



577 MASSACHUSETTS AVE.

11/01/2023

Prepared by Luis Santana, Consulting Engineer

BOSTON LANDMARKS COMMISSION APPLICATION NUMBER SE 24.0358 SE



SCOPE OF WORK

Remove existing 36" x 60" front bubble skylight and replace it with three flat Velux skylights with non-reflective glass. Replace shingles to match existing around area of new skylights.

Repair/reset front granite stairs.

Replace broken front railing around front garden with simple black iron railing similar to neighbor's property.



EXISTING CONDITIONS









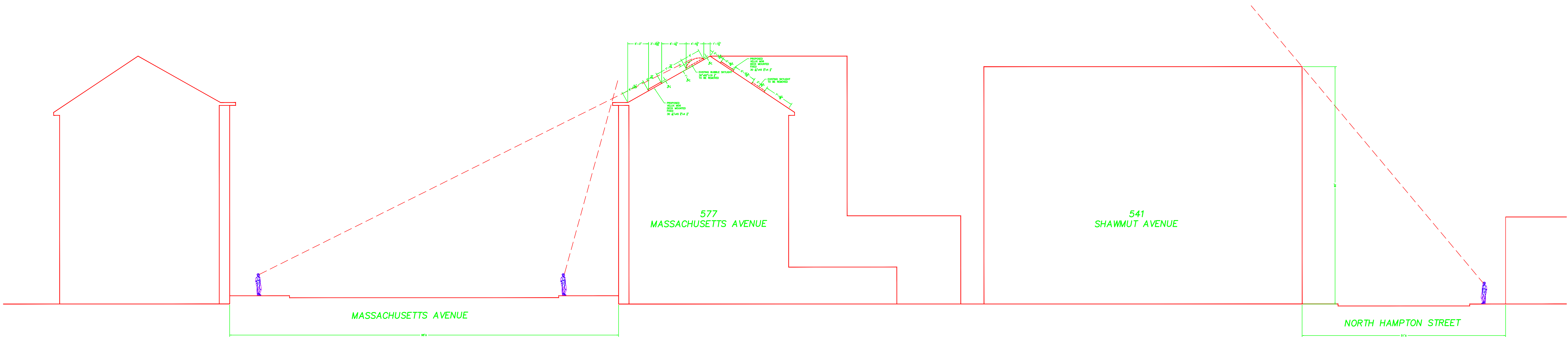








PLANS AND SPECIFICATIONS



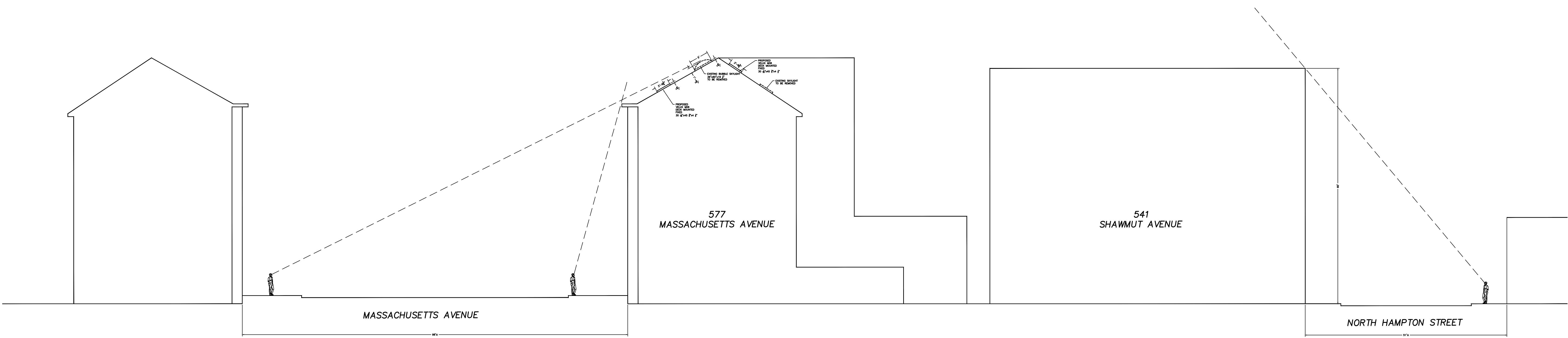
ROOF VISIBILITY SKETCH



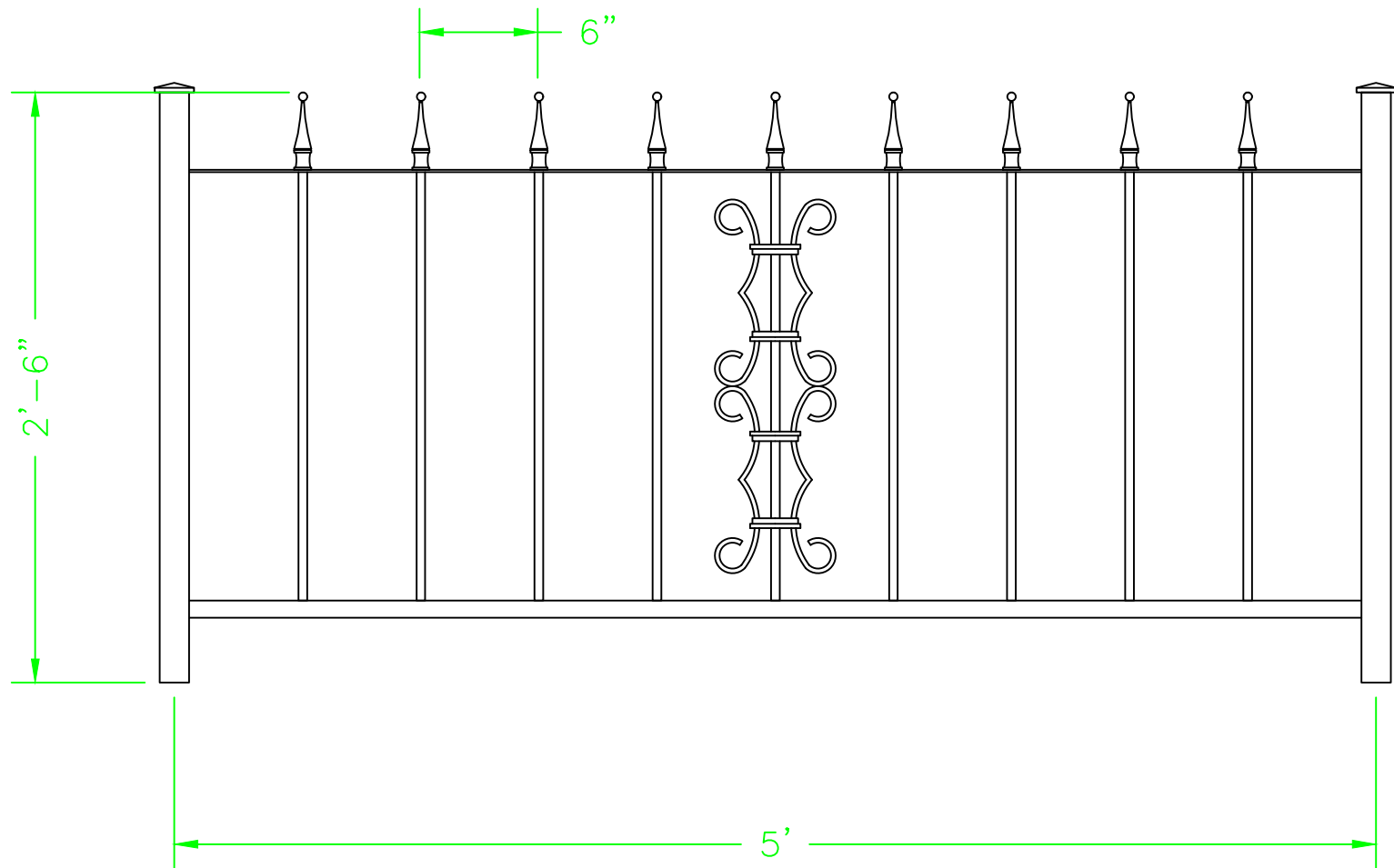
FRONT ELEVATION
EXISTING CONDITION



FRONT ELEVATION
PROPOSED CONDITION



ROOF VISIBILITY SKETCH



PROPOSED GARDEN RAILING DETAIL



VELUX SKYLIGHT M06 SPECIFICATIONS

Specifications

- Assembled Depth: 4.5 in.
- Assembled Height: 46.25 in.
- Assembled Width: 30.56 in.
- Cladding Type: Aluminum
- Color Family: Gray
- Daylight area (sq.ft.) : 8.126
- Energy Star Qualified: North-Central, Northern, South-Central, Southern
- Frame Material: Wood
- Glazing type: Tempered glass
- Low-E (Y, N) : Yes
- Material: Glass
- Maximum roof pitch (degrees) : 85 in.
- Minimum roof pitch (degrees) : 14
- Product Depth: 4.5 in.
- Product Height: 46.25
- Product Weight (lb.) : 58
- Product Width: 30.56
- Rough Opening Height: 45.75 in.
- Severe weather ready: Yes
- Skylight Mounting Type: Deck Mount
- Skylight Material: Glass
- U-Factor: 0.45
- UV protection (%) : 95.2

Timberline HD® Shingles

Made to protect your home. Your story. And those of over 50 million of your fellow Americans!



TIMBERLINE HD
LIFETIME HIGH DEFINITION® SHINGLES

Timberline HD® Shingles Provide These Unique Benefits:

Great Value

Architecturally stylish but practically priced

Dimensional Look

Features GAF proprietary color blends and enhanced shadow effect for a genuine wood-shake look

Highest Roofing Fire Rating

UL Class A, Listed to ANSI/UL 790

High Performance

Designed with Advanced Protection® Shingle Technology, which reduces the use of natural resources while providing excellent protection for your home (visit gaf.com/APS/ to learn more)

Stays in Place

Dura Grip™ Adhesive seals each shingle tightly and reduces the risk of shingle blow-off. Shingles warranted to withstand winds up to 130 mph (209 km/h)¹

StainGuard® Protection

Helps ensure the beauty of your roof against unsightly blue-green algae²

Peace of Mind

Lifetime Ltd. transferable warranty with Smart Choice® Protection (non-prorated material and installation labor coverage) for the first ten years³

Perfect Finishing Touch

For the best look, use Timbertex® Premium Ridge Cap Shingles or Ridglass® Premium Ridge Cap Shingles⁴

¹This wind speed coverage requires special installation; see *GAF Shingle & Accessory Ltd. Warranty* for details.

²StainGuard® Protection applies only to shingles with StainGuard®-labeled packaging. See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions.

³See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions. The word "Lifetime" refers to the length of coverage provided by the *GAF Shingle & Accessory Ltd. Warranty* and means as long as the original individual owner(s) of a single-family detached residence (or the second owner(s) in certain circumstances) owns the property where the shingles are installed. For owners/structures not meeting the above criteria, Lifetime coverage is not applicable.

⁴These products are not available in all areas. See www.gaf.com/ridgecapavailability for details.

Colors & Availability

Regional Availability

Northeast, Southeast, Southwest,
West, and Central Areas



Copper Canyon



Patriot Red



Driftwood



Pewter Gray



Fox Hollow Gray



Shakewood



Barkwood



Golden Amber



Slate



Birchwood



Hickory



Sunset Brick



Biscayne Blue



Hunter Green



Weathered Wood



Canadian Driftwood

sold in Canada only



Mission Brown



White



Charcoal



Oyster Gray



Williamsburg Slate

Applicable Standards & Protocols

- UL Listed to ANSI/UL 790 Class A
- Miami-Dade County Product Control approved
- State of Florida approved
- UL 997 modified to 110 mph
- Classified by UL in accordance with ICC-ES AC438
- Meets ASTM D7158, Class H
- Meets ASTM D3161, Class F
- Meets ASTM D3018, Type 1
- Meets ASTM D3462¹
- ICC-ES Evaluation Reports ESR-1475 and ESR-3267

- Texas Department of Insurance listed
- CSA A123.5²
- ENERGY STAR® Certified (White Only) (U.S. Only)
- Rated by the CRRC
- Can be used to comply with Title 24 cool roof requirements
- Meets the cool roof requirements of the Los Angeles Green Building Code (Birchwood, Copper Canyon, Golden Amber, and White Only)

Product/System Specifics³

- Fiberglass Asphalt Construction
- Dimensions (approx.): 13 1/4" x 39 3/8" (337 x 1,000 mm)

- Exposure: 5 5/8" (143 mm)
- Bundles/Square: 3
- Pieces/Square: 64
- StainGuard® Protection: Yes⁴
- Hip/Ridge: Timberline®; Seal-A-Ridge®; Z® Ridge; Ridglass®
- Starter: Pro-Start® & WeatherBlocker™

Installation

Detailed installation instructions are provided on the inside of each bundle wrapper of Timberline HD® Shingles. Installation instructions may also be obtained at gaf.com.

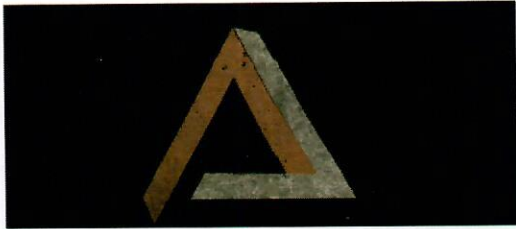
¹Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.

²Refers to shingles sold in Canada only.

³Refer to complete published installation instructions.

⁴StainGuard® Protection applies only to shingles with StainGuard®-labeled packaging. See *GAF Shingle & Accessory Ltd. Warranty* for complete coverage and restrictions.

Note: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.



Iron Builders, Inc.

Iron Builders, Inc.

128 Spring St.

Everett, MA 02149

781.521.9645

ironbuilderscompany@gmail.com

November 2, 2023

To whom it may concern:

I have inspected the railing around the garden of 577 Massachusetts Ave – which is a cast iron railing – and have determined that it is damaged beyond repair. My recommendation is to install a new railing in this area. Unfortunately, I am not aware of any suppliers that could provide cast iron replacement parts that would replicate the design of the original railing and believe that a new design should be used.

Thank you.

G. Costa 11.2.23

Gabriel Costa
Iron Builders, Inc.



SUMMARY

Proposed visible exterior work will be limited to replacement of front skylights projecting not more than 4" above roof surfaces and setback more than 1' from roof edges. Granite steps to be reset in place and leveled. Roof shingles around work area (skylights) will be replaced in kind. Front rail will be replaced to match adjacent properties as shown on photographs and plans. Existing rail is beyond repair and impossible to replicate.

SELDC District Standards and Criteria

2. Railings, Balustrades and Decorative Balconies

Existing cast iron stair railings, balustrades and decorative balconies shall be retained. If they are badly deteriorated or non-existent, replacement elements must be of a size and massiveness consistent with the remaining original elements of the design or consistent with the size, massing, profile and complexity of remaining examples of iron work on nearby buildings. Simplified adaptations may be allowed if they meet the above criteria. All iron work should be black in color. (See separate Sections G and H on fire escapes and fences).

G. FENCES AND YARDS

1. Fences (Refer to Section B.2.).

Original front yard fences shall be maintained and repaired or restored. If completely deteriorated or non-existent, replacement by a copy is preferred; an appropriate contemporary design may be acceptable. Gates and chain link, concrete block, light gauge metal, and wooden picket or lattice fences are inappropriate for front yards.

D. WINDOWS, WINDOW OPENINGS AND TRIM

The original window design and arrangement of window openings on all facades within the Commission's jurisdiction shall be retained. Changing window openings to accommodate larger or smaller sash and frame will not be approved. Restoring window openings to the original size where original elements are still visible is encouraged. New openings shall not be allowed.

F. ROOFS (including roof Lines, cornices and dormers, skylights, greenhouses, arbors, penthouses, roof fences and decks, mechanical penthouses, solar panels, and devices, and the like).

Skylights are never allowed on mansard roofs. Visible skylights on other roofs are discouraged, unless original to the building, but may be approved, provided that the projection is less than one foot above the roof and at least one foot back from the visible edges of the roof; framing of the skylights should also be dark and non-reflective.