



70 TAPLEY STREET
SPRINGFIELD, MA 01104
413.787.6020
www.springfield-ma.gov

MEETING AGENDA

DATE: Thursday, May 7, 2026

TIME: 5:30 PM

PLACE: Congressman Richard E. Neal Municipal Operations Center
Video Conference Room
70 Tapley Street, Springfield, MA 01104

I. ROLL CALL & PROCEDURES

II. ACCEPTANCE OF MINUTES

- 1) *SPRINGFIELD HISTORICAL COMMISSION MEETING HELD ON APRIL 16, 2026*

III. PUBLIC HEARINGS (Continued)

- 1) *185 BELMONT AVENUE:* Windows
- 2) *E S LONGHILL STREET (07900-0129):* Single-Family Dwelling

IV. PUBLIC HEARINGS (New)

- 1) *65 BELLEVUE AVENUE:* Solar Powered Panels
- 2) *17 GEORGE STREET:* Solar Powered Panels
- 3) *60 BYERS STREET:* Eliminate Two Windows and Replace Multiple Doors
- 4) *207 PINE STREET:* Front Porch, Rear Porch, Exterior Renovations & Repairs
- 5) *WS WESTMINSTER STREET (12201-0032):* Single-Family Dwelling

V. ADVISOR REVIEWS (Non-Hearings)

- 1) *95 CMR § 71.00 – 24 BOWLES PARK (SAMUEL BOWLES ELEMENTARY SCHOOL), BOWLES PARK, AND EAST STREET:* Sidewalk and Pedestrian Improvements
- 2) *SECTION 106 – 18-22 WILLOW STREET, WILLOW STREET, STOCKBRIDGE STREET, CROSS STREET:* Removal of Existing Parking Lot, Sidewalks, Pedestrian Path, and Site Improvements in Preparation for Parking Garage
- 3) *SECTION 106 – NORTH END BRIDGE:* Replacement of the North End Bridge

VI. OTHER MATTERS PROPERLY BEFORE THE COMMISSION

- 1) *21 OSBORNE TERRACE & 52 BAY STREET – DEMOLITION PERMIT APPLICATION FILED*
- 2) *ADMINISTRATIVE UPDATES*
- 3) *CORRESPONDENCE TO COMMISSION*
- 4) *MAY 21, 2026 QUORUM CALL*
- 5) *PUBLIC SPEAK-OUT SESSION*

SPRINGFIELD HISTORICAL COMMISSION

THURSDAY, MAY 7, 2026 | HEARING OVERVIEWS

CONTINUED HEARINGS

185 BELMONT AVENUE (HARDSHIP)

- ***REASON FOR CONTINUANCE:*** The hearing was continued for the purpose of allowing the Petitioner to update and supplement their application.
- ***LOCAL HISTORIC DISTRICT:*** Forest Park Heights
- ***APPLICATION SUBMISSION DATE:*** Monday, March 30, 2026
- ***APPLICATION EXPIRATION DATE:*** Friday, May 29, 2026
- ***APPLICATION OVERVIEW:*** The Petitioner has submitted an Application for Certificate of Hardship for the purpose of installing 36 black and white, double-hung, double-pane wooden windows (with five or six of them being vinyl windows) with TrustGard (Model #: NVP-K-14-00835-00001) painted black vinyl, double-hung, double-pane windows.
- ***APPROVED WINDOW STATUS:*** The Commission has not approved a TrustGard-version of the window in the past, as it is not listed on the approved window list.
- ***STAFF COMMENTS:***
 - Staff was unable to obtain information from the submitted materials as to whether the proposed window is a slimline-esque model, nor able to confirm how low the window sits on the window sill.
- ***LETTER OF AUTHORIZATION:*** n/a
- ***SUBMITTED WRITTEN COMMENT:*** n/a
- ***DRAFT HARDSHIP JUSTIFICATION:*** The Commission should ascertain the hardship justification.
- ***DRAFT APPROVAL MOTION:***

To approve the installation of the proposed installation of 36 black and white, double-hung, double-pane wooden windows (with five or six of them being vinyl windows) with TrustGard (Model #: NVP-K-14-00835-00001) painted black vinyl, double-hung, double-pane windows.

E S LONGHILL STREET (07900-0129) (APPROPRIATENESS)

- ***REASON FOR CONTINUANCE:*** The hearing was continued for the purpose of allowing the Petitioner to stake the layout of the proposed building on the property to allow the Commission to visit the site and observe the scale of the proposed building in relation to the neighboring buildings.
- ***LOCAL HISTORIC DISTRICT:*** Forest Park Heights
- ***APPLICATION SUBMISSION DATE:*** Thursday, March 26, 2026
- ***APPLICATION EXPIRATION DATE:*** Monday, May 25, 2026

- **APPLICATION OVERVIEW:** The Petitioner has submitted an Application for Certificate of Appropriateness for the purpose of constructing a Single-Family Dwelling. The Petitioner is specifically proposing the following:
 - The Petitioner confirmed that the window will be the Jeld-Wen black vinyl, double-hung, double-pane windows containing in-glass six-over-one grids with the trim style presented in the March 5, 2026 email;
 - The Petitioner is proposing a MMI Door 72-inch x 80-inch Fiberglas Black Painted Prehung Residential Insulating Core Double Door as presented in the March 5, 2026 email;
 - Stucco siding, light cream in color;
 - Owens Corning Duration Line Architectural Asphalt Shingles, in color.
- **APPROVED WINDOW STATUS:** The Jeld-Wen window has been approved multiples times and is on the approved window list.
- **STAFF COMMENTS:**
 - The previous application was originally denied because the Petitioner was unable to attend the hearing and there were reservations about the application being automatically approved should the Commission not field a quorum at their Thursday, April 2 meeting. The Petitioner has reapplied having submitted the same designs that were submitted for the March 19 continued hearing. Those materials included:
 - A massing plan depicting the proposed building in relation to the neighboring residences;
 - A site plan drawn to scale depicting the lot layout and the proposed building in relation to the neighboring properties;
 - Updated renderings;
 - Updated renderings of the proposed building in relation to the building at 325 Longhill Street;
- **LETTER OF AUTHORIZATION:** n/a
- **SUBMITTED WRITTEN COMMENT:** n/a

NEW HEARINGS

65 BELLEVUE AVENUE (APPROPRIATENESS)

- **LOCAL HISTORIC DISTRICT:** Forest Park Heights
- **APPLICATION SUBMISSION DATE:** Tuesday, April 21, 2026
- **APPLICATION EXPIRATION DATE:** Saturday, June 20, 2026
- **APPLICATION OVERVIEW:** The Petitioner has submitted an Application for Certificate of Appropriateness for the purpose of installing 12 solar powered panels onto the south side of the accessory building with the DC Disconnect being placed on the west side of the accessory building, shielded from Bellevue Avenue by a fence and shielded from Laverne Street by vegetation, and the remaining utility equipment being placed on the eastern side of the primary building, also shielded from Laverne Street by the fence. The conduit will be installed so it runs through the garage.
 - The panels will be minimally visible from Bellevue Avenue.

- **STAFF COMMENTS:** None
- **LETTER OF AUTHORIZATION:** Yes (Sunrun on behalf of Fatima Bonilla)
- **SUBMITTED WRITTEN COMMENT:** None
- **DRAFT APPROVAL MOTION:**

To approve the installation of 12 solar powered panels onto the south side of the accessory building with the DC Disconnect being placed on the west side of the accessory building, shielded from Bellevue Avenue by a fence and shielded from Laverne Street by vegetation, and the remaining utility equipment being placed on the eastern side of the primary building, also shielded from Laverne Street by the fence; the conduit will be installed so it runs through the garage and shall be painted to match the exterior surface it is affixed to, as presented in the application and during this evening's hearing.

17 GEORGE STREET (APPROPRIATENESS)

- **LOCAL HISTORIC DISTRICT:** Forest Park Heights
- **APPLICATION SUBMISSION DATE:** Thursday, April 9, 2026
- **APPLICATION EXPIRATION DATE:** Monday, June 8, 2026
- **APPLICATION OVERVIEW:** The Petitioner has submitted an Application for Certificate of Appropriateness for the purpose of installing 16 solar powered panels onto the east rear side of the primary building with the utility equipment to be installed at the rear east side of the primary building. The conduit will run through the attic, presumably traversing the east rear side of the building.
 - The panels are likely to be visible from Dorne Street – at the rear of the property.
- **STAFF COMMENTS:** None
- **LETTER OF AUTHORIZATION:** n/a
- **SUBMITTED WRITTEN COMMENT:** None
- **DRAFT APPROVAL MOTION:**

To approve the installation of 16 solar powered panels onto the east rear side of the primary building with the utility equipment to be installed at the rear east side of the primary building; the conduit will run through the attic, presumably traversing the east rear side of the building and shall be painted to match the exterior surface it is affixed to, as presented in the application and during this evening's hearing.

60 BYERS STREET (APPROPRIATENESS)

- **LOCAL HISTORIC DISTRICT:** Thurston Munson House
- **APPLICATION SUBMISSION DATE:** Wednesday, April 15, 2026
- **APPLICATION EXPIRATION DATE:** Sunday, June 14, 2026
- **APPLICATION OVERVIEW:** The Petitioner has submitted an Application for Certificate of Appropriateness for the purpose of removing two (2) second floor windows, as visible from Byers Street, as well as replacing multiple doors:
 - The Petitioner has advised that the two rectangular windows on the front façade were not part of the original structure and added for two internal bathrooms that

have since been removed. The Petitioner is proposed to seal the openings and stucco the exterior.

- The Petitioner is proposing to replace three Art Deco-styled doors with MP Doors fiberglass/metal Art Deco-styled doors, black in color.
- **STAFF COMMENTS:** none
- **LETTER OF AUTHORIZATION:** n/a
- **SUBMITTED WRITTEN COMMENT:** none
- **DRAFT APPROVAL MOTION:**

To approve the removal, and sealing with stucco exterior, of two second floor windows, as well as the replacing three Art Deco-styled doors with MP Doors fiberglass/metal Art Deco-styled doors, black in color, as presented in the application and during this evening's hearing.

207 PINE STREET (APPROPRIATENESS)

- **LOCAL HISTORIC DISTRICT:** Maple Hill
- **APPLICATION SUBMISSION DATE:** Thursday, April 9, 2026
- **APPLICATION EXPIRATION DATE:** Monday, June 8, 2026
- **APPLICATION OVERVIEW:** The Petitioner has submitted an Application for Certificate of Appropriateness for the purpose of making various front porch renovations:
 - Replacing front porch pressure-treated wood balusters and front steps with new black balusters with white posts;
 - Replacing the three-story pressure-treated wood porch with the new three-story pressure-treated wood porch.
- **STAFF COMMENTS:**
 - Staff originally flagged issues relating to the property last year, noting that work to the to the first-floor front door; second-floor front-door; and features relating to the first-floor porch, railing, and spindles appear to have been completed without approval from the Commission.
- **LETTER OF AUTHORIZATION:** n/a
- **SUBMITTED WRITTEN COMMENT:** n/a
- **DRAFT APPROVAL MOTION:**

To approve the proposed renovation work involving the replacement of the front porch pressure-treated wood balusters and front steps with new black balusters with white posts, and the replacement of the three-story pressure-treated wood porch with a new three-story pressure-treated wood porch, as presented in the application and during this evening's hearing.

WS WESTMINSTER STREET (APPROPRIATENESS)

- **LOCAL HISTORIC DISTRICT:** McKnight
- **APPLICATION SUBMISSION DATE:** Monday, April 13, 2026
- **APPLICATION EXPIRATION DATE:** Friday, April 12, 2026

- **APPLICATION OVERVIEW:** The Petitioner has submitted an Application for Certificate of Appropriateness for the purpose of constructing a Single-Family Dwelling. The Petitioner is specifically proposing the following:
 - Thirteen (13) MaxView II double-hung, double-pane, black vinyl windows, with interior six-over-six grids;
 - Two Home Depot black colonial steel doors with side lights;
 - James Hardie Board siding, aged pewter in color; and
 - Landmark Pro Certainteed Architectural Shingles, pewterwood in color;
 - **APPROVED WINDOW STATUS:** The Commission has not approved the MaxView II window in the past, as it is not listed on the approved window list.
 - **STAFF COMMENTS:**
 - The Petitioner originally proposed black as the asphalt shingle color; however, the McKnight Historic Guidelines state that black is not an option, and therefore, the Petitioner is now proposing pewterwood, meaning that the house will be pewter-colored siding with pewter-colored roofing.
 - **LETTER OF AUTHORIZATION:** n/a
 - **SUBMITTED WRITTEN COMMENT:** n/a
-

ADVISORY REVIEWS

24 BOWLES PARK (SAMUEL BOWLES ELEMENTARY SCHOOL), BOWLES PARK, AND EAST STREET (95 CMR 71.00)

- **HISTORIC DISTRICT:** n/a
 - **APPLICATION SUBMISSION DATE:** Wednesday, April 15, 2026
 - **APPLICATION EXPIRATION DATE:** Friday, May 15, 2026
 - **APPLICATION OVERVIEW:** Members from the Toole Design Group, LLC are requesting that the Commission review pedestrian safety improvements on Bowles Park, which are to be funded through the 2027 Transportation Improvement Program for the Pioneer Valley Planning Commission, and in accordance with the State’s Environmental Review Checklist. The project consists of reconstructing existing sidewalks and constructing of new sidewalks, installing of ADA curb ramps, incorporating new pedestrian crossing crossings along the school frontage of Bowles Park between Windemere Street and Osborne Terrace, as well as making key geometric and safety upgrades to the intersection of Bowles Park and East Street.
 - **LETTER OF AUTHORIZATION:** n/a
 - **SUBMITTED WRITTEN COMMENT:** n/a
 - **DRAFT APPROVAL MOTION:**

To find that the proposed work will not be detrimental to the area/building and that the project will have no adverse impact on the historical character of the area/buildings.
-

18-22 WILLOW STREET, WILLOW STREET, STOCKBRIDGE STREET, CROSS STREET
(SECTION 106)

- **LOCAL HISTORIC DISTRICT:** None
 - **APPLICATION SUBMISSION DATE:** Wednesday, April 17, 2026
 - **APPLICATION EXPIRATION DATE:** Friday, May 17, 2026
 - **APPLICATION OVERVIEW:** Members from VHB are requesting that the Commission review the removal of an existing paved surface parking lot, sidewalks, a pedestrian path, and site improvements in preparation for the future construction of a five-story concrete parking garage.
 - **LETTER OF AUTHORIZATION:** n/a
 - **SUBMITTED WRITTEN COMMENT:** n/a
 - **DRAFT APPROVAL MOTION:**

To find that the proposed work will not be detrimental to the area/building and that the project will have no adverse impact on the historical character of the area/buildings.
-

OTHER MATTERS BEFORE THE COMMISSION

NONE

ADMINISTRATIVE UPDATES

- **FOR YOUR INFORMATION (FYI)**
 - The landowners at 52 Bay Street have submitted a Demolition Permit Application with the Building Department on or about April 7, 2026. The Commission originally continued the Demolition Delay Exemption application at their December 18, 2025 meeting to allow the petitioner to supplement the application with more information relating to the structural integrity of the building. However, the Petitioner subsequently withdrew the application. Staff is unaware if the landowners are going to submit another Demolition Delay Exemption application or whether they will let the nine (9) month period expire.
 - **QUESTIONS TO THE COMMISSION**
 - **NONE**
 - **RECENTLY APPROVED CERTIFICATES OF NON-APPLICABILITY**
 - **220 STATE STREET** → Installation of Polycarbonate Sheeting Panels Behind Decorative Black Metal Grates
 - **47 GARFIELD STREET** → Exterior Restoration and Painting
 - **415 STATE STREET (SPRINGFIELD HIGH SCHOOL OF COMMERCE)** → Replace Existing Roof
 - **49 SUMNER AVENUE (SUMNER AVENUE ELEMENTARY SCHOOL)** → Replace Existing Roof
 - **LETTERS OF SUPPORT ISSUED**
-

- *NONE*
- **NEW VIOLATIONS ISSUED**
 - *NONE*
- **VIOLATION RESOLUTION IN PROGRESS**
 - **174 PINEYWOODS AVENUE** → Installation of Compressor Unit (*Contacted by Landowner*)
 - **207 PINE STREET** → Deviations from Issued Certificate (*Expected on Future Agenda*)
- **UNRESOLVED VIOLATIONS**
 - **21 MOUNTAIN VIEW STREET** → Did not resolve replacement windows that were part of the original 2023 application
 - **158 SHERMAN STREET** → Replacement of Side and Front Porch Railings
 - **275 PINE STREET** → Replacement of Rear Porch Railings
- **RESOLVED VIOLATIONS**
 - *NONE*
- **STOP-WORK ORDERS ISSUED**
 - *NONE*
- **INQUIRIES ISSUED**
 - *NONE*

DRAFT



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION CHECKLIST

PROPERTY ADDRESS: 185 Belmont Avenue

Incomplete application will **NOT** be accepted and scheduled. A complete and valid application **MUST** contain the following information:

- 1) The type of Certificate the petitioner is seeking must be indicated (see Page 1);
- 2) The property owner's signature must appear on the application;
- 3) Relevant and applicable PHOTOGRAPHS, MATERIALS and PLANS specified on the Application

CHECKLIST



APPLICATION

Please complete the attached application and **PROVIDE ADDITIONAL PAGES IF NEEDED**.



PICTURES OF EXISTING CONDITIONS

Please provide color photographs of the project area's current condition. For example, should the project pertain to replacing windows, provide a photograph of what the current windows looks like.



RENDERING OF PROPOSED PROJECT UPON COMPLETION

Please provide a rendering of what the project will look like upon completion. For some products, such as siding, windows, doors, solar powered panels, HVAC systems (including heat pumps), this may include product details from the manufacturer and/or store or a brochure. For paint color-related projects, a sample of the color may suffice. For new construction, renderings from an architect are required.



PRODUCT SPECIFICATIONS

Please provide specifications for any products (e.g. doors, windows, siding, solar powered panels, HVAC systems, etc.) to be utilized during the project. Project details from the manufacturer and/or store, or a brochure, will suffice. *If available, please bring physical samples of the product to the meeting date.*



LETTER OF AUTHORIZATION

If the landowner is unable to attend the hearing, correspondence shall be submitted that authorizes a representative to speak on their behalf about the application.

For more information, visit the City's website: www.springfield-ma.gov/planning/historic-comm or call the Office: (413) 787-6020.

OFFICE USE ONLY	
LOCAL HISTORIC DISTRICT: <i>Forest Park Height</i>	DECISION:
DATE RECEIVED: <i>March 30, 2026</i>	DECISION DATE:
HEARING DATE: <i>April 16, 2026</i>	DATE DISCUSSED (NO HEARING):
DATE NOTICE POSTED: <i>April 2, 2026</i>	WAIVED BY COMMISSION:
DATE NOTICE MAILED: <i>April 2, 2026</i>	WAIVED BY ABUTTERS:



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-4020 (office)
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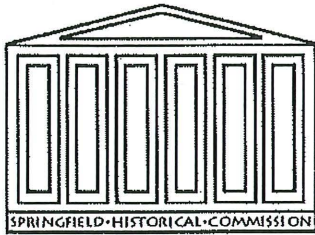
APPLICATION TYPE

PROPERTY ADDRESS: 185 Belmont Avenue

APPLICATION TYPE (Select Application Type)

- CERTIFICATE OF APPROPRIATENESS**
Select this type of application for those changes that are in conformance with the guidelines and/or acceptable for the particular Local Historic District.
- CERTIFICATE OF HARDSHIP**
Select this type of application for those changes that are not appropriate with the underlying District guidelines, but which are necessary due to economic, physical, social, or other special conditions that apply to the individual property, but do not apply to the overall underlying District.
- CERTIFICATE OF NON-APPLICABILITY**
Select this type of application for those changes that affect features not controlled by the Commission (e.g. work that involves no change in materials, design or dimensions).
- ENVIRONMENTAL REVIEW (I.E. REVIEW OF A STRUCTURE IN A NATIONAL REGISTER DISTRICT/INDIVIDUAL BUILDING)**
Select this type of application for those changes that affect a structure in a National Register District, or a structure that is listed as a National Register Individual Building, that utilizes public funding (local, State, or federal). If the structure is both within a National Register District/Individual Building and a Local Historic District, select one of the application types above (Appropriateness, Hardship, Non-Applicability). If the structure contains a Preservation Restriction and is located within a National Register District/Individual Building, select the Preservation Agreement application type below.
- PRESERVATION AGREEMENT**
Selection this type of application if the structure contains a Preservation Restriction.
- PRESERVATION OF HISTORICALLY SIGNIFICANT BUILDINGS (DEMO DELAY)**
Select this type of application if the structure is more than 75 years old and are requesting that the nine (9) month demo delay restriction be lifted in order to commence demolition immediately.
- MUNICIPAL PROTOCOL**
Select this type of application if the structure relates to a municipally (City of Springfield) owned property, and the project will be facilitated by the municipality (City of Springfield).
- SECTION 106 REVIEW**
Select this type of application if the project is being submitted in accordance with Section 106.

Recourse: If a petitioner disagrees with a ruling by the Commission, he or she may, within twenty (20) days after filing the notice of such ruling with the City Clerk, appeal to the Superior Court or Housing Court, if applicable. On the other hand, the Historical Commission may, through Superior Court (or Housing Court), seek an injunction against any violation with a historic district's guidelines/standards. The Court may order the removal of any such violation, or the restoration of any building or feature altered or demolished in violation of a historic district's standards. Persons found guilty of any violations may be fined not less than ten dollars (\$10.00) or no more than five hundred dollars (\$500.00).



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-4020 (office)
(413) 787-6524 (fax)

APPLICATION FOR CERTIFICATE

PROPERTY ADDRESS: 185 Belmont Avenue		CHECK BOX IF THE PETITIONER REQUIRES AN INTERPRETER <input type="checkbox"/>
PROPERTY OWNER: Eileen Dunn - Cornelius Phillips		
OWNER ADDRESS: <input checked="" type="checkbox"/> Check box if same as property address		
OWNER PHONE NUMBER: 413-	REPRESENTATIVE/CONTRACTOR NAME: Julien Alpert	
OWNER EMAIL ADDRESS: cwp@dunnandphillips.com	REPRESENTATIVE/CONTRACTOR PHONE NUMBER: 413-539-3453	
PROPERTY CODE: 01235-0343	REPRESENTATIVE/CONTRACTOR EMAIL ADDRESS: julienalbert46@me.com	
PROJECT DESCRIPTION (USE SEPARATE PAGE IF NEEDED): Window replacement with vinyl clad windows.	PROPOSED MODIFICATIONS (Please check all that apply) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Windows (see Page 3) <input type="checkbox"/> Doors (see Page 4) <input type="checkbox"/> Siding (see Page 5) <input type="checkbox"/> Roofing (see Page 6) <input type="checkbox"/> Solar (see Page 6) <input type="checkbox"/> Signs (see Page 7) <input type="checkbox"/> Heat Pumps (see page 7) <input type="checkbox"/> Paint (see Page 8) <input type="checkbox"/> Renovations (e.g. Porches) (see Page 8) <input type="checkbox"/> New Construction (all of the above) <input type="checkbox"/> Other Projects (see Page 9): 	
JUSTIFICATION FOR CERTIFICATE OF HARDSHIP (IF APPLICABLE) (USE SEPARATE PAGE IF NEEDED): It would be a financial hardship to replace all the windows with the same type of windows we are seeking to replace.		

Check box if property owner will be in attendance at the hearing. If not, correspondence from the property owner authorizing a representative to present the application is required.

PROPERTY OWNER'S SIGNATURE

3/18/26

DATE

WINDOWS

Check box indicating that you are submitting an order sheet with renderings/brochure of the proposed windows.

Check box indicating that you are submitting photographs of the existing windows.

Check box indicating that you are aware of the City's Window Guidelines ([click here](#)).

Will the Dimensions of the Windows Change: Yes (Please Provide Details Below Under Additional Information) No

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE CURRENT WINDOWS:

The existing windows may be 50 years or older and some are broken and not weathertight

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE WINDOWS:

See above.

NUMBER OF WINDOWS TO BE REPLACED/ADDED:	36
NEW WINDOW MANUFACTURER:	Simonton
MODEL NUMBER(S):	100-1 See attached HD proposal dated 3/11/26

	EXISTING	PROPOSED
MATERIAL: (e.g. wood, vinyl, aluminum, etc.):	wood, 5 or 6 vinyl.	Vinyl
EXTERNAL COLOR(S) (e.g. black, white, etc.):	black and some white	Black
GRID PLACEMENT (Interior or Exterior):	None	None
GRID PATTERN: (e.g. two-over-two; six-over-one, etc.):	None	None
WINDOW STYLE(S) (e.g. double-hung, etc.):	double hung	Double Hung
GLASS TYPE(S) (e.g. single-pane, double-pane, etc.):	double pane	Double Pane

ADDITIONAL INFORMATION:

We want to maintain the original appearance of the home. We believe the installation of vinyl windows with a white exterior will not change the home's appearance because there are aluminum triple track windows covering the majority of the windows.



31 Jackson St
Holyoke, Ma 01040

Lumber Dogs LLC

413-388-1818

Customer QUOTATION
QUOTE EXPIRES
Quote Not Certified

BILL TO:

SHIP TO:

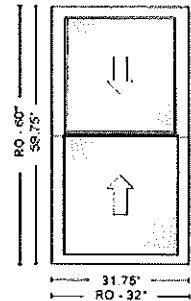
Phone:

Fax:

QUOTE #	STATUS	CUSTOMER PO#	DATE CREATED
372957	None		4/28/2026
QUOTED BY	TERMS	SHIP VIA	PROJECT NAME
jfernandes		Delivered on NVP Truck	Belmont Ave 4-28

LINE #	DESCRIPTION	QUANTITY	U/M	SHIP VIA	NET PRICE	EXTENSION
100-1 25-1100		1		Delivered on NVP Truck	\$467.66	\$467.66

Overall Unit Size: Lumber Dogs LLC
31.75" x 59.75"
Rough: TrustGard, Double Hung, Double Hung, 31.75 x 59.75, Frame Width = 31.75, Frame Height = 59.75, Sash Split = Even
Replacement, Thermal Sash, RO Deduction = -1/4" x -1/4"
Overall RO Color = White, Painted Exterior Only, Black
32" x 60" Lock Options = Double Lock, Standard, White
Sash Reinforcement = Lock and Keeper Rail Only, Composite
Tag/Room: Full Flex Screen, Fiberglass
None Assigned Unit 1: Glazing Type = Low E, Low E Softcoat, Gas Fill = Argon
Unit 1 Lower Glass, 1 Upper Glass: Glass Strength = Single Strength
Clear Opening Width = 26.274, Clear Opening Height = 23.375, Clear Opening Area = 4.264964
Unit 1: Unit CPD Number = NVP-K-14-00835-00001, Unit U-Factor = 0.28, Unit SHGC = 0.36, Unit VT = 0.54, Unit CR = 60, Air Infiltration Rating = < 0.3, Meets Energy Star = No
Unit 1 Lower Glass, 1 Upper Glass: CPD Number = NVP-K-14-00835-00001, U-Factor = 0.28, CR = 60, SHGC = 0.36, VT = 0.54, AL = -1
Head Expander = Yes



H. FRADET
0527.82
For 36 window
save of \$2,165.76

Lumber Dogs LLC's products are "made-to-order." To achieve Lumber Dogs LLC's short lead times, we begin production immediately upon your order entry. Therefore, orders cannot be changed and units cannot be returned for credit. Please check this quote thoroughly and promptly for errors so Lumber Dogs LLC can ensure your order was entered as intended. Lumber Dogs LLC will ask you to sign a confirmation on some units before we proceed with production.

SUB-TOTAL:	\$467.66
LABOR:	\$0.00
FREIGHT:	\$0.00
SALES TAX:	\$29.23
TOTAL:	\$496.89

We appreciate the opportunity to provide you with this quote!

Customer Signature: _____



The Home Depot Special Order Quote

Customer Agreement #: H2610-349795

Printed Date: 3/27/2026

Customer: CORNELIUS PHILLIPS

Address: 185 BELMONT AVENUE
SPRINGFIELD, MA 01108

Phone: 413-531-2470

Email: CWP@DUNNANDPHILLIPS.COM

Store: CHICOPEE - 2610 - 2610

Address: 655 MEMORIAL DR
CHICOPEE, MA 01020

Associate: KENNY

Phone: 1413-593-5400

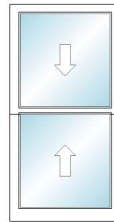
Pre-Savings Total: \$35,879.38

Total Savings: (\$5,383.98)

Pre-Tax Price: \$30,495.40

Price Valid Through:
4/1/2026

All prices are subject to change. Customer is responsible for verifying product selections. The Home Depot will not accept returns for the below products.



RO Size = 31 3/4" x 61 3/4"
Unit Size = 31 3/8" x 61 1/2"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
100-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 31.75 x 61.75, 31.375 x 61.5, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$1,130.64	\$960.98	5	(\$848.30)	\$4,804.90
100-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 31.375 x 61.5 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$72.36	\$61.50	5	(\$54.30)	\$307.50
Unit 100 Total:			\$1,203.00	\$1,022.48		(\$902.60)	\$5,112.40

Begin Line 100 Descriptions

---- Line 100-1 ----

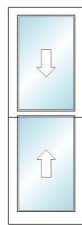
400 Series Woodwright Double-Hung-WWI
Overall Rough Opening = 31 3/4" x 61 3/4"
Overall Unit = 31 3/8" x 61 1/2"
Installation Zip Code = 01020
U.S. ENERGY STAR® Climate Zone = Northern
Search by Unit Code = No
Sash Width = 31 3/8
Sash Height = 61 1/2
Unit Sill Angle = 8 Degrees - Moderate
Venting / Handing = AA
Exterior Frame Color = Black
Exterior Sash / Panel Color = Black
Interior Frame Wood Species = Pine
Interior Frame Finish Color = White - Painted
Interior Sash / Panel Wood Species = Pine
Interior Sash / Panel Finish Color = White - Painted
Jamb Liner Color = Gray/White

Glass Construction Type = Dual Pane
Glass Option = Low-E4
Glass Strength = Standard
Glass Tint = No Tint
Specialty Glass = No Specialty Glass
High Altitude = No
Gas Fill = Argon
Glass / Grille Spacer Color = Stainless None
DP/PG Upgrade = No
Sash Lift Type = None
Lock Hardware Style = Traditional
Number of Sash Locks = 2
Lock Hardware Color/Finish = White
Window Opening Control Device = No
Insect Screen Type = Full Screen

Insect Screen Material = Aluminum
Insect Screen Color = Black
Exterior Stop Cover = Yes
Installation Material Options = No
Re-Order Item = No
Room Location =
Unit U-Factor = 0.3
Unit Solar Heat Gain Coefficient (SHGC) = 0.31
Unit CPD Number = AND-N-74-01055-00001
U.S. ENERGY STAR® Certified = No
SKU = 1008729627
Vendor Name = S/O ANDERSEN LOGISTICS
Vendor Number = 60509030
Customer Service = (888) 888-7020
Catalog Version Date = 02/10/2026
SKU Description = S/O 400S WOODWRIGHT

---- Line 100-2 Description is the same as line 100-1 ----

End Line 100 Descriptions



RO Size = 21 3/4" x 61 3/4"
Unit Size = 21 3/8" x 61 1/2"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
200-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 21.75 x 61.75, 21.375 x 61.5, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$973.95	\$827.80	2	(\$292.30)	\$1,655.60
200-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 21.375 x 61.5 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$62.76	\$53.34	2	(\$18.84)	\$106.68
Unit 200 Total:			\$1,036.71	\$881.14		(\$311.14)	\$1,762.28

Begin Line 200 Descriptions

---- Line 200-1 ----

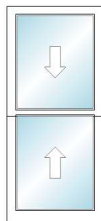
400 Series Woodwright Double-Hung-WWI
Overall Rough Opening = 21 3/4" x 61 3/4"
Overall Unit = 21 3/8" x 61 1/2"
Installation Zip Code = 01020
U.S. ENERGY STAR® Climate Zone = Northern
Search by Unit Code = No
Sash Width = 21 3/8
Sash Height = 61 1/2
Unit Sill Angle = 8 Degrees - Moderate
Venting / Handing = AA
Exterior Frame Color = Black
Exterior Sash / Panel Color = Black
Interior Frame Wood Species = Pine
Interior Frame Finish Color = White - Painted
Interior Sash / Panel Wood Species = Pine
Interior Sash / Panel Finish Color = White - Painted
Jamb Liner Color = Gray/White

Glass Construction Type = Dual Pane
Glass Option = Low-E4
Glass Strength = Standard
Glass Tint = No Tint
Specialty Glass = No Specialty Glass
High Altitude = No
Gas Fill = Argon
Glass / Grille Spacer Color = Stainless None
DP/PG Upgrade = No
Sash Lift Type = None
Lock Hardware Style = Traditional
Number of Sash Locks = 1
Lock Hardware Color/Finish = White
Window Opening Control Device = No
Insect Screen Type = Full Screen

Insect Screen Material = Aluminum
Insect Screen Color = Black
Exterior Stop Cover = Yes
Installation Material Options = No
Re-Order Item = No
Room Location =
Unit U-Factor = 0.3
Unit Solar Heat Gain Coefficient (SHGC) = 0.31
Unit CPD Number = AND-N-74-01055-00001
U.S. ENERGY STAR® Certified = No
SKU = 1008729627
Vendor Name = S/O ANDERSEN LOGISTICS
Vendor Number = 60509030
Customer Service = (888) 888-7020
Catalog Version Date = 02/10/2026
SKU Description = S/O 400S WOODWRIGHT

---- Line 200-2 Description is the same as line 200-1 ----

End Line 200 Descriptions



RO Size = 27 3/4" x 61 3/4"
Unit Size = 27 3/8" x 61 1/2"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
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300-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 27.75 x 61.75, 27.375 x 61.5, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted	\$1,130.64	\$960.98	1	(\$169.66)	\$960.98
300-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 27.375 x 61.5 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026	\$72.36	\$61.50	1	(\$10.86)	\$61.50
Unit 300 Total:		\$1,203.00	\$1,022.48		(\$180.52)	\$1,022.48

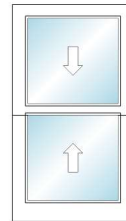
Begin Line 300 Descriptions

---- Line 300-1 ----

<p>400 Series Woodwright Double-Hung-WWI Overall Rough Opening = 27 3/4" x 61 3/4" Overall Unit = 27 3/8" x 61 1/2" Installation Zip Code = 01020 U.S. ENERGY STAR® Climate Zone = Northern Search by Unit Code = No Sash Width = 27 3/8 Sash Height = 61 1/2 Unit Sill Angle = 8 Degrees - Moderate Venting / Handing = AA Exterior Frame Color = Black Exterior Sash / Panel Color = Black Interior Frame Wood Species = Pine Interior Frame Finish Color = White - Painted Interior Sash / Panel Wood Species = Pine Interior Sash / Panel Finish Color = White - Painted Jamb Liner Color = Gray/White</p>	<p>Glass Construction Type = Dual Pane Glass Option = Low-E4 Glass Strength = Standard Glass Tint = No Tint Specialty Glass = No Specialty Glass High Altitude = No Gas Fill = Argon Glass / Grille Spacer Color = Stainless None DP/PG Upgrade = No Sash Lift Type = None Lock Hardware Style = Traditional Number of Sash Locks = 2 Lock Hardware Color/Finish = White Window Opening Control Device = No Insect Screen Type = Full Screen</p>	<p>Insect Screen Material = Aluminum Insect Screen Color = Black Exterior Stop Cover = Yes Installation Material Options = No Re-Order Item = No Room Location = Unit U-Factor = 0.3 Unit Solar Heat Gain Coefficient (SHGC) = 0.31 Unit CPD Number = AND-N-74-01055-00001 U.S. ENERGY STAR® Certified = No SKU = 1008729627 Vendor Name = S/O ANDERSEN LOGISTICS Vendor Number = 60509030 Customer Service = (888) 888-7020 Catalog Version Date = 02/10/2026 SKU Description = S/O 400S WOODWRIGHT</p>
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---- Line 300-2 Description is the same as line 300-1 ----

End Line 300 Descriptions



RO Size = 23 3/4" x 42"
Unit Size = 23 3/8" x 41 3/4"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
400-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 23.75 x 42, 23.375 x 41.75, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$834.39	\$709.19	2	(\$250.40)	\$1,418.38
400-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 23.375 x 41.75 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$53.16	\$45.18	2	(\$15.96)	\$90.36
Unit 400 Total:			\$887.55	\$754.37		(\$266.36)	\$1,508.74

Begin Line 400 Descriptions

---- Line 400-1 ----

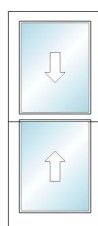
400 Series Woodwright Double-Hung-WWI
 Overall Rough Opening = 23 3/4" x 42"
 Overall Unit = 23 3/8" x 41 3/4"
 Installation Zip Code = 01020
 U.S. ENERGY STAR® Climate Zone = Northern
 Search by Unit Code = No
 Sash Width = 23 3/8
 Sash Height = 41 3/4
 Unit Sill Angle = 8 Degrees - Moderate
 Venting / Handing = AA
 Exterior Frame Color = Black
 Exterior Sash / Panel Color = Black
 Interior Frame Wood Species = Pine
 Interior Frame Finish Color = White - Painted
 Interior Sash / Panel Wood Species = Pine
 Interior Sash / Panel Finish Color = White - Painted
 Jamb Liner Color = Gray/White

Glass Construction Type = Dual Pane
 Glass Option = Low-E4
 Glass Strength = Standard
 Glass Tint = No Tint
 Specialty Glass = No Specialty Glass
 High Altitude = No
 Gas Fill = Argon
 Glass / Grille Spacer Color = Stainless
 None
 DP/PG Upgrade = No
 Sash Lift Type = None
 Lock Hardware Style = Traditional
 Number of Sash Locks = 1
 Lock Hardware Color/Finish = White
 Window Opening Control Device = No
 Insect Screen Type = Full Screen

Insect Screen Material = Aluminum
 Insect Screen Color = Black
 Exterior Stop Cover = Yes
 Installation Material Options = No
 Re-Order Item = No
 Room Location =
 Unit U-Factor = 0.3
 Unit Solar Heat Gain Coefficient (SHGC) = 0.31
 Unit CPD Number = AND-N-74-01055-00001
 U.S. ENERGY STAR® Certified = No
 SKU = 1008729627
 Vendor Name = S/O ANDERSEN LOGISTICS
 Vendor Number = 60509030
 Customer Service = (888) 888-7020
 Catalog Version Date = 02/10/2026
 SKU Description = S/O 400S WOODWRIGHT

---- Line 400-2 Description is the same as line 400-1 ----

End Line 400 Descriptions



RO Size = 21 3/4" x 49 3/4"
 Unit Size = 21 3/8" x 49 1/2"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
500-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 21.75 x 49.75, 21.375 x 49.5, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$834.39	\$709.19	2	(\$250.40)	\$1,418.38
500-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 21.375 x 49.5 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$53.16	\$45.18	2	(\$15.96)	\$90.36
Unit 500 Total:			\$887.55	\$754.37		(\$266.36)	\$1,508.74

Begin Line 500 Descriptions

---- Line 500-1 ----

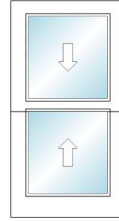
400 Series Woodwright Double-Hung-WWI
 Overall Rough Opening = 21 3/4" x 49 3/4"
 Overall Unit = 21 3/8" x 49 1/2"
 Installation Zip Code = 01020
 U.S. ENERGY STAR® Climate Zone = Northern
 Search by Unit Code = No
 Sash Width = 21 3/8
 Sash Height = 49 1/2
 Unit Sill Angle = 8 Degrees - Moderate
 Venting / Handing = AA
 Exterior Frame Color = Black
 Exterior Sash / Panel Color = Black
 Interior Frame Wood Species = Pine
 Interior Frame Finish Color = White - Painted
 Interior Sash / Panel Wood Species = Pine
 Interior Sash / Panel Finish Color = White - Painted

Glass Construction Type = Dual Pane
 Glass Option = Low-E4
 Glass Strength = Standard
 Glass Tint = No Tint
 Specialty Glass = No Specialty Glass
 High Altitude = No
 Gas Fill = Argon
 Glass / Grille Spacer Color = Stainless
 None
 DP/PG Upgrade = No
 Sash Lift Type = None
 Lock Hardware Style = Traditional
 Number of Sash Locks = 1
 Lock Hardware Color/Finish = White
 Window Opening Control Device = No
 Insect Screen Type = Full Screen

Insect Screen Material = Aluminum
 Insect Screen Color = Black
 Exterior Stop Cover = Yes
 Installation Material Options = No
 Re-Order Item = No
 Room Location =
 Unit U-Factor = 0.3
 Unit Solar Heat Gain Coefficient (SHGC) = 0.31
 Unit CPD Number = AND-N-74-01055-00001
 U.S. ENERGY STAR® Certified = No
 SKU = 1008729627
 Vendor Name = S/O ANDERSEN LOGISTICS
 Vendor Number = 60509030
 Customer Service = (888) 888-7020
 Catalog Version Date = 02/10/2026
 SKU Description = S/O 400S WOODWRIGHT

---- Line 500-2 Description is the same as line 500-1 ----

End Line 500 Descriptions



RO Size = 19 3/4" x 37"
 Unit Size = 19 3/8" x 36 3/4"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
600-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 19.75 x 37, 19.375 x 36.75, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$764.98	\$650.19	2	(\$229.58)	\$1,300.38
600-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 19.375 x 36.75 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$48.00	\$40.80	2	(\$14.40)	\$81.60
Unit 600 Total:			\$812.98	\$690.99		(\$243.98)	\$1,381.98

Begin Line 600 Descriptions

---- Line 600-1 ----

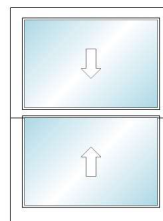
400 Series Woodwright Double-Hung-WWI
 Overall Rough Opening = 19 3/4" x 37"
 Overall Unit = 19 3/8" x 36 3/4"
 Installation Zip Code = 01020
 U.S. ENERGY STAR® Climate Zone = Northern
 Search by Unit Code = No
 Sash Width = 19 3/8
 Sash Height = 36 3/4
 Unit Sill Angle = 8 Degrees - Moderate
 Venting / Handing = AA
 Exterior Frame Color = Black
 Exterior Sash / Panel Color = Black
 Interior Frame Wood Species = Pine
 Interior Frame Finish Color = White - Painted
 Interior Sash / Panel Wood Species = Pine
 Interior Sash / Panel Finish Color = White - Painted
 Jamb Liner Color = Gray/White

Glass Construction Type = Dual Pane
 Glass Option = Low-E4
 Glass Strength = Standard
 Glass Tint = No Tint
 Specialty Glass = No Specialty Glass
 High Altitude = No
 Gas Fill = Argon
 Glass / Grille Spacer Color = Stainless None
 DP/PG Upgrade = No
 Sash Lift Type = None
 Lock Hardware Style = Traditional
 Number of Sash Locks = 1
 Lock Hardware Color/Finish = White
 Window Opening Control Device = No
 Insect Screen Type = Full Screen

Insect Screen Material = Aluminum
 Insect Screen Color = Black
 Exterior Stop Cover = Yes
 Installation Material Options = No
 Re-Order Item = No
 Room Location =
 Unit U-Factor = 0.3
 Unit Solar Heat Gain Coefficient (SHGC) = 0.31
 Unit CPD Number = AND-N-74-01055-00001
 U.S. ENERGY STAR® Certified = No
 SKU = 1008729627
 Vendor Name = S/O ANDERSEN LOGISTICS
 Vendor Number = 60509030
 Customer Service = (888) 888-7020
 Catalog Version Date = 02/10/2026
 SKU Description = S/O 400S WOODWRIGHT

---- Line 600-2 Description is the same as line 600-1 ----

End Line 600 Descriptions



RO Size = 34 3/4" x 46 1/2"
 Unit Size = 34 3/8" x 46 1/4"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
700-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 34.75 x 46.5, 34.375 x 46.25, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$991.08	\$842.36	2	(\$297.44)	\$1,684.72
700-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 34.375 x 46.25 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$62.76	\$53.34	2	(\$18.84)	\$106.68
Unit 700 Total:			\$1,053.84	\$895.70		(\$316.28)	\$1,791.40

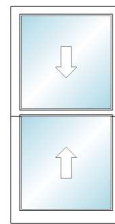
Begin Line 700 Descriptions

---- Line 700-1 ----

<p>400 Series Woodwright Double-Hung-WWI Overall Rough Opening = 34 3/4" x 46 1/2" Overall Unit = 34 3/8" x 46 1/4" Installation Zip Code = 01020 U.S. ENERGY STAR® Climate Zone = Northern Search by Unit Code = No Sash Width = 34 3/8" Sash Height = 46 1/4" Unit Sill Angle = 8 Degrees - Moderate Venting / Handing = AA Exterior Frame Color = Black Exterior Sash / Panel Color = Black Interior Frame Wood Species = Pine Interior Frame Finish Color = White - Painted Interior Sash / Panel Wood Species = Pine Interior Sash / Panel Finish Color = White - Painted Jamb Liner Color = Gray/White</p>	<p>Glass Construction Type = Dual Pane Glass Option = Low-E4 Glass Strength = Standard Glass Tint = No Tint Specialty Glass = No Specialty Glass High Altitude = No Gas Fill = Argon Glass / Grille Spacer Color = Stainless None DP/PG Upgrade = No Sash Lift Type = None Lock Hardware Style = Traditional Number of Sash Locks = 2 Lock Hardware Color/Finish = White Window Opening Control Device = No Insect Screen Type = Full Screen</p>	<p>Insect Screen Material = Aluminum Insect Screen Color = Black Exterior Stop Cover = Yes Installation Material Options = No Re-Order Item = No Room Location = Unit U-Factor = 0.3 Unit Solar Heat Gain Coefficient (SHGC) = 0.31 Unit CPD Number = AND-N-74-01055-00001 U.S. ENERGY STAR® Certified = No SKU = 1008729627 Vendor Name = S/O ANDERSEN LOGISTICS Vendor Number = 60509030 Customer Service = (888) 888-7020 Catalog Version Date = 02/10/2026 SKU Description = S/O 400S WOODWRIGHT</p>
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---- Line 700-2 Description is the same as line 700-1 ----

End Line 700 Descriptions



RO Size = 31 3/4" x 61 3/4"
Unit Size = 31 3/8" x 61 1/2"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
800-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 31.75 x 61.75, 31.375 x 61.5, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$1,130.64	\$960.98	5	(\$848.30)	\$4,804.90
800-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 31.375 x 61.5 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$72.36	\$61.50	5	(\$54.30)	\$307.50
Unit 800 Total:			\$1,203.00	\$1,022.48		(\$902.60)	\$5,112.40

Begin Line 800 Descriptions

---- Line 800-1 ----

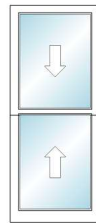
400 Series Woodwright Double-Hung-WWI
 Overall Rough Opening = 31 3/4" x 61 3/4"
 Overall Unit = 31 3/8" x 61 1/2"
 Installation Zip Code = 01020
 U.S. ENERGY STAR® Climate Zone = Northern
 Search by Unit Code = No
 Sash Width = 31 3/8
 Sash Height = 61 1/2
 Unit Sill Angle = 8 Degrees - Moderate
 Venting / Handing = AA
 Exterior Frame Color = Black
 Exterior Sash / Panel Color = Black
 Interior Frame Wood Species = Pine
 Interior Frame Finish Color = White - Painted
 Interior Sash / Panel Wood Species = Pine
 Interior Sash / Panel Finish Color = White - Painted
 Jamb Liner Color = Gray/White

Glass Construction Type = Dual Pane
 Glass Option = Low-E4
 Glass Strength = Standard
 Glass Tint = No Tint
 Specialty Glass = No Specialty Glass
 High Altitude = No
 Gas Fill = Argon
 Glass / Grille Spacer Color = Stainless
 None
 DP/PG Upgrade = No
 Sash Lift Type = None
 Lock Hardware Style = Traditional
 Number of Sash Locks = 2
 Lock Hardware Color/Finish = White
 Window Opening Control Device = No
 Insect Screen Type = Full Screen

Insect Screen Material = Aluminum
 Insect Screen Color = Black
 Exterior Stop Cover = Yes
 Installation Material Options = No
 Re-Order Item = No
 Room Location =
 Unit U-Factor = 0.3
 Unit Solar Heat Gain Coefficient (SHGC) = 0.31
 Unit CPD Number = AND-N-74-01055-00001
 U.S. ENERGY STAR® Certified = No
 SKU = 1008729627
 Vendor Name = S/O ANDERSEN LOGISTICS
 Vendor Number = 60509030
 Customer Service = (888) 888-7020
 Catalog Version Date = 02/10/2026
 SKU Description = S/O 400S WOODWRIGHT

---- Line 800-2 Description is the same as line 800-1 ----

End Line 800 Descriptions



RO Size = 27 1/2" x 65 1/2"
 Unit Size = 27 1/8" x 65 1/4"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
900-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 27.5 x 65.5, 27.125 x 65.25, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$1,130.64	\$960.98	5	(\$848.30)	\$4,804.90
900-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 27.125 x 65.25 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$72.36	\$61.50	5	(\$54.30)	\$307.50
Unit 900 Total:			\$1,203.00	\$1,022.48		(\$902.60)	\$5,112.40

Begin Line 900 Descriptions

---- Line 900-1 ----

400 Series Woodwright Double-Hung-WWI
 Overall Rough Opening = 27 1/2" x 65 1/2"
 Overall Unit = 27 1/8" x 65 1/4"
 Installation Zip Code = 01020
 U.S. ENERGY STAR® Climate Zone = Northern
 Search by Unit Code = No
 Sash Width = 27 1/8
 Sash Height = 65 1/4
 Unit Sill Angle = 8 Degrees - Moderate
 Venting / Handing = AA
 Exterior Frame Color = Black
 Exterior Sash / Panel Color = Black
 Interior Frame Wood Species = Pine
 Interior Frame Finish Color = White - Painted
 Interior Sash / Panel Wood Species = Pine

Glass Construction Type = Dual Pane
 Glass Option = Low-E4
 Glass Strength = Standard
 Glass Tint = No Tint
 Specialty Glass = No Specialty Glass
 High Altitude = No
 Gas Fill = Argon
 Glass / Grille Spacer Color = Stainless
 None
 DP/PG Upgrade = No
 Sash Lift Type = None
 Lock Hardware Style = Traditional
 Number of Sash Locks = 2
 Lock Hardware Color/Finish = White
 Window Opening Control Device = No

Insect Screen Material = Aluminum
 Insect Screen Color = Black
 Exterior Stop Cover = Yes
 Installation Material Options = No
 Re-Order Item = No
 Room Location =
 Unit U-Factor = 0.3
 Unit Solar Heat Gain Coefficient (SHGC) = 0.31
 Unit CPD Number = AND-N-74-01055-00001
 U.S. ENERGY STAR® Certified = No
 SKU = 1008729627
 Vendor Name = S/O ANDERSEN LOGISTICS
 Vendor Number = 60509030
 Customer Service = (888) 888-7020
 Catalog Version Date = 02/10/2026

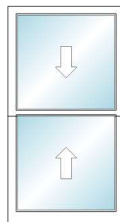
Interior Sash / Panel Finish Color = White - Painted
 Jamb Liner Color = Gray/White

Insect Screen Type = Full Screen

SKU Description = S/O 400S WOODWRIGHT

---- Line 900-2 Description is the same as line 900-1 ----

End Line 900 Descriptions



RO Size = 35 1/2" x 65 1/2"
 Unit Size = 35 1/8" x 65 1/4"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
1000-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 35.5 x 65.5, 35.125 x 65.25, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$1,269.46	\$1,078.97	1	(\$190.49)	\$1,078.97
1000-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 35.125 x 65.25 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$81.96	\$69.66	1	(\$12.30)	\$69.66
Unit 1000 Total:			\$1,351.42	\$1,148.63		(\$202.79)	\$1,148.63

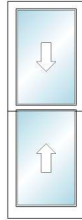
Begin Line 1000 Descriptions

---- Line 1000-1 ----

<p>400 Series Woodwright Double-Hung-WWI Overall Rough Opening = 35 1/2" x 65 1/2" Overall Unit = 35 1/8" x 65 1/4" Installation Zip Code = 01020 U.S. ENERGY STAR® Climate Zone = Northern Search by Unit Code = No Sash Width = 35 1/8 Sash Height = 65 1/4 Unit Sill Angle = 8 Degrees - Moderate Venting / Handing = AA Exterior Frame Color = Black Exterior Sash / Panel Color = Black Interior Frame Wood Species = Pine Interior Frame Finish Color = White - Painted Interior Sash / Panel Wood Species = Pine Interior Sash / Panel Finish Color = White - Painted Jamb Liner Color = Gray/White</p>	<p>Glass Construction Type = Dual Pane Glass Option = Low-E4 Glass Strength = Standard Glass Tint = No Tint Specialty Glass = No Specialty Glass High Altitude = No Gas Fill = Argon Glass / Grille Spacer Color = Stainless None DP/PG Upgrade = No Sash Lift Type = None Lock Hardware Style = Traditional Number of Sash Locks = 2 Lock Hardware Color/Finish = White Window Opening Control Device = No Insect Screen Type = Full Screen</p>	<p>Insect Screen Material = Aluminum Insect Screen Color = Black Exterior Stop Cover = Yes Installation Material Options = No Re-Order Item = No Room Location = Unit U-Factor = 0.3 Unit Solar Heat Gain Coefficient (SHGC) = 0.31 Unit CPD Number = AND-N-74-01055-00001 U.S. ENERGY STAR® Certified = No SKU = 1008729627 Vendor Name = S/O ANDERSEN LOGISTICS Vendor Number = 60509030 Customer Service = (888) 888-7020 Catalog Version Date = 02/10/2026 SKU Description = S/O 400S WOODWRIGHT</p>
--	---	---

---- Line 1000-2 Description is the same as line 1000-1 ----

End Line 1000 Descriptions



RO Size = 23 1/2" x 65 1/2"
 Unit Size = 23 1/8" x 65 1/4"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
1100-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 23.5 x 65.5, 23.125 x 65.25, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted		\$1,113.51	\$946.42	3	(\$501.27)	\$2,839.26
1100-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 23.125 x 65.25 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026		\$72.36	\$61.50	3	(\$32.58)	\$184.50
Unit 1100 Total:			\$1,185.87	\$1,007.92		(\$533.85)	\$3,023.76

Begin Line 1100 Descriptions

---- Line 1100-1 ----

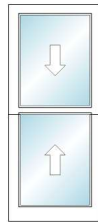
400 Series Woodwright Double-Hung-WWI
 Overall Rough Opening = 23 1/2" x 65 1/2"
 Overall Unit = 23 1/8" x 65 1/4"
 Installation Zip Code = 01020
 U.S. ENERGY STAR® Climate Zone = Northern
 Search by Unit Code = No
 Sash Width = 23 1/8
 Sash Height = 65 1/4
 Unit Sill Angle = 8 Degrees - Moderate
 Venting / Handing = AA
 Exterior Frame Color = Black
 Exterior Sash / Panel Color = Black
 Interior Frame Wood Species = Pine
 Interior Frame Finish Color = White - Painted
 Interior Sash / Panel Wood Species = Pine
 Interior Sash / Panel Finish Color = White - Painted
 Jamb Liner Color = Gray/White

Glass Construction Type = Dual Pane
 Glass Option = Low-E4
 Glass Strength = Standard
 Glass Tint = No Tint
 Specialty Glass = No Specialty Glass
 High Altitude = No
 Gas Fill = Argon
 Glass / Grille Spacer Color = Stainless None
 DP/PG Upgrade = No
 Sash Lift Type = None
 Lock Hardware Style = Traditional
 Number of Sash Locks = 1
 Lock Hardware Color/Finish = White
 Window Opening Control Device = No
 Insect Screen Type = Full Screen

Insect Screen Material = Aluminum
 Insect Screen Color = Black
 Exterior Stop Cover = Yes
 Installation Material Options = No
 Re-Order Item = No
 Room Location =
 Unit U-Factor = 0.3
 Unit Solar Heat Gain Coefficient (SHGC) = 0.31
 Unit CPD Number = AND-N-74-01055-00001
 U.S. ENERGY STAR® Certified = No
 SKU = 1008729627
 Vendor Name = S/O ANDERSEN LOGISTICS
 Vendor Number = 60509030
 Customer Service = (888) 888-7020
 Catalog Version Date = 02/10/2026
 SKU Description = S/O 400S WOODWRIGHT

---- Line 1100-2 Description is the same as line 1100-1 ----

End Line 1100 Descriptions



RO Size = 23 1/2" x 54"
 Unit Size = 23 1/8" x 53 3/4"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
-------------	--------------	---------------	-----------	-----------	----------	---------------	-------------

1200-1	400 Series Woodwright Double-Hung-WWI Equal Sash, AA, Rough Opening 23.5 x 54, 23.125 x 53.75, Black w/Black Sash / Frame:Pine White - Painted Panel:Pine White - Painted	\$973.95	\$827.80	1	(\$146.15)	\$827.80
1200-2	Insect Screen 1: 400 Series Woodwright Double-Hung-WWI, WDHI 23.125 x 53.75 8 Degrees - Moderate Full Screen Aluminum Black Version:02/10/2026	\$62.76	\$53.34	1	(\$9.42)	\$53.34
Unit 1200 Total:		\$1,036.71	\$881.14		(\$155.57)	\$881.14

Begin Line 1200 Descriptions

---- Line 1200-1 ----

<p>400 Series Woodwright Double-Hung-WWI Overall Rough Opening = 23 1/2" x 54" Overall Unit = 23 1/8" x 53 3/4" Installation Zip Code = 01020 U.S. ENERGY STAR® Climate Zone = Northern Search by Unit Code = No Sash Width = 23 1/8 Sash Height = 53 3/4 Unit Sill Angle = 8 Degrees - Moderate Venting / Handing = AA Exterior Frame Color = Black Exterior Sash / Panel Color = Black Interior Frame Wood Species = Pine Interior Frame Finish Color = White - Painted Interior Sash / Panel Wood Species = Pine Interior Sash / Panel Finish Color = White - Painted Jamb Liner Color = Gray/White</p>	<p>Glass Construction Type = Dual Pane Glass Option = Low-E4 Glass Strength = Standard Glass Tint = No Tint Specialty Glass = No Specialty Glass High Altitude = No Gas Fill = Argon Glass / Grille Spacer Color = Stainless None DP/PG Upgrade = No Sash Lift Type = None Lock Hardware Style = Traditional Number of Sash Locks = 1 Lock Hardware Color/Finish = White Window Opening Control Device = No Insect Screen Type = Full Screen</p>	<p>Insect Screen Material = Aluminum Insect Screen Color = Black Exterior Stop Cover = Yes Installation Material Options = No Re-Order Item = No Room Location = Unit U-Factor = 0.3 Unit Solar Heat Gain Coefficient (SHGC) = 0.31 Unit CPD Number = AND-N-74-01055-00001 U.S. ENERGY STAR® Certified = No SKU = 1008729627 Vendor Name = S/O ANDERSEN LOGISTICS Vendor Number = 60509030 Customer Service = (888) 888-7020 Catalog Version Date = 02/10/2026 SKU Description = S/O 400S WOODWRIGHT</p>
--	--	---

---- Line 1200-2 Description is the same as line 1200-1 ----

End Line 1200 Descriptions



RO Size = 51 3/4" x 61 1/4"
Unit Size = 51 1/4" x 60 3/4"

Catalog Version 312

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
1300-1	400 Series Picture Window-CW, Fixed, Rough Opening 51.75 x 61.25, 51.25 x 60.75, Black / Frame:Pine White - Painted		\$1,328.38	\$1,129.05	1	(\$199.33)	\$1,129.05
Unit 1300 Total:			\$1,328.38	\$1,129.05		(\$199.33)	\$1,129.05

Begin Line 1300 Description

---- Line 1300-1 ----

<p>400 Series Picture Window-CW Overall Rough Opening = 51 3/4" x 61 1/4" Overall Unit = 51 1/4" x 60 3/4" Installation Zip Code = 01020 U.S. ENERGY STAR® Climate Zone = Northern Search by Unit Code = No Standard Width = Custom Standard Height = Custom</p>	<p>Interior Frame Wood Species = Pine Interior Frame Finish Color = White - Painted Glass Construction Type = Dual Pane Glass Option = Low-E4 Glass Strength = Standard Glass Tint = No Tint Specialty Glass = No Specialty Glass Art Glass Series = None</p>	<p>Installation Material Options = No Re-Order Item = No Room Location = Unit U-Factor = 0.26 Unit Solar Heat Gain Coefficient (SHGC) = 0.34 Unit CPD Number = AND-N-54-04330-00001 U.S. ENERGY STAR® Certified = No SKU = 1008729629</p>
---	--	--

Frame Width = 51 1/4
Frame Height = 60 3/4
Frame Option = No Flange
Venting / Handing = Fixed
Trim Stop Profile = Traditional
Exterior Frame Color = Black

High Altitude = No
Gas Fill = Argon
Glass / Grille Spacer Color = Stainless
None
Exterior Trim Style = None
Extension Jamb Type = None

Vendor Name = S/O ANDERSEN LOGISTICS
Vendor Number = 60509030
Customer Service = (888) 888-7020
Catalog Version Date = 02/10/2026
SKU Description = S/O 400S SPECIALTY/SHAPES

End Line 1300 Description







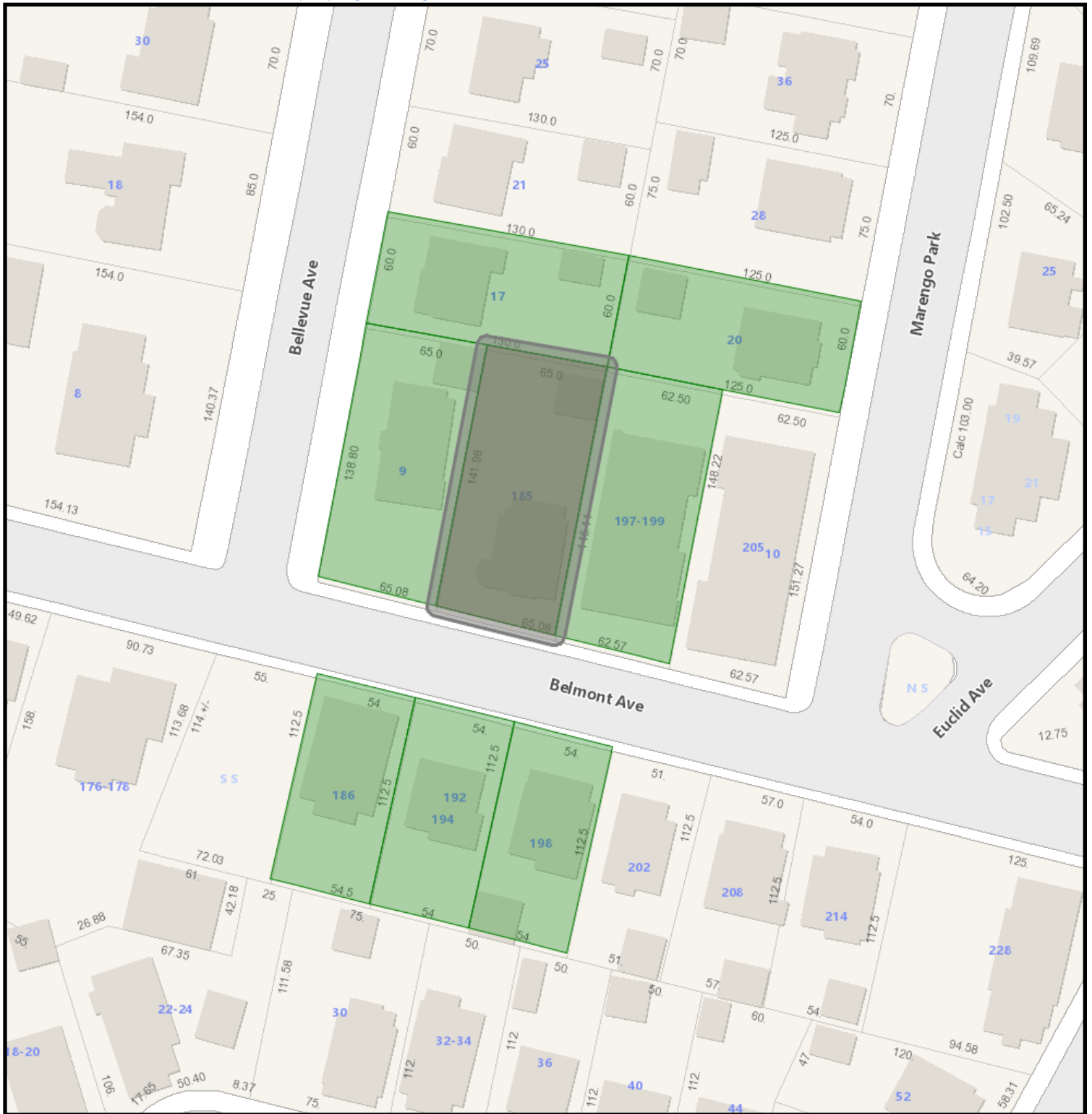












185 Belmont Avenue

3/30/2026 11:49:14 AM

Scale: 1"=75'

Scale is approximate



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012250072
ADERO LANA & EMMANUEL
17 BELLEVUE AVE
SPRINGFIELD, MA 01108

012350039
HERRERA TRANSITO HAYDEE
192 BELMONT AVE
SPRINGFIELD, MA 01108

082500004
LAWRENCE DENNIS A
20 MARENGO PARK
SPRINGFIELD, MA 01108

012350343
PHILLIPS CORNELIUS W III &
185 BELMONT AVE
SPRINGFIELD, MA 01108

012350340
RBT ENTERPRISE LLC & H P
268 COLD SPRING AVE STE B
WEST SPRINGFIELD, MA 01089

012350038
REMLAP RENTALS LLC
928 BELMONT AVE
SPRINGFIELD, MA 01108

012250074
ROARK KELLEY S.
12135 NE 10TH AVE
NORTH MIAMI, FL 33161

012350040
SMAIL'S LLC
185 BELMONT AVE
SPRINGFIELD, MA 01108



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION CHECKLIST

PROPERTY ADDRESS: 257 Longhill Street (empty parcel) (07900-0129)

Incomplete application will **NOT** be accepted and scheduled. A complete and valid application **MUST** contain the following information:

- 1) The type of Certificate the petitioner is seeking must be indicated (see Page 1);
- 2) The property owner's signature must appear on the application;
- 3) Relevant and applicable PHOTOGRAPHS, MATERIALS and PLANS specified on the Application

CHECKLIST



APPLICATION

Please complete the attached application and **PROVIDE ADDITIONAL PAGES IF NEEDED.**



PICTURES OF EXISTING CONDITIONS

Please provide color photographs of the project area's current condition. For example, should the project pertain to replacing windows, provide a photograph of what the current windows looks like.



RENDERING OF PROPOSED PROJECT UPON COMPLETION

Please provide a rendering of what the project will look like upon completion. For some products, such as siding, windows, doors, solar powered panels, HVAC systems (including heat pumps), this may include product details from the manufacturer and/or store or a brochure. For paint color-related projects, a sample of the color may suffice. For new construction, renderings from an architect are required.



PRODUCT SPECIFICATIONS

Please provide specifications for any products (e.g. doors, windows, siding, solar powered panels, HVAC systems, etc.) to be utilized during the project. Project details from the manufacturer and/or store, or a brochure, will suffice. If available, please bring physical samples of the product to the meeting date.



LETTER OF AUTHORIZATION

If the landowner is unable to attend the hearing, correspondence shall be submitted that authorizes a representative to speak on their behalf about the application.

For more information, visit the City's website: www.springfield-ma.gov/planning/historic-comm or call the Office: (413) 787-6020.

OFFICE USE ONLY	
LOCAL HISTORIC DISTRICT: Forest Park Heights	DECISION:
DATE RECEIVED: March 26, 2026	DECISION DATE:
HEARING DATE: April 16, 2026	DATE DISCUSSED (NO HEARING):
DATE NOTICE POSTED: April 2, 2026	WAIVED BY COMMISSION:
DATE NOTICE MAILED: April 2, 2026	WAIVED BY ABUTTERS:



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION TYPE

PROPERTY ADDRESS: 257 Longhill Street

APPLICATION TYPE Certificate of Appropriateness



CERTIFICATE OF APPROPRIATENESS

Select this type of application for those changes that are in conformance with the guidelines and/or acceptable for the particular Local Historic District.



CERTIFICATE OF HARDSHIP

Select this type of application for those changes that are not appropriate with the underlying District guidelines, but which are necessary due to economic, physical, social, or other special conditions that apply to the individual property, but do not apply to the overall underlying District.



CERTIFICATE OF NON-APPLICABILITY

Select this type of application for those changes that affect features not controlled by the Commission (e.g. work that involves no change in materials, design or dimensions).



ENVIRONMENTAL REVIEW (I.E. REVIEW OF A STRUCTURE IN A NATIONAL REGISTER DISTRICT/INDIVIDUAL BUILDING)

Select this type of application for those changes that affect a structure in a National Register District, or a structure that is listed as a National Register Individual Building, that utilizes public funding (local, State, or federal). If the structure is both within a National Register District/Individual Building and a Local Historic District, select one of the application types above (Appropriateness, Hardship, Non-Applicability). If the structure contains a Preservation Restriction and is located within a National Register District/Individual Building, select the Preservation Agreement application type below.



PRESERVATION AGREEMENT

Selection this type of application if the structure contains a Preservation Restriction.



PRESERVATION OF HISTORICALLY SIGNIFICANT BUILDINGS (DEMO DELAY)

Select this type of application if the structure is more than 75 years old and are requesting that the nine (9) month demo delay restriction be lifted in order to commence demolition immediately.



MUNICIPAL PROTOCOL

Select this type of application if the structure relates to a municipally (City of Springfield) owned property, and the project will be facilitated by the municipality (City of Springfield).



SECTION 106 REVIEW

Select this type of application if the project is being submitted in accordance with Section 106.

Recourse: If a petitioner disagrees with a ruling by the Commission, he or she may, within twenty (20) days after filing the notice of such ruling with the City Clerk, appeal to the Superior Court or Housing Court, if applicable. On the other hand, the Historical Commission may, through Superior Court (or Housing Court), seek an injunction against any violation with a historic district's guidelines/standards. The Court may order the removal of any such violation, or the restoration of any building or feature altered or demolition in violation of a historic district's standards. Persons found guilty of any violations may be fined not less than ten dollars (\$10.00) or no more than five hundred dollars (\$500.00).



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION FOR CERTIFICATE

PROPERTY ADDRESS: 257 Longhill Street		CHECK BOX IF THE PETITIONER REQUIRES AN INTERPRETER <input type="checkbox"/>
PROPERTY OWNER: Siervo Jimenez		
OWNER ADDRESS: <input type="checkbox"/> Check box if same as property address 80 Cornell Street		
OWNER PHONE NUMBER: 7814281950	REPRESENTATIVE/CONTRACTOR NAME: Pro Builders Home Improvement LLC	
OWNER EMAIL ADDRESS: siervo21@gmail.com	REPRESENTATIVE/CONTRACTOR PHONE NUMBER: 4135190902	
PROPERTY CODE: 07900-0129	REPRESENTATIVE/CONTRACTOR EMAIL ADDRESS:	
PROJECT DESCRIPTION (USE SEPARATE PAGE IF NEEDED): Build a new home confirming to historical features. Using 325 Longhill as the main inspiration		PROPOSED MODIFICATIONS (Please check all that apply) <input type="checkbox"/> Windows (see Page 3) <input type="checkbox"/> Doors (see Page 4) <input type="checkbox"/> Siding (see Page 5) <input type="checkbox"/> Roofing (see Page 6) <input type="checkbox"/> Solar (see Page 6) <input type="checkbox"/> Signs (see Page 7) <input type="checkbox"/> Heat Pumps (see page 7) <input type="checkbox"/> Paint (see Page 8) <input type="checkbox"/> Renovations (e.g. Porches) (see Page 8) <input checked="" type="checkbox"/> New Construction (all of the above) <input type="checkbox"/> Other Projects (see Page 9):
JUSTIFICATION FOR CERTIFICATE OF HARDSHIP (IF APPLICABLE) (USE SEPARATE PAGE IF NEEDED):		

Check box if property owner will be in attendance at the hearing. If not, correspondence from the property owner authorizing a representative to present the application is required.

PROPERTY OWNER'S SIGNATURE

03/26/2026

DATE

WINDOWS

Check box indicating that you are submitting an order sheet with renderings/brochure of the proposed windows.

Check box indicating that you are submitting photographs of the existing windows.

Check box indicating that you are aware of the City's Window Guidelines (click [here](#)).

Will the Dimensions of the Windows Change: Yes (Please Provide Details Below Under Additional Information) No

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE CURRENT WINDOWS:

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE WINDOWS:

NUMBER OF WINDOWS TO BE REPLACED/ADDED:

NEW WINDOW MANUFACTURER:

MODEL NUMBER(S):

	EXISTING	PROPOSED
MATERIAL (e.g. wood, vinyl, aluminum, etc):		
EXTERNAL COLOR(S) (e.g. black, white, etc):		
GRID PLACEMENT (Interior or Exterior):		
GRID PATTERN (e.g. two-over-two; six-over-one, etc):		
WINDOW STYLE(S) (e.g. double-hung, etc):		
GLASS TYPE(S) (e.g. single-pane, double-pane, etc):		

ADDITIONAL INFOMRATION:

DOORS

Check box indicating that you are submitting an order sheet with renderings/brochure of the proposed door(s).

Check box indicating that you are submitting photographs of the existing door(s).

Will the Dimensions of the Door(s) Change: Yes (Please Provide Details Below Under Additional Information) No

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE CURRENT DOOR(S):

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE DOOR(S):

NUMBER OF DOOR(S) TO BE REPLACED/ADDED:

NEW DOOR MANUFACTURER:

MODEL NUMBER(S):

EXISTING

PROPOSED

MATERIAL (e.g. steel, fiberglass, etc):

EXTERNAL COLOR(S) (e.g. black, white, etc):

DOOR STYLE(S) (e.g. colonial, etc):

PANEL PATTERN (e.g. single; two panel, etc):

GLASS PLACEMENT:

GLASS TYPE(S) (e.g. single-pane, double-pane, etc):

ADDITIONAL INFOMRATION:



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Viewed 03/16/2026

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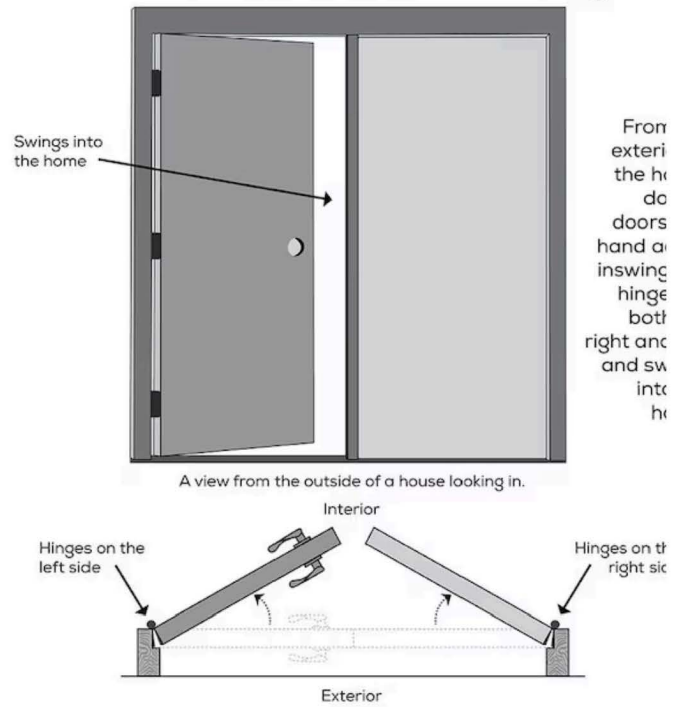


Image
Coming Soon



Image
Coming Soon

Double Doors - Left Hand Active Inswing



[View All Images](#)

What's Included



Jamb Width: 4-9/16-in



Lockset Bore: Double



Adjustable Sill



Weatherstripping

[See More](#)

At a Glance



Finish: Painted



Material: Fiberglass



Privacy Rating: 0



Handing: Left-hand inswing

[View More](#)

MMI DOOR 72-in x 80-in x 4-9/16-in Fiberglass Left-hand inswing Black Painted Prehung Residential Insulating core Front Door

Item #3679374 | Model #ZZ13545L

[Shop MMI DOOR](#)



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As low as \$126/mo with **affirm**. See If You Qualify.

Manufacturer Color/Finish: Black



Common Size (W x H): 72-in x 80-in

64-in x 80-in

72-in x 80-in

Handing: Left-hand inswing

Left-hand inswing

Right-hand inswing

Get It Installed

Pickup

Wed, May 20

300 available

FREE



Shipping

Wed, May 20

300 available



Delivery

Thu, May 21

300 available

FREE Pickup at E. Springfield Lowe's

Wait time is typical for this product.

Quantity selector: 1

Add to Cart

Members save more. Sign in or join for FREE

Here are some similar items ...



MMI DOOR 72-in x 80-in x 6-9/16-in Fiberglass Left-hand inswing...

\$2,294.¹⁵

~~\$2,699.00~~ Save 15%

+ Add to Cart



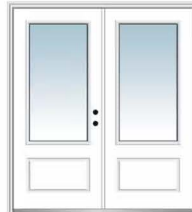
MMI DOOR 64-in x 80-in x 4-9/16-in Fiberglass Right-hand inswing...

★★★★★ 1

\$3,144.¹⁵

~~\$3,699.00~~ Save 15%

+ Add to Cart



MMI DOOR 72-in x 80-in x 4-9/16-in Fiberglass Left-hand inswing...

\$2,166.⁶⁵

~~\$2,549.00~~ Save 15%

+ Add to Cart



MMI DOOR 72-in x 80-in x 4-9/16-in Fiberglass Right-hand inswing...

★★★★★ 1

\$2,591.⁶⁵

~~\$3,049.00~~ Save 15%

+ Add to Cart



Masonite Performar System 72-in x 80-in

\$3,998.³⁷

~~\$4,703.97~~ Save 15%

+ Add to Cart

BETTER TOGETHER



SIDING

Check box indicating that you are submitting an order sheet with renderings of the proposed siding.

Check box indicating that you are submitting photographs of the existing siding.

NEW SIDING MANUFACTURER:

MODEL NUMBER(S):

BUILDING SIDE(S) FOR PROPOSED SIDING:

EXISTING

PROPOSED

MATERIAL (e.g. wood, stucco, brick, non-wood shingle):

SIDING PATTERN (e.g. clapboard, bevel etc):

WINDOW CASING DIMENSIONS:

DOOR CASING DIMENSIONS:

CORNER BOARD DIMENSIONS:

CORNICES DIMENSIONS:

FRIEZE BOARD DIMENSIONS:

SHUTTER DIMENSIONS:

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE EXISTING SIDING:

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE SIDING:

ADDITIONAL INFORMATION:



ROOFING

Check box indicating that you are submitting an order sheet with renderings of the proposed roofing.

Check box indicating that you are submitting photographs of the existing roofing.

EXISTING

PROPOSED

ROOF STYLE (e.g. gable, hip, mansard, etc):

MATERIAL (e.g. asphalt shingle, slate, clay tile, etc):

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE EXISTING ROOFING:

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE ROOFING:

ADDITIONAL INFORMATION:

SOLAR

WILL THE MATERIAL OF THE ROOF BE CHANGING AS PART OF THIS PROJECT?

YES (PLEASE PROVIDE MORE INFO ABOVE)
 No

Check box indicating that you are submitting plans of the proposed solar project.

Check box indicating that you are submitting photographs of the existing roofing.

ROOF MATERIAL (e.g. asphalt shingle, slate, clay tile, etc):

NUMBER OF SOLAR POWERED PANELS:

SOLAR MANUFACTURER:

LOCATION OF SOLAR POWERED PANELS (e.g. north side of roof):

LOCATION OF MAIN SERVICE PANEL & METER (e.g. rear of building):

LOCATION OF OTHER ELECTRICAL COMPONENTS (e.g. rear of building):

LOCATION OF CONDUIT (e.g. side of building, inside the house):

PROPOSED COLOR OF CONDUIT (e.g. silver, same as house):

PAINT

Check box indicating that you are submitting samples of the proposed paint color(s).

Check box indicating that you are submitting photographs of the existing conditions (existing color(s)).

BUILDING SIDE(S) WITH NEW PAINT COLOR:

PAINTING OF OTHER STRUCTURES (e.g. porch, deck, sunroom, etc.):

EXISTING

PROPOSED

COLORS:

RENOVATIONS

FOR ANY RENOVATIONS INVOLVING MODIFICATIONS TO WINDOWS, DOORS, SIDING, ROOFING OR PAINT, PLEASE FILL OUT THOSE SECTIONS OF THIS APPLICATION (PAGES 2 AND 3).

Check box indicating that you are submitting brochures and/or renderings of the proposed renovation(s).

Check box indicating that you are submitting photographs of the existing conditions (existing colors).

STRUCTURE BEING RENOVATION (e.g. front porch, side porch, etc.):

WILL THERE BE RENOVATIONS TO RAILINGS, FLOORING, CEILING;, BALLASTERS, PILLARS, STEPS?

YES (PLEASE PROVIDE MORE INFO BELOW)

NO

EXISTING CONDITIONS/DESCRIPTION

PROPOSED RENOVATIONS

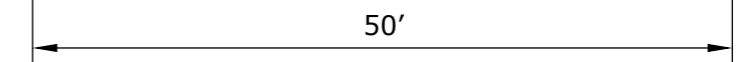
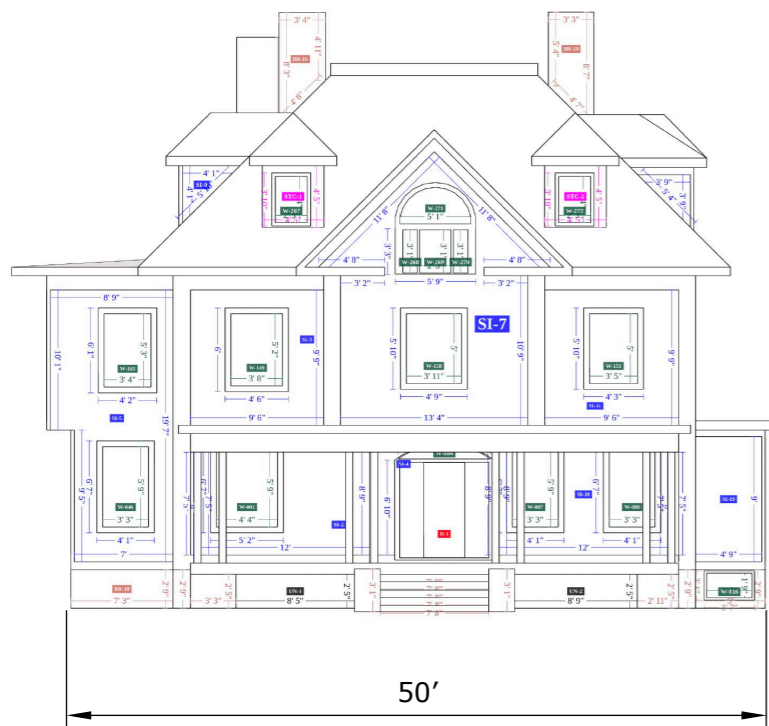
OTHER PROJECTS

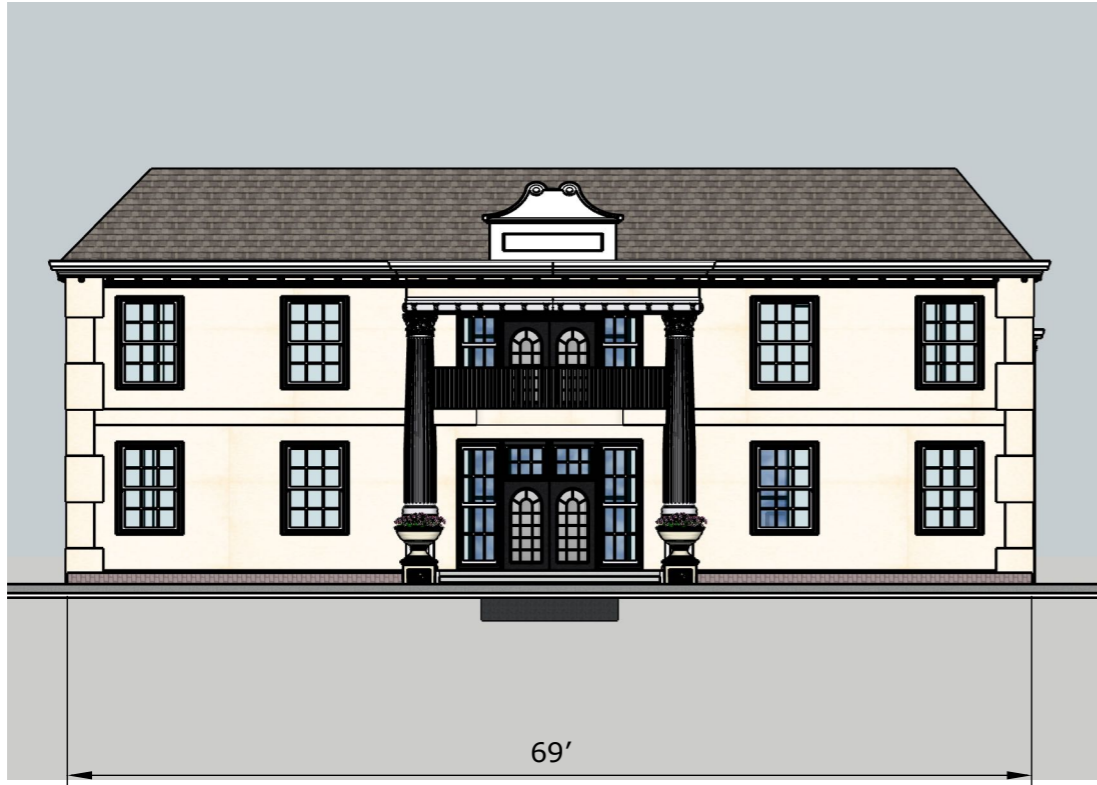
EXISTING CONDITIONS/DESCRIPTION

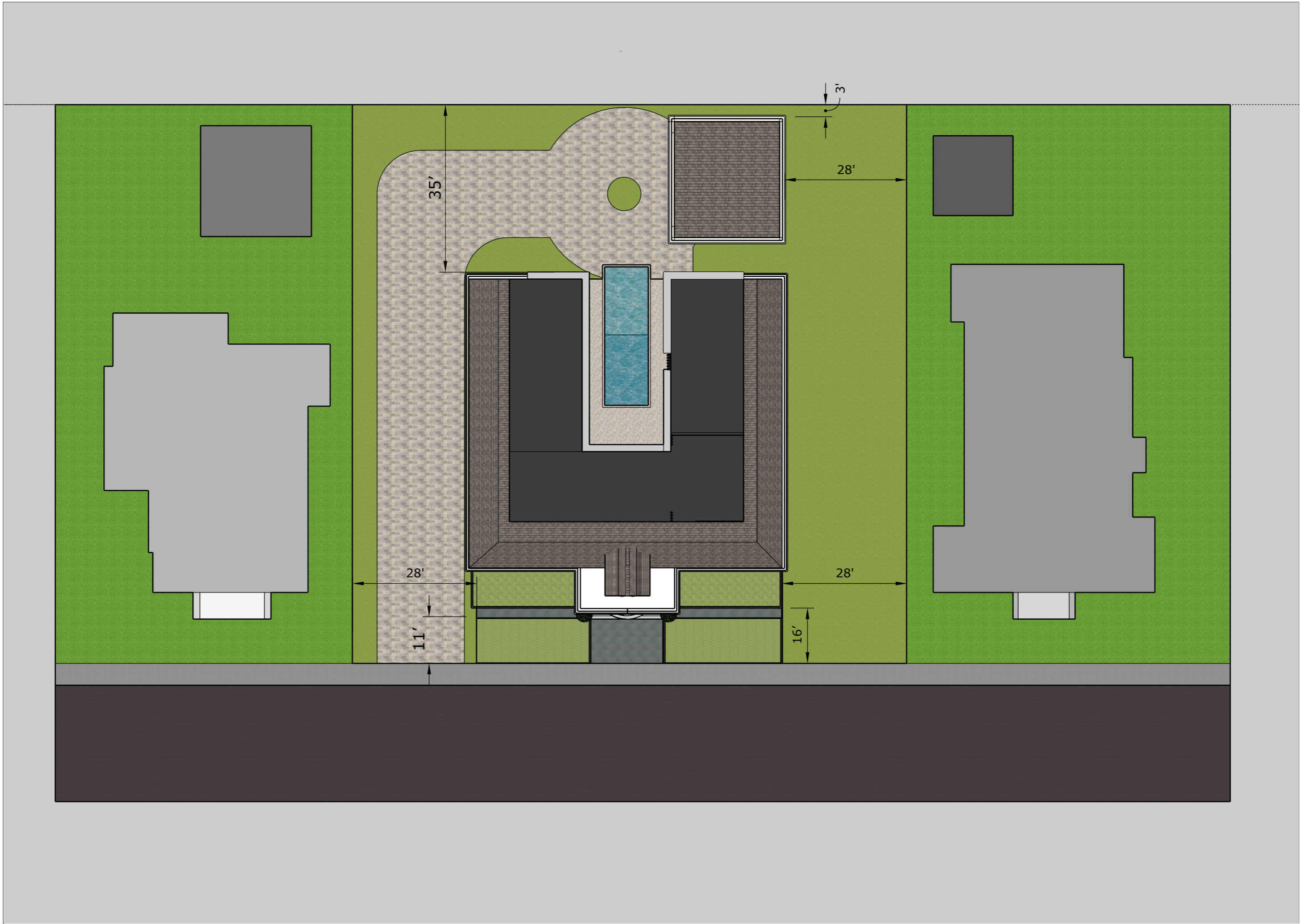
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PROPOSED CONDITIONS/DESCRIPTION

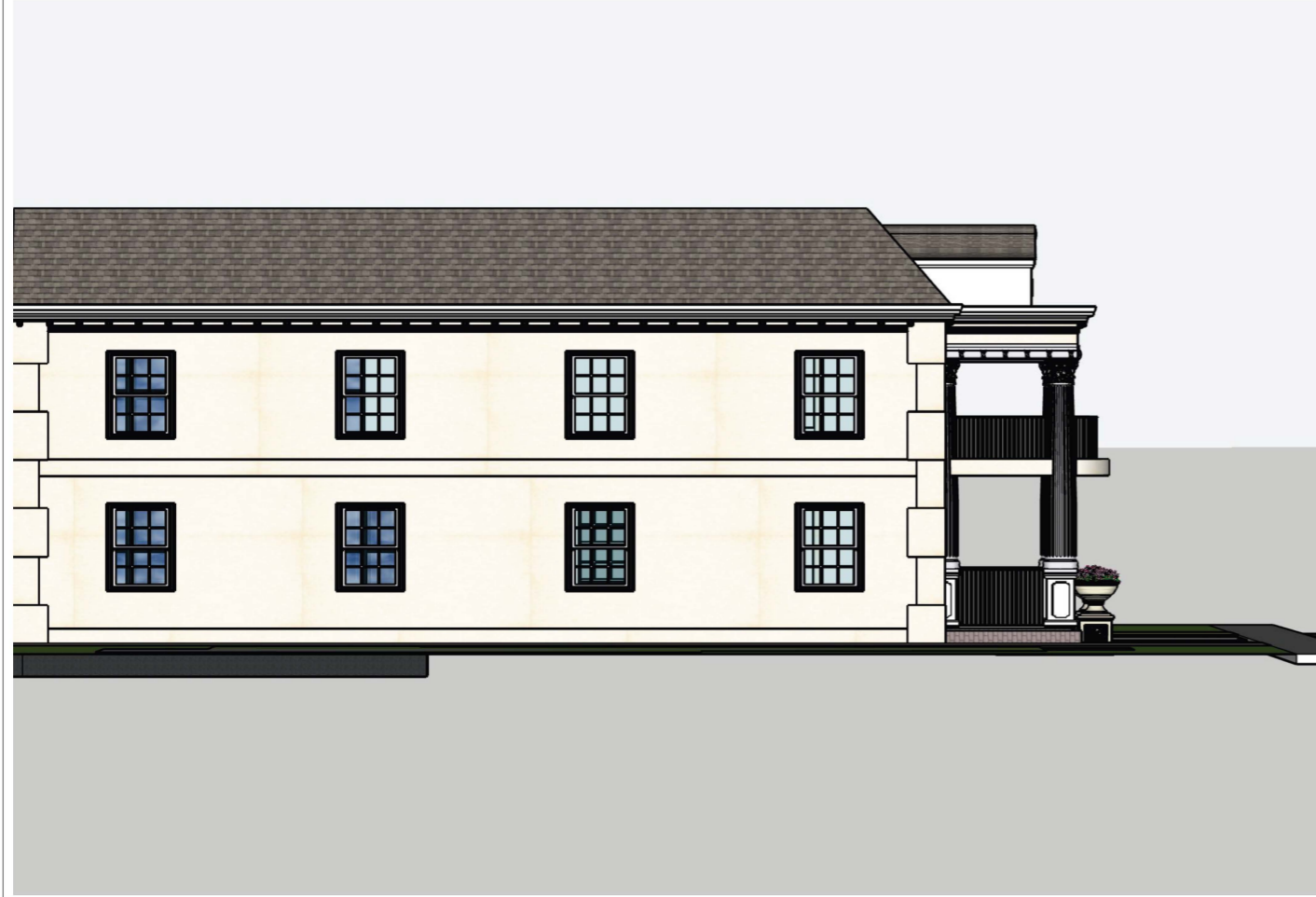
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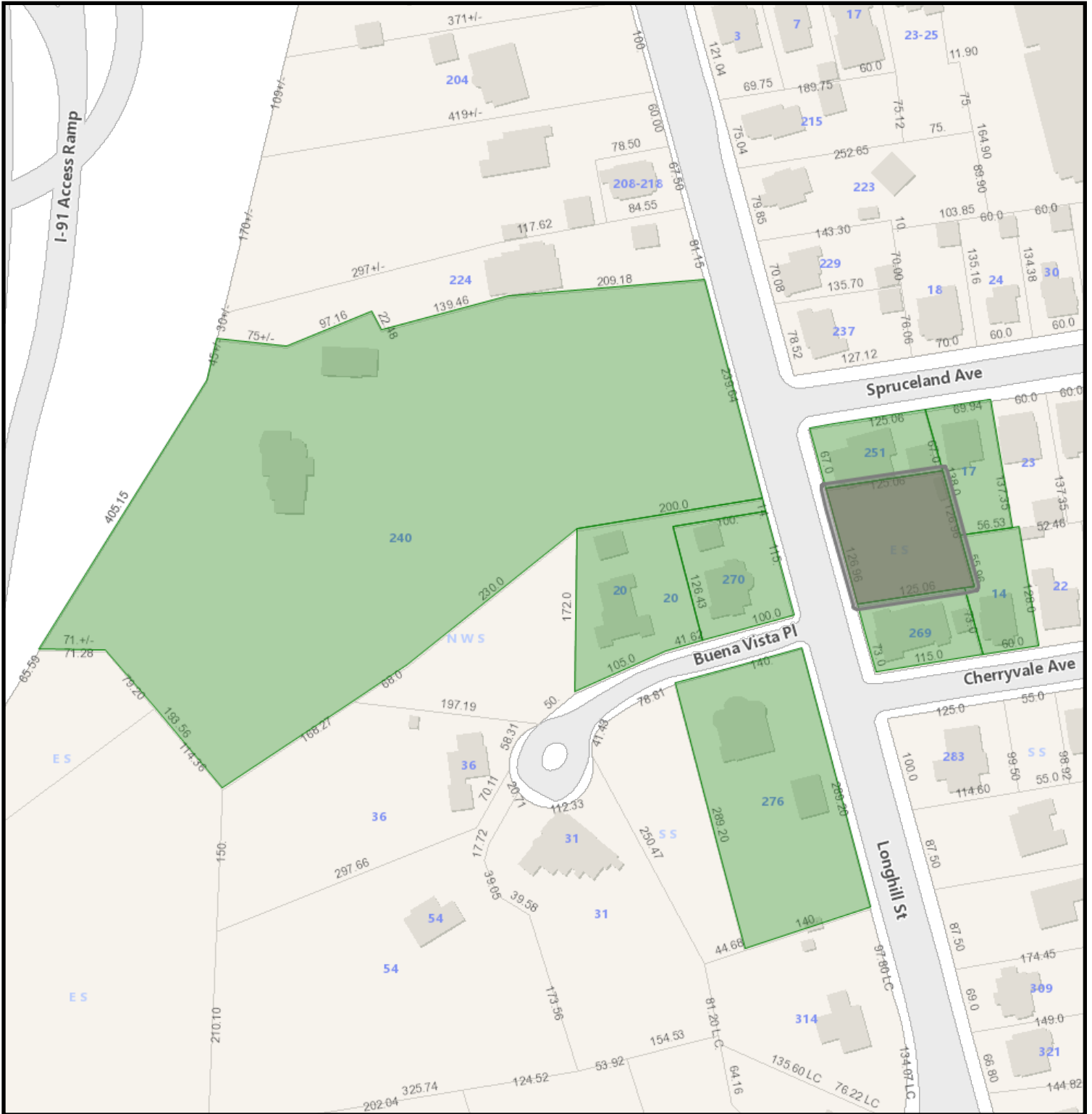








03
743



ES Longhill Street (07900-

3/30/2026 12:20:33 PM

Scale: 1"=150'

Scale is approximate



GIS information is provided on these Web Pages as a public resource for general information purposes only. It is used to locate, identify and inventory parcels of land in the City of Springfield for general purposes only and is NOT to be construed or used as a "legal description." Map and parcel information is believed to be accurate but accuracy is not guaranteed. No portion of the information should be considered to be, or used as, a legal document. The information is provided subject to the express condition that the user knowingly waives any and all claims for damages against the City of Springfield that may arise from the use of this data. Information provided on these Web Pages should be verified with the appropriate City department, and reviewed and approved by an attorney or other qualified professional prior to its use for any purpose with potential legal consequences.

079000126
BARNETT SHERIDAN S
269 LONGHILL ST
SPRINGFIELD, MA 01108

079000078
CAMPBELL YVONNE
276 LONGHILL ST
SPRINGFIELD, MA 01108

079000068
CARANDO RAMON P
240 LONGHILL ST
SPRINGFIELD, MA 01108

110650046
CRUZ HECTOR M & THOMAS E
17 SPRUCELAND AVE
SPRINGFIELD, MA 01108

079000072
GULLUNI MARIA A & RALPH
270 LONGHILL ST
SPRINGFIELD, MA 01108

079000129
JIMENEZ SIERVO & DIAZ-
251 LONGHILL ST
SPRINGFIELD, MA 01108

079000130
JIMENEZ SIERVO & DIAZ-
251 LONGHILL ST
SPRINGFIELD, MA 01108

027200004
MOCCIA DENISE E & CARL J
14 CHERRYVALE AVE
SPRINGFIELD, MA 01108

020600005
WALSH BENNETT WILLIAM &
20 BUENA VISTA PLZ
SPRINGFIELD, MA 01108



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION CHECKLIST

PROPERTY ADDRESS: 65 Bellevue Avenue

Incomplete application will **NOT** be accepted and scheduled. A complete and valid application **MUST** contain the following information:

- 1) The type of Certificate the petitioner is seeking must be indicated (see Page 1);
- 2) The property owner's signature must appear on the application;
- 3) Relevant and applicable PHOTOGRAPHS, MATERIALS and PLANS specified on the Application

CHECKLIST

APPLICATION

Please complete the attached application and **PROVIDE ADDITIONAL PAGES IF NEEDED.**

PICTURES OF EXISTING CONDITIONS

Please provide color photographs of the project area's current condition. For example, should the project pertain to replacing windows, provide a photograph of what the current windows looks like.

RENDERING OF PROPOSED PROJECT UPON COMPLETION

Please provide a rendering of what the project will look like upon completion. For some products, such as siding, windows, doors, solar powered panels, HVAC systems (including heat pumps), this may include product details from the manufacturer and/or store or a brochure. For paint color-related projects, a sample of the color may suffice. For new construction, renderings from an architect are required.

PRODUCT SPECIFICATIONS

Please provide specifications for any products (e.g. doors, windows, siding, solar powered panels, HVAC systems, etc.) to be utilized during the project. Project details from the manufacturer and/or store, or a brochure, will suffice. *If available, please bring physical samples of the product to the meeting date.*

LETTER OF AUTHORIZATION

If the landowner is unable to attend the hearing, correspondence shall be submitted that authorizes a representative to speak on their behalf about the application.

For more information, visit the City's website: www.springfield-ma.gov/planning/historic-comm or call the Office: (413) 787-6020.

OFFICE USE ONLY	
LOCAL HISTORIC DISTRICT: <u>Forest Park Heights</u>	DECISION:
DATE RECEIVED: <u>April 21, 2026</u>	DECISION DATE:
HEARING DATE: <u>May 7, 2026</u>	DATE DISCUSSED (NO HEARING):
DATE NOTICE POSTED: <u>April 23, 2026</u>	WAIVED BY COMMISSION:
DATE NOTICE MAILED: <u>April 23, 2026</u>	WAIVED BY ABUTTERS:



Springfield Historical Commission



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Springfield, MA 01104
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APPLICATION TYPE

PROPERTY ADDRESS: 65 Bellevue Avenue

APPLICATION TYPE (Select Application Type)

CERTIFICATE OF APPROPRIATENESS

Select this type of application for those changes that are in conformance with the guidelines and/or acceptable for the particular Local Historic District.

CERTIFICATE OF HARDSHIP

Select this type of application for those changes that are not appropriate with the underlying District guidelines, but which are necessary due to economic, physical, social, or other special conditions that apply to the individual property, but do not apply to the overall underlying District.

CERTIFICATE OF NON-APPLICABILITY

Select this type of application for those changes that affect features not controlled by the Commission (e.g. work that involves no change in materials, design or dimensions).

ENVIRONMENTAL REVIEW (I.E. REVIEW OF A STRUCTURE IN A NATIONAL REGISTER DISTRICT/INDIVIDUAL BUILDING)

Select this type of application for those changes that affect a structure in a National Register District, or a structure that is listed as a National Register Individual Building, that utilizes public funding (local, State, or federal). If the structure is both within a National Register District/Individual Building and a Local Historic District, select one of the application types above (Appropriateness, Hardship, Non-Applicability). If the structure contains a Preservation Restriction and is located within a National Register District/Individual Building, select the Preservation Agreement application type below.

PRESERVATION AGREEMENT

Selection this type of application if the structure contains a Preservation Restriction.

PRESERVATION OF HISTORICALLY SIGNIFICANT BUILDINGS (DEMO DELAY)

Select this type of application if the structure is more than 75 years old and are requesting that the nine (9) month demo delay restriction be lifted in order to commence demolition immediately.

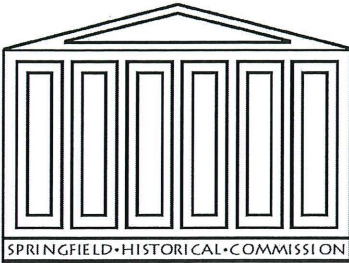
MUNICIPAL PROTOCOL

Select this type of application if the structure relates to a municipally (City of Springfield) owned property, and the project will be facilitated by the municipality (City of Springfield).

SECTION 106 REVIEW

Select this type of application if the project is being submitted in accordance with Section 106.

Recourse: If a petitioner disagrees with a ruling by the Commission, he or she may, within twenty (20) days after filing the notice of such ruling with the City Clerk, appeal to the Superior Court or Housing Court, if applicable. On the other hand, the Historical Commission may, through Superior Court (or Housing Court), seek an injunction against any violation with a historic district's guidelines/standards. The Court may order the removal of any such violation, or the restoration of any building or feature altered or demolition in violation of a historic district's standards. Persons found guilty of any violations may be fined not less than ten dollars (\$10.00) or no more than five hundred dollars (\$500.00)



Springfield Historical Commission



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Springfield, MA 01104
(413) 787-6020 (office)
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APPLICATION FOR CERTIFICATE

PROPERTY ADDRESS: 65 BELLEVUE AVE		CHECK BOX IF THE PETITIONER REQUIRES AN INTERPRETER <input type="checkbox"/>
PROPERTY OWNER: FATIMA BONILLA		
OWNER ADDRESS: <input checked="" type="checkbox"/> Check box if same as property address		
OWNER PHONE NUMBER: 857-334-9068	REPRESENTATIVE/CONTRACTOR NAME: ROBERT J DECKER IV IV SUNRUN	
OWNER EMAIL ADDRESS: FATIMAREYES09@GMAIL.COM	REPRESENTATIVE/CONTRACTOR PHONE NUMBER: 413-259-8044	
PROPERTY CODE: 01225-0060	REPRESENTATIVE/CONTRACTOR EMAIL ADDRESS: PIONEERVALLEYPERMITS@SUNRUN.COM	
PROJECT DESCRIPTION (USE SEPARATE PAGE IF NEEDED): INSTALLATION OF ROOFTOP SOLAR # OF PANELS 12 5.4KW TRENCHING REQ 28FT IN DIRT MATERIAL. PANELS TO BE INSTALLED ON GARAGE		PROPOSED MODIFICATIONS (Please check all that apply) <input type="checkbox"/> Windows (see Page 3) <input type="checkbox"/> Doors (see Page 4) <input type="checkbox"/> Siding (see Page 5) <input type="checkbox"/> Roofing (see Page 6) <input checked="" type="checkbox"/> Solar (see Page 6) <input type="checkbox"/> Signs (see Page 7) <input type="checkbox"/> Heat Pumps (see page 7) <input type="checkbox"/> Paint (see Page 8) <input type="checkbox"/> Renovations (e.g. Porches) (see Page 8) <input type="checkbox"/> New Construction (all of the above) <input type="checkbox"/> Other Projects (see Page 9):
JUSTIFICATION FOR CERTIFICATE OF HARDSHIP (IF APPLICABLE) (USE SEPARATE PAGE IF NEEDED):		

Check box if property owner will be in attendance at the hearing. If not, correspondence from the property owner authorizing a representative to present the application is required.

Signed by:

DC648F8AB52A476
PROPERTY OWNER'S SIGNATURE

4/20/2026

DATE

ROOFING		
<input type="checkbox"/>	<i>Check box indicating that you are submitting an order sheet with renderings of the proposed roofing.</i>	
<input type="checkbox"/>	<i>Check box indicating that you are submitting photographs of the existing roofing.</i>	
	EXISTING	PROPOSED
ROOF STYLE (e.g. gable, hip, mansard, etc):		
MATERIAL (e.g. asphalt shingle, slate, clay tile, etc):		
PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE EXISTING ROOFING:		
PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE ROOFING:		
ADDITIONAL INFORMATION:		

SOLAR					
WILL THE MATERIAL OF THE ROOF BE CHANGING AS PART OF THIS PROJECT?	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;"><input type="checkbox"/></td> <td style="padding: 2px 5px;">YES (PLEASE PROVIDE MORE INFO ABOVE)</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="padding: 2px 5px;">No</td> </tr> </table>	<input type="checkbox"/>	YES (PLEASE PROVIDE MORE INFO ABOVE)	<input checked="" type="checkbox"/>	No
<input type="checkbox"/>	YES (PLEASE PROVIDE MORE INFO ABOVE)				
<input checked="" type="checkbox"/>	No				
<input checked="" type="checkbox"/>	<i>Check box indicating that you are submitting plans of the proposed solar project.</i>				
<input checked="" type="checkbox"/>	<i>Check box indicating that you are submitting photographs of the existing roofing.</i>				
ROOF MATERIAL (e.g. asphalt shingle, slate, clay tile, etc):	SHINGLE				
NUMBER OF SOLAR POWERED PANELS:	12				
SOLAR MANUFACTURER:	ELIN ENERGY				
LOCATION OF SOLAR POWERED PANELS (e.g. north side of roof):	GARAGE				
LOCATION OF MAIN SERVICE PANEL & METER (e.g. rear of building):	BACK OF HOUSE				
LOCATION OF OTHER ELECTRICAL COMPONENTS (e.g. rear of building):	BACK OF HOUSE				
LOCATION OF CONDUIT (e.g. side of building, inside the house):	RUNNING THROUGH GARAGE				
PROPOSED COLOR OF CONDUIT (e.g. silver, same as house):					

To Whom It May Concern:

Regarding: 65 Bellevue Ave Springfield MA 01108

I approve of Sunrun to attend the Historical meeting on my behalf.

Respectfully,

Fatima Bonilla

Printed Name

Signed by:


Signature

4/20/2026

Date Signed

SHEET INDEX	
PAGE #	DESCRIPTION
PV-1.0	COVER SHEET
PV-2.0	SITE PLAN
PV-3.0	LAYOUT
PV-4.0	ELECTRICAL
PV-5.0	SIGNAGE
PV-5.1	SIGNAGE 2

SCOPE OF WORK

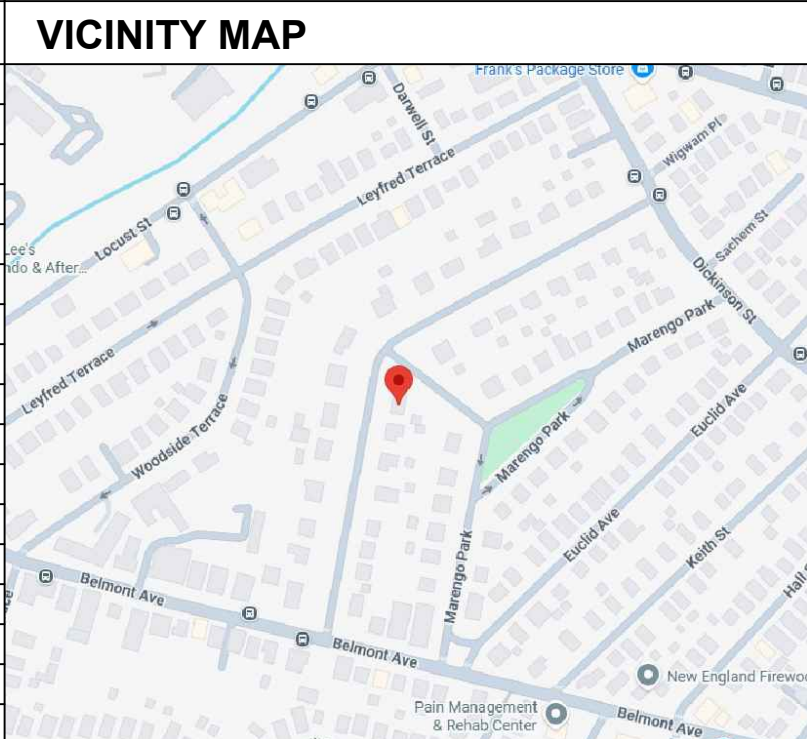
- SYSTEM SIZE: 5.4KW DC, 3.8KW AC
- MODULES: (12) ELIN ENERGY (SIRIUS PV): ELNSM54M-HC-N-450
- INVERTERS: (1) SOLAREEDGE TECHNOLOGIES: SE3800H-USMN
- RACKING: ALPHATRACK TO FRAMING - SNR-DC-00370
- TRENCHING REQUIRED: DC WIRE TO BE TRENCHED 28 FT IN DIRT MATERIAL.

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH MA 10TH ED. CMR 780 (2021 IRC/IBC/IEBC), 7-16 ASCE & 2018 NDS, 2023 NEC AND 2023 MA ELECTRICAL CODE 527 CMR 12.00 (2023 NFPA 70 WITH MA AMENDMENTS), MUNICIPAL CODE, AND ALL MANUFACTURERS' LISTINGS AND INSTALLATION INSTRUCTIONS.
- PHOTOVOLTAIC SYSTEM WILL COMPLY WITH NEC 2023.
- ELECTRICAL SYSTEM GROUNDING WILL COMPLY WITH NEC 2023.
- PHOTOVOLTAIC SYSTEM IS UNGROUNDED. NO CONDUCTORS ARE SOLIDLY GROUNDED IN THE INVERTER. SYSTEM COMPLIES WITH 690.41(A)
- MODULES CONFORM TO AND ARE LISTED UNDER UL 61730.
- INVERTER CONFORMS TO AND IS LISTED UNDER UL 1741.
- RACKING CONFORMS TO AND IS LISTED UNDER UL 2703.
- SNAPRACK RACKING SYSTEMS, IN COMBINATION WITH TYPE I, OR TYPE II MODULES, ARE CLASS A FIRE RATED.
- RAPID SHUTDOWN REQUIREMENTS MET WHEN INVERTERS AND ALL CONDUCTORS ARE WITHIN ARRAY BOUNDARIES PER NEC 690.12(1).
- CONSTRUCTION FOREMAN TO PLACE CONDUIT RUN PER 690.31(D).
- ARRAY DC CONDUCTORS ARE SIZED FOR DERATED CURRENT.
- 13.77 AMPS MODULE SHORT CIRCUIT CURRENT.
- 17.21 AMPS DERATED SHORT CIRCUIT CURRENT [690.8 (a) & 690.8 (b)].
- PV INSTALLATION COMPLIES WITH THE NEC 2023 ARTICLE 690.12(B)(2)(2). CONTROLLED CONDUCTORS LOCATED INSIDE THE ARRAY BOUNDARY ARE LIMITED TO 80 VOLTS WITHIN 30 SECOND OF A RAPID SHUTDOWN INITIATION

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFC	ARC FAULT CIRCUIT INTERRUPTER
AZIM	AZIMUTH
COMP	COMPOSITION
DC	DIRECT CURRENT
(E)	EXISTING
ESS	ENERGY STORAGE SYSTEM
MSP	MAIN SERVICE PANEL
(N)	NEW
PRE-FAB	PRE-FABRICATED
PSF	POUNDS PER SQUARE FOOT
PV	PHOTOVOLTAIC
RSD	RAPID SHUTDOWN DEVICE
TL	TRANSFORMERLESS
V	VOLTS
W	WATTS



SUNRUN

#180120

734 FOREST STREET #400, MARLBOROUGH, MA 01752
PHONE 888.657.6527
FAX 805.528.9701

CUSTOMER RESIDENCE:
FATIMA BONILLA
65 BELLEVUE AVE,
SPRINGFIELD, MA, 01108

TEL. (857) 334-9068
APN: SPRI-001225-000000-000060

PROJECT NUMBER:
221R-065BONI

DESIGNER: (415) 580-6920 ex3
RIA CAPISTRANO

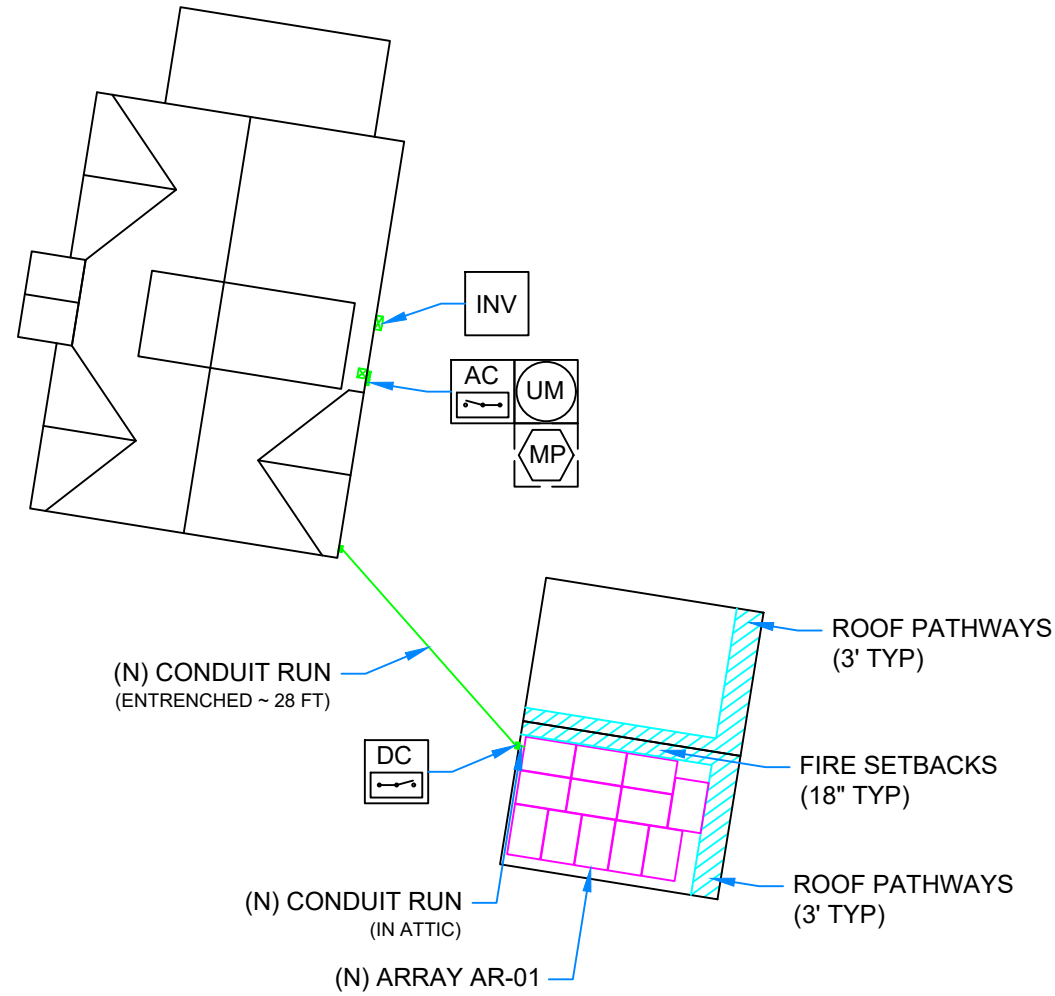
SHEET
COVER SHEET

REV: A 3/24/2026

PAGE
PV-1.0

REV	NAME	DATE	COMMENTS

SITE PLAN - SCALE = 3/64" = 1'-0"



	ARRAY PITCH	TRUE AZIM	MAG AZIM	PV AREA (SQFT)
AR-01	40°	190°	204°	252.27

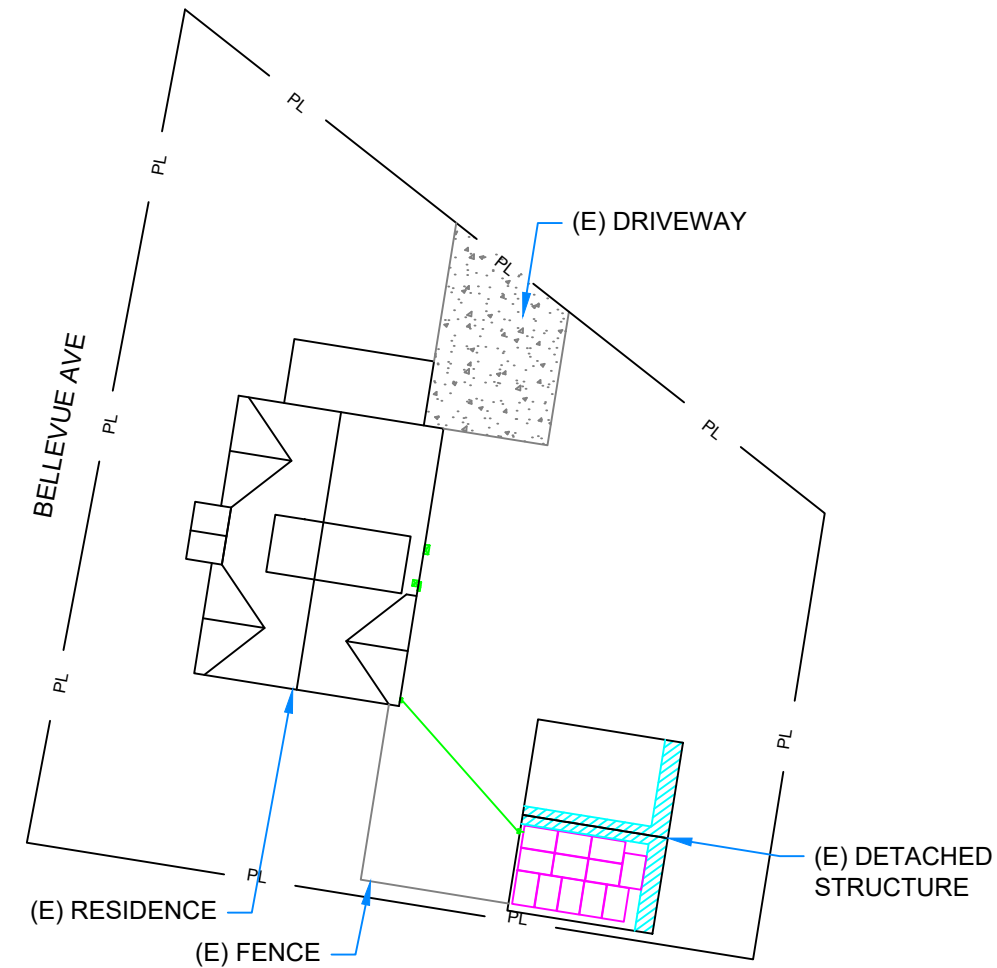
NOTES:

- RESIDENCE DOES NOT CONTAIN ACTIVE FIRE SPRINKLERS.

ARRAY DETAILS:

- TOTAL ROOF SURFACE AREA: 2036 SQ FT.
- TOTAL PV ARRAY AREA: 252.3 SQ FT.
- PERCENTAGE PV COVERAGE:
(TOTAL PV ARRAY AREA/TOTAL ROOF SURFACE AREA) * 100 = 12.4%

SITE PLAN DETAIL - SCALE = 1/32" = 1'-0"



SUNRUN

#180120

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RIA CAPISTRANO

SHEET
SITE PLAN

REV: A 3/24/2026

PAGE
PV-2.0

LEGEND SCALE: NTS
NOTE: NOT ALL ITEMS IN LEGEND WILL APPEAR IN SITE PLAN

- UTILITY METER
- MAIN PANEL
- SUB-PANEL

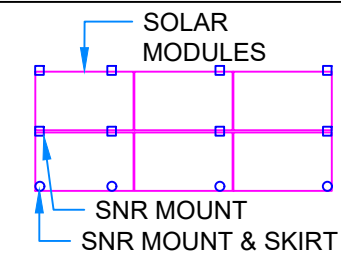
- REMOTE DISCONNECT SWITCH
- AC DISCONNECT(S)
- DC DISCONNECT(S)
- DEDICATED PV METER

- INVERTER(S)
- GENERATION PANEL
- PV LOAD CENTER

- BACKUP LOADS PANEL
- BATTERY
- ENERGY STORAGE SYSTEM (ESS)

- MICROGRID INTERCONNECT DEVICE
- METER ADAPTER
- METER ADAPTER CONTROLLER

- INTERIOR EQUIPMENT SHOWN AS DASHED
- FRANKLIN APBOX
- IQ COMBINER BOX



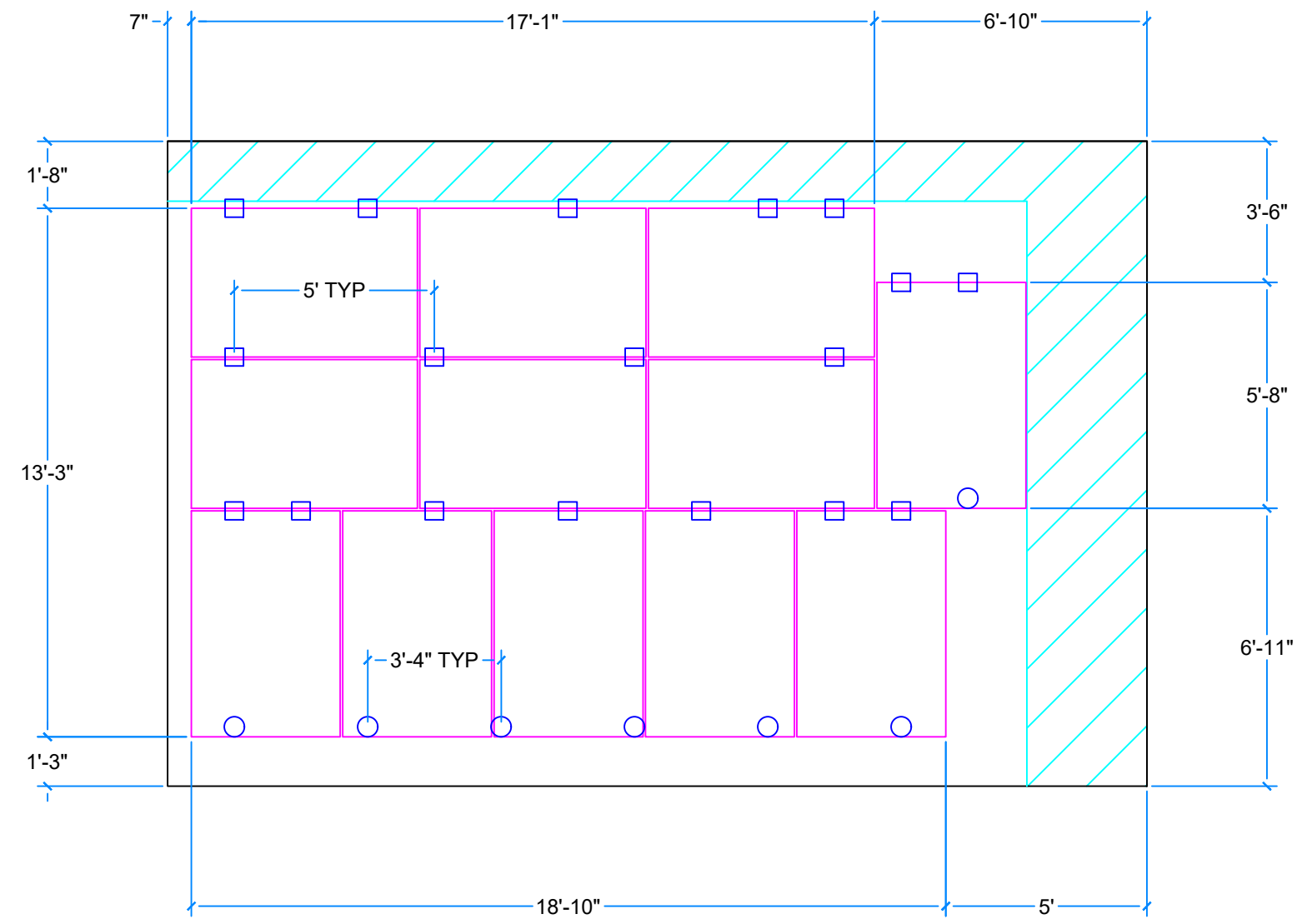
ROOF INFO			FRAMING INFO			ATTACHMENT INFORMATION					
Name	Type	Height	Type	Max Span	OC Spacing	Detail	Max Landscape OC Spacing	Max Landscape Overhang	Max Portrait OC Spacing	Max Portrait Overhang	Configuration
AR-01	COMP SHINGLE - ALPHATRACK	2-STORY	TRUE CUT 2X6 RAFTERS	11'-2"	20"	ALPHATRACK TO FRAMING - SNR-DC-00370	5'-0"	2'-0"	3'-4"	1'-8"	STAGGERED

DESIGN CRITERIA
MAX DISTRIBUTED LOAD: 3 PSF
SNOW LOAD: 35 PSF
WIND SPEED: 115 MPH 3-SEC GUST.
FASTENERS:
 (1) 5/16" DIA S.S. LAG SCREW:
 2.5" MIN EMBEDMENT INTO FRAMING



Exp. 12/31/2026
 Digitally Signed On: 03/26/2026

D1 - AR-01 - SCALE: 1/4" = 1'-0"
AZIM: 190°
PITCH: 40°



STRUCTURAL NOTES

- INSTALLERS SHALL NOTIFY ENGINEER OF ANY POTENTIAL STRUCTURAL ISSUES OBSERVED PRIOR TO PROCEEDING W/ INSTALLATION.
- IF ARRAY (EXCLUDING SKIRT) IS WITHIN 12" (48" FOR TILT KITS) BOUNDARY REGION OF ANY ROOF PLANE EDGES (EXCEPT VALLEYS), THEN ATTACHMENTS NEED TO BE ADDED

AND OVERHANG REDUCED WITHIN THE 12" (48" FOR TILT KITS) BOUNDARY REGION ONLY AS FOLLOWS:
 •• ALLOWABLE ATTACHMENT SPACING INDICATED ON PLANS TO BE REDUCED BY 50%.
 •• ALLOWABLE OVERHANG INDICATED ON PLANS TO BE 1/5TH OF ALLOWABLE ATTACHMENT SPACING INDICATED ON PLANS.



#180120
 734 FOREST STREET #400, MARLBOROUGH, MA 01752
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 FAX 805.528.9701

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 FATIMA BONILLA
 65 BELLEVUE AVE,
 SPRINGFIELD, MA, 01108

TEL. (857) 334-9068
 APN: SPRI-001225-000000-000060

PROJECT NUMBER:
 221R-065BONI

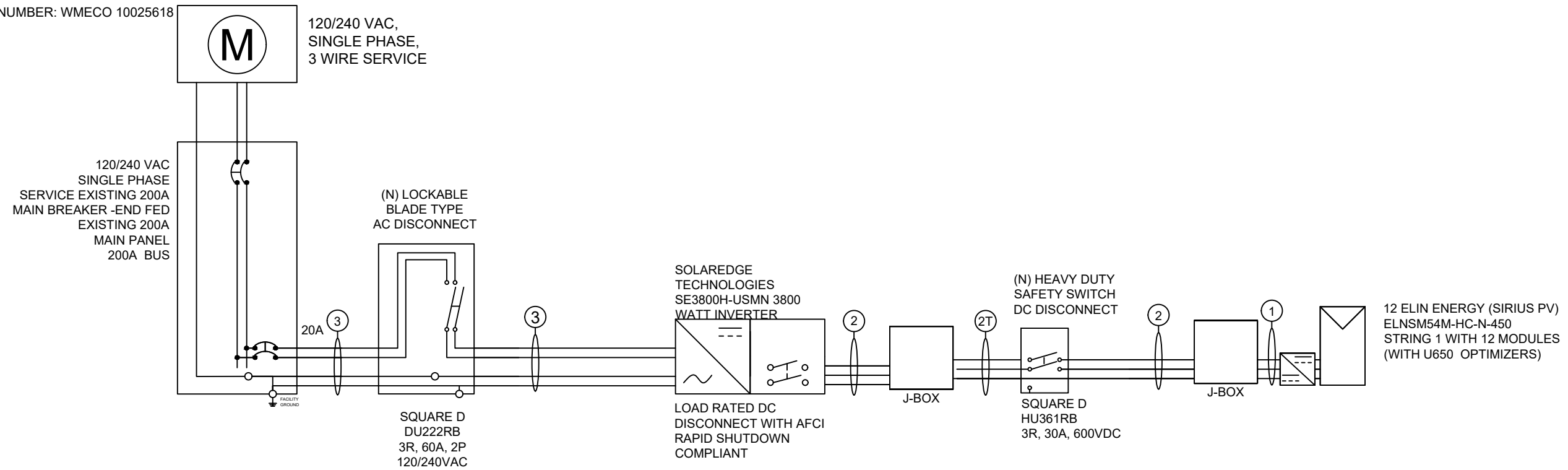
DESIGNER: (415) 580-6920 ex3
 RIA CAPISTRANO

SHEET
 LAYOUT

REV: A 3/24/2026

PAGE
 PV-3.0

METER NUMBER: WMECO 10025618



- POINT OF INTERCONNECTION: NEC 2023 705.12(B)(2), LOAD BREAKER AT OPPOSITE END OF BUSBAR
- EQUIPMENT CHARACTERISTICS INCLUDED IN SPEC SHEETS
- NOTE: TOTAL SYSTEM BACKFEED = 20.0A USED FOR INTERCONNECTION CALCULATIONS

CONDUIT SCHEDULE

TAG	CIRCUIT DESCRIPTION	CONDUCTOR	NEUTRAL	GROUND	CONDUIT
1	Inverter Input	(2) 10 AWG (PV WIRE)	N/A	6 AWG (BARE)	Open Air
2	Inverter Input	(2) 10 AWG THHN/THWN-2	N/A	8 AWG THHN/THWN-2	3/4 EMT
2T	Inverter Input	(2) 10 AWG THHN/THWN-2	N/A	8 AWG THHN/THWN-2	1" SCH 40 PVC (BELOW GROUND) 1" SCH 80 PVC (ABOVE GROUND)
3	Inverter Output	(2) 10 AWG THHN/THWN-2	(1) 10 AWG THHN/THWN-2	8 AWG THHN/THWN-2	3/4 EMT



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APN: SPRI-001225-000000-000060

PROJECT NUMBER:
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DESIGNER: (415) 580-6920 ex3
RIA CAPISTRANO

SHEET
ELECTRICAL

REV: A 3/24/2026

PAGE
PV-4.0

! WARNING
ELECTRICAL SHOCK HAZARD

TERMINALS ON LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL LOCATION:
INVERTER(S), AC/DC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE).
PER CODE(S): NEC 2023: 690.13(B), 705.20(7), 706.15(C)

! WARNING
DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM

LABEL LOCATION:
UTILITY SERVICE METER AND MAIN SERVICE PANEL.
PER CODE(S): NEC 2023: 705.10

! WARNING
POWER SOURCE OUTPUT CONNECTION

DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL LOCATION:
ADJACENT TO PV BREAKER AND ESS OCPD (IF APPLICABLE).
PER CODE(S): NEC 2023: 705.12(B)(2)

INVERTER 1

PHOTOVOLTAIC DC DISCONNECT

MAXIMUM SYSTEM VOLTAGE: 480 VDC

LABEL LOCATION:
INVERTER(S), DC DISCONNECT(S).
PER CODE(S): NEC 2023: 690.7(D)

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL LOCATION:
INSTALLED WITHIN 3' OF RAPID SHUT DOWN SWITCH PER CODE(S): NEC 2023: 690.12(D)(2), IFC 2021: 1204.5.3

WARNING: PHOTOVOLTAIC POWER SOURCE

LABEL LOCATION:
INTERIOR AND EXTERIOR DC CONDUIT EVERY 10 FT, AT EACH TURN, ABOVE AND BELOW PENETRATIONS, ON EVERY JB/PULL BOX CONTAINING DC CIRCUITS.
PER CODE(S): NEC 2023: 690.31(D)(2)

NOTES AND SPECIFICATIONS:

- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE NEC 2023 ARTICLE 110.21(B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
- SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
- LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
- LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
- DO NOT COVER EXISTING MANUFACTURER LABELS.

Emergency responders, for 24 hour emergency service call:
1.833.607.6937 ext. 0

For customer questions or service issues, call our Customer Care team at:
1.855.478.6786

For customers in case of emergency, call:
911

This solar PV system is owned and operated by:
SUNRUN

*Prior authorization from Sunrun is required for any maintenance/service activity.HIC 180120

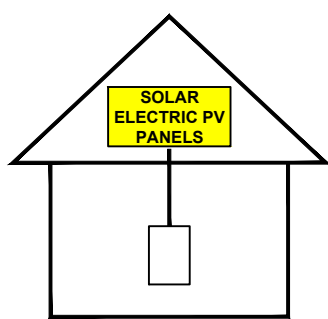
LABEL LOCATION:
MAIN SERVICE DISCONNECT

4"

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

3"

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN THE ARRAY.



SOLAR ELECTRIC PV PANELS

LABEL LOCATION:
ON OR NO MORE THAT 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED.
PER CODE(S): NEC 2023: 690.12(D)

SUNRUN

#180120

734 FOREST STREET #400, MARLBOROUGH, MA 01752
PHONE 888.657.6527
FAX 805.528.9701

CUSTOMER RESIDENCE:
FATIMA BONILLA
65 BELLEVUE AVE,
SPRINGFIELD, MA, 01108

TEL. (857) 334-9068
APN: SPRI-001225-000000-000060

PROJECT NUMBER:
221R-065BONI

DESIGNER: (415) 580-6920 ex3
RIA CAPISTRANO

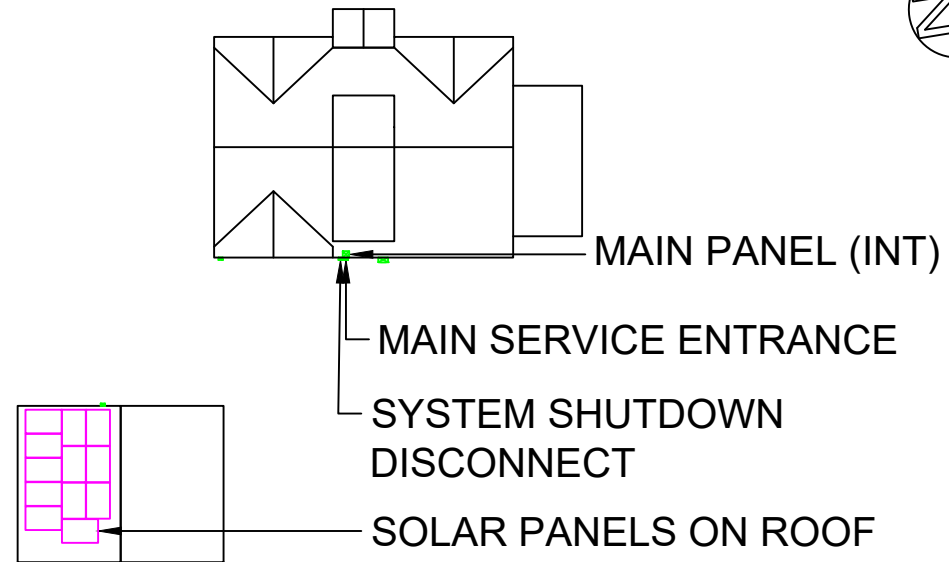
SHEET
SIGNAGE

REV: A 3/24/2026

PAGE
PV-5.0

CAUTION:

MULTIPLE SOURCES OF POWER



65 BELLEVUE AVE, SPRINGFIELD, MA, 01108

PER CODE(S): NEC 2023: 705.10, 710.10

LABELING FORMAT

LABELS SHALL BE RED PLASTIC MATERIAL WITH ENGRAVED WHITE LETTERS MADE OF DURABLE ADHESIVE, WEATHER RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT. LETTERS SHALL BE MINIMUM 3/8" IN SIZE.

SUNRUN

#180120

734 FOREST STREET #400, MARLBOROUGH, MA 01752
PHONE 888.657.6527
FAX 805.528.9701

CUSTOMER RESIDENCE:
FATIMA BONILLA
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TEL. (857) 334-9068
APN: SPRI-001225-000000-000060

PROJECT NUMBER:
221R-065BONI

DESIGNER: (415) 580-6920 ex3
RIA CAPISTRANO

SHEET
SIGNAGE 2

REV: A 3/24/2026

PAGE
PV-5.1

DESCRIPTION:
SNAPNRACK, TDS, ALPHATRACK (USA)

DOC NUMBER:
 SNR-DC-01452

SnapNrack®

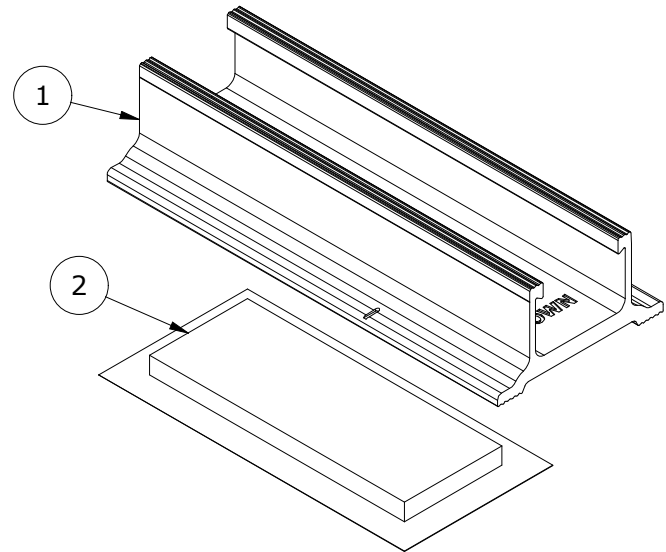
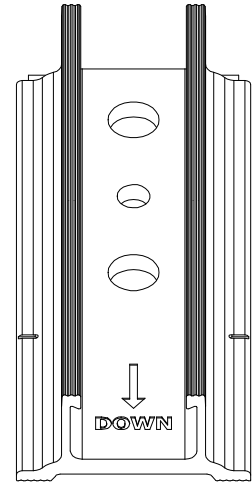
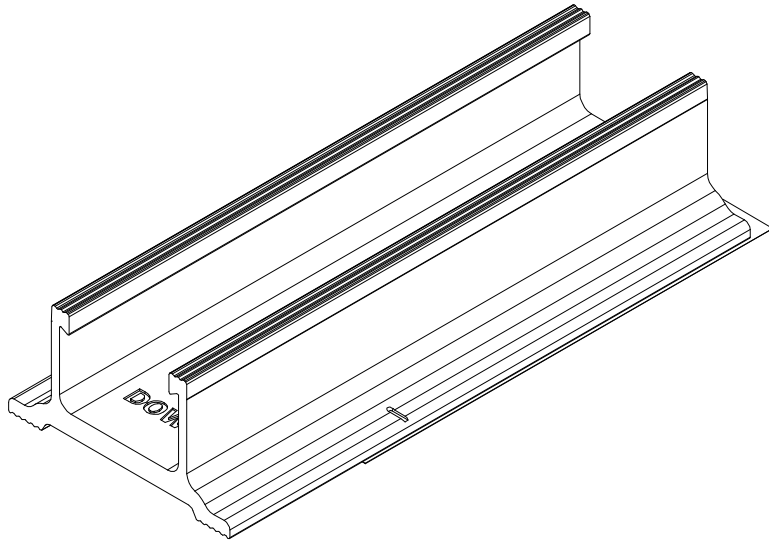
PART NUMBER(S):
 242-10063-USA

DRAWN BY:
 H.WULFEKOETTER

REV: **A** DATE:
 11/21/2024

SNR SOLAR LLC
 775 FIERO LANE, SUITE 200
 SAN LUIS OBISPO, CA 93401 USA
 EMAIL: CONTACT@SNAPNRACK.COM
THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SNR SOLAR LLC.

UNITS: IN, LB, DEG [MM, KG, DEG] SHEET: 1:2



PARTS LIST

ITEM	QTY	DESCRIPTION
1	1	SNAPNRACK, ALPHATRACK, MILL
2	1	SNAPNRACK, BUTYL PAD, 3.75IN X 1.50IN X .25IN

MATERIALS: 6000 SERIES ALUMINUM, BUTYL

DESIGN LOAD (LBS): VARIES, REFER TO SNAPNRACK ENGINEERING

ULTIMATE LOAD (LBS): VARIES, REFER TO SNAPNRACK ENGINEERING

TORQUE SPECIFICATION: N/A FT-LBS

CERTIFICATION: UL 2703, FILE E359313, DOMESTIC CONTENT COMPLIANT

WEIGHT (LBS): 0.43

DESCRIPTION:
SNAPNRACK, TDS, ALPHATRACK (USA)

DOC NUMBER:
SNR-DC-01452

SnapNrack®

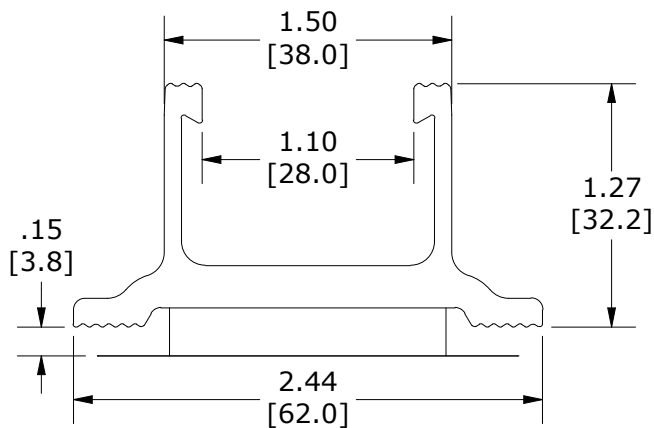
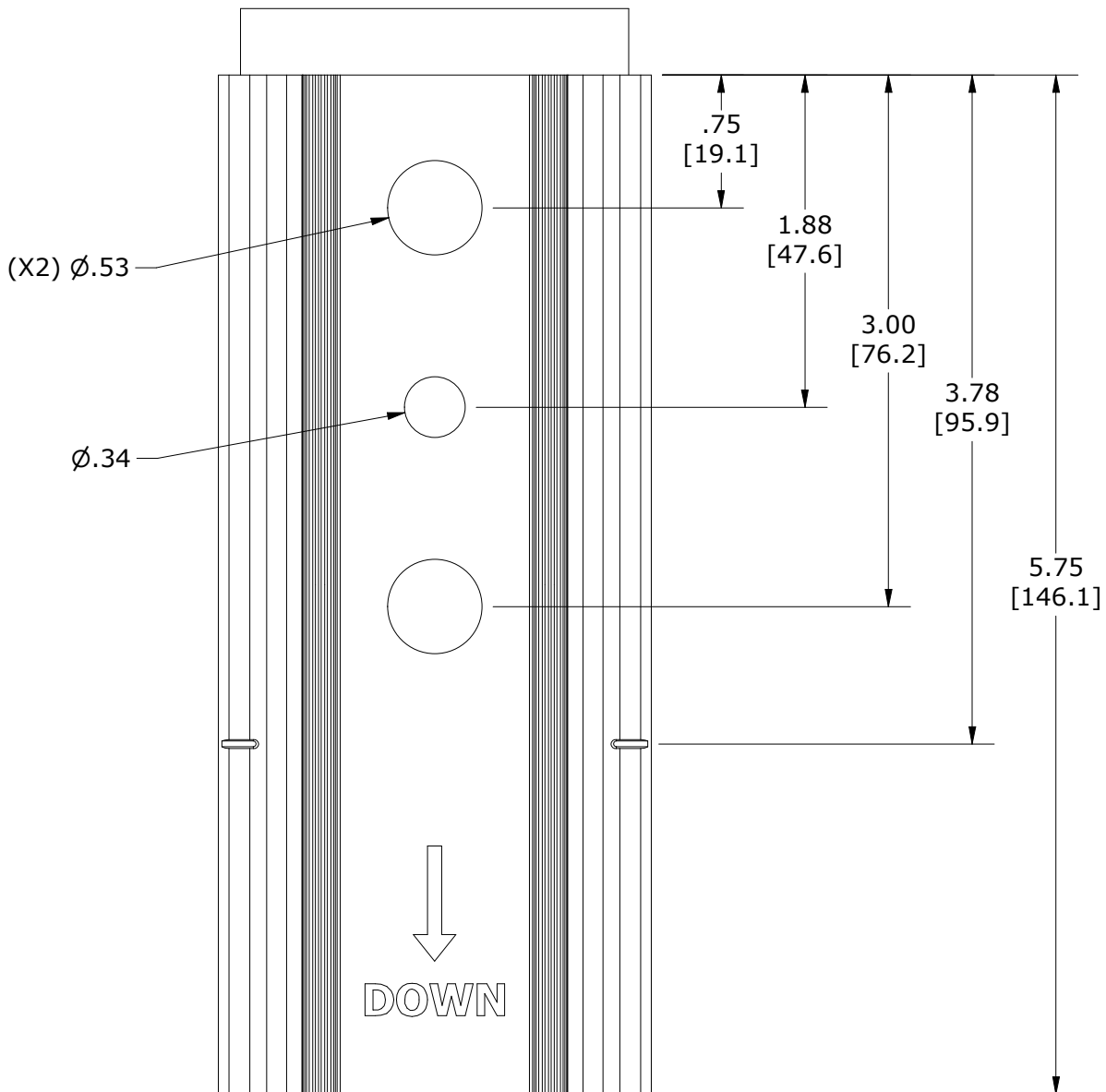
PART NUMBER(S):
242-10063-USA

DRAWN BY:
H.WULFEKOETTER

REV: **A** DATE:
11/21/2024

SNR SOLAR LLC
775 FIERO LANE, SUITE 200
SAN LUIS OBISPO, CA 93401 USA
EMAIL: CONTACT@SNAPNRACK.COM
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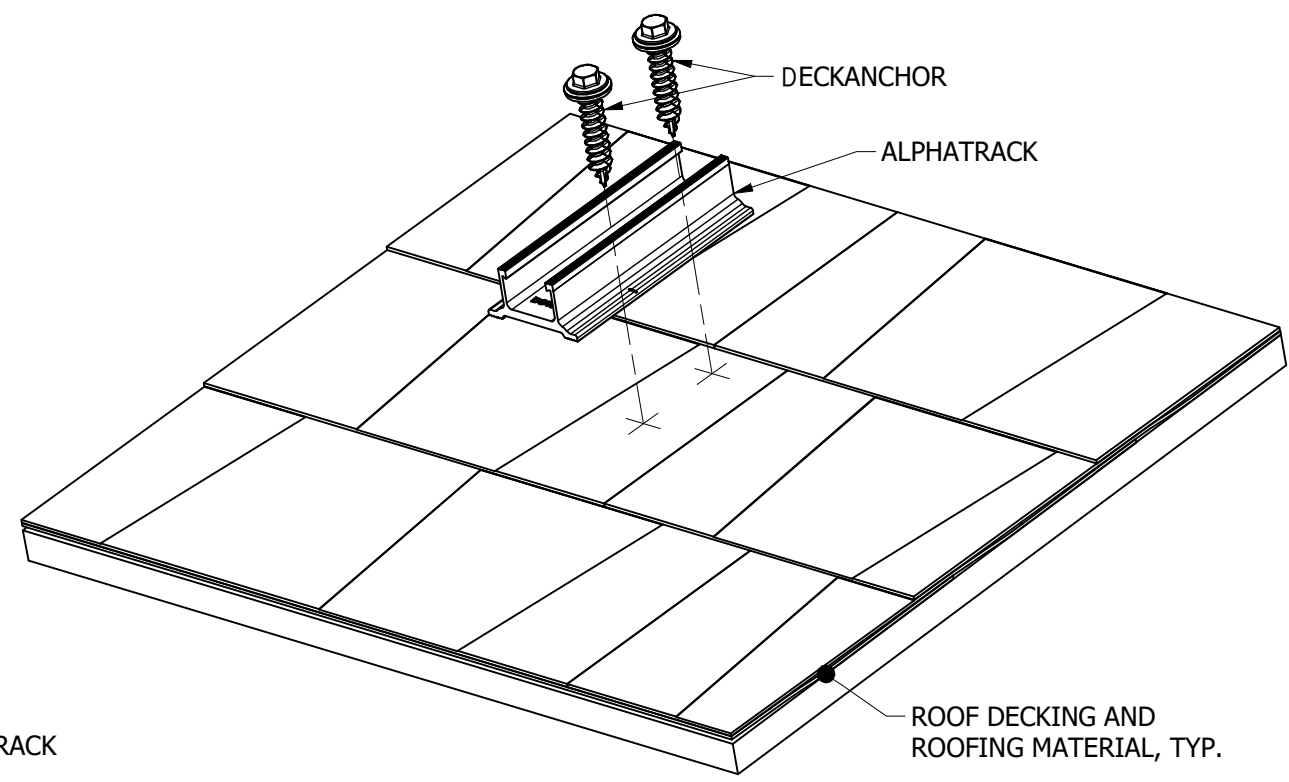
UNITS: IN, LB, DEG [MM, KG, DEG] SHEET: 2:2



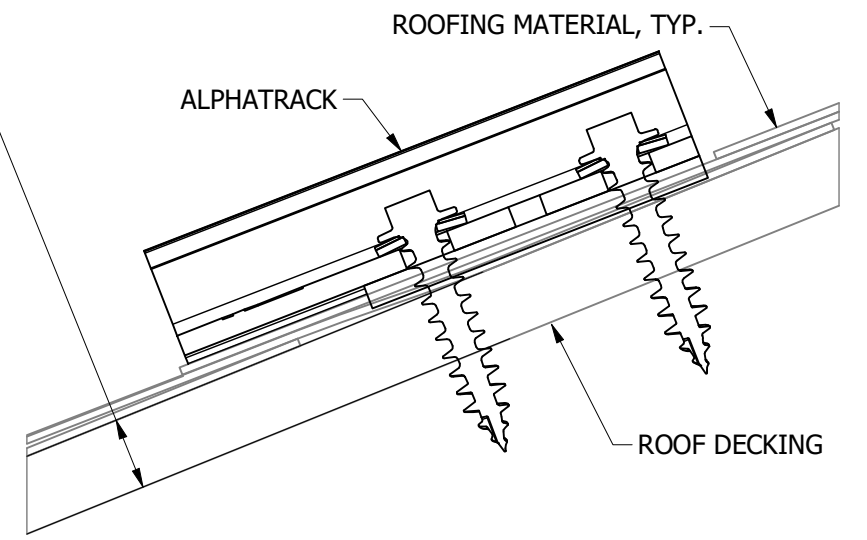
FOR SNAPRACK ENGINEERING TO APPLY, THE EMBEDMENT CRITERIA SHOWN HEREIN MUST BE MET (IF CRITERIA CANNOT BE MET OR SPANS ARE NOT SUFFICIENT, CONTACT SNAPRACK FOR SUPPORT).

REFER TO SNAPRACK INSTALLATION MANUAL FOR $\frac{5}{16}$ " \varnothing HARDWARE TORQUE SPECIFICATIONS. REFER TO MANUFACTURER SPECIFICATIONS FOR OTHER FASTENER TORQUE REQUIREMENTS.

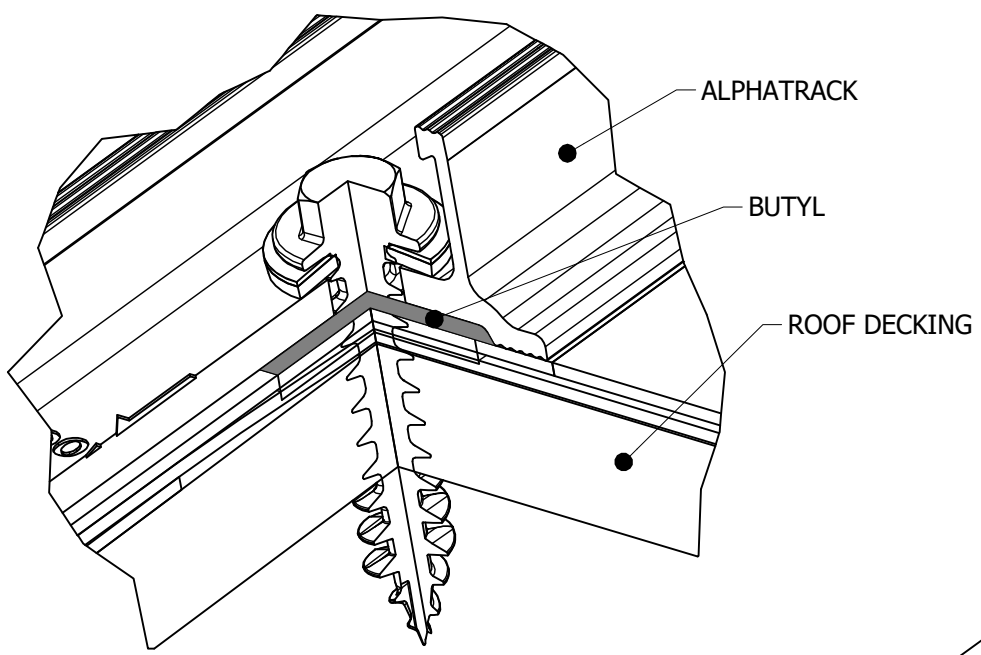
REVISION:		
A	8/9/2024	DC004258 MKW
A	9/16/2024	DC004258 MKW



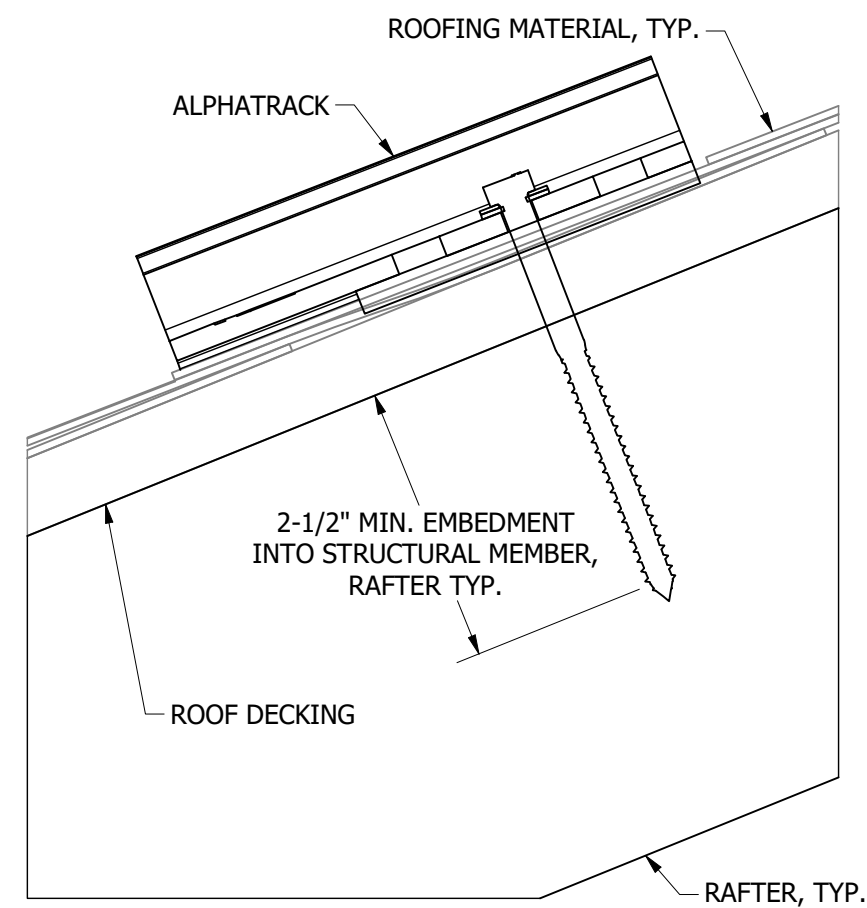
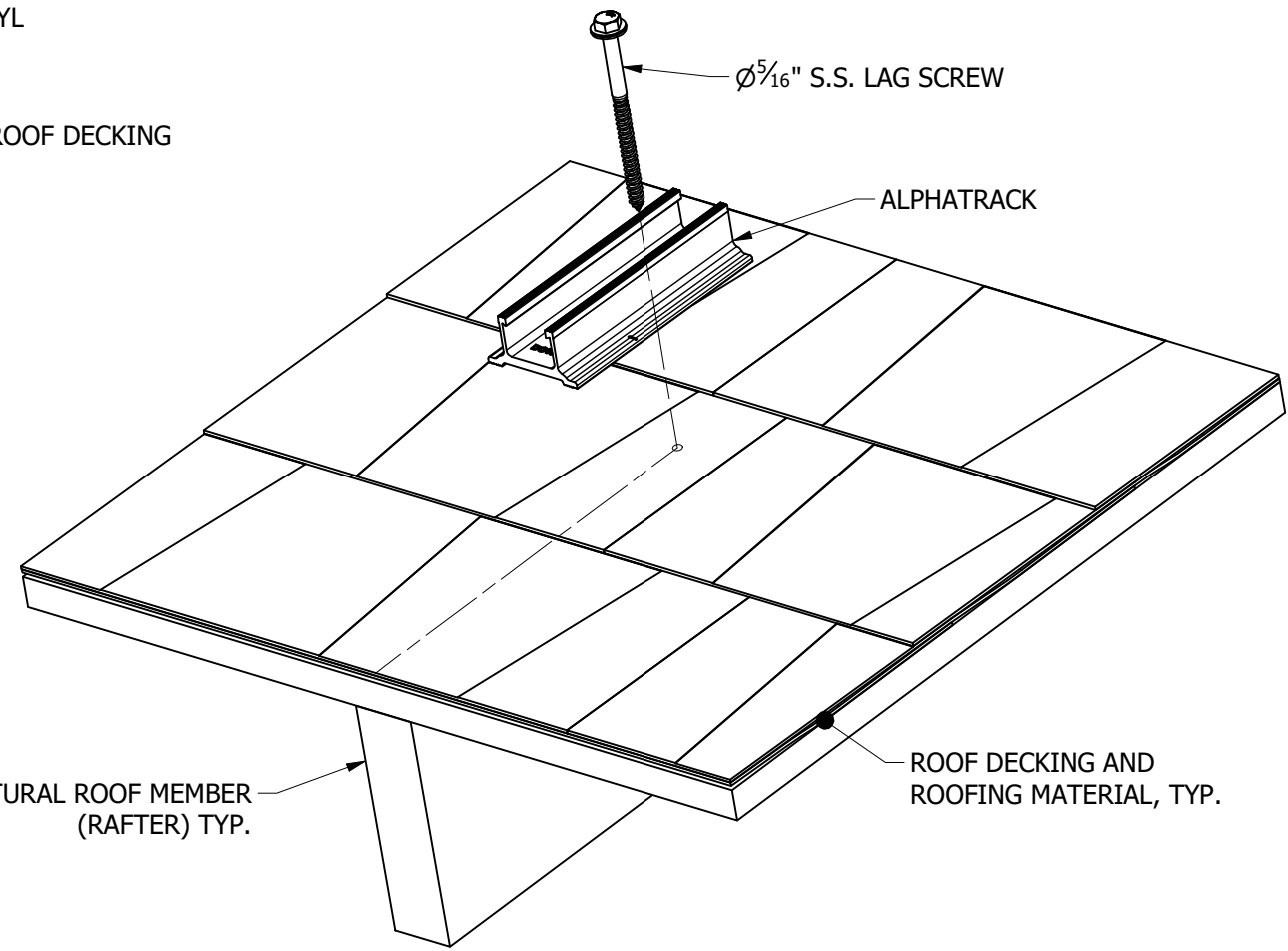
MINIMUM DECK THICKNESS:
 PLYWOOD: 15/32"
 OSB: 7/16"



COMPLETED DECK INSTALLATION



BUTYL DETAIL
(DECKANCHOR SHOWN)



COMPLETED RAFTER INSTALLATION



Sunrun South LLC
 595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
 PHONE (415) 580-6900 • FAX (415) 580-6902
 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC.

DESIGNER: M.WATKINS
 DRAFTER: M.WATKINS
 APPROVED BY: M.AFFENTRANGER

SCALE: NTS
 DATE: 9/16/2024

DRAWING NUMBER:
 SNR-DC-00370

DESCRIPTION: TOPSPEED UNIVERSAL, ATTACHMENT DETAIL, ALPHATRACK

REV: A



67 ft

68

68 ft

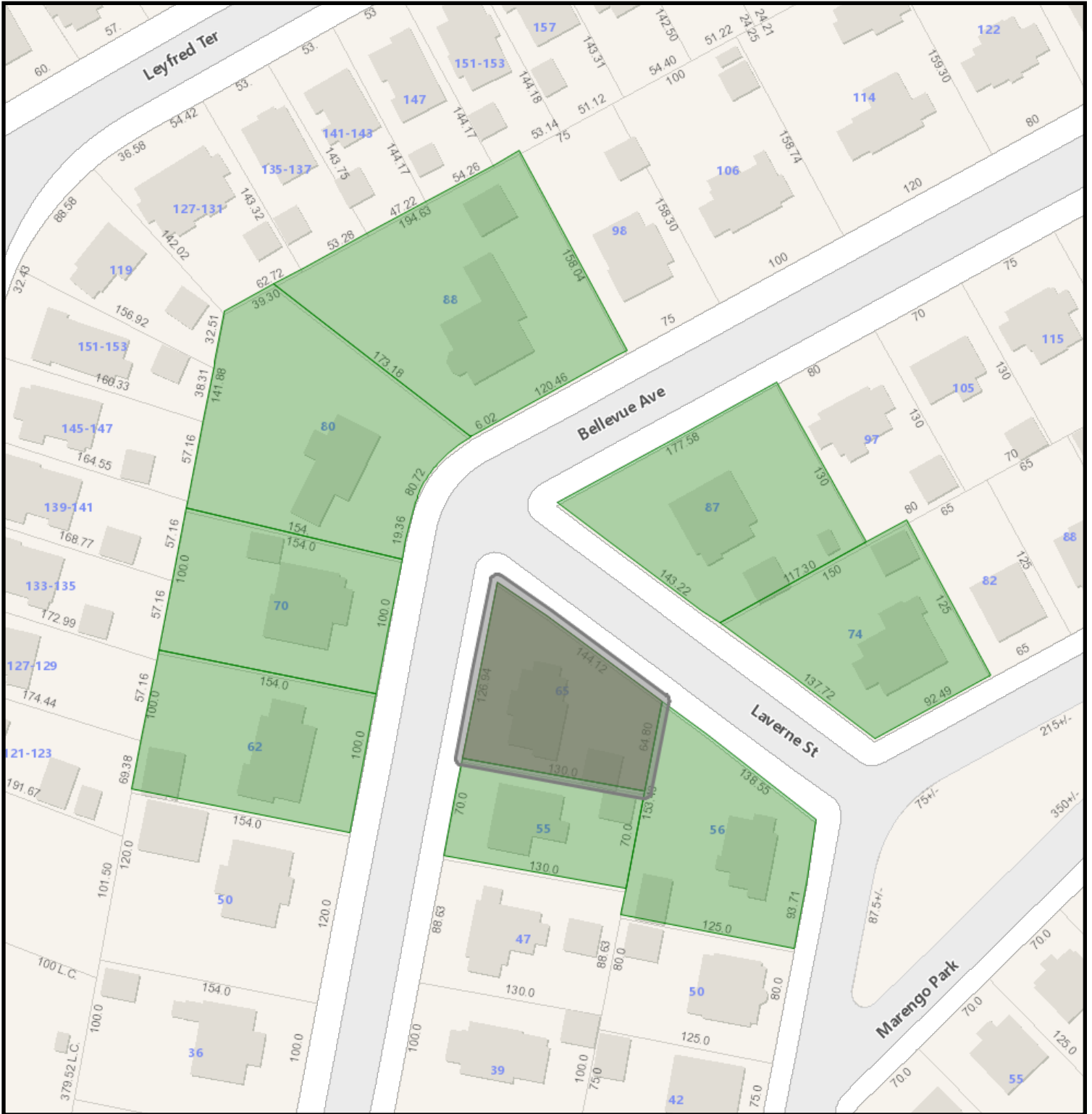
80 ft

28ft

78 ft

78 ft

78 ft

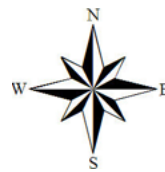


65 Bellevue Avenue GIS

4/21/2026 12:44:41 PM

Scale: 1"=100'

Scale is approximate



GIS information is provided on these Web Pages as a public resource for general information purposes only. It is used to locate, identify and inventory parcels of land in the City of Springfield for general purposes only and is NOT to be construed or used as a "legal description." Map and parcel information is believed to be accurate but accuracy is not guaranteed. No portion of the information should be considered to be, or used as, a legal document. The information is provided subject to the express condition that the user knowingly waives any and all claims for damages against the City of Springfield that may arise from the use of this data. Information provided on these Web Pages should be verified with the appropriate City department, and reviewed and approved by an attorney or other qualified professional prior to its use for any purpose with potential legal consequences.

012250058
BOGIN JOSHUA P & AMY
87 BELLEVUE AVE
SPRINGFIELD, MA 01108

012250060
BONILLA FELICIANO &
15 WELLINGTON ST
SPRINGFIELD, MA 01109

012250062
GAMBLE BRANDI
55 BELLEVUE AVE
SPRINGFIELD, MA 01108

082500012
LUCIA EVELYN V
74 MARENGO PK
SPRINGFIELD, MA 01108

012250014
PLEET DAVID L &
70 BELLEVUE AVE
SPRINGFIELD, MA 01108

012250012
ROSARIO NOEL & JORGE
62 BELLEVUE AVE
SPRINGFIELD, MA 01108

082500010
SON MANNY NGOC &
56 MARENGO PARK
SPRINGFIELD, MA 01108

012250018
THOMPSON CHAD & PHYLLIS
80 BELLEVUE AVE
SPRINGFIELD, MA 01108

012250022
WHEELER SARAH
88 BELLEVUE AVE
SPRINGFIELD, MA 01108

3/26/2026 03:48 AM

Subject: Structural Certification for Proposed Residential Solar Installation.
 Job Number: 221R-065BONI; Rev A
 Client: Fatima Bonilla
 Address: 65 Bellevue Ave, Springfield, MA 01108



SUNRUN

Attn: To Whom It May Concern

Exp. 12/31/2026
 Digitally Signed On: 03/26/2026

A field observation of the existing structure at the address indicated above was performed. Structural evaluation of the loading was based on the site observations and the design criteria listed below.

Design Criteria:

- MA 10TH ED. CMR 780 (2021 IRC/IBC/IEBC), 7-16 ASCE & 2018 NDS
- Basic (Category II) Wind Speed V=115 mph, Exposure B
- Ground Snow Load = 35 psf, Min Flat Roof Snow Load = 35 psf

Based on this evaluation, I certify that the alteration to the existing structure by the installation of the PV system meets the requirements of the applicable existing and/or new building code provisions referenced above. Additionally, I certify that the PV module assembly including all attachments supporting it have been reviewed to be in accordance with the manufacturer's specifications.

Results Summary (Hardware Check Includes Uplift Check on Attachments/Fastener, Structure Check Considers Main Structure)					
	Orientation	Attachment Spacing/Cantilever	Configuration	Max DCR	Result
AR-01	Landscape	60 / 24	Staggered	38%	Pass
	Portrait	40 / 20	Staggered	43%	Pass
	Roofing Material		Pitch		Structure Check
	Comp Shingle		40°		Pass

Single Phase Energy Hub Inverter with Prism Technology

For North America

SE3000H-US / SE3800H-US / SE6000H-US / SE7600H-US /
SE10000H-US / SE11400H-US⁽¹⁾



Optimized battery storage with HD-Wave technology

- Record-breaking 99% weighted efficiency with 200% DC oversizing
- Small, lightweight, and easy to install
- Modular design, future ready with optional upgrades to:
 - DC-coupled storage for full or partial home backup
 - Built-in consumption monitoring
 - Direct connection to the SolarEdge smart EV charger
- Multi-inverter, scalable storage solution
 - With enhanced battery power up to 10kW
- Integrated arc fault protection and rapid shutdown for NEC 2014, NEC 2017 and NEC 2020, per article 690.11 and 690.12
- Embedded revenue grade production data, ANSI C12.20 Class 0.5

/ Single Phase Energy Hub Inverter with Prism Technology

For North America

SE3000H-US / SE3800H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US⁽¹⁾

	SE3000H-US	SE3800H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	UNITS
OUTPUT - AC ON GRID							
Rated AC Power	3000	3800 @ 240V 3300 @ 208V	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	W
Maximum AC Power Output	3000	3800 @ 240V 3300 @ 208V	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	W
AC Frequency Range (min - nom - max)	59.3 - 60 - 60.5 ⁽²⁾						Hz
Maximum Continuous Output Current @ 240V	12.5	16	25	32	42	47.5	A
Maximum Continuous Output Current @ 208V	-	16	24	-	-	48.5	A
GFDI Threshold	1						A
Total Harmonic Distortion (THD)	<3						%
Power Factor	1, adjustable -0.85 to 0.85						
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes						
Charge Battery from AC (if allowed)	Yes						
Typical Nighttime Power Consumption	<2.5						W
OUTPUT - AC BACKUP⁽³⁾							
Rated AC Power in Backup Operation ⁽⁴⁾	3000	3800 7600*	6000	7600 10300*	10000	10300	W
AC L-L Output Voltage Range in Backup	211 - 264						Vac
AC L-N Output Voltage Range in Backup	105 - 132						Vac
AC Frequency Range in Backup (min - nom - max)	55 - 60 - 65						Hz
Maximum Continuous Output Current in Backup Operation	12.5	16 32*	25	32 43*	42	43	A
GFDI	1						A
THD	<5						%
OUTPUT - SMART EV CHARGER AC							
Rated AC Power	9600						W
AC Output Voltage Range	211 - 264						Vac
On-Grid AC Frequency Range (min - nom - max)	59.3 - 60 - 60.5						Hz
Maximum Continuous Output Current @240V (grid, PV and battery)	40						Aac
INPUT - DC (PV AND BATTERY)							
Transformer-less, Ungrounded	Yes						
Max Input Voltage	480						Vdc
Nom DC Input Voltage	380						Vdc
Reverse-Polarity Protection	Yes						
Ground-Fault Isolation Detection	600kΩ Sensitivity						
INPUT - DC (PV)							
Maximum DC Power @ 240V	6000	7600 15200*	12000	15200 22800*	22000	22800	W
Maximum DC Power @ 208V	-	6600	10000	-	-	20000	W
Maximum Input Current ⁽⁵⁾ @ 240V	8.5	10.5 20*	16.5	20 31*	27	31	Adc
Maximum Input Current ⁽⁵⁾ @ 208V	-	9	13.5	-	-	27	Adc
Max. Input Short Circuit Current	45						Adc
Maximum Inverter Efficiency	99	99.2					%
CEC Weighted Efficiency	99					99 @ 240V 98.5 @ 208V	%
2-pole Disconnection	Yes						

* Supported with PN SExxxxH-USMMxxxxxx or SExxxxH-USMNxxxxxx

(1) These specifications apply to inverters with part numbers SExxxxH-USMMxxxxxx or SExxxxH-USMNxxxxxx and connection unit model number DCD-1PH-US-PxH-F-x

(2) For other regional settings please contact SolarEdge support

(3) Not designed for standalone applications and requires AC for commissioning. Backup functionality is only supported for 240V grid

(4) Rated AC power in Backup Operation are valid for installations with multiple inverters. For a single backup inverter operation, rated AC power in Backup is 90% of the value stated

(5) A higher current source may be used; the inverter will limit its input current to the values stated

/ Single Phase Energy Hub Inverter with Prism Technology

For North America

SE3000H-US / SE3800H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US⁽¹⁾

	SE3000H-US	SE3800H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	UNITS
INPUT - DC (BATTERY)							
Supported Battery Types	SolarEdge Energy Bank, LG RESU Prime ⁽⁶⁾						
Number of Batteries per Inverter	Up to 3 SolarEdge Energy Bank, up to 2 LG RESU Prime						
Continuous Power ⁽⁷⁾	6000	7600	10000				W
Peak Power ⁽⁷⁾	6000	7600	10000				W
Max Input Current	16	20	26.5				Adc
2-pole Disconnection	Yes						
SMART ENERGY CAPABILITIES							
Consumption Metering	Built - in ⁽⁸⁾						
Backup & Battery Storage	With Backup Interface (purchased separately) for service up to 200A; Up to 3 inverters						
EV Charging	Direct connection to Smart EV charger						
ADDITIONAL FEATURES							
Supported Communication Interfaces	RS485, Ethernet, Cellular ⁽⁹⁾ , Wi-Fi (optional), SolarEdge Energy Net (optional)						
Revenue Grade Metering, ANSI C12.20	Built - in ⁽⁸⁾						
Integrated AC, DC and Communication Connection Unit	Yes						
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi Access Point for local connection						
DC Voltage Rapid Shutdown (PV and Battery)	Yes, according to NEC 2014, NEC 2017 and NEC 2020 690.12						
STANDARD COMPLIANCE							
Safety	UL1741, UL1741 SA, UL1741 PCS, UL1699B, UL1998, UL9540, CSA 22.2						
Grid Connection Standards	IEEE1547, Rule 21, Rule 14H						
Emissions	FCC part 15 class B						
INSTALLATION SPECIFICATIONS							
AC Output and EV AC Output Conduit Size / AWG Range	1" maximum / 14-4 AWG						
DC Input (PV and Battery) Conduit Size / AWG Range	1" maximum / 14-6 AWG						
Dimensions with Connection Unit (H x W x D)	17.7 x 14.6 x 6.8 / 450 x 370 x 174		17.7 x 14.6 x 6.8 / 450 x 370 x 174		17.7 x 14.6 x 6.8 / 450 x 370 x 174		in / mm
Weight with Connection Unit	26 / 11.8		26 / 11.8		30.2 / 13.7		lb / kg
Noise	< 25	< 25 < 50*	< 25	< 50			dBA
Cooling	Natural Convection						
Operating Temperature Range	-40 to +140 / -40 to +60 ⁽¹⁰⁾						°F / °C
Protection Rating	NEMA 4						

(6) The part numbers SExxxxH-USxMxxxx only support the SolarEdge Energy Bank. The part numbers SExxxxH-USxNxxxx support both SolarEdge Energy Bank and LG RESU Prime batteries
Requires supporting inverter firmware

(7) Discharge power is limited up to the inverter rated AC power for on-grid and backup applications

(8) For consumption metering current transformers should be ordered separately: SECT-SPL-225A-T-20 or SEACT0750-400NA-20 units per box. Revenue grade metering is only for production metering

(9) Information concerning the Data Plan's terms & conditions is available in the following link:

<https://www.solaredge.com/sites/default/files/se-communication-plan-terms-and-conditions-eng.pdf>

(10) Full power up to at least 50°C / 122°F; for power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf>

Power Optimizer

For North America

P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505

POWER OPTIMIZER



PV power optimization at the module-level

- Specifically designed to work with SolarEdge inverters
- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- Flexible system design for maximum space utilization
- Fast installation with a single bolt
- Next generation maintenance with module-level monitoring
- Meets NEC requirements for arc fault protection (AFCI) and Photovoltaic Rapid Shutdown System (PVRSS)
- Module-level voltage shutdown for installer and firefighter safety

Power Optimizer

For North America

P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505

Optimizer model (typical module compatibility)	P320 (for 60-cell modules)	P340 (for high-power 60-cell modules)	P370 (for higher-power 60 and 72-cell modules)	P400 (for 72 & 96-cell modules)	P401 (for high power 60 and 72 cell modules)	P405 (for high-voltage modules)	P485 (for high-voltage modules)	P505 (for higher current modules)	
INPUT									
Rated Input DC Power ⁽¹⁾	320	340	370	400		405	485	505	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	48		60	80	60	125 ⁽²⁾		83 ⁽²⁾	Vdc
MPPT Operating Range	8 - 48		8 - 60	8 - 80	8-60	12.5 - 105		12.5 - 83	Vdc
Maximum Short Circuit Current (Isc)	11			10.1	11.75	11		14	Adc
Maximum DC Input Current	13.75			12.5	14.65	12.5		17.5	Adc
Maximum Efficiency	99.5								%
Weighted Efficiency	98.8							98.6	%
Overvoltage Category	II								

OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREEDGE INVERTER)

Maximum Output Current	15								Adc
Maximum Output Voltage	60					85			Vdc

OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREEDGE INVERTER OR SOLAREEDGE INVERTER OFF)

Safety Output Voltage per Power Optimizer	1 ± 0.1								Vdc
---	---------	--	--	--	--	--	--	--	-----

STANDARD COMPLIANCE

EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3							
Safety	IEC62109-1 (class II safety), UL1741							
Material	UL94 V-0, UV Resistant							
RoHS	Yes							

INSTALLATION SPECIFICATIONS

Maximum Allowed System Voltage	1000								Vdc	
Compatible inverters	All SolarEdge Single Phase and Three Phase inverters									
Dimensions (W x L x H)	129 x 153 x 27.5 / 5.1 x 6 x 1.1			129 x 153 x 33.5 / 5.1 x 6 x 1.3	129 x 153 x 29.5 / 5.1 x 6 x 1.16	129 x 159 x 49.5 / 5.1 x 6.3 x 1.9		129 x 162 x 59 / 5.1 x 6.4 x 2.3	mm / in	
Weight (including cables)	630 / 1.4			750 / 1.7	655 / 1.5	845 / 1.9		1064 / 2.3	gr / lb	
Input Connector	MC4 ⁽³⁾						Single or dual MC4 ⁽³⁾⁽⁴⁾	MC4 ⁽³⁾		
Input Wire Length	0.16 / 0.52				0.16 or 0.9 / 0.52 or 2.95 ⁽⁵⁾	0.16 / 0.52			m / ft	
Output Wire Type / Connector	Double Insulated / MC4									
Output Wire Length	0.9 / 2.95			1.2 / 3.9						m / ft
Operating Temperature Range ⁽⁶⁾	-40 - +85 / -40 - +185								°C / °F	
Protection Rating	IP68 / NEMA6P									
Relative Humidity	0 - 100								%	

(1) Rated power of the module at STC will not exceed the optimizer "Rated Input DC Power". Modules with up to +5% power tolerance are allowed

(2) NEC 2017 requires max input voltage be not more than 80V

(3) For other connector types please contact SolarEdge

(4) For dual version for parallel connection of two modules use P485-4NMDMRM. In the case of an odd number of PV modules in one string, installing one P485 dual version power optimizer connected to one PV module. When connecting a single module seal the unused input connectors with the supplied pair of seals.

(5) Longer inputs wire length are available for use. For 0.9m input wire length order P401-xxxLxxx.

(6) For ambient temperature above +85°C / +185°F power de-rating is applied. Refer to Power Optimizers Temperature De-Rating Technical Note for more details.

PV System Design Using a SolarEdge Inverter ⁽⁷⁾⁽⁸⁾	Single Phase HD-Wave	Single phase	Three Phase for 208V grid	Three Phase for 277/480V grid	
Minimum String Length (Power Optimizers)	P320, P340, P370, P400, P401	8	10	18	
	P405, P485, P505	6	8	14	
Maximum String Length (Power Optimizers)		25	25	50 ⁽⁹⁾	
Maximum Power per String	5700 (6000 with SE7600-US - SE11400-US)	5250	6000 ⁽¹⁰⁾	12750 ⁽¹¹⁾	W
Parallel Strings of Different Lengths or Orientations	Yes				

(7) For detailed string sizing information refer to: http://www.solaredge.com/sites/default/files/string_sizing_na.pdf

(8) It is not allowed to mix P405/P485/P505 with P320/P340/P370/P400/P401 in one string

(9) A string with more than 30 optimizers does not meet NEC rapid shutdown requirements; safety voltage will be above the 30V requirement

(10) For 208V grid: it is allowed to install up to 6,500W per string when the maximum power difference between each string is 1,000W

(11) For 277/480V grid: it is allowed to install up to 15,000W per string when the maximum power difference between each string is 2,000W



SIRIUS



powered by **ELiN**

ELNSM54M-HC Series



MBB HC MONOCRYSTALLINE PV MODULE 400-415W



Monofacial Black Series

Sirius redefined the high-efficiency module series by integrating 182mm silicon wafers with multi-busbar and half-cut cell technologies. Sirius panel combined creative technology effectively and extremely improve the module efficiency and power output.

KEY FEATURES



Less mismatch to get more power



Our preselected technology features a zero gap cell layout, resulting in module efficiency up to 21.25%



Less power loss by minimizing the shading impact



Competitive low light performance



Ideal choice for rooftop and commercial scale projects by reduced BOS and improve ROI.



In stringent environment condition :

- Sand, acid, salt and hail stones,
- 5400pa wind load and 5400pa snow load.
- PID FREE

QUALITY SYSTEM



ISO 9001:2015, ISO 14001:2015, ISO 45001: 2018, ISO 27001:2013, ISO 10002:2004

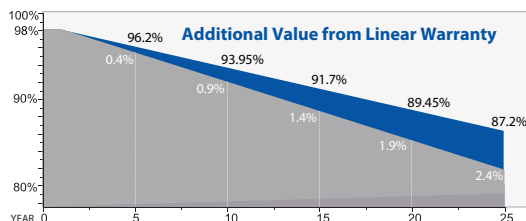
PRODUCT CERTIFICATION



TS EN 61215, TS EN 61730
IEC 61215, IEC 61730, IEC 62804 (PID FREE)
UL 61730-1, UL 61730-2

WARRANTY

Up to **25 YEARS** Guarantee On Product **25 YEARS** Linear Power Output Warranty



* For PERC Monocrystal bifacial MODULES: less than 2.0% in the first year, thereafter less than 0.45% per year, ending with no less than 87.2% in the 25th year after the Warranty Start Date. The actual output power is calculated as follows:
Actual Power Output (Year=1) ≥ Nominal Power * (1 - 2%)
Actual Power Output (Year=N, 2≤N≤25) ≥ Nominal Power *(1 - [2% + 0.45% *(N-1)])





SIRIUS

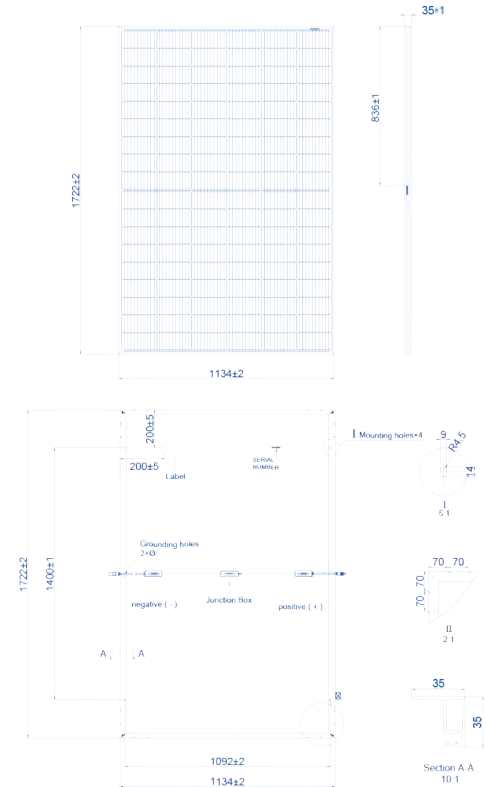


powered by **ELIN**

ELNSM54M-HC Series

ELECTRICAL SPECIFICATIONS

Module Type	ELNSM54M-HC-400W		ELNSM54M-HC-405W		ELNSM54M-HC-410W		ELNSM54M-HC-415W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	400	301	405	304	410	308	415	311
Open Circuit Voltage (Voc)	37.12	34.64	37.22	34.73	37.32	34.81	37.42	34.90
Short Circuit Current (Isc)	13.60	10.99	13.70	11.07	13.80	11.15	13.90	11.23
Maximum Power Voltage (Vmp)	30.81	28.82	30.93	28.91	31.05	29.05	31.16	29.19
Maximum Power Current (Imp)	12.99	10.44	13.10	10.51	13.21	10.59	13.32	10.66
Module Efficiency STC (%)	20.48		20.74		21.00		21.25	
Power Tolerance (W)	(0 + 4,99 W)							
Pmax Temperature Coefficient	-0.34 %/°C							
Voc Temperature Coefficient	-0.26 %/°C							
Isc Temperature Coefficient	+0.05 %/°C							
* Measurement Tolerance +/- 3%								
STC: Irradiance 1000W/m ² , module temperature 25°C, AM=1.5								
NOCT: Irradiance 800W/m ² , Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s								



APPLICATION CONDITIONS

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	25A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	Front Side 5400Pa/ Rear Side 5400Pa

MECHANICAL SPECIFICATIONS

External Dimension	1722 x 1134 x 35 mm (67.80" x 44.65" x 1.38")
Weight	21.5 kg ± 0.5 kg (47.40 lbs ± 1.10 lbs)
Solar Cells	PERC Mono Crystalline (108 pcs)
Glass	3.2 mm AR coating tempered glass
Frame	Black anodized aluminium alloy
Junction Box	IP68,3 diodes
Output Cables*	4.0 mm ² , 1350 mm(+)/1350 mm(-) or Customized Length
Connector	MC4 compatible or staubli (should be specified at the time of order)

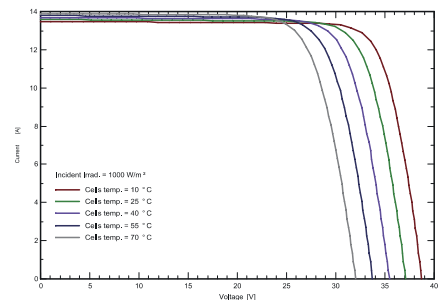
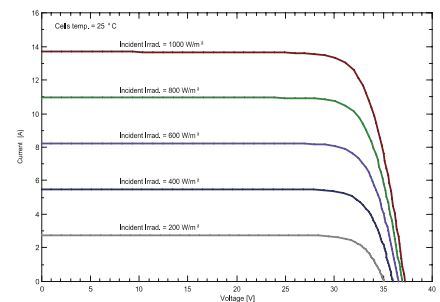
* Output cable lengths should be specified at the time of order.

PACKING CONFIGURATION

	1722x 1134 x 35 mm
Container	53 ft Truck
Pieces per Pallet	31
Pallets per Container	29
Pieces per Container	899

Assembled in USA

I-V CURVE





Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION CHECKLIST

PROPERTY ADDRESS: 17 GEORGE ST

Incomplete application will **NOT** be accepted and scheduled. A complete and valid application **MUST** contain the following information:

- 1) The type of Certificate the petitioner is seeking must be indicated (see Page 1);
- 2) The property owner's signature must appear on the application;
- 3) Relevant and applicable PHOTOGRAPHS, MATERIALS and PLANS specified on the Application

CHECKLIST

APPLICATION

Please complete the attached application and **PROVIDE ADDITIONAL PAGES IF NEEDED.**

PICTURES OF EXISTING CONDITIONS

Please provide color photographs of the project area's current condition. For example, should the project pertain to replacing windows, provide a photograph of what the current windows looks like.

RENDERING OF PROPOSED PROJECT UPON COMPLETION

Please provide a rendering of what the project will look like upon completion. For some products, such as siding, windows, doors, solar powered panels, HVAC systems (including heat pumps), this may include product details from the manufacturer and/or store or a brochure. For paint color-related projects, a sample of the color may suffice. For new construction, renderings from an architect are required.

PRODUCT SPECIFICATIONS

Please provide specifications for any products (e.g. doors, windows, siding, solar powered panels, HVAC systems, etc.) to be utilized during the project. Project details from the manufacturer and/or store, or a brochure, will suffice. *If available, please bring physical samples of the product to the meeting date.*

LETTER OF AUTHORIZATION

If the landowner is unable to attend the hearing, correspondence shall be submitted that authorizes a representative to speak on their behalf about the application.

For more information, visit the City's website: www.springfield-ma.gov/planning/historic-comm or call the Office: (413) 787-6020.

OFFICE USE ONLY	
LOCAL HISTORIC DISTRICT: Maple Hill	DECISION:
DATE RECEIVED: April 9, 2026	DECISION DATE:
HEARING DATE: May 7, 2026	DATE DISCUSSED (NO HEARING):
DATE NOTICE POSTED: April 23, 2026	WAIVED BY COMMISSION:
DATE NOTICE MAILED: April 23, 2026	WAIVED BY ABUTTERS:



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
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APPLICATION TYPE

PROPERTY ADDRESS: 17 George Street

APPLICATION TYPE (Select Application Type)

CERTIFICATE OF APPROPRIATENESS

Select this type of application for those changes that are in conformance with the guidelines and/or acceptable for the particular Local Historic District.

CERTIFICATE OF HARDSHIP

Select this type of application for those changes that are not appropriate with the underlying District guidelines, but which are necessary due to economic, physical, social, or other special conditions that apply to the individual property, but do not apply to the overall underlying District.

CERTIFICATE OF NON-APPLICABILITY

Select this type of application for those changes that affect features not controlled by the Commission (e.g. work that involves no change in materials, design or dimensions).

ENVIRONMENTAL REVIEW (I.E. REVIEW OF A STRUCTURE IN A NATIONAL REGISTER DISTRICT/INDIVIDUAL BUILDING)

Select this type of application for those changes that affect a structure in a National Register District, or a structure that is listed as a National Register Individual Building, that utilizes public funding (local, State, or federal). If the structure is both within a National Register District/Individual Building and a Local Historic District, select one of the application types above (Appropriateness, Hardship, Non-Applicability). If the structure contains a Preservation Restriction and is located within a National Register District/Individual Building, select the Preservation Agreement application type below.

PRESERVATION AGREEMENT

Selection this type of application if the structure contains a Preservation Restriction.

PRESERVATION OF HISTORICALLY SIGNIFICANT BUILDINGS (DEMO DELAY)

Select this type of application if the structure is more than 75 years old and are requesting that the nine (9) month demo delay restriction be lifted in order to commence demolition immediately.

MUNICIPAL PROTOCOL

Select this type of application if the structure relates to a municipally (City of Springfield) owned property, and the project will be facilitated by the municipality (City of Springfield).

SECTION 106 REVIEW

Select this type of application if the project is being submitted in accordance with Section 106.

Recourse: If a petitioner disagrees with a ruling by the Commission, he or she may, within twenty (20) days after filing the notice of such ruling with the City Clerk, appeal to the Superior Court or Housing Court, if applicable. On the other hand, the Historical Commission may, through Superior Court (or Housing Court), seek an injunction against any violation with a historic district's guidelines/standards. The Court may order the removal of any such violation, or the restoration of any building or feature altered or demolition in violation of a historic district's standards. Persons found guilty of any violations may be fined not less than ten dollars (\$10.00) or no more than five hundred dollars (\$500.00).



Springfield Historical Commission



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Springfield, MA 01104
(413) 787-6020 (office)
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APPLICATION FOR CERTIFICATE

PROPERTY ADDRESS: 17 GEORGE ST		CHECK BOX IF THE PETITIONER REQUIRES AN INTERPRETER <input type="checkbox"/>
PROPERTY OWNER: ELIANE NIYONKURU		
OWNER ADDRESS: <input checked="" type="checkbox"/> Check box if same as property address		
OWNER PHONE NUMBER: 413-552-1479	REPRESENTATIVE/CONTRACTOR NAME: SUNRUN INSTALLATION SERVICES	
OWNER EMAIL ADDRESS: NIYOELIANE415@GMAIL.COM	REPRESENTATIVE/CONTRACTOR PHONE NUMBER: ROBERT J DECKER IV IV 413-259-8044	
PROPERTY CODE: 05600-0019	REPRESENTATIVE/CONTRACTOR EMAIL ADDRESS: PIONEERVALLEYPERMITS@SUNRUN.COM	
PROJECT DESCRIPTION (USE SEPARATE PAGE IF NEEDED): INSTALLATION OF ROOFTOP SOLAR # OF PANELS 16 6.56KW 1 FRANKLIN BATTERY 15KW TO BE INSTALLED ON THE EXTERIOR OF THE HOUSE		PROPOSED MODIFICATIONS (Please check all that apply) <input type="checkbox"/> Windows (see Page 3) <input type="checkbox"/> Doors (see Page 4) <input type="checkbox"/> Siding (see Page 5) <input type="checkbox"/> Roofing (see Page 6) <input checked="" type="checkbox"/> Solar (see Page 8) <input type="checkbox"/> Signs (see Page 7) <input type="checkbox"/> Heat Pumps (see page 7) <input type="checkbox"/> Paint (see Page 8) <input type="checkbox"/> Renovations (e.g. Porches) (see Page 8) <input type="checkbox"/> New Construction (all of the above) <input type="checkbox"/> Other Projects (see Page 9):
JUSTIFICATION FOR CERTIFICATE OF HARDSHIP (IF APPLICABLE) (USE SEPARATE PAGE IF NEEDED):		

Check box if property owner will be in attendance at the hearing. If not, correspondence from the property owner authorizing a representative to present the application is required.

DocuSigned by:
ELIANE NIYONKURU

3/4/2026

PROPERTY OWNER'S SIGNATURE

DATE

ROOFING

Check box indicating that you are submitting an order sheet with renderings of the proposed roofing.

Check box indicating that you are submitting photographs of the existing roofing.

	EXISTING	PROPOSED
ROOF STYLE (e.g. gable, hip, mansard, etc):		
MATERIAL (e.g. asphalt shingle, slate, clay tile, etc):		
PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE EXISTING ROOFING:		
PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE ROOFING:		
ADDITIONAL INFORMATION:		

SOLAR

WILL THE MATERIAL OF THE ROOF BE CHANGING AS PART OF THIS PROJECT?

YES (PLEASE PROVIDE MORE INFO ABOVE)
No

Check box indicating that you are submitting plans of the proposed solar project.

Check box indicating that you are submitting photographs of the existing roofing.

ROOF MATERIAL (e.g. asphalt shingle, slate, clay tile, etc):	SHINGLE
NUMBER OF SOLAR POWERED PANELS:	16
SOLAR MANUFACTURER:	HANWHA
LOCATION OF SOLAR POWERED PANELS (e.g. north side of roof):	ROOF BACK OF HOUSE
LOCATION OF MAIN SERVICE PANEL & METER (e.g. rear of building):	
LOCATION OF OTHER ELECTRICAL COMPONENTS (e.g. rear of building):	REAR OF BUILDING
LOCATION OF CONDUIT (e.g. side of building, inside the house):	CONDUIT RUNNING THROUGH ATTIC
PROPOSED COLOR OF CONDUIT (e.g. silver, same as house):	N/A

SHEET INDEX

PAGE #	DESCRIPTION
PV-1.0	COVER SHEET
PV-2.0	SITE PLAN
PV-2.1	ESS ELEVATION
PV-3.0	LAYOUT
PV-4.0	ELECTRICAL
PV-5.0	SIGNAGE
PV-5.1	SIGNAGE 2

SCOPE OF WORK

- SYSTEM SIZE: 6.56KW DC, 10.0KW AC
- MODULES: (16) HANWHA Q-CELLS: Q.PEAK DUO BLK ML-G10+ 410
- INVERTERS: (1) SOLAREEDGE TECHNOLOGIES: SE10000H-USMN
- ENERGY STORAGE SYSTEM: (1) FRANKLIN: APOWER XYYY 15KWH, 10KW INVERTER OUTPUT, LITHIUM IRON PHOSPHATE BATTERY (WEIGHT: 357LB EACH)
- MICROGRID INTERCONNECT DEVICE: (1) 280A AGATE X CONTROL PANEL
- RACKING: ALPHATRACK TO DECK - SNR-DC-00370
- POWER-CONTROLLED SYSTEM (PCS) ENABLED EQUIPMENT INSTALLED, SEE PV-4.0 FOR INTERCONNECTION DETAILS
- SERVICE ENTRANCE CONDUCTORS TO BE REPLACED.
- MAIN PANEL REPLACEMENT: EXISTING 125 AMP MAIN PANEL WITH 100 AMP MAIN BREAKER TO BE REPLACED WITH NEW 125 AMP MAIN PANEL WITH 100 AMP MAIN BREAKER.
- SERVICE ENTRANCE CONDUCTORS TO BE REPLACED.

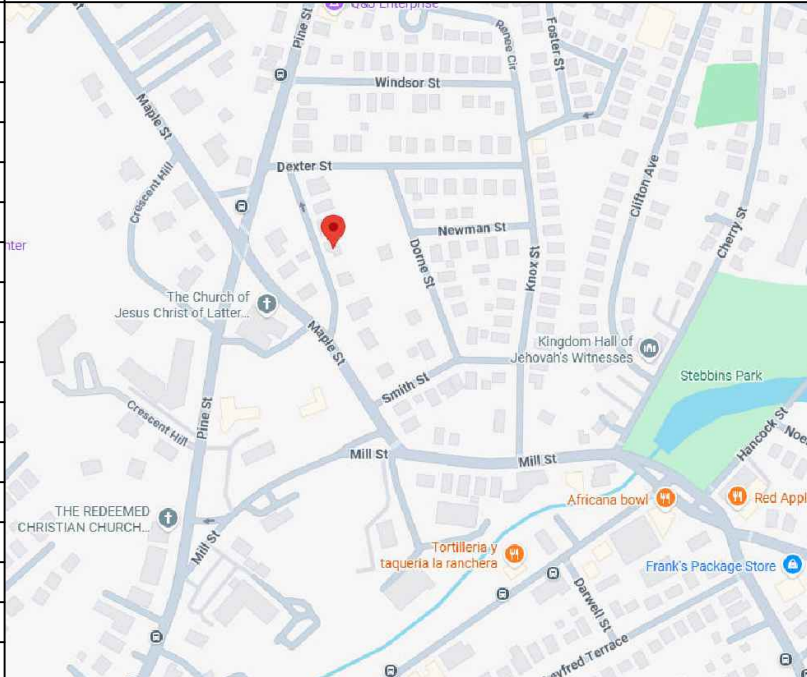
GENERAL NOTES

- ALL WORK SHALL COMPLY WITH MA 10TH ED. CMR 780 (2021 IRC/IBC/IEBC), 7-16 ASCE & 2018 NDS, , 2023 NEC AND 2023 MA ELECTRICAL CODE 527 CMR 12.00 (2023 NFPA 70 WITH MA AMENDMENTS), MUNICIPAL CODE, AND ALL MANUFACTURERS' LISTINGS AND INSTALLATION INSTRUCTIONS.
- PHOTOVOLTAIC SYSTEM WILL COMPLY WITH NEC 2023.
- ELECTRICAL SYSTEM GROUNDING WILL COMPLY WITH NEC 2023.
- PHOTOVOLTAIC SYSTEM IS UNGROUNDED. NO CONDUCTORS ARE SOLIDLY GROUNDED IN THE INVERTER. SYSTEM COMPLIES WITH 690.41(A)
- MODULES CONFORM TO AND ARE LISTED UNDER UL 61730.
- INVERTER CONFORMS TO AND IS LISTED UNDER UL 1741.
- RACKING CONFORMS TO AND IS LISTED UNDER UL 2703.
- SNAPRACK RACKING SYSTEMS, IN COMBINATION WITH TYPE I, OR TYPE II MODULES, ARE CLASS A FIRE RATED.
- RAPID SHUTDOWN REQUIREMENTS MET WHEN INVERTERS AND ALL CONDUCTORS ARE WITHIN ARRAY BOUNDARIES PER NEC 690.12(1).
- CONSTRUCTION FOREMAN TO PLACE CONDUIT RUN PER 690.31(D).
- ARRAY DC CONDUCTORS ARE SIZED FOR DERATED CURRENT.
- 11.24 AMPS MODULE SHORT CIRCUIT CURRENT.
- 14.05 AMPS DERATED SHORT CIRCUIT CURRENT [690.8 (a) & 690.8 (b)].
- PV INSTALLATION COMPLIES WITH THE NEC 2023 ARTICLE 690.12(B)(2)(2). CONTROLLED CONDUCTORS LOCATED INSIDE THE ARRAY BOUNDARY ARE LIMITED TO 80 VOLTS WITHIN 30 SECOND OF A RAPID SHUTDOWN INITIATION
- THE CAPACITY OF THE STANDALONE SYSTEM SUPPLY SHALL BE EQUAL TO OR GREATER THAN THE LOAD POSED BY THE SINGLE LARGEST UTILIZATION EQUIPMENT CONNECTED TO THE SYSTEM PER NEC ARTICLE 710.15(A)
- ALL PASS-THROUGH CONDUCTORS MUST COMPLY WITH NEC 312.8

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AFC	ARC FAULT CIRCUIT INTERRUPTER
AZIM	AZIMUTH
COMP	COMPOSITION
DC	DIRECT CURRENT
(E)	EXISTING
ESS	ENERGY STORAGE SYSTEM
MSP	MAIN SERVICE PANEL
(N)	NEW
PRE-FAB	PRE-FABRICATED
PSF	POUNDS PER SQUARE FOOT
PV	PHOTOVOLTAIC
RSD	RAPID SHUTDOWN DEVICE
TL	TRANSFORMERLESS
V	VOLTS
W	WATTS

VICINITY MAP





#180120

734 FOREST STREET #400, MARLBOROUGH, MA 01752
PHONE 888.657.6527
FAX 805.528.9701

CUSTOMER RESIDENCE:
ELIANE NIYONKURU
17 GEORGE ST, SPRINGFIELD,
MA, 01105

TEL. (413) 552-1479
APN: SPRI-005600-000000-000019

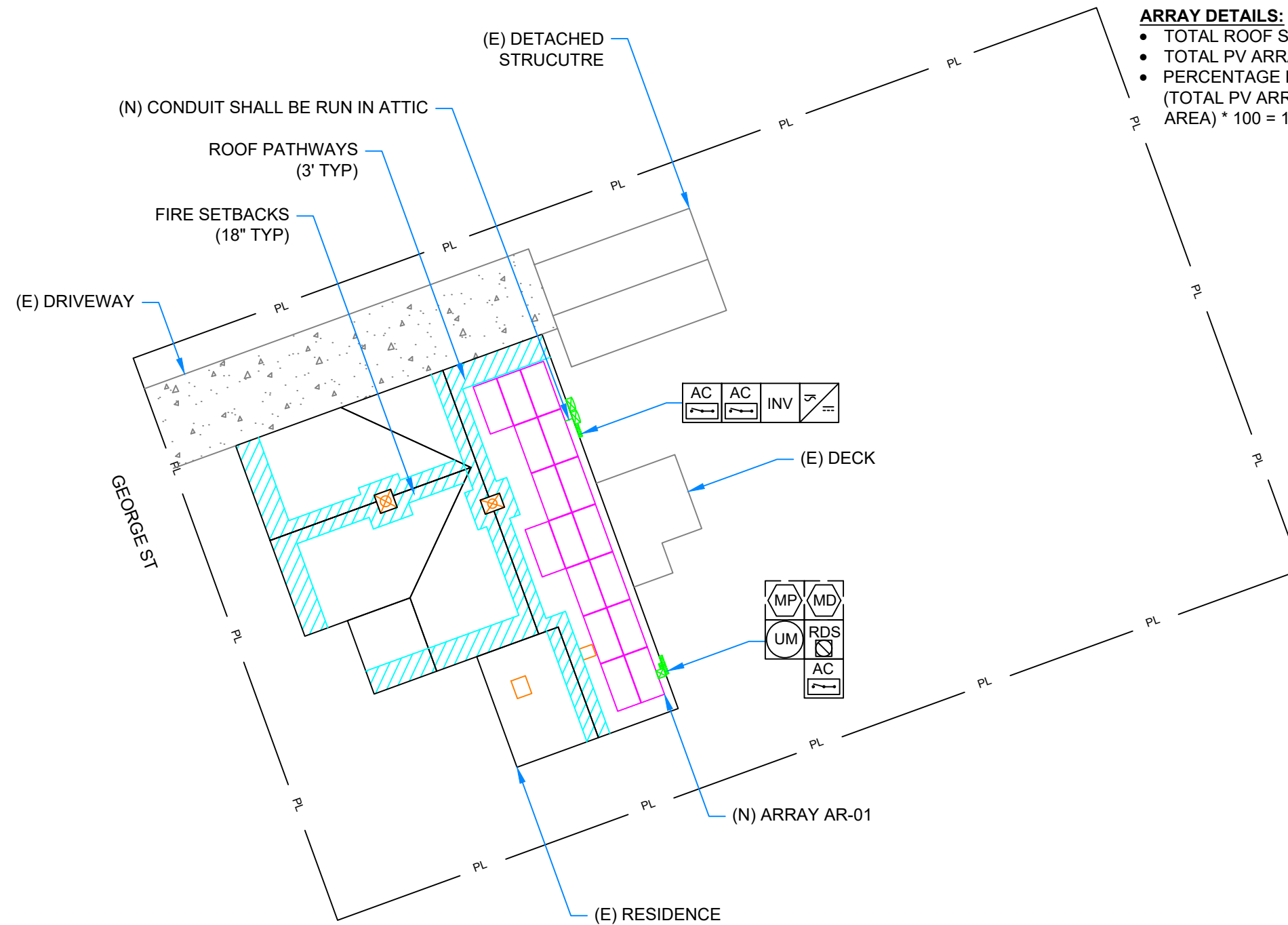
PROJECT NUMBER:
221R-017NIYO

DESIGNER: (415) 580-6920 ex3
KAYLA TAYSON

SHEET
COVER SHEET

REV: A2	4/2/2026
PAGE	PV-1.0

REV	NAME	DATE	COMMENTS



NOTES:

- RESIDENCE DOES NOT CONTAIN ACTIVE FIRE SPRINKLERS.

ARRAY DETAILS:

- TOTAL ROOF SURFACE AREA: 1954 SQ FT.
- TOTAL PV ARRAY AREA: 338.17 SQ FT.
- PERCENTAGE PV COVERAGE: (TOTAL PV ARRAY AREA/TOTAL ROOF SURFACE AREA) * 100 = 17.3%



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APN: SPRI-005600-000000-000019

PROJECT NUMBER:
221R-017NIYO

DESIGNER: (415) 580-6920 ex3
KAYLA TAYSON

SHEET
SITE PLAN

REV: A2 4/2/2026

PAGE
PV-2.0

	ARRAY PITCH	TRUE AZIM	PV AREA (SQFT)
AR-01	30°	70°	338.17

LEGEND SCALE: NTS
NOTE: NOT ALL ITEMS IN LEGEND WILL APPEAR IN SITE PLAN

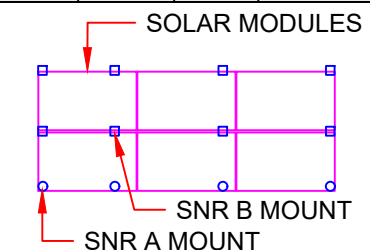
- UTILITY METER
- MAIN PANEL
- SUB-PANEL

- REMOTE DISCONNECT SWITCH
- AC DISCONNECT(S)
- DC DISCONNECT(S)
- INVERTER(S)
- FRANKLIN APBOX
- IQ COMBINER BOX

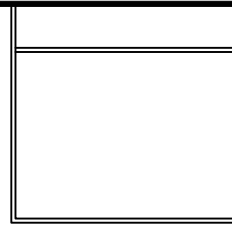
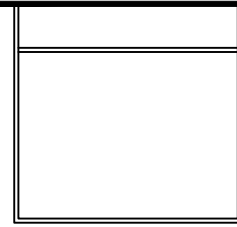
- BACKUP LOADS PANEL
- GENERATION PANEL
- PV LOAD CENTER
- MICROGRID INTERCONNECT DEVICE
- METER ADAPTER
- METER ADAPTER CONTROLLER

- INTERIOR EQUIPMENT SHOWN AS DASHED
- BATTERY
- ENERGY STORAGE SYSTEM (ESS)

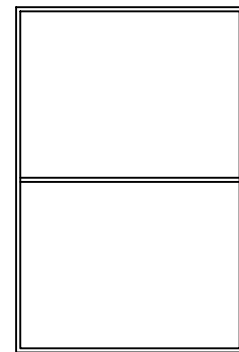
- SOLAR MODULES
- SNR B MOUNT
- SNR A MOUNT



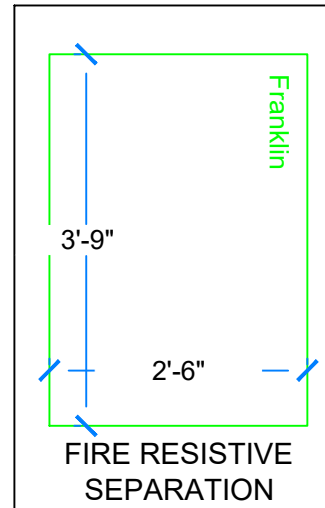
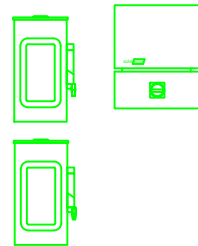
SITE PLAN - SCALE = NTS



EXTERIOR WALL (TYP)



3' min



3' min



(E) FENCE

NOTES:

- ENERGY STORAGE SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND LISTING REQUIREMENTS'
- ENERGY STORAGE UNIT TO BE INSTALLED ON THE EXTERIOR OF BUILDING
- ENERGY STORAGE UNIT TO BE INSTALLED MINIMUM 3 FEET AWAY FROM ANY WINDOW AND/OR DOOR ENTERING THE DWELLING
- FIRE DETECTION REGULATION NOT APPLICABLE DUE TO EXTERIOR INSTALLATION
- IMPACT PROTECTION NOT REQUIRED DUE TO LOCATION NOT AT RISK OF VEHICLE DAMAGE

NOTE:

- FIRE RESISTIVE SEPARATION TO BE INSTALLED BETWEEN THE BATTERY MOUNTING BRACKET AND THE SUPPORTING WALL. THE FIRE BARRIER THICKNESS SHALL NOT EXCEED 3/4"

SUNRUN

#180120

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DESIGNER: (415) 580-6920 ex3
KAYLA TAYSON

SHEET
ESS ELEVATION

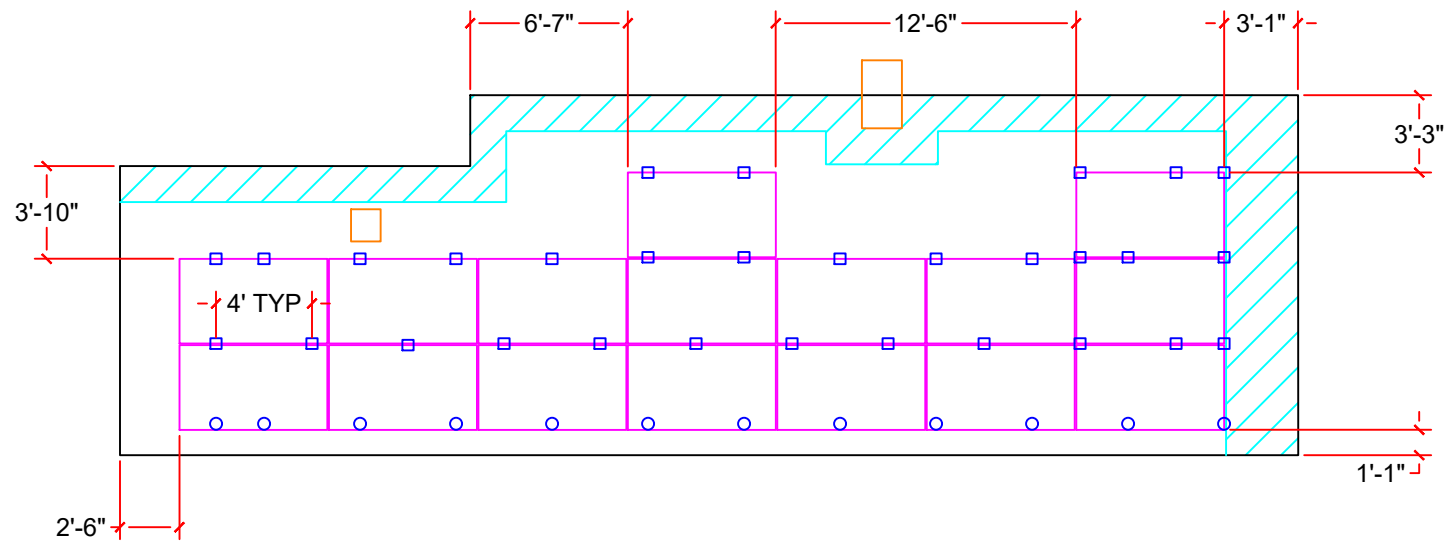
REV: A2 4/2/2026

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PV-2.1

ROOF INFO			FRAMING INFO			ATTACHMENT INFORMATION					
Name	Type	Height	Type	Max Span	OC Spacing	Detail	Max Landscape OC Spacing	Max Landscape Overhang	Max Portrait OC Spacing	Max Portrait Overhang	Configuration
AR-01	COMP SHINGLE - ALPHATRACK [DECKANCHOR]	2-Story	TRUE CUT 2X5 RAFTERS	11'-10"	24"	ALPHATRACK TO DECK - SNR-DC-00370	4'-0"	0'-6"	2'-2"	0'-6"	STAGGERED

DESIGN CRITERIA
MAX DISTRIBUTED LOAD: 3 PSF
SNOW LOAD: 35 PSF
WIND SPEED: 115 MPH 3-SEC GUST.
FASTENERS:
 (2) DECK ANCHORS FULLY PENETRATING THROUGH WOOD DECK

D1 - AR-01 - SCALE: 1/8" = 1'-0"
AZIM: 70°
PITCH: 30°



INSTALLERS SHALL NOTIFY ENGINEER OF ANY POTENTIAL STRUCTURAL ISSUES OBSERVED PRIOR TO PROCEEDING W/ INSTALLATION.

- IF ARRAY (EXCLUDING SKIRT) IS WITHIN 12" (48" FOR TILT KITS) BOUNDARY REGION OF ANY ROOF PLANE EDGES (EXCEPT VALLEYS), THEN ATTACHMENTS NEED TO BE ADDED AND OVERHANG REDUCED WITHIN THE 12" (48" FOR TILT KITS) BOUNDARY REGION ONLY AS FOLLOWS:
 - ALLOWABLE ATTACHMENT SPACING INDICATED ON PLANS TO BE REDUCED BY 50%.
 - ALLOWABLE OVERHANG INDICATED ON PLANS TO BE 1/5TH OF ALLOWABLE ATTACHMENT SPACING INDICATED ON PLANS.



Exp. 6/30/2026
 Digitally Signed On: 04/02/26



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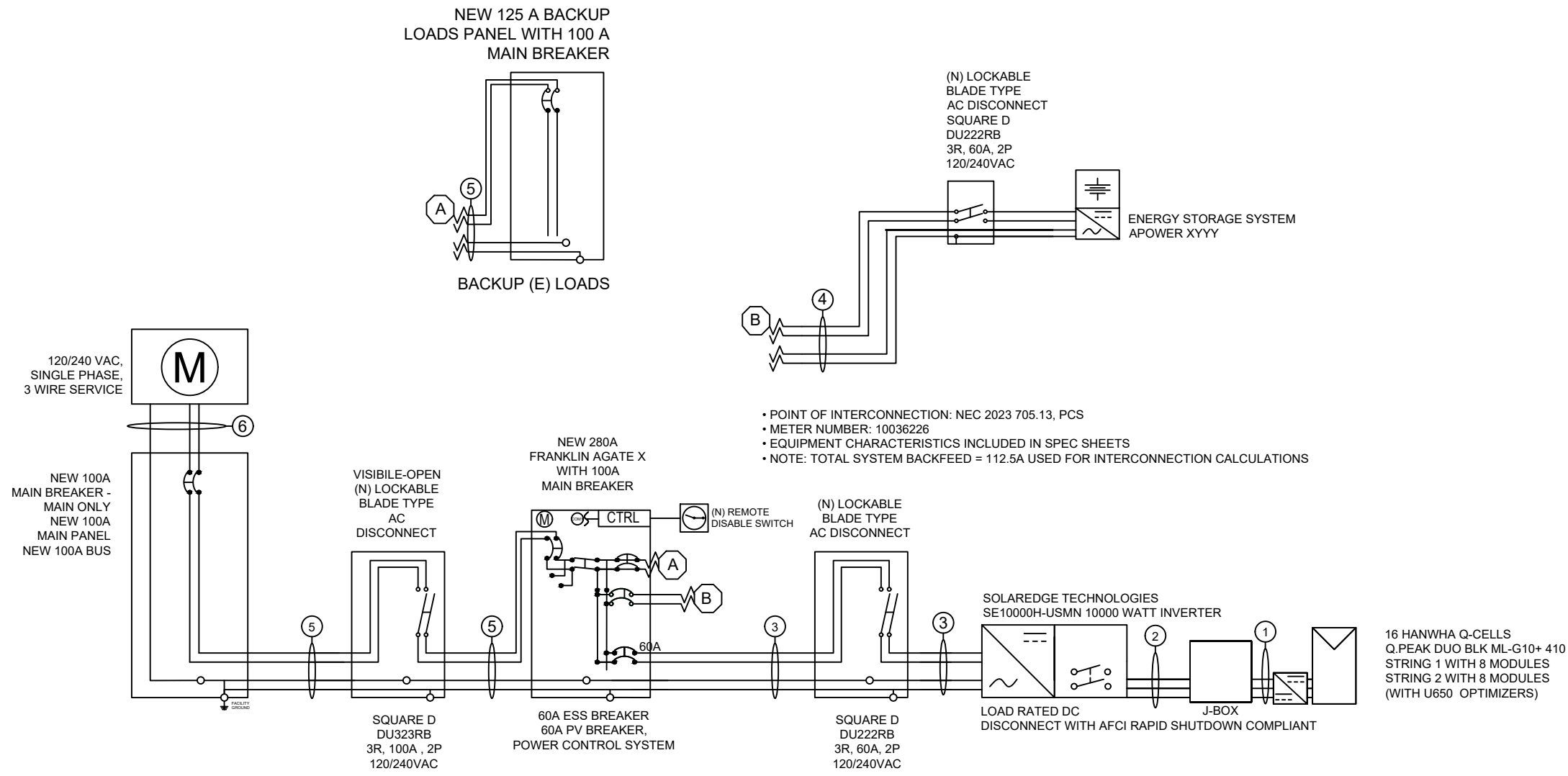
PROJECT NUMBER:
 221R-017NIYO

DESIGNER: (415) 580-6920 ex3
 KAYLA TAYSON

SHEET
 LAYOUT

REV: A2 4/2/2026

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 PV-3.0



- POINT OF INTERCONNECTION: NEC 2023 705.13, PCS
- METER NUMBER: 10036226
- EQUIPMENT CHARACTERISTICS INCLUDED IN SPEC SHEETS
- NOTE: TOTAL SYSTEM BACKFEED = 112.5A USED FOR INTERCONNECTION CALCULATIONS

ENERGY STORAGE DOES NOT CHARGE FROM THE GRID AND IS DESIGNED TO EXPORT TO THE UTILITY GRID.

General Notes:

- COMBINER BOX CONTAINS GENERATION CIRCUITS ONLY, THERE WILL BE NO UNUSED POSITIONS OR SPACES.

POWER CONTROL SYSTEM (PCS):

- A PCS IS INSTALLED IN ACCORDANCE WITH NEC 705.13
- THE PCS SHALL LIMIT GENERATION SOURCE OUTPUT SUCH THAT CURRENT FROM ALL SOURCES OF SUPPLY DOES NOT EXCEED THE RATING OF ANY BUSBAR OR CONDUCTOR SUPPLIED BY THE POWER PRODUCTION SOURCES
- ANY BUSBAR OR CONDUCTOR ON THE LOAD SIDE OF THE SERVICE DISCONNECT NOT MONITORED BY THE PCS SHALL COMPLY WITH ARTICLE 705.12.
- ACCESS TO PCS CONTROLS IS RESTRICTED TO QUALIFIED PERSONS IN ACCORDANCE WITH 240.6(C).
- ENERGY STORAGE SYSTEM: FranklinWH Energy Storage Inc: aGate
- ENABLE PCS; SETPOINTS:
 - 125A - PCS BUSBAR PROTECTION CURRENT
 - 0A - FAIL SAFE GENERATION BACKFEED CURRENT SUPPLY (120% COMPLIANT)

CONDUIT SCHEDULE					
TAG	CIRCUIT DESCRIPTION	CONDUCTOR	NEUTRAL	GROUND	CONDUIT
1	Inverter Input	(4) 10 AWG (PV WIRE)	N/A	6 AWG (BARE)	Open Air
2	Inverter Input	(4) 10 AWG THHN/THWN-2	N/A	8 AWG THHN/THWN-2	3/4 EMT
3	Inverter Output	(2) 6 AWG THHN/THWN-2	(1) 10 AWG THHN/THWN-2	8 AWG THHN/THWN-2	3/4 EMT
4	Battery Output	(2) 6 AWG THHN/THWN-2	(1) 6 AWG THHN/THWN-2	8 AWG THHN/THWN-2	3/4 EMT
5	Backup Panel Feeder	(2) 3 AWG THHN/THWN-2	(1) 3 AWG THHN/THWN-2	8 AWG THHN/THWN-2	1 EMT
6	Service Feeder	(2) 3 AWG THHN/THWN-2	(1) 3 AWG THHN/THWN-2	NONE	1 EMT



#180120

734 FOREST STREET #400, MARLBOROUGH, MA 01752
 PHONE 888.657.6527
 FAX 805.528.9701

CUSTOMER RESIDENCE:
 ELIANE NIYONKURU
 17 GEORGE ST, SPRINGFIELD,
 MA, 01105

TEL. (413) 552-1479
 APN: SPRI-005600-000000-000019

PROJECT NUMBER:
 221R-017NIYO

DESIGNER: (415) 580-6920 ex3
 KAYLA TAYSON

SHEET
ELECTRICAL

REV: A2 4/2/2026

PAGE
 PV-4.0

! WARNING
ELECTRICAL SHOCK HAZARD
TERMINALS ON LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL LOCATION:
INVERTER(S), AC/DC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE).
PER CODE(S): NEC 2023: 690.13(B), 705.20(7), 706.15(C)

! WARNING
THREE POWER SUPPLY SOURCES: UTILITY GRID, BATTERY AND PV SOLAR ELECTRIC SYSTEM

LABEL LOCATION:
UTILITY SERVICE METER AND MAIN SERVICE PANEL.
PER CODE(S): NEC 2023: 705.10, 705.30(C), 706.21(A)

! WARNING
POWER SOURCE OUTPUT CONNECTION
DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL LOCATION:
ADJACENT TO PV BREAKER AND ESS OCPD (IF APPLICABLE).
PER CODE(S): NEC 2023: 705.12(B)(2)

WARNING: PHOTOVOLTAIC POWER SOURCE

LABEL LOCATION:
INTERIOR AND EXTERIOR DC CONDUIT EVERY 10 FT, AT EACH TURN, ABOVE AND BELOW PENETRATIONS, ON EVERY JB/PULL BOX CONTAINING DC CIRCUITS.
PER CODE(S): NEC 2023: 690.31(D)(2)

ENERGY STORAGE SYSTEM DISCONNECT
NOMINAL ESS VOLTAGE 120/240 VAC

LABEL LOCATION:
ENERGY STORAGE SYSTEM
PER CODE(S): NEC 2023: 706.15(C)

INVERTER 1

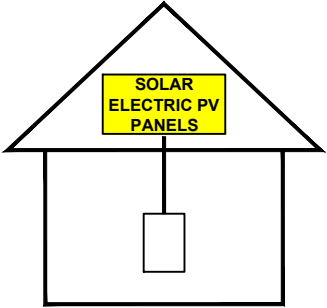
PHOTOVOLTAIC DC DISCONNECT
MAXIMUM SYSTEM VOLTAGE: 480 VDC

LABEL LOCATION:
INVERTER(S), DC DISCONNECT(S).
PER CODE(S): NEC 2023: 690.7(D)

! CAUTION
ENERGY STORAGE SYSTEM
PREMISES WIRING MAY REMAIN ENERGIZED AFTER LOSS OF UTILITY POWER

LABEL LOCATION:
INVERTER(S), AC/DC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE).
PER CODE(S): NEC 2023: 706.15(C)

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.



LABEL LOCATION:
ON OR NO MORE THAN 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED.
PER CODE(S): NEC 2023: 690.12(D)

NOTES AND SPECIFICATIONS:

- SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE NEC 2023 ARTICLE 110.21(B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUESTED BY THE LOCAL AHJ.
- SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING EFFECTIVE WORDS, COLORS AND SYMBOLS.
- LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN.
- LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- SIGNS AND LABELS SHALL COMPLY WITH ANSI Z535.4-2011, PRODUCT SAFETY SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.
- DO NOT COVER EXISTING MANUFACTURER LABELS.

Emergency responders, for 24 hour emergency service call:
1.833.607.6937 ext. 0
For customer questions or service issues, call our Customer Care team at:
1.855.478.6786
For customers in case of emergency, call:
911
This solar PV system is owned and operated by:
SUNRUN

LABEL LOCATION:
MAIN SERVICE DISCONNECT

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL LOCATION:
INSTALLED WITHIN 3' OF RAPID SHUT DOWN SWITCH PER CODE(S): NEC 2023: 690.12(D)(2), IFC 2021: 1204.5.3

INVERTER 1

PCS CONTROLLED CURRENT SETTING: 125 A
THE MAXIMUM OUTPUT CURRENT FROM THIS SYSTEM IS CONTROLLED ELECTRONICALLY. REFER TO THE MANUFACTURER'S INSTRUCTIONS FOR MORE INFORMATION.

LABEL LOCATION:
REQUIREMENT: UL 1741, SECTION 206.1 AND 206.4
LOCATION: MAIN PANEL
SIZE: 4.25" X 1.25"

WARNING: THIS SENSOR IS PART OF A POWER CONTROL SYSTEM. DO NOT REMOVE. REPLACE ONLY WITH THE SAME TYPE AND RATING.

WARNING: THIS SENSOR IS PART OF A POWER CONTROL SYSTEM. DO NOT REMOVE. REPLACE ONLY WITH THE SAME TYPE AND RATING.

REQUIREMENT: UL 1741, SECTION 206.3
LOCATION: AROUND THE CT WIRE BY CLAMP
SIZE 4.25" X 0.75"

SUNRUN

#180120

734 FOREST STREET #400, MARLBOROUGH, MA 01752
PHONE 888.657.6527
FAX 805.528.9701

CUSTOMER RESIDENCE:
ELIANE NIYONKURU
17 GEORGE ST, SPRINGFIELD, MA, 01105

TEL. (413) 552-1479
APN: SPRI-005600-000000-000019

PROJECT NUMBER:
221R-017NIYO

DESIGNER: (415) 580-6920 ex3
KAYLA TAYSON

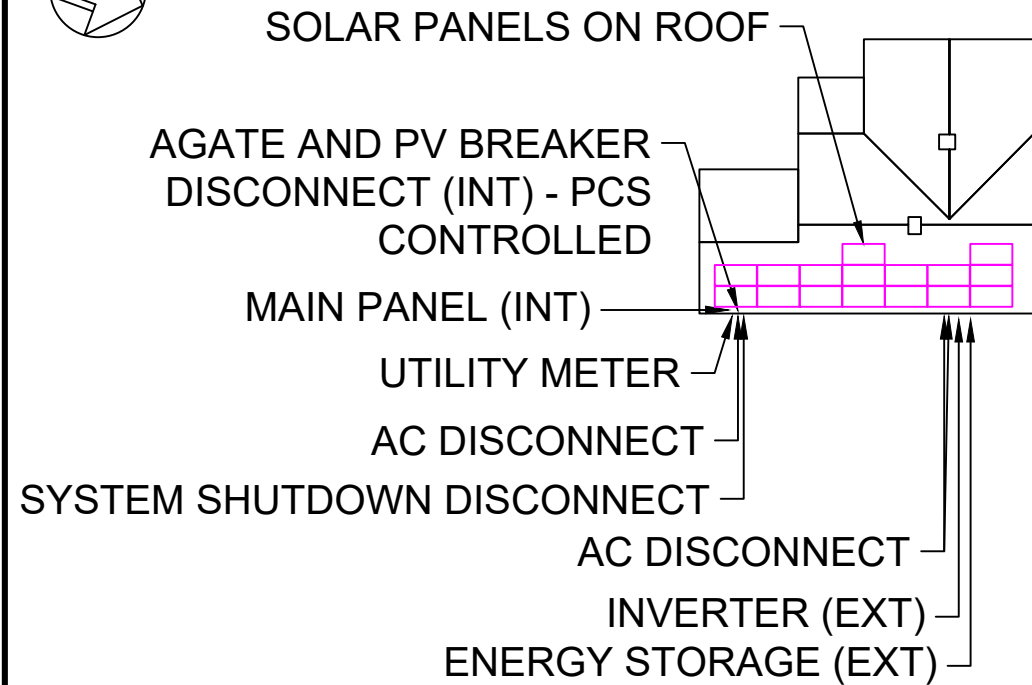
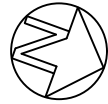
SHEET
SIGNAGE

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CAUTION:

MULTIPLE SOURCES OF POWER



17 GEORGE ST, SPRINGFIELD, MA, 01105

PER CODE(S): NEC 2023: 705.10, 710.10

LABELING FORMAT

LABELS SHALL BE RED PLASTIC MATERIAL WITH ENGRAVED WHITE LETTERS MADE OF DURABLE ADHESIVE, WEATHER RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT. LETTERS SHALL BE MINIMUM 3/8" IN SIZE.

SUNRUN

#180120

734 FOREST STREET #400, MARLBOROUGH, MA 01752
PHONE 888.657.6527
FAX 805.528.9701

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ELIANE NIYONKURU
17 GEORGE ST, SPRINGFIELD,
MA, 01105

TEL. (413) 552-1479
APN: SPRI-005600-000000-000019

PROJECT NUMBER:
221R-017NIYO

DESIGNER: (415) 580-6920 ex3
KAYLA TAYSON

SHEET
SIGNAGE 2

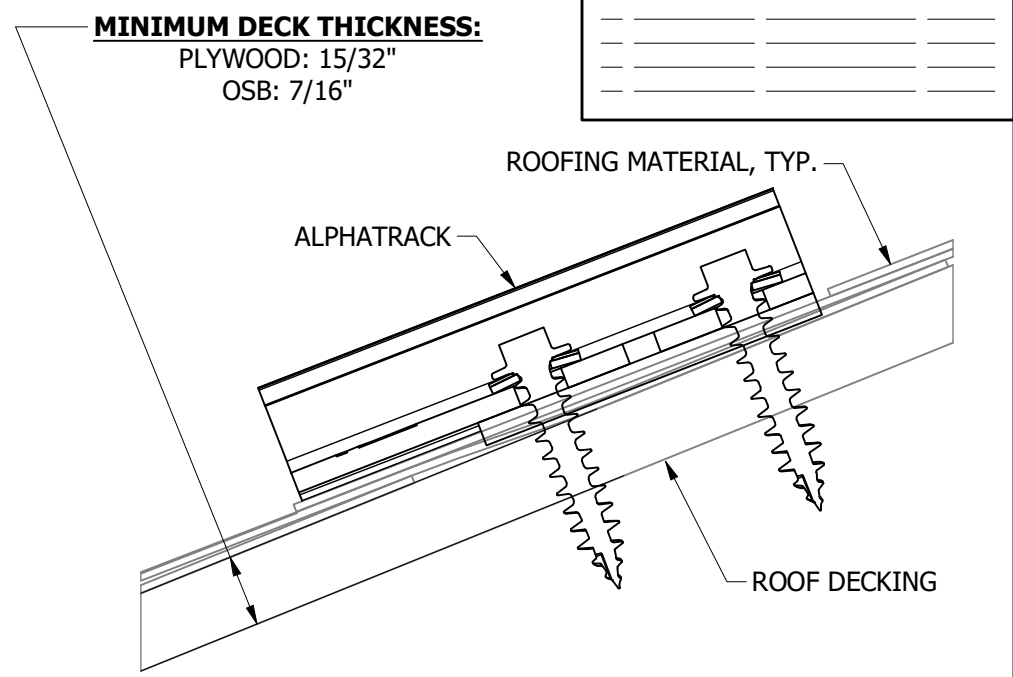
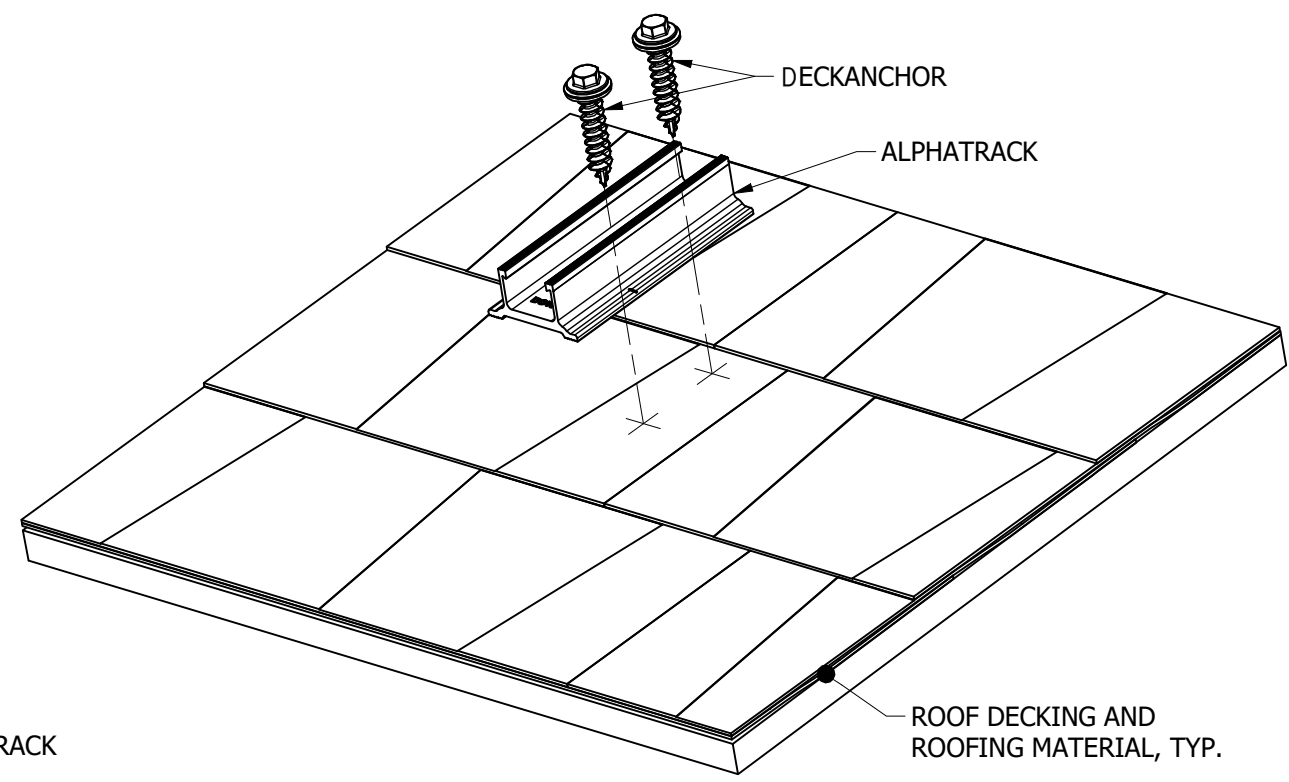
REV: A2 4/2/2026

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PV-5.1

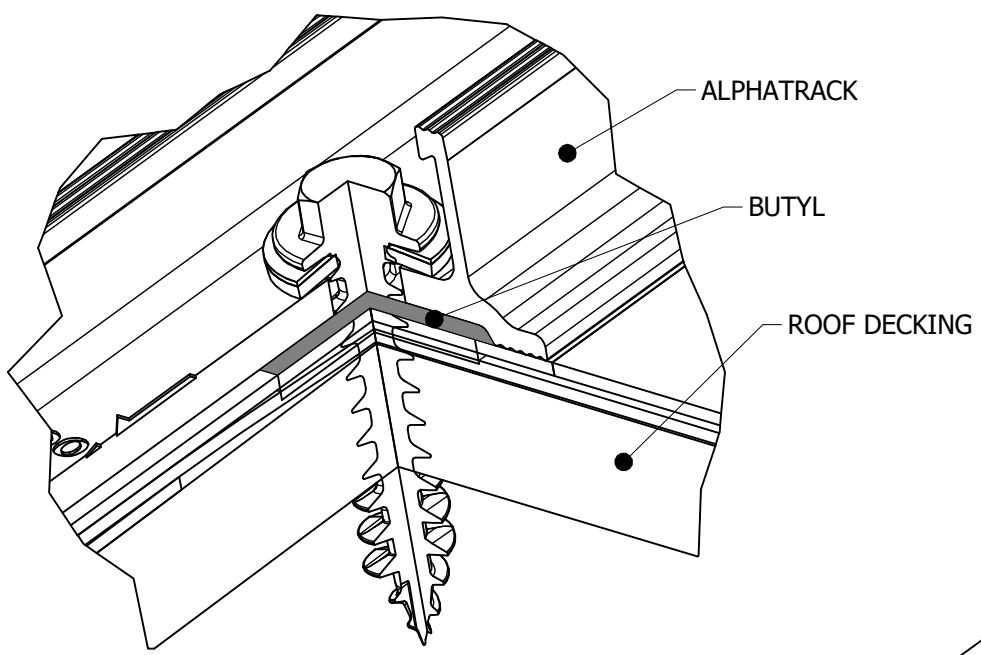
FOR SNAPRACK ENGINEERING TO APPLY, THE EMBEDMENT CRITERIA SHOWN HEREIN MUST BE MET (IF CRITERIA CANNOT BE MET OR SPANS ARE NOT SUFFICIENT, CONTACT SNAPRACK FOR SUPPORT).

REFER TO SNAPRACK INSTALLATION MANUAL FOR $\frac{5}{16}$ " \varnothing HARDWARE TORQUE SPECIFICATIONS. REFER TO MANUFACTURER SPECIFICATIONS FOR OTHER FASTENER TORQUE REQUIREMENTS.

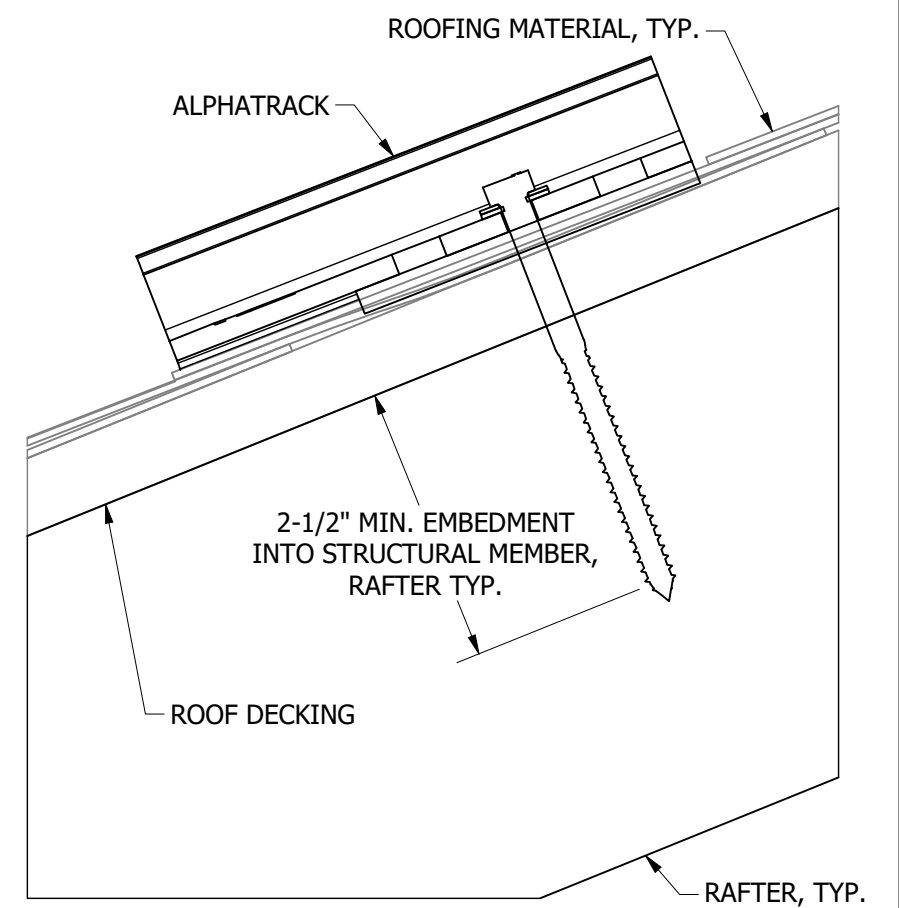
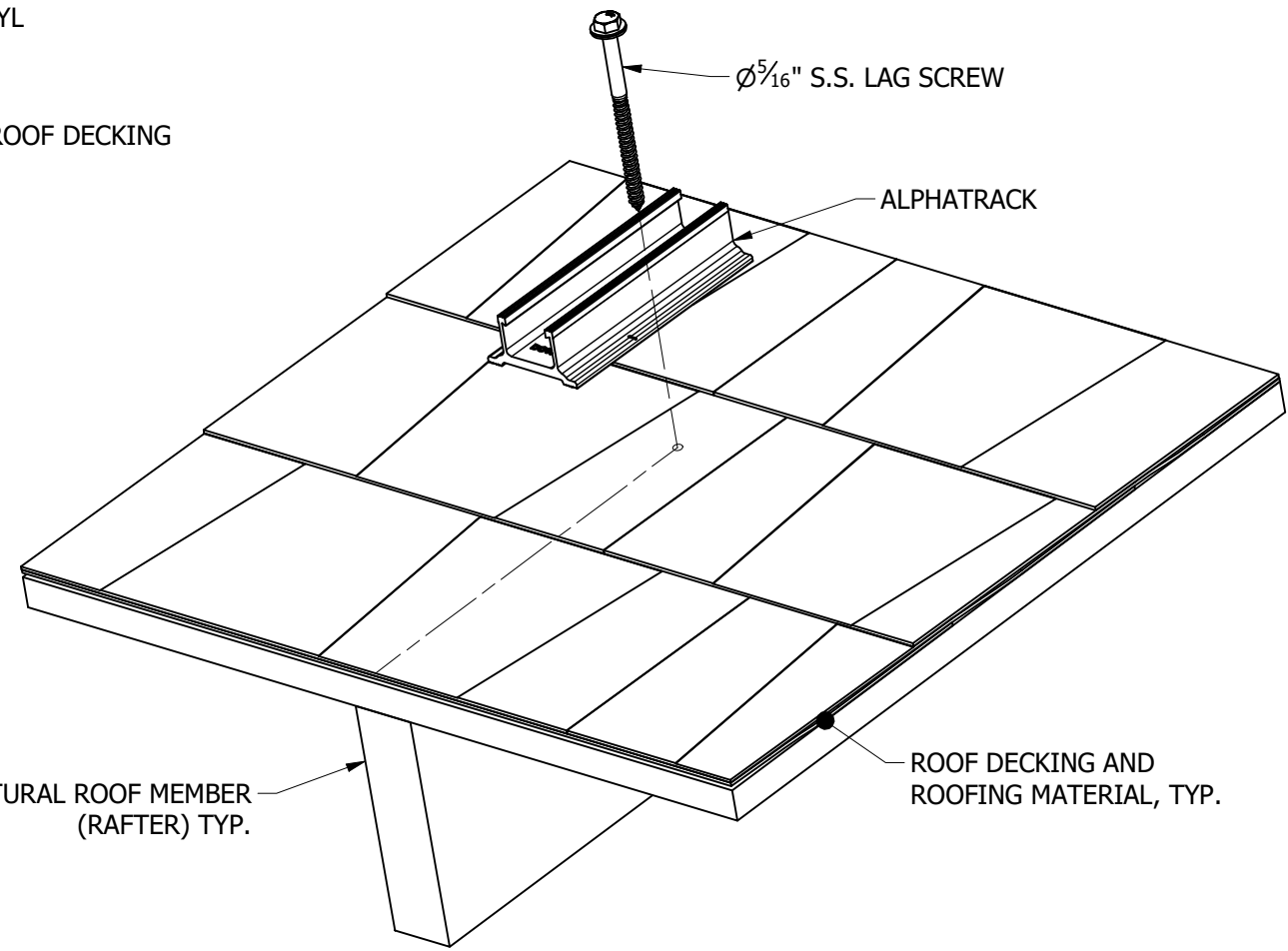
REVISION:		
A	8/9/2024	DC004258 MKW
A	9/16/2024	DC004258 MKW



COMPLETED DECK INSTALLATION



BUTYL DETAIL
(DECKANCHOR SHOWN)



COMPLETED RAFTER INSTALLATION

DESCRIPTION:
SNAPNRACK, TDS, ALPHATRACK (USA)

DOC NUMBER:
 SNR-DC-01452

SnapNrack®

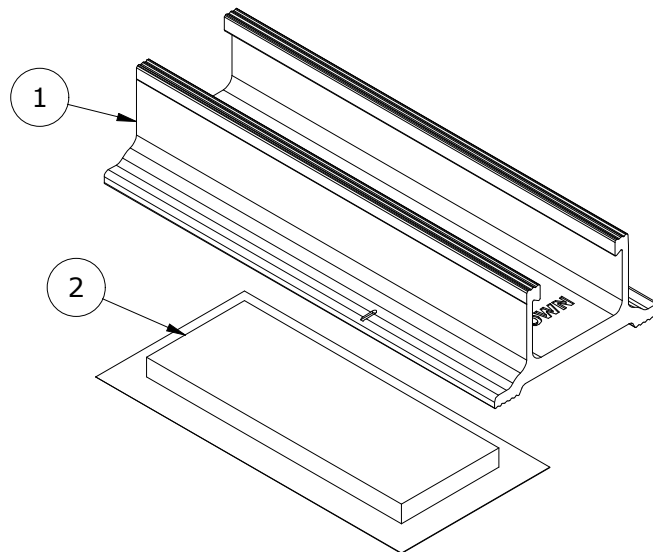
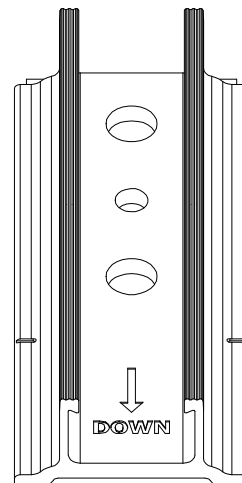
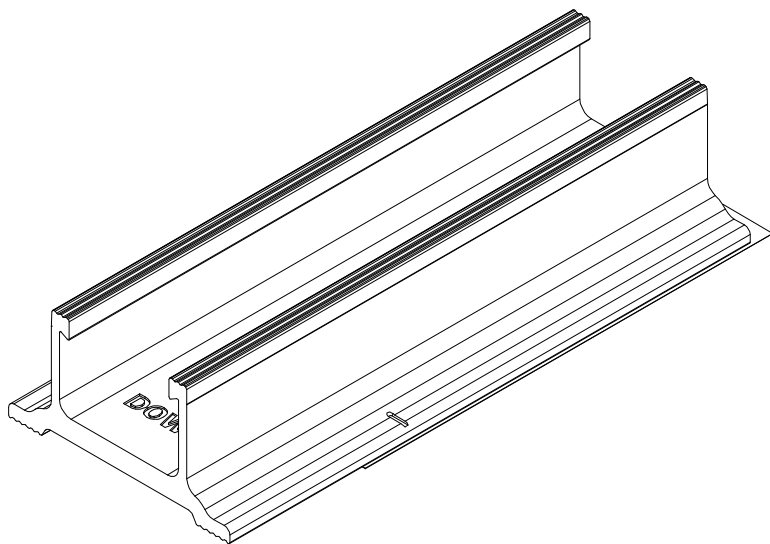
PART NUMBER(S):
 242-10063-USA

DRAWN BY:
 H.WULFEKOETTER

REV: **A** DATE:
 11/21/2024

SNR SOLAR LLC
 775 FIERO LANE, SUITE 200
 SAN LUIS OBISPO, CA 93401 USA
 EMAIL: CONTACT@SNAPNRACK.COM
THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SNR SOLAR LLC.

UNITS: IN, LB, DEG [MM, KG, DEG] SHEET: 1:2



PARTS LIST

ITEM	QTY	DESCRIPTION
1	1	SNAPNRACK, ALPHATRACK, MILL
2	1	SNAPNRACK, BUTYL PAD, 3.75IN X 1.50IN X .25IN

MATERIALS: 6000 SERIES ALUMINUM, BUTYL

DESIGN LOAD (LBS): VARIES, REFER TO SNAPNRACK ENGINEERING

ULTIMATE LOAD (LBS): VARIES, REFER TO SNAPNRACK ENGINEERING

TORQUE SPECIFICATION: N/A FT-LBS

CERTIFICATION: UL 2703, FILE E359313, DOMESTIC CONTENT COMPLIANT

WEIGHT (LBS): 0.43

DESCRIPTION:
SNAPNRACK, TDS, ALPHATRACK (USA)

DOC NUMBER:
SNR-DC-01452

SnapNrack®

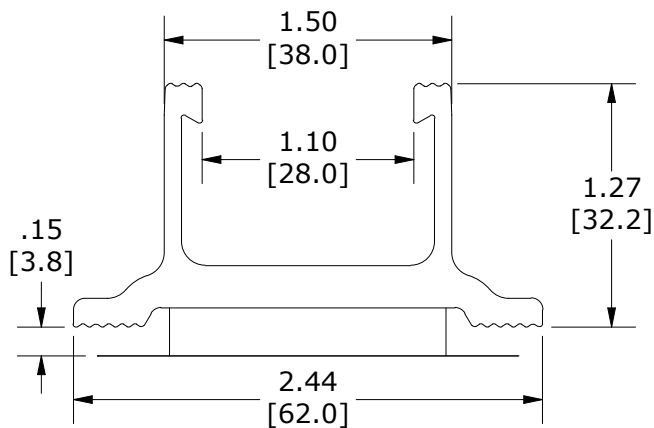
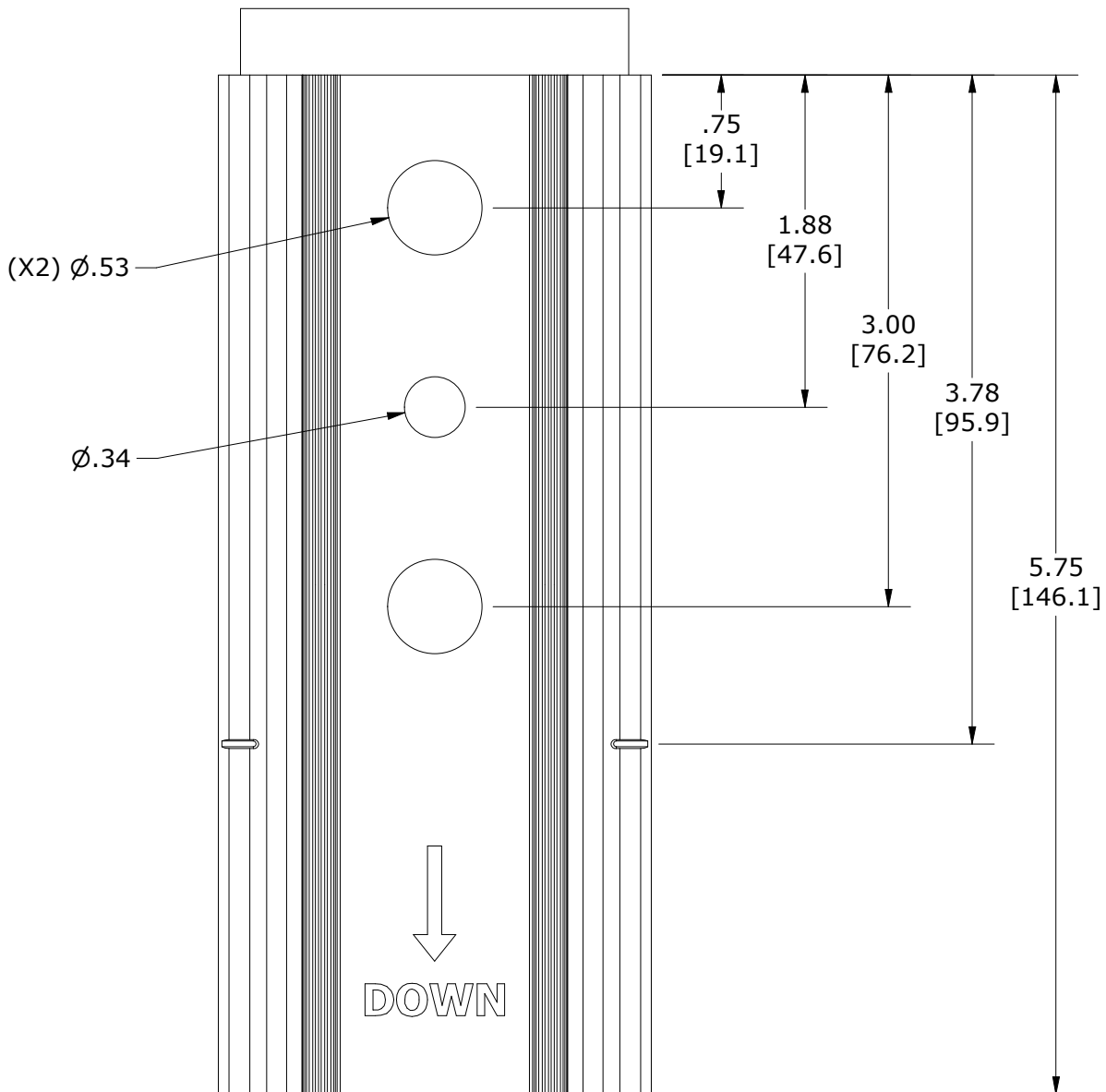
PART NUMBER(S):
242-10063-USA

DRAWN BY:
H.WULFEKOETTER

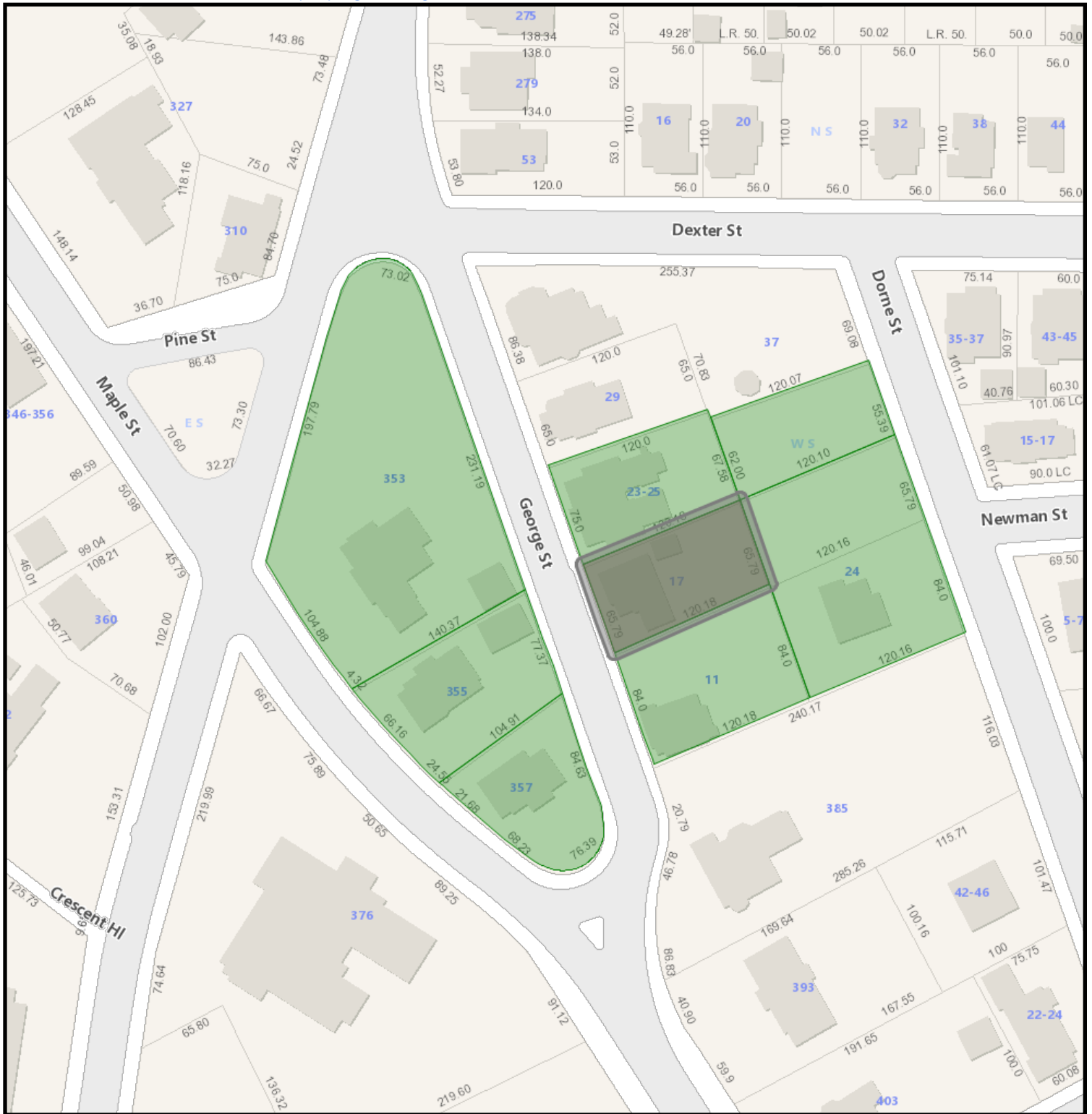
SNR SOLAR LLC
775 FIERO LANE, SUITE 200
SAN LUIS OBISPO, CA 93401 USA
EMAIL: CONTACT@SNAPNRACK.COM
THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SNR SOLAR LLC.

UNITS: IN, LB, DEG [MM, KG, DEG] SHEET: 2:2

REV: DATE:
A 11/21/2024







17 George Street GIS Map

4/21/2026 3:31:32 PM

Scale: 1"=100'

Scale is approximate



GIS information is provided on these Web Pages as a public resource for general information purposes only. It is used to locate, identify and inventory parcels of land in the City of Springfield for general purposes only and is NOT to be construed or used as a "legal description." Map and parcel information is believed to be accurate but accuracy is not guaranteed. No portion of the information should be considered to be, or used as, a legal document. The information is provided subject to the express condition that the user knowingly waives any and all claims for damages against the City of Springfield that may arise from the use of this data. Information provided on these Web Pages should be verified with the appropriate City department, and reviewed and approved by an attorney or other qualified professional prior to its use for any purpose with potential legal consequences.

04000006
BELTON THOMAS M TR
24 DORNE ST
SPRINGFIELD, MA 01105

082180121
DANIELS TANYA
357 MAPLE ST
SPRINGFIELD, MA 01105

082180124
HARRIS SERENA L
355 MAPLE STREET
SPRINGFIELD, MA 01105

082180127
HISPANIC RESOURCES INC
425 UNION STREET STE C7
WEST SPRINGFIELD, MA 01089

056000021
LAWTON CHRISTINE
11 GEORGE ST
SPRINGFIELD, MA 01105

056000019
NIYONKURU ELIANE
17 GEORGE ST
SPRINGFIELD, MA 01105

040000003
SPRINGFIELD CITY OF
36 COURT ST
SPRINGFIELD, MA 01103

056000017
WANG XIAOMAO B & HONG
2334 W. MAYA WAY
PHOENIX, AZ 85085

4/2/2026 06:59 AM

Subject: Structural Certification for Proposed Residential Solar Installation.
 Job Number: 221R-017NIYO; Rev A2
 Client: ELIANE NIYONKURU
 Address: 17 George St, Springfield, MA 01105



Attn: To Whom It May Concern

Exp. 6/30/2026
 Digitally Signed On: 04/02/26

A field observation of the existing structure at the address indicated above was performed. Structural evaluation of the loading was based on the site observations and the design criteria listed below.

Design Criteria:

- MA 10TH ED. CMR 780 (2021 IRC/IBC/IEBC), 7-16 ASCE & 2018 NDS
- Basic (Category II) Wind Speed V=115 mph, Exposure C
- Ground Snow Load = 35 psf, Min Flat Roof Snow Load = 35 psf

Based on this evaluation, I certify that the alteration to the existing structure by the installation of the PV system meets the requirements of the applicable existing and/or new building code provisions referenced above. Additionally, I certify that the PV module assembly including all attachments supporting it have been reviewed to be in accordance with the manufacturer's specifications.

Results Summary (Hardware Check Includes Uplift Check on Attachments/Fastener, Structure Check Considers Main Structure)					
	Orientation	Attachment Spacing/Cantilever	Configuration	Max DCR	Result
AR-01	Landscape	48 / 6	Staggered	78%	Pass
	Portrait	26 / 6	Staggered	76%	Pass
	Roofing Material		Pitch		Structure Check
	Comp Shingle		30°		Pass

Single Phase Energy Hub Inverter with Prism Technology

For North America

SE3000H-US / SE3800H-US / SE6000H-US / SE7600H-US /
SE10000H-US / SE11400H-US⁽¹⁾



Optimized battery storage with HD-Wave technology

- Record-breaking 99% weighted efficiency with 200% DC oversizing
- Small, lightweight, and easy to install
- Modular design, future ready with optional upgrades to:
 - DC-coupled storage for full or partial home backup
 - Built-in consumption monitoring
 - Direct connection to the SolarEdge smart EV charger
- Multi-inverter, scalable storage solution
 - With enhanced battery power up to 10kW
- Integrated arc fault protection and rapid shutdown for NEC 2014, NEC 2017 and NEC 2020, per article 690.11 and 690.12
- Embedded revenue grade production data, ANSI C12.20 Class 0.5

/ Single Phase Energy Hub Inverter with Prism Technology

For North America

SE3000H-US / SE3800H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US⁽¹⁾

	SE3000H-US	SE3800H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	UNITS
OUTPUT - AC ON GRID							
Rated AC Power	3000	3800 @ 240V 3300 @ 208V	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	W
Maximum AC Power Output	3000	3800 @ 240V 3300 @ 208V	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	W
AC Frequency Range (min - nom - max)	59.3 - 60 - 60.5 ⁽²⁾						Hz
Maximum Continuous Output Current @ 240V	12.5	16	25	32	42	47.5	A
Maximum Continuous Output Current @ 208V	-	16	24	-	-	48.5	A
GFDI Threshold	1						A
Total Harmonic Distortion (THD)	<3						%
Power Factor	1, adjustable -0.85 to 0.85						
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes						
Charge Battery from AC (if allowed)	Yes						
Typical Nighttime Power Consumption	<2.5						W
OUTPUT - AC BACKUP⁽³⁾							
Rated AC Power in Backup Operation ⁽⁴⁾	3000	3800 7600*	6000	7600 10300*	10000	10300	W
AC L-L Output Voltage Range in Backup	211 - 264						Vac
AC L-N Output Voltage Range in Backup	105 - 132						Vac
AC Frequency Range in Backup (min - nom - max)	55 - 60 - 65						Hz
Maximum Continuous Output Current in Backup Operation	12.5	16 32*	25	32 43*	42	43	A
GFDI	1						A
THD	<5						%
OUTPUT - SMART EV CHARGER AC							
Rated AC Power	9600						W
AC Output Voltage Range	211 - 264						Vac
On-Grid AC Frequency Range (min - nom - max)	59.3 - 60 - 60.5						Hz
Maximum Continuous Output Current @240V (grid, PV and battery)	40						Aac
INPUT - DC (PV AND BATTERY)							
Transformer-less, Ungrounded	Yes						
Max Input Voltage	480						Vdc
Nom DC Input Voltage	380						Vdc
Reverse-Polarity Protection	Yes						
Ground-Fault Isolation Detection	600kΩ Sensitivity						
INPUT - DC (PV)							
Maximum DC Power @ 240V	6000	7600 15200*	12000	15200 22800*	22000	22800	W
Maximum DC Power @ 208V	-	6600	10000	-	-	20000	W
Maximum Input Current ⁽⁵⁾ @ 240V	8.5	10.5 20*	16.5	20 31*	27	31	Adc
Maximum Input Current ⁽⁵⁾ @ 208V	-	9	13.5	-	-	27	Adc
Max. Input Short Circuit Current	45						Adc
Maximum Inverter Efficiency	99	99.2					%
CEC Weighted Efficiency	99					99 @ 240V 98.5 @ 208V	%
2-pole Disconnection	Yes						

* Supported with PN SExxxxH-USMMxxxxxx or SExxxxH-USMNxxxxxx

(1) These specifications apply to inverters with part numbers SExxxxH-USMMxxxxxx or SExxxxH-USMNxxxxxx and connection unit model number DCD-1PH-US-PxH-F-x

(2) For other regional settings please contact SolarEdge support

(3) Not designed for standalone applications and requires AC for commissioning. Backup functionality is only supported for 240V grid

(4) Rated AC power in Backup Operation are valid for installations with multiple inverters. For a single backup inverter operation, rated AC power in Backup is 90% of the value stated

(5) A higher current source may be used; the inverter will limit its input current to the values stated

/ Single Phase Energy Hub Inverter with Prism Technology

For North America

SE3000H-US / SE3800H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US⁽¹⁾

	SE3000H-US	SE3800H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	UNITS
INPUT - DC (BATTERY)							
Supported Battery Types	SolarEdge Energy Bank, LG RESU Prime ⁽⁶⁾						
Number of Batteries per Inverter	Up to 3 SolarEdge Energy Bank, up to 2 LG RESU Prime						
Continuous Power ⁽⁷⁾	6000	7600	10000				W
Peak Power ⁽⁷⁾	6000	7600	10000				W
Max Input Current	16	20	26.5				Adc
2-pole Disconnection	Yes						
SMART ENERGY CAPABILITIES							
Consumption Metering	Built - in ⁽⁸⁾						
Backup & Battery Storage	With Backup Interface (purchased separately) for service up to 200A; Up to 3 inverters						
EV Charging	Direct connection to Smart EV charger						
ADDITIONAL FEATURES							
Supported Communication Interfaces	RS485, Ethernet, Cellular ⁽⁹⁾ , Wi-Fi (optional), SolarEdge Energy Net (optional)						
Revenue Grade Metering, ANSI C12.20	Built - in ⁽⁸⁾						
Integrated AC, DC and Communication Connection Unit	Yes						
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi Access Point for local connection						
DC Voltage Rapid Shutdown (PV and Battery)	Yes, according to NEC 2014, NEC 2017 and NEC 2020 690.12						
STANDARD COMPLIANCE							
Safety	UL1741, UL1741 SA, UL1741 PCS, UL1699B, UL1998, UL9540, CSA 22.2						
Grid Connection Standards	IEEE1547, Rule 21, Rule 14H						
Emissions	FCC part 15 class B						
INSTALLATION SPECIFICATIONS							
AC Output and EV AC Output Conduit Size / AWG Range	1" maximum / 14-4 AWG						
DC Input (PV and Battery) Conduit Size / AWG Range	1" maximum / 14-6 AWG						
Dimensions with Connection Unit (H x W x D)	17.7 x 14.6 x 6.8 / 450 x 370 x 174		17.7 x 14.6 x 6.8 / 450 x 370 x 174		17.7 x 14.6 x 6.8 / 450 x 370 x 174		in / mm
Weight with Connection Unit	26 / 11.8		26 / 11.8 30.2 / 13.7*		30.2 / 13.7		lb / kg
Noise	< 25	< 25 < 50*	< 25	< 50			dBA
Cooling	Natural Convection						
Operating Temperature Range	-40 to +140 / -40 to +60 ⁽¹⁰⁾						
Protection Rating	NEMA 4						

(6) The part numbers SExxxxH-USxMxxxx only support the SolarEdge Energy Bank. The part numbers SExxxxH-USxNxxxx support both SolarEdge Energy Bank and LG RESU Prime batteries
Requires supporting inverter firmware

(7) Discharge power is limited up to the inverter rated AC power for on-grid and backup applications

(8) For consumption metering current transformers should be ordered separately: SECT-SPL-225A-T-20 or SEACT0750-400NA-20 units per box. Revenue grade metering is only for production metering

(9) Information concerning the Data Plan's terms & conditions is available in the following link:

<https://www.solaredge.com/sites/default/files/se-communication-plan-terms-and-conditions-eng.pdf>

(10) Full power up to at least 50°C / 122°F; for power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf>

Power Optimizer

For North America

P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505

POWER OPTIMIZER



PV power optimization at the module-level

- Specifically designed to work with SolarEdge inverters
- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- Flexible system design for maximum space utilization
- Fast installation with a single bolt
- Next generation maintenance with module-level monitoring
- Meets NEC requirements for arc fault protection (AFCI) and Photovoltaic Rapid Shutdown System (PVRSS)
- Module-level voltage shutdown for installer and firefighter safety

Power Optimizer

For North America

P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505

Optimizer model (typical module compatibility)	P320 (for 60-cell modules)	P340 (for high-power 60-cell modules)	P370 (for higher-power 60 and 72-cell modules)	P400 (for 72 & 96-cell modules)	P401 (for high power 60 and 72 cell modules)	P405 (for high-voltage modules)	P485 (for high-voltage modules)	P505 (for higher current modules)	
INPUT									
Rated Input DC Power ⁽¹⁾	320	340	370	400		405	485	505	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	48		60	80	60	125 ⁽²⁾		83 ⁽²⁾	Vdc
MPPT Operating Range	8 - 48		8 - 60	8 - 80	8-60	12.5 - 105		12.5 - 83	Vdc
Maximum Short Circuit Current (Isc)	11			10.1	11.75	11		14	Adc
Maximum DC Input Current	13.75			12.5	14.65	12.5		17.5	Adc
Maximum Efficiency	99.5								%
Weighted Efficiency	98.8							98.6	%
Overvoltage Category	II								

OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREEDGE INVERTER)

Maximum Output Current	15								Adc
Maximum Output Voltage	60					85			Vdc

OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREEDGE INVERTER OR SOLAREEDGE INVERTER OFF)

Safety Output Voltage per Power Optimizer	1 ± 0.1								Vdc
---	---------	--	--	--	--	--	--	--	-----

STANDARD COMPLIANCE

EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3							
Safety	IEC62109-1 (class II safety), UL1741							
Material	UL94 V-0, UV Resistant							
RoHS	Yes							

INSTALLATION SPECIFICATIONS

Maximum Allowed System Voltage	1000								Vdc	
Compatible inverters	All SolarEdge Single Phase and Three Phase inverters									
Dimensions (W x L x H)	129 x 153 x 27.5 / 5.1 x 6 x 1.1			129 x 153 x 33.5 / 5.1 x 6 x 1.3	129 x 153 x 29.5 / 5.1 x 6 x 1.16	129 x 159 x 49.5 / 5.1 x 6.3 x 1.9		129 x 162 x 59 / 5.1 x 6.4 x 2.3	mm / in	
Weight (including cables)	630 / 1.4			750 / 1.7	655 / 1.5	845 / 1.9		1064 / 2.3	gr / lb	
Input Connector	MC4 ⁽³⁾						Single or dual MC4 ⁽³⁾⁽⁴⁾	MC4 ⁽³⁾		
Input Wire Length	0.16 / 0.52				0.16 or 0.9 / 0.52 or 2.95 ⁽⁵⁾	0.16 / 0.52			m / ft	
Output Wire Type / Connector	Double Insulated / MC4									
Output Wire Length	0.9 / 2.95			1.2 / 3.9						m / ft
Operating Temperature Range ⁽⁶⁾	-40 - +85 / -40 - +185								°C / °F	
Protection Rating	IP68 / NEMA6P									
Relative Humidity	0 - 100								%	

(1) Rated power of the module at STC will not exceed the optimizer "Rated Input DC Power". Modules with up to +5% power tolerance are allowed

(2) NEC 2017 requires max input voltage be not more than 80V

(3) For other connector types please contact SolarEdge

(4) For dual version for parallel connection of two modules use P485-4NMDMRM. In the case of an odd number of PV modules in one string, installing one P485 dual version power optimizer connected to one PV module. When connecting a single module seal the unused input connectors with the supplied pair of seals.

(5) Longer inputs wire length are available for use. For 0.9m input wire length order P401-xxxLxxx.

(6) For ambient temperature above +85°C / +185°F power de-rating is applied. Refer to Power Optimizers Temperature De-Rating Technical Note for more details.

PV System Design Using a SolarEdge Inverter ⁽⁷⁾⁽⁸⁾	Single Phase HD-Wave	Single phase	Three Phase for 208V grid	Three Phase for 277/480V grid	
Minimum String Length (Power Optimizers)	P320, P340, P370, P400, P401	8	10	18	
	P405, P485, P505	6	8	14	
Maximum String Length (Power Optimizers)		25	25	50 ⁽⁹⁾	
Maximum Power per String	5700 (6000 with SE7600-US - SE11400-US)	5250	6000 ⁽¹⁰⁾	12750 ⁽¹¹⁾	W
Parallel Strings of Different Lengths or Orientations	Yes				

(7) For detailed string sizing information refer to: http://www.solaredge.com/sites/default/files/string_sizing_na.pdf

(8) It is not allowed to mix P405/P485/P505 with P320/P340/P370/P400/P401 in one string

(9) A string with more than 30 optimizers does not meet NEC rapid shutdown requirements; safety voltage will be above the 30V requirement

(10) For 208V grid: it is allowed to install up to 6,500W per string when the maximum power difference between each string is 1,000W

(11) For 277/480V grid: it is allowed to install up to 15,000W per string when the maximum power difference between each string is 2,000W



CSA GROUP
Laboratory Test Data - UL 9540A

Master Contract: 301950
Report: 80226105
Project: 80226105

Oct 09, 2024

*Mr. Wang Lin,
Project Manager
FranklinWH Energy Storage Inc.
8 The Green, Ste A
Dover, Delaware 19901
United States*

Subject: Rechargeable Lithium-ion Battery System for use in residential application, model aPower X-20 (UL 9540A Test Report)

Dear *Mr. Wanglin*:

We are pleased to inform you that testing of your product per UL 9540A has been completed. Applicable test(s) was witnessed at ChuWeiNeng Testing Technology(Shanghai) Co.,Ltd, and witnessed by CSA Group – Kunshan. Unit level of test was conducted on the sample provided and the results are enclosed in the test report.

Note: This Test Report is not an Authorization to apply the CSA Mark to the product. The results contained in the report(s) provided are contingent upon the characteristics of the actual sample(s) used in the investigation. In the absence of a continuing inspection service, CSA provides no assurance, expressed or implied, that the contents of the report are applicable to reproductions of the sample(s). Use or reproduction of the CSA name, logo, or trademark is not permitted without the prior written consent of CSA. No references can be made to this report when using the results of this investigation for the purposes of advertising, promotion or litigation, without the prior written consent of CSA.

Please examine the enclosed documents and contact me if you have any questions or would like us to make any changes.

On behalf of CSA, I would like to thank you for your business and offer our services for your future needs.

Yours truly,

*Marvin Peng
CSA –CCIC-CSA International Certification Co., Ltd. Kunshan Branch
2F-1, Building C12, No 555 Dujuan Road, Kunshan Economic & Technical Development Zone, Kunshan,
Jiangsu, China 215331*



FranklinWH System Installation Guide

aPower 2, SKU: APR-10K15V2-US

aGate X 1.3 & aGate X 1.3.1, SKU: AGT-R1V2-US; AGT-R1V3-US

Floor mounting bracket, SKU: ACCY-FMBV2-US

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Please visit [FranklinWH Support](#) for the latest FranklinWH documents.

All brands and trademarks mentioned in this document are the property of their respective owners, and their use in this document does not imply the sponsorship or recognition of their products or services.

Please read this document carefully to ensure the best reliability of the product and your warranty eligibility. For further information about the warranty, please refer to the **FranklinWH Limited Warranty**.

This document is intended for use by professional installation and maintenance service providers only and no statements, information or recommendations in this document constitute any express or implied warranty.



Please read this document carefully before installing or using the FranklinWH equipment. Failure to follow any instructions or warnings in this document may result in damage to the equipment, personal electric shock, severe injury, or even death.

Product Information

The FranklinWH System is composed of aGate, aPower, the FranklinWH App, and other electrical and software components.

FranklinWH Energy Storage Inc. (FranklinWH) reserves the right to make any improvements to the product, and the contents in this document shall be subject to updates without further notification.

All images and pictures provided in this Manual are only for demonstration purposes and may differ in detail from the product, based on the product version.

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

MPE caution (if an FCC certified RF module is inserted in and the separation distance is indicated in the FCC grant of RF module).

To satisfy FCC / IC RF exposure requirements, a separation distance of 8 in. (20 cm) or more should be maintained between the antenna of this device and persons during device operation.

To ensure compliance, operations at closer than this distance is not recommended.

Feedback

If you have any questions or comments, please send us an email at: service@franklinwh.com

Disposal of Scrapped Products

Scrapped products (including their internal chemicals and electrical materials) should not be disposed of with household waste. Please refer to your local laws and regulations regarding disposal.



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Safety Statements












This Guide includes important information about the FranklinWH system. Please read this Guide carefully before installation, maintenance, or use. Failure to follow any instruction in this Guide may lead to risks of equipment damage, electric shock, severe personal injury and even death, and may also void the warranty ([FranklinWH Support](#)).













The DANGER, WARNING, and NOTE alerts are supplemental to the safety instructions and are not exhaustive.





Safety Symbols

	<p>DANGER: This indicates a hazardous situation, which if not avoided, could result in serious injury or death.</p>
	<p>DANGER: There are fire risks in the battery packs.</p>
	<p>WARNING: This indicates a situation where failure to follow instructions may be a safety hazard or cause equipment malfunction. Use extreme caution and follow instructions.</p>
	<p>NOTE: This indicates information important for optimal system operation. Follow instructions.</p>
	<p>PROTECTIVE GROUNDING TERMINAL: This indicates the position of grounding connection on the equipment.</p>
	<p>WAIT TIME: It means there are electric shock risks inside the equipment, please wait 5 minutes before proceeding.</p>
	<p>ELECTRONIC DEVICE: DO NOT THROW AWAY. Scrapped electronic products and batteries cannot be disposed of together with household wastes. Please consult your local laws and regulations for further information.</p>












Safety Instructions for Operation

	DANGER: The installation, wiring, maintenance, transportation, and handling of each aGate and aPower should follow local laws, regulations and standards, and the Safety Instructions in this Guide serve as supplementation to the laws, regulations, and standards.
	DANGER: Before any electrical operation starts, please turn off the grid power supply switch, generator input switch, the PV input switch, the load switch, and lock the switches. If the switches cannot be locked, please lock the distribution box where the switches are installed. A warning sign, Out of Operation , or Do NOT Turn On , should be hung.
	DANGER: Both aPower and aGate are electrical equipment, and improper operation may lead to electric shock, energy hazards, or chemical hazards. Please do NOT open the cabinet or disassemble without express direction from the FranklinWH service team.
	DANGER: Only FranklinWH certified and qualified technicians can install, maintain, or replace aGate and aPower equipment or wiring. They must wear personal protective equipment (PPE) during operation.
	DANGER: It is strictly forbidden to work on or operate the system alone. For safety, make sure that there is someone around you who can help.
	DANGER: It is strictly forbidden to install, maintain, or handle the system outdoors during bad weather conditions, such as lightning, thunder, rain, snow, or strong winds.
	DANGER: In case of a battery fire, please take action as instructed in the Safety Data Sheet .
	DANGER: The aPower must be carefully handled and installed using lifting equipment to avoid injury to installers or the aPower.
	DANGER: During the transport and handling of aGate and aPower units, extreme care is required to avoid dropping, bumping, stomping, or inverting the equipment. To prevent potential damage, please keep all aPower units in their packaging until ready to install.
	DANGER: During use, storage, and transport, ensure that the ambient temperature of an aPower does not exceed 122° F (50° C), that it is not near flammable items, and that the cooling system and vents are not blocked.
	DANGER: Do not attempt to take apart, repair and/or modify an aGate or aPower without the authorization of FranklinWH. And it is prohibited to open the battery pack chamber in any situation. Otherwise, it may lead to safety hazards and void your warranty.

	DANGER: To prevent misoperation, ensure that the upstream and downstream switches are disconnected and padlocked during installation or maintenance.
	DANGER: If an aPower or aGate is found damaged (except for minor defects in exterior painting) after it is unboxed or malfunctioning on installation, please do NOT operate it and contact your after-sales service provider for support.
	DANGER: Before any installation and commissioning of an aPower, please keep the round switch button on the right part of aPower off (extended, flush with the case) and prevent the ON/OFF switch from being operated by mistake.
	DANGER: If the aPower battery is leaking electrolyte, smoking, or catching fire, if it is safe to do so, disconnect the AC power from the FranklinWH system, and turn off the aPower switch to stop charging and discharging the battery.
	DANGER: The installation of the FranklinWH system must comply with all applicable codes and requirements set by the local AHJ and/or the state.
	DANGER: Both electric connection and electric isolation need to comply with the local standards and National Electric Codes (NEC), ANSI/NFPA 70 or Canadian Standards Association CSA C22.1.
	DANGER: The installer needs to provide suitable conduits and cables, and complete the installation process in accordance with the local regulations and UL 514B.
	WARNING: For maintenance purposes, do NOT use any parts or fittings that are not listed in this Guide or that are purchased from any source other than FranklinWH or its recognized dealers.
	WARNING: Measures should be taken to prevent foreign objects from entering any aPower or aGate.
	WARNING: Do NOT use paint on any part of an aPower or aGate, whether internal or external, especially on the protective cover except for exterior paint that has been worn out or damaged in the transportation, installation, or maintenance process. The damaged part can be repaired with paint or topcoat of the same color.
	WARNING: Do NOT connect an aPower directly to the PV inverter.
	WARNING: Before installation, do not store an aPower on site for more than one month. After installation, do not turn on the aPower before connecting the PV and grid, otherwise the battery will be depleted due to a long period of time without charging.

	WARNING: The FranklinWH system is composed of one or more aGate controllers, one or more aPower batter units, and other electrical components which may be used separately.
	WARNING: An aPower may only be connected to the aPower breaker on the aGate or to the backup load terminals on aGate.
	WARNING: The inputs from grid and generators may only be connected to the respective reserved terminals on the aGate.
	WARNING: The operation of the FranklinWH system requires an Internet connection. Extended offline operation may result in a voided warranty. Please refer to FranklinWH Support for information.

Safety Instructions for Installation Site

	DANGER: The installation site of aPower and aGate units should be kept away from heating devices, or any source of heat and/or fire.
	DANGER: The aPower and aGate installation area should be well-ventilated to maintain the ambient temperature within -4° F to 122° F (-20° C to 50° C) and the relative humidity between 5% and 95%.
	DANGER: The aPower and aGate installation area shall not be located in areas subject flooding or standing water. The aPower battery and integrated inverter are rated IP67, while the wiring compartment is rated IP56.
	DANGER: The aPower and aGate installation area should be away from flammable and explosive materials.
	DANGER: The installation site for the aPower should have a fire detection and protection system that meets the local AHJ, building and fire codes requirements.
	WARNING: Before the installation starts, engineers should check and locate the embedded electric wires and water pipes to avoid potential property damage and personal injury during the installation process.
	WARNING: aPower units may be installed on the floor or on walls; floor installation is recommended. If wall-mounted, the wall should be able to provide sufficient bearing capacity.
	WARNING: The aPower and aGate installation site should have no water source above it or in the vicinity, including water pipes, shower, faucet, and containers of liquids.
	WARNING: The installation site should be properly leveled and hardened if the aPower is floor mounted. If there is grass nearby, a layer of cement or slab stone must be placed on the projection area around the equipment to prevent grass growth and protect the equipment.
	WARNING: Do NOT clean aPower and aGate units with cleaning agents or expose them to flammable or irritant chemicals or their vapors.
	WARNING: It is required that either Ethernet or Wifi connectivity is provided at the aGate installation site. Ethernet and Wifi connections are more reliable, but 4G connection are also possible, though not suggested as the primary method.



RECOMMENDATION: The aPower and aGate installation site should be protected from direct exposure to sunshine, rain, and snow. A shade structure is recommended depending on the location. It is recommended to avoid a direct south-facing orientation when installing outdoors for optimal performance.

Fire and Other Emergency Situations

Fire:

- Shut off the aPower breaker on the aGate, if it is safe to do so.
- Evacuate to a safe area.
- Contact 911 as soon as it is safe to do so.
- Use approved fire extinguishing devices, if it is safe to do so.

Flood:

- Shut off the aPower breaker on the aGate if it is safe to do so.
- If the wiring sections of an aPower or aGate are submerged, please stay away from the water. Electric leakage may result in electric shock.
- Drain the water to protect the system if it is safe and possible.
- If water rises to the battery level, please call your installer for inspection. If the water level is below the battery chamber, please allow the site to completely dry.

Abnormal noise, odor, or smoke:

- Shut off the aPower breaker on the aGate, if it is safe to do so.
- Check and ensure your aPower is well ventilated and the vents are not blocked.
- Keep the installation site well ventilated.
- Call your after-sales service for support.

FranklinWH System Overview

The FranklinWH System is a comprehensive whole-home energy solution designed for residential applications requiring energy independence, cost optimization, and grid resilience. The system consists of three key components:

- **aGate:** An intelligent power management unit that provides whole-home power control.
- **aPower:** An energy storage unit featuring an integrated battery management system (BMS) and inverter.
- **FranklinWH App:** An app that helps both installers and homeowners configure, monitor and manage the system in real-time.

System Capabilities

The FranklinWH System manages and stores energy from multiple sources including the electrical grid, photovoltaic (PV) systems, certain approved electric vehicles (EVs), and backup generators. This stored energy can be strategically deployed to:

- Provide reliable backup power during grid outages (whole-home or partial-home backup)
- Optimize energy costs through time-of-use rate management and peak demand reduction
- Maximize PV self-consumption by storing excess solar generation for evening and nighttime use
- In a multiple-tariff use-case, selectively charge from non-exporting PV and allow exporting (net-metered or other) PV to export to the grid in compliance with evolving utility and regulatory standards
- Enable system owner and operator participation in Virtual Power Plant (VPP) and similar grid services programs

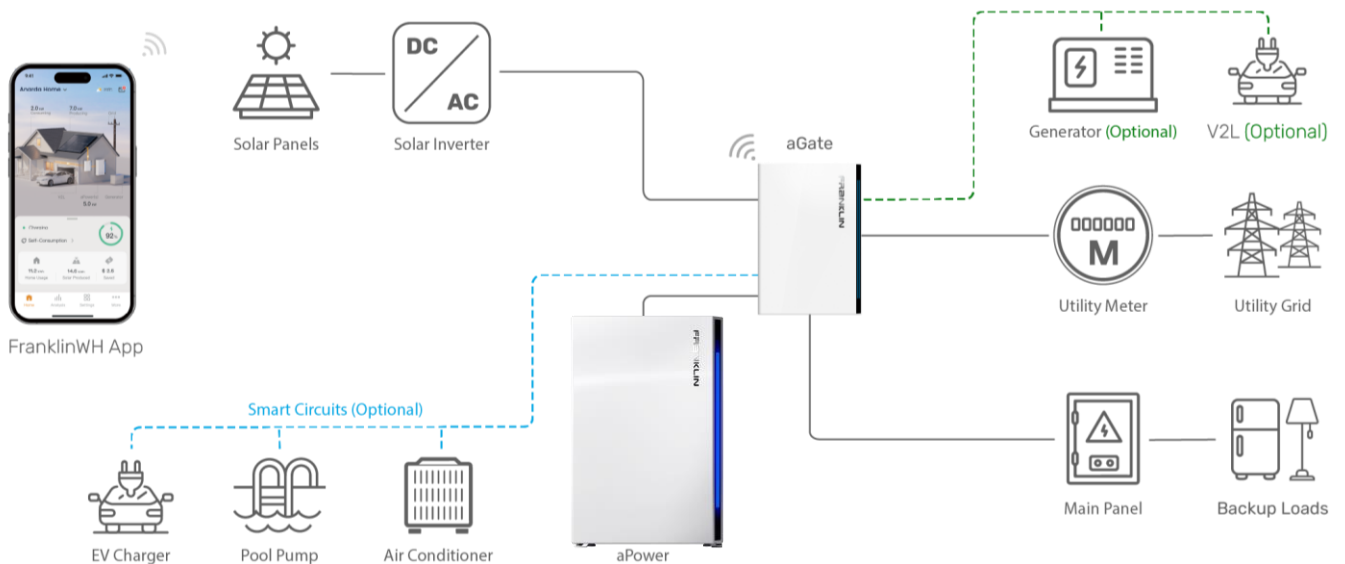
Operation and Control

System owners and operators can monitor and operate their systems remotely through the FranklinWH App, providing real-time visibility and control over their home energy management. The system's AC coupling and advanced energy management technologies deliver reliable household backup and intelligent load control capabilities suitable for residential installations.

Important: Load selection for whole-home versus partial-home backup configurations must be completed during the system design phase.

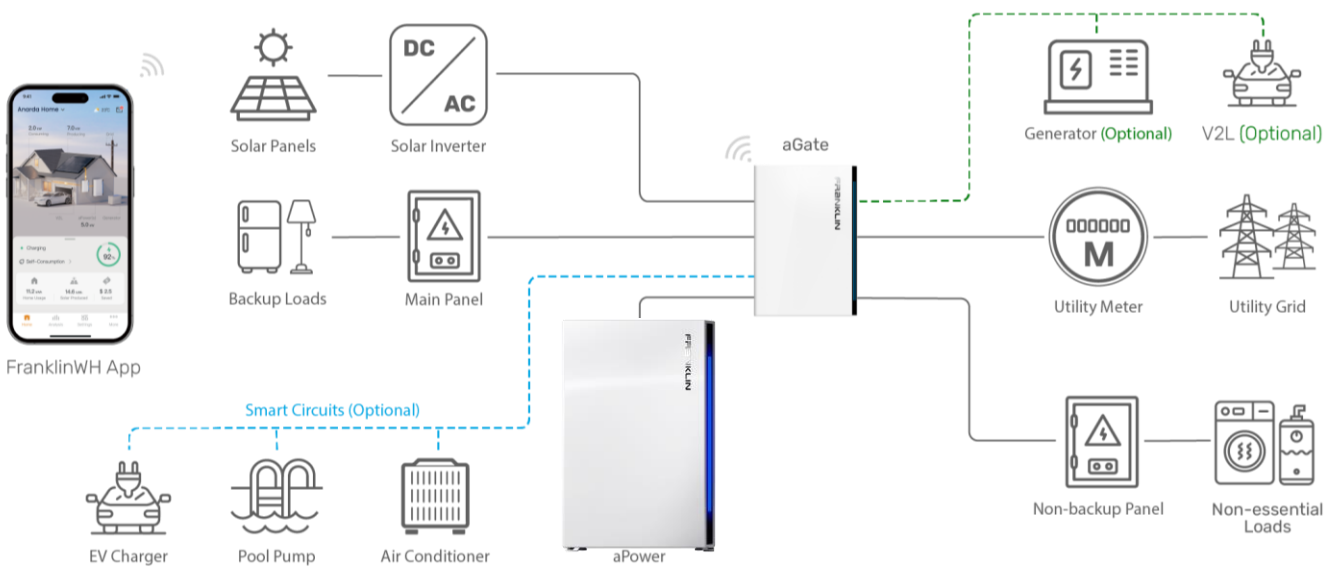
Whole-Home Backup System

In the whole-home backup system, all household loads, except for those on Smart Circuits, are connected via the Main Panel to the backup port of the aGate. If the grid fails, the FranklinWH system will power all household energy loads.



Partial Backup System

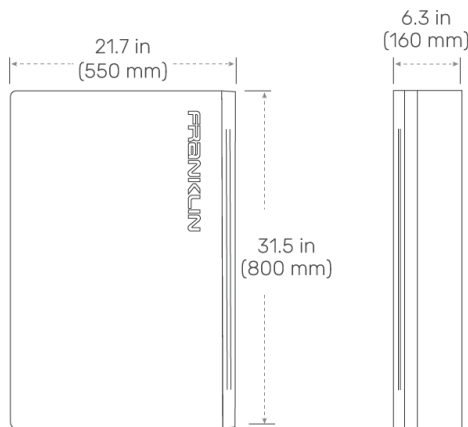
If you select a partial backup configuration, you need to identify backup loads during system configuration. Connect the backup loads (except for Smart Circuit loads) to the aGate backup port and connect the non-backup loads to the aGate non-backup port. If the grid fails, the system will only power the backup loads during an outage.



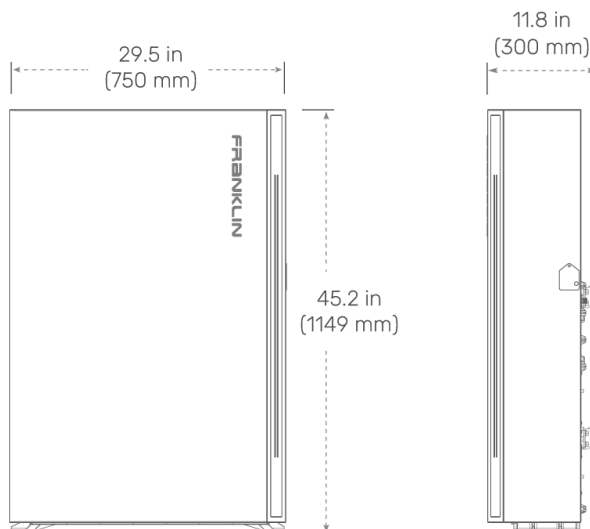
Installation Preparations

Mechanical Specifications

aGate X	
Dimensions (H × W × D)	31.5 in × 21.7 in × 6.3 in (800 mm × 550 mm × 160 mm)
Weight	38.6 lb. (17.5 kg)



aPower 2	
Dimensions (H × W × D)	45.2 in × 29.5 in × 11.8 in (1149 mm × 750 mm × 300 mm)
Weight, aPower 2 Complete	357 lb. (162 kg)
Weight, without Cover	335 lb. (152 kg)
Weight, Cover	22 lb. (10 kg)



Site Planning

1. Plan installation position

NOTE

The installation location must avoid water and power conduits. Refer to all applicable local codes and standards.



The operating temperature range for the aPower is -4° F to 122° F (-20° C to 50° C). The aPower X uses a heating blanket (pre-installed in the battery) for cold temperature reliability. If the installation site experiences prolonged cold weather, it is recommended to install the batteries indoors in a regulated environment.

Recommend installing the aPower and aGate in an area where there is no direct exposure to sunshine, rain, or snow. A shade structure is recommended, or at the very least, a design without direct south-facing exposure, depending on the location. If the aPower and aGate are installed in a hot area, the aPower may derate its output.

- a) Choose a mounting location that can bear the weight of the aGate, aPower and bracket.
-



NOTE: The clearance details below are general guidelines for spacing in accordance with NEC requirements. For countries or regions where NEC requirements are not applicable, please consult with your AHJ or Utility before finalizing the spacing.

aGate

There should be at least 6 in. (0.15 m) clearance from the top of aGate to the ceiling, and 36 in. (0.91 m) of clearance in front of the aGate.

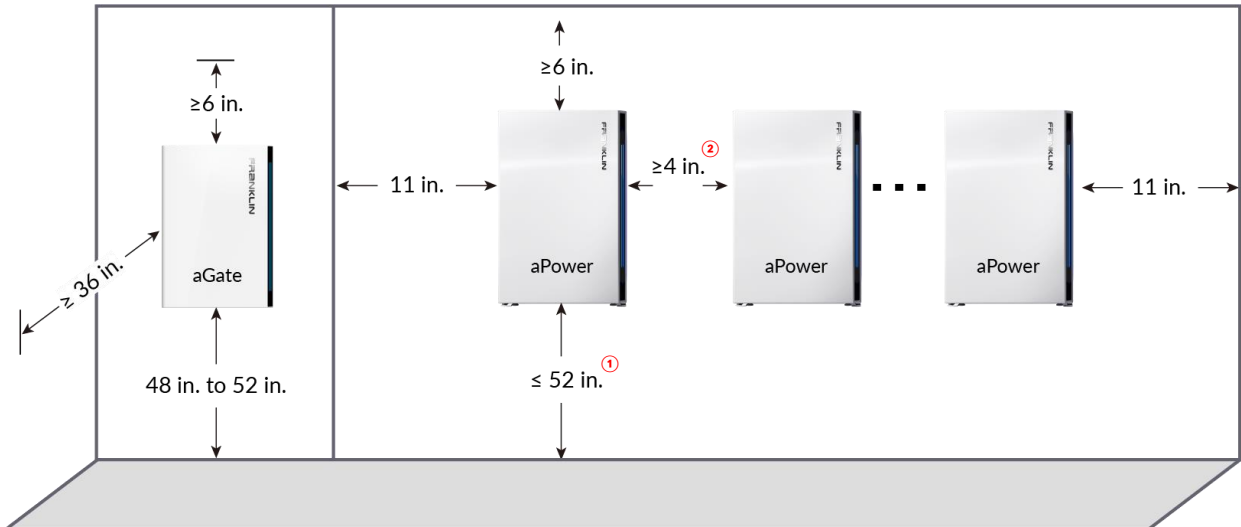
The recommended distance between the bottom of aGate and the ground is 48 in. (1.2 m), not exceeding 52 in. (1.3 m). The maximum distance between the power switch button on the aGate and the ground shall not exceed 79 in. (2 m) per the NEC requirements.

aPower

There should be a minimum clearance of 6 in. (0.15 m) from the top of aPower to the ceiling.

For an aPower mounted on a wall, the maximum distance between the bottom of the aPower and the ground shall be \leq 52 in. (1.3 m) i.e., **the maximum distance between the aPower switch button and the ground shall not exceed 79 in. (2 m) per NEC 404.8(A) requirements.**

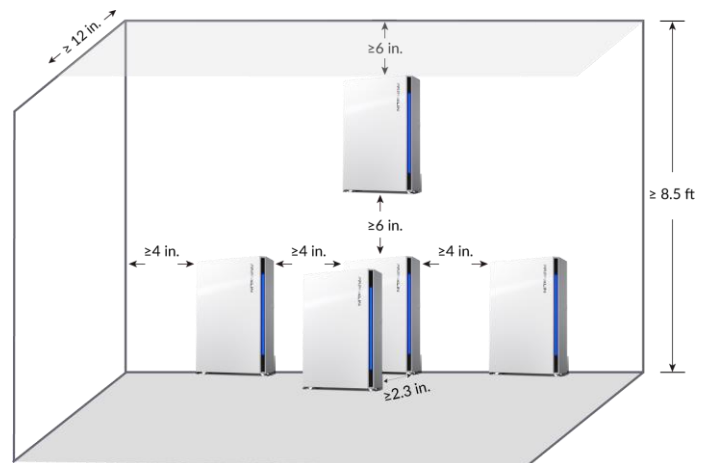
The recommended distance from an aPower to windows or the side walls is 11 in. (0.28 m). The minimum clearance between adjacent aPower units is 4 in. (0.1 m). Ensure adequate spacing for connection access.



- ① NEC 408.4(A) requires the aPower switch to be no more than 79 in. (2 m) from the ground.
- ② 4 in. (0.1 m) between adjacent aPower units is UL9540A required clearance. Refer to all applicable local codes and standards.

The aPower 2 can be installed in multiple configurations, including horizontal, vertical, and front-to-back orientations. Please note that FranklinWH currently does not offer any accessories or mounting bracket for front-to-back stacking. All configurations and clearances have been tested and approved in accordance with UL 9540A:2019 (Fourth Edition). Ensure that all battery installations, regardless of configuration, comply with applicable national and local codes and regulations. For more information, contact engineering@franklinwh.com.

Description	Space
Vertical stacking clearance	≥ 6 inch (150 mm)
Front-back clearance	≥ 2.3 inch (58 mm)
Wall height for vertical stacking	≥ 8.5 ft (2.6 m)
Space to room top	≥ 6 inch (150 mm)
Vertical stacking depth	≥ 12 inch (305 mm)
Front-back stacking depth	≥ 25 inch (635 mm)



- b) The system requires an internet connection. All signal transfers between aPower and aGate units, the generator, and the router are provided by a CAN bus, network cables or other signal transmission cables. Long distances will likely adversely affect the quality and speed of communications, negatively impacting equipment operations. Recommended maximum cable lengths listed below.

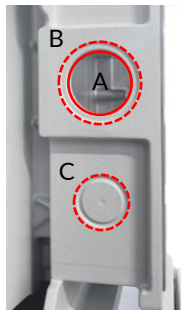
Connection	Maximum cable length
aPower to aGate	164 ft (50 m)
Split CT to aGate	49 ft (15 m)

2. Plan the positions of knockout entries

aPower knockout entries

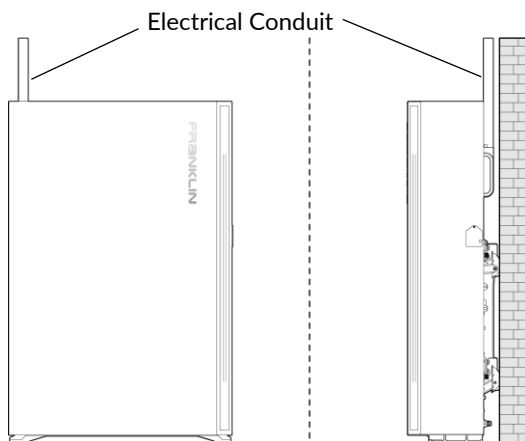
The positions of the knockout entries on the aPower 2 are shown below. The following scenarios offer options for the cable entry point and outlets to accommodate variations in the existing residential wiring layout.

The pre-punched hole (A) on the wiring compartment of the aPower 2 is 1.38 in. (35 mm) and it can be expanded to (B) 1.67 in. (42.5 mm). There is a knockout hole (C) below it with a diameter of 1.12 in. (28.5 mm). The following conduit trade sizes are supported.



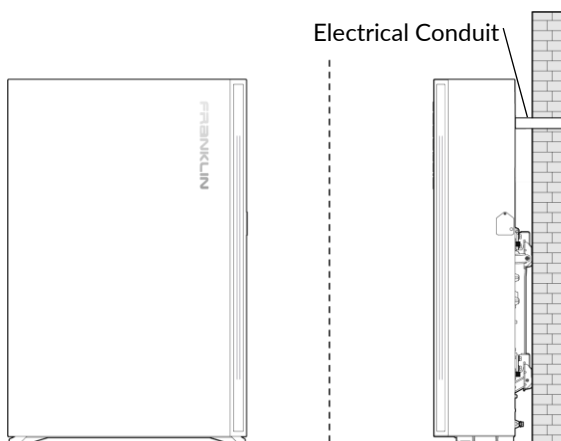
Cable Entry Holes		Hole Size	Conduit/Pipe Size	Wall Thickness
A	Hole molded	1.38" (35 mm)	NPT 1"	0.38 in. (9.5 mm)
B	Hole expandable	1.67" (42.5 mm)	NPT 1-1/4"	0.38 in. (9.5 mm)
C	Hole mark	1.12" (28.5 mm)	NPT 3/4"	0.06 in. (1.5 mm)

Scenario 1: The electrical conduits and aPower share the same side of the wall.



Gasketed pull boxes and sealing rings must be used to ensure the tightness of the wiring compartment.

Scenario 2: The cables will connect to the aPower from inside or through the electrical conduits through the wall.



Sealing rings must be used.

A good seal must be guaranteed between the electrical conduits and the wiring compartment which can be achieved by using a conduit hub, sealing rings, or caulk.

aGate knockout entries

The positions of the knockout entries on an aGate are as shown below. The following scenarios offer options for the cable entry points of an aGate to accommodate variations in the existing residential wiring layout.

The knockout holes on the left and lower panel of aGate are 1.38 in. (35 mm) in diameter, while the plug hole on the upper panel is 2.49 in. (63 mm) in diameter. If the knockout holes do not match the electrical conduits in hub diameter, additional reducing fittings will be needed to achieve the required IP grade.

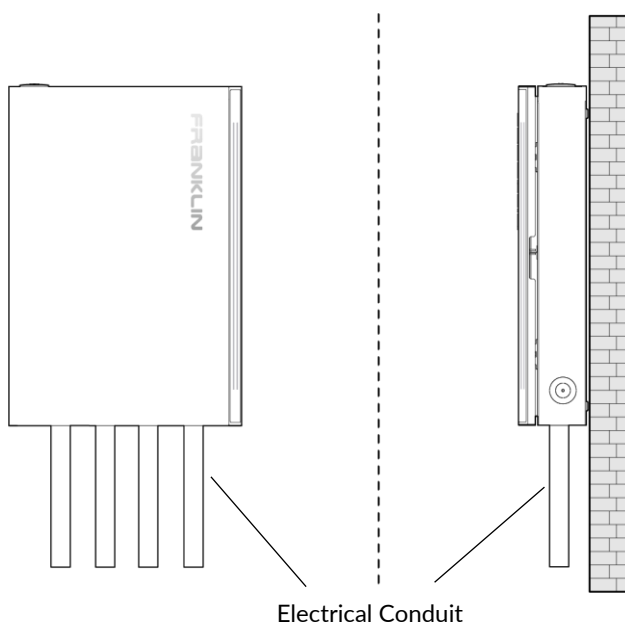
WARNING



It is recommended to install cables through the bottom of the aGate.

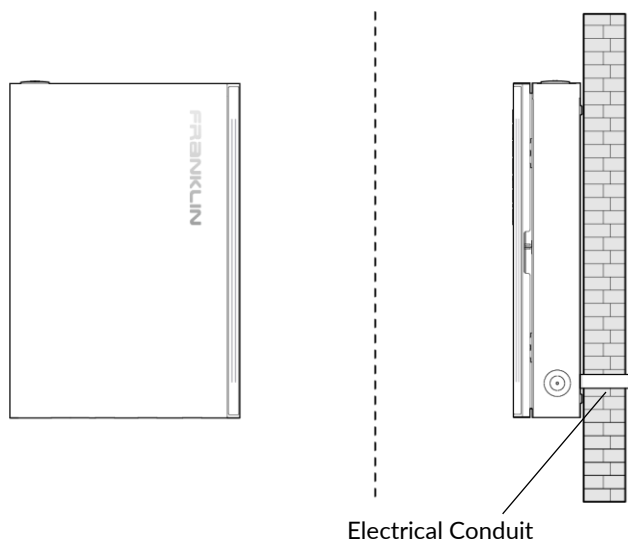
If a top inlet cable is installed, additional waterproofing measures must be taken.

Scenario 1: aGate and electrical conduits share the same side of the wall.



If the aGate is installed outdoors, the electrical conduit is connected to aGate through the cable inlet on the upper panel. Water-proof sealant or caulk should be used between the reducing fitting, hub, electrical conduit, and aGate to enhance the water tightness.

Scenario 2: Cables are run in electrical conduits and enter aGate from inside or through the wall.



In this case, a conduit hub will be needed to ensure the IP grade of the aGate.

3. Plan protection for aGate's input connections

The aGate serves as the entrance to the FranklinWH system. Lightning and over-current protection are recommended for all installations. A circuit breaker of 100 A to 200 A may be installed at the grid input connection and the generator input connection. Please refer to [Install breakers as needed](#) in this Guide for the recommended models of circuit breakers.

4. Plan the types, sizes and routes of cable and electrical conduits

- a) Please refer to [Wiring Requirements](#) for recommended cable types and wire diameters.
- b) As cables run through the electrical conduits:
 - The current-carrying capacity of the cables needs to be reduced. Please refer to the applicable information in Appendix B of NFPA 70.
 - The relationship between wire diameters, cable numbers, and inner diameters of conduits should be taken into consideration. Please refer to Appendix C of NFPA 70 for the list of maximum numbers of cables of the same size in the electrical conduits and pipelines.
- c) The type of electrical conduits depends on the installation type, indoor or outdoor:
 - IMC, EMT and other thin-wall metal conduits are recommended for indoor installations. These two types of conduits are cost effective, provide excellent anti-electromagnetic interference, and are easy to shape and to joint.
 - In outdoor installations, GRC and RMC thick-wall conduits are recommended because they can provide effective mechanical protection and good tightness at the conduit joints. Thick-wall conduits have a reduced flexibility disadvantage which makes bending and jointing very difficult.

5. Fire Code Compliance

The installation must comply with all applicable local codes, relevant regulations, and the requirements of local fire authorities.

6. FCC Requirements

See preface for the applicable FCC Requirements. The installer should inform customers of the contents in Appendix 2.

Tools Needed

- Personal Protection Equipment (PPE) (goggles, gloves, protective shoes, anti-dust respirator, etc.) for personal safety.
- Drill
 - ✓ Use 5/32" Brad Point bits or 5/32" Auger bits to drill pilot holes in wooden walls.
 - ✓ Use 1/2", 3/4", 1", 1-1/2", 2" sized wood bits to create holes in wooden walls.
 - ✓ Use 1/2", 3/4", 1", 1-1/2", 2" sized hole saw bits to create holes in metal walls.
- Hammer drill
 - ✓ Use 1/2", 3/8" Masonry bits to create pilot holes on concrete or brick walls.
 - ✓ Use 1/2", 3/4", 1", 1-1/2", 2" Diamond core bits to create holes in concrete or brick walls.
- Electric screwdriver and cross screw bits to tighten the fastening screws.
- Torque wrench and bent-handle ratchet wrench.
 - ✓ 11/32", 5/16", 7/16", and 3/8" hex sockets, to tighten and check the torque of outer hex bolts.
 - ✓ 3/16" and 7/32" inner hex screwdriver bits to fasten cables at circuit breakers and pressure connectors and to check the torque.
 - ✓ 3/16", 1/4" straight screwdriver bits to fasten cables at circuit breakers and connectors and to check the torque.
 - ✓ PH2, PH3 cross screwdriver bits to fasten cables at circuit breakers and to check the torque.
 - ✓ 6" ratchet extension.
 - ✓ 1/4" open end interchangeable torque wrench to fasten relays and to check the torque.
- Flat head screwdriver (1/8" x 4", 1/4" x 4") to fasten signal terminals.
- Phillips head screwdrivers (PH#2 x 4", PH #3 x 4") to tighten fasteners.
- Claw hammer to break knockout holes.
- Utility knife to cut open boxes.
- Needle nose, vise grip, wire stripper, wire cutter, utility wire shear, and other cable preparation tools.
- Wire crimper, network cable testers, wire tracker, and other network cable preparation tools.
- Induction electro probe to detect the cables in walls to avoid short circuits when drilling.
- Multimeter to measure voltage, current and other electric parameters.
- Loop resistance tester to measure the wiring resistance and to detect poor connection of cables.
- Task light to illuminate the area when power supply is off.
- Level to check whether the equipment is installed on level and plumb.

- Measuring tape.
- Markers for drilling marks.
- Camera to record the installation process.
- Deep cut band saw to cut thin-wall steel conduit or PVC pipes.
- FranklinWH lifting dolly.
- Conduit bender to bend thin-wall steel conduits, with the head size depending on the types and sizes of conduits, with $\Phi 1/2''$, $3/4''$, $1''$, $1-1/2''$, $1-1/4''$, $2''$ benders.
- Knockout tool kit to drill holes for conduits on the distribution box case.
- Adjustable wrench, size: 0-1.97 in. (0-50 mm).
- 6", 10", 18" pipe wrenches.

Torque Requirements

Screw type	Cross head screwdriver	Tightening torque
M4	PH2	1.03 lb·ft (1.4 N·m)
M5	PH2	2.21 lb·ft (3.0 N·m)
M6	PH3	4.42 lb·ft (6.0 N·m)
M8	PH3	8.85 lb·ft (12.0 N·m)

Items Provided by Installers

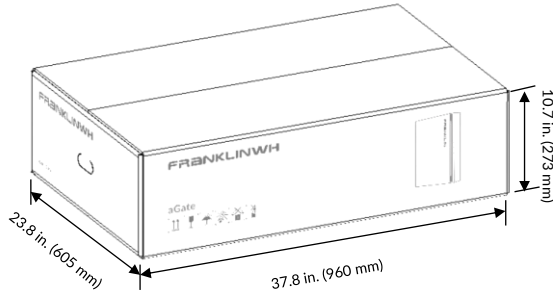


1	Electrical conduit, conduit hub, pull box and fittings
2	Screws and M6/M8 big spacers for wall installation
3	aPower combiner box (for parallel operation of multiple aPower units)
4	5/8 in. Type X plasterboard
5	Copper or aluminum cables
6	Circuit breakers. For details, refer to the circuit breaker and optional parts section for circuit breaker models
7	Reducing washer conduit fittings
8	Network cable and registered jacks
9	Antioxidant conductive paste
10	Sealant (for use on outdoor conduits)

Unboxing

Unbox the aGate

- 1) Inspect the package for damage, scratches or dents.



- 2) Adjust the utility knife blade to less than 0.3 in. (7.62 mm) as it may damage the aGate if too long. Cut the adhesive tape on the upper surface of the aGate box.
- 3) Open the aGate box, take out the template guide board and accessories, and then take the aGate out of the box.
- 4) Check if you have the following:

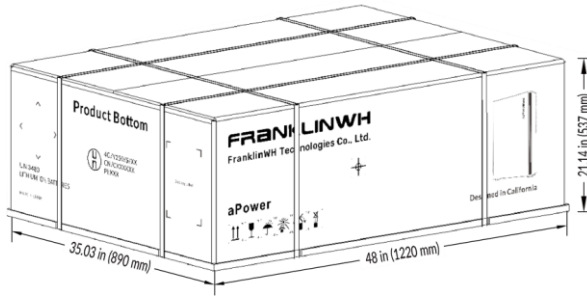


1	2	3	4
aGate	Switch tag	Grid relay reset handle toggle	1/4" water-tight washer
5	6	7	8
Cable ties	Main switch mounting screw M4 × 10	aPower breaker fastener	5m communications cable

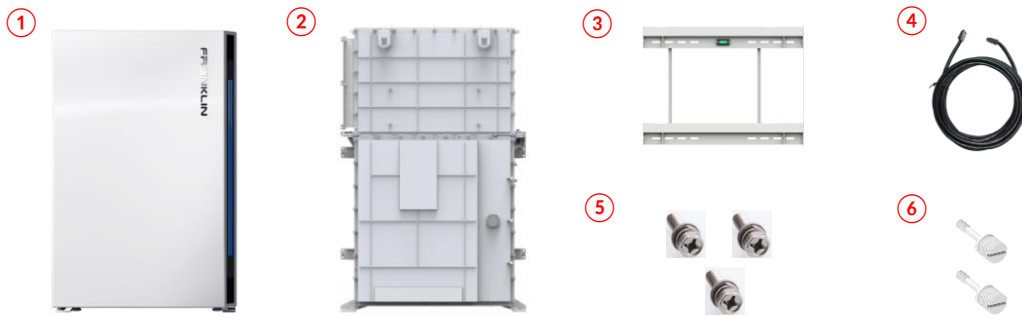
- 5) Remove the packing foam from both sides of the aGate and remove the PE bag.

Unbox the aPower

- 1) Inspect the package for damage such as dents or scratches.



- 2) Cut the sealing tape and lift the cardboard cover.
- 3) Remove the protective box and top foam.
- 4) Check if you have the following:



1	2	3
Exterior cover	aPower chassis	Mounting bracket
4	5	6
2 m Communications cable	M 6 x 16 screws	Captive screws

- 5) Stand the aPower upright (logo faces up). Several installers should work together to prevent the equipment from falling.
- 6) Using a lift, move the aPower to the installation site.



NOTE: Wrap the aPower in a protective blanket and keep the aPower well fastened to the dolly during transportation and handling to avoid scratches or damage.

Installation



DANGER: Care must be taken to protect personal safety. Reinforced toe shoes must be used to protect the installers in case equipment tilts or falls.



aGate Installation



WARNING: Add lightning protection measures per NFPA 780, UL96A, and LPI-175.

NOTE

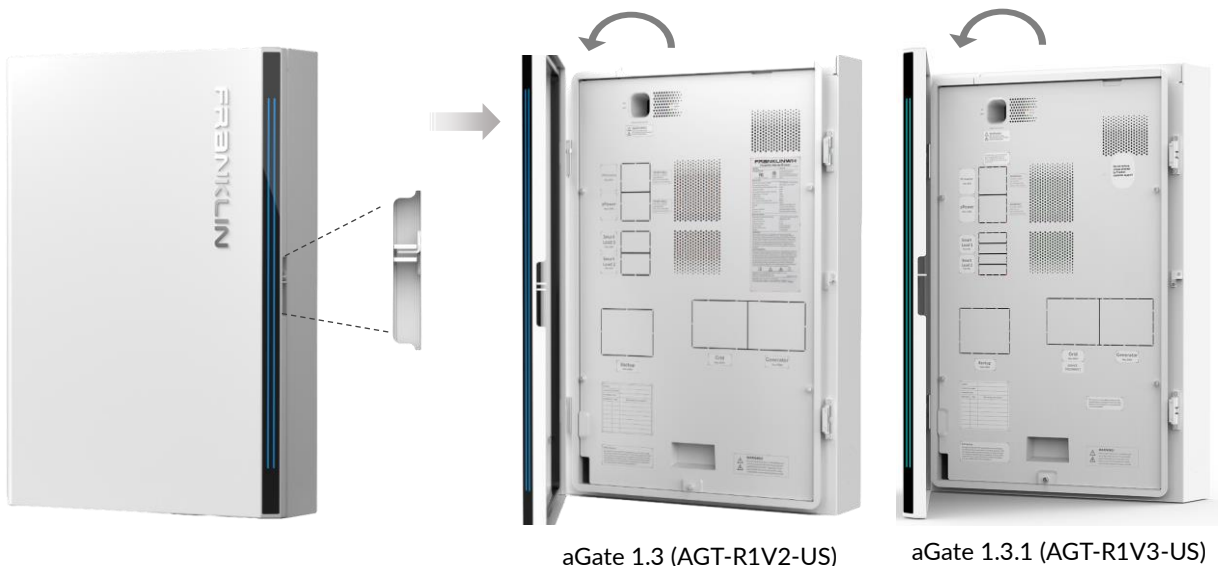


- The drill template guide board will be used for drilling mounting holes. Keep it in good condition prior to use.
- The film wrapped around the aGate will be used to protect the internal components of the aGate when drilling mounting holes. Do not damage or dispose of the film until the drilling is complete.
- During the installation process, keep the aGate well protected from hard objects that may scratch the aGate surface and body.

Remove the aGate Door and Inner Panel

1) Remove the door

- Grasp the small notch on the right side of the aGate. Lift it slowly until the door of aGate is completely open.



WARNING: The door may only be opened to a maximum of 100°, beyond which the door may be damaged.

- b) Gently lift the door panel upward, remove the aGate door after the hinges are separated, and properly store it.

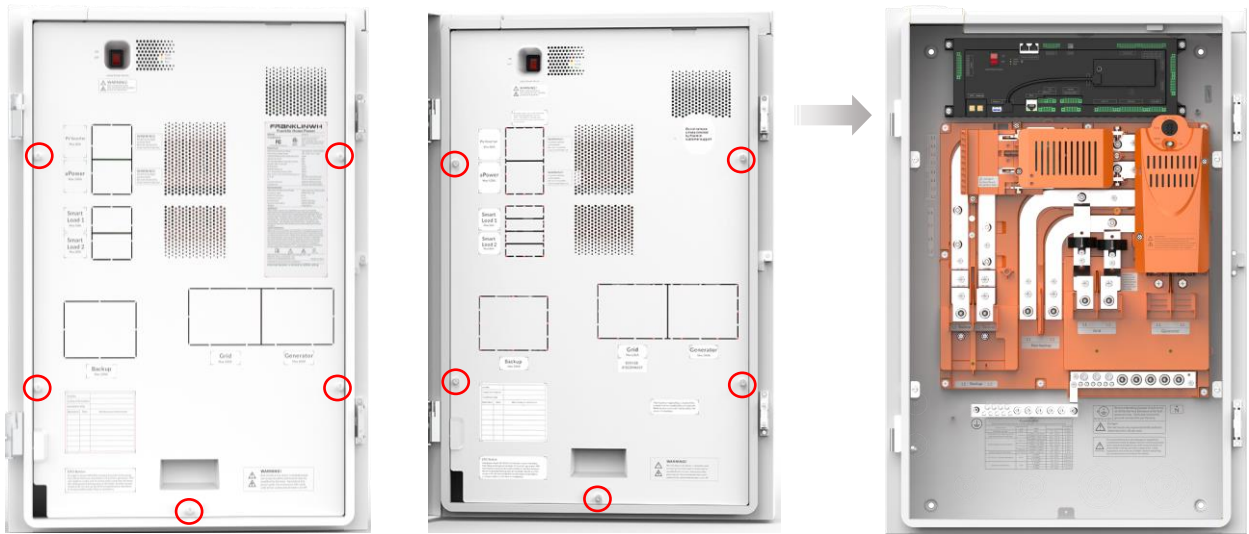


aGate 1.3 (AGT-R1V2-US)

aGate 1.3.1 (AGT-R1V3-US)

2) Remove the Inner Panel

Use a Phillips head screwdriver to loosen the 5 captive screws, counterclockwise. Remove the screws, and the aGate inner panel. Properly store the inner panel and screws for later use.



aGate 1.3 (AGT-R1V2-US)

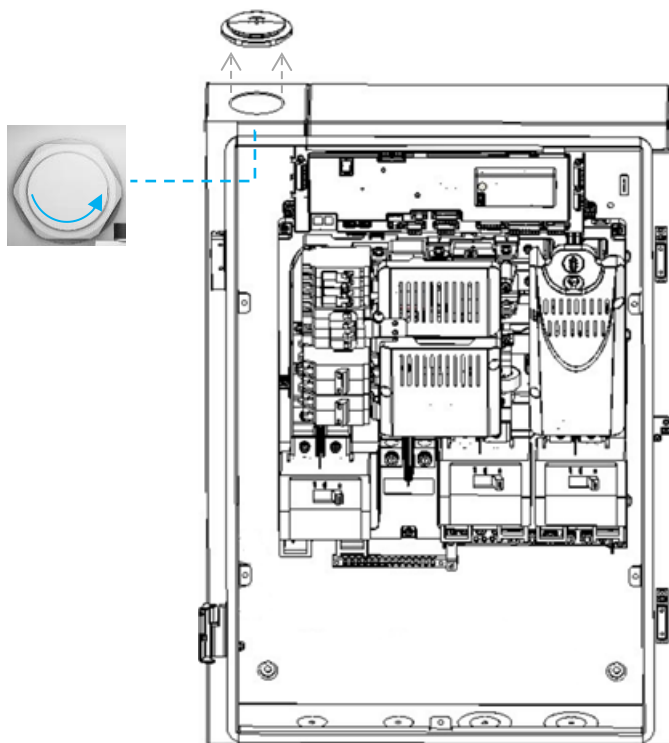
aGate 1.3.1 (AGT-R1V3-US)

Prepare aGate Cable Entries

Based on the preplanned installation position and electrical conduit arrangement, remove the appropriate aGate plug or knockouts.

1) Remove the plug

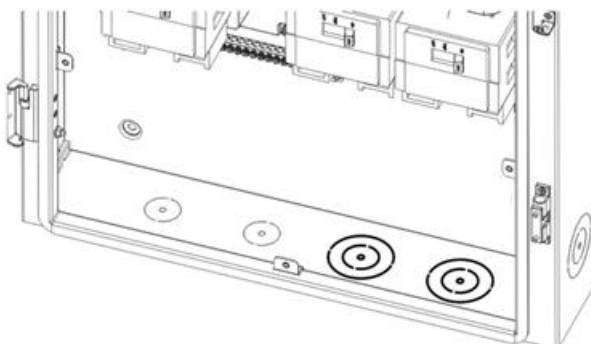
The plugged hole on the top of the aGate enclosure is 2-15/32" (62.71 mm) in diameter. If the top cable entry is used, turn the plug nut counterclockwise by hand, until the nut is removed, then remove the plug.



WARNING: It is recommended to install cables through the bottom of the aGate. If a top inlet cable is installed, waterproofing measures must be taken.

2) Remove the knockouts

All cable knockouts in the aGate enclosure are 1-23/64" (34.53 mm) in diameter with the two on the bottom right, and the one on the right side can be expanded to 2-15/32" (62.71 mm).



Drill out the necessary cable access holes from the aGate.

Enlarge or Drill New Holes (if necessary)

If the conduit diameter is larger than the aGate knockout hole, or if any new hole needs to be drilled, appropriate tools should be used to expand the hole or to drill new holes.



WARNING: To avoid damage to equipment, shield all aGate interior electrical boards and components before you drill or punch holes, to avoid debris falling into the aGate.

The aGate is shipped in a protective film. When enlarging or drilling new holes on the aGate, unwrap the outer film and use it to protect the components inside the aGate. Keep the film in place while drilling and punching holes. Remove all dust and debris before unwrapping the aGate for mounting.

White film wrapped on delivery



Internal components protection



Mount the aGate on a Wall

Follow the procedures below to install the aGate on a wall.

- 1) Place the aGate guide board template at the planned installation position. Adjust the guide board to level and then make marks at the four holes on the guide board.
- 2) Using an appropriate drill bit, drill holes in the wall. Then mount the aGate enclosure vertically on the wall. The water-tight washers provided must be used when mounting the aGate.


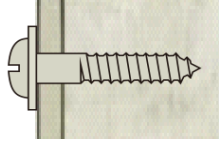
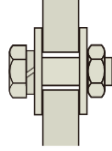


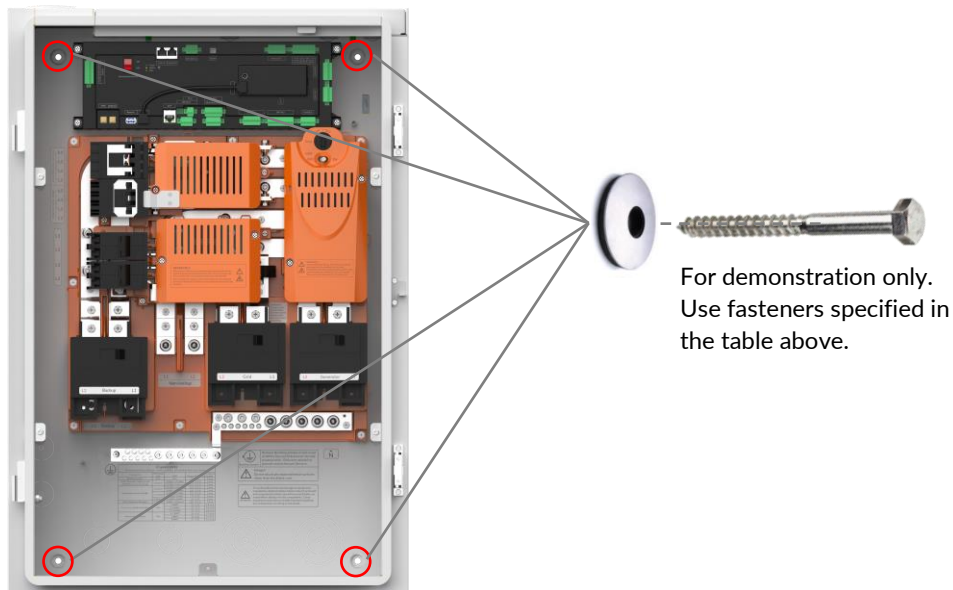
DANGER: Avoid drilling holes in water pipes and cables in the wall.



WARNING: Cover any nearby aPower top heat dissipation hole during drilling to protect from gravel dust.

See drilling details and the fasteners in the table below for more details on the hole depth and type of fasteners to use corresponding to different type of wall.

<p>Concrete or brick</p>	<p>Hole depth: Minimum 1-1/2" (38 mm) Fastener: 1/4" (6.35 mm) water-tight washer, spring washer, and nuts</p>	
<p>Wooden beams</p>	<p>Hole depth: Minimum 2.5" (64 mm) Fastener: 1/4" (6.35 mm) water-tight washer, wood screw with a large flat washer</p>	
<p>Steel beams</p>	<p>Hole depth: Through the steel beam Fastener: 1/4" (6.35 mm) water-tight washer, 1/4" (6.35 mm) stainless steel hex screws with spring washer and large flat washer and hex nuts</p>	



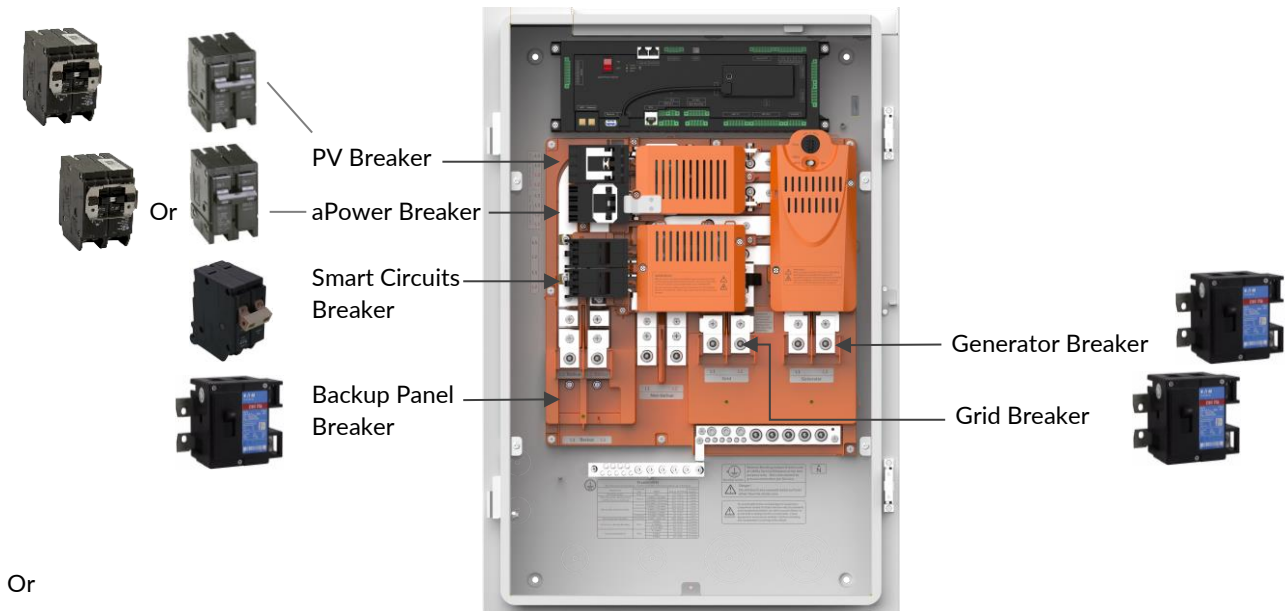
Install Optional Module(s)

FranklinWH provides optional the Smart Circuits Module, Generator Module, Main Load Relay, and Backup Expansion Lug Kit. For these modules' installations, refer to *FranklinWH Smart Circuits Module Installation Guide*, *FranklinWH Generator Module Installation Guide*, *FranklinWH Main Load Relay Installation Guide* and *FranklinWH Backup Expansion Lug Kit Installation Guide*.

Install Breakers as Needed

Install any needed breakers for PV, aPower, Smart Circuits, the backup panel, grid, and generator, according to local laws, regulations, standards, and National Electric Codes (NEC), ANSI/NFPA 70 or Canadian Standards Association CSA C22.1. These breakers are not included and must be ordered separately. Refer to [Appendix: Allowed Breakers](#) for compatible breakers.

Breaker installation positions are noted in the image below:



Or

- 1) Before installation, make sure that the aGate is de-energized and the upstream and downstream switches are disconnected and locked out (LOTO) during installation.
- 2) Install the PV breaker, an aPower breaker, and Smart Circuits breakers at the locations indicated in Figure 1.

aPower Breakers Options

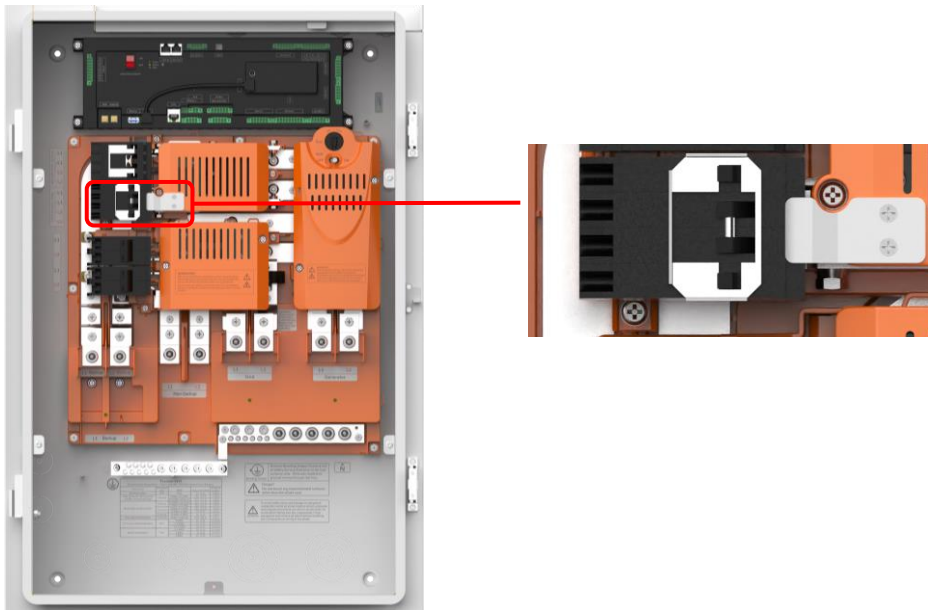
Select the appropriate aPower breaker based on the desired power output.

Nominal Output Power (AC)	Maximum Apparent Power	Maximum Continuous Current
5.0 kW	5.0 kVA	21 A
7.6 kW	7.6 kVA	32 A
9.6 kW	9.6 kVA	40 A
10 kW	11.5 kVA	48 A

NOTE: In both on-grid and off-grid modes, aPower 2 output is set to the PCS permanent derate value configured during system commissioning.

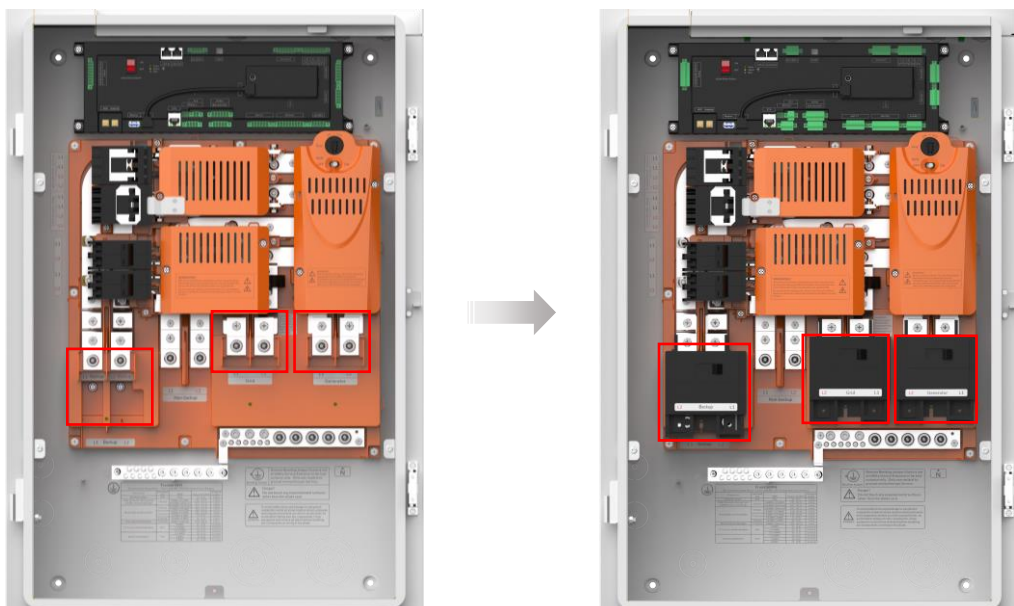
- 3) Fasten the aPower breaker according to the following steps as per NEC requirements.

Install the breaker hold-down kit as shown in the diagram. Tighten the two M4x8 screws to the recommended torque using a Phillips screwdriver.



- 4) Before installing a backup panel breaker, a grid breaker or a generator breaker, remove the connected lugs. Follow the instructions below to remove the lugs and install the breakers:
- Using a Phillips head screwdriver, remove the two M6 x 16 combination bolts holding the lugs and save it for later use. Remove the lugs.
 - Use the two M6 x 16 combination bolts to fix the breaker. Then use the M4 x 10 screw to secure the breaker. Using a Phillips head torque screwdriver, tighten the M4 screw to 1.03 lb-ft (1.4 N·m).
 - Attach the provided **L2 Backup L1**, **L2 Grid L1**, and **L2 Generator L1** labels below the backup panel breaker, the grid breaker, and generator breaker.

Remove the terminal lugs to install a backup panel breaker, a grid breaker, or a generator breaker.





NOTE: The aGate's utility grid circuit breaker is only required where the aGate is used as service entrance equipment or there are no other circuit breakers protecting the conductors feeding the aGate's utility grid connection.

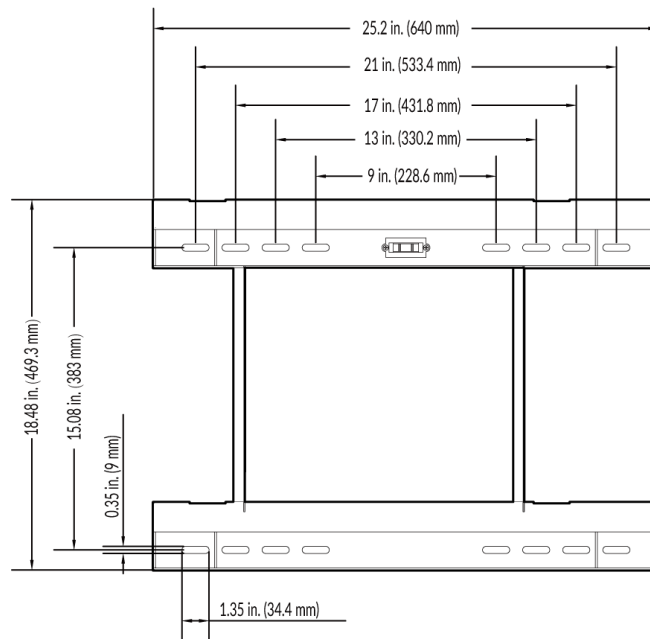
The generator breaker may be installed outside the aGate depending on site conditions.

aPower Installation

The aPower can be mounted either on the wall or on the floor. Choose a wall/location that can structurally support the weight of the aPower.

Wall-Mounted Installation

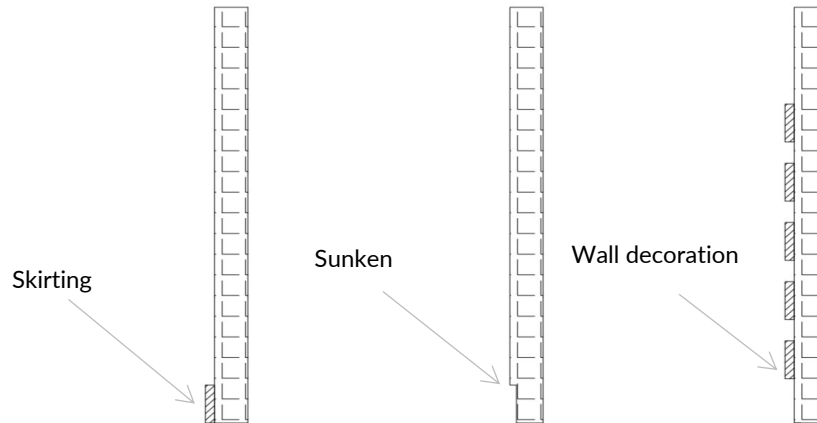
There are two types of wall mount brackets available based on your order. Both types follow the same installation requirements and procedures. In this guide, we use the first bracket for illustration.




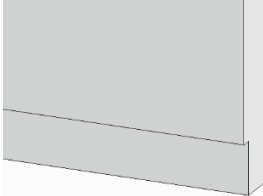
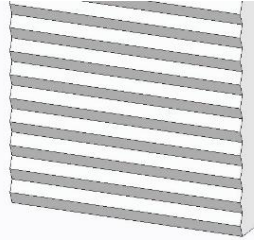



Install the mounting bracket

- 1) Before installing, examine the smoothness of the wall.

If the wall is not smooth and straight to the floor, Type X plasterboards will be needed to fill the gaps to ensure all parts of the mounting bracket are well supported by the wall.



Special Wall/Baseboard Installation

<p>Case 1: Protruding Baseboard Height > 6 in. or the thickness of the bulge > 1 in.</p>	<p>Case 2: Concave Baseboard Height > 6 in.</p>	<p>Case 3: Uneven Wall</p>
		
<p>Solution Use wooden or steel spacers on the upper part of the bracket (to keep it flush with the baseboard).</p>	<p>Solution Use wooden or steel spacers on the indented part of the baseboard (to make it flush with the wall).</p>	<p>Solution Use plywood or gypsum board to level the wall. The recommended thickness is 0.5 in.</p>
		



NOTE: The wooden or steel materials are prepared by the installer.

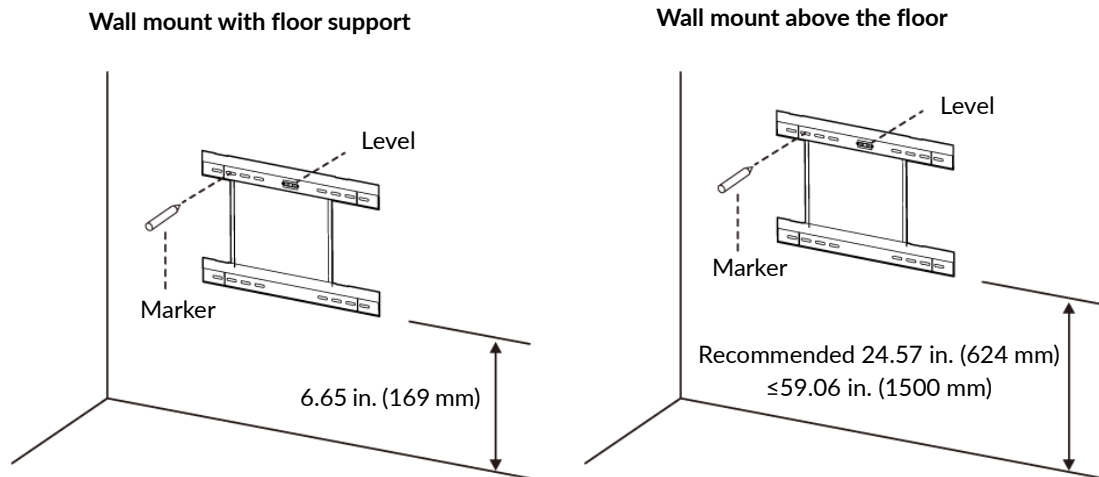
2) Determine bracket attachment points

The mounting bracket should be fastened to the wall at a minimum of 4 points, one on each arm. When the bracket is attached in an outdoor, windy area, at least 8 5/16" screws (2 at each corner) should be used to install the bracket.

For wall mounting, there are two options. First, when the aPower rests on the floor and the second is when it is hanging above the floor. In the examples below, both are shown.

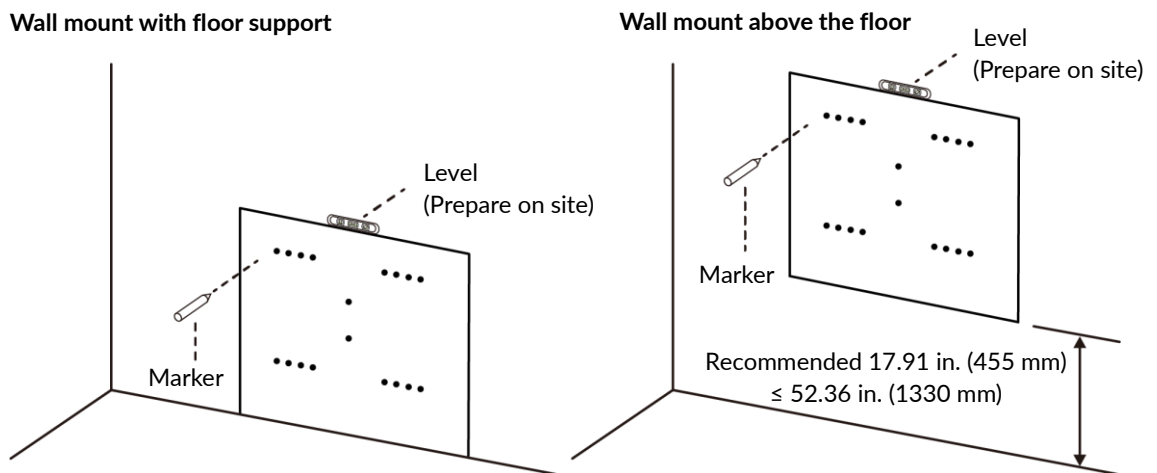
Determine bracket attachment points following the methods described below.

a) Method 1: Use the bracket to mark the points.



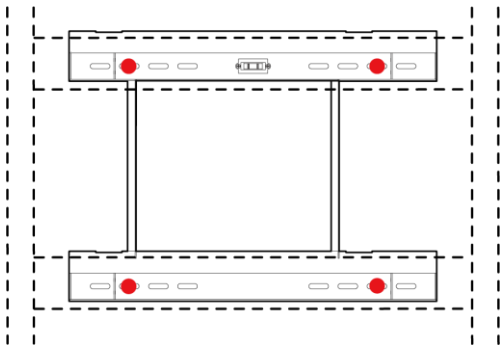
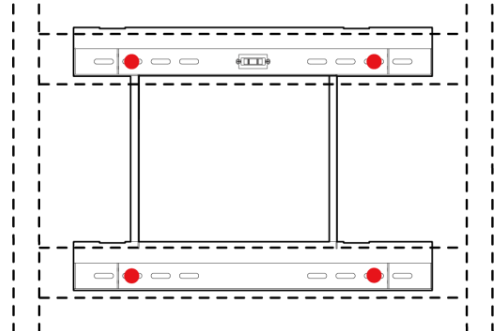

- ① Place the mounting bracket at the planned installation position.
- ② Mark the wall through the mounting holes where the fasteners will be used.

b) Method 2: Use the cardboard mounting template to mark the points.



- ① Place it against the wall in the planned installation position according to the orientation of the cardboard text (When planning to place the aPower sitting on the floor, position the bottom of the cardboard in contact with the floor).
- ② Use a level to adjust the installation angle.
- ③ Mark the wall through the mounting holes where the fasteners will be used.

3) Install the bracket on a wall

<p>Wooden beams</p> <p>At least 4 5/16" stainless steel wood screws with large flat washers (1 at each corner), at least 2.5" (64 mm) of each screw inserted into the wooden beam.</p>	
<p>Steel beams</p> <p>Use at least 4 5/16" stainless steel hex screws (1 at each corner) with spring washers, large flat washers and nuts to secure the bracket to the steel beam.</p>	
<p>Concrete or brick walls</p> <p>Use at least 4 5/16" stainless steel expansion screws (1 at each corner) with spring washers and large flat washers and at least 1.5" (38 mm) length embedded in the wall. Place screws at least 1.5" (38 mm) away from brick edge.</p>	

Drill conduit entry holes on the wall (if needed)

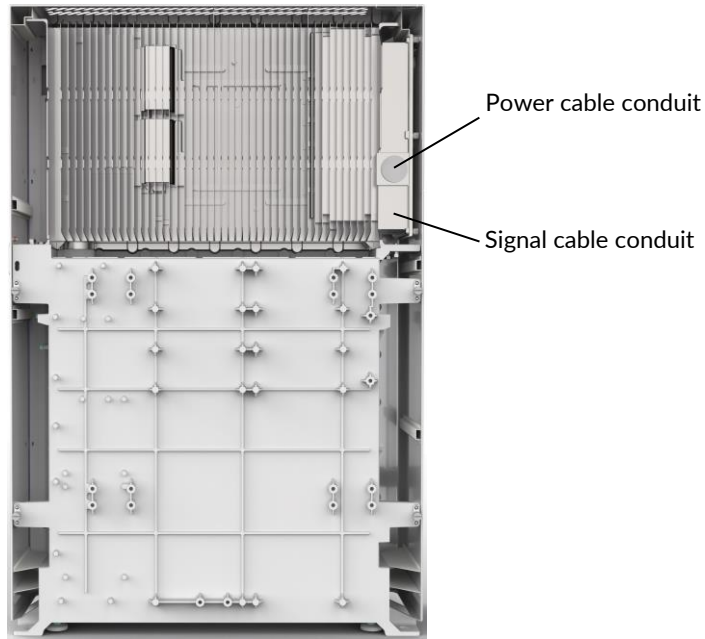
If needed, drill conduit entry holes on the wall. If there are any metal or wooden supporting structures in the drilling area, adjust the position to avoid them.



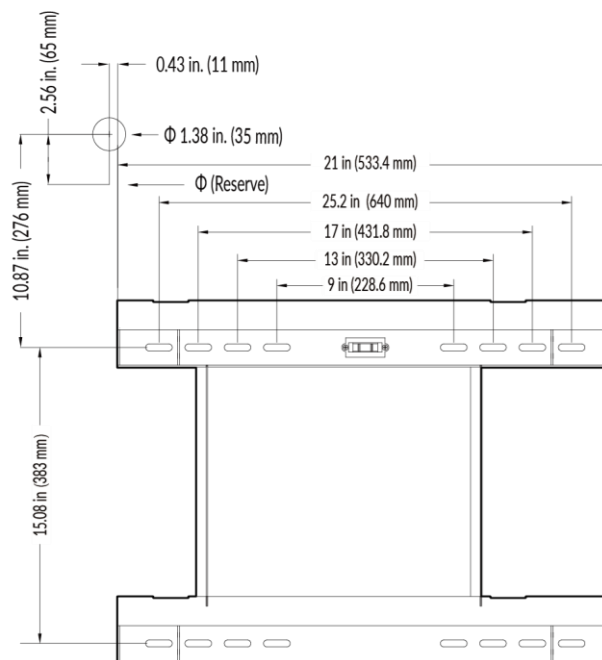
DANGER: Avoid drilling holes in water pipes and cables in the wall. PPE must be worn.






WARNING: Cover the aPower top heat dissipation hole to protect from gravel dust during drilling.



Rear View



Front View: Location of bracket and conduit entry hole on the wall

	<p>Wooden wall</p> <p>Electric drill and 1", 1-1/2" wood bits are recommended to create holes for running cable through wooden walls.</p> <p>It is important that the drill bit be kept perpendicular to the wall when drilling.</p>
	<p>Concrete or brick wall</p> <p>Hammer drill and 1", 1-1/2" diamond tipped core bits are recommended to create holes for running cables through concrete or brick walls. Wet the wall and HEPA vacuum the dust, to protect the drill bits from overheating.</p> <p>It is important that the drill bit should be kept perpendicular to the wall when drilling.</p>
	<p>Metal wall or metallic studs</p> <p>Electric drill and 1", 1-1/2" hole saw are recommended to create holes for running cables through metal plate and metallic studs.</p> <p>It is important that the drill bit should be kept perpendicular to the installation surface when drilling.</p>

Mount the aPower on the bracket

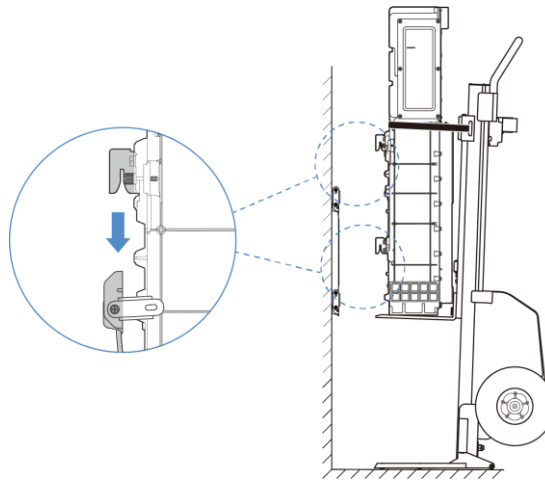


DANGER: Special care must be taken to protect personal safety. Reinforced toe shoes must be used to protect the installers from tilting and falling equipment.

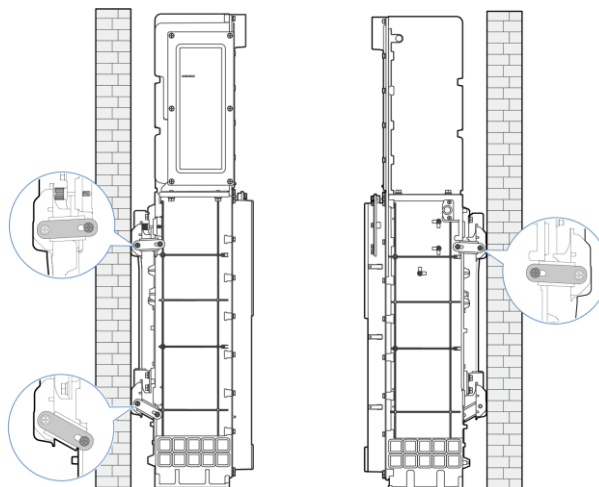


WARNING: Use proper protective measures on the lift, such as foam or protective cloth, and take effective protection measures to avoid scratching or damaging the aPower during the installation process.

- 1) For transportation, secure the aPower to the dolly using straps. Raise the aPower to position the rear mounting cleats slightly higher than the mounting bracket. Move the dolly so that the aPower is in mounting position. Slowly lower the aPower so that the four mounting cleats snap securely onto the mounting bracket.



- 2) After the aPower is firmly on the mounting bracket, fasten the three retainer plates to the aPower using three M6 x 16 screws. Tighten to a torque of 4.3 lb·ft (5.8 N·m).



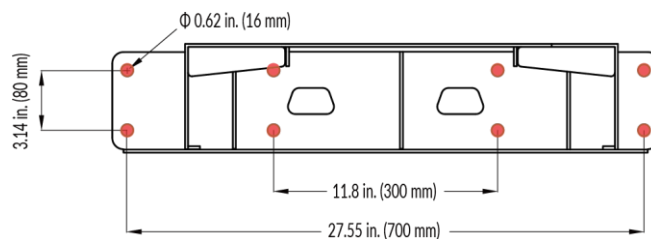
Free-Standing Floor-Mounted Installation using an Optional Floor-Mounting Bracket

If wall mounting is not feasible, the optional floor mounting bracket (ACCY-FMBV2-US) may be used to install the aPower 2 on a concrete pad or other reinforced surface.

Installation site requirement

Perform a site assessment before installation. The poured concrete pads must have a minimum compressive strength of 3,000 PSI. And the concrete reinforcement must meet the temperature and shrinkage control requirements of ASTM A615 Grade 60, with a yield strength of 60,000 PSI.

Mount the aPower on a solid surface, such as a concrete floor, with an area exceeding 10.76 ft² (1 m²) and a minimum depth of 5.9 in. (150 mm). The aPower should be attached to a floor mounting bracket and maintain a minimum distance of 1.18 in. (30 mm) from the ground to the bottom of the aPower.



NOTE

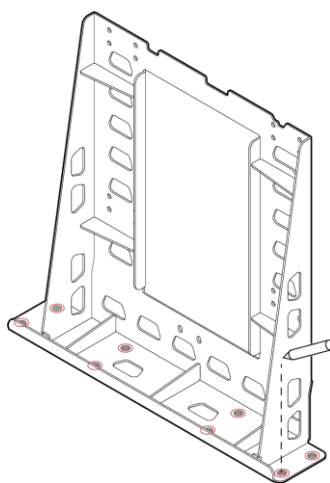


The floor mounting bracket meets the strength requirements specified by IEC60721-3-3 recommended grade 3M4 sinusoidal vibration test conditions.

Install the floor mounting bracket

Choose a smooth, level concrete area with sufficient structural strength to support the weight of the aPower.

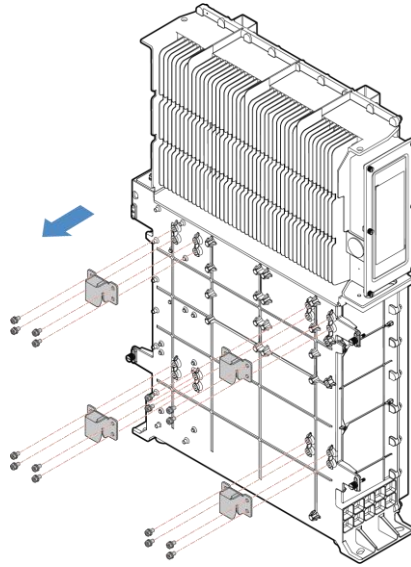
1. Mark eight mounting holes for drilling on the floor using the floor mounting bracket or cardboard mounting template as a guide.



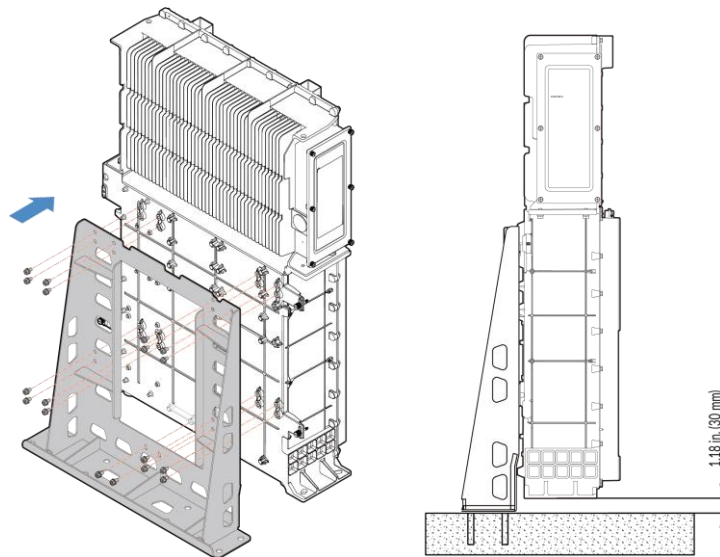
2. Drill holes at the marked spots.
The drilling depth should be at least 4.72 in. (120 mm), and diameter should be Φ 0.62 in. (16 mm).
3. Secure the floor mounting bracket to the floor with eight 1/2" expanding anchor bolts. Tighten the nuts to a torque of 73.8 lb·ft (100 N·m).

Mount the aPower to the floor mounting bracket

1. Remove the sixteen combination screws (M 8 x 16) and the four mounting cleats. Properly store the combination screws for later use.



2. Hang the aPower on the floor mounting bracket and secure with the sixteen combination screws (M 8 x 16) that were previously removed and the two supplied M8 x 16 screws. Maintain a minimum distance of 1.18 in. (30 mm) from the ground to the bottom of the aPower.



Install a Combiner Box (if needed)

The installation of more than two aPower units requires a combiner box. Each aPower should be connected to a 2-pole breaker. Select a suitable external combiner box and provide breakers for each aPower unit. For details, refer to [Install breakers as needed](#).

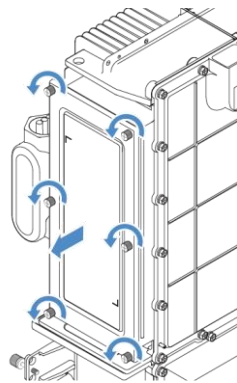


NOTE: Refer to the manufacturer’s instructions before installation.

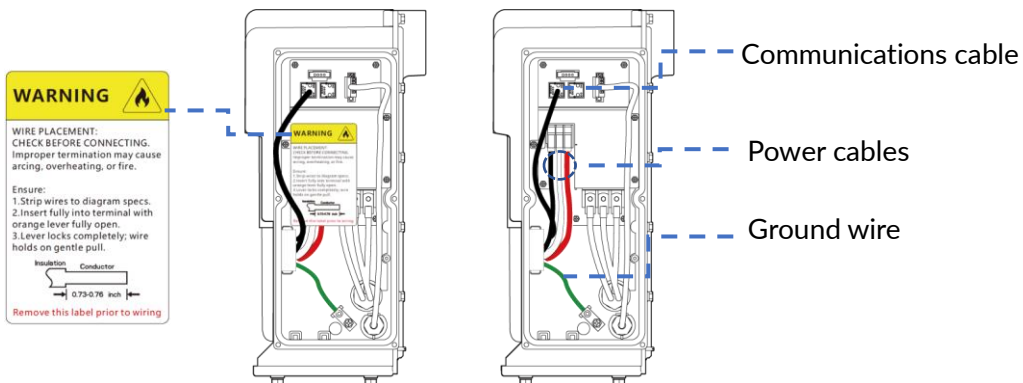
System Wiring

Install Electrical Conduit in the aPower Wiring Compartment

- 1) Loosen the six captive screws and remove the wiring compartment cover.

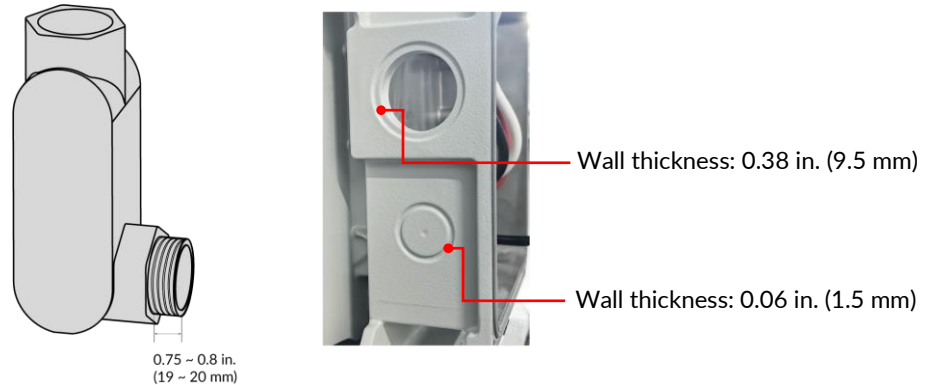


- 2) Before proceeding, carefully read the label text then remove the label. Unplug the factory-installed communications cable, power cables, and ground wire if present.

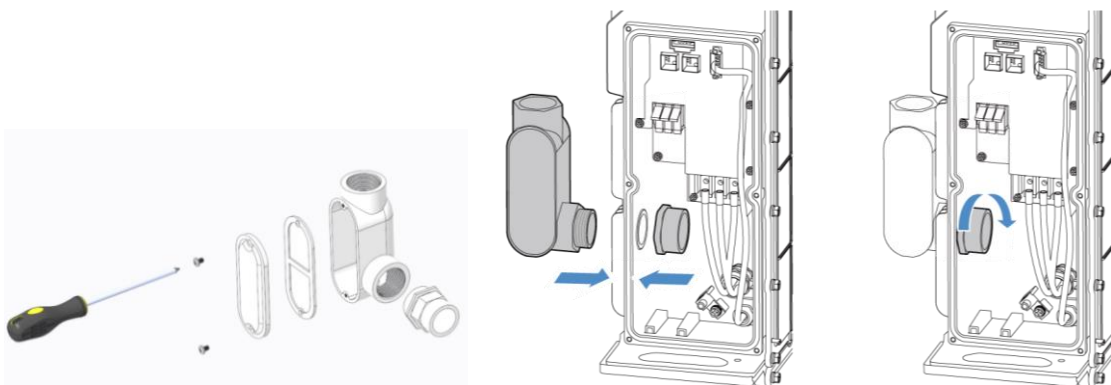


- 3) As needed, install a pull box behind a Power cable entry hole.
- a) Select an appropriate pull box according to the cable distribution direction (The design of the pull box may vary. The figure below is for reference only).

***NOTE:** The wall thickness of the power cable entry hole is 0.38 in. (9.5 mm), suggests that the thread depth for pull box joints is 0.75 ~ 0.8 in. (19 ~ 20 mm).



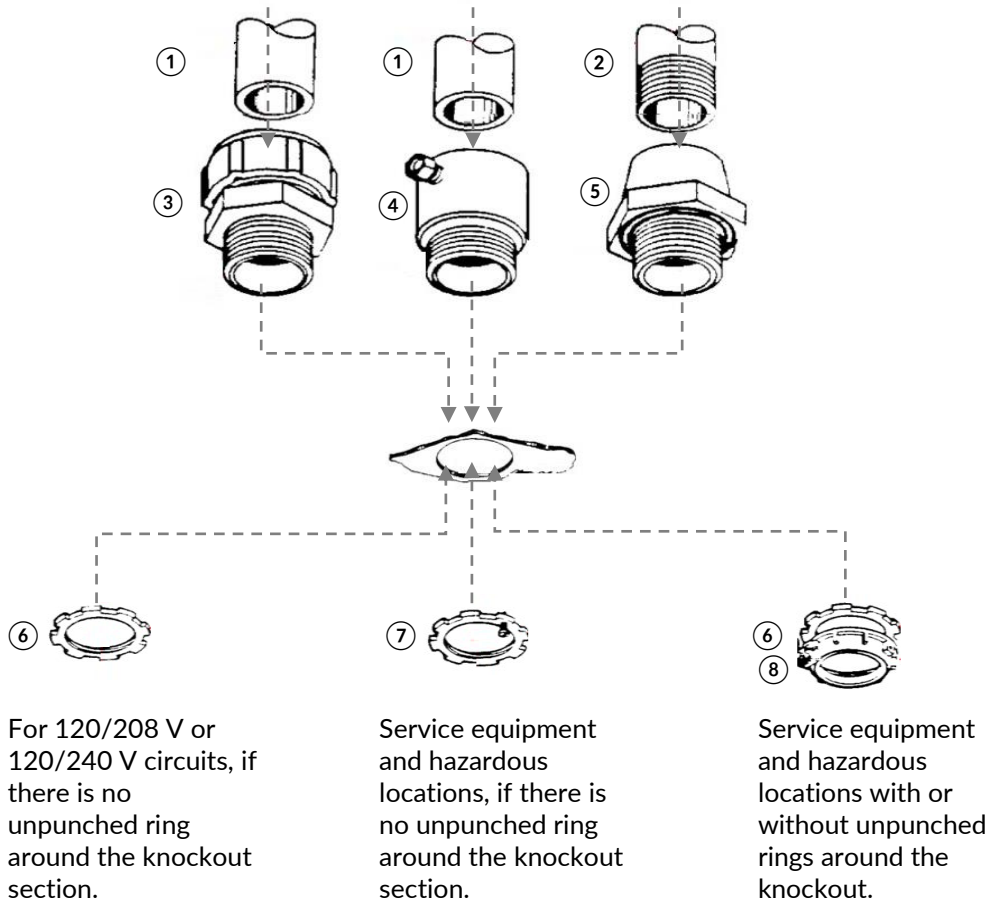
- b) Use a Phillips head screwdriver to disassemble the junction box. Install the pull box on the selected cable entry.



4) Conduit Connection and Installation

Install conduit as needed and attach the conduit fitting to the cable entry of aPower wiring compartment.

The image below shows an example of conduit and fitting for different applications.



No.	Description
1	Threadless rigid metal conduit or intermediate metal conduit.
2	Threaded rigid metal conduit or intermediate metal conduit
3	Threadless fitting
4	Screw fitting
5	Sealing hub
6	Locknut
7	Bonding knockout
8	Bonding & grounding bushing

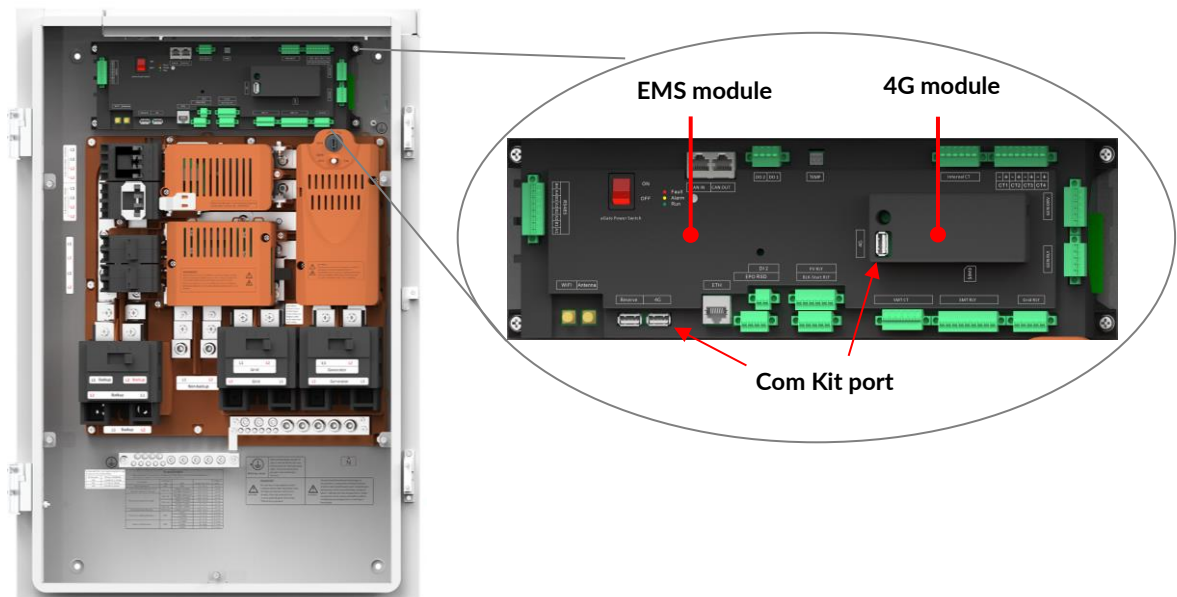


WARNING: The conduits and related materials must comply with UL746B requirements as well as all local laws and regulations.

Metallic conduits and fittings are recommended to minimize electromagnetic interference.

Communications Wiring

Before wiring, ensure that the Com Kit (4G) cable is connected between the Com Kit port on the EMS module and the 4G module.



WARNING: Only use the cable supplied with the equipment. The aGate cannot be activated if this step is not completed.

Establish communications between the FranklinWH App and the aGate

- 1) Connect the mobile device to the aGate hotspot network to establish a local communications connection between the FranklinWH App and the aGate using the following account and password:

Account: AP_last 9 digits of serial number

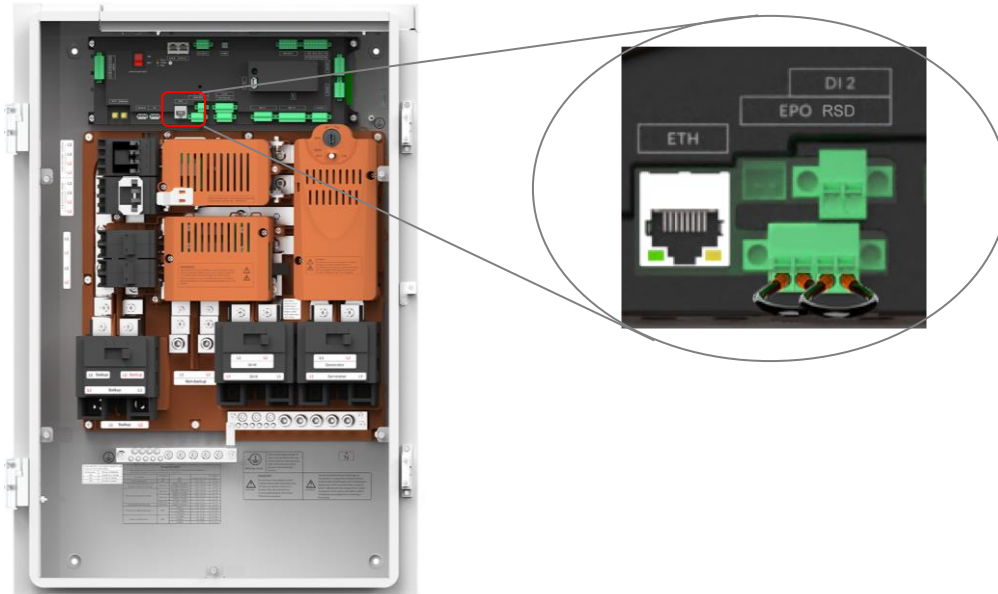
Password: last 12 digits of serial number



NOTE: The account and password can be modified through the FranklinWH App.

- 2) Connect the aGate to the home internet network for remote access.
 - a) **Method 1 (Recommended):** Connect the aGate to the home internet using a communications cable (Not provided).

To ensure the reliability of remote communications, it is recommended to connect the home network cable with internet connection to the **ETH** port of EMS module.



WARNING: The cable from the home network may only be connected to the ETH port.



The communications cable needs to be made on site using a crimping tool, a ready-made network cable should not be used because it may prevent the aGate internal cover from closing. Test with a network cable tester to ensure that the cable contact is error-free.

Communications cable preparation

- i. Remove the insulation jacket from the cable.
- ii. Fan the wires in the order of 568B (See wiring scheme diagram).
- iii. Insert the wires into the connector.
- iv. Crimp the connector using a crimping tool and then the cable is ready.
- v. Test with a network cable tester to ensure that the communications cable contact is error-free. Before testing the cable, ensure that both ends of the cable are disconnected from the FranklinWH system.



Wiring scheme

The communications cable wiring must conform to the 568B standard sequence.

Pin 1: white/orange

Pin 2: solid orange

Pin 3: white/green

Pin 4: solid blue

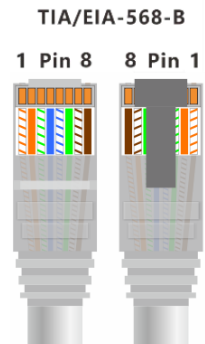
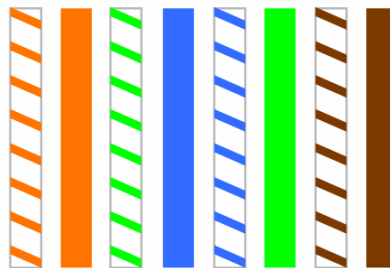
Pin 5: white/blue

Pin 6: solid green

Pin 7: white/brown

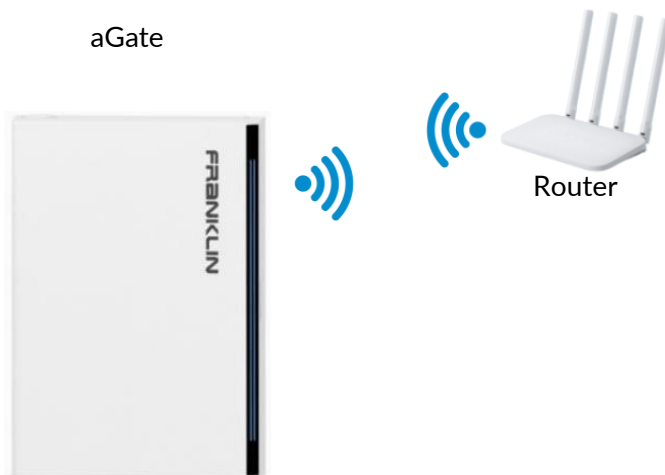
Pin 8: solid brown

RJ-45 Pin	1	2	3	4	5	6	7	8
Pair	2	2	3	1	1	3	4	4



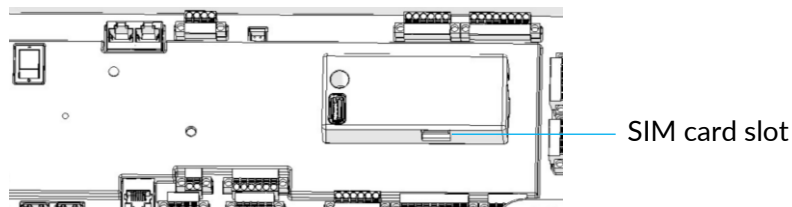
b) Method 2: Connect via Wifi

The Wifi connection between the aGate and home wireless network should be done during commissioning. Please refer to the *FranklinWH Commissioning Guide*.



c) Method 3: Connect via 4G network (only as backup)

A SIM card is pre-installed on the wireless module. When you choose 4G network connection, make sure that there is a good 4G LTE signal in the local area.



Establish communications between the aGate and the aPower



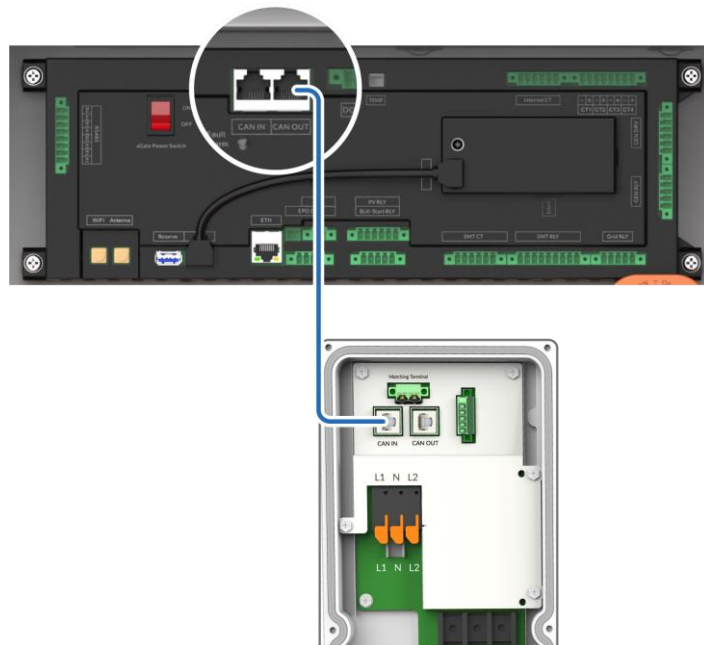
NOTE: It is recommended to install the communications cable in the conduit to avoid accidental damage and equipment failure. If the network cable and the power cable share the same conduit, use a shielded network cable (RJ45 cable end with metal connector).

Before connecting the communications cable, use a network cable tester to ensure that the cable contact is error-free.

The distance between the aGate and the first/single aPower must be ≤ 164 ft (50 m).

a) Communications connection between the aGate and a single aPower

Use a minimum CAT5 cable to connect the aGate **CAN OUT** port to the aPower **CAN IN** port in the wiring compartment.

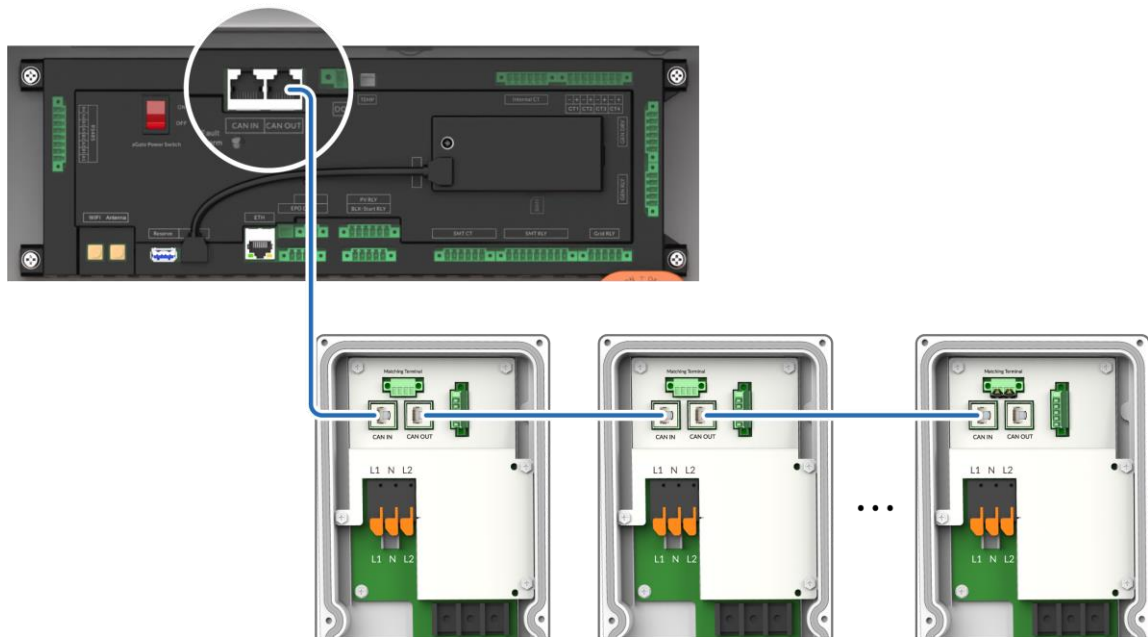


b) Communications connection between the aGate and multiple aPowers

Use a minimum CAT5 network cable to connect the aGate **CAN OUT** port to the **CAN IN** port of the first aPower, and connect the **CAN OUT** port of the first aPower to the **CAN IN** port of the second aPower, etc.

Remove the matching terminals from all aPower units except for the one in the **last** aPower.

For configurations involving more than four aPowers units, consult FranklinWH for technical support.



First aPower

Second aPower

Last aPower
(N ≤ 15)

Remove the matching terminals from the first aPower, Second aPower...

Keep the matching terminal installed

If the distance between the aGate and the first/single aPower exceeds 164 ft (50 m), please contact engineering@franklinwh.com for guidance.

Electrical Wiring



NOTE: The wiring of breakers should follow the specific breaker instructions. The power sources must be connected to the aGate at the corresponding ports.

The cable conductor size and current capacity rating are listed in the NFPA 70, Article 310.

Conductors, relied upon for the protective grounding and bonding system, will be sized to handle the intended fault currents and, if insulated, the insulation will be green or green with yellow stripes.

Grounding conductors are sized following NFPA 70 Article 250.122 of or C22.1 Rule 10-810.

A field wiring terminal or lead shall be rated for the connection of a conductor or conductors having a minimum carrying capacity rating of 125% of the rating of the unit.

The distance between the end of the connection point of a field-installed wire and the wall of the enclosure toward which the wire is to be directed, shall be following NFPA 70 Table 312.6 (A) or (B).

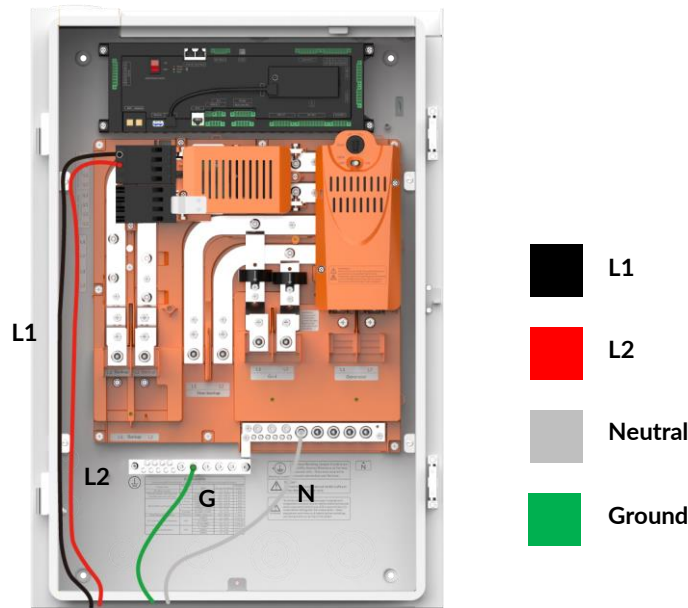
Please be sure to apply antioxidants to any aluminum cable stripped surfaces.

Cables selection will consider metal compatibility. Please refer to Figure F.1 in Appendix F for the UL9540 standard.

	<p>DANGER: Please follow the Local Precedence rule. Remote control does not mean that the local circuits are safe. Please decide whether your circuit is safe based only on a circuit test.</p>
	<p>DANGER: The power cables should be wired in a sequence of the load side, the backup power supply side, and the non-backup power supply side. If the other end of a cable cannot be wired at the same time, a warning sign Out of Operation, Do NOT Turn On should be hung.</p>
	<p>DANGER: aGate and aPower units do not have any indoor-level lightning protection. Customers should configure lightning protection equipment where the grid power runs into the house.</p>
	<p>DANGER: Electrical connections require that the wires are connected in the correct order, where L1 and L2 cannot be misconnected. Incorrect wiring may cause equipment damage or even personal injury or death.</p>

Connect the PV inverter to the aGate

When connecting a PV inverter to the aGate, the PV breaker is the only interface to be used. Do not connect the PV inverter to any other port.

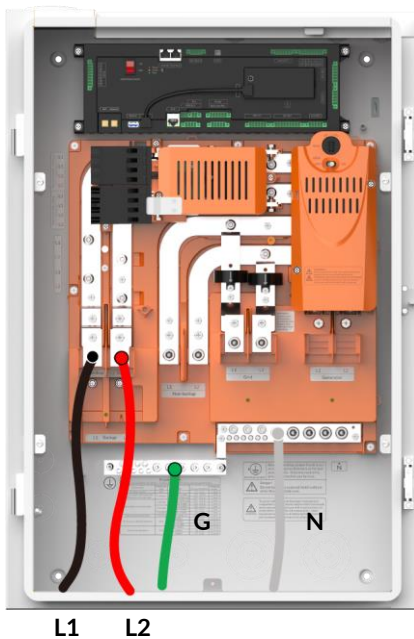


Connect the backup panel to the aGate

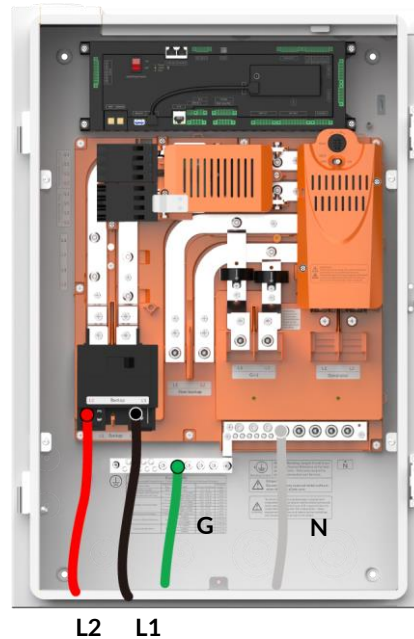
Connect the backup panel conductors to the aGate terminals. Refer to [Wiring Requirements](#) for recommended cables.

After installation of the backup panel breaker, L1 and L2 will swap sides for connections (L2 is located to the left while L1 is to the right).

Without a backup panel breaker



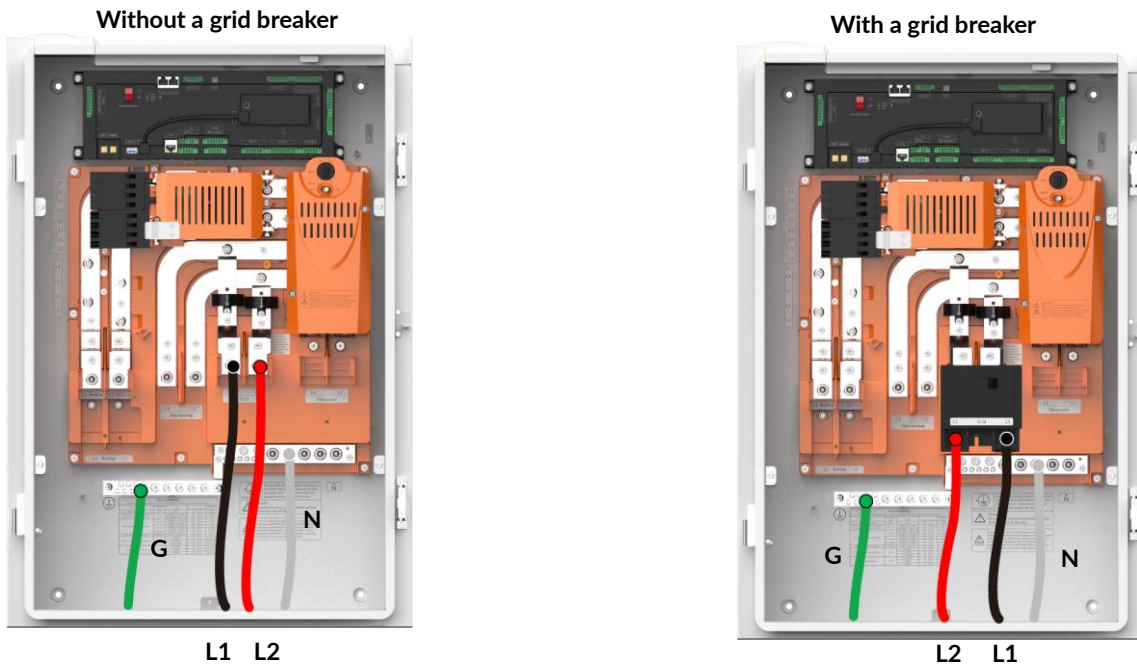
With a backup panel breaker



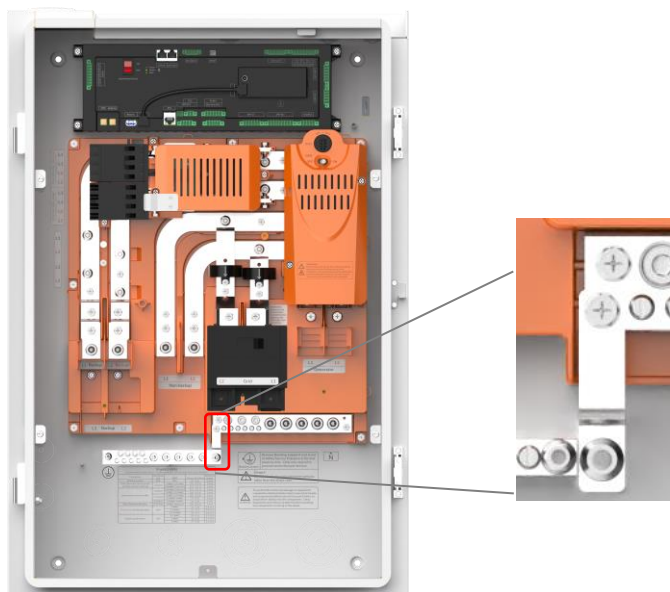
Connect the grid supply to the aGate

Connect the grid supply conductors to the aGate terminals. Refer to [Wiring Requirements](#) for recommended cables.

After installation of the grid breaker, L1 and L2 will swap sides for connections (L2 is located to the left while L1 is to the right).



According to NFPA 70 250 Grounding and Bonding Part V, when installed as service equipment, ensure the panel's main breaker is appropriately labeled as "SERVICE DISCONNECT," the neutral and ground should be bonded together, as shown in the figure below.



The Neutral-Ground Bonding Jumper must only be removed if not installed as Service Equipment, or for test purposes.

A torque wrench with 11/32" hex sockets will be needed to remove or install the bonding jumpers.

For installation, the required torque is 26.55 lb·in. (3 N·m).



WARNING: To ensure safe operation in Backup Mode, the aGate must have a local ground connection, such as through a ground rod or ground electrode. The connection of the ground rod must comply with local codes and regulations.

Connect the aPower(s) to the aGate

Wire Gauge Selection

Select the power cable with a wire gauge ranging from 10 AWG to 6 AWG, in accordance with the rated power specified in the utility contract.

Rated Power	Wire Gauge
5 kVA (5 kW)	10 AWG
7.6 kVA (7.6 kW)	8 AWG
9.6 kVA (9.6 kW)	6 AWG
11.5 kVA (10 kW)	6 AWG

Select the appropriate ground wire gauge in accordance with the local codes and regulations.

Wire Stripping and Connection Steps

- 1) Strip the wire insulation using a dedicated wire stripping tool.

Strip Length Specifications

- **aPower AC terminals:** 0.73 ~ 0.76 inches (18.5 to 19.3 mm)



- **GND port:** 0.59 ~ 0.63 inches (15 to 16 mm)
- **aGate terminals:** Varies by breaker configuration

Refer to [Wiring Requirements](#) for appropriate strip length.

- 2) Lift the terminal levers to the fully open position and insert each wire until the conductor reaches the bottom of the terminal.



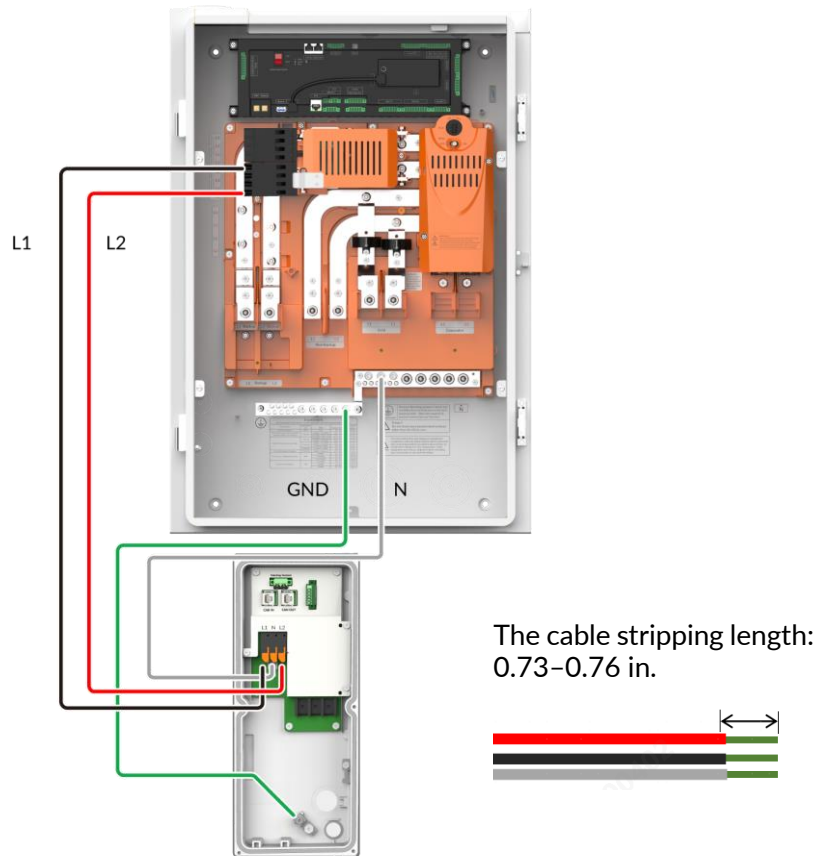
- 3) Firmly press down each terminal lever to secure the connection. Then, gently tug on the power cable to verify the connection's stability.



WARNING: Ensure proper cabling, stripping, and secure connections to prevent equipment damage or fire hazards.

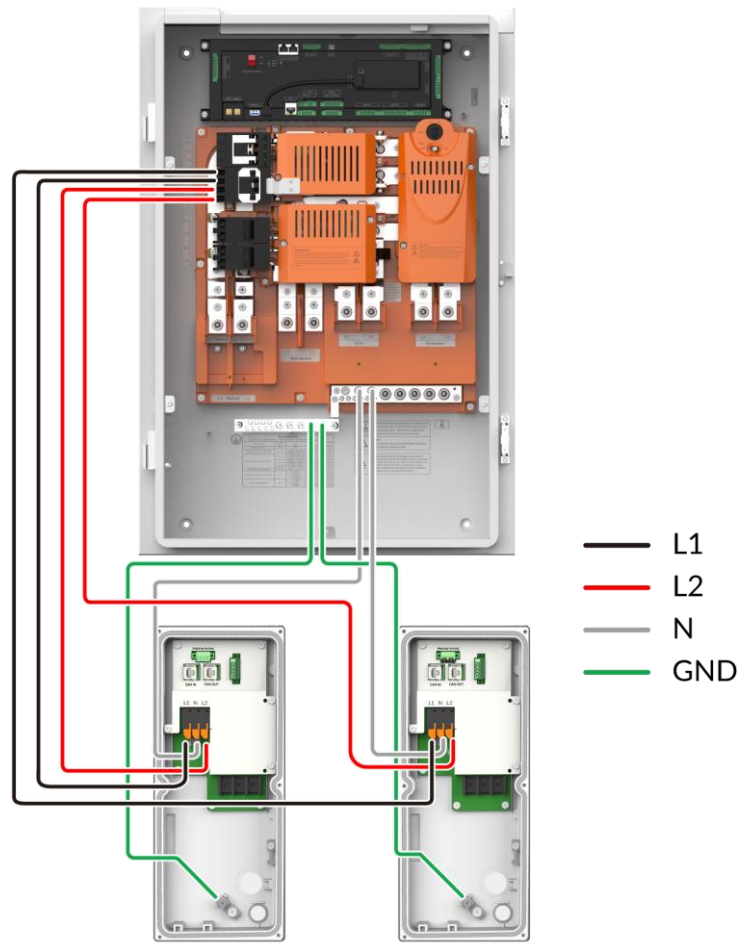
Connecting one or two aPower(s) to the aGate

Please note that for the aGate X 1.3, the aPower's rated power cannot exceed 9.6 kVA (9.6 kW). If the rated power of aPower needs to be set to 11.5 kVA (10.0 kW), a combiner box will be needed and connected to the backup load terminal on the aGate. There are no such restrictions for aGate X 1.3.1.



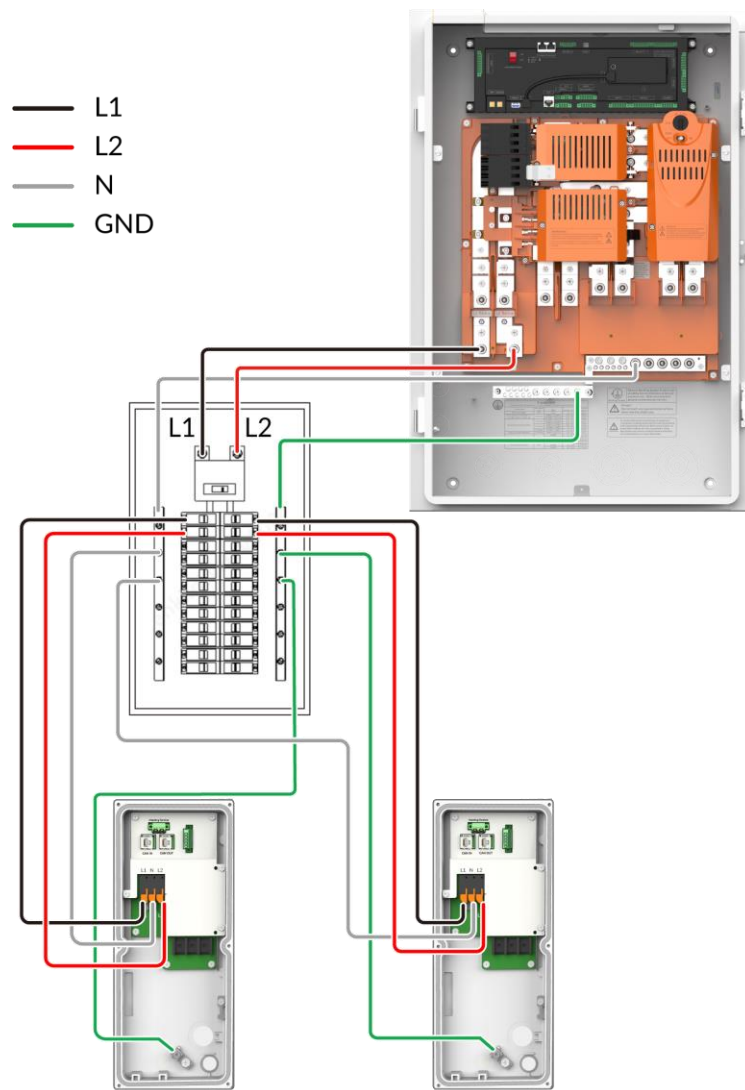
Wiring Torque to GND wire:

2~3 AWG	50 lb·in (5.6 N·m)
4~6 AWG	45 lb·in (5.1 N·m)
8 AWG	40 lb·in (4.5 N·m)
10~14 AWG	35 lb·in (4.0 N·m)



Wiring Torque to GND wire:

2~3 AWG	50 lb·in (5.6 N·m)
4~6 AWG	45 lb·in (5.1 N·m)
8 AWG	40 lb·in (4.5 N·m)
10~14 AWG	35 lb·in (4.0 N·m)



Wiring Torque to GND wire:

2~3 AWG	50 lb-in (5.6 N·m)
4~6 AWG	45 lb-in (5.1 N·m)
8 AWG	40 lb-in (4.5 N·m)
10~14 AWG	35 lb-in (4.0 N·m)

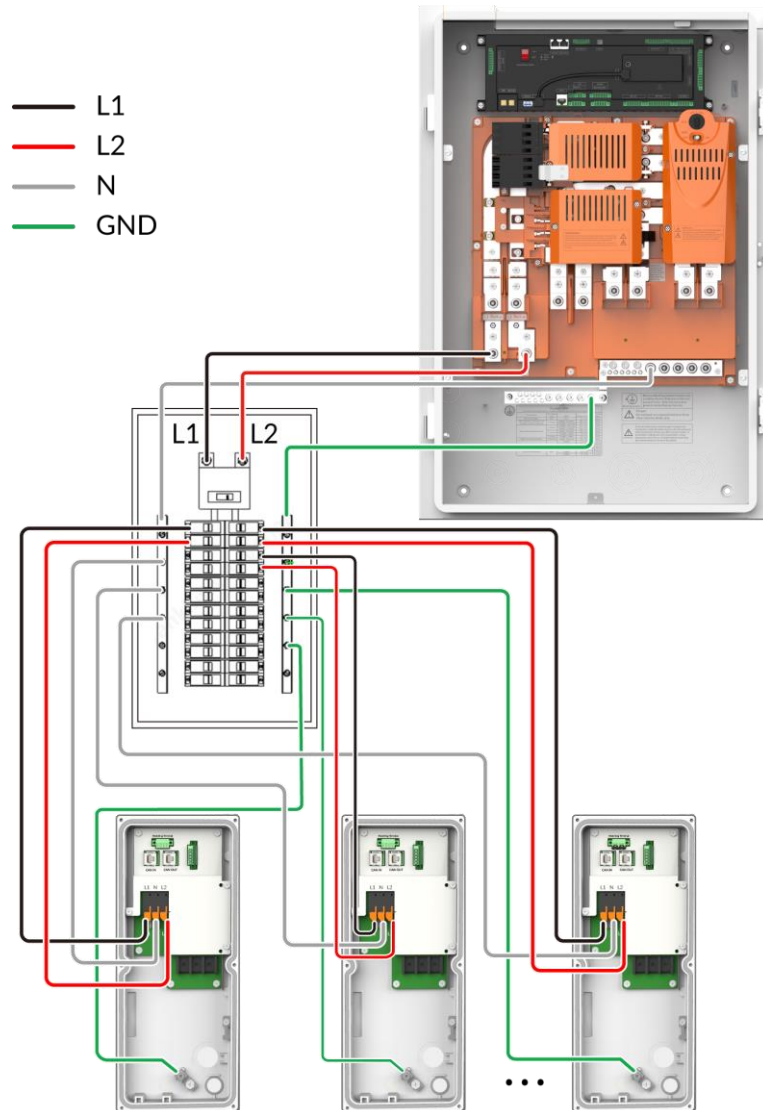
Connecting three or four aPowers to the aGate

When connecting three or four aPowers, a combiner box will be needed. Connect the combiner box to the backup load terminals on the aGate. Use the optional backup expansion lug kit for aPower input. This connection does not support backup circuit breaker installation.

Refer to the parameters printed on the inner panel of the aGate for the maximum current of the circuit breakers.

Each aPower is connected to the combiner box via a dedicated circuit breaker. Refer to [Table 7 Breakers in a Combiner Box](#) for the compatible breakers.

For configurations involving more than four aPowers units, consult FranklinWH for technical support.



Wiring Torque to GND wire:

2~3 AWG	50 lb-in (5.6 N·m)
4~6 AWG	45 lb-in (5.1 N·m)
8 AWG	40 lb-in (4.5 N·m)
10~14 AWG	35 lb-in (4.0 N·m)

Mixed Configuration: aPower X 1.3 and aPower 2 Wired in Parallel

For scenarios requiring increased power output or energy storage capacity, integrating one or more aPower 2 units into an existing FranklinWH System with aPower X 1.3 batteries provides a scalable and efficient upgrade solution.

Installation Requirements

- Recalculate cable gauge and circuit breaker ratings based on the total system capacity. All electrical installations must comply with applicable local codes and regulations.
- Use a combiner box or a compatible quadplex breaker to safely accommodate multiple hybrid unit connections.

WARNING



Before installation, ensure that all breakers are turned **OFF** and the system is fully de-energized. Use a multimeter to verify 0 V at all terminals before proceeding.

Wear appropriate PPE for personal safety.

Electrical Specifications

For aGate X 1.3 (AGT-R1V2-US)

- The aPower port supports a maximum current of 80 A, and is compatible with a 100 A circuit breaker.
- The backup port supports up to 160 A, and is compatible with a 200 A circuit breaker.

For aGate X 1.3.1 (AGT-R1V3-US)

- The aPower port supports a maximum current of 100 A, and is compatible with a 125 A circuit breaker.
- The backup port supports up to 160 A, and is compatible with a 200 A circuit breaker.

System Configuration and Power Selection

In on-grid mode, the aPower 2's rated power should be configured during system commissioning to meet operational requirements. The available output options are: 10 kW, 9.6 kW, 7.6 kW, and 5.0 kW. Set the aPower 2's output value based on the specific home load consumption.

Select the parallel connection port according to the total system capacity:

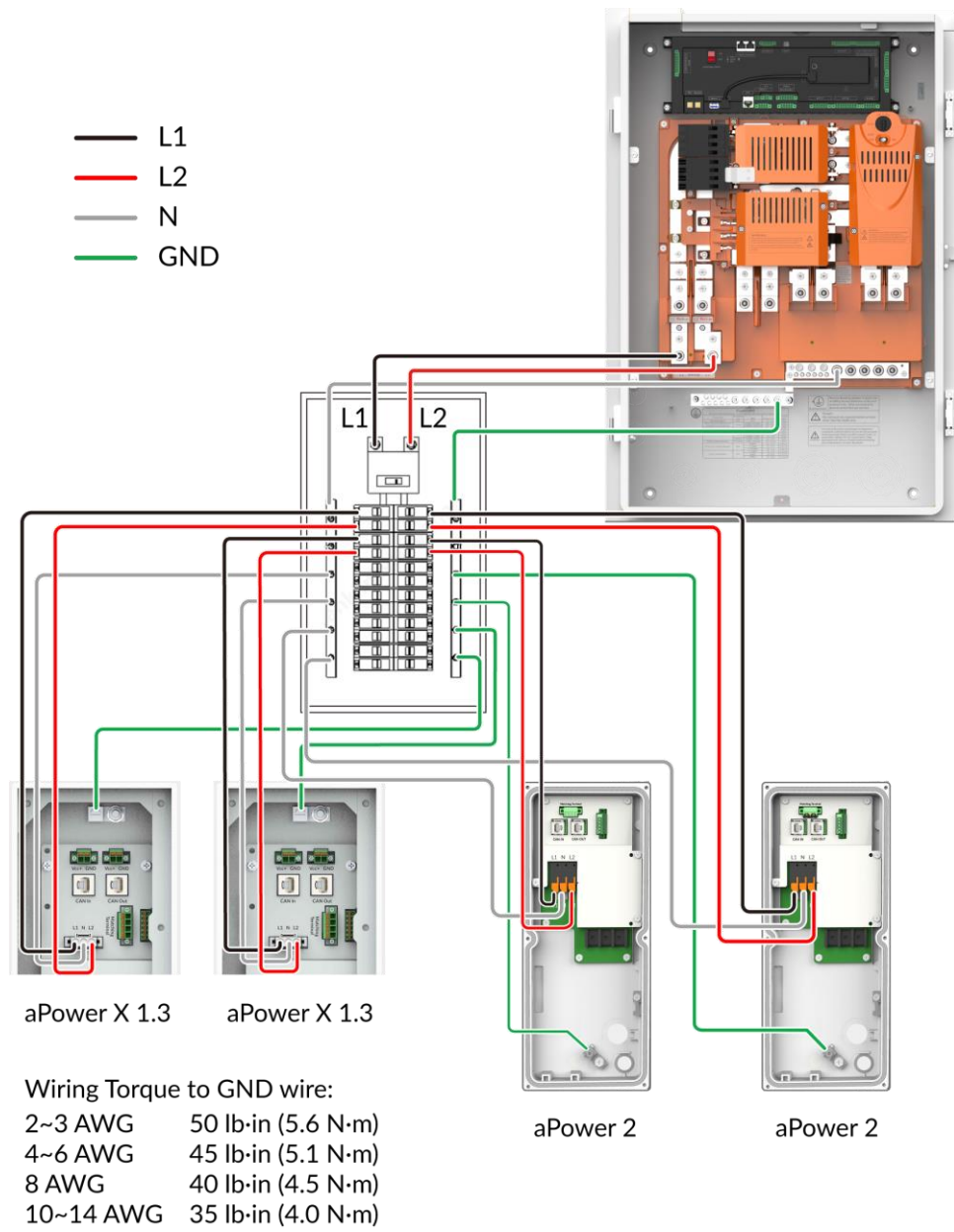
System Capacity (aGate X 1.3)	System Capacity (aGate X 1.3.1)	Connection Port
≤ 16.8 kW (19.2 kVA)	≤ 20 kW (23 kVA)	aPower Port
> 16.8 kW (19.2 kVA)	> 20 kW (23 kVA)	Backup Port

An additional combiner box or quadplex breaker may be required depending on site-specific conditions.

Refer to [Table 5 aPower Breakers](#) for compatible quadplex breaker.

Refer to [Table 7 Breakers in a Combiner Box](#) for the list of compatible circuit breakers.

All aPower 2 units must be installed and wired in accordance with the instructions outlined in previous chapters. The following diagram illustrates the parallel connection for four hybrid units.



NOTE



Backup circuit breaker installation is not supported when the backup load terminals are in use for main power distribution wiring.

For configurations involving more than four aPowers units, consult FranklinWH for technical support.

Wiring Requirements

Select the appropriate wire gauge to meet local codes.

Terminal Name	Wire Gauge	Tool	Strip Length	Torque
Single-lug Terminal	4 AWG-250 MCM CU/AL	8 mm hex wrench 5/8-18 UNF Hex head screw:	1 in.	3/0 AWG-250 MCM, 275LB-IN 4 AWG-2/0 AWG, 110 LB-IN
N bar	4 AWG-250 MCM CU/AL	8 mm hex wrench 5/8-18 UNF Hex head screw:	1 in.	3/0 AWG-250 MCM, 275 LB-IN 4 AWG-2/0 AWG, 110 LB-IN
	14 AWG-2/0 AWG CU/AL	5 mm hex wrench 7/16-20 UNF Hex head screw	1 in.	3 AWG-2/0 AWG, 110 LB-IN 14 AWG-4 AWG, 35 LB-IN
	14 AWG-4 AWG CU/AL	Straight screwdriver 1/4-28 UNF	0.6 in.	14 AWG-4 AWG, 26 LB-IN
G bar	14 AWG-2/0 AWG CU/AL	5 mm hex wrench Hex head screw: 7/16-20 UNF	0.8 in.	3 AWG-2/0 AWG, 110 LB-IN 14 AWG-4 AWG 35 LB-IN
	14 AWG-4 AWG CU/AL	Straight screwdriver 1/4-28 UNF	0.4 in./0.8 in.	14 AWG-4 AWG, 26 LB-IN

NOTE



For aPower connection, use ONLY copper conductors, rated to a minimum of 194° F (90° C).

For aGate connection, use copper or aluminum wire, rated to a minimum of 167° F (75° C).

Install an Optional Emergency Power Off (EPO) Switch

When an emergency situation occurs, such as a fire or a smoking battery, the user may manually press the EPO switch button to power off the entire system, when it is safe to do so. The external EPO switch is optional. Consult your local AHJ or Utility before installation.

NOTE



If the external EPO switch is not connected to the FranklinWH system, keep the factory default configuration i.e., the factory-installed EPO terminal block connector on the EMS is short connected as shown in the right figure.



Guidelines for EPO Switch Selection and Installation:

- The notification and marking shall be labeled as required by NEC section 706.15.
- Must have an ON/OFF switch that maintains its position after being manually set to either status.
- Must have a clear indication of the ON/OFF positions.
- Must be outdoor rated (NEMA 3R or higher).
- The maximum length of the voltage wire between the EPO switch and the aGate should not exceed 150 feet (45.3 m).
- EPO switch type: Normally Closed (NC)
- The EPO shall have a rated voltage of 5 V or higher.

Installation Procedures

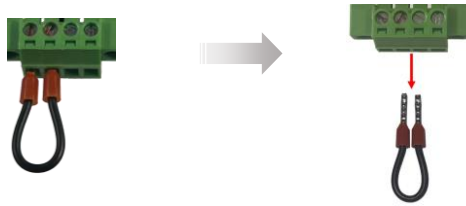
- 1) Make sure all breakers in the aGate and all switches connected to the aGate are disconnected. Wait at least five (5) minutes. Use a multimeter to check that the AC voltages at both input and output terminals of the aGate are zero (0), to ensure that all electrical equipment has been disconnected from the aGate.



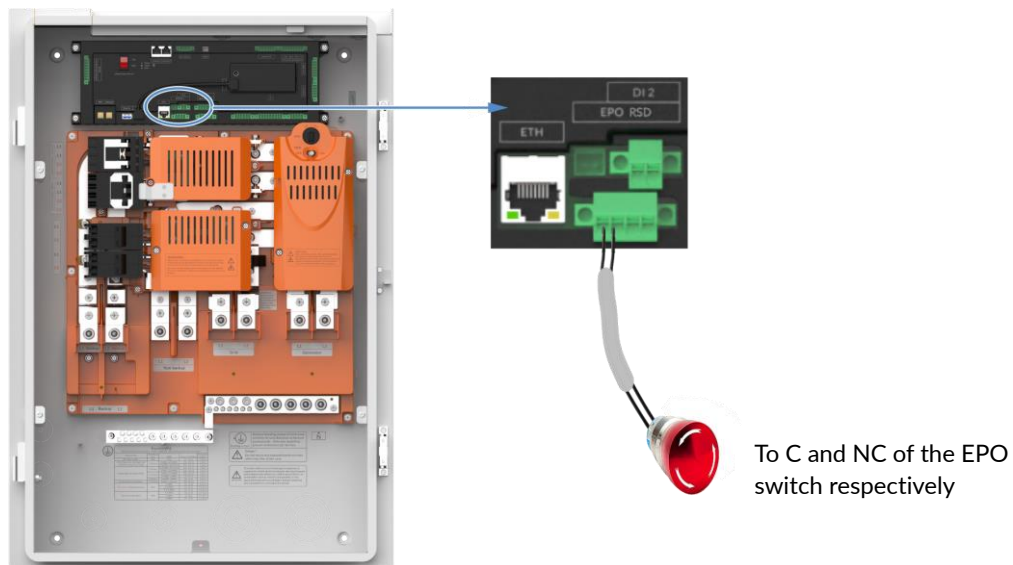
WARNING: When the EPO button is pressed, the EPO is in the OFF state. That means the EPO function has been activated to protect the system. At this time, the aPower(s) will be shut off and relays inside aGate (including the supply relay, the generator relay, the Smart Circuits relay, and the PV relay) will be disconnected. It also disconnects the utility grid and the backup port on aGate. Auxiliary power remains ON.

Do not use the EPO for maintenance operations or in any condition other than an emergency.

- 2) Remove the factory-installed jumper from the EPO terminal block connector on the EMS module.



- 3) Using wire rated at 16-24 AWG, connect pins 3 and 4 (labeled EPO) to the C (common) and NC (normal close) of an external EPO switch.



- 4) Attach the EPO notice label from the aGate accessory bag to the aGate inner panel.

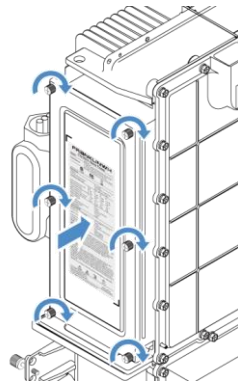
Complete Installation

Install the aPower Exterior Cover



WARNING: Make sure the conductors are firmly secured, and there are no exposed conductors.

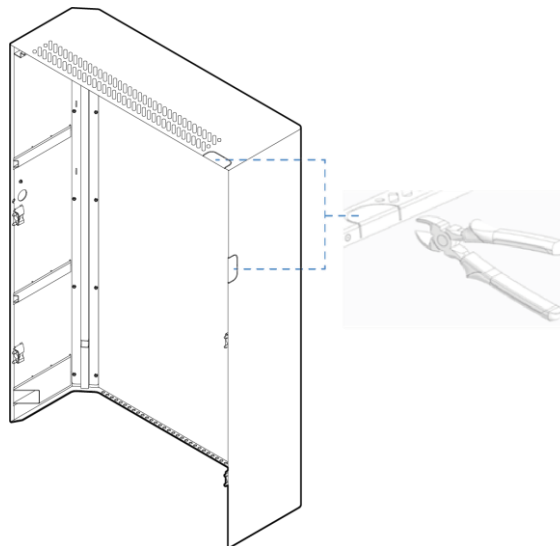
1. Tighten the six captive crews and firmly secure the wiring compartment cover to the aPower.



Note: Mark the specified rated power on the nameplate before installing the exterior cover.

	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nominal Output Power (AC)	5 kW	7.6 kW	9.6 kW	10 kW
Max.Apparent Power	5 kVA	7.6 kVA	9.6 kVA	11.5 kVA
Max.Continuous Output Current	21 A	32 A	40 A	48 A

2. Use diagonal pliers to remove the knockouts from the exterior cover.



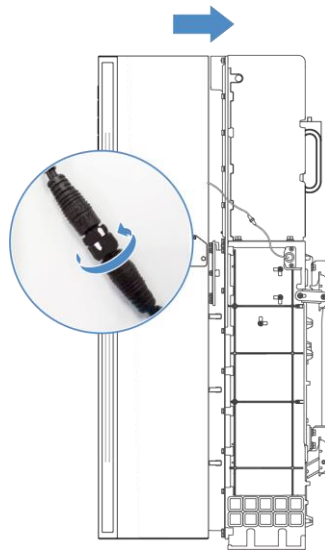
3. Connect the LED light power cables on the exterior cover and on the aPower chassis.

Partially attach the exterior cover to the chassis. Align the arrows on both connectors of the LED light power cables and insert the male connector into the female one. Rotate the connectors to secure until two white markers are aligned.

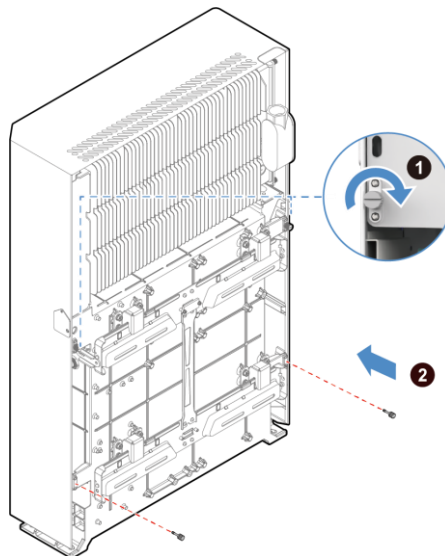
NOTE

Two installers will be needed to complete the LED light power cables connection.

Make sure this connection achieves a NEMA 6P protection rating.

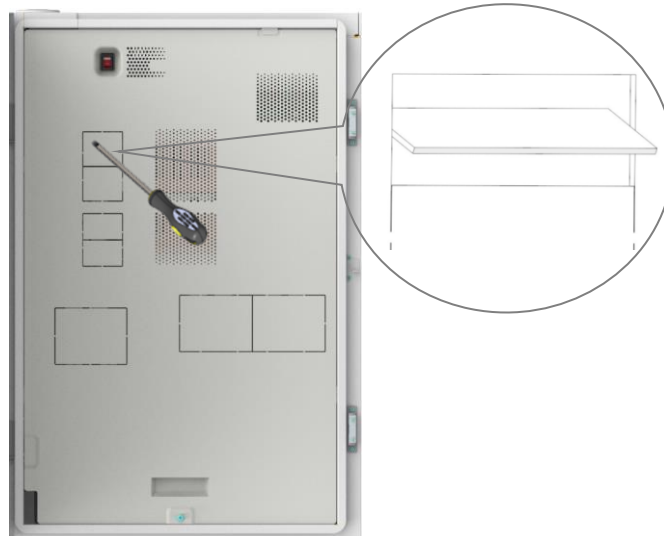


4. Align and insert eight locating pins on the exterior cover into the corresponding holes on the rear left and right side of the chassis. Securely fasten the four captive screws.



Re-Install the aGate Door and Inner Panel

- 1) Install the inner panel and fasten it by tightening the four original M5 x 12 combination bolts to 2.21 lb·ft (3.0 N·m).
- 2) Remove the knockouts on the inner panel for the installed breakers.



- 3) Attach the labels from the literature kit (bag with labels and accessories) onto the aGate inner panel to indicate circuit locations.
- 4) Re-install the aGate door.
- 5) Close the aGate door. Press the upper and lower latches to ensure that the door is tightly closed without any gaps.



WARNING: Gaps between the door and enclosure may cause water to leak into the aGate.

Commissioning and Acceptance

The FranklinWH system installation is complete. For the commissioning and acceptance process, please refer to the *FranklinWH Commissioning Guide*.

Appendix: Allowed Breakers

Table 1 Grid Breakers

Grid Breaker			
S/N	Model	Current	Description
1	CSR2100	100 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 100 A/240 V
2	CSR2125N	125 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 125 A/240 V
3	CSR2150N	150 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 150 A/240 V
4	CSR2175N	175 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 175 A/240 V
5	CSR2200N	200 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 200 A/240 V
6	BW2100	100 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 100 A/240 V
7	BW2125	125 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 125 A/240 V
8	BW2150	150 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 150 A/240 V
9	BW2175	175 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 175 A/240 V
10	BW2200	200 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 200 A/240 V
11	BWH2100N	100 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 100 A/240 V
12	BWH2125N	125 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 125 A/240 V
13	BWH2150N	150 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 150 A/240 V
14	BWH2175N	175 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 175 A/240 V
15	BWH2200N	200 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 200 A/240 V

***NOTE:** When opting for a 25 kAIC grid breaker, it is necessary to select a backup power circuit breaker with a matching 25 kAIC rating as well.

Table 2 Backup Port Breakers

Backup Port Breaker			
S/N	Model	Current	Description
1	CSR2100	100 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 100 A/240 V
2	CSR2125N	125 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 125 A/240 V
3	CSR2150N	150 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 150 A/240 V
4	CSR2175N	175 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 175 A/240 V
5	CSR2200N	200 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 200 A/240 V
6	BW2100	100 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 100 A/240 V
7	BW2125	125 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 125 A/240 V
8	BW2150	150 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 150 A/240 V
9	BW2175	175 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 175 A/240 V
10	BW2200	200 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 200 A/240 V
11	BWH2100N	100 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 100 A/240 V
12	BWH2125N	125 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 125 A/240 V
13	BWH2150N	150 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 150 A/240 V
14	BWH2175N	175 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 175 A/240 V
15	BWH2200N	200 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 200 A/240 V

NOTE: When opting for a 25 kAIC Backup circuit breaker, it is necessary to select a grid circuit breaker with a matching 25 kAIC rating. If choose 10 kAIC Grid breaker, for 22KA short-circuit rating, the marked current rating shall be followed with the words "Max - see main circuit breaker rating."

Table 3 Generator Breakers

Generator Breaker			
S/N	Model	Current	Description
1	CSR2100	100 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 100 A/240 V
2	CSR2125N	125 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 125 A/240 V
3	CSR2150N	150 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 150 A/240 V
4	CSR2175N	175 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 175 A/240 V
5	CSR2200N	200 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 200 A/240 V
6	BW2100	100 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 100 A/240 V
7	BW2125	125 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 125 A/240 V
8	BW2150	150 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 150 A/240 V
9	BW2175	175 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 175 A/240 V
10	BW2200	200 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 200 A/240 V
11	BWH2100N	100 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 100 A/240 V
12	BWH2125N	125 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 125 A/240 V
13	BWH2150N	150 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 150 A/240 V
14	BWH2175N	175 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 175 A/240 V
15	BWH2200N	200 A	Eaton Circuit Breaker; 2-Pole, 25 kAIC, 200 A/240 V

*NOTE: The generator breaker may be installed outside the aGate depending on the site condition.

Table 4 PV Breakers

PV Breaker				
S/N	Description	Manufacturer Model 1	Manufacturer Model 2	Manufacturer Model 3
1	2-Pole, 10 kAIC, 30 A/240 V	Eaton #BR230	Siemens #Q230	Schneider #HOM230
2	2-Pole, 10 kAIC, 40 A/240 V	Eaton #BR240	Siemens #Q240	Schneider #HOM240
3	2-Pole, 10 kAIC, 50 A/240 V	Eaton #BR250	Siemens #Q250	Schneider #HOM250
4	2-Pole, 10 kAIC, 60 A/240 V	Eaton #BR260	Siemens #Q260	Schneider #HOM260
5	2-Pole, 10 kAIC, 70 A/240 V	Eaton #BR270	Siemens #Q270	Schneider #HOM270
6	2-Pole, 10 kAIC, 80 A/240 V	Eaton #BR280	Siemens #Q280	Schneider #HOM280
7	2-Pole, 22 kAIC, 30 A/240 V	Eaton #BRH230	Siemens #Q230H	N/A
8	2-Pole, 22 kAIC, 40 A/240 V	Eaton #BRH240	Siemens #Q240H	N/A
9	2-Pole, 22 kAIC, 50 A/240 V	Eaton #BRH250	Siemens #Q250H	N/A
10	2-Pole, 22 kAIC, 60 A/240 V	Eaton #BRH260	Siemens #Q260H	N/A
11	2-Pole, 22 kAIC, 70 A/240 V	Eaton #BRH270	Siemens #Q270H	N/A
12	2-Pole, 22 kAIC, 80 A/240 V	Eaton #BRH280	Siemens #Q280H	N/A
13	2-Pole, 10 kAIC, 2X15A/240 V	Eaton #BQC215215	Siemens #Q21515CT2	Schneider #HOMT215215
14	2-Pole, 10 kAIC, 2X20A/240 V	Eaton #BQC220220	Siemens #Q22020CT2	Schneider #HOMT220220
15	2-Pole, 10 kAIC, 2X30A/240 V	Eaton #BQC230230	Siemens #Q23030CT2	Schneider #HOMT230230
16	2-Pole, 10 kAIC, 2X40A/240 V	Eaton #BQC240240	Siemens #Q24040CT2	N/A
17	2-Pole, 10 kAIC, 2X15A/240 V	Eaton #BQ215215	N/A	N/A
18	2-Pole, 10 kAIC, 2X20A/240 V	Eaton #BQ220220	N/A	N/A
19	2-Pole, 10 kAIC, 2X30A/240 V	Eaton #BQ230230	N/A	N/A
20	2-Pole, 10 kAIC, 2X40A/240 V	Eaton #BQ240240	N/A	N/A

Table 5 aPower Breakers

aPower Breaker				
S/N	Description	Manufacturer Model 1	Manufacturer Model 2	Manufacturer Model 3
1	2-Pole, 10 kAIC, 30 A / 240 V	Eaton #BR230	Siemens #Q230	Schneider #HOM230
2	2-Pole, 10 kAIC, 40 A / 240 V	Eaton #BR240	Siemens #Q240	Schneider #HOM240
3	2-Pole, 10 kAIC, 50 A / 240 V	Eaton #BR250	Siemens #Q250	Schneider #HOM250
4	2-Pole, 10 kAIC, 60 A / 240 V	Eaton #BR260	Siemens #Q260	Schneider #HOM260
5	2-Pole, 10 kAIC, 70 A / 240 V	Eaton #BR270	Siemens #Q270	Schneider #HOM270
6	2-Pole, 10 kAIC, 80 A / 240 V	Eaton #BR280	Siemens #Q280	Schneider #HOM280
7	2-Pole, 10 kAIC, 90 A / 240 V	Eaton #BR290	Siemens #Q290	Schneider #HOM290
8	2-Pole, 10 kAIC, 100 A / 240 V	Eaton #BR2100	Siemens #Q2100	Schneider #HOM2100
9	2-Pole, 10 kAIC, 125 A / 240 V	Eaton #BR2125	Siemens #Q2125	Schneider #HOM2125
10	2-Pole, 22 kAIC, 30 A / 240 V	Eaton #BRH230	Siemens #Q230H	N/A
11	2-Pole, 22 kAIC, 40 A / 240 V	Eaton #BRH240	Siemens #Q240H	N/A
12	2-Pole, 22 kAIC, 50 A / 240 V	Eaton #BRH250	Siemens #Q250H	N/A
13	2-Pole, 22 kAIC, 60 A / 240 V	Eaton #BRH260	Siemens #Q260H	N/A
14	2-Pole, 22 kAIC, 70 A / 240 V	Eaton #BRH270	Siemens #Q270H	N/A
15	2-Pole, 22 kAIC, 80 A / 240 V	Eaton #BRH280	Siemens #Q280H	N/A
16	2-Pole, 22 kAIC, 90 A / 240 V	Eaton #BRH290	Siemens #Q290H	N/A
17	2-Pole, 22 kAIC, 100 A / 240 V	Eaton #BRH2100	Siemens #Q2100H	N/A
18	2-Pole, 22 kAIC, 125 A / 240 V	Eaton #BRH2125	Siemens #Q2125H	N/A
19	2-Pole, 10 kAIC, 2X30A / 240 V	Eaton #BQC230230	Siemens #Q23030CT2	Schneider #HOMT230230
20	2-Pole, 10 kAIC, 2X40A / 240 V	Eaton #BQC240240	Siemens #Q24040CT2	N/A
21	2-Pole, 10 kAIC, 2X50A / 240 V	Eaton #BQC250250	N/A	N/A
22	2-Pole, 10 kAIC, 2X30A / 240 V	Eaton #BQ230230	N/A	N/A
23	2-Pole, 10 kAIC, 2X40A / 240 V	Eaton #BQ240240	N/A	N/A
24	2-Pole, 10 kAIC, 2X50A / 240 V	Eaton #BQ250250	N/A	N/A

Table 6 Smart Circuit Breakers

Breaker for Smart Circuit 1 and 2 (1-Pole)			
S/N	Model	Current	Description
1	CH120	20 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 20 A/240 V
2	CH130	30 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 30 A/240 V
3	CH135	35 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 35 A/240 V
4	CH140	40 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 40 A/240 V
5	CH145	45 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 45 A/240 V
6	CH150	50 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 50 A/240 V
7	CHF130	30 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 30 A/240 V
8	CHF135	35 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 35 A/240 V
9	CHF140	40 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 40 A/240 V
10	CHF145	45 A	Eaton Circuit Breaker; 1-Pole, 10 kAIC, 45 A/240 V
11	CHF150	50 A	Eaton #Circuit Breaker; 1-Pole, 10 kAIC, 50 A/240 V
Breaker for Smart Circuit 1 + Circuit 2 (2-Pole)			
S/N	Model	Current	Description
1	CH230	30 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 30 A/240 V
2	CH235	35 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 35 A/240 V
3	CH240	40 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 40 A/240 V
4	CH245	45 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 45 A/240 V
5	CH250	50 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 50 A/240 V
6	CHF230	30 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 30 A/240 V
7	CHF235	35 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 35 A/240 V
8	CHF240	40 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 40 A/240 V
9	CHF245	45 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 45 A/240 V
10	CHF250	50 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 50 A/240 V

Breaker for Smart Circuit 3			
S/N	Model	Current	Description
1	CH230	30 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 30 A/240 V
2	CH235	35 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 35 A/240 V
3	CH240	40 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 40 A/240 V
4	CH245	45 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 45 A/240 V
5	CH250	50 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 50 A/240 V
6	CH260	60 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 60 A/240 V
7	CH270	70 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 70 A/240 V
8	CH280	80 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 80 A/240 V
9	CHF230	30 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 30 A/240 V
10	CHF235	35 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 35 A/240 V
11	CHF240	40 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 40 A/240 V
12	CHF245	45 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 45 A/240 V
13	CHF250	50 A	Eaton Circuit Breaker; 2-Pole, 10 kAIC, 50 A/240 V

Table 7 Breakers in a Combiner Box

S/N	aPower Rated Power	Recommended Breaker
1	5.0 kVA (5.0 kW)	30 A
2	7.6 kVA (7.6 kW)	40 A
3	9.6 kVA (9.6 kW)	50 A
4	11.5 kVA (10.0 kW)	60 A

***NOTE:** If homeowners need capacity expansion, configure the circuit breaker and cables based on aPower rated power (kVA) listed above.

Q.PEAK DUO BLK ML-G10+ SERIES



385-410 Wp | 132 Cells
20.9% Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+



6 busbar
cell technology

12 busbar
cell technology



Breaking the 20% efficiency barrier

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9%.



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.



Extreme weather rating

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



Innovative all-weather technology

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



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 (-1500V, 96h)

The ideal solution for:



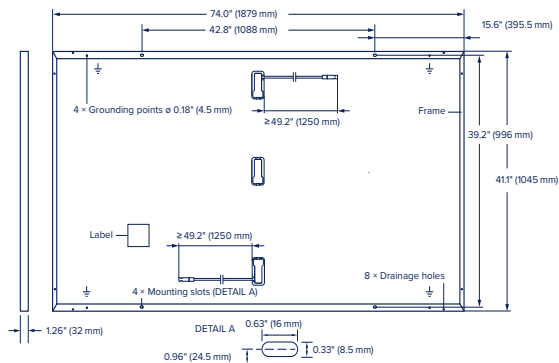
Rooftop arrays on
residential buildings



Q.PEAK DUO BLK ML-G10+ SERIES

Mechanical Specification

Format	74.0 in × 41.1 in × 1.26 in (including frame) (1879 mm × 1045 mm × 32 mm)
Weight	48.5 lbs (22.0 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; (+) ≥ 49.2 in (1250 mm), (-) ≥ 49.2 in (1250 mm)
Connector	Stäubli MC4; IP68

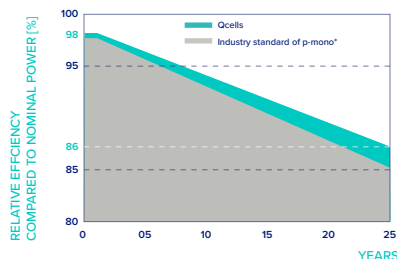


Electrical Characteristics

POWER CLASS		385	390	395	400	405	410	
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC ¹ (POWER TOLERANCE +5 W / -0 W)								
Minimum	Power at MPP ¹	P_{MPP} [W]	385	390	395	400	405	410
	Short Circuit Current ¹	I_{SC} [A]	11.04	11.07	11.10	11.14	11.17	11.20
	Open Circuit Voltage ¹	V_{OC} [V]	45.19	45.23	45.27	45.30	45.34	45.37
	Current at MPP	I_{MPP} [A]	10.59	10.65	10.71	10.77	10.83	10.89
	Voltage at MPP	V_{MPP} [V]	36.36	36.62	36.88	37.13	37.39	37.64
	Efficiency ¹	η [%]	≥ 19.6	≥ 19.9	≥ 20.1	≥ 20.4	≥ 20.6	≥ 20.9
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ²								
Minimum	Power at MPP	P_{MPP} [W]	288.8	292.6	296.3	300.1	303.8	307.6
	Short Circuit Current	I_{SC} [A]	8.90	8.92	8.95	8.97	9.00	9.03
	Open Circuit Voltage	V_{OC} [V]	42.62	42.65	42.69	42.72	42.76	42.79
	Current at MPP	I_{MPP} [A]	8.35	8.41	8.46	8.51	8.57	8.62
	Voltage at MPP	V_{MPP} [V]	34.59	34.81	35.03	35.25	35.46	35.68

¹Measurement tolerances $P_{MPP} \pm 3\%$; I_{SC} ; $V_{OC} \pm 5\%$ 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

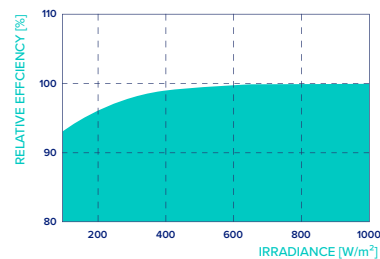


At least 98% of nominal power during first year. Thereafter max. 0.5% degradation per year. At least 93.5% of nominal power up to 10 years. At least 86% of nominal power up to 25 years.

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

¹Standard 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 V_{OC}	β [%/K]	-0.27
Temperature Coefficient of P_{MPP}	γ [%/K]	-0.34	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]	75 (3600 Pa)/55 (2660 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]	113 (5400 Pa)/84 (4000 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

qcells



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION CHECKLIST

PROPERTY ADDRESS: 60 Byers Street

Incomplete application will **NOT** be accepted and scheduled. A complete and valid application **MUST** contain the following information:

- 1) The type of Certificate the petitioner is seeking must be indicated (see Page 1);
- 2) The property owner's signature must appear on the application;
- 3) Relevant and applicable PHOTOGRAPHS, MATERIALS and PLANS specified on the Application

CHECKLIST

APPLICATION

Please complete the attached application and **PROVIDE ADDITIONAL PAGES IF NEEDED.**

PICTURES OF EXISTING CONDITIONS

Please provide color photographs of the project area's current condition. For example, should the project pertain to replacing windows, provide a photograph of what the current windows looks like.

RENDERING OF PROPOSED PROJECT UPON COMPLETION

Please provide a rendering of what the project will look like upon completion. For some products, such as siding, windows, doors, solar powered panels, HVAC systems (including heat pumps), this may include product details from the manufacturer and/or store or a brochure. For paint color-related projects, a sample of the color may suffice. For new construction, renderings from an architect are required.

PRODUCT SPECIFICATIONS

Please provide specifications for any products (e.g. doors, windows, siding, solar powered panels, HVAC systems, etc.) to be utilized during the project. Project details from the manufacturer and/or store, or a brochure, will suffice. *If available, please bring physical samples of the product to the meeting date.*

LETTER OF AUTHORIZATION

If the landowner is unable to attend the hearing, correspondence shall be submitted that authorizes a representative to speak on their behalf about the application.

For more information, visit the City's website: www.springfield-ma.gov/planning/historic-comm or call the Office: (413) 787-6020.

OFFICE USE ONLY	
LOCAL HISTORIC DISTRICT: <u>Thurston Munson House</u>	DECISION:
DATE RECEIVED: <u>April 15, 2026</u>	DECISION DATE:
HEARING DATE: <u>May 7, 2026</u>	DATE DISCUSSED (NO HEARING):
DATE NOTICE POSTED: <u>April 23, 2026</u>	WAIVED BY COMMISSION:
DATE NOTICE MAILED: <u>April 23, 2026</u>	WAIVED BY ABUTTERS:



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION TYPE

PROPERTY ADDRESS: 60 Byers Street *APS 4/30/2026*

APPLICATION TYPE (Select Application Type)

*APS
4/30/2026*

CERTIFICATE OF APPROPRIATENESS

Select this type of application for those changes that are in conformance with the guidelines and/or acceptable for the particular Local Historic District.

CERTIFICATE OF HARDSHIP

Select this type of application for those changes that are not appropriate with the underlying District guidelines, but which are necessary due to economic, physical, social, or other special conditions that apply to the individual property, but do not apply to the overall underlying District.

CERTIFICATE OF NON-APPLICABILITY

Select this type of application for those changes that affect features not controlled by the Commission (e.g. work that involves no change in materials, design or dimensions).

ENVIRONMENTAL REVIEW (I.E. REVIEW OF A STRUCTURE IN A NATIONAL REGISTER DISTRICT/INDIVIDUAL BUILDING)

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PRESERVATION AGREEMENT

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PRESERVATION OF HISTORICALLY SIGNIFICANT BUILDINGS (DEMO DELAY)

Select this type of application if the structure is more than 75 years old and are requesting that the nine (9) month demo delay restriction be lifted in order to commence demolition immediately.

MUNICIPAL PROTOCOL

Select this type of application if the structure relates to a municipally (City of Springfield) owned property, and the project will be facilitated by the municipality (City of Springfield).

SECTION 106 REVIEW

Select this type of application if the project is being submitted in accordance with Section 106.

Recourse: If a petitioner disagrees with a ruling by the Commission, he or she may, within twenty (20) days after filing the notice of such ruling with the City Clerk, appeal to the Superior Court or Housing Court, if applicable. On the other hand, the Historical Commission may, through Superior Court (or Housing Court), seek an injunction against any violation with a historic district's guidelines/standards. The Court may order the removal of any such violation, or the restoration of any building or feature altered or demolition in violation of a historic district's standards. Persons found guilty of any violations may be fined not less than ten dollars (\$10.00) or no more than five hundred dollars (\$500.00).



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION FOR CERTIFICATE

PROPERTY ADDRESS: 60 Byers Street		CHECK BOX IF THE PETITIONER REQUIRES AN INTERPRETER <input type="checkbox"/>
PROPERTY OWNER: ICARIAN Real Estate Advisors		
OWNER ADDRESS: <input checked="" type="checkbox"/> Check box if same as property address 87 A Mill Street, Sprfld. MA 01108		
OWNER PHONE NUMBER: 413-315-0727	REPRESENTATIVE/CONTRACTOR NAME: Demetrios Pantelidakis	
OWNER EMAIL ADDRESS: demetrios@macmillan.org	REPRESENTATIVE/CONTRACTOR PHONE NUMBER: 413-315-0727	
PROPERTY CODE: 02170-0016	REPRESENTATIVE/CONTRACTOR EMAIL ADDRESS:	
PROJECT DESCRIPTION (USE SEPARATE PAGE IF NEEDED): 1955 Art Deco Remodeling w/ City of Springfield and Preservation Trust.		PROPOSED MODIFICATIONS (Please check all that apply) <input checked="" type="checkbox"/> Windows (see Page 3) <input type="checkbox"/> Doors (see Page 4) <input type="checkbox"/> Siding (see Page 5) <input type="checkbox"/> Roofing (see Page 6) <input type="checkbox"/> Solar (see Page 6) <input type="checkbox"/> Signs (see Page 7) <input type="checkbox"/> Heat Pumps (see page 7) <input type="checkbox"/> Paint (see Page 8) <input type="checkbox"/> Renovations (e.g. Porches) (see Page 8) <input type="checkbox"/> New Construction (all of the above) <input type="checkbox"/> Other Projects (see Page 9):
JUSTIFICATION FOR CERTIFICATE OF HARDSHIP (IF APPLICABLE) (USE SEPARATE PAGE IF NEEDED):		

Check box if property owner will be in attendance at the hearing. If not, correspondence from the property owner authorizing a representative to present the application is required.

PROPERTY OWNER'S SIGNATURE

DATE

WINDOWS

Check box indicating that you are submitting an order sheet with renderings/brochure of the proposed windows.

Check box indicating that you are submitting photographs of the existing windows.

Check box indicating that you are aware of the City's Window Guidelines (click [here](#)).

Will the Dimensions of the Windows Change: Yes (Please Provide Details Below Under Additional Information) No

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE CURRENT WINDOWS:

There are 2 non-original rectangular windows that were cut into facade for internal bathroom which are now demo'd.
I would like to eliminate these openings and stucco for painting facade back to original design.

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE WINDOWS:

NUMBER OF WINDOWS TO BE REPLACED/ADDED:	
NEW WINDOW MANUFACTURER:	
MODEL NUMBER(S):	

	EXISTING	PROPOSED
MATERIAL (e.g. wood, vinyl, aluminum, etc):		
EXTERNAL COLOR(S) (e.g. black, white, etc):		
GRID PLACEMENT (Interior or Exterior):		
GRID PATTERN (e.g. two-over-two; six-over-one, etc):		
WINDOW STYLE(S) (e.g. double-hung, etc):		
GLASS TYPE(S) (e.g. single-pane, double-pane, etc):		

ADDITIONAL INFORMATION:

DOORS

Check box indicating that you are submitting an order sheet with renderings/brochure of the proposed door(s).

Check box indicating that you are submitting photographs of the existing door(s).

Will the Dimensions of the Door(s) Change: No Yes (Please Provide Details Below Under Additional Information) No

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE CURRENT DOOR(S):

Existing 3 door openings are 36x80 with side panel class and overhead at front doors as represented in the attached picture. I have chosen a door which matches original style.

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE DOOR(S):

Existing doors non-comforming and badly damaged. Side glass panels have been replaced w/wood. We will restore glass side panels.

NUMBER OF DOOR(S) TO BE REPLACED/ADDED:

3

NEW DOOR MANUFACTURER:

MP Doors

MODEL NUMBER(S):

N3068L4L W/NB 24/313647753
overlay

	EXISTING	PROPOSED
MATERIAL (e.g. steel, fiberglass, etc):		Fiber glass/metal
EXTERNAL COLOR(S) (e.g. black, white, etc):		Black
DOOR STYLE(S) (e.g. colonial, etc):	Art Deco	Art Deco
PANEL PATTERN (e.g. single; two panel, etc):		To match Building
GLASS PLACEMENT:		Center
GLASS TYPE(S) (e.g. single-pane, double-pane, etc):		

ADDITIONAL INFORMATION:



PRIVATE
PROPERTY





36 in. x 80 in. Left-Hand Inswing 4 Lite Water Wave Glass Black Finished Fiberglass Prehung Front... by MP Doors



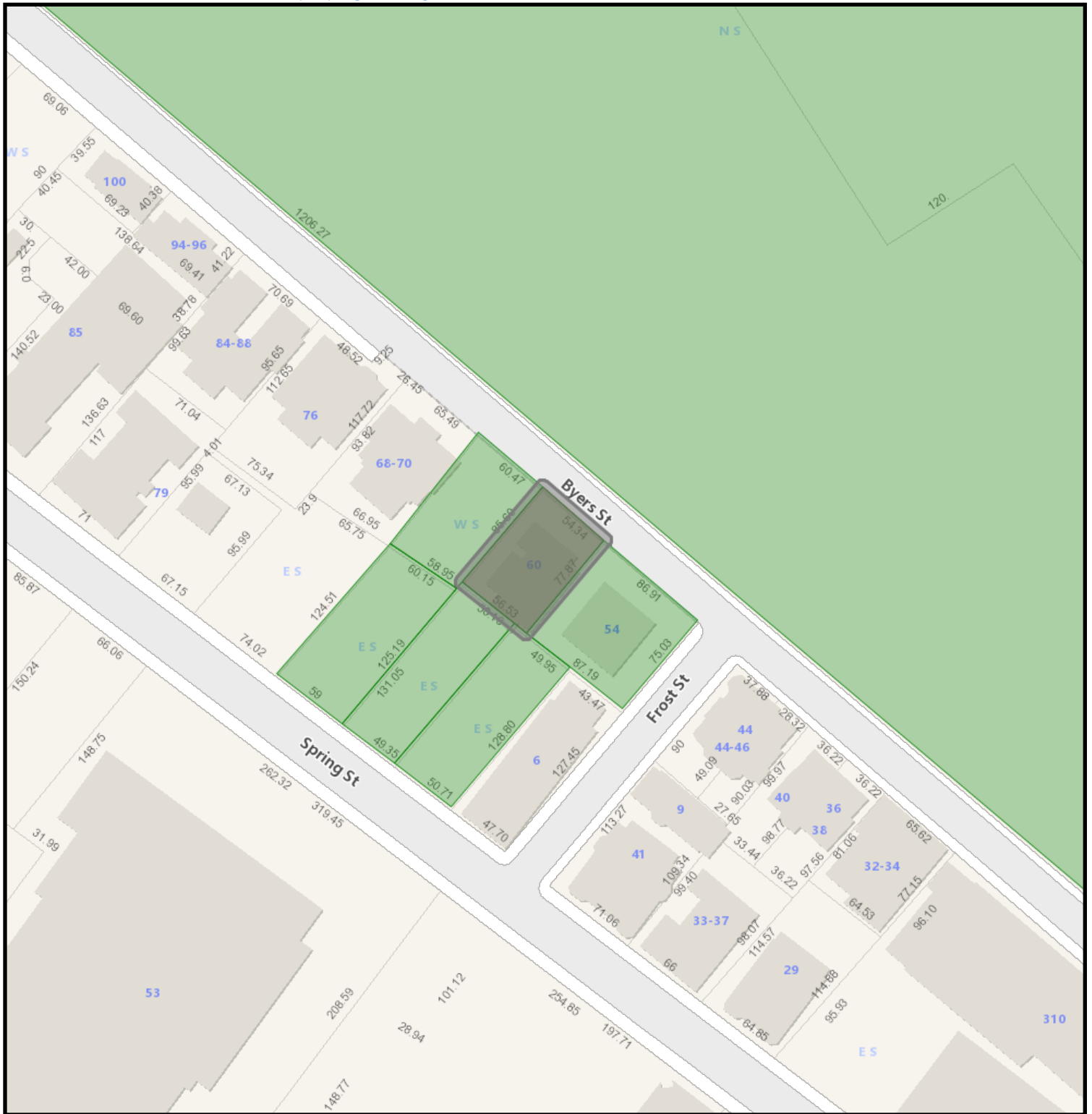
Tap and Hold to Zoom

Feedback







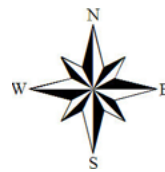


60 Byers Street GIS Map

4/21/2026 3:36:03 PM

Scale: 1"=100'

Scale is approximate



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021700015
HADDAD STEVEN M
P O BOX 4836
SPRINGFIELD, MA 01101

021700016
ICARIAN REAL ESTATE
87A MILL ST
SPRINGFIELD, MA 01108

110400097
MASJID AL-NUR INC
820 WORTHINGTON ST
SPRINGFIELD, MA 01105

110400098
MASJID AL-NUR INC
820 WORTHINGTON ST
SPRINGFIELD, MA 01105

110400099
MASJID AL-NUR INC
820 WORTHINGTON ST
SPRINGFIELD, MA 01105

021700017
NEWCOURT TERRACE LLC
1780 MAIN ST
SPRINGFIELD, MA 01103

111100091
UNITED STATES OF AMERICA
284 STATE ST
SPRINGFIELD, MA 01105



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION CHECKLIST

PROPERTY ADDRESS: 207 Pine St Springfield, MA 01105

Incomplete application will **NOT** be accepted and scheduled. A complete and valid application **MUST** contain the following information:

- 1) The type of Certificate the petitioner is seeking must be indicated (see Page 1);
- 2) The property owner's signature must appear on the application;
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CHECKLIST

APPLICATION

Please complete the attached application and **PROVIDE ADDITIONAL PAGES IF NEEDED.**

PICTURES OF EXISTING CONDITIONS

Please provide color photographs of the project area's current condition. For example, should the project pertain to replacing windows, provide a photograph of what the current windows looks like.

RENDERING OF PROPOSED PROJECT UPON COMPLETION

Please provide a rendering of what the project will look like upon completion. For some products, such as siding, windows, doors, solar powered panels, HVAC systems (including heat pumps), this may include product details from the manufacturer and/or store or a brochure. For paint color-related projects, a sample of the color may suffice. For new construction, renderings from an architect are required.

PRODUCT SPECIFICATIONS

Please provide specifications for any products (e.g. doors, windows, siding, solar powered panels, HVAC systems, etc.) to be utilized during the project. Project details from the manufacturer and/or store, or a brochure, will suffice. *If available, please bring physical samples of the product to the meeting date.*

LETTER OF AUTHORIZATION

If the landowner is unable to attend the hearing, correspondence shall be submitted that authorizes a representative to speak on their behalf about the application.

For more information, visit the City's website: www.springfield-ma.gov/planning/historic-comm or call the Office: (413) 787-6020.

OFFICE USE ONLY	
LOCAL HISTORIC DISTRICT: Maple Hill	DECISION:
DATE RECEIVED: April 9, 2026	DECISION DATE:
HEARING DATE: May 7, 2026	DATE DISCUSSED (NO HEARING):
DATE NOTICE POSTED: April 23, 2026	WAIVED BY COMMISSION:
DATE NOTICE MAILED: April 23, 2026	WAIVED BY ABUTTERS:



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION TYPE

PROPERTY ADDRESS: 207 Pine St Springfield, MA 01105

APPLICATION TYPE (Select Application Type)

CERTIFICATE OF APPROPRIATENESS

Select this type of application for those changes that are in conformance with the guidelines and/or acceptable for the particular Local Historic District.

CERTIFICATE OF HARDSHIP

Select this type of application for those changes that are not appropriate with the underlying District guidelines, but which are necessary due to economic, physical, social, or other special conditions that apply to the individual property, but do not apply to the overall underlying District.

CERTIFICATE OF NON-APPLICABILITY

Select this type of application for those changes that affect features not controlled by the Commission (e.g. work that involves no change in materials, design or dimensions).

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MUNICIPAL PROTOCOL

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SECTION 106 REVIEW

Select this type of application if the project is being submitted in accordance with Section 106.

Recourse: If a petitioner disagrees with a ruling by the Commission, he or she may, within twenty (20) days after filing the notice of such ruling with the City Clerk, appeal to the Superior Court or Housing Court, if applicable. On the other hand, the Historical Commission may, through Superior Court (or Housing Court), seek an injunction against any violation with a historic district's guidelines/standards. The Court may order the removal of any such violation, or the restoration of any building or feature altered or demolition in violation of a historic district's standards. Persons found guilty of any violations may be fined not less than ten dollars (\$10.00) or no more than five hundred dollars (\$500.00)



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION FOR CERTIFICATE

PROPERTY ADDRESS: 207 Pine St Springfield, MA 01105		CHECK BOX IF THE PETITIONER REQUIRES AN INTERPRETER <input type="checkbox"/>
PROPERTY OWNER: Ayala Properties LLC		
OWNER ADDRESS: <input type="checkbox"/> Check box if same as property address 50 Clayton St Springfield, MA 01107		
OWNER PHONE NUMBER: 413-219-4901	REPRESENTATIVE/CONTRACTOR NAME: Alberto Ayala	
OWNER EMAIL ADDRESS: alberto1@aol.com	REPRESENTATIVE/CONTRACTOR PHONE NUMBER: 413-219-4901	
PROPERTY CODE: 09715-0141	REPRESENTATIVE/CONTRACTOR EMAIL ADDRESS: alberto1@aol.com	
PROJECT DESCRIPTION (USE SEPARATE PAGE IF NEEDED): Front Porch - Rails, stairs Rear Porch - entire porch re-build		PROPOSED MODIFICATIONS (Please check all that apply) <input type="checkbox"/> Windows (see Page 3) <input type="checkbox"/> Doors (see Page 4) <input type="checkbox"/> Siding (see Page 5) <input type="checkbox"/> Roofing (see Page 6) <input type="checkbox"/> Solar (see Page 6) <input type="checkbox"/> Signs (see Page 7) <input type="checkbox"/> Heat Pumps (see page 7) <input type="checkbox"/> Paint (see Page 8) <input checked="" type="checkbox"/> Renovations (e.g. Porches) (see Page 8) <input type="checkbox"/> New Construction (all of the above) <input type="checkbox"/> Other Projects (see Page 9):
JUSTIFICATION FOR CERTIFICATE OF HARDSHIP (IF APPLICABLE) (USE SEPARATE PAGE IF NEEDED):		

Check box if property owner will be in attendance at the hearing. If not, correspondence from the property owner authorizing a representative to present the application is required.

4-4-26

PROPERTY OWNER'S SIGNATURE

DATE

PAINT

<input type="checkbox"/>	Check box indicating that you are submitting samples of the proposed paint color(s).
<input type="checkbox"/>	Check box indicating that you are submitting photographs of the existing conditions (existing color(s)).
BUILDING SIDE(S) WITH NEW PAINT COLOR:	N/A
PAINTING OF OTHER STRUCTURES (e.g. porch, deck, sunroom, etc.):	
	EXISTING PROPOSED
COLORS:	

RENOVATIONS

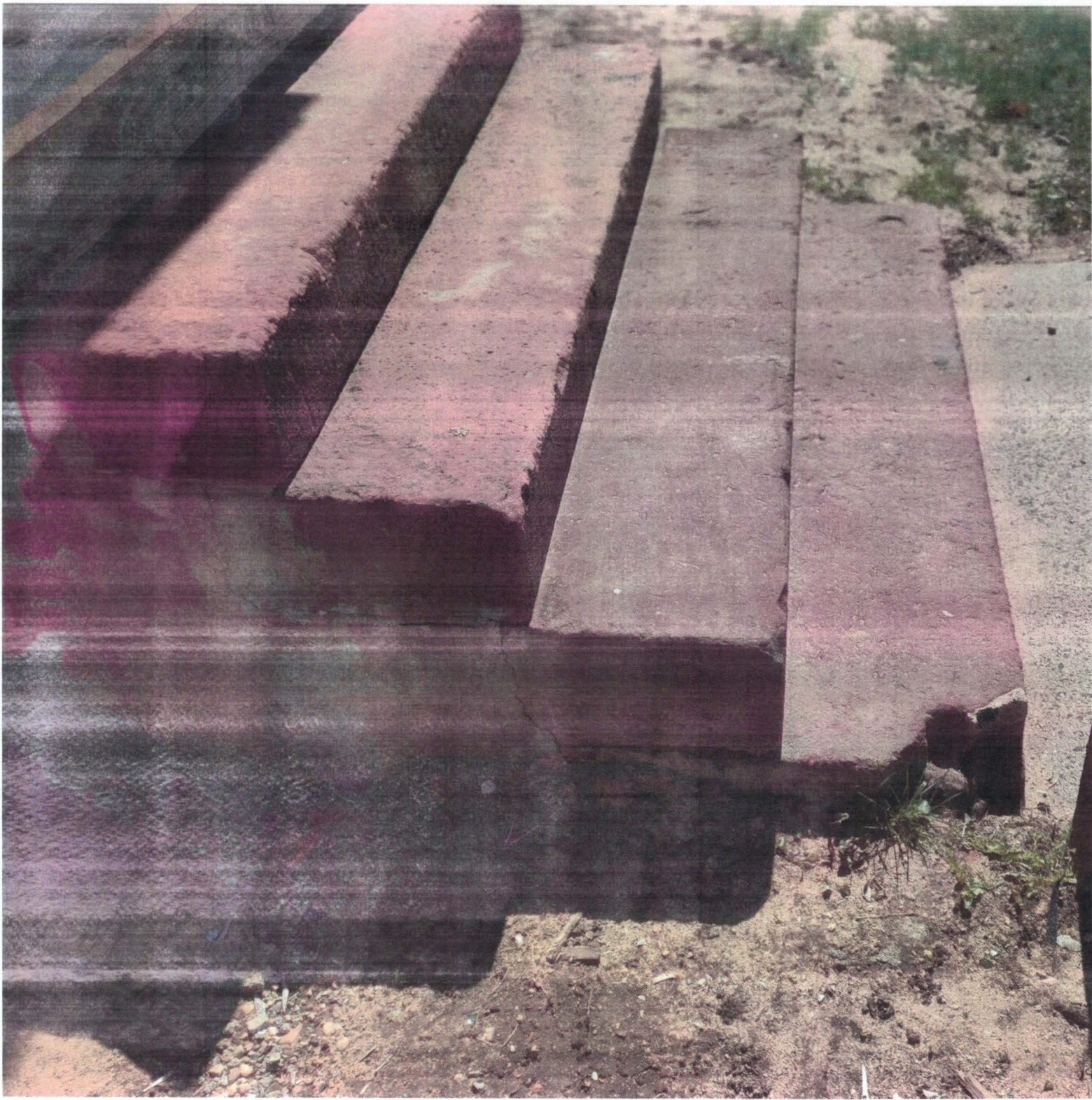
FOR ANY RENOVATIONS INVOLVING MODIFICATIONS TO WINDOWS, DOORS, SIDING, ROOFING OR PAINT, PLEASE FILL OUT THOSE SECTIONS OF THIS APPLICATION (PAGES 2 AND 3).

<input checked="" type="checkbox"/>	Check box indicating that you are submitting brochures and/or renderings of the proposed renovation(s).
<input checked="" type="checkbox"/>	Check box indicating that you are submitting photographs of the existing conditions (existing colors).
STRUCTURE BEING RENOVATION (e.g. front porch, side porch, etc.):	Front Ballasters & Rear Porch
WILL THERE BE RENOVATIONS TO RAILINGS, FLOORING, CEILING:, BALLASTERS, PILLARS, STEPS?	<input checked="" type="checkbox"/> YES (PLEASE PROVIDE MORE INFO BELOW) <input type="checkbox"/> No

EXISTING CONDITIONS/DESCRIPTION	PROPOSED RENOVATIONS
<p>Front Porch</p> <ul style="list-style-type: none"> - Replace pressure treated Ballasters - Replace front steps 	<p style="text-align: right;">Veranda Traditional</p> <p>Front Porch w/ Black Ballasters</p> <ul style="list-style-type: none"> - Install new with Black Ballasters / white Posts - Install new with Black Ballasters / white Posts
<p>Rear Porch</p> <ul style="list-style-type: none"> - Replace pressure treated porch - 3 story porch was falling down - safety hazard 	<p>Rear Porch</p> <ul style="list-style-type: none"> - Install new pressure treated to code - Rendering Provide



current condition



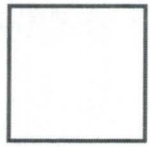
Current
Condition

★★★★ (2) ★★★★★ (750) ★★★★★ (632)

Traditional 6 ft. x 36 in. (Actual Size: 67-3/4 x 33 1/4" in.) Whit...

by Veranda

*Veranda Traditional
w/ Black ballasters*



Veranda

←

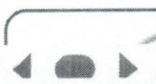
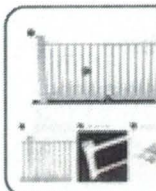
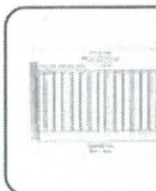
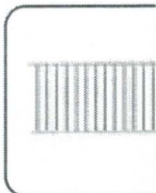
↙

Feedback

Hover Image to Zoom

Gallery

Videos



6 ft. x 36 in. Traditional White PolyComposite Stair Railing Kit with Black Metal Balusters

by Veranda



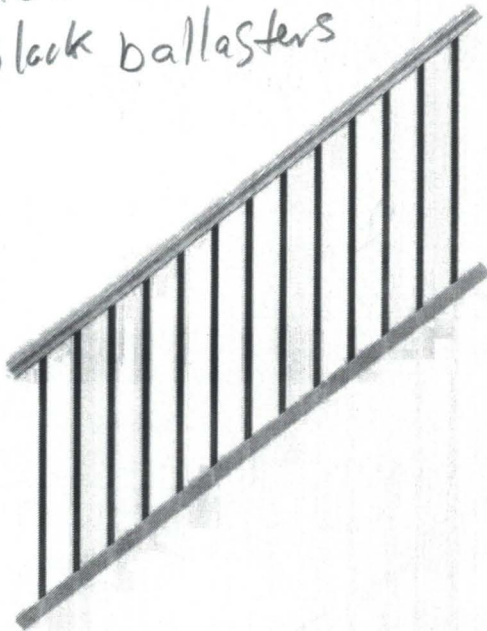
Images (7)

Videos (1)

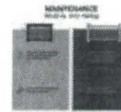
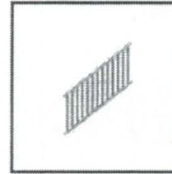
360° View (1)

Customer Images (15)

Veranda Traditional
w/ Black balusters



Hover Image to Zoom



Feedback

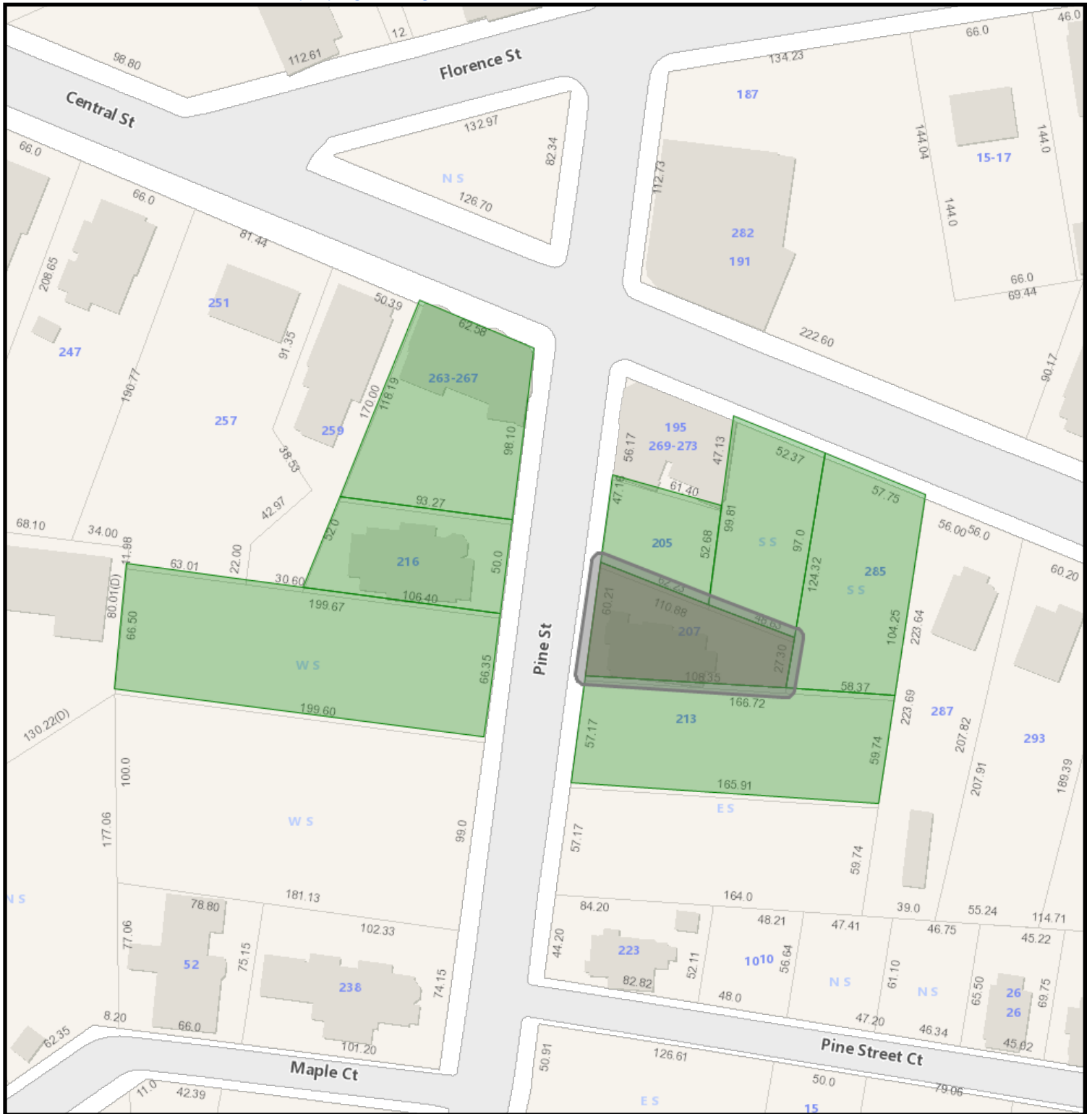


neighbor
211 Pine St



neighbor 263 Central St



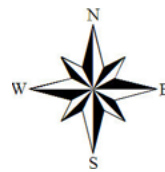


207 Pine Street GIS Map

4/21/2026 3:39:28 PM

Scale: 1"=75'

Scale is approximate



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097150141
AYALA PROPERTIES LLC
50 CLAYTON ST
SPRINGFIELD, MA 01107

097150053
BLAKE CHENELL T
216 PINE ST
SPRINGFIELD, MA 01105

097150055
COMMONWEALTH ACADEMY
1913 NORTHAMPTON ST
HOLYOKE, MA 01040

097150140
HAILU AKLILU KASSAYE
211 PINE ST
SPRINGFIELD, MA 01105

025600177
SPRINGFIELD CITY OF
36 COURT ST
SPRINGFIELD, MA 01103

097150142
SPRINGFIELD CITY OF
36 COURT ST
SPRINGFIELD, MA 01103

025600178
SPRINGFIELD REALTY
55 WINDHAM ST
EAST LONGMEADOW, MA

025600183
VIVA DEVELOPMENT LLC
50 CLAYTON STREET
SPRINGFIELD, MA 01107



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION CHECKLIST

PROPERTY ADDRESS: *WS Westminster Street (12271-0032)*

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OFFICE USE ONLY	
LOCAL HISTORIC DISTRICT: <i>McKnight</i>	DECISION:
DATE RECEIVED: <i>April 13, 2026</i>	DECISION DATE:
HEARING DATE: <i>May 7, 2026</i>	DATE DISCUSSED (NO HEARING):
DATE NOTICE POSTED: <i>April 23, 2026</i>	WAIVED BY COMMISSION:
DATE NOTICE MAILED: <i>April 23, 2026</i>	WAIVED BY ABUTTERS:



Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION TYPE

PROPERTY ADDRESS: WS Westminster Street (12291-0032)

APPLICATION TYPE (Select Application Type)

CERTIFICATE OF APPROPRIATENESS

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CERTIFICATE OF HARDSHIP

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Springfield Historical Commission



70 Tapley Street
Springfield, MA 01104
(413) 787-6020 (office)
(413) 787-6524 (fax)

APPLICATION FOR CERTIFICATE

PROPERTY ADDRESS: w/s Westminister St. (12201-0032)		CHECK BOX IF THE PETITIONER REQUIRES AN INTERPRETER <input type="checkbox"/>
PROPERTY OWNER: DB Investments and Properties LLC		
OWNER ADDRESS: <input type="checkbox"/> Check box if same as property address 20 Cortland St, Spfd, Ma, 01109		
OWNER PHONE NUMBER: (413) 387-7151	REPRESENTATIVE/CONTRACTOR NAME: Richard Hanks	
OWNER EMAIL ADDRESS: BLOstyles@yahoo.com	REPRESENTATIVE/CONTRACTOR PHONE NUMBER: (413) 777-9683	
PROPERTY CODE: (12201-0032)	REPRESENTATIVE/CONTRACTOR EMAIL ADDRESS: Michaelsimmonds100@yahoo.com	
PROJECT DESCRIPTION (USE SEPARATE PAGE IF NEEDED): New construction: Single Family Colonial		PROPOSED MODIFICATIONS (Please check all that apply) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Windows (see Page 3) <input checked="" type="checkbox"/> Doors (see Page 4) <input checked="" type="checkbox"/> Siding (see Page 5) <input checked="" type="checkbox"/> Roofing (see Page 6) <input type="checkbox"/> Solar (see Page 6) - N/A <input type="checkbox"/> Signs (see Page 7) - N/A <input type="checkbox"/> Heat Pumps (see page 7) - N/A <input checked="" type="checkbox"/> Paint (see Page 8) <input type="checkbox"/> Renovations (e.g. Porches) (see Page 8) <input checked="" type="checkbox"/> New Construction (all of the above) <input type="checkbox"/> Other Projects (see Page 9):
JUSTIFICATION FOR CERTIFICATE OF HARDSHIP (IF APPLICABLE) (USE SEPARATE PAGE IF NEEDED):		

Check box if property owner will be in attendance at the hearing. If not, correspondence from the property owner authorizing a representative to present the application is required.

PROPERTY OWNER'S SIGNATURE

4-10-26
DATE

WINDOWS

Check box indicating that you are submitting an order sheet with renderings/brochure of the proposed windows.

Check box indicating that you are submitting photographs of the existing windows.

Check box indicating that you are aware of the City's Window Guidelines (click [here](#)).

Will the Dimensions of the Windows Change: Yes (Please Provide Details Below Under Additional Information) No

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE CURRENT WINDOWS:

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE WINDOWS:

NUMBER OF WINDOWS TO BE REPLACED/ADDED:

13

NEW WINDOW MANUFACTURER:

MAX VIEW

MODEL NUMBER(S):

	EXISTING	PROPOSED
MATERIAL (e.g. wood, vinyl, aluminum, etc):		Vinyl
EXTERNAL COLOR(S) (e.g. black, white, etc):		Black
GRID PLACEMENT (Interior or Exterior):		Interior
GRID PATTERN (e.g. two-over-two; six-over-one, etc):		Six over six
WINDOW STYLE(S) (e.g. double-hung, etc):		Double hung
GLASS TYPE(S) (e.g. single-pane, double-pane, etc):		Double-pane
ADDITIONAL INFORMATION:		



M MaXview II by NORANDEX



COMPLEMENT YOUR REMODELING PROJECTS WITH OTHER QUALITY EXTERIOR PRODUCTS

In addition to windows, we offer other top quality products to beautify a home and fulfill your home remodeling needs. Whether it's vinyl siding, entry doors, soffit or trim, you can rest comfortably knowing you've finished your project with performance products that are among the best the industry has to offer.



www.norandex.com

M MaXview II by NORANDEX



Replacement Vinyl Windows Designed for Excellence

MaXview II

by NORANDEX

STANDARD FEATURES

- 3/4" Warm-edge Insulated Glass
- Commercial Grade Constant Force Balances
- Heavy Duty Extruded Locking Half Screen
- Continuous Head & Sill
- Watertight Full Capture Sill
- Lifetime, Non-ProRated Warranty
- Lifetime Glass Breakage Warranty

OPTIONAL FEATURES

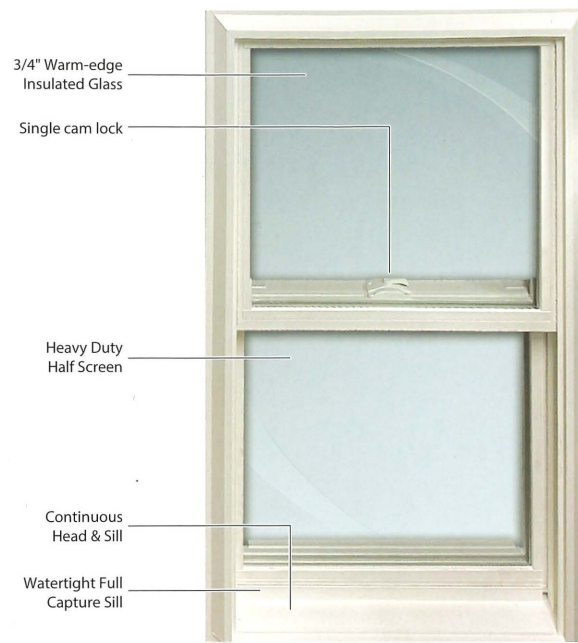
- Energy Star Rated, Low-E & Argon Insulated Glass
- Heavy Duty Rollformed Full Screen
- Structural Mullions for Commercial Applications
- GBG and SDL Grids
- Balance Covers
- Exterior Coating Colors

CHOOSE YOUR COLOR

INTERIOR COLORS



EXTERIOR COLORS

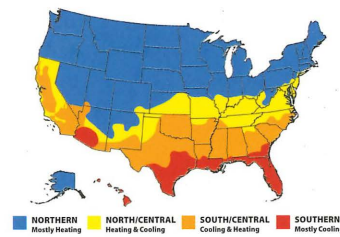


CHOOSE YOUR STYLE



CHOOSE YOUR GLASS

- LowE-2 | EnergyStar North Central
- LowE-2 Solar | EnergyStar South Central
- LowE-3 | EnergyStar Northern (Perspective)
- LowE-4 | EnergyStar Northern

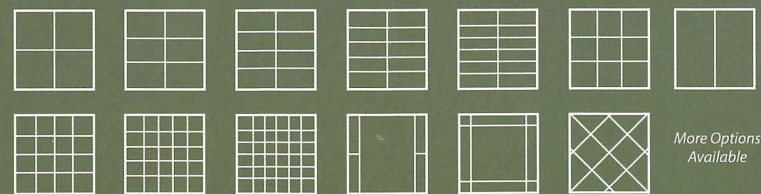


CHOOSE YOUR GRID STYLE & PATTERN

GRID STYLE



GRID PATTERN



MAXVIEW II REPLACEMENT WINDOW

The MaXviewII by Norandex window with 3/4" warm-edge, insulated glass is designed to meet Energy Star ratings in all climate zones.

With a bold bevel and stylishly designed frame, the MaXviewII window comes with a lifetime, non-prorated warranty that covers both residential and commercial applications.

A versatile and meticulously designed window, the MaXviewII boasts modern sightlines, solid performance, and a variety of styles and options to complete any project.

APPEARANCE

With a stylishly enhanced bevel designed for a bold appearance, the MaXviewII series offers exterior coating color options as well as custom colors.

OPERATION

A corrosion resistant Teflon coated, stainless steel, constant force balance system allows for smooth and effortless operation, along with a sturdy lock and keeper system that exceeds forced entry requirements.

EFFICIENCY

The MaXviewII is designed with a sloped, full capture sill for increased defense against air & water infiltration, and 3/4" warm-edge insulated glass for improved thermal performance.



AAMA GOLD LABEL CERTIFICATION
Highest level of testing for quality and performance



When choosing windows for their energy efficiency, it is important to select a glass package that meets the performance requirements for your climate zone. All of MaXviewII by Norandex™ innovative glass packages offer exceptional energy efficiency and are designed to accommodate the particular needs of homeowners throughout the United States.



MaxviewII windows are produced for Norandex Building Products by United Window & Door



PARADIGM
WINDOWS

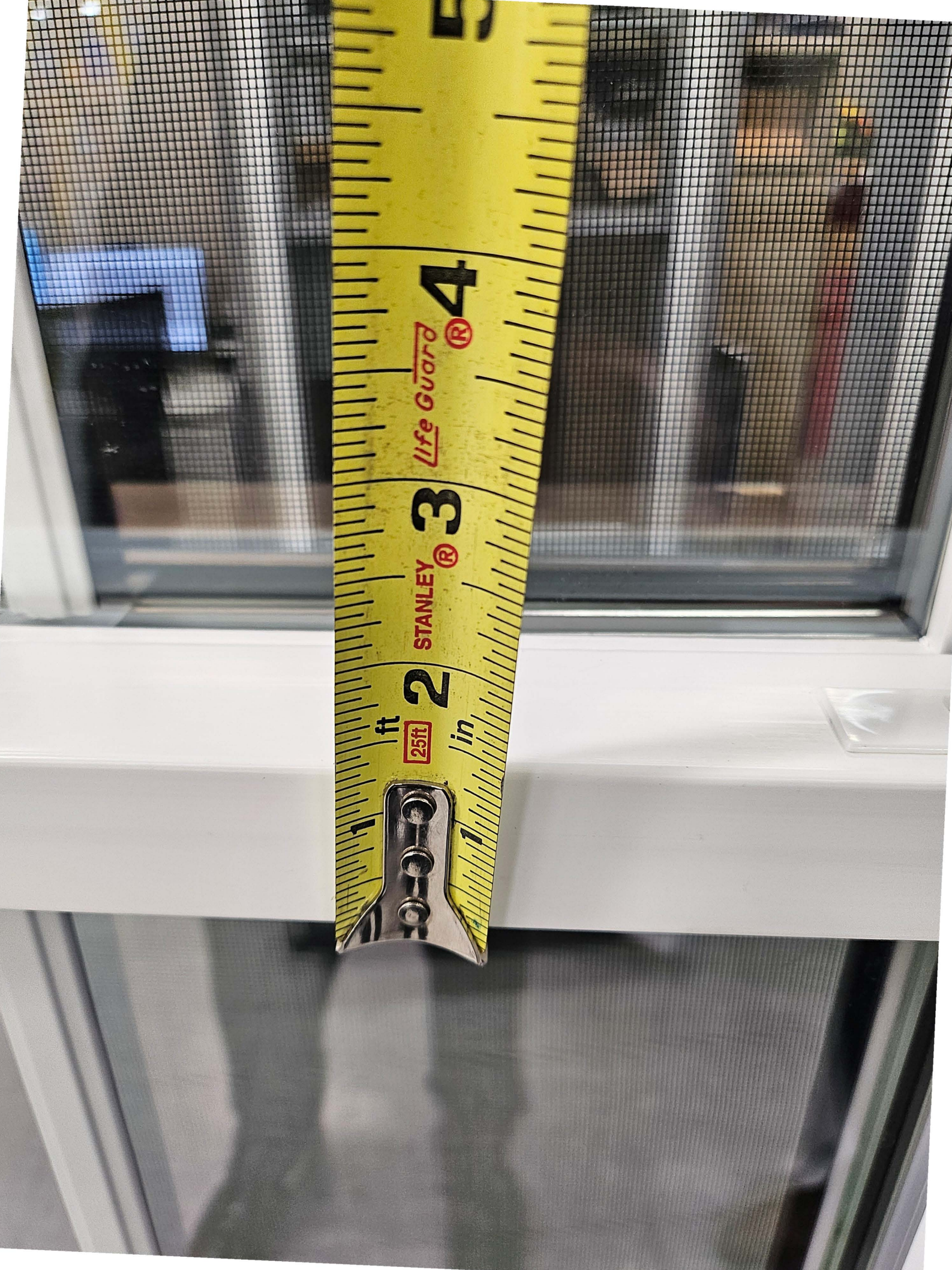
M
MaXview
NORANDEX

REAST

VELUX
The No Leak Skylight

VELUX
The No Leak Skylight

VELUX
The No Leak Skylight

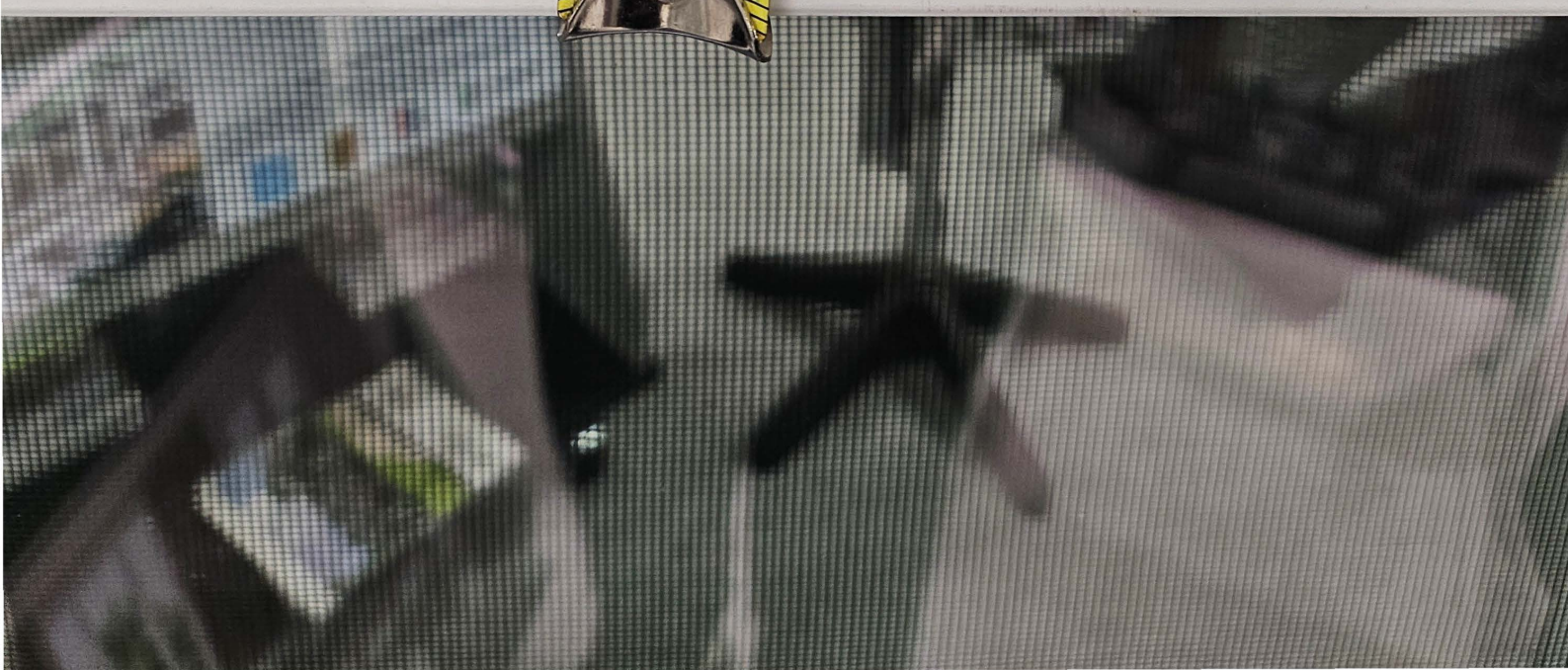
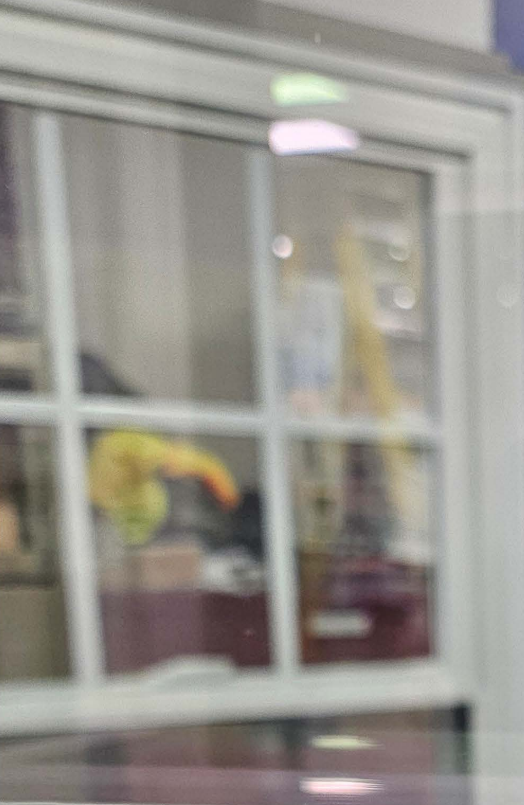


1 ft 25ft 1 in
1 2 3 4
STANLEY®
Life Guard®

WINDOWS

Windows & Doors

Product Structures



DOORS

Check box indicating that you are submitting an order sheet with renderings/brochure of the proposed door(s).

Check box indicating that you are submitting photographs of the existing door(s).

Will the Dimensions of the Door(s) Change: Yes (Please Provide Details Below Under Additional Information) No

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE CURRENT DOOR(S):

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE DOOR(S):

NUMBER OF DOOR(S) TO BE REPLACED/ADDED:

2

NEW DOOR MANUFACTURER:

Home Depot

MODEL NUMBER(S):

N/A

EXISTING

PROPOSED

MATERIAL (e.g. steel, fiberglass, etc):

Steel

EXTERNAL COLOR(S) (e.g. black, white, etc):

Black.

DOOR STYLE(S) (e.g. colonial, etc):

Colonial

PANEL PATTERN (e.g. single; two panel, etc):

2 panel

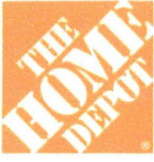
GLASS PLACEMENT:

left, right & top of door.

GLASS TYPE(S) (e.g. single-pane, double-pane, etc):

Single-pane

ADDITIONAL INFORMATION:



The Home Depot Special Order Quote

Customer Agreement #: H2662-441616

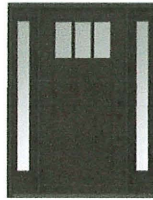
Printed Date: 3/27/2026

Customer: DJUAN BARKLOW
Address: 90 ARNOLD AVE
 SPRINGFIELD, MA 01119
Phone: 413-387-7151
Email: BLOSTYLES@YAHOO.COM

Store: WEST SPRINGFIELD - 2662 -
 2662
Address: 179 DAGGETT DR
 WEST SPRINGFIELD, MA
 01089
Associate: MICHAEL
Phone: 1413-731-9700

Pre-Savings Total: \$9,961.21
Total Savings: (\$0.00)
Pre-Tax Price: \$9,961.21

All prices are subject to change. Customer is responsible for verifying product selections. The Home Depot will not accept returns for the below products.



Actual Unit Size = 63 1/2" x 81 5/8"
 R/O Size = 64 1/4" x 82 1/8"

Catalog Version 113

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
100-1	Standard Entry Door Single Prehung w/ 2 SLs 63 1/2" x 81 5/8" Smooth Timeless Black 976253	Without Transom	\$3,657.26	\$3,657.26	1	\$0.00	\$3,657.26
Unit 100 Total:			\$3,657.26	\$3,657.26		\$0.00	\$3,657.26

Begin Line 100 Description

---- Line 100-1 ----

Standard Entry Door,
 Entry Door,
 63.5 x 81.625
 Unit 1, 3: Sidelite Frame Width = 12.75,
 Unit 1, 3: Frame Height = 81.625
 Unit 2: Door Frame Width = 36,
 Unit 2: Frame Height = 81.625
 Overall Dimensions = 63.5 x 81.625
 Unit 1, 3: Select U.S. ENERGY STAR® Climate Zone = Northern,
 Unit 1, 3: Impact Rated = None
 Unit 2: Unit Type = Complete Unit,
 Unit 2: Order Method = Special Order Only,
 Unit 2: Select U.S. ENERGY STAR® Climate Zone = Northern,
 Unit 2: Impact Rated = None,
 Unit 2: Handing = Left
 Mull Type = Continuous Head and Sill - Standard
 Unit 1, 3: Nominal Sidelite Width = 12-in,
 Unit 1, 3: Nominal Sidelite Height = 80-in,
 Unit 1, 3: Cut Down = No,
 Unit 1, 3: Texture = Smooth,
 Unit 1, 3: Door Style = Panel with Glass,

Unit 2: Nominal Height = 80-in,
 Unit 2: Cut Down = No,
 Unit 2: Door Handing and Swing = Left Hand Inswing,
 Unit 2: Texture = Smooth,
 Unit 2: Door Style = Panel with Glass,
 Unit 2: Door Panel Layout = Craftsman Rectangle Flush,
 Unit 2: Door Glass Size = 24-1/8"x16"-425,
 Unit 2: Glass Option = Clear w-External Grille,
 Unit 2: Glass Design = Clear,
 Unit 2: Glass Caming = No Caming,
 Unit 2: Grille Style = External,
 Unit 2: Grille Layout = 3-Lite Craftsman,
 Unit 2: Finish Type = Pre-Paint Custom Color(s),
 Unit 2: Prefinish Exterior = Timeless Black,
 Unit 2: Prefinish Interior = Timeless Black
 Sidelite Style = Full Lite Flush,
 Sidelite Glass Size = 7"x63-7/8"-160,
 Sidelite Glass Option = Clear LowE,
 Sidelite Glass Design = Clear,
 Sidelite Caming = No Caming,
 Sidelite Grille Style = None,

Wrapping - Brickmold = Attached
 Unit 1, 3: Peepsite Prep = No
 Unit 2: Bore = Double Bore,
 Unit 2: Backset = 2-3/8-in,
 Unit 2: Deadbolt Bore Diameter = 2-1/8-in,
 Unit 2: Deadbolt Jamb Prep = 1" x 2-1/4-in,
 Unit 2: Peepsite Prep = No,
 Unit 2: Additional Door Accessories = None
 Unit 1, 3: Satisfied Energy Star Zones: = Northern, North Central, South Central, Southern,
 Unit 1, 3: Room Location = Without Transom,
 Unit 1, 3: Unit of Measure = EA
 Unit 2: FL # = 20867.3,
 Unit 2: TDI # = DR-212,
 Unit 2: DP Rating = +55/-55,
 Unit 2: Satisfied Energy Star Zones: = Northern, North Central, South Central, Southern,
 Unit 2: Room Location = Without Transom,
 Unit 2: Remake? = No,
 Unit 2: Unit of Measure = EA
 SKU = 976253,
 Vendor Name = S/O FEATHER RIVER DOOR,
 Vendor Number = 60065428,

Unit 1, 3: Door Panel Layout = Craftsman Rectangle Flush,
 Unit 1, 3: Glass Option = Clear w-External Grille,
 Unit 1, 3: Finish Type = Pre-Paint Custom Color(s),
 Unit 1, 3: Prefinish Exterior = Timeless Black,
 Unit 1, 3: Prefinish Interior = Timeless Black
 Unit 2: Nominal Door Width = 36-in,
 Unit 2: Nominal Width = 36-in,

Sidelite Grille Layout = None
 Sill Type = Composite Adjustable,
 Sill Finish = Patina,
 Jamb Size = 4 9/16-in,
 Jamb Options = Pre-Painted PVC Jamb,
 Jamb Paint Finish Exterior = Timeless Black,
 Jamb Paint Finish Interior = Timeless Black,

Customer Service = 800-375-8120,
 Catalog Version Date = 10/14/2025,
 SKU Description = S/O F-RIVER PRE-PAINT PROGRAM
 Vertical,
 Common Frame,
 1" thick, 81.625" length

End Line 100 Description



Actual Unit Size = 63 1/2" x 12"
 R/O Size = 64 1/4" x 12 1/2"

Catalog Version 113

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
200-1	Standard Entry Door Transom Only 63 1/2" x 12" Smooth Timeless Black 976253	Without Transom	\$1,199.95	\$1,199.95	1	\$0.00	\$1,199.95
Unit 200 Total:			\$1,199.95	\$1,199.95		\$0.00	\$1,199.95

Begin Line 200 Description

---- Line 200-1 ----

Standard Entry Door,
 Entry Door,
 63.5 x 12
 Frame Width = 63.5,
 Frame Height = 12
 Overall Dimensions = 63.5 x 12
 Unit Type = Complete Unit,
 Order Method = Special Order Only,
 Impact Rated = None
 Nominal Transom Width = 63 1/2-in,
 EDS Transom Width = 60-in,
 Nominal Transom Height = 12-in,
 Door Handing and Swing = Inswing Fixed,
 Texture = Smooth,
 Finish Type = Pre-Paint Custom Color(s),

Prefinish Exterior = Timeless Black,
 Prefinish Interior = Timeless Black
 Transom Glass Option = Clear LowE w-SDL,
 Transom Glass Size = 61-3/4"x10-1/4"-622,
 Transom Glass Design = Clear,
 Transom Caming = No Caming,
 Transom Grille Style = 1-1/8"-SDL,
 Transom Grille Layout = 5-Lite Vertical SDL,
 Use Glass Size = ,
 Transom Nominal Width Offset = 5,
 Transom Nominal Height Offset = 5
 Jamb Size = 4 9/16-in,
 Jamb Options = Pre-Painted PVC Jamb,
 Jamb Paint Finish Exterior = Timeless Black,
 Jamb Paint Finish Interior = Timeless Black,

Wrapping - Brickmold = Attached
 Transom FL # = 5016_R4,
 TDI # = ,
 Transom DP Rating = +65/-65,
 Satisfied Energy Star Zones: = Northern, North Central, South Central, Southern,
 Room Location = Without Transom,
 Remake? = No,
 Unit of Measure = EA
 SKU = 976253,
 Vendor Name = S/O FEATHER RIVER DOOR,
 Vendor Number = 60065428,
 Customer Service = 800-375-8120,
 Catalog Version Date = 10/14/2025,
 SKU Description = S/O F-RIVER PRE-PAINT PROGRAM

End Line 200 Description



Unit 1, 3: Sidelite Frame Width = 12.75
 Unit 1, 3: Frame Height = 82
 Unit 2: Door Frame Width = 36.125
 Unit 2: Frame Height = 82

Catalog Version 430

Line Number	Item Summary	Room Location	Was Price	Now Price	Quantity	Total Savings	Total Price
300-1	Exterior Fiberglass Entry Door 63.625 x 82 Smooth-Star Craftsman Lite 2 Panel Paint Both Sides	Without Transom	\$5,104.00	\$5,104.00	1	\$0.00	\$5,104.00
Unit 300 Total:			\$5,104.00	\$5,104.00		\$0.00	\$5,104.00

Begin Line 300 Description

---- Line 300-1 ----

Exterior Fiberglass Entry Door 63.625 x 82
Unit 1, 3: Sidelite Frame Width = 12.75
Unit 1, 3: Frame Height = 82
Unit 2: Door Frame Width = 36.125
Unit 2: Frame Height = 82
Cut Down = No
Unit 1, 3: Configuration = Exterior Fiberglass - Single with 2 Sidelites
Unit 1, 3: Fire Rating = No
Unit 1, 3: Impact Rated = No
Unit 1, 3: Sidelite Type = Standard
Unit 2: Configuration = Exterior Fiberglass - Single with 2 Sidelites
Unit 2: Impact Rated = No
Unit 2: Sidelite Type = Standard
Door Swing = Inswing
Handing = Inswing Left
Slab Width = 3'0"
Slab Height = 6' 8"
Glass Layout = Craftsman Lite
Material = Smooth-Star
Panel Design = Craftsman Lite 2 Panel
Glass Size = 21x15
Glass Type = Clear w/ Grilles
Grille Style = Simulated Divided Lites (SDLs)
Glass Style = 2 Lite SDL
Grille Color = None
Low-E = Yes
Caming Option = None
Frame Type = Scroll Frame
Dentil Shelf = No
Model = S605-ADVSSDLLE
Sidelite Slab Width = 12"
Sidelite Slab Height = 6' 8"
Sidelite Material = Smooth-Star

Sidelite Glass Layout = Full Lite
Sidelite Panel Design = Full Lite Sidelite w/ Stile Lines
Sidelite Glass Size = 7x64
Sidelite Glass Type = Clear w/ Grilles
Sidelite Grille Style = Fixed Grilles
Sidelite Grille Color = None
Sidelite Low-E = Yes
Sidelite Caming Option = None
Sidelite Frame Type = Scroll Frame
Sidelite Model = S308SL-FXGLE
Unit 1, 3: Prefinish Options = Prefinish Door and Frame
Unit 1, 3: Sidelite Prefinish Matches Door = Yes
Unit 1, 3: Sidelite Prefinishing = Paint Both Sides
Unit 1, 3: Sidelite Exterior Paint = Obsidian
Unit 1, 3: Sidelite Interior Paint = Obsidian
Unit 1, 3: Frame Prefinishing Options = Paint Both Sides
Unit 1, 3: Exterior Frame Paint = Obsidian
Unit 1, 3: Interior Frame Paint = Obsidian
Unit 2: Prefinish Options = Prefinish Door and Frame
Unit 2: Door Prefinishing = Paint Both Sides
Unit 2: Exterior Paint = Obsidian
Unit 2: Interior Paint = Obsidian
Unit 2: Frame Prefinishing Options = Paint Both Sides
Unit 2: Exterior Frame Paint = Obsidian
Unit 2: Interior Frame Paint = Obsidian
Unit 1, 3: Jamb Depth = 4 9/16"
Unit 1, 3: Jamb Material = Reeb On Guard Primed
Unit 1, 3: Color Matched Frame Screw Plug Installation Kit = Yes
Unit 1, 3: Sill Type = Composite Adjustable
Unit 1, 3: Sill Cap = Dark Wood
Unit 1, 3: Sill Pan = Yes
Unit 1, 3: Protective Sill Cover = Yes

Unit 2: Jamb Depth = 4 9/16"
Unit 2: Jamb Material = Reeb On Guard Primed
Unit 2: Color Matched Frame Screw Plug Installation Kit = Yes
Unit 2: Sill Type = Composite Adjustable
Unit 2: Sill Finish = Bronze
Unit 2: Sill Cap = Dark Wood
Unit 2: Sill Pan = Yes
Unit 2: Protective Sill Cover = Yes
Unit 2: Weatherstrip Option = Compression Bronze
Lock System Type = Lock Prep Only - No Hardware
Door Bore = Double Bore 2 3/8" Backset
Deadbolt Strike Jamb Prep = DBM
Hinge Type = Ball Bearing
Hinge Finish = Black Nickel
Kick Plate = None
Exterior Casing = Primed On-Guard 180 Brickmould
Brickmould Shipping Option = Applied
Exterior Casing Color = Obsidian
Interior Casing = None
Unit 1, 3: Sidelite U-Factor = 0.21
Unit 1, 3: Sidelite Solar Heat Gain Coefficient = 0.06
Unit 1, 3: Energy Star Rated = Yes
Unit 2: Door U-Factor = 0.20
Unit 2: Door Solar Heat Gain Coefficient = 0.06
Unit 2: Energy Star Rated = Yes
Room Location = Without Transom
SKU = 1000045780
Vendor Name = REEB
Vendor Number = 60010502
Customer Service = 888-321-7332
Catalog Version Date = 3/24/2026
SKU Description = S/O REEB TTRU PF PAINT FG 28D
Mull Type = Continuous - Standard

End Line 300 Description

SIDING

Check box indicating that you are submitting an order sheet with renderings of the proposed siding.

Check box indicating that you are submitting photographs of the existing siding.

NEW SIDING MANUFACTURER:

James Hardie

MODEL NUMBER(S):

N/A

BUILDING SIDE(S) FOR PROPOSED SIDING:

4 sides

	EXISTING	PROPOSED
MATERIAL (e.g. wood, stucco, brick, non-wood shingle):		Hardie Board
SIDING PATTERN (e.g. clapboard, bevel etc):		Smooth / Shakes
WINDOW CASING DIMENSIONS:		1x6
DOOR CASING DIMENSIONS:		64 1/4 x 82 1/8
CORNER BOARD DIMENSIONS:		1x6
CORNICES DIMENSIONS:		1x8
FRIEZE BOARD DIMENSIONS:		1x8
SHUTTER DIMENSIONS:		12x5

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE EXISTING SIDING:

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE SIDING:

ADDITIONAL INFORMATION:



Long-lasting beauty by design.

Tristate Color and Product Availability



Hardie® Plank Mountain Sage
Hardie® Trim Arctic White

Finishing Touches

Accessories

Flat Tabs

Reduce nail holes and improve the aesthetic of trim applications around windows, doors and band boards.

Corner Tabs

Use corner tabs to eliminate face nail holes that would detract from the finished look of corner trim installations.

Hardie™ Weather Barrier

Moisture management starts with the wrap. Our weather barrier, flex flashing, seam tape and pro-flashing deliver the performance that you've come to expect from Hardie® products.

ColorPlus® Technology Accessories

Touch-up Kits

Specially formulated to match ColorPlus® Technology finishes, our Touch-up Kits offer resistance to aging, color change and chalking. Nail concealers and Edge sealers are included in the kits.

Color Matched Caulk

OSI® QUAD® MAX sealant offers a high performance sealant solution to match Statement Collection® product colors*.

*For matching Dream Collection® product colors, contact your local James Hardie representative.

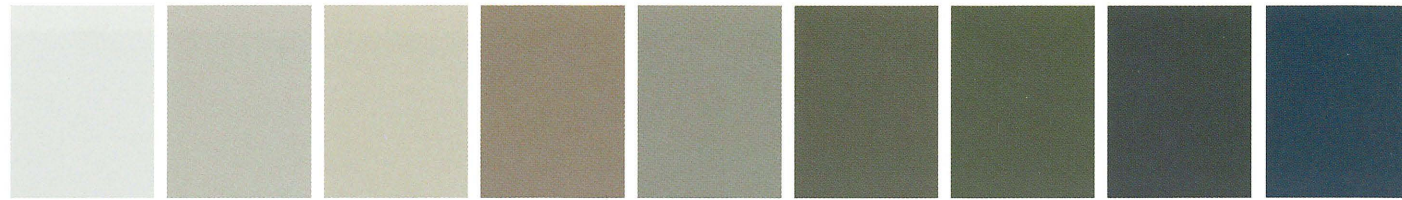


Get inspired at jameshardie.com

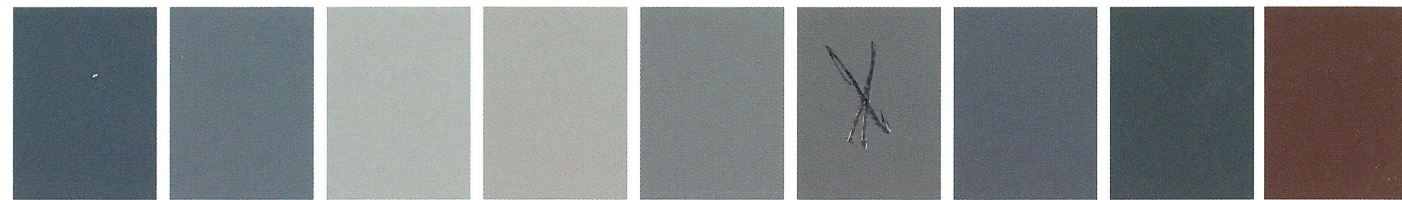
Statement Collection®

Locally stocked and designed for simplicity - making it easier than ever to get a beautiful, long-lasting home exterior.

Hardie® Plank, Hardie® Shingle, Hardie® Panel, Hardie® Trim Batten

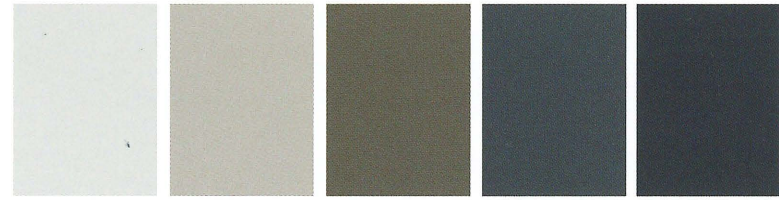


Arctic White Cobble Stone Navajo Beige Khaki Brown Monterey Taupe Timber Bark Mountain Sage Rich Espresso Deep Ocean



Evening Blue Boothbay Blue Light Mist Pearl Gray Gray Slate Aged Pewter Night Gray Iron Gray Countrylane Red

Hardie® Trim



Arctic White Cobble Stone Timber Bark Iron Gray Midnight Black



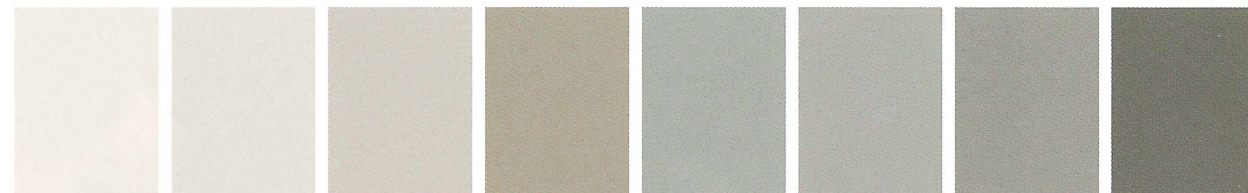
Scan to view Statement Collection® product availability & learn about other made-to-order options

MAGNOLIA HOME

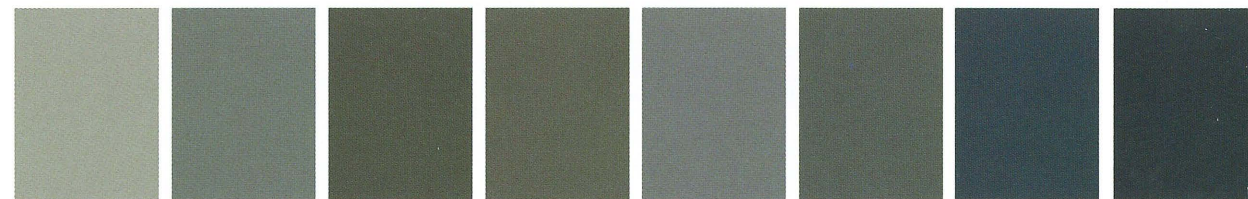


We've partnered with Magnolia Home to create an inspired collection of exteriors in colors, styles and textures curated by Joanna Gaines to transform your home into your favorite place to be.

Hardie® Plank
Hardie® Shingle
Hardie® Panel
Hardie® Trim
Hardie® Soffit



Birch Tree Weathered Cliffs Rustic Road Rugged Path It's About Thyme Stone Beach Stone Paver Warm Clay



Dried Eucalyptus Chiseled Green Wandering Green Mudflats Slate Steps Peppery Ash Last Embers Midnight Soot



Colors shown are as accurate as printing methods will permit. Scan to order a product sample for true color.



Beauty begins with a finish that lasts.

ColorPlus® Technology

ColorPlus® Technology finishes are fully cured on our boards in a controlled factory environment and arrive at your home ready for installation year-round. With prefinished color products, you'll have peace of mind, knowing you'll have a more consistent color and finish that doesn't depend on good weather.

With a variety of color options available to help bring your vision to life, ColorPlus® Technology finishes help keep your home looking beautiful longer.

Trusted Protection with Hardie® Fiber Cement



Fire
Fire-Resistant, non-combustible*



Durable
Resists cracking and swelling from moisture



Pests
Holds no appeal to pests



Water-Resistant
Resists damage from rain, ice and snow



Mother Nature
Stands up to harsh weather

*Hardie® siding complies with ASTM E136 as a noncombustible cladding. Fiber cement fire resistance does not extend to applied paints or coatings, which may be damaged or char when exposed to flames.

Unlike other brands, James Hardie doesn't prorate its substrate warranty.

Meaning we stand 100% behind Hardie® fiber cement siding, trim and soffit products for 30 years.



Year 10 Year 20 Year 30

Our warranty will be as strong 30 years from now as it is today.

Hardie® Plank

Thickness 5/16 in. | Length 12 ft. planks



Select Cedarmill®

Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in	12 in
Exposure	4 in	5 in	6 in	7 in	8 in	10.75 in
Statement Collection®		•		•		
Dream Collection®	•	•	•	•		
Magnolia Collection	•	•	•	•		
Prime	•	•	•	•	•	•



Smooth

Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in	12 in
Exposure	4 in	5 in	6 in	7 in	8 in	10.75 in
Statement Collection®		•		•		
Dream Collection®	•	•	•	•		
Magnolia Collection	•	•	•	•		
Prime	•	•	•	•	•	•



Beaded Select Cedarmill®

Width	8.25 in
Exposure	7 in
Statement Collection®	
Dream Collection®	•
Prime	

Hardie® Shingle

Thickness 1/4 in. | Length 48 in.



Straight Edge Panel

Height	14 in	15.25 in
Exposure	5 in	7 in
Statement Collection®	•	•
Dream Collection®		•
Magnolia Collection		•
Prime	•	•

Staggered Edge Panel

Height	15.25 in
Exposure	6 in
Dream Collection®	•
Statement Collection®	
Magnolia Collection	
Prime	•

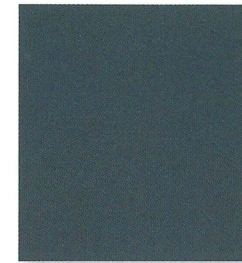
Hardie® Panel

Thickness 5/16 in.



Select Cedarmill®

Size	4 ft x 8 ft	4 ft x 10 ft
Statement Collection®		•
Dream Collection®	•	•
Magnolia Collection		•
Prime	•	•



Smooth

Size	4 ft x 8 ft	4 ft x 10 ft
Statement Collection®		•
Dream Collection®	•	•
Magnolia Collection		•
Prime	•	•



Stucco

Size	4 ft x 8 ft	4 ft x 10 ft
Statement Collection®		
Dream Collection®	•	•
Prime	•	•



Sierra 8

Size	4 ft x 8 ft	4 ft x 10 ft
Statement Collection®		
Prime	•	•

Hardie® Trim Batten

Thickness 3/4 in. | Length 12 ft. boards



	Smooth	Rustic Grain
Width	2.5 in	2.5 in
Statement Collection®	•	•
Dream Collection®	•	•
Magnolia Collection	•	•
Prime	•	•

Hardie® Soffit

Thickness 1/4 in.



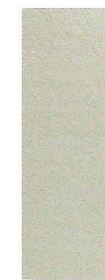
Vented Smooth

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
Statement Collection®			
Dream Collection®	•	•	•
Magnolia Collection		•	
Prime			



Vented Select Cedarmill®

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
Statement Collection®			
Dream Collection®	•	•	•
Magnolia Collection		•	
Prime			



Non-Vented Smooth

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
Statement Collection®				
Dream Collection®	•	•	•	
Magnolia Collection		•		
Prime	•	•	•	•

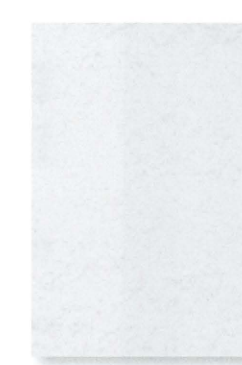


Non-Vented Select Cedarmill®

Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
Statement Collection®				
Dream Collection®	•	•	•	
Magnolia Collection		•		
Prime	•	•	•	•

5/4 Hardie® Trim

Thickness 1 in. | Length 12 ft. boards



5/4 Smooth

Width	3.5 in	4.5 in	5.5 in	7.25 in	9.25 in	11.25 in
Statement Collection®	•	•	•	•		•
Dream Collection®	•	•	•	•	•	•
Magnolia Collection	•		•	•		•
Prime						

4/4 Hardie® Trim

Thickness 3/4 in. | Length 12 ft. boards

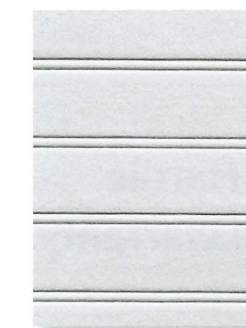


4/4 Smooth

Width	3.5 in	5.5 in	7.25 in	9.25 in	11.25 in
Statement Collection®	•	•	•		•
Dream Collection®	•	•	•	•	•
Magnolia Collection					
Prime					

Hardie® Soffit Beaded Porch Panel

Thickness 1/4 in.



Size	4 ft x 8 ft
Bead Size	2 in o.c.
Statement Collection®	
Dream Collection®	•
Magnolia Collection	
Prime	•

Bead edge lands on long edge of sheet to hide seams.

ROOFING

Check box indicating that you are submitting an order sheet with renderings of the proposed roofing.

Check box indicating that you are submitting photographs of the existing roofing.

	EXISTING	PROPOSED
ROOF STYLE (e.g. gable, hip, mansard, etc):		Gable
MATERIAL (e.g. asphalt shingle, slate, clay tile, etc):		Architectural.

PLEASE PROVIDE DETAILS ABOUT THE CONDITIONS OF THE EXISTING ROOFING:

PLEASE PROVIDE THE REASON FOR WANTING TO REPLACE THE ROOFING:

ADDITIONAL INFORMATION:

Pewterwood

SOLAR

WILL THE MATERIAL OF THE ROOF BE CHANGING AS PART OF THIS PROJECT?

YES (PLEASE PROVIDE MORE INFO ABOVE)
 NO

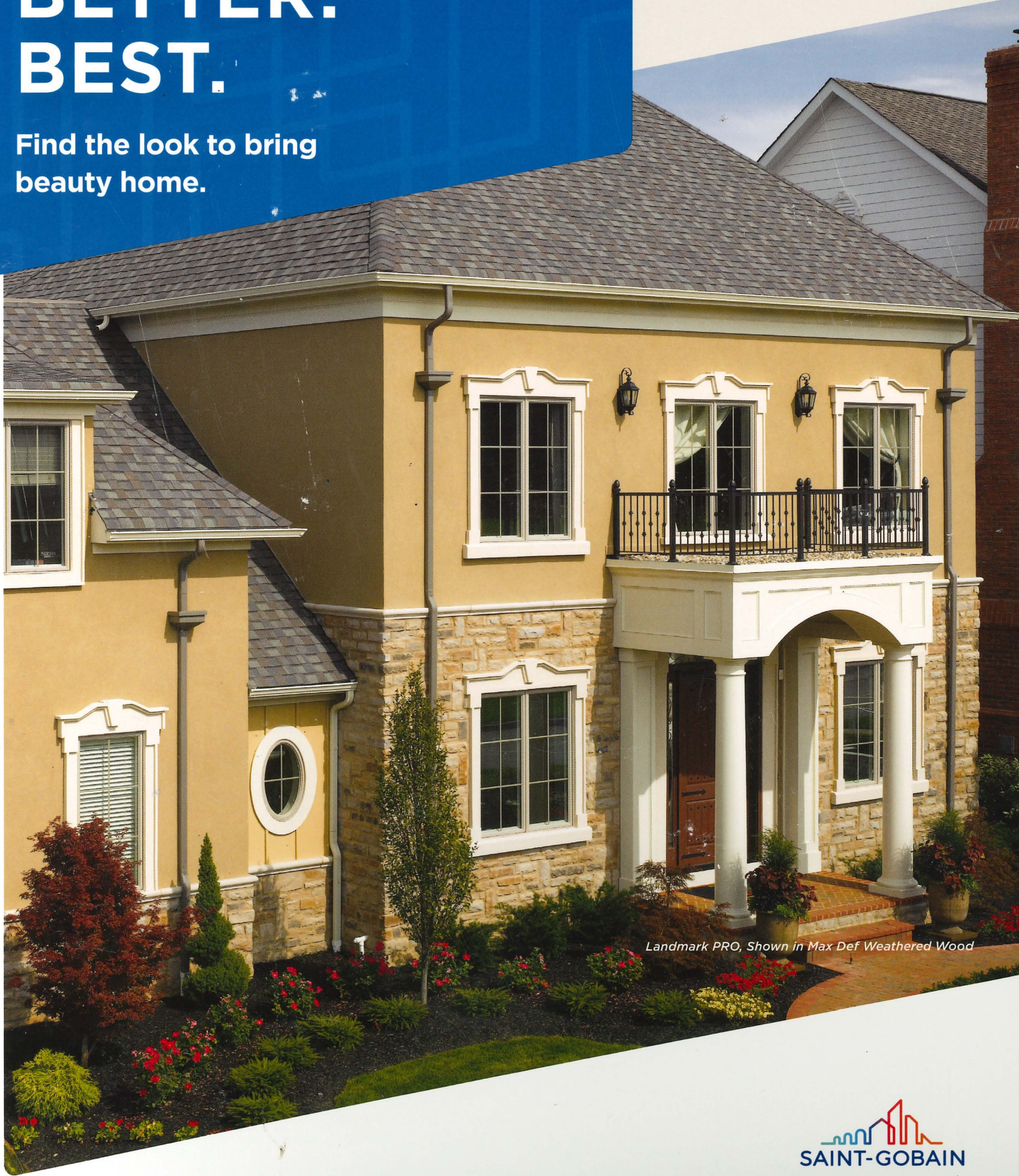
Check box indicating that you are submitting plans of the proposed solar project.

Check box indicating that you are submitting photographs of the existing roofing.

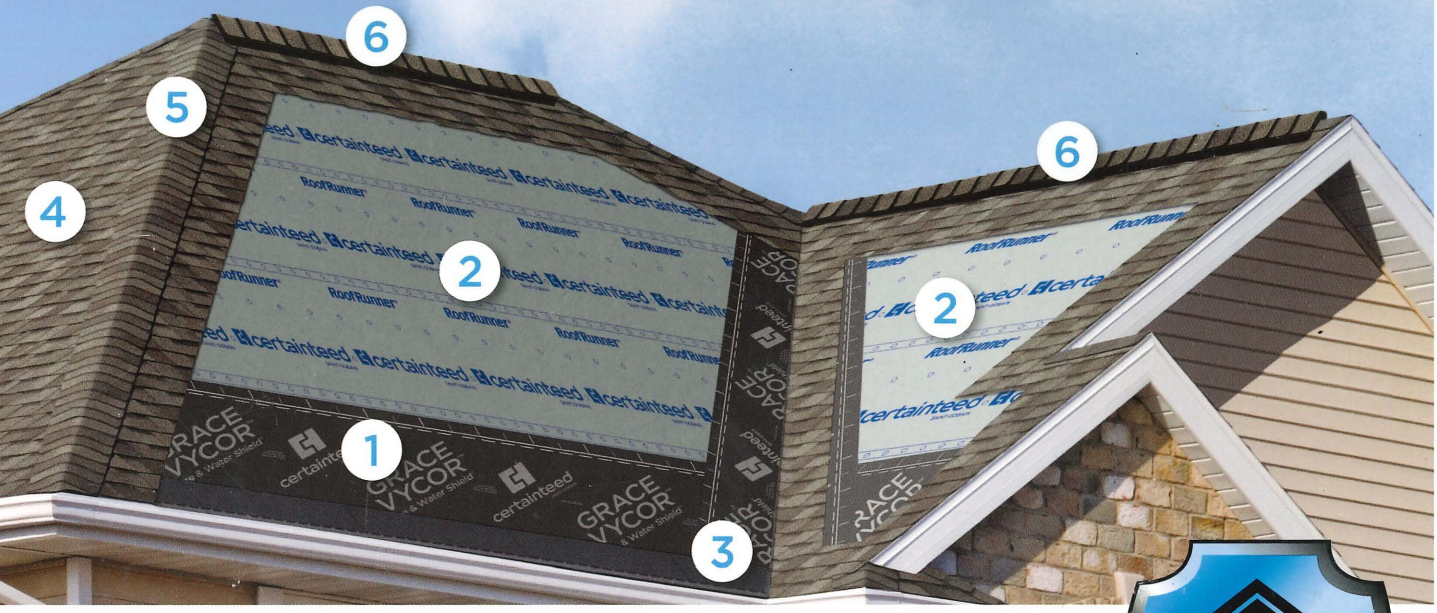
ROOF MATERIAL (e.g. asphalt shingle, slate, clay tile, etc):	N/A
NUMBER OF SOLAR POWERED PANELS:	" "
SOLAR MANUFACTURER:	" "
LOCATION OF SOLAR POWERED PANELS (e.g. north side of roof):	" "
LOCATION OF MAIN SERVICE PANEL & METER (e.g. rear of building):	" "
LOCATION OF OTHER ELECTRICAL COMPONENTS (e.g. rear of building):	" "
LOCATION OF CONDUIT (e.g. side of building, inside the house):	" "
PROPOSED COLOR OF CONDUIT (e.g. silver, same as house):	" "

**GOOD.
BETTER.
BEST.**

Find the look to bring beauty home.



Landmark PRO, Shown in Max Def Weathered Wood



Integrity Roof System[®]

A COMPLETE APPROACH TO LONG-LASTING BEAUTY AND PERFORMANCE

With as much care as you take in selecting the right contractor, choosing the right roof system is equally as important. A Certainteed Integrity Roof System combines key elements that help ensure you have a well-built roof for long-lasting performance.

1 WATERPROOFING UNDERLAYMENT
The first step in your defense against the elements. Self-adhering underlayment is installed at vulnerable areas of your roof to help prevent leaks from wind-driven rain and ice dams.

2 WATER-RESISTANT UNDERLAYMENT
Provides a protective layer over the roof decks and acts as a secondary barrier against leaks.

3 STARTER SHINGLES
Starter shingles are the first course of shingles that are installed and designed to work in tandem with the roof shingles above for optimal shingle sealing and performance.

4 SHINGLES
Choose from a variety of Good-Better-Best styles to complement any roof design and fit your budget.

5 VENTILATION
A roof that breathes is shown to perform better and last longer. Ridge vents, in combination with intake vents, allow air to flow on the underside of your roof deck, keeping the attic cooler in the summer and drier in the winter.

6 HIP & RIDGE CAPS
Available in numerous profiles, these accessories are used on the roof's hip and ridge lines for a distinctive finishing touch to your new roof.

Because of their size, the swatches on this sample cannot accurately depict the color, clarity and variation of our actual blends. Before you buy, ask to see a full shingle. All colors may not be available. Consult your Certainteed dealer for color availability.

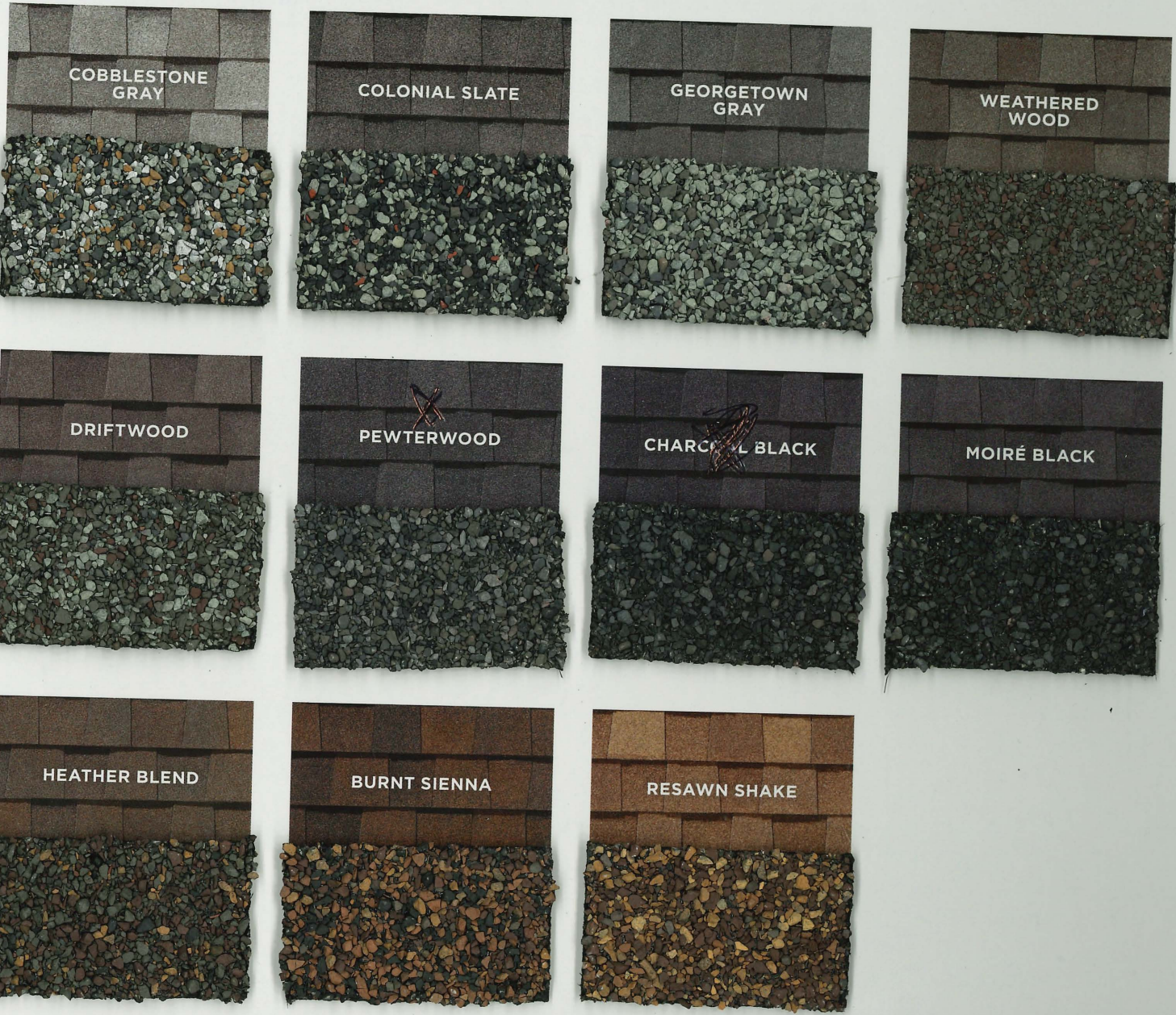


Products available in areas shown

Landmark®



GOOD



Engineered for Excellence



NailTrak®

Fast, Accurate, Visible

- Nailing area three times wider than that of a typical laminate shingle for improved installation, speed, and accuracy
- Bright lines provide a clear nailing area in any environment and lighting
- Includes a dedicated nailing area for extreme steep-slope applications
- Trusted performance for over 15 years

QuadraBond™

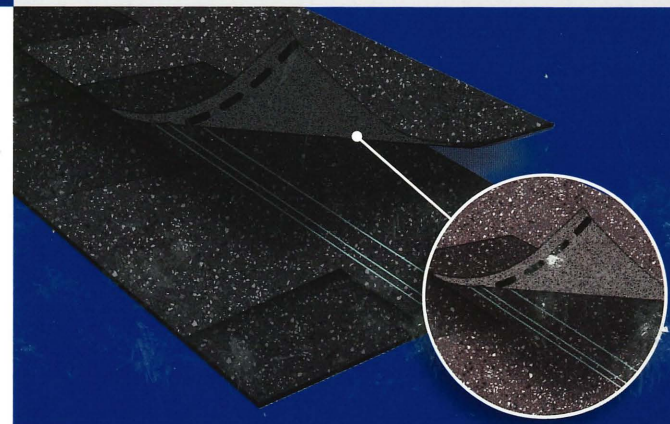
Advanced Layering

CertainTeed's specially formulated adhesive adheres shingle layers at four points, more than any other manufacturer. This superior bond provides greater protection against shingle de-lamination to maximize performance over the life of the shingle in any climate.



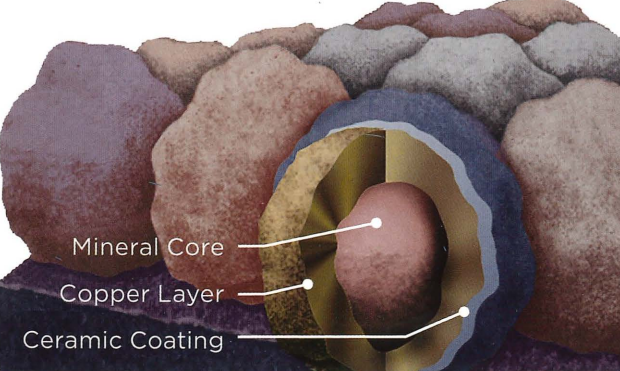
StreakFighter®

- Reliable, long-term protection from algae formation
- Helps maintain your roof's natural beauty with innovative algae-fighting technology
- Industry-leading algae-resistance warranty
- Uses natural anti-algae properties of copper-containing surface granules
- Standard on all CertainTeed asphalt shingles sold in areas where algae growth is prevalent



CertaSeal®

- High-grade adhesive seals shingles together on the roof to guard your home against the elements
- Designed to be fast activating after installation, providing effective protection from wind and weather
- Pliable adhesive allows for structural movement from temperature and weather changes without compromising seal



The Trusted Classic
Owning a Landmark roof brings peace of mind. Landmark's dual-layered construction and exceptional durability provide long-lasting protection for your home.



Scan code for more information

<p>NailTrak® WIDER NAILING AREA</p>	<p>StreakFighter® 25-YEAR ALGAE RESISTANCE</p>
<p>CertaSeal® UPLIFT PROTECTION</p>	<p>QuadraBond™ ADVANCED LAYERING</p>
<p> 15-YEAR 110 MPH WIND WARRANTY UPGRADE TO 130 MPH AVAILABLE</p>	<p> 10-YEAR SURESTART PROTECTION INCLUDES MATERIALS AND LABOR COSTS</p>
<p> LIFETIME LIMITED WARRANTY</p>	<p> UL 2218 CLASS 3 IMPACT RATED</p>

StreakFighter®

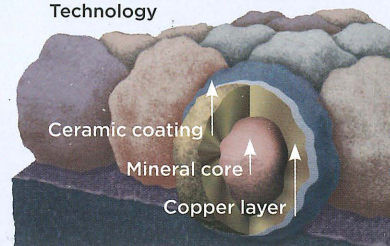
Algae Resistance

The ultimate in stain protection.

Those streaks you see on other roofs in your neighborhood? That's algae, and it's a common eyesore on roofing throughout North America. CertainTeed's **StreakFighter** technology uses the power of science to repel algae before it can take hold and spread.

StreakFighter's granular blend includes naturally algae-resistant copper, helping your roof maintain its curb appeal and look beautiful for years to come.

Granule with **StreakFighter** Technology



Ceramic coating
Mineral core
Copper layer

Diagram for illustrative purposes only.

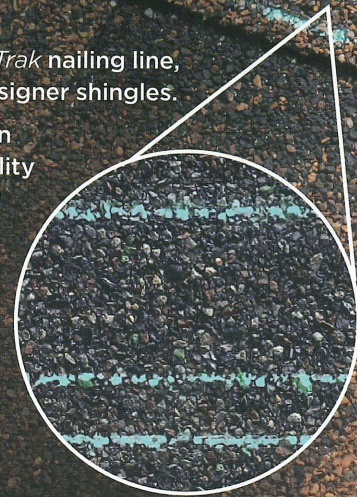
NailTrak®

Fast, Accurate, Visible

The new and improved **NailTrak** nailing line, a feature on CertainTeed designer shingles.

Now **NailTrak** is brighter than ever before, with high-visibility lines that stand out whether it's daybreak or dusk.

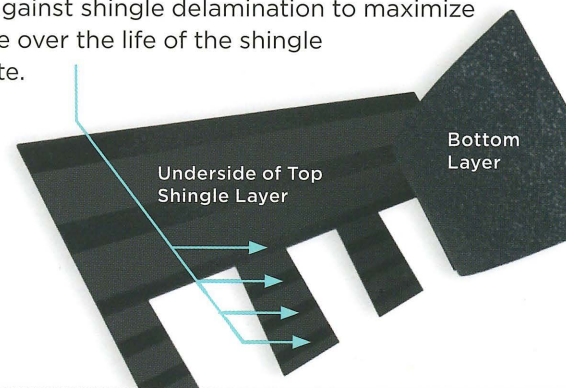
NailTrak removes the guesswork with three separately defined lines, creating a large area to guide your nailing and a smaller area for extreme steep-slope applications.



QuadraBond®

Advanced Layering

CertainTeed's specially formulated adhesive adheres shingle layers at four points, more than any other manufacturer. This superior bond provides greater protection against shingle delamination to maximize performance over the life of the shingle in any climate.



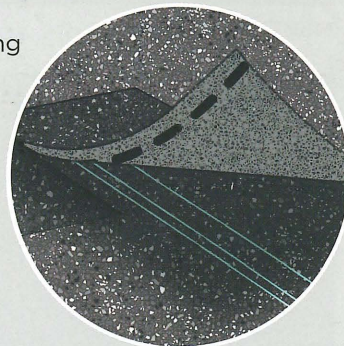
Underside of Top Shingle Layer

Bottom Layer

CertaSeal®

Uplift Protection

CertaSeal® is a fast-activating modified asphalt sealant with a 20-year record of proven performance. Designed to seal shingles together upon installation, it protects roofs from wind uplift and shingle blow-off so that homes stay safe and dry. It's also engineered to remain flexible after installation, unlike harder sealants that can dry out and crack over time.



Read our blog

Landmark® PRO available in areas shown



Landmark® PRO

The Expert's Choice

certainteed
SAINT-GOBAIN



Landmark PRO, shown in Max Def Driftwood



Integrity Roof System™

Insist upon the Integrity Roof System™ and get the ultimate in roof performance.

learn more at:

certainteed.com/roofing



CertainTeed

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20 Moores Road, Malvern, PA 19355 Professional: 800-233-8990 Consumer: 800-782-8777 certainteed.com

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Introducing More Value

Landmark® PRO is designed specifically for the professional roofing contractor that takes pride in providing more to their customer.

Landmark PRO improves upon the reliable CertainTeed Landmark shingle.

We started by adding more weathering asphalt to the industry's toughest fiberglass mat to provide more protection. Then we incorporated our Maximum Definition color blend technology to give the product more vibrancy on the roof. Included is the proven performance of our **NailTrak®** feature, enabling faster installation.

Landmark PRO offers the industry's strongest warranty. Protecting your reputation and safeguarding homeowners from manufacturing and aesthetic defects.

LANDMARK PRO STANDARD WARRANTY

- Lifetime Limited Warranty
- 10-years of SureStart™ protection
- 15-year 110 MPH wind warranty (Upgrade to 130 MPH available. CertainTeed starter and CertainTeed hip and ridge required.)
- 30-year **StreakFighter®** algae resistance warranty

Add it all up and what you get is the opportunity to offer a lot of additional value for the money... and today that means more than ever.

Landmark® PRO



Landmark PRO specifications:

- Premium Max Def color palette
- **NailTrak®** for faster installation
- Lifetime limited warranty
- 30-year **StreakFighter®** algae resistance
- 10-year SureStart protection includes:
 - Materials, labor, tear off and disposal cost
- 15-year 110 MPH wind warranty with upgrade to 130 MPH available
- **UL 2218 Class 3 Impact Rated**



Landmark®



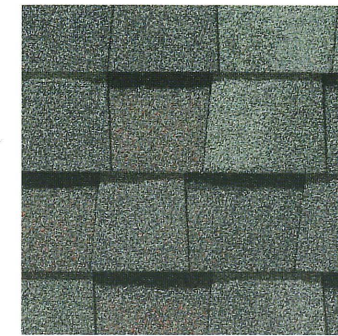
Landmark specifications:

- Traditional color palette
- **NailTrak®** for faster installation
- Lifetime limited warranty
- 25-year **StreakFighter®** algae resistance
- 10-year SureStart protection includes:
 - Materials and labor costs
- 15-year 110 MPH wind warranty with upgrade to 130 MPH available

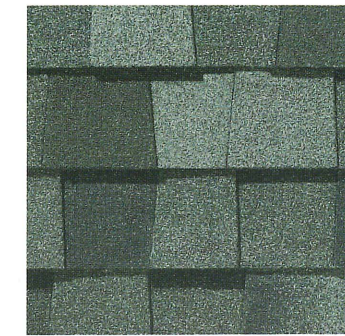
LANDMARK® PRO COLOR PALETTE



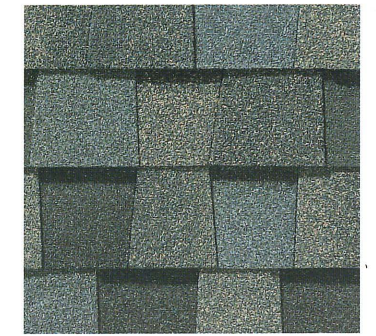
Max Def Cobblestone Gray



Max Def Colonial Slate



Max Def Georgetown Gray



Max Def Weathered Wood



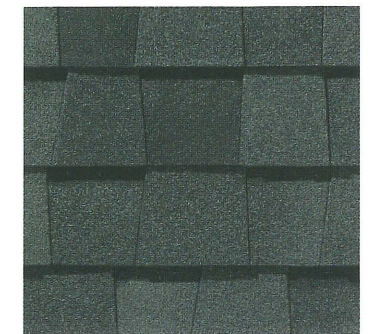
Max Def Driftwood



Max Def Pewterwood



Max Def Charcoal Black



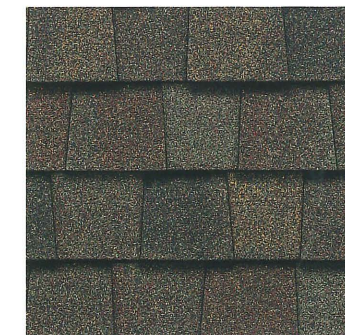
Max Def Moiré Black



Max Def Espresso



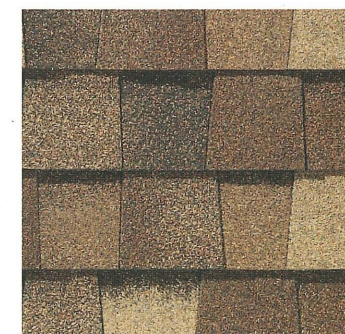
Max Def Heather Blend



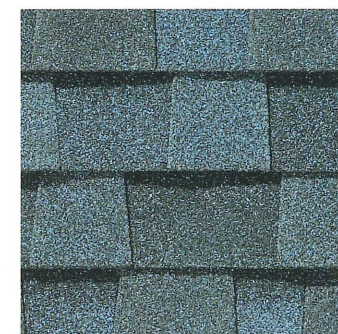
Max Def Shenandoah



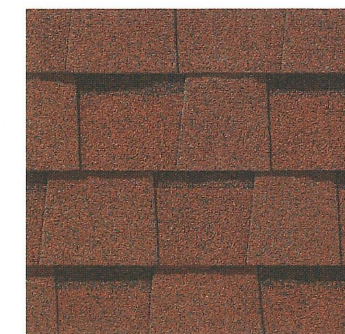
Max Def Burnt Sienna



Max Def Resawn Shake



Max Def Coastal Blue



Max Def Red Oak



Max Def Evergreen

Max Def Colors

Look deeper. With Max Def, a new dimension is added to shingles with a richer mixture of surface granules. You get a brighter, more vibrant, more dramatic appearance and depth of color. And the natural beauty of your roof shines through.

NOTE: Due to limitations of printing reproduction, CertainTeed can not guarantee the identical match of the actual product color to the graphic representations throughout this publication.



Scan code for more information



Customer Quote

4/06/2026, 10:13 AM EDT

Sales Person MET3322

Store Phone # (413) 731-9700

Store # 2662

Location 179 DAGGET DRIVE, WEST SPRINGFIELD, MA 01089

Customer Information

DJUAN BARKLOW
(413) 387-7151
BLOSTYLES@YAHOO.COM

OTHER
90 ARNOLD AVE
SPRINGFIELD, MA 01119



Quote # H2662-443301

PO / Job Name quote

Will Call

Pickup Date
Monday, April 6
12:15 PM EDT

Item Description	Model #	SKU #	Unit Price	Qty	Subtotal
GAF Pro-Start 120 lin. ft. Eave and Rake Roofing Starter Strip Shingles	N/A	919062	\$54.97 / bundle \$48.37 / bundle	3	\$145.11
◆ DISCOUNT \$6.60 OFF EACH					
GAF Cobra Exhaust Vent 10.5 in. x 20 ft. Mesh Roll Ridge Vent Plastic - (Nail Gun Version)	N/A	944173	\$65.97 / roll	3	\$197.91
Amerimax Home Products 5 in. x 7 in. Mill Finish Aluminum Step Flashing	N/A	569215	\$3.68 / each	10	\$36.80
Amerimax Home Products F8 - 6 in. x 1 in. x 10 ft. White Premium Aluminum Drip Edge Flashing Open-Face, Hemmed	N/A	1012684422	\$14.38 / each	33	\$474.54
GAF StormGuard 200 sq. ft. Synthetic Patterned-Surface Peel and Stick Roof Leak Barrier Roll	N/A	304830	\$120.00 / roll \$118.68 / roll	8	\$949.44
◆ DISCOUNT \$10.32 OFF EACH					
GAF FeltBuster 1000 sq. ft. Synthetic Roofing Underlayment Roll	N/A	1000043180	\$107.00 / roll	3	\$321.00
GAF Timberline Natural Shadow Charcoal Algae Resistant Architectural Shingles (33.33 sq. ft. per Bundle)	N/A	775276	\$44.47 / bundle \$39.13 / bundle	71	\$2,778.23
◆ DISCOUNT \$5.34 OFF EACH					



Customer Quote

4/06/2026, 10:13 AM EDT

Sales Person MET3322

Store Phone # (413) 731-9700

Store # 2662

Location 179 DAGGET DRIVE, WEST SPRINGFIELD, MA 01089

Prices Valid Through: 04/13/2026
at The Home Depot #2662

Subtotal	\$5,384.53
Discounts	-\$481.50
Sales Tax	\$306.44
Quote Total	\$5,209.47

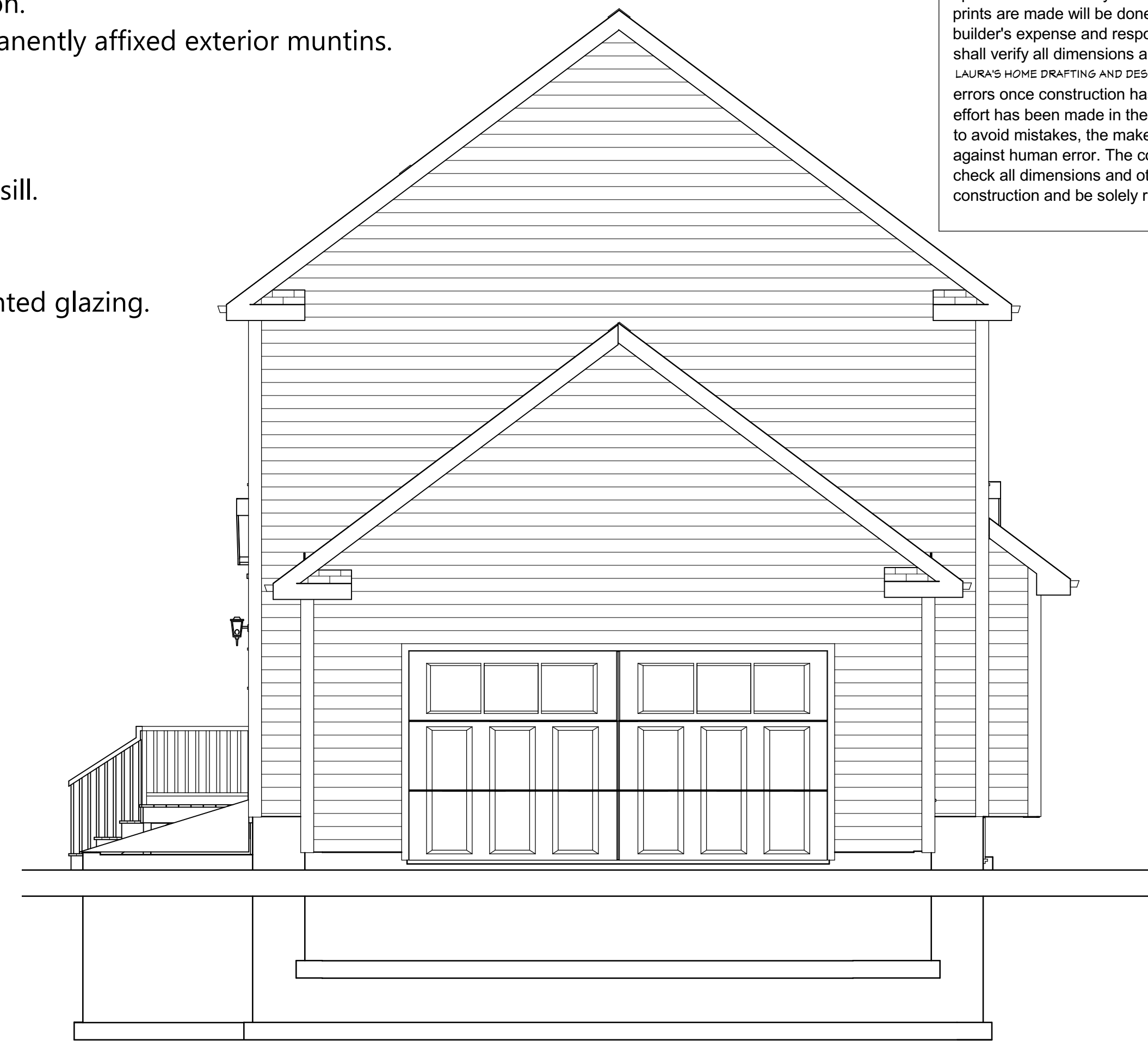
To the best of my knowledge these plans are drawn to comply with owner's and/ or builder's specifications and any changes made on them after prints are made will be done at the owner's and / or builder's expense and responsibility. The contractor shall verify all dimensions and enclosed drawing. LAURA'S HOME DRAFTING AND DESIGN is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible thereafter.

Window Requirements

- Double-hung 6-over-1 configuration.
- Simulated divided lights with permanently affixed exterior muntins.
- Spacer bars between panes.
- Grids on windows on the exterior.
- No resizing of window openings.
- Lower sash must sit directly on the sill.
- Paintable fiberglass.
- Matte black factory finish.
- Double-pane glass, no reflective/tinted glazing.



LEFT ELEVATION 1/4"=1'0"



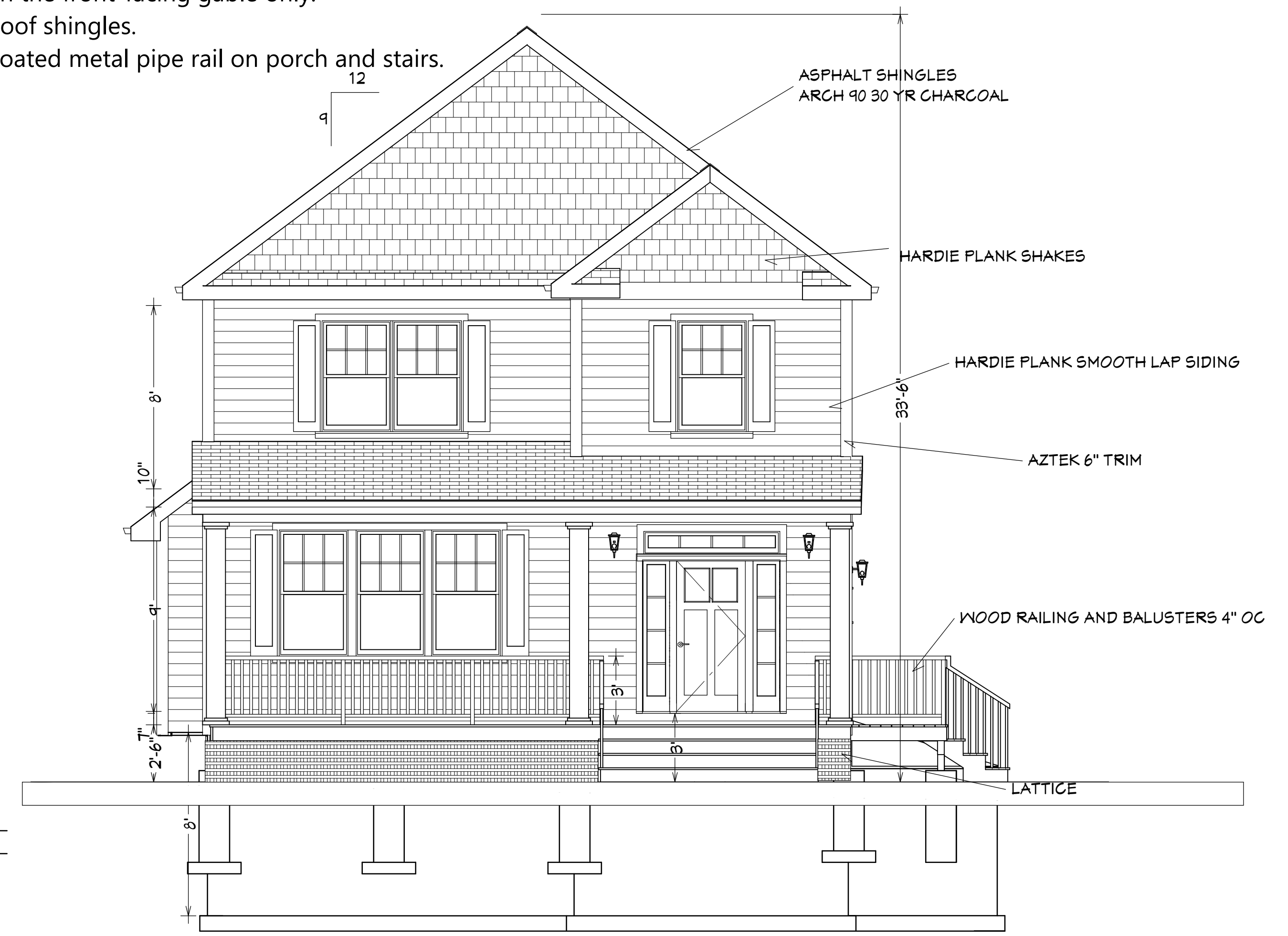
REAR ELEVATION 1/4"=1'0"

Exterior Materials

- Hardie Board smooth lap siding.
- Hardie Board shingles in the front-facing gable only.
- Charcoal architectural roof shingles.
- 1.5"-2" black powder-coated metal pipe rail on porch and stairs.



RIGHT ELEVATION 1/4"=1'0"



FRONT ELEVATION 1/4"=1'0"

REVISION TABLE	NUMBER	DATE	REVISOR	DESCRIPTION

DRAWING PREPARED FOR
DJUAN BARKLOW
WESTMINISTER ST
SPRINGFIELD MA

ELEVATIONS

DRAWINGS PROVIDED BY
 LAURA'S HOME DRAFTING AND DESIGN
 220 TAYLOR ST, GRANBY, MA 01033 413-467-2899
 BUILDING CODES REFERENCED:
 TENTH EDITION CMR100
 2021 INTERNATIONAL RESIDENTIAL CODE

DATE:

4/12/2026

SCALE:

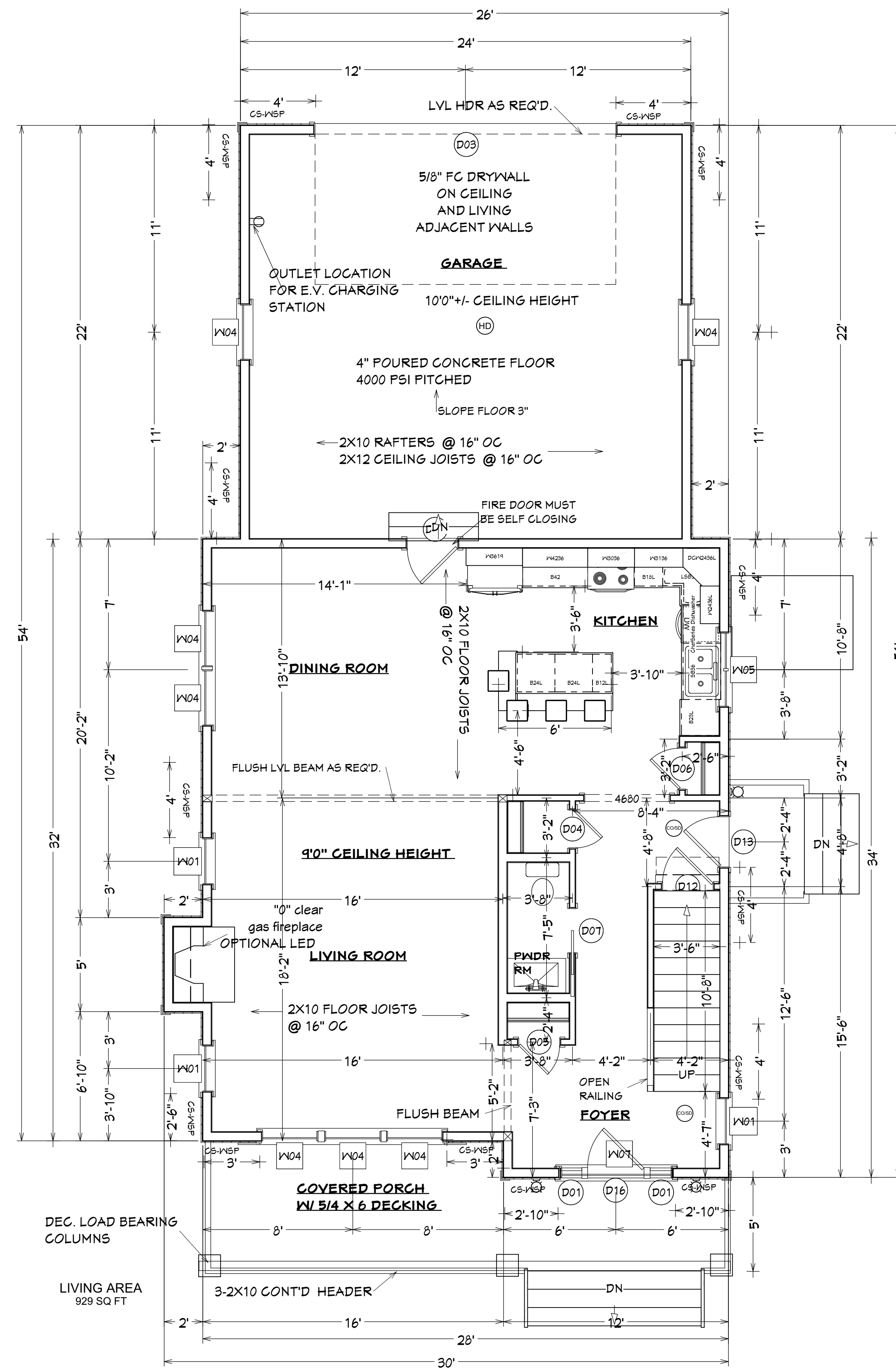
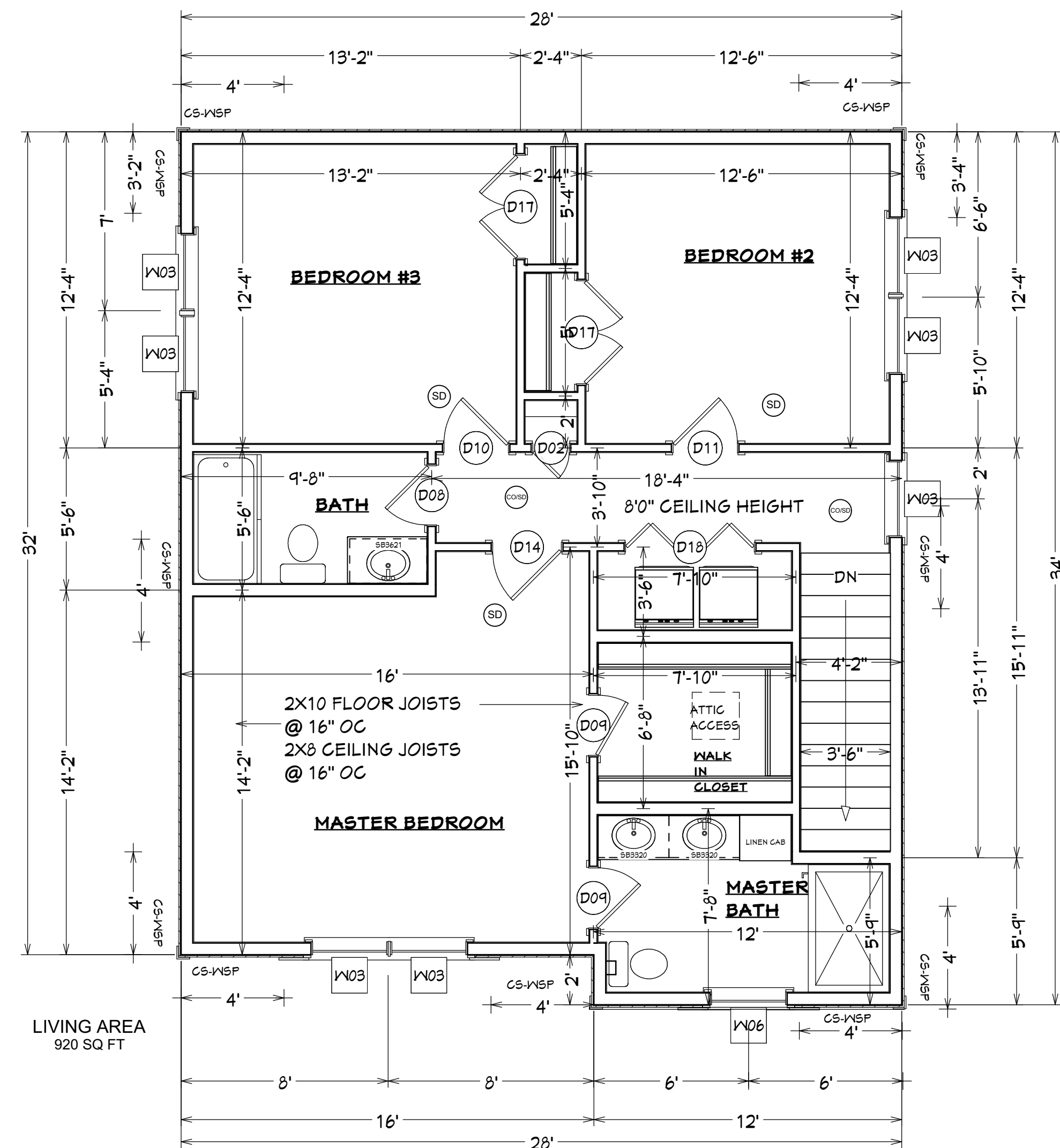
1/4"=1'0"

SHEET:

P-1

WINDOW SCHEDULE										
NUMBER	LABEL	QTY	FLOOR	SIZE	WIDTH	HEIGHT	R/O	EGRESS	DESCRIPTION	HEADER
W01	2626AW	3	1	2626AW	30"	30"	32"X32"		SINGLE AWNING	2X10X35" (2)
W02	2816LS	3	0	2816LS	32"	18"	34"X20"		LEFT SLIDING	2X10X34" (2)
W03	30410DH	7	2	30410DH	36"	58"	38"X60"		DOUBLE HUNG	2X10X41" (2)
W04	3056DH	7	1	3056DH	36"	66"	38"X68"		DOUBLE HUNG	2X10X41" (2)
W05	4040DC	1	1	4040DC	48"	48"	50"X50"		DOUBLE CASEMENT-LHL/RHR	2X10X53" (2)
W06	30410DH TEMP GLASS	1	2	30410DH	36"	58"	38"X60"		DOUBLE HUNG	2X10X41" (2)
W07	70 X 12 TRANSOM	1	1	51110FX	71 1/4"	12"	73 1/4"X14"		FIXED GLASS	2X10X76 1/4" (2)

DOOR SCHEDULE										
NUMBER	LABEL	QTY	FLOOR	SIZE	WIDTH	HEIGHT	R/O	DESCRIPTION	HEADER	THICKNESS
D01	1268	2	1	1268 EX	14"	80"	16"X83"	EXT. FIXED-GLASS PANEL	2X10X19" (2)	1 3/4"
D02	1568	1	2	1568 R IN	16 15/16"	80"	18 15/16"X82 1/2"	HINGED-DOOR P04	2X10X21 15/16" (2)	1 3/8"
D03	16080	1	1	16080	192"	96"	194"X99"	GARAGE-GARAGE DOOR CHD06	2X13X200" (2)	1 3/4"
D04	2068	1	1	2068 L IN	24"	80"	26"X82 1/2"	HINGED-DOOR P04	2X10X29" (2)	1 3/8"
D05	2268	1	1	2268 R IN	26"	80"	28"X82 1/2"	HINGED-DOOR P04	2X10X31" (2)	1 3/8"
D06	2268	1	1	2268 L IN	26"	80"	28"X82 1/2"	HINGED-DOOR P04	2X10X31" (2)	1 3/8"
D07	2468	1	1	2468 L	28"	80"	28"X82 1/2"	HINGED-DOOR P04	2X10X31" (2)	1 3/8"
D08	2468	1	2	2468 R IN	27 5/8"	80"	29 5/8"X82 1/2"	POCKET-DOOR P04	2X10X60 1/4" (2)	1 3/8"
D09	2468	2	2	2468 R IN	28"	80"	30"X82 1/2"	HINGED-DOOR P04	2X10X33" (2)	1 3/8"
D10	2668	1	2	2668 R IN	30"	80"	32"X82 1/2"	HINGED-DOOR P04	2X10X35" (2)	1 3/8"
D11	2668	1	2	2668 L IN	30"	80"	32"X82 1/2"	HINGED-DOOR P04	2X10X35" (2)	1 3/8"
D12	2868	1	1	2868 R IN	32 3/16"	80"	34 3/16"X82 1/2"	HINGED-DOOR P04	2X10X37 3/16" (2)	1 3/8"
D13	2868	1	1	2868 L EX	32"	80"	34"X83"	EXT. HINGED-DOOR E06	2X10X37" (2)	1 3/4"
D14	2868	1	2	2868 L IN	32"	80"	34"X82 1/2"	HINGED-DOOR P04	2X10X37" (2)	1 3/8"
D15	3068	1	0	3068 R IN	36"	80"	38"X82 1/2"	HINGED-DOOR P04	2X10X41" (2)	1 3/8"
D16	3068	1	1	3068 R EX	36"	80"	38"X83"	EXT. HINGED-DOOR E20	2X10X41" (2)	1 3/4"
D17	4068	2	2	4068 L/R IN	48"	80"	50"X82 1/2"	DOUBLE HINGED-DOOR P04	2X10X53" (2)	1 3/8"
D18	5068	1	2	5068 L/R	60"	80"	62"X82 1/2"	4 DR. BIFOLD-SLAB	2X10X65" (2)	1 3/8"
D19	3068 FIRE DR	1	1	2868 L EX	32"	80"	34"X83"	EXT. HINGED-DOOR E21	2X10X37" (2)	1 3/4"



REVISION TABLE	
NUMBER	DESCRIPTION

DRAWING PREPARED FOR
DJUAN BARKLOW
WESTMINISTER ST
SPRINGFIELD MA

FIRST FLOOR PLAN
SECOND FLOOR PLAN
WIN AND DR SCH

DRAWINGS PROVIDED BY
 LAURA'S HOME DRAFTING AND DESIGN
 220 TAYLOR ST, GRANBY, MA 01033 413-467-2899
 BUILDING CODES REFERENCED:
 TENTH EDITION CMR100
 2021 INTERNATIONAL RESIDENTIAL CODE

DATE:

4/12/2026

SCALE:

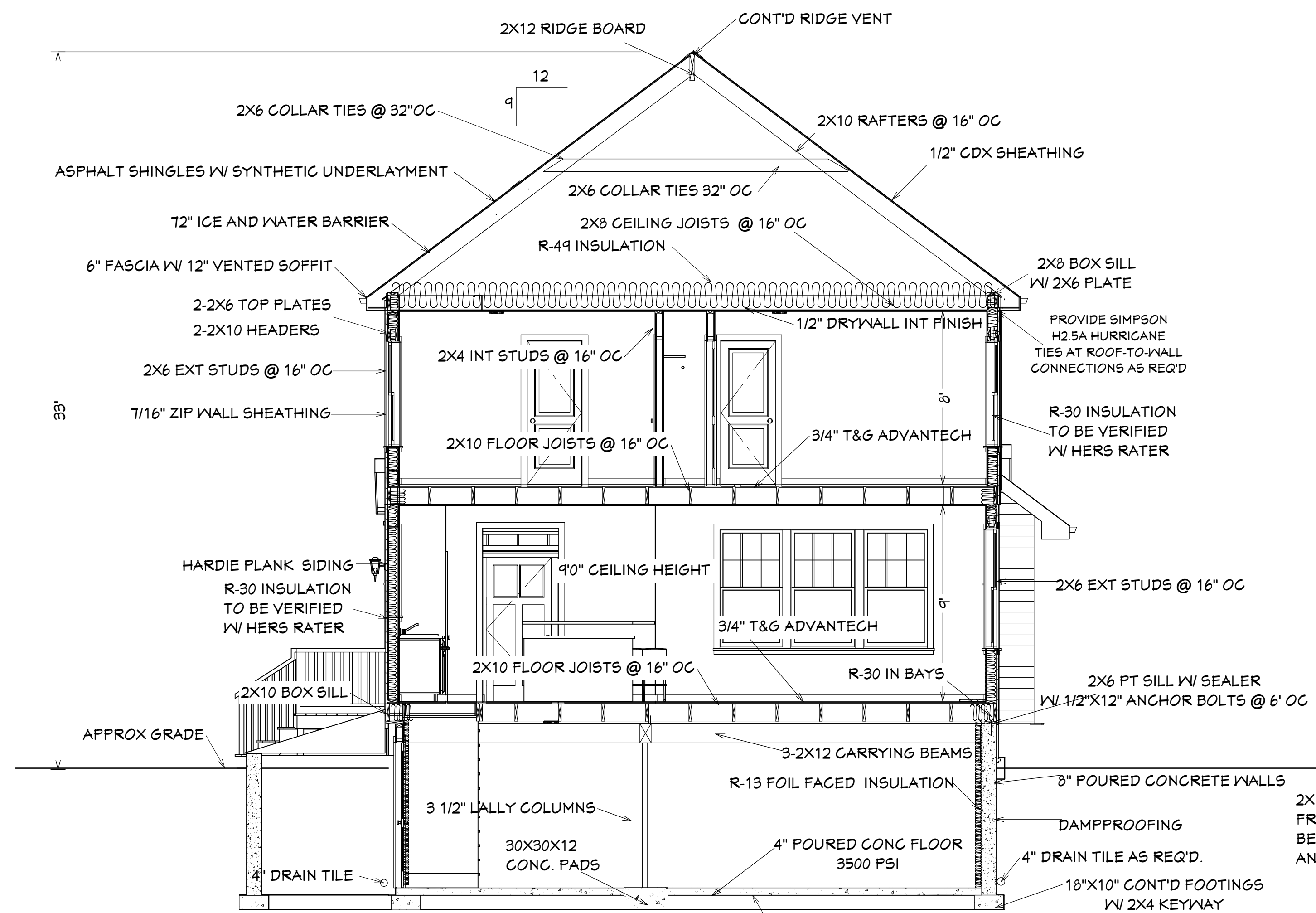
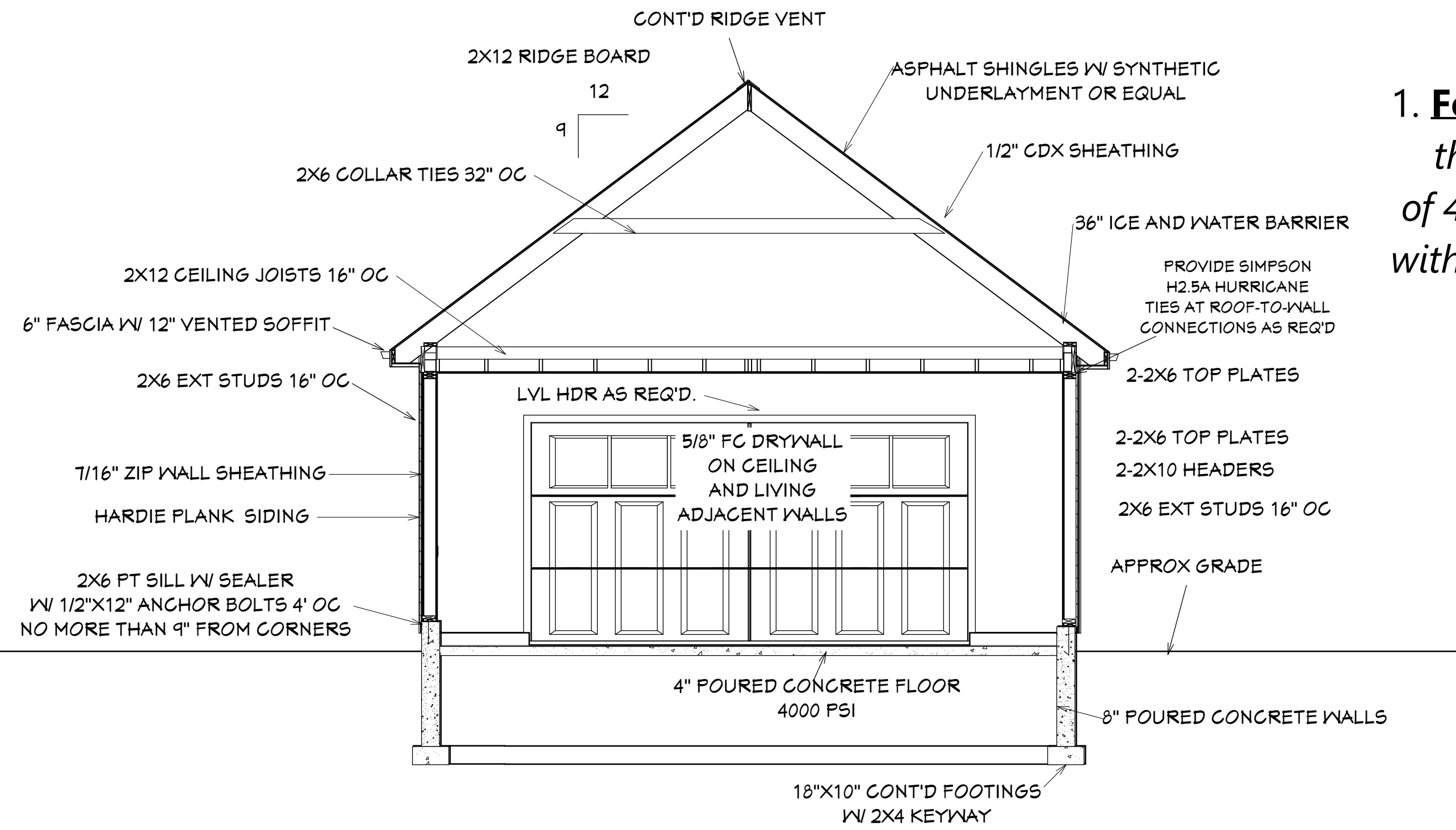
1/4"=1'0"

SHEET:

P-2

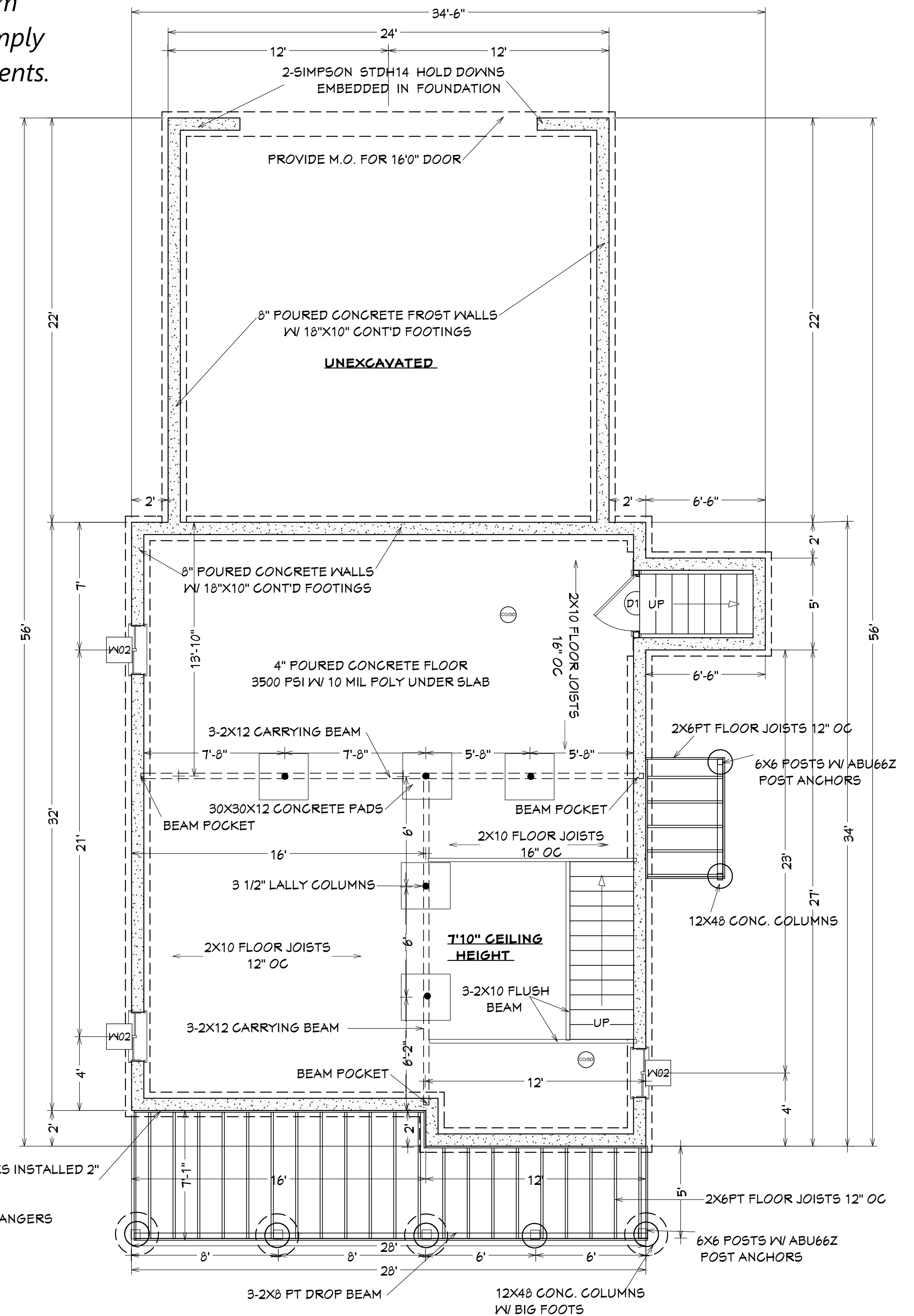
1. Foundation Detail

that all footings will extend a minimum of 48 inches below finished grade to comply with Massachusetts frost depth requirements.



NOTE : Mechanical Equipment

- No equipment on the front facade.
- HVAC condensers located rear or minimally visible side elevation.
- Utility meters on side/rear.



REVISION TABLE	NUMBER	DATE	REVISOR	DESCRIPTION

DRAWING PREPARED FOR
DJUAN BARKLOW
WESTMINSTER ST
SPRINGFIELD MA

FOUNDATION PLAN CROSS SECTIONS

DRAWINGS PROVIDED BY
 LAURA'S HOME DRAFTING AND DESIGN
 220 TAYLOR ST, GRANBY, MA 01033 413-467-2899
 BUILDING CODES REFERENCED:
 TENTH EDITION CMR780
 2021 INTERNATIONAL RESIDENTIAL CODE

DATE:

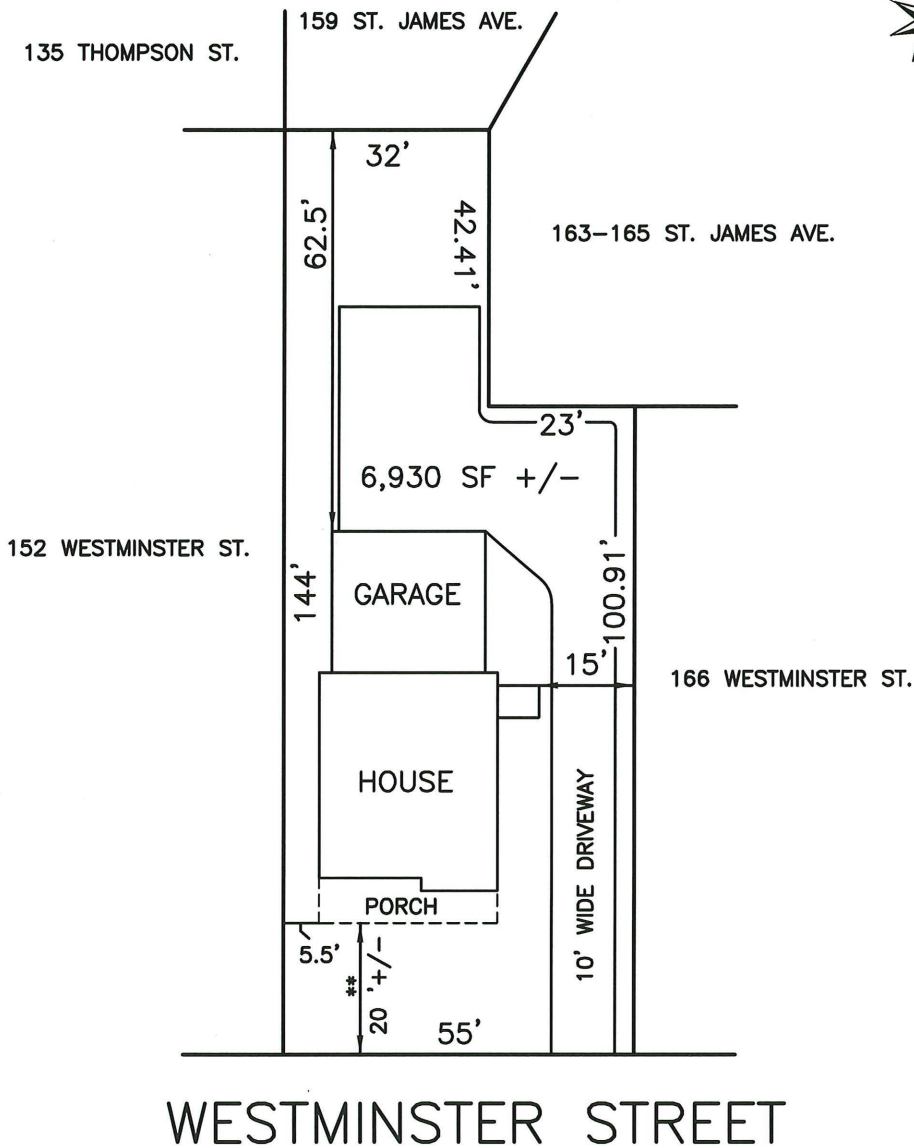
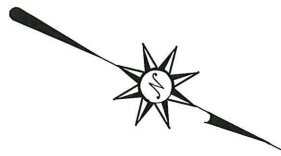
4/12/2026

SCALE:

1/4"=1'0"

SHEET:

P-3

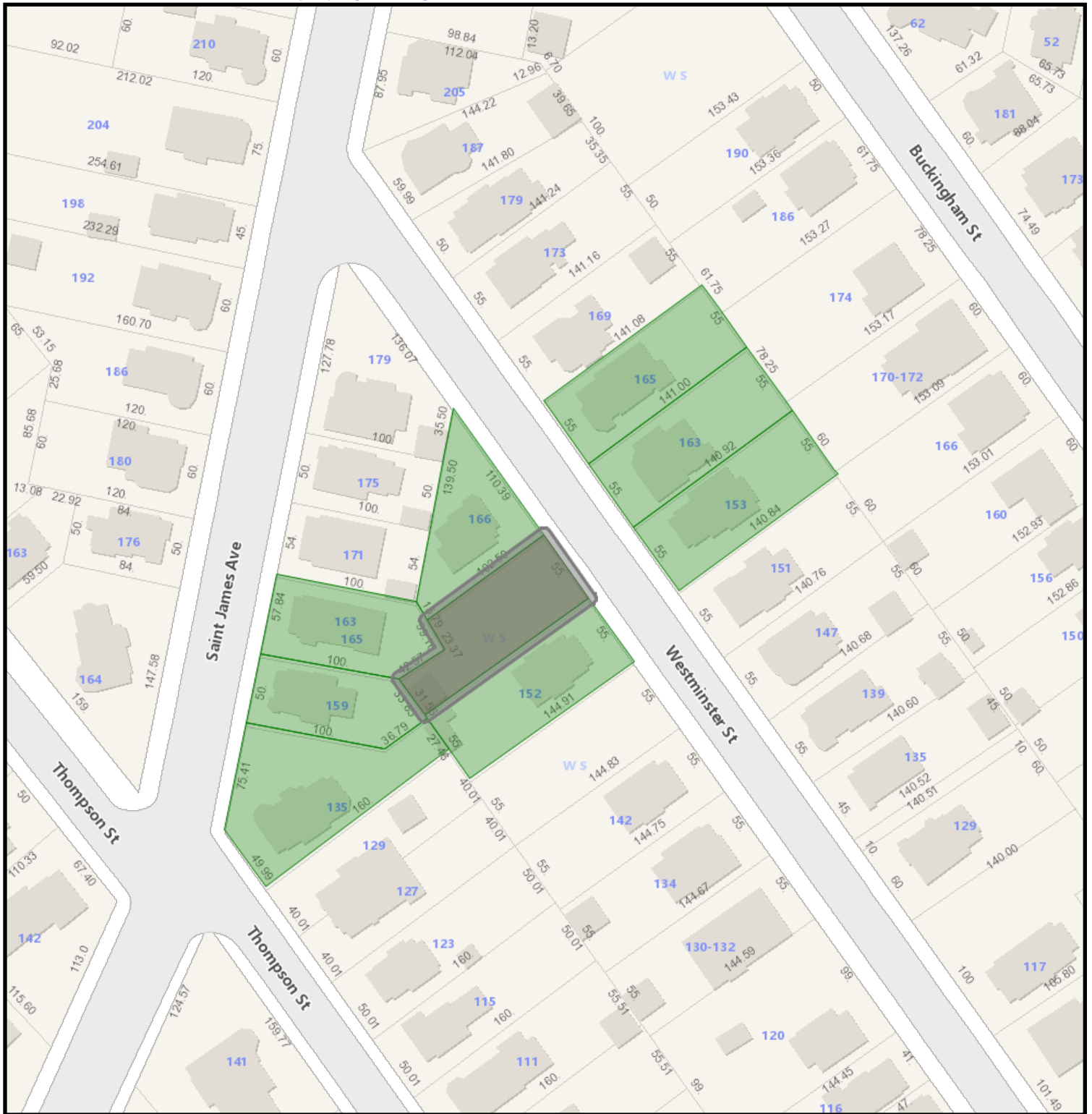


4-9-26

**NOTE: FRONT SETBACK TO MATCH ADJACENT HOUSES

ZONE: RES A
PID #122010032

OWNER: D&M REALTY AND INVESTMENTS LLC	PROPERTY LOCATION:
	WESTMINSTER STREET
HAMPDEN COUNTY REGISTRY OF DEEDS	SPRINGFIELD, MA
	DATE: APRIL 9, 2026
	SCALE: 1"=30'
DEED BOOK: 26156 PAGE: 291	PAUL S. SMITH LAND SURVEYING
	319 SHAKER ROAD EAST LONGMEADOW, MA
	(413) 525-4700

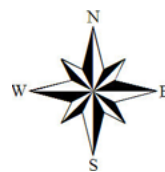


WS Westminister Street GIS

4/21/2026 3:44:19 PM

Scale: 1"=100'

Scale is approximate



GIS information is provided on these Web Pages as a public resource for general information purposes only. It is used to locate, identify and inventory parcels of land in the City of Springfield for general purposes only and is NOT to be construed or used as a "legal description." Map and parcel information is believed to be accurate but accuracy is not guaranteed. No portion of the information should be considered to be, or used as, a legal document. The information is provided subject to the express condition that the user knowingly waives any and all claims for damages against the City of Springfield that may arise from the use of this data. Information provided on these Web Pages should be verified with the appropriate City department, and reviewed and approved by an attorney or other qualified professional prior to its use for any purpose with potential legal consequences.

122010031
152 WESTMINSTER STREET
23 INGERSOLL GROVE
SPRINGFIELD, MA 01109

111700386
AVILA CHRISTIAN G
165 ST JAMES AVE
SPRINGFIELD, MA 01109

122010044
CRUZ ANGEL
163 WESTMINSTER ST
SPRINGFIELD, MA 01109

115250055
CYNTHIA DIANE POTTER &
135 THOMPSON ST
SPRINGFIELD, MA 01109

122010032
DB INVESTMENTS AND
20 CORTLAND ST
SPRINGFIELD, MA 01109

122010045
JEAN-EBIAN QUETTY C
153 WESTMINSTER ST
SPRINGFIELD, MA 01109

111700387
LEPINE DAVID & ROGER
159 ST JAMES AVE
SPRINGFIELD, MA 01109

122010035
MCDOWELL LATTOY F & ALI
166 WESTMINSTER ST
SPRINGFIELD, MA 01109

122010043
ROBINSON FRANK P III +
10 PONDVIEW DR
SPRINGFIELD, MA 01118

April 15, 2026

Andrew Strniste
Director of Community Planning
Springfield Historical Commission
70 Tapley Street
Springfield, MA 01104

RE: Samuel Bowles Elementary School Safe Routes to School (SRTS) Project
Springfield, Massachusetts
MassDOT Project Number 613515
Early Environmental Coordination

Dear Mr. Strniste:

The Massachusetts Department of Transportation, Highway Division (MassDOT Highway Division) proposes pedestrian safety improvements on Bowles Park in Springfield, Massachusetts. This project will be funded through the 2027 Transportation Improvement Program for the Pioneer Valley Planning Commission. The project information described herein is provided to the Springfield Historical Commission to initiate consultation with appropriate representatives of local government in compliance with the Environmental Review Checklist.

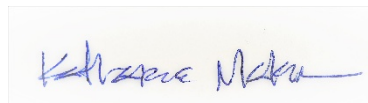
The proposed project consists of the reconstruction of existing sidewalks and construction of new sidewalks, installation of ADA curb ramps, incorporating new pedestrian crossings along the school frontage on Bowles Park between Windemere Street and Osborne Terrace. The project also proposes key geometric and safety upgrades to the intersection of Bowles Park and East Street. Limited portions of the pavement will be resurfaced.

MassDOT requests that the Springfield Historical Commission provide any comments or input related to the project area at their earliest convenience. Please feel free to contact Fil Yee at (617)817-8986 of MassDOT Highway Division and/or Kate Maker of Toole Design Group, LLC at (857) 398-6477 or kmaker@tooledesign.com if you have any questions concerning the project information described herein.

Sincerely,

Toole Design Group, LLC

Katharine Maker
Project Manager
Attachment: Locus Map



CC:

Filbert Yee, MassDOT Highway Division (via email)
Massachusetts Historical Commission (via mail)
Jameson M. Harwood, MassDOT Cultural Resources Supervisor (via email)

ATTACHMENT A:

- Locus Map



Legend

- Mass Historic Commission Inventory (Points)
- Mass Historic Commission Inventory (Areas)

Figure 1 - Locus Map
 Samuel Bowles Elementary School
 SRTS Project
 MassDOT Project #610535
 Springfield, Massachusetts

0 400 800 ft



April 17, 2026

Ref: 175886.000

Brona Simon
State Historic Preservation Officer
Massachusetts Historical Commission
220 Morrissey Blvd.
Boston, MA 02125

Re: Project Notification Form for the Willow Street Garage – Site Enabling Project, Springfield, Massachusetts

Dear Ms. Simon:

On behalf of the Proponent, Springfield Redevelopment Authority, VHB is pleased to submit this Project Notification Form (PNF) and accompanying attachments. This package is being submitted to fulfill obligations under Section 106 of the National Historic Preservation Act of 1996 (16 U.S.C. 470) in support of a NPDES Construction General Permit filing.

The Project is located in Springfield, MA and proposes to remove an existing paved parking lot and associated improvements, followed by site preparation for future construction.

If you have any questions about the PNF, please do not hesitate to contact me at 617-607-2657 or at nbenjamin-ma@vhb.com. Thank you for your consideration on this matter.

Sincerely,

VHB

A handwritten signature in black ink that reads "Nicole J. Benjamin-Ma". The signature is written in a cursive, flowing style.

Nicole Benjamin-Ma
Senior Preservation Planner

enc:

Project Notification Form
USGS Site Location Map
Existing Conditions and Demolition Plan
Site Preparation Plan

cc: Alfonso Nardi, Chair, Springfield Historical Commission

Engineers | Scientists | Planners | Designers

260 Arsenal Place #2, Watertown, Massachusetts 02472-4026

P 617.924.1770 F 617.924.2286 www.vhb.com

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A
MASSACHUSETTS HISTORICAL COMMISSION
220 MORRISSEY BOULEVARD
BOSTON, MASS. 02125
617-727-8470, FAX: 617-727-5128

PROJECT NOTIFICATION FORM

Project Name: Willow Street Garage – Site Enabling Project

Location / Address: 22 Cross Street

City / Town: Springfield, MA

Project Proponent

Name: Peter Garvey, Springfield Redevelopment Authority

Address: 1600 East Columbus Avenue

City/Town/Zip/Telephone: Springfield, MA 01103 (tel) 413-787-6020

Agency license or funding for the project (list all licenses, permits, approvals, grants or other entitlements being sought from state and federal agencies).

<u>Agency Name</u>	<u>Type of License or funding (specify)</u>
<u>Environmental Protection Agency</u>	<u>NPDES Construction General Permit (CGP)</u>

Project Description (narrative):

The Project consists of the proposed removal of an existing paved surface parking lot, sidewalks, a pedestrian path, and site improvements at a site bounded by Willow Street, Cross Street, Stockbridge Street, and multiple buildings lined up along Main Street. The work is proposed in preparation for the future construction of a five-story concrete parking garage. A NPDES CGP is needed for the site enabling, demolition phase only.

Does the project include demolition? If so, specify nature of demolition and describe the building(s) which are proposed for demolition.

The Project proposes the demolition of a paved parking lot, sidewalk, concrete pedestrian pathway, and sidewalks. Demolition activities include the installation of a temporary construction fence around the perimeter of the site; removal of existing parking lot pavements and other improvements; removal and salvaging of site appurtenances; removal and capping of underground utilities within the site boundaries; removal and off-site disposal of non-engineered fill; excavation and removal of non-engineered fill and buried slabs and wall from footing subgrades; and the placement and compaction of imported gravel fill to establish the final subgrade.

Does the project include rehabilitation of any existing buildings? If so, specify nature of rehabilitation and describe the building(s) which are proposed for rehabilitation.

N/A

Does the project include new construction? If so, describe (attach plans and elevations if necessary).

There is no new construction; the subject Site Enabling Project includes demolition only.

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A (continued)

To the best of your knowledge, are any historic or archaeological properties known to exist within the project's area of potential impact? If so, specify.

MACRIS indicates that the Project site is located in the inventoried Main and State Streets Commercial District (SPR.CV). It is adjacent to the McKinney Building (SPR.125), the Bangs Block (SPR.126), the Burbach Block (SPR.127), the Colonial Block (SPR.124), and the Guenther and Handel's Block (SPR.123), all of which are individually listed in the National Register as part of the Downtown Springfield Multiple Resource Area (SPR.BM).

What is the total acreage of the project area?

Woodland:	_____	acres	Productive Resources:		
Wetland:	_____	acres	Agriculture:	_____	acres
Floodplain:	_____	acres	Forestry:	_____	acres
Open Space:	_____	acres	Mining/Extraction:	_____	acres
Developed:	~ 1	acres	Total Project Acreage:	~ 1	acres

What is the acreage of the proposed new construction? 0 acres

What is the present land use of the project area?

The land is currently developed with a paved parking lot, a concrete pedestrian path, sidewalks, and site improvements.

Please attach a copy of the section of the USGS quadrangle map which clearly marks the project location.

Please see the attached USGS Site Location Map.

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A (continued)

This Project Notification Form has been submitted to the MHC in compliance with 950 CMR 71.00

Nicole J. Benjamin-Ma April 17, 2026
Signature of Person submitting this form Date

Name: Nicole Benjamin-Ma, Senior Preservation Planner, VHB

Address: 260 Arsenal Place #2 City/Town/Zip: Watertown, MA 02472

Telephone: (617) 607-2657

REGULATORY AUTHORITY

950 CMR 71.00: M.G.L. c. 9, §§ 26-27C as amended by St. 1988, c. 254.

Figure 1. USGS Location Map



Alfonso Nardi, Chairman
Springfield Historical Commission
26 Central Street, Suite 11
West Springfield, MA 01089

**Re: Massachusetts Department of Transportation – Highway Division
Bridge Replacement, S-24-003=W-21-002, Route 20 over Connecticut River
MassDOT Project Number: 612494**

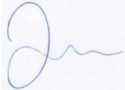
Dear Chairman Nardi,

The Massachusetts Department of Transportation – Highway Division (MassDOT) is proposing to replace bridges S-04-003 and W-21-002 on Route 20 (Park Avenue) over the Connecticut River between Springfield and West Springfield (see attached USGS Locus Map).

The bridges were constructed in 1924 and have undergone various maintenance and repairs since their construction. Both bridges have surpassed their lifespans and show signs of deterioration due to heavy traffic, weather conditions, and natural wear. The outdated structure also fails to meet modern engineering standards, posing safety risks and struggles to accommodate the increasing traffic demands of the growing communities.

If you have any questions regarding the Project, please feel free to contact me at (203) 536-1833 or jessica.marino@aecom.com.

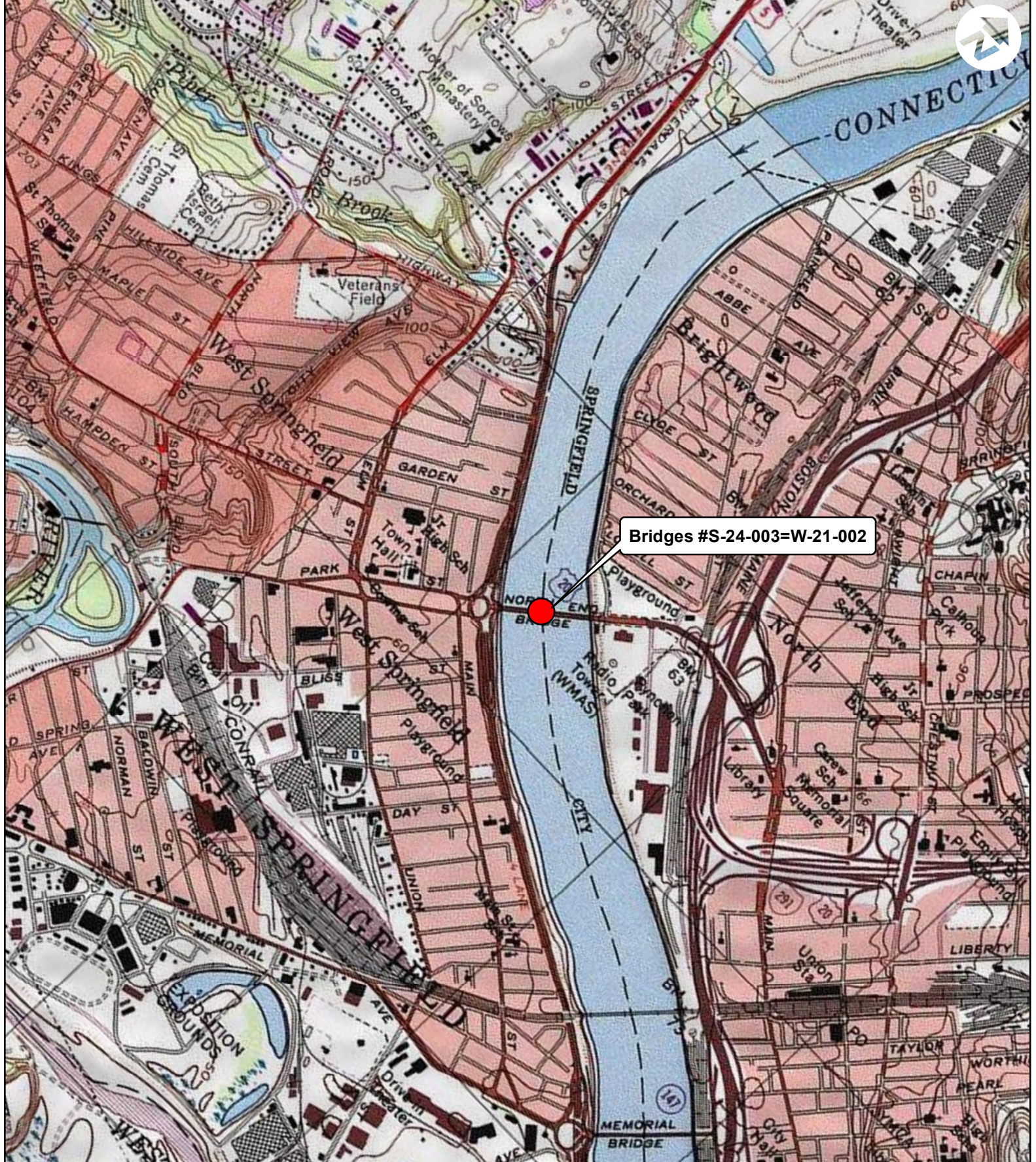
Sincerely,



Jessica Marino, PWS
Senior Wetland Scientist
jessica.marino@aecom.com

Enclosures: USGS Locus Map

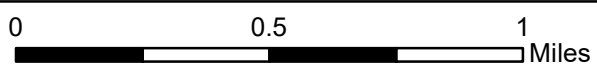
CC: Jameson Harwood, MassDOT Cultural Resources Unit (CRU)
Brona Simon, State Historic Preservation Officer



Bridges #S-24-003=W-21-002



Figure 1 - USGS Topographic Map
Bridge Replacement (S-24-003=W-21-002), Park Avenue
(Route 20) over Connecticut River
 Park Avenue (Route 20)
 Springfield/West Springfield, MA



Notes: Projection is in Massachusetts State Plane (ft) NAD 1983. Topographic map courtesy of ESRI USGS Topography Basemap.

Prepared for:

 Massachusetts Department of Transportation
 Highway Division

Prepared by:
AECOM

May 2024

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	1	104
PROJECT FILE NO.		612494	

TITLE SHEET & INDEX

PLAN AND PROFILE OF
ROUTE 20 OVER CONNECTICUT RIVER
(BRIDGE NO. S-24-003=W-21-002 (XXX))

IN THE CITY OF

SPRINGFIELD / WEST SPRINGFIELD
HAMPDEN COUNTY

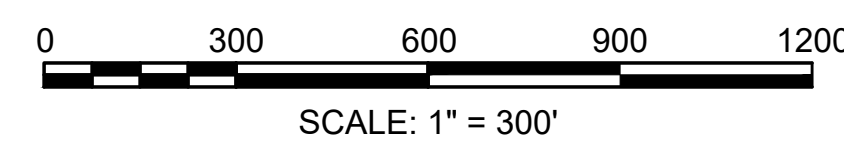
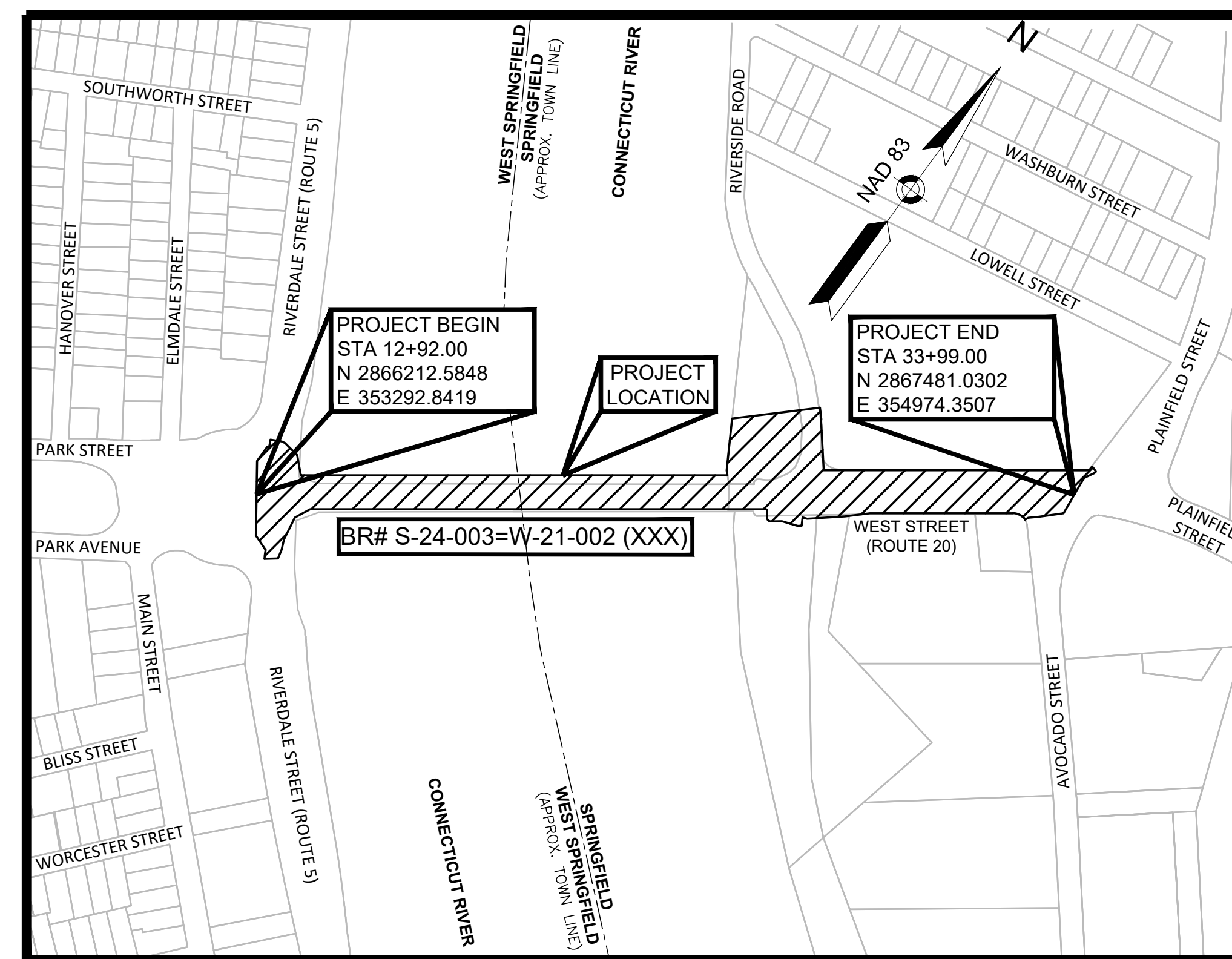
FEDERAL AID PROJECT NO. -

THESE PLANS ARE SUPPLEMENTED BY THE LATEST EDITIONS OF THE FOLLOWING PUBLICATIONS, AS IDENTIFIED IN THE CONTRACT SPECIAL PROVISIONS: THE MASSDOT CONSTRUCTION STANDARD DETAILS, THE MASSDOT STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE MASSDOT STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, THE MASSDOT OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, THE MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, AND THE ANSI AMERICAN STANDARD FOR NURSERY STOCK.

25% SUBMITTAL

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET & INDEX
2	LEGEND & ABBREVIATIONS
3	GENERAL NOTES
4	KEY PLAN
5 - 9	TYPICAL SECTIONS
10 - 14	BASELINE TIE PLANS
15 - 19	CONSTRUCTION PLANS
20 - 24	PROFILES
25 - 29	DRAINAGE PLANS
30	DRAINAGE STRUCTURE DATA TABLE
31 - 32	STORMWATER PLANS AND DETAILS
33 - 37	TRAFFIC SIGN & PAVEMENT MARKING PLANS
38	TRAFFIC SIGN SUMMARY
39 - 42	TRAFFIC SIGNAL PLANS
43 - 47	CONSTRUCTION STAGING PLANS
48	TEMPORARY TRAFFIC CONTROL PLANS - PHASING NOTES
49	TEMPORARY TRAFFIC CONTROL PLANS - KEY PLAN
50 - 54	TEMPORARY TRAFFIC CONTROL PLANS - PHASE 1
55 - 59	TEMPORARY TRAFFIC CONTROL PLANS - PHASE 2
60 - 64	TEMPORARY TRAFFIC CONTROL PLANS - PHASE 3
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69 - 73	UTILITY PLANS
74	UTILITY DETAILS
75	ELECTRICAL NOTES, ABBREVIATION AND LEGEND
76 - 80	LIGHTING PLANS
81 - 85	ELECTRICAL DETAILS
86-89	LANDSCAPE PLANS
90-92	LANDSCAPE DETAILS
93	CONSTRUCTION DETAILS
94 - 104	CROSS SECTIONS



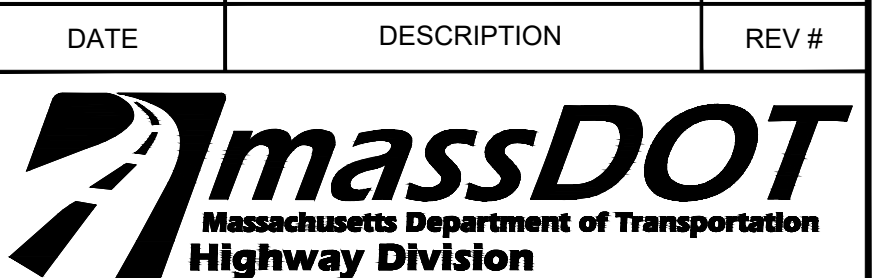
LENGTH OF PROJECT = 2,106.54 FEET = 0.399 MILES

DESIGN DESIGNATION (ROUTE 20)

DESIGN SPEED	30 MPH
ADT (2023) EB/WB	32,213
K	8.30%
D	57.60%
T (PEAK HOUR)	8.17%
T (AVERAGE DAY)	N/A
DHV	2,692
DDHV	1,551
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL

DESIGN DESIGNATION (RIVERSIDE ROAD)

DESIGN SPEED	20 MPH
ADT (YYYY)	N/A
K	N/A
D	N/A
T (PEAK HOUR)	N/A
T (AVERAGE DAY)	N/A
DHV	N/A
DDHV	N/A
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR



APPROVED

CHIEF ENGINEER

DATE

GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		JERSEY BARRIER
		CATCH BASIN
		CATCH BASIN CURB INLET
		FLAG POLE
		GAS PUMP
		MAIL BOX
		POST SQUARE
		POST CIRCULAR
		WELL
		ELECTRIC HANDHOLE
		FENCE GATE POST
		GAS GATE
		BORING HOLE
		MONITORING WELL
		TEST PIT
		HYDRANT
		LIGHT POLE
		COUNTY BOUND
		GPS POINT
		CABLE MANHOLE
		DRAINAGE MANHOLE
		ELECTRIC MANHOLE
		GAS MANHOLE
		MISC MANHOLE
		SEWER MANHOLE
		TELEPHONE MANHOLE
		WATER MANHOLE
		MASSACHUSETTS HIGHWAY BOUND
		MONUMENT
		STONE BOUND
		TOWN OR CITY BOUND
		TRAVERSE OR TRIANGULATION STATION
		TROLLEY POLE OR GUY POLE
		TRANSMISSION POLE
		UTILITY POLE W/ FIREBOX
		UTILITY POLE WITH DOUBLE LIGHT
		UTILITY POLE W / 1 LIGHT
		UTILITY POLE
		BUSH
		TREE
		STUMP
		SWAMP / MARSH
		WATER GATE
		PARKING METER
		OVERHEAD CABLE/WIRE
		CURBING
		CONTOURS (ON-THE-GROUND SURVEY DATA)
		CONTOURS (PHOTOGRAMMETRIC DATA)
		UNDERGROUND DRAIN PIPE (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND ELECTRIC DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND GAS MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND SEWER MAIN (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND TELEPHONE DUCT (DOUBLE LINE 24 INCH AND OVER)
		UNDERGROUND WATER MAIN (DOUBLE LINE 24 INCH AND OVER)
		BALANCED STONE WALL
		GUARD RAIL - STEEL POSTS
		GUARD RAIL - WOOD POSTS
		GUARD RAIL - DOUBLE FACE - STEEL POSTS
		GUARD RAIL - DOUBLE FACE - WOOD POSTS
		CHAIN LINK OR METAL FENCE
		WOOD FENCE
		SEDIMENT BARRIER
		COIR LOG SEDIMENT BARRIER
		TREE LINE
		SAWCUT LINE
		TOP OR BOTTOM OF SLOPE
		LIMIT OF EDGE OF PAVEMENT OR COLD PLANE AND OVERLAY
		BANK OF RIVER OR STREAM
		BORDER OF WETLAND
		100 FT WETLAND BUFFER
		200 FT RIVERFRONT BUFFER
		STATE HIGHWAY LAYOUT
		TOWN OR CITY LAYOUT
		COUNTY LAYOUT
		RAILROAD SIDELINE
		TOWN OR CITY BOUNDARY LINE
		PROPERTY LINE OR APPROXIMATE PROPERTY LINE
		EASEMENT

TRAFFIC SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		CONTROLLER PHASE ACTUATED
		TRAFFIC SIGNAL HEAD (SIZE AS NOTED)
		WIRE LOOP DETECTOR (6' x 6' TYP UNLESS OTHERWISE SPECIFIED)
		VIDEO DETECTION CAMERA
		MICROWAVE DETECTOR
		PEDESTRIAN PUSH BUTTON, SIGN (DIRECTIONAL ARROW AS SHOWN) AND SADDLE
		EMERGENCY PREEMPTION CONFIRMATION STROBE LIGHT
		VEHICULAR SIGNAL HEAD
		VEHICULAR SIGNAL HEAD, OPTICALLY PROGRAMMED
		FLASHING BEACON
		PEDESTRIAN SIGNAL HEAD, (TYPE AS NOTED OR AS SPECIFIED)
		RAILROAD SIGNAL
		SIGNAL POST AND BASE (ALPHA-NUMERIC DESIGNATION NOTED)
		MAST ARM, SHAFT AND BASE (ARM LENGTH AS NOTED)
		HIGH MAST POLE OR TOWER
		SIGN AND POST
		SIGN AND POST (2 POSTS)
		MAST ARM WITH LUMINAIRE
		OPTICAL PRE-EMPTION DETECTOR
		CONTROL CABINET, GROUND MOUNTED
		CONTROL CABINET, POLE MOUNTED
		FLASHING BEACON CONTROL AND METER PEDESTAL
		LOAD CENTER ASSEMBLY
		PULL BOX 12"x12" (OR AS NOTED)
		ELECTRIC HANDHOLE 12"x24" (OR AS NOTED)
		TRAFFIC SIGNAL CONDUIT

PAVEMENT MARKINGS SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		PAVEMENT ARROW - WHITE
		LEGEND "ONLY" - WHITE
		STOP LINE
		CROSSWALK
		SOLID WHITE LINE
		SOLID YELLOW LINE
		BROKEN WHITE LINE
		BROKEN YELLOW LINE
		DOTTED WHITE LINE
		DOTTED YELLOW LINE
		DOTTED WHITE LINE EXTENSION
		DOTTED YELLOW LINE EXTENSION
		DOUBLE WHITE LINE
		DOUBLE YELLOW LINE

ABBREVIATIONS

GENERAL	
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ	ADJUST
APPROX.	APPROXIMATE
A.C.	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL PIPE
BIT.	BITUMINOUS
BC	BOTTOM OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BM	BENCHMARK
BO	BY OTHERS
BOS	BOTTOM OF SLOPE
BR.	BRIDGE
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
CCM	CEMENT CONCRETE MASONRY
CEM	CEMENT
CI	CURB INLET
CIP	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CSP	CORRUGATED STEEL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CR GR	CROWN GRADE
DHV	DESIGN HOURLY VOLUME
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DW	STEADY DON'T WALK - PORTLAND ORANGE
DWY	DRIVEWAY
ELEV (or EL.)	ELEVATION
EMB	EMBANKMENT
EOP	EDGE OF PAVEMENT
EXIST (or EX)	EXISTING
EXC	EXCAVATION
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FDN.	FOUNDATION
FLDSTN	FIELDSTONE
GAR	GARAGE
GD	GROUND
GG	GAS GATE
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GRAN	GRANITE
GRAV	GRAVEL
GRD	GUARD
HDW	HEADWALL
HMA	HOT MIX ASPHALT
HOR	HORIZONTAL
HYD	HYDRANT
INV	INVERT
JCT	JUNCTION
L	LENGTH OF CURVE
LB	LEACH BASIN
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MB	MAILBOX
MH	MANHOLE
MHB	MASSACHUSETTS HIGHWAY BOUND
MIN	MINIMUM
M&O	MILL & OVERLAY
NIC	NOT IN CONTRACT
NO.	NUMBER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	PEDESTRIAN CURB RAMP
P.G.L.	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CURVATURE
PROJ	PROJECT
PROP	PROPOSED
PSB	PLANTABLE SOIL BORROW
PT	POINT OF TANGENCY

**SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	2	104
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LEGEND & ABBREVIATIONS

ABBREVIATIONS (cont.)

GENERAL	
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
PVMT	PAVEMENT
PWW	PAVED WATER WAY
R	RADIUS OF CURVATURE
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RDWY	ROADWAY
REM	REMOVE
RET	RETAIN
RET WALL	RETAINING WALL
ROW	RIGHT OF WAY
RR	RAILROAD
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
RT	RIGHT
SB	STONE BOUND
SHLD	SHOULDER
SMH	SEWER MANHOLE
ST	STREET
STA	STATION
SSD	STOPPING SIGHT DISTANCE
SHLO	STATE HIGHWAY LAYOUT LINE
SW	SIDEWALK
T	TANGENT DISTANCE OF CURVE/TRUCK %
TAN	TANGENT
TEMP	TEMPORARY
TC	TOP OF CURB
TOS	TOP OF SLOPE
TYP	TYPICAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
VC	VERTICAL CURVE
WG	WATER GATE
WIP	WROUGHT IRON PIPE
WM	WATER METER/WATER MAIN
X-SECT	CROSS SECTION

TRAFFIC SIGNAL ABBREVIATIONS

CAB	CABINET
CCVE	CLOSED CIRCUIT VIDEO EQUIPMENT
DW	STEADY UPRAISED HAND
FDW	FLASHING UPRAISED HAND
FR	FLASHING CIRCULAR RED
FRL	FLASHING RED LEFT ARROW
FRR	FLASHING RED RIGHT ARROW
FY	FLASHING CIRCULAR YELLOW
FYL	FLASHING YELLOW LEFT ARROW
FYR	FLASHING YELLOW RIGHT ARROW
G	STEADY CIRCULAR GREEN
GL	STEADY GREEN LEFT ARROW
GR	STEADY GREEN RIGHT ARROW
GSL	STEADY GREEN SLASH LEFT ARROW
GSR	STEADY GREEN SLASH RIGHT ARROW
GV	STEADY GREEN VERTICAL ARROW
OL	OVERLAP
PED	PEDESTRIAN
PTZ	PAN, TILT, ZOOM
R	STEADY CIRCULAR RED
RL	STEADY RED LEFT ARROW
RR	STEADY RED RIGHT ARROW
TR SIG	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CONDUIT
W	STEADY WALKING PERSON
Y	STEADY CIRCULAR YELLOW
YL	STEADY YELLOW LEFT ARROW

**SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	3	104
PROJECT FILE NO.		612494	

GENERAL NOTES

GENERAL NOTES

- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION.
- THE CONTRACTOR SHALL CAUSE AS LITTLE INTERFERENCE AND INCONVENIENCE AS POSSIBLE TO ABUTTERS. THE CONTRACTOR SHALL MAINTAIN SAFE AND CONVENIENT ACCESS TO PRIVATE PROPERTY AT ALL TIMES. EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES.
- CONSTRUCTION STAGING AREAS SHALL BE LOCATED AS DIRECTED AND APPROVED BY THE ENGINEER WITHIN THE RIGHT OF WAY.
- CONTRACTOR SHALL BE LIMITED TO CONSTRUCTION ACTIVITIES WITHIN THE IDENTIFIED LIMITS OF WORK AS SHOWN ON THE PLANS, OR AS DIRECTED TO DO SO BY THE ENGINEER.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE CITY AND APPLICABLE AGENCIES PRIOR TO COMMENCING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLETION OF ALL DESIGN TASKS, CALCULATIONS AND CONSTRUCTION AS REFERENCED IN THE CONTRACT PLANS, SPECIFICATIONS AND SUPPLEMENTARY DOCUMENTS.
- CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITY SERVICES AND HIGHWAY LIGHTING THROUGHOUT CONSTRUCTION UNTIL AND UNLESS THEY ARE REPLACED PER THE CONTRACT AND AS NOTED ON THE PLANS.
- CONTRACTOR SHALL MAINTAIN REASONABLE ACCOMMODATION FOR ALL BUS ROUTES WITHIN THE PROJECT LIMIT.
- EXISTING PAVEMENTS SHALL BE SAWCUT WHERE THEY MEET PROPOSED SURFACE TREATMENTS. SAWCUTS WILL BE SMOOTH AND STRAIGHT.
- CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH NEW WORK. TEST PITS WILL BE PERFORMED TO VERIFY PERTINENT DRAINAGE INVERTS AND POTENTIAL UTILITY CONFLICTS. DISCREPANCIES OR CONFLICTS WILL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- GUARDRAIL POSTS SHALL NOT BE DRIVEN IN CLOSE PROXIMITY TO EXISTING UNDERGROUND UTILITIES UNLESS UNDERGROUND UTILITIES ARE EXPOSED AND LOCATIONS ARE CLEARLY KNOWN.
- ALL GRANITE CURB SHALL BE SET TO HAVE A 6" REVEAL ABOVE FINAL PAVEMENT GRADES (UNLESS OTHERWISE NOTED).
- PROPOSED VERTICAL GRANITE CURBING IS CURRENTLY SHOWN THROUGHOUT THE PROJECT LIMITS. DESIGN BUILD ENTITY WILL EVALUATE THE VIABILITY OF REMOVING EXISTING CURB AND REUSING IT ON SITE IN LOCATIONS OF PROPOSED CURB.

DRAINAGE NOTES

- SHOULD DAMAGE OF ANY KIND OCCUR TO EXISTING DRAIN PIPES AND STRUCTURES, THE CONTRACTOR SHALL MAKE REPAIRS, AT HIS OR HER OWN EXPENSE, TO THE SATISFACTION OF THE ENGINEER AND OWNER.
- GRADING SHALL PROVIDE POSITIVE DRAINAGE TO ALL DRAIN INLET STRUCTURES.
- DURING CONSTRUCTION, ALL STRUCTURES OF THE EXISTING SYSTEM SHALL BE PROTECTED AGAINST SEDIMENTATION AND DEBRIS.
- NO EXISTING DRAINAGE SYSTEMS SHALL BE ABANDONED, PLUGGED OR REMOVED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
- ALL NEW CATCH BASINS SHALL BE DEEP SUMP (4'-0") TYPE.
- ALL EXISTING OUTFALLS SHALL BE INSPECTED PRIOR TO CONNECTING PROPOSED DRAINAGE STRUCTURES. OUTFALLS THAT ARE DAMAGED, CLOGGED, OR OTHERWISE IMPAIRED SHALL BE CLEANED OR REPAIRED AS NEEDED.

UTILITY NOTES

- THE CONTRACTOR MUST NOTIFY DIG SAFE AT 1-888-344-7233 NO LESS THAN 72 HOURS BEFORE COMMENCING ANY EXCAVATION ACTIVITIES
- THE CONTRACTOR SHALL NOTIFY ALL AGENCIES INVOLVED AND VERIFY THE LOCATIONS OF ALL EXISTING SUBSURFACE UTILITIES PRIOR TO PERFORMING ANY WORK.
- ALL UTILITY COMPANIES PUBLIC AND PRIVATE MUST BE NOTIFIED, INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN (SEE CHAPTER 370, ACTS OF 1963, MASSACHUSETTS), PRIOR TO DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORING OR REPAVING.
- THE LOCATION OF EXISTING PIPES OR OTHER UNDERGROUND STRUCTURES ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES OR STRUCTURES ARE SHOWN. IN ACCORDANCE WITH MGL CHAPTER 82, SECTION 40, 40A-40E INCLUDING AMENDMENTS, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES INCLUDED IN THIS PROJECT IN WRITING PRIOR TO ANY EXCAVATION WORK. CALL "DIG SAFE" AT 1-888-344-7233 AT LEAST 72

HOURS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO ANY EXCAVATION WORK TO OBTAIN ACCURATE UTILITY LOCATIONS.

- INVERTS SHOWN ON PLANS ARE NOT GUARANTEED TO BE ACCURATE AND ARE SHOWN FOR BIDDING PURPOSES ONLY. DUE TO THE LIMITATIONS OF FIELD OBSERVATION AND SURVEY TECHNIQUES THE INVERTS ARE SHOWN AS APPROXIMATE ONLY AND SHALL NOT BE WARRANTED TO BE CORRECT. ADDITIONAL FIELD INVESTIGATION IS NECESSARY WHERE ACCURATE MEASUREMENTS ARE REQUIRED FOR DESIGN OF CRITICAL AREAS AND SHALL BE APPROVED BY THE ENGINEER.
- ALL GATES AND MANHOLES WITHIN THE CONSTRUCTION LIMITS WILL BE ADJUSTED TO MEET PROPOSED GRADES.

SURVEY NOTES

- HORIZONTAL AND VERTICAL CONTROL WAS ESTABLISHED BY MASSDOT SURVEY, IN FIELD BOOK 42100, PAGE 87 AND FIELD BOOK 42009, PAGE 57 ON MARCH 13, 2023. HORIZONTAL DATUM IS BASED ON THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM NAD83 (2011), 2010.00 EPOCH. VERTICAL DATUM IS NAVD88 (COMPUTED USING GEOD18) USING THE FOLLOWING CONTROL POINTS:

POINT	GRID NORTHING	GRID EASTING	ELEVATION	GRID SCALE FACTOR
9386	2856048.889	360279.743	75.4440	0.999967701817271
A51	2864962.806	348946.302	157.772	0.999962963480228
CTEG	2799415.393	329922.404	194.808	0.999971439690625
MASB	2866172.165	496834.725	617.586	0.999940713955746
MASH	2881743.859	150618.918	674.743	0.999937541734181
MAWS	2877079.991	351278.320	84.646	0.999965648604126

MASSDOT ESTABLISHED THE FOLLOWING POINTS FOR THIS PROJECT:

POINT	GRID NORTHING	GRID EASTING	ELEVATION	GRID SCALE FACTOR
3253 (1)	2866015.356	353492.137	74.278	0.999966870753374
3254 (2)	2866446.244	353202.034	73.632	0.999966868299266
3255 (3)	2867443.194	355043.413	66.988	0.999967108650944
3256 (4)	2867586.497	355357.919	86.076	0.999966184482356

- CONTOUR INTERVAL EQUALS ONE (1) FOOT.
- COORDINATES REFER TO THE MASSACHUSETTS COORDINATE SYSTEM NAD83 (2011), EPOCH 2010.00, MAINLAND ZONE.
- MAPPING WAS PRODUCED PHOTOGRAMMETRICALLY BY GEOD CORPORATION AT 1"=20' WITH 1' DTM CONTOURS FROM DIGITAL AERIAL IMAGERY ACQUIRED ON 8/3/2022 AT A GSD OF 3.0 CM SO AS TO MEET OR EXCEED ASPRS POSITIONAL ACCURACY STANDARDS FOR DIGITAL GEOSPATIAL DATA (EDITION 1, VERSION 1.0, - NOVEMBER 2014) FOR 3.0 CM IMAGERY. MAPPING IS REFERENCED TO MA (MAINLAND) SPCS NAD83 IN USFT/NAVD88. HORIZONTAL AND VERTICAL DATUMS BASED ON CLIENT SUPPLIED PHOTO CONTROL. A SUPPLEMENTAL FIELD SURVEY WAS CONDUCTED BY BRENNAN CONSULTING FROM MAY 19, 2023 TO JUNE 26, 2023, SEPTEMBER 15-19, 2025 AND OCTOBER 6 AND 9, 2025.
- BATHYMETRIC FIELD WORK WAS CONDUCTED JUNE 9 & 10, 2023 BY HEIDECKER LAND SURVEYING, PLLC AND ALL MEASUREMENTS WERE TAKEN ON THE GROUND. THE SOUNDING DATA WAS COLLECTED UTILIZING THE HYDROLITE DXF SINGLE BEAM/DUAL FREQUENCY SURVEY GRADE ECHOSOUNDER WITH A 30 KHZ/200 KHZ TRANSDUCER. SOUNDINGS ARE SHOWN AS ELEVATIONS AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION.
- THE ELECTRIC LINES AS SHOWN HEREON, WERE COMPILED FROM GIS PLANS PROVIDED BY EVERSOURCE. NO RECORD OF SIZE OR MATERIAL OF THE CONDUITS WAS MADE AVAILABLE. CROWN CASTLE AND LUMEN PLANS RECEIVED WERE SCHEMATIC AND COULD NOT BE PLOTTED.
- PLAN BOOK 9, PAGE 8 SHOWS RAIL/TROLLEY LINES ON WEST STREET IN SPRINGFIELD. NO OTHER RECORD PLANS WERE PROVIDED TO ESTABLISH THE STATUS OF THE RAIL LINES.
- UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE AFOREMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. BRENNAN CONSULTING CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLANS, SINCE SUBSURFACE UTILITIES CANNOT BE VISIBLY VERIFIED. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL, TOLL FREE, THE DIG SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO HOURS PRIOR TO EXCAVATION.
- THE BRIDGE BASELINE, AS SHOWN HEREON, IS BASED ON THE CENTERLINE OF THE BRIDGE AT EITHER ENDPOINT. NO RECORD BASELINE INFORMATION WAS PROVIDED FOR THIS SURVEY.

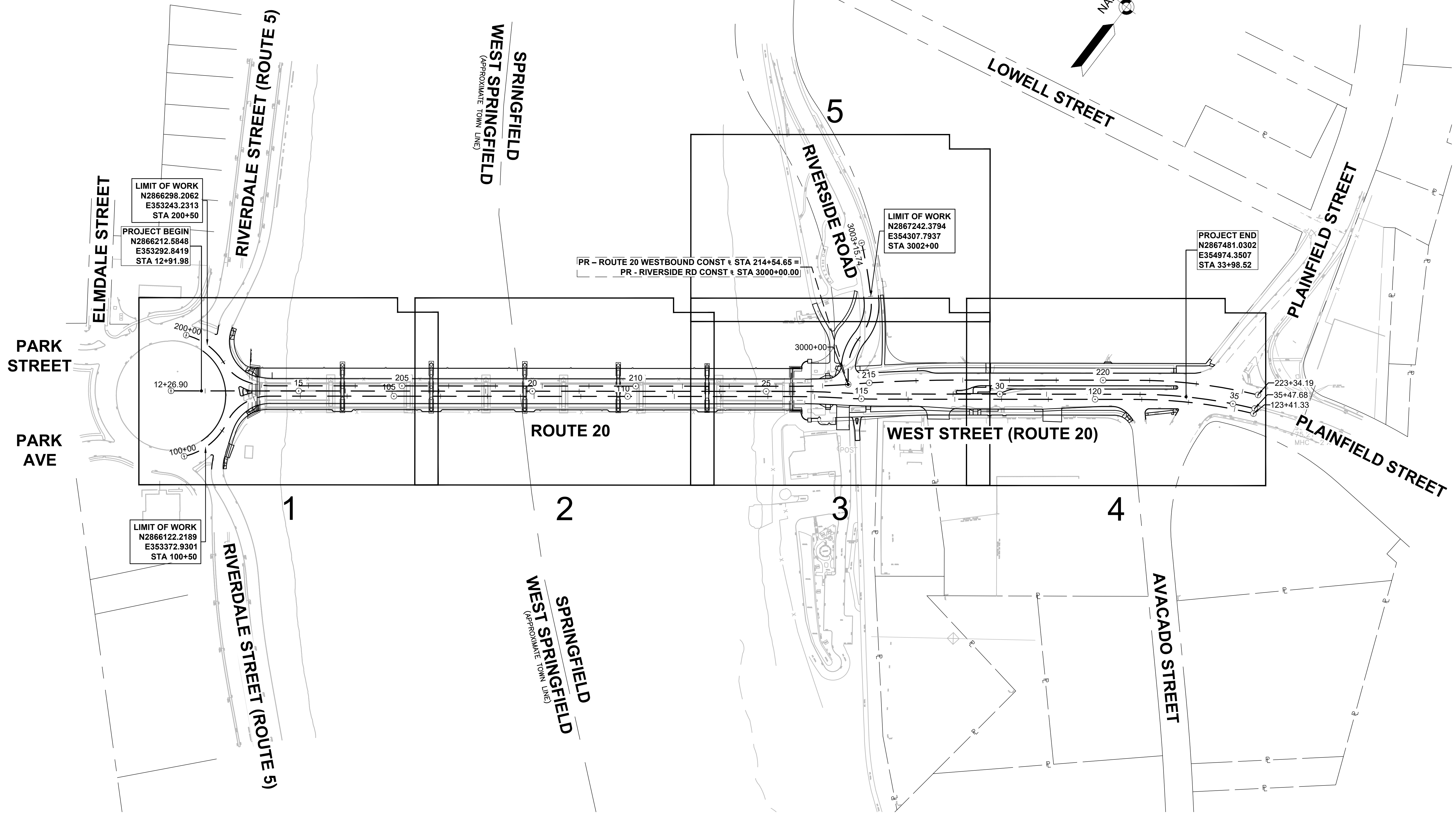
- THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF BRENNAN CONSULTING AND ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY AND SOLELY TO BRENNAN CONSULTING'S SCOPE OF SERVICES UNDER CONTRACT TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY BRENNAN CONSULTING.

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	4	104
PROJECT FILE NO.		612494	

KEY PLAN

PLAN VIEW	SHEET 1	SHEET 2	SHEET 3	SHEET 4	SHEET 5
BASELINE TIE PLANS	10	11	12	13	14
CONSTRUCTION PLANS	15	16	17	18	19
DRAINAGE PLANS	25	26	27	28	29
TRAFFIC SIGN & PAVEMENT MARKINGS PLANS	33	34	35	36	37
UTILITY PLANS	69	70	71	72	73
LIGHTING PLANS	76	77	78	79	80
LANDSCAPE PLANS	N/A	N/A	86	87	88



LIMIT OF WORK
N2866298.2062
E353243.2313
STA 200+50

PROJECT BEGIN
N2866212.5848
E353292.8419
STA 12+91.98

PR - ROUTE 20 WESTBOUND CONST @ STA 214+54.65 =
PR - RIVERSIDE RD CONST @ STA 3000+00.00

LIMIT OF WORK
N2867242.3794
E354307.7937
STA 3002+00

PROJECT END
N2867481.0302
E354974.3507
STA 33+98.52

LIMIT OF WORK
N2866122.2189
E353372.9301
STA 100+50



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TYPICAL SECTIONS
SHEET 1 OF 5

PAVEMENT NOTES

PROPOSED FULL DEPTH PAVEMENT (GREATER THAN 4.0 FT WIDE)

SURFACE COURSE: 2 IN. SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC - 12.5 - P) OVER
 INTERMEDIATE COURSE: 2 1/2 IN. SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) OVER
 BASE COURSE: 4 IN. SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5) OVER
 SUBBASE: 4 IN. DENSE GRADED CRUSHED STONE FOR BASE OVER
 8 IN. GRAVEL BORROW TYPE b

PROPOSED FULL DEPTH PAVEMENT (LESS THAN 4.0 FEET WIDE)

SURFACE COURSE: 2 IN. SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC - 12.5 - P) OVER
 INTERMEDIATE COURSE: 2 1/2 IN. SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) OVER
 BASE COURSE: 6 IN. CEMENT CONCRETE BASE COURSE OVER
 SUBBASE: 8 IN. GRAVEL BORROW TYPE b

PROPOSED FINE MILLING & OVERLAY

SURFACE COURSE: 2 IN. SUPERPAVE SURFACE COURSE - 12.5 POLYMER (SSC - 12.5 - P) OVER
 MILLING: 2 IN. PAVEMENT FINE MILLING

PROPOSED LEVELING

LEVELING COURSE: VARIABLE DEPTH TO MEET PROPOSED GRADING
 1 IN. TO 2 IN. SUPERPAVE LEVELING COURSE - 9.5 (SLC - 9.5) OR
 1 1/2 IN. TO 3 IN. SUPERPAVE LEVELING COURSE - 12.5 (SLC - 12.5)

PROPOSED CEMENT CONCRETE SIDEWALK / CURB RAMP / MEDIAN SURFACE / SPLITTER ISLAND / PLAZA

SURFACE: 4 IN. CEMENT CONCRETE
 AIR ENTRAINED 4000 PSI, 3/4", 610 OVER
 FOUNDATION: 8 IN. GRAVEL BORROW TYPE b

PROPOSED CEMENT CONCRETE SIDEWALK AT DRIVEWAYS

SURFACE: 6 IN. CEMENT CONCRETE
 AIR ENTRAINED 4000 PSI, 3/4" 610 OVER
 FOUNDATION: 8 IN. GRAVEL BORROW TYPE b

PROPOSED SHARED USE PATH / BIKE PATH PAVEMENT

SURFACE: 4 IN. SUPERPAVE PLACED IN TWO LAYERS:
 1 1/2 IN. SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5) OVER
 2 1/2 IN. SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5)
 FOUNDATION: 8 IN. GRAVEL BORROW TYPE b

PROPOSED BRIDGE PAVEMENT

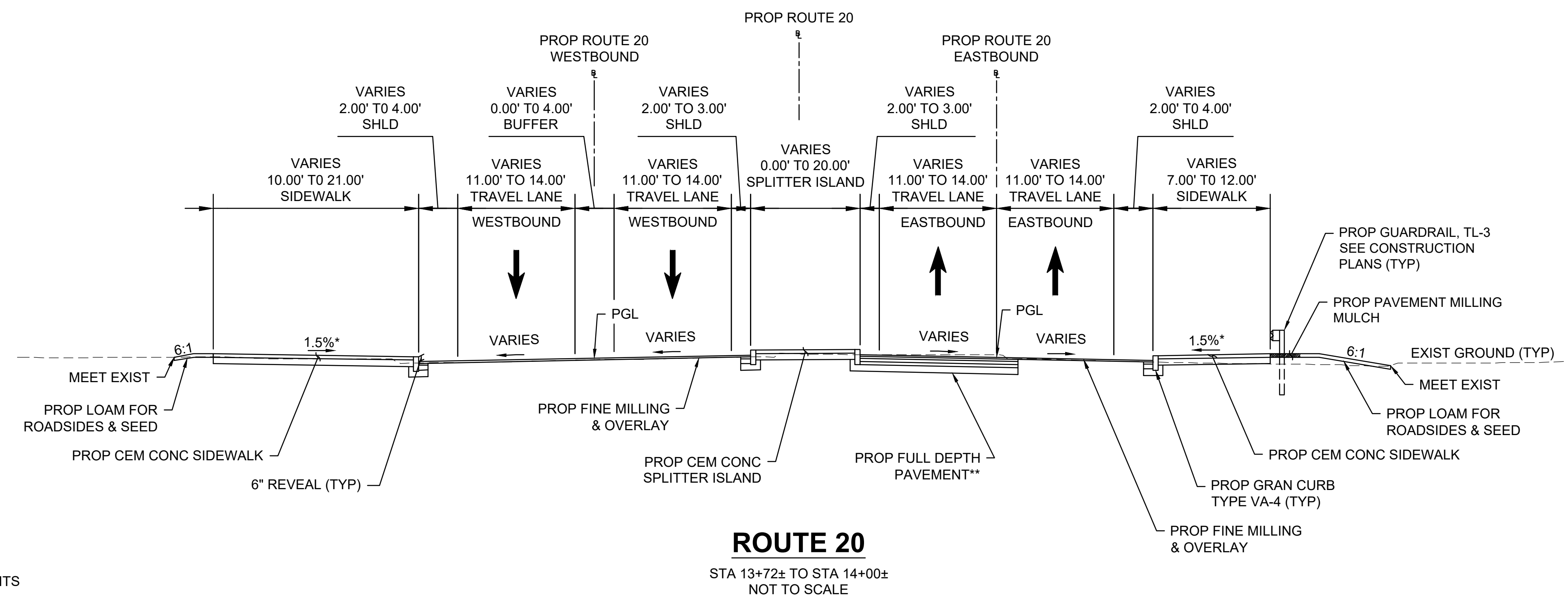
SURFACE: 1 1/2 IN. SUPERPAVE BRIDGE SURFACE COURSE - 9.5 (SSC - B - 9.5)
 INTERMEDIATE COURSE: 1 1/2 IN. SUPERPAVE BRIDGE PROTECTIVE COURSE - 9.5 (SPC - B - 9.5)
 OVER POLYMER MODIFIED TACK COAT OVER
 SPRAY APPLIED WATERPROOFING MEMBRANE

TEMPORARY PAVEMENT

SURFACE: 2 IN. SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) OVER
 INTERMEDIATE COURSE: 3 IN. SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0) OVER
 SUBBASE: 4 IN. DENSE GRADED CRUSHED STONE OVER
 8 IN. GRAVEL BORROW TYPE b

PAVEMENT NOTES

- SAWCUTS ARE LOCATED 12" FROM THE EXISTING EDGE OF ROAD OR 12" FROM THE PROPOSED EDGE OF PAVEMENT, WHICHEVER IS FURTHEST INTO THE EXISTING ROADWAY.
- MILLING AND LEVELING COURSE SHALL PROVIDE CROSS SLOPES AS SHOWN ON THE PLANS FOR SUPERELEVATED SECTIONS.
- ASPHALT EMULSIONS FOR TACK COAT SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - ON A NEW HMA SURFACE, NOT OPENED TO TRAFFIC, THE EMULSION APPLICATION RATE SHALL EQUAL 0.06 TO 0.08 GALLONS PER SQUARE YARD.
 - ON AN EXISTING TIGHT SMOOTH PAVEMENT, THE EMULSION APPLICATION RATE SHALL EQUAL 0.06 TO 0.08 GALLONS PER SQUARE YARD.
 - ON A MILLED SURFACE, THE EMULSION APPLICATION RATE SHALL EQUAL 0.07 TO 0.09 GALLONS PER SQUARE YARD.
 - ON CEMENT CONCRETE BASE COURSE, THE EMULSION APPLICATION RATE SHALL BE EQUAL TO SPRAY APPLICATION FOR THE ADJACENT SURFACE.
 - ON NEW HMA PATCHES, THE EMULSION APPLICATION RATE SHALL EQUAL 0.06 TO 0.09 GALLONS PER SQUARE YARD.
- SPECIFIED APPLICATION RATES ARE BASED ON A 3/32 RESIDUAL TO WATER RATIO. THE RESIDUAL AMOUNT OF TACK IS DEFINED AS THE REMAINING ASPHALT AFTER THE TACK COAT HAS SET AND ALL WATER HAS EVAPORATED. THE APPLICATION RATE OF THE TACK COAT EMULSION SHALL BE SET AT A RATE THAT ACHIEVES THE SPECIFIED RESIDUAL AMOUNT. TACK COAT SHALL BE APPLIED TO COVER A MINIMUM OF 95% OF THE PAVEMENT SURFACE.
- LEVELING COURSES TO BE ADDED IN AREAS OF MILLING AND RESURFACING AS NECESSARY TO ACHIEVE PROPOSED GRADES.
- JOINTS BETWEEN NEW HOT MIX ASPHALT PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH HMA JOINT ADHESIVE AND BACK SANDED.
- EXISTING SUBGRADE MAY BE REUSED IN PLACE OF SPECIAL BORROW AS DIRECTED BY ENGINEER. PROPER INSPECTION AND TESTING SHALL BE CONDUCTED AS REQUIRED IN ORDER TO DETERMINE SUITABLY.
- PAVEMENT DESIGN WILL BE FINALIZED AFTER CORING WORK IS COMPLETED IN SPRING OF 2026.



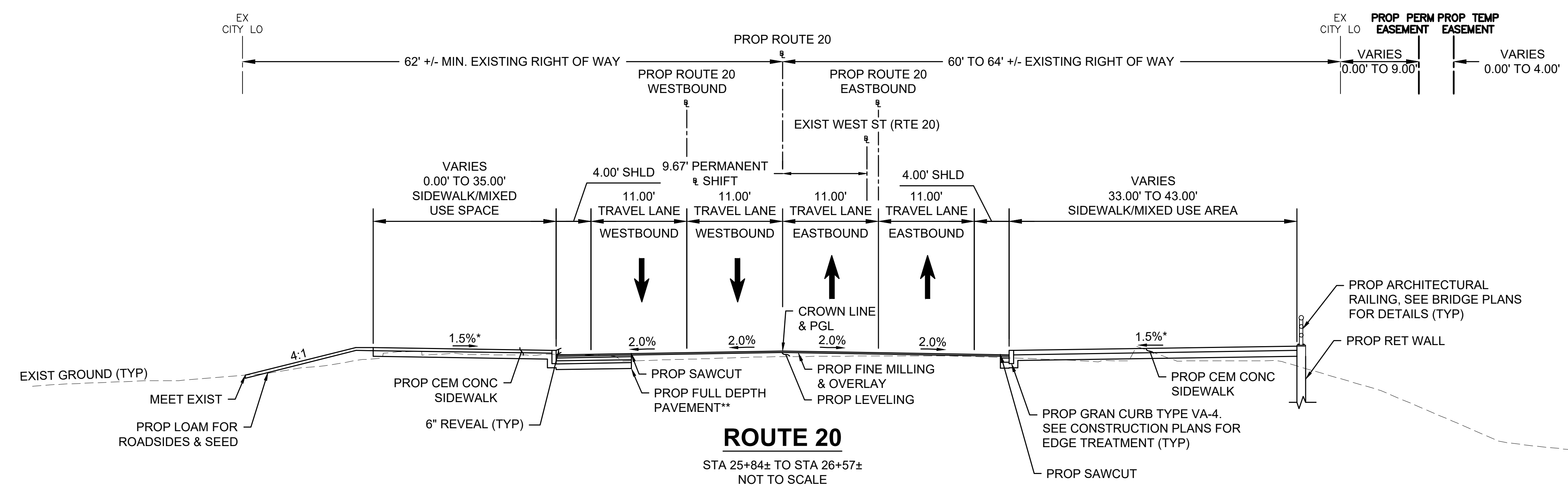
* = TOLERANCE FOR CONSTRUCTION ± 0.5%
 ** = SEE CONSTRUCTION PLANS FOR FULL DEPTH PAVEMENT LIMITS

ROUTE 20
 STA 13+72± TO STA 14+00±
 NOT TO SCALE

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

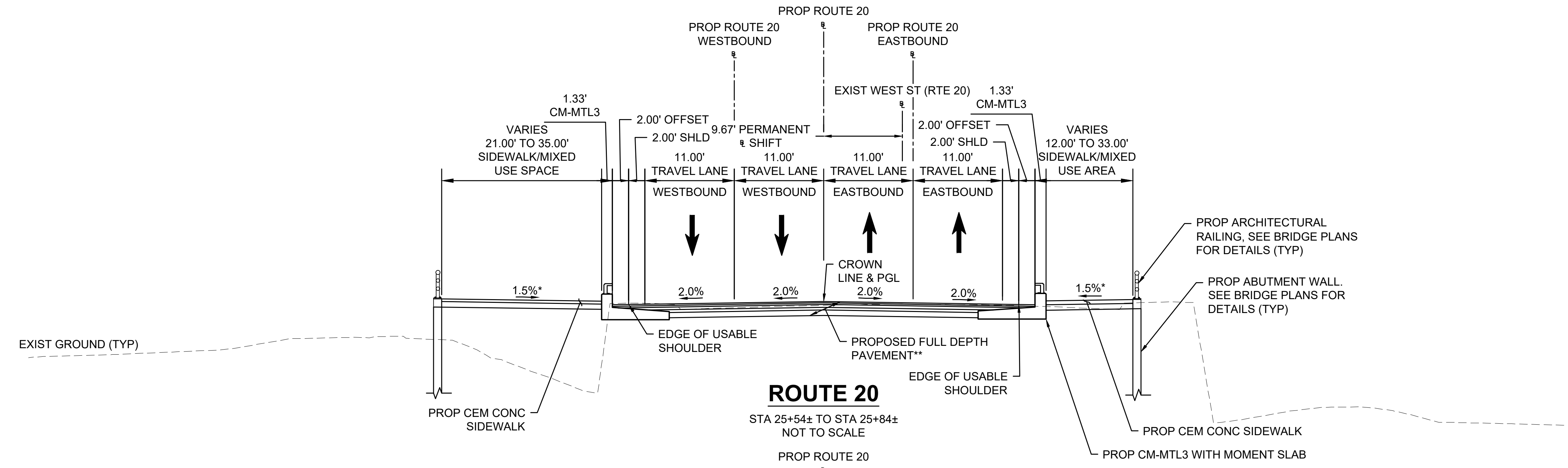
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	6	104
PROJECT FILE NO.		612494	

TYPICAL SECTIONS
SHEET 2 OF 5



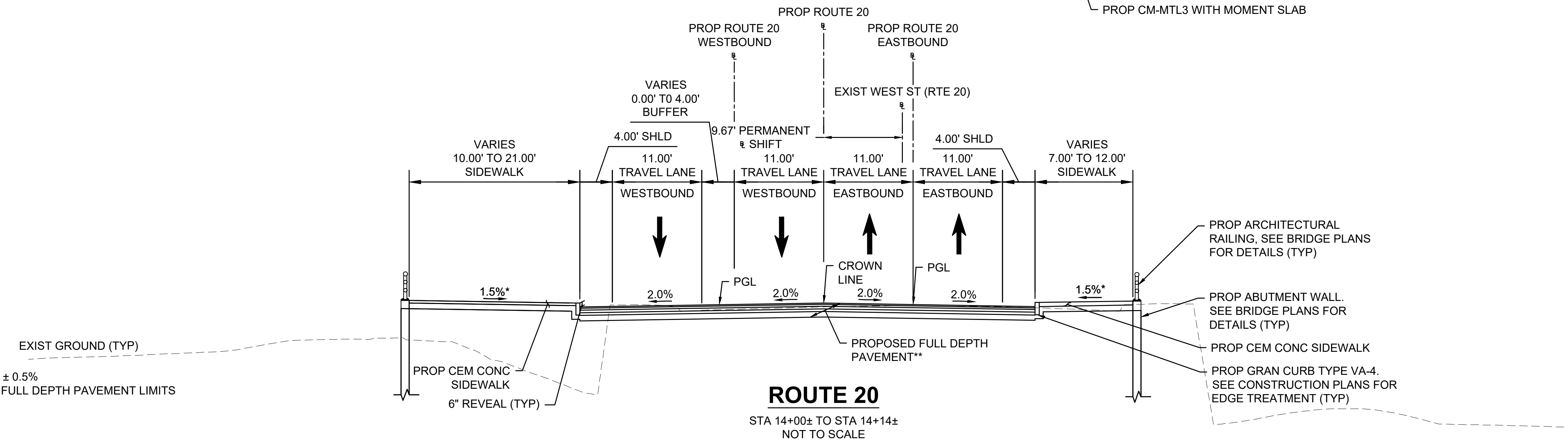
ROUTE 20

STA 25+84± TO STA 26+57±
NOT TO SCALE



ROUTE 20

STA 25+54± TO STA 25+84±
NOT TO SCALE



ROUTE 20

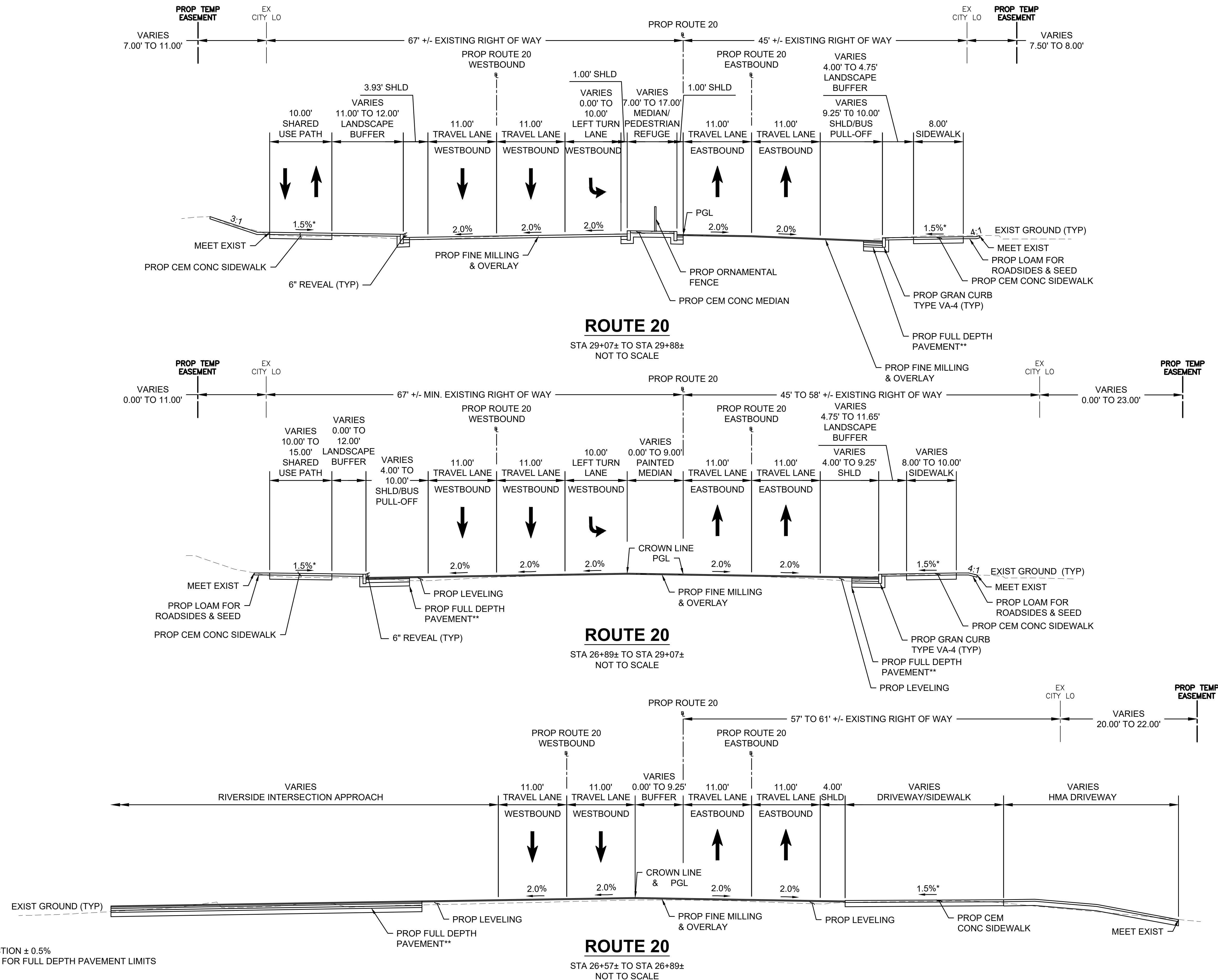
STA 14+00± TO STA 14+14±
NOT TO SCALE

* = TOLERANCE FOR CONSTRUCTION ± 0.5%
** = SEE CONSTRUCTION PLANS FOR FULL DEPTH PAVEMENT LIMITS

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	104
PROJECT FILE NO.		612494	

TYPICAL SECTIONS
SHEET 3 OF 5

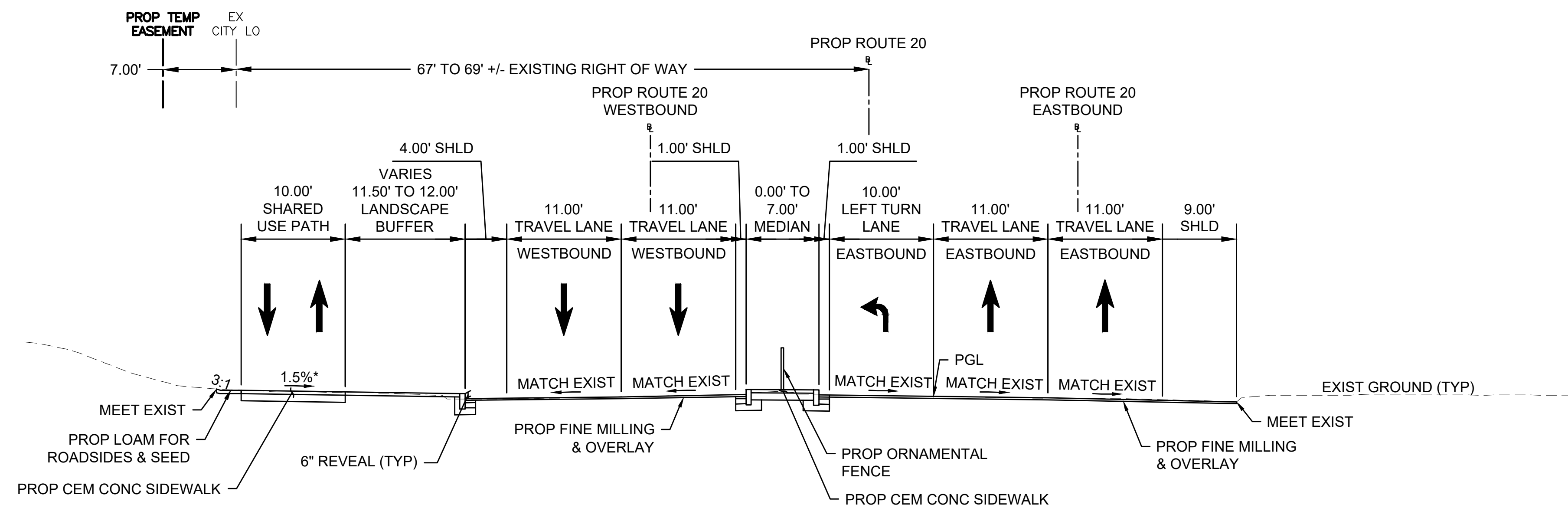


* = TOLERANCE FOR CONSTRUCTION ± 0.5%
** = SEE CONSTRUCTION PLANS FOR FULL DEPTH PAVEMENT LIMITS

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

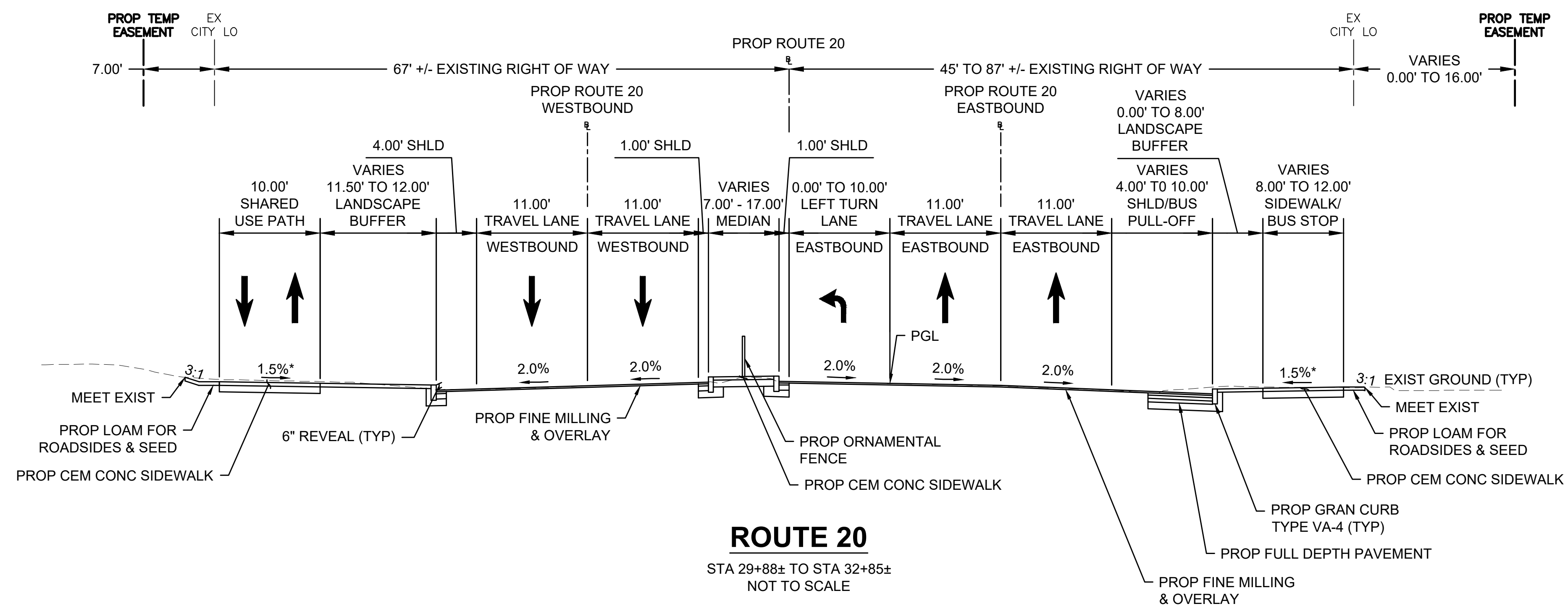
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	8	104
PROJECT FILE NO.		612494	

TYPICAL SECTIONS
SHEET 4 OF 5



ROUTE 20

STA 32+85± TO STA 33+99±
NOT TO SCALE



ROUTE 20

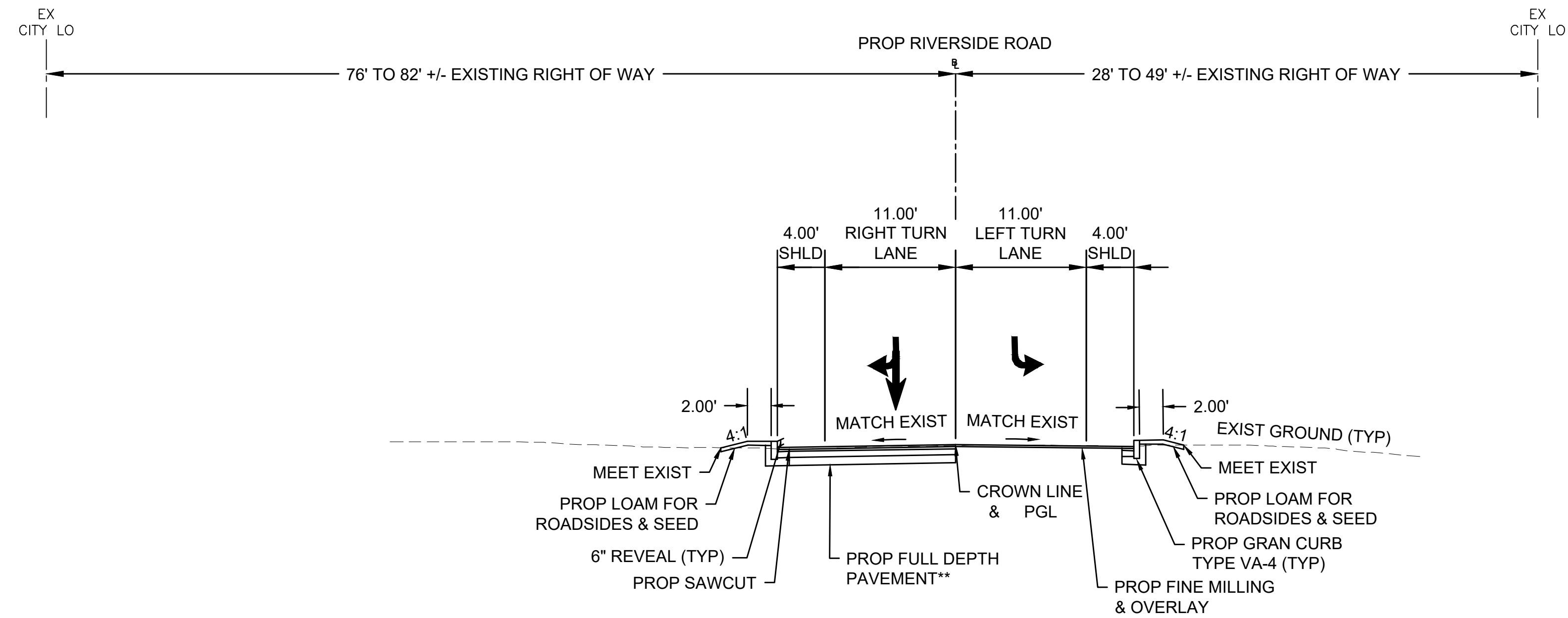
STA 29+88± TO STA 32+85±
NOT TO SCALE

* = TOLERANCE FOR CONSTRUCTION ± 0.5%
** = SEE CONSTRUCTION PLANS FOR FULL DEPTH PAVEMENT LIMITS

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

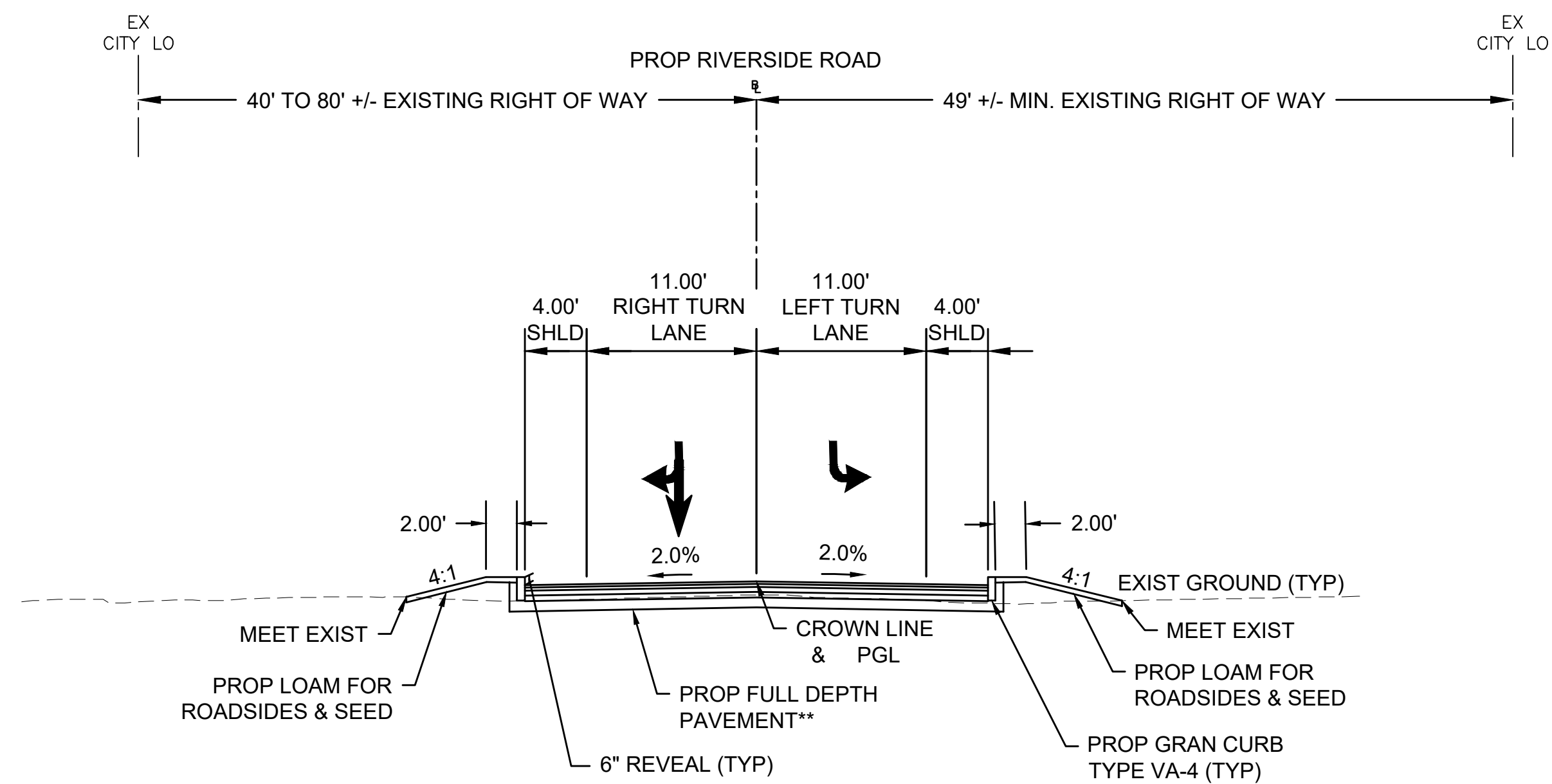
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	9	104
PROJECT FILE NO.		612494	

TYPICAL SECTIONS
SHEET 5 OF 5



RIVERSIDE ROAD

STA 3001+29± TO STA 3002+00±
NOT TO SCALE



RIVERSIDE ROAD

STA 3000+39± TO STA 3001+29±
NOT TO SCALE

* = TOLERANCE FOR CONSTRUCTION ± 0.5%
** = SEE CONSTRUCTION PLANS FOR FULL DEPTH PAVEMENT LIMITS

HIGHWAY GUARD DETAILS

EB 100+90 TO EB 101+40 RT (GUARDRAIL, TL-3)
EB 101+40 TO EB 101+65 RT (TRANSITION TO BRIDGE RAIL)
EB 100+90 RT (TRAILING ANCHORAGE)
WB 201+00 TO WB 201+16 RT (TRANSITION TO NCHRP 350)
WB 201+16 TO WB 201+58 RT (TRANSITION TO BRIDGE RAIL)

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

DRAINAGE DETAILS

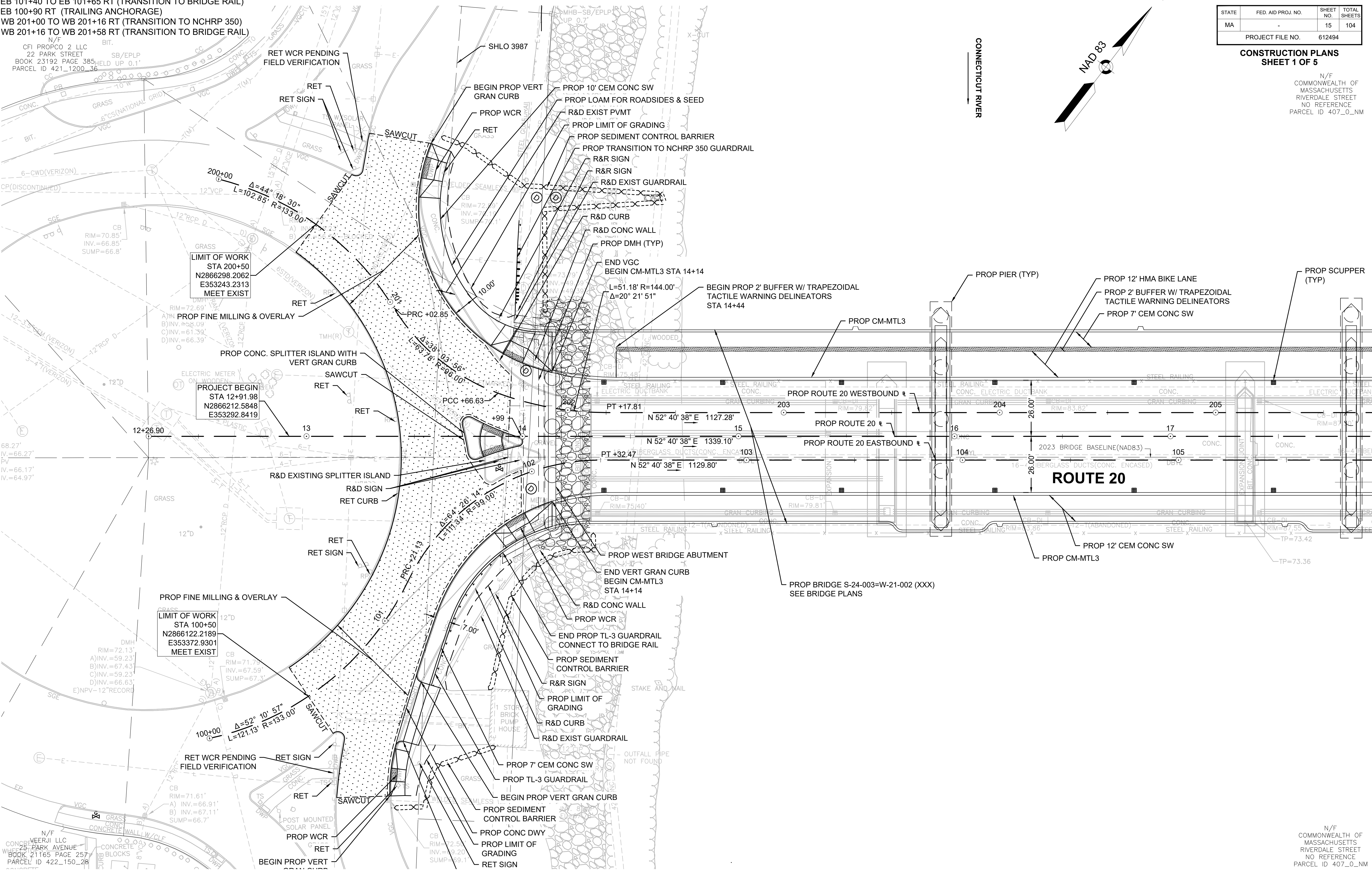
NONE

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		15	104
PROJECT FILE NO.		612494	

CONSTRUCTION PLANS
SHEET 1 OF 5

N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM



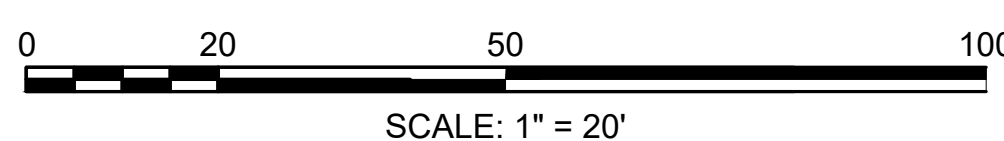
CFI PROPOCO 2 LLC
22 PARK STREET
BOOK 23192 PAGE 385
PARCEL ID 421_1200_36

LIMIT OF WORK
STA 200+50
N2866298.2062
E353243.2313
MEET EXIST

PROJECT BEGIN
STA 12+91.98
N2866212.5848
E353292.8419

LIMIT OF WORK
STA 100+50
N2866122.2189
E353372.9301
MEET EXIST

N/F
VEERJIL LLC
25 PARK AVENUE
BOOK 21165 PAGE 257
PARCEL ID 422_150_28



CONTINUED ON
SHEET NO. 16

N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

HIGHWAY GUARD DETAILS

TRAFFIC SIGNAL CONDUIT

WATER SUPPLY ALTERATIONS

DRAINAGE DETAILS

NONE

NONE

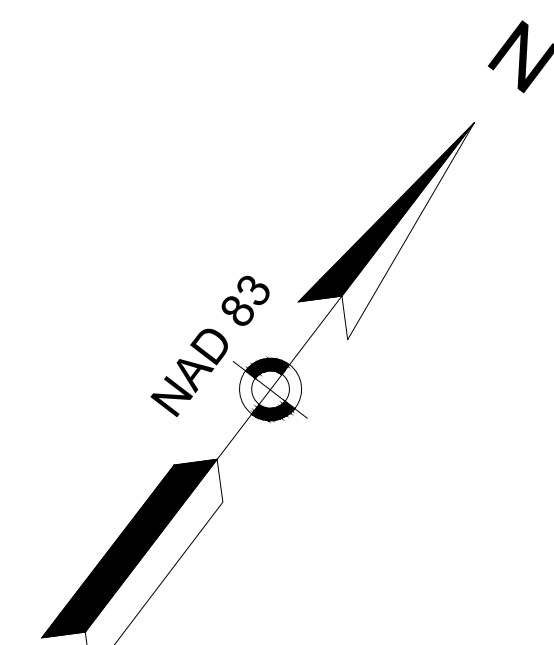
NONE

NONE

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

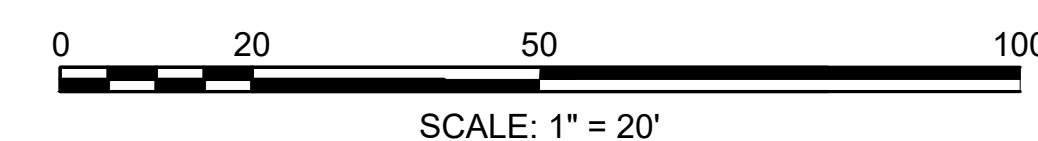
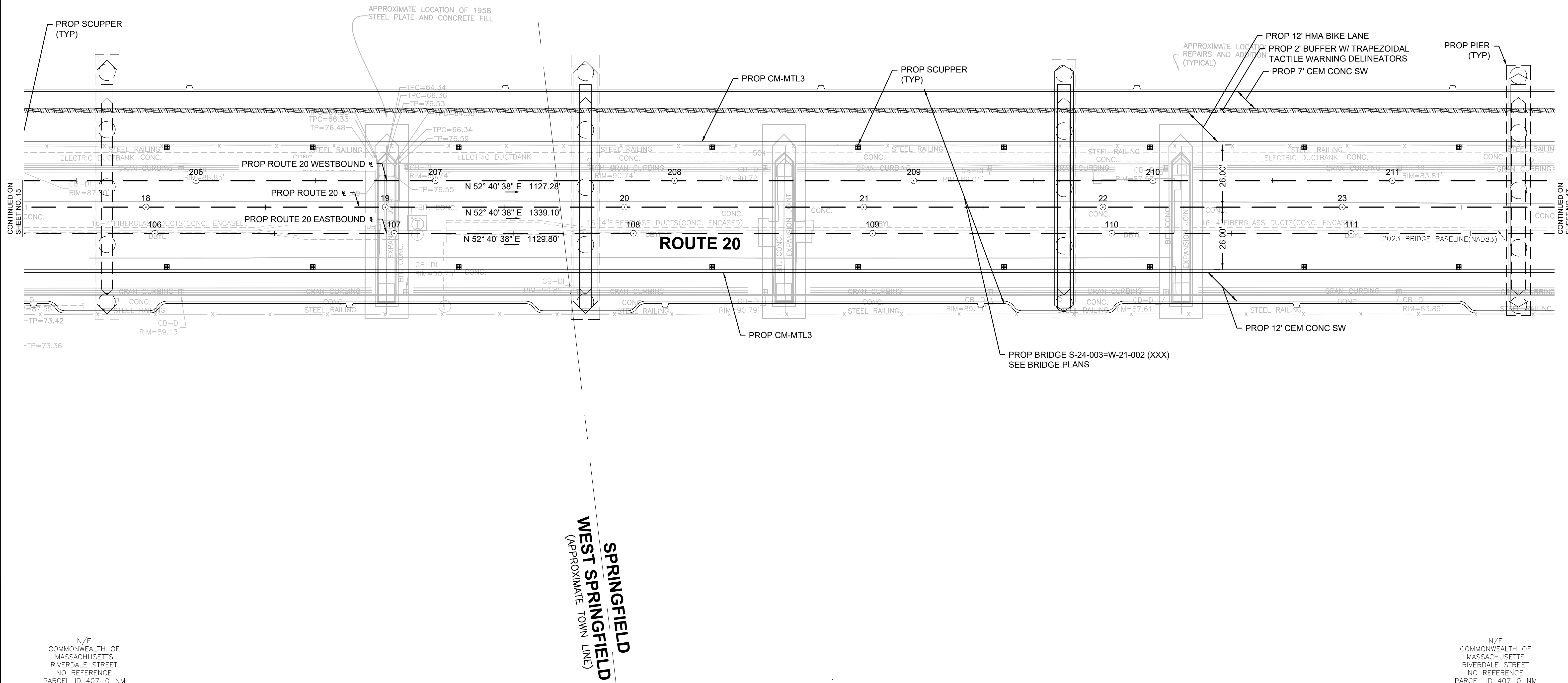
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	16	104
PROJECT FILE NO.		612494	

CONSTRUCTION PLANS
SHEET 2 OF 5



N/F
COMMONWEALTH OF
MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

N/F
COMMONWEALTH OF
MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM



CONTINUED ON
SHEET NO. 15

CONTINUED ON
SHEET NO. 17

N/F
COMMONWEALTH OF
MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

N/F
COMMONWEALTH OF
MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

HIGHWAY GUARD DETAILS

TRAFFIC SIGNAL CONDUIT

WATER SUPPLY ALTERATIONS

DRAINAGE DETAILS

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		17	104
PROJECT FILE NO.		612494	

CONSTRUCTION PLANS
SHEET 3 OF 5

N/F
EDGEWATER TOWER LLC
34 WEST STREET
BOOK 23252 PAGE 307
PARCEL ID 121450025

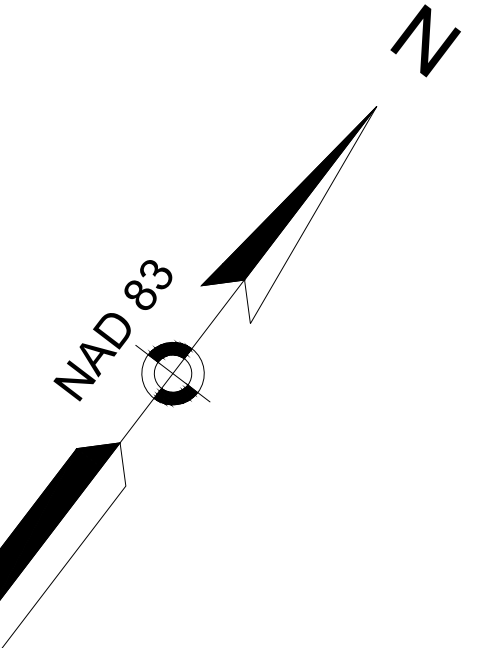
NONE

NONE

NONE

NONE

CONTINUED ON
SHEET NO. 19



N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

N/F
CITY OF SPRINGFIELD
WEST STREET
NO REFERENCE
PARCEL ID 102750003

N/F
CITY OF SPRINGFIELD
121 WEST STREET
NO REFERENCE
PARCEL ID 121450050

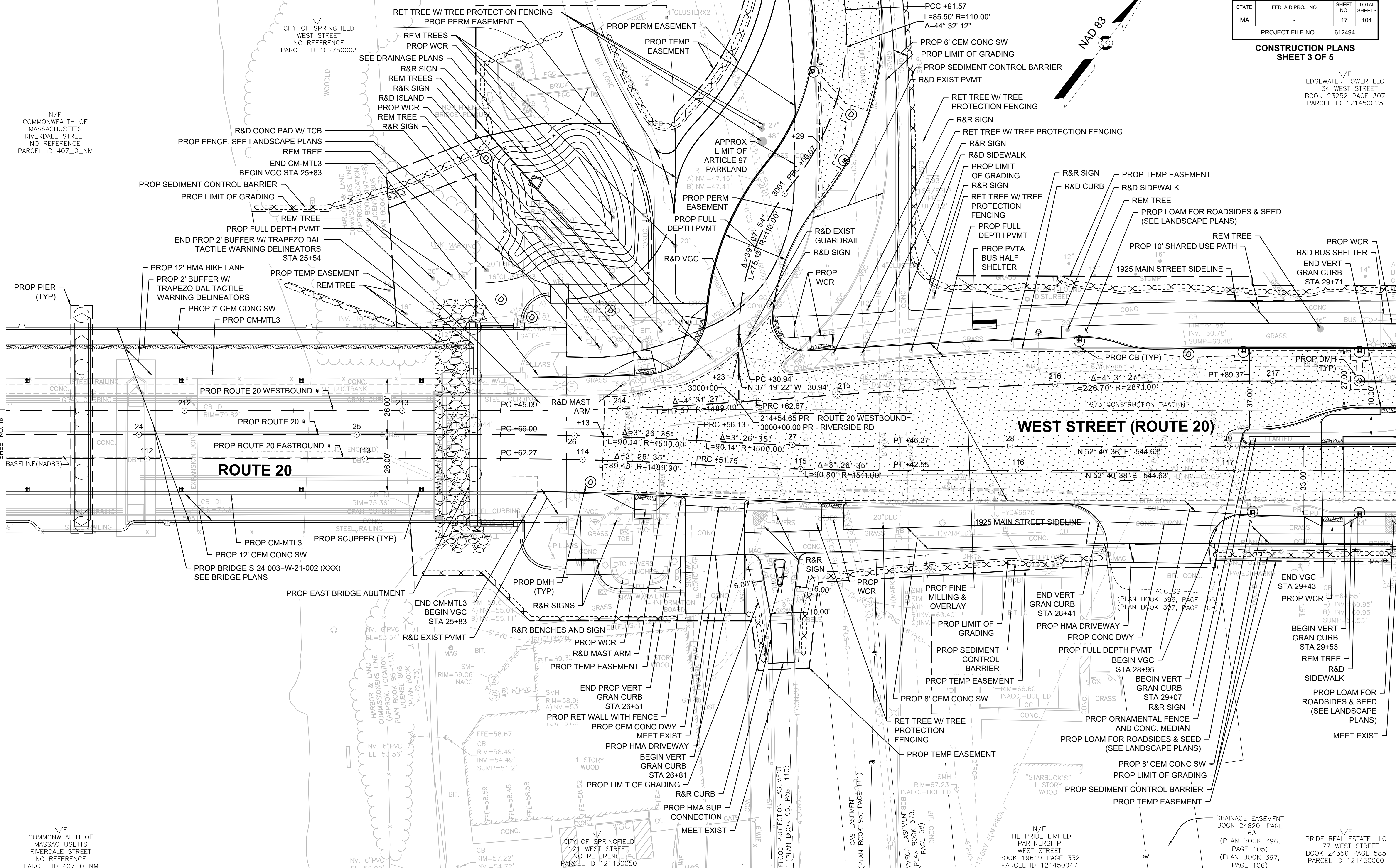
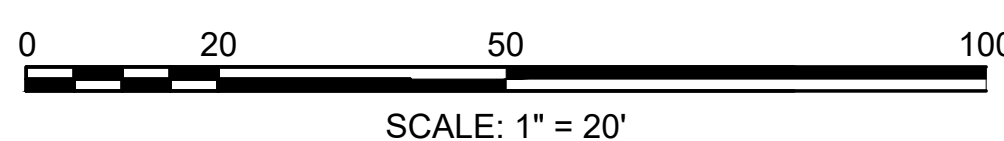
N/F
THE PRIDE LIMITED PARTNERSHIP
WEST STREET
BOOK 19619 PAGE 332
PARCEL ID 121450047

DRAINAGE EASEMENT
BOOK 24820, PAGE 163
(PLAN BOOK 396, PAGE 105)
(PLAN BOOK 397, PAGE 106)

N/F
PRIDE REAL ESTATE LLC
77 WEST STREET
BOOK 24356 PAGE 585
PARCEL ID 121450060

CONTINUED ON
SHEET NO. 16

CONTINUED ON
SHEET NO. 18



HIGHWAY GUARD DETAILS

TRAFFIC SIGNAL CONDUIT

WATER SUPPLY ALTERATIONS

DRAINAGE DETAILS

NONE

NONE

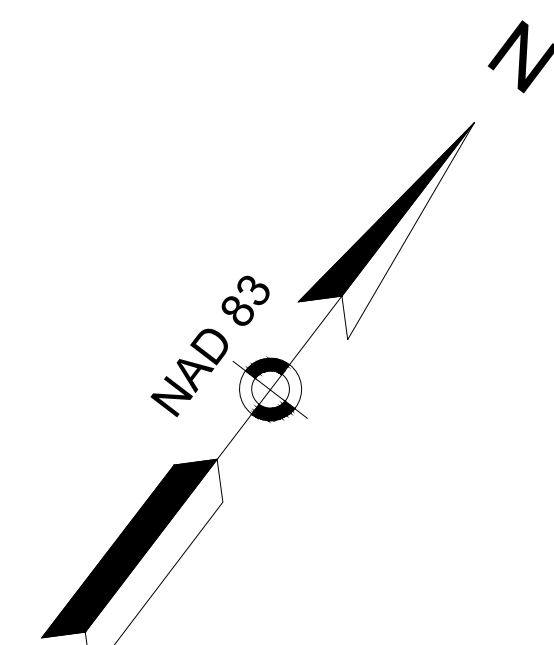
NONE

NONE

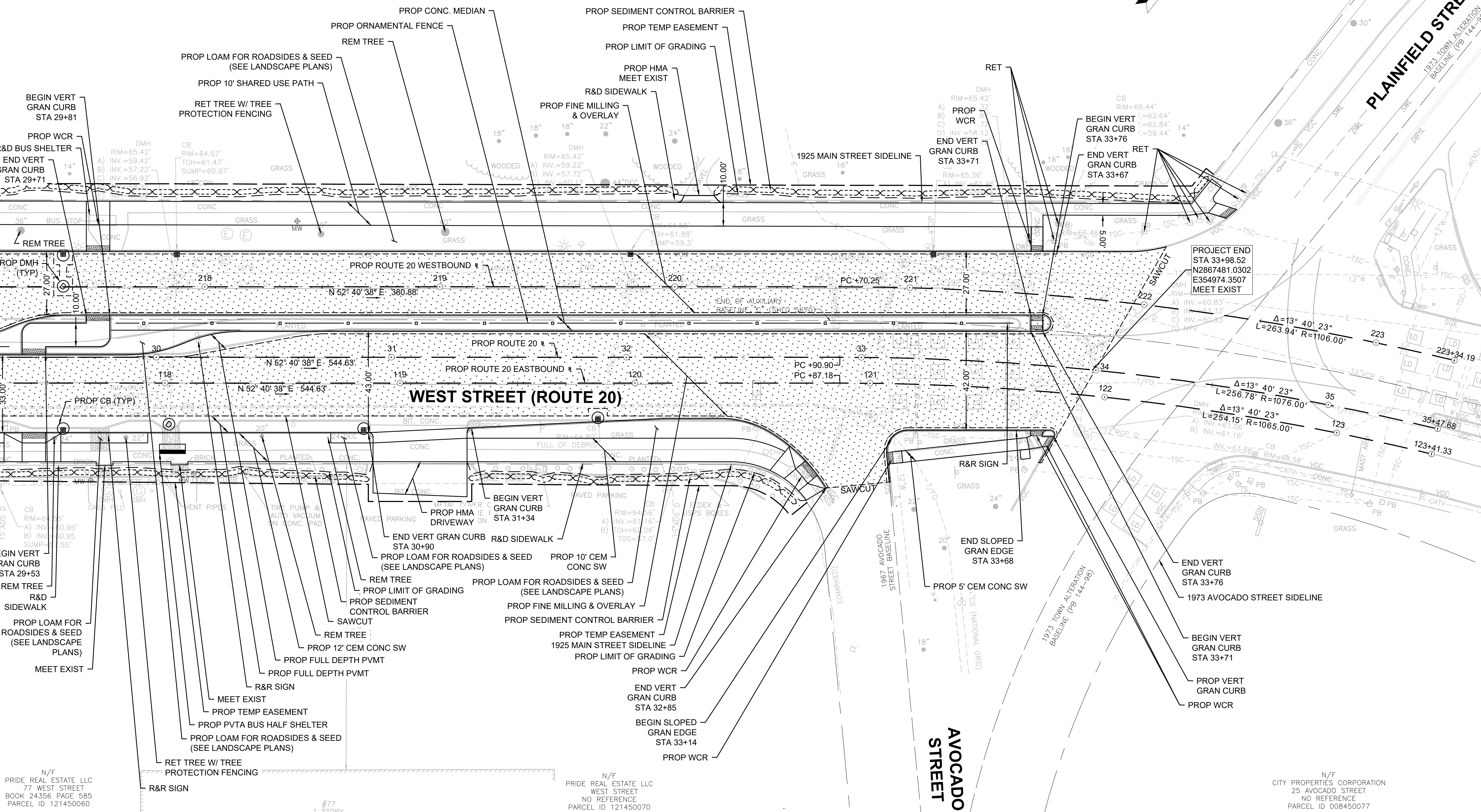
SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		18	104
PROJECT FILE NO.		612494	

CONSTRUCTION PLANS
SHEET 4 OF 5



N/F
EDGEWATER TOWER LLC
34 WEST STREET
BOOK 23252 PAGE 307
PARCEL ID 121450025



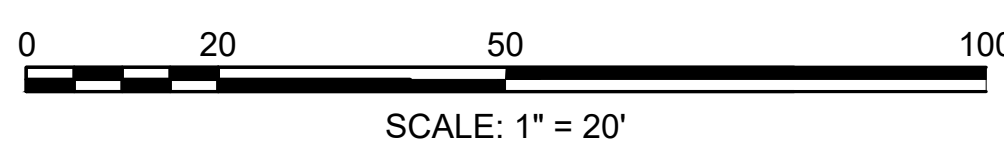
CONTINUED ON SHEET NO. 17

BEGIN VERT GRAN CURB STA 29+53
REM TREE
R&D SIDEWALK
PROP LOAM FOR ROADSIDES & SEED (SEE LANDSCAPE PLANS)
MEET EXIST

N/F
PRIDE REAL ESTATE LLC
77 WEST STREET
BOOK 24356 PAGE 585
PARCEL ID 121450060

N/F
PRIDE REAL ESTATE LLC
WEST STREET
NO REFERENCE
PARCEL ID 121450070

N/F
CITY PROPERTIES CORPORATION
25 AVOCADO STREET
NO REFERENCE
PARCEL ID 008450077



HIGHWAY GUARD DETAILS

NONE

TRAFFIC SIGNAL CONDUIT

NONE

WATER SUPPLY ALTERATIONS

NONE

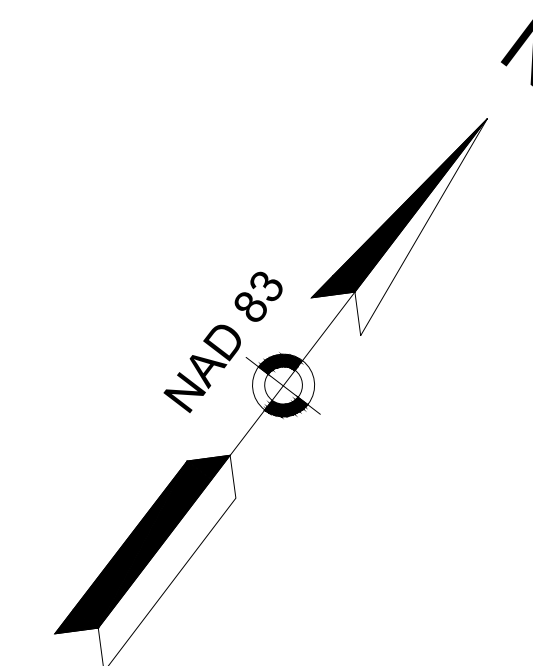
DRAINAGE DETAILS

NONE

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	19	104
PROJECT FILE NO.		612494	

CONSTRUCTION PLANS
SHEET 5 OF 5

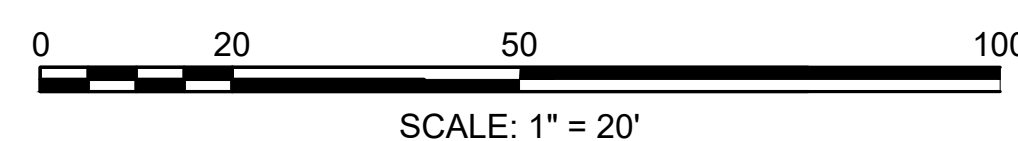


N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

N/F
CITY OF SPRINGFIELD
WEST STREET
NO REFERENCE
PARCEL ID 102750003

LIMIT OF WORK
STA 3002+00
N2867242.3794
E354307.7937
MEET EXIST

N/F
EDGEWATER TOWER LLC
34 WEST STREET
BOOK 23252 PAGE 307
PARCEL ID 121450025



CONTINUED ON
SHEET NO. 17

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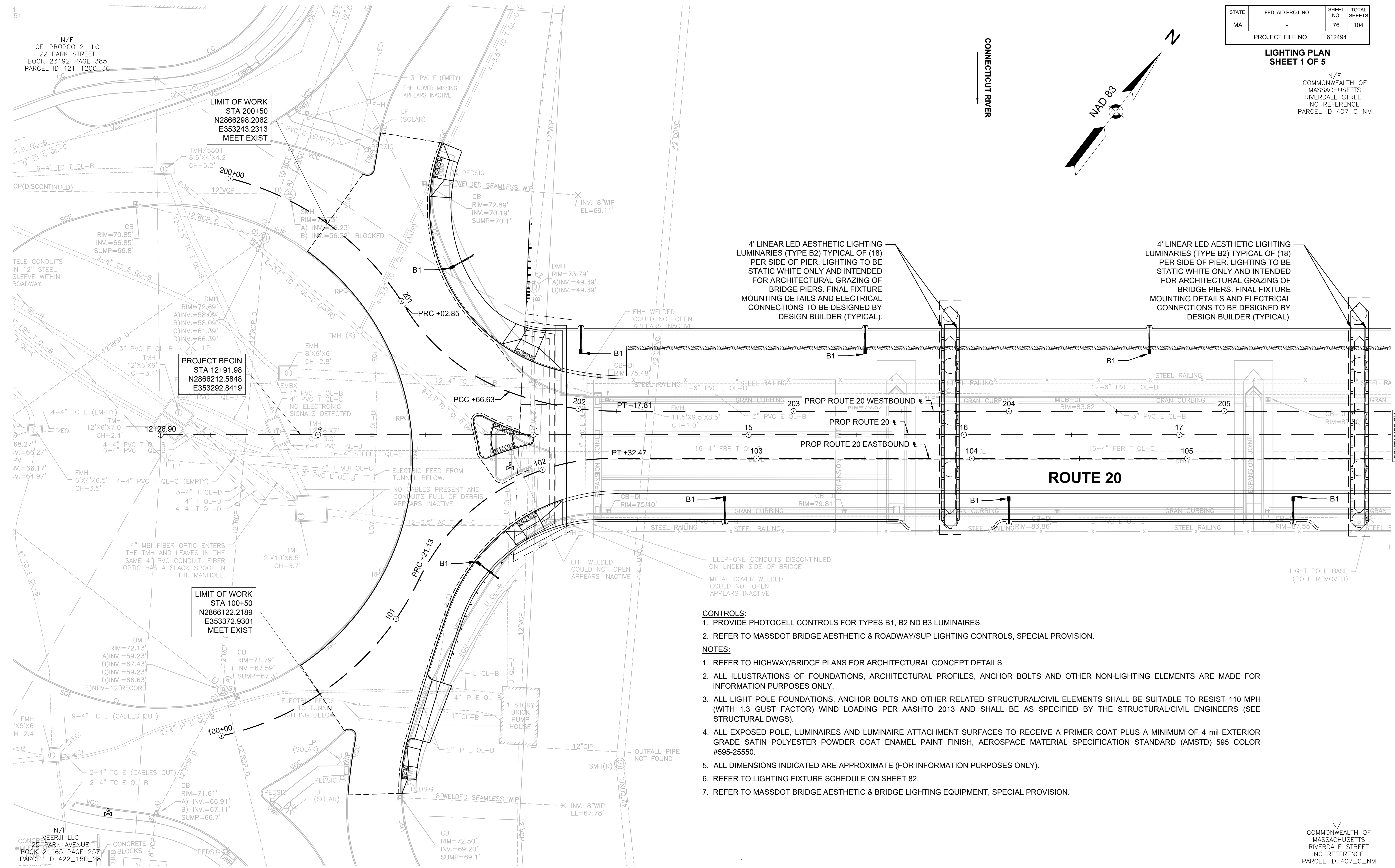
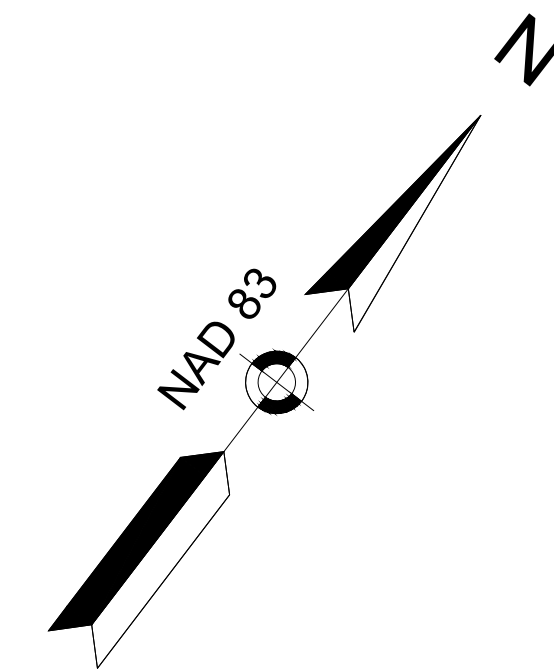
**SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		76	104
PROJECT FILE NO.		612494	

**LIGHTING PLAN
SHEET 1 OF 5**

N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

CONNECTICUT RIVER



4' LINEAR LED AESTHETIC LIGHTING LUMINARIES (TYPE B2) TYPICAL OF (18) PER SIDE OF PIER. LIGHTING TO BE STATIC WHITE ONLY AND INTENDED FOR ARCHITECTURAL GRAZING OF BRIDGE PIERS. FINAL FIXTURE MOUNTING DETAILS AND ELECTRICAL CONNECTIONS TO BE DESIGNED BY DESIGN BUILDER (TYPICAL).

4' LINEAR LED AESTHETIC LIGHTING LUMINARIES (TYPE B2) TYPICAL OF (18) PER SIDE OF PIER. LIGHTING TO BE STATIC WHITE ONLY AND INTENDED FOR ARCHITECTURAL GRAZING OF BRIDGE PIERS. FINAL FIXTURE MOUNTING DETAILS AND ELECTRICAL CONNECTIONS TO BE DESIGNED BY DESIGN BUILDER (TYPICAL).

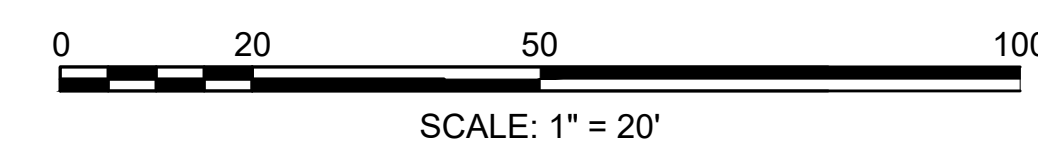
ROUTE 20

CONTROLS:

1. PROVIDE PHOTOCELL CONTROLS FOR TYPES B1, B2 ND B3 LUMINAIRES.
2. REFER TO MASSDOT BRIDGE AESTHETIC & ROADWAY/SUP LIGHTING CONTROLS, SPECIAL PROVISION.

NOTES:

1. REFER TO HIGHWAY/BRIDGE PLANS FOR ARCHITECTURAL CONCEPT DETAILS.
2. ALL ILLUSTRATIONS OF FOUNDATIONS, ARCHITECTURAL PROFILES, ANCHOR BOLTS AND OTHER NON-LIGHTING ELEMENTS ARE MADE FOR INFORMATION PURPOSES ONLY.
3. ALL LIGHT POLE FOUNDATIONS, ANCHOR BOLTS AND OTHER RELATED STRUCTURAL/CIVIL ELEMENTS SHALL BE SUITABLE TO RESIST 110 MPH (WITH 1.3 GUST FACTOR) WIND LOADING PER AASHTO 2013 AND SHALL BE AS SPECIFIED BY THE STRUCTURAL/CIVIL ENGINEERS (SEE STRUCTURAL DWGS).
4. ALL EXPOSED POLE, LUMINAIRES AND LUMINAIRE ATTACHMENT SURFACES TO RECEIVE A PRIMER COAT PLUS A MINIMUM OF 4 mil EXTERIOR GRADE SATIN POLYESTER POWDER COAT ENAMEL PAINT FINISH, AEROSPACE MATERIAL SPECIFICATION STANDARD (AMSTD) 595 COLOR #595-25550.
5. ALL DIMENSIONS INDICATED ARE APPROXIMATE (FOR INFORMATION PURPOSES ONLY).
6. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET 82.
7. REFER TO MASSDOT BRIDGE AESTHETIC & BRIDGE LIGHTING EQUIPMENT, SPECIAL PROVISION.



N/F
CFI PROPO 2 LLC
22 PARK STREET
BOOK 23192 PAGE 385
PARCEL ID 421_1200_36

LIMIT OF WORK
STA 200+50
N2866298.2062
E353243.2313
MEET EXIST

PROJECT BEGIN
STA 12+91.98
N2866212.5848
E353292.8419

LIMIT OF WORK
STA 100+50
N2866122.2189
E353372.9301
MEET EXIST

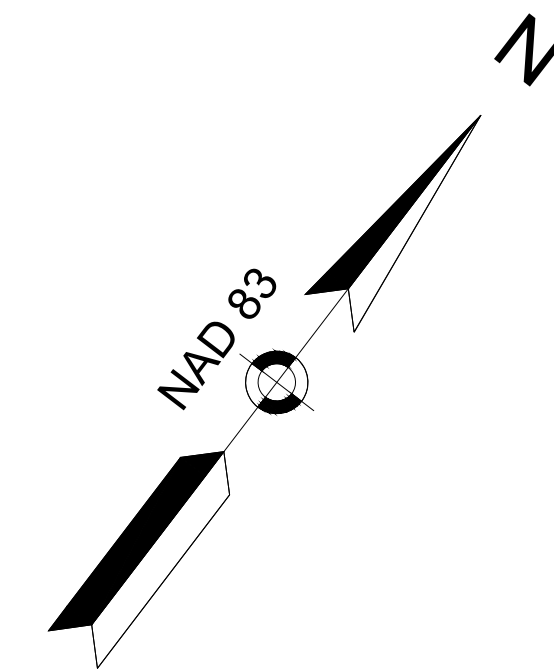
N/F
CONCRETE VEERJI LLC
25 PARK AVENUE
BOOK 21165 PAGE 257
PARCEL ID 422_150_28

CONTINUED ON
SHEET NO. 77

**SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER**

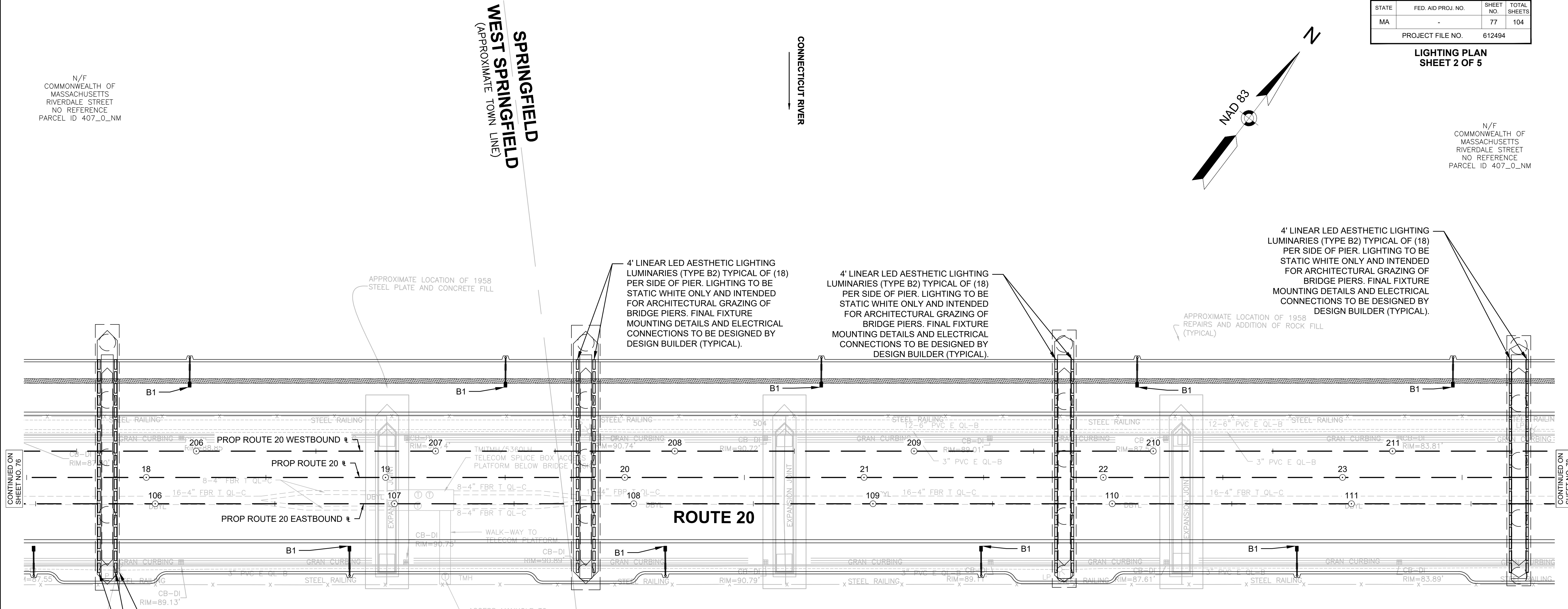
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	77	104
PROJECT FILE NO.		612494	

**LIGHTING PLAN
SHEET 2 OF 5**



N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM



4' LINEAR LED AESTHETIC LIGHTING LUMINARIES (TYPE B2) TYPICAL OF (18) PER SIDE OF PIER. LIGHTING TO BE STATIC WHITE ONLY AND INTENDED FOR ARCHITECTURAL GRAZING OF BRIDGE PIERS. FINAL FIXTURE MOUNTING DETAILS AND ELECTRICAL CONNECTIONS TO BE DESIGNED BY DESIGN BUILDER (TYPICAL).

4' LINEAR LED AESTHETIC LIGHTING LUMINARIES (TYPE B2) TYPICAL OF (18) PER SIDE OF PIER. LIGHTING TO BE STATIC WHITE ONLY AND INTENDED FOR ARCHITECTURAL GRAZING OF BRIDGE PIERS. FINAL FIXTURE MOUNTING DETAILS AND ELECTRICAL CONNECTIONS TO BE DESIGNED BY DESIGN BUILDER (TYPICAL).

4' LINEAR LED AESTHETIC LIGHTING LUMINARIES (TYPE B2) TYPICAL OF (18) PER SIDE OF PIER. LIGHTING TO BE STATIC WHITE ONLY AND INTENDED FOR ARCHITECTURAL GRAZING OF BRIDGE PIERS. FINAL FIXTURE MOUNTING DETAILS AND ELECTRICAL CONNECTIONS TO BE DESIGNED BY DESIGN BUILDER (TYPICAL).

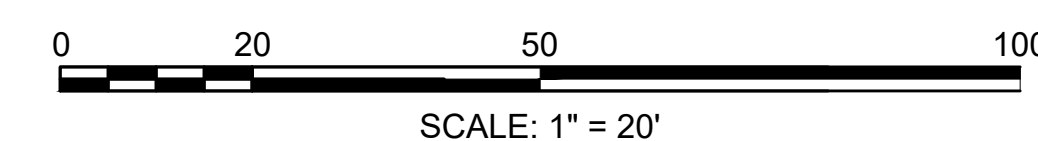
4' LINEAR LED AESTHETIC LIGHTING LUMINARIES (TYPE B2) TYPICAL OF (18) PER SIDE OF PIER. LIGHTING TO BE STATIC WHITE ONLY AND INTENDED FOR ARCHITECTURAL GRAZING OF BRIDGE PIERS. FINAL FIXTURE MOUNTING DETAILS AND ELECTRICAL CONNECTIONS TO BE DESIGNED BY DESIGN BUILDER (TYPICAL).

CONTROLS:

1. PROVIDE PHOTOCCELL CONTROLS FOR TYPES B1, B2 ND B3 LUMINAIRES.
2. REFER TO MASSDOT BRIDGE AESTHETIC & ROADWAY/SUP LIGHTING CONTROLS, SPECIAL PROVISION.

NOTES:

1. REFER TO HIGHWAY/BRIDGE PLANS FOR ARCHITECTURAL CONCEPT DETAILS.
2. ALL ILLUSTRATIONS OF FOUNDATIONS, ARCHITECTURAL PROFILES, ANCHOR BOLTS AND OTHER NON-LIGHTING ELEMENTS ARE MADE FOR INFORMATION PURPOSES ONLY.
3. ALL LIGHT POLE FOUNDATIONS, ANCHOR BOLTS AND OTHER RELATED STRUCTURAL/CIVIL ELEMENTS SHALL BE SUITABLE TO RESIST 110 MPH (WITH 1.3 GUST FACTOR) WIND LOADING PER AASHTO 2013 AND SHALL BE AS SPECIFIED BY THE STRUCTURAL/CIVIL ENGINEERS (SEE STRUCTURAL DWGS).
4. ALL EXPOSED POLE, LUMINAIRES AND LUMINAIRE ATTACHMENT SURFACES TO RECEIVE A PRIMER COAT PLUS A MINIMUM OF 4 mil EXTERIOR GRADE SATIN POLYESTER POWDER COAT ENAMEL PAINT FINISH, AEROSPACE MATERIAL SPECIFICATION STANDARD (AMSTD) 595 COLOR #595-25550.
5. ALL DIMENSIONS INDICATED ARE APPROXIMATE (FOR INFORMATION PURPOSES ONLY).
6. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET 82.
7. REFER TO MASSDOT BRIDGE AESTHETIC & BRIDGE LIGHTING EQUIPMENT, SPECIAL PROVISION.



N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

N/F
COMMONWEALTH OF MASSACHUSETTS
RIVERDALE STREET
NO REFERENCE
PARCEL ID 407_0_NM

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	78	104
PROJECT FILE NO.		612494	

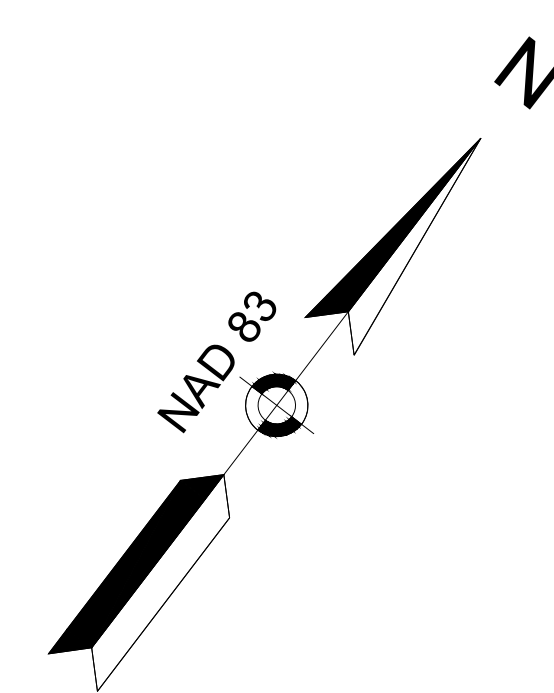
LIGHTING PLAN
SHEET 3 OF 5

CONTROLS:

1. PROVIDE PHOTOCCELL CONTROLS FOR TYPES B1, B2 ND B3 LUMINAIRES.
2. REFER TO MASSDOT BRIDGE AESTHETIC & ROADWAY/SUP LIGHTING CONTROLS, SPECIAL PROVISION.

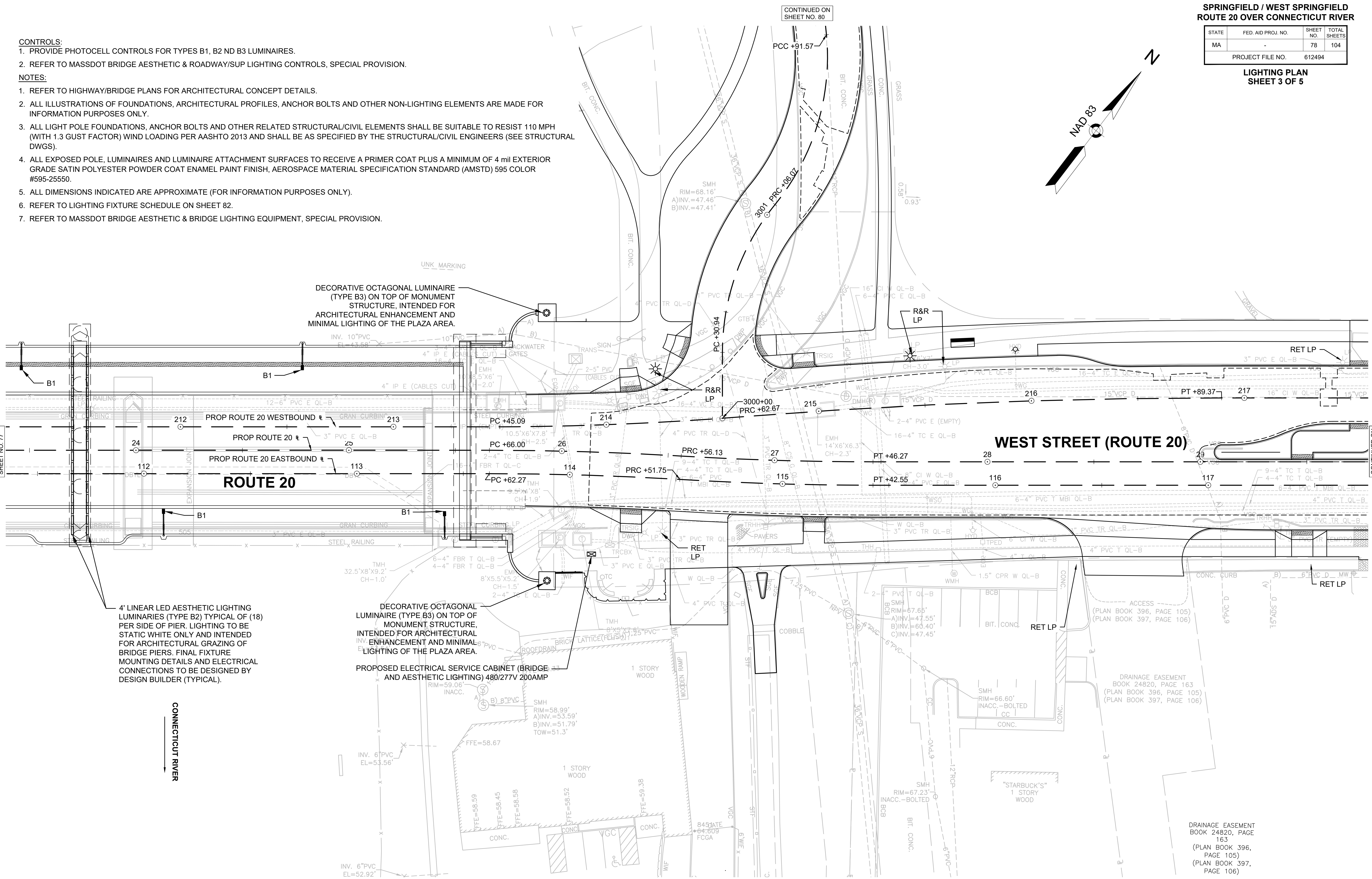
NOTES:

1. REFER TO HIGHWAY/BRIDGE PLANS FOR ARCHITECTURAL CONCEPT DETAILS.
2. ALL ILLUSTRATIONS OF FOUNDATIONS, ARCHITECTURAL PROFILES, ANCHOR BOLTS AND OTHER NON-LIGHTING ELEMENTS ARE MADE FOR INFORMATION PURPOSES ONLY.
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4. ALL EXPOSED POLE, LUMINAIRES AND LUMINAIRE ATTACHMENT SURFACES TO RECEIVE A PRIMER COAT PLUS A MINIMUM OF 4 mil EXTERIOR GRADE SATIN POLYESTER POWDER COAT ENAMEL PAINT FINISH, AEROSPACE MATERIAL SPECIFICATION STANDARD (AMSTD) 595 COLOR #595-25550.
5. ALL DIMENSIONS INDICATED ARE APPROXIMATE (FOR INFORMATION PURPOSES ONLY).
6. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET 82.
7. REFER TO MASSDOT BRIDGE AESTHETIC & BRIDGE LIGHTING EQUIPMENT, SPECIAL PROVISION.



CONTINUED ON
SHEET NO. 77

CONTINUED ON
SHEET NO. 79



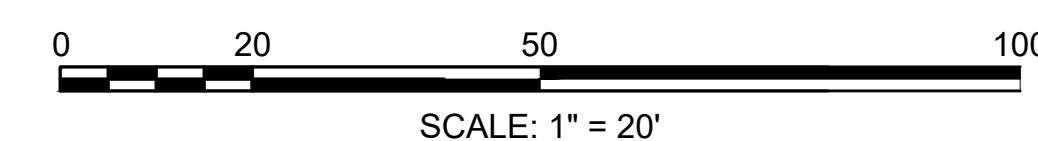
4' LINEAR LED AESTHETIC LIGHTING LUMINAIRES (TYPE B2) TYPICAL OF (18) PER SIDE OF PIER. LIGHTING TO BE STATIC WHITE ONLY AND INTENDED FOR ARCHITECTURAL GRAZING OF BRIDGE PIERS. FINAL FIXTURE MOUNTING DETAILS AND ELECTRICAL CONNECTIONS TO BE DESIGNED BY DESIGN BUILDER (TYPICAL).

DECORATIVE OCTAGONAL LUMINAIRE (TYPE B3) ON TOP OF MONUMENT STRUCTURE. INTENDED FOR ARCHITECTURAL ENHANCEMENT AND MINIMAL LIGHTING OF THE PLAZA AREA.

DECORATIVE OCTAGONAL LUMINAIRE (TYPE B3) ON TOP OF MONUMENT STRUCTURE. INTENDED FOR ARCHITECTURAL ENHANCEMENT AND MINIMAL LIGHTING OF THE PLAZA AREA.

PROPOSED ELECTRICAL SERVICE CABINET (BRIDGE) AND AESTHETIC LIGHTING 480/277V 200AMP

WEST STREET (ROUTE 20)

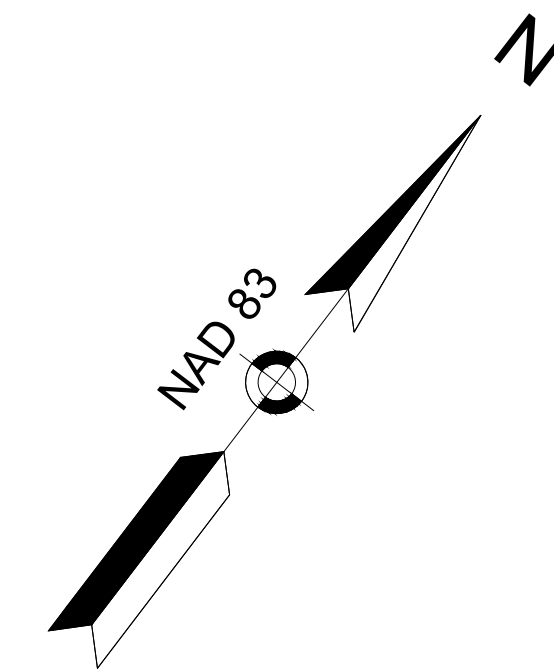


DRAINAGE EASEMENT BOOK 24820, PAGE 163 (PLAN BOOK 396, PAGE 105) (PLAN BOOK 397, PAGE 106)

SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	79	104
PROJECT FILE NO.		612494	

LIGHTING PLAN
SHEET 4 OF 5



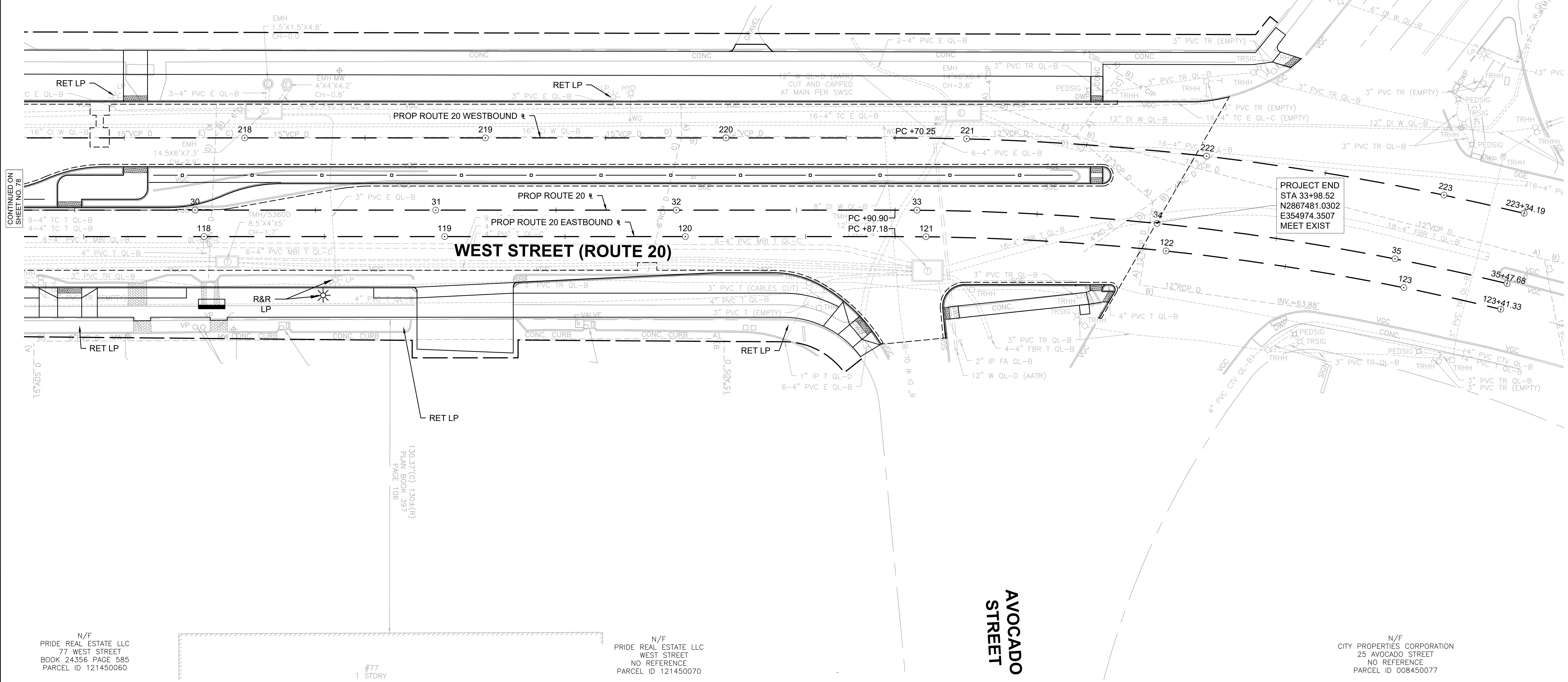
CONTROLS:

1. PROVIDE PHOTOCELL CONTROLS FOR TYPES B1, B2 ND B3 LUMINAIRES.
2. REFER TO MASSDOT BRIDGE AESTHETIC & ROADWAY/SUP LIGHTING CONTROLS, SPECIAL PROVISION.

NOTES:

1. REFER TO HIGHWAY/BRIDGE PLANS FOR ARCHITECTURAL CONCEPT DETAILS.
2. ALL ILLUSTRATIONS OF FOUNDATIONS, ARCHITECTURAL PROFILES, ANCHOR BOLTS AND OTHER NON-LIGHTING ELEMENTS ARE MADE FOR INFORMATION PURPOSES ONLY.
3. ALL LIGHT POLE FOUNDATIONS, ANCHOR BOLTS AND OTHER RELATED STRUCTURAL/CIVIL ELEMENTS SHALL BE SUITABLE TO RESIST 110 MPH (WITH 1.3 GUST FACTOR) WIND LOADING PER AASHTO 2013 AND SHALL BE AS SPECIFIED BY THE STRUCTURAL/CIVIL ENGINEERS (SEE STRUCTURAL DWGS).
4. ALL EXPOSED POLE, LUMINAIRES AND LUMINAIRE ATTACHMENT SURFACES TO RECEIVE A PRIMER COAT PLUS A MINIMUM OF 4 mil EXTERIOR GRADE SATIN POLYESTER POWDER COAT ENAMEL PAINT FINISH, AEROSPACE MATERIAL SPECIFICATION STANDARD (AMSTD) 595 COLOR #595-25550.
5. ALL DIMENSIONS INDICATED ARE APPROXIMATE (FOR INFORMATION PURPOSES ONLY).
6. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET 82.
7. REFER TO MASSDOT BRIDGE AESTHETIC & BRIDGE LIGHTING EQUIPMENT, SPECIAL PROVISION.

N/F
EDGEWATER TOWER LLC
34 WEST STREET
BOOK 23252 PAGE 307
PARCEL ID 121450025



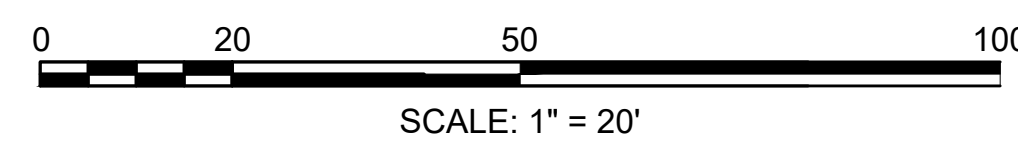
CONTINUED ON
SHEET NO. 78

PROJECT END
STA 33+98.52
N2867481.0302
E354974.3507
MEET EXIST

N/F
PRIDE REAL ESTATE LLC
77 WEST STREET
BOOK 24356 PAGE 585
PARCEL ID 121450060

#77
1 STORY

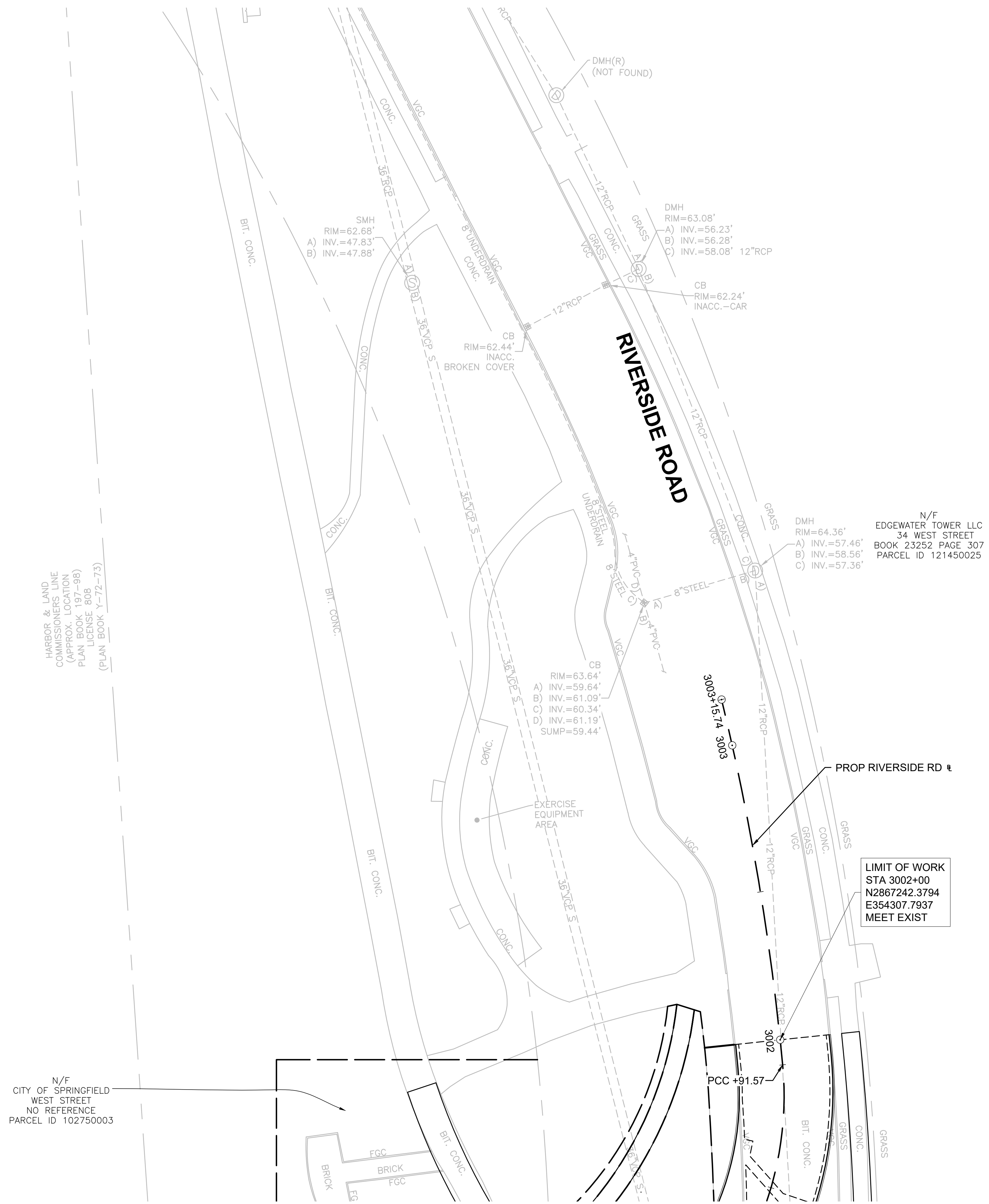
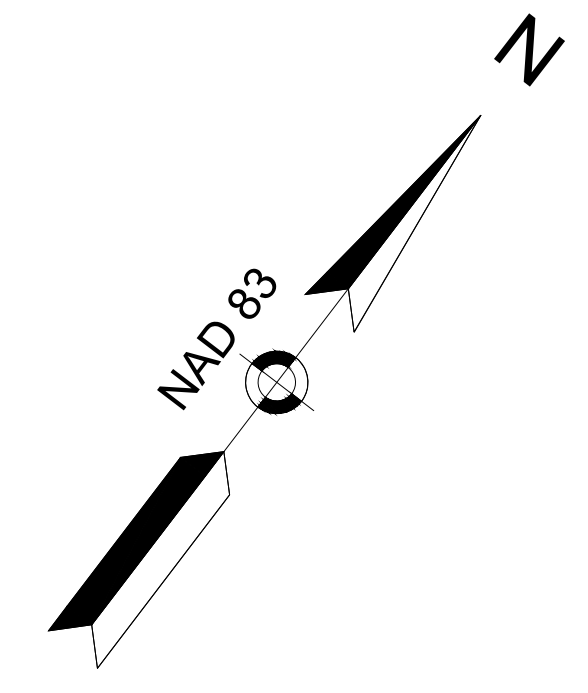
N/F
PRIDE REAL ESTATE LLC
WEST STREET
NO REFERENCE
PARCEL ID 121450070



SPRINGFIELD / WEST SPRINGFIELD
ROUTE 20 OVER CONNECTICUT RIVER

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	80	104
PROJECT FILE NO.		612494	

LIGHTING PLAN
SHEET 5 OF 5



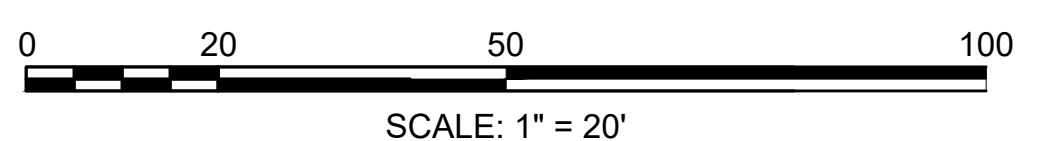
HARBOR & LAND COMMISSIONERS LINE (APPROX. LOCATION PLAN BOOK 197-98) LICENSE 808 (PLAN BOOK Y-72-73)

N/F COMMONWEALTH OF MASSACHUSETTS RIVERDALE STREET NO REFERENCE PARCEL ID 407_0_NM

N/F CITY OF SPRINGFIELD WEST STREET NO REFERENCE PARCEL ID 102750003

LIMIT OF WORK STA 3002+00 N2867242.3794 E354307.7937 MEET EXIST

N/F EDGEWATER TOWER LLC 34 WEST STREET BOOK 23252 PAGE 307 PARCEL ID 121450025



CONTINUED ON SHEET NO. 78