



CAMBRIDGE HISTORICAL COMMISSION

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E-mail: histcomm@cambridgema.gov URL: http://www.cambridgema.gov/Historic

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JUN 07 2017

CAMBRIDGE HISTORICAL COMMISSION

APPLICATION FOR CERTIFICATE

- The undersigned hereby applies to the Cambridge Historical Commission for a Certificate of (check one box): Appropriateness, Nonapplicability, or Hardship, in accordance with Chapter 40C of the Massachusetts General Laws and/or Chapter 2.78 of the Municipal Code.
- Address of property: 151 BRATTLE STREET, Cambridge, Massachusetts
- Describe the proposed alteration(s), construction or demolition in the space provided below: (An additional page can be attached, if necessary).

The proposed alterations are the following:

- Cellar sash replacement: Replace the existing 3-lite, single-glazed, fixed cellar sashes with new mahogany sashes.
- Storm windows: Install new fixed storm windows at the new cellar sashes.
- Provide new 3-tab asphalt shingle roof at west/driveway gambrel roof, as required by the new 2nd story dormer installation.
- Provide a new 2nd floor dormer to match the existing detailing of the front elevation dormer.
- Provide a new basement stair enclosure: Water table detailing to match existing, provide steel framed windows, provide standing seam copper roof.
- Rear elevation: Provide enlarged basement window well with three (3) new double hung windows.
- East elevation: Provide new double hung windows & window wells to match existing.

END

I certify that the information contained herein is true and accurate to the best of my knowledge and belief.
The undersigned also attests that he/she has read the statements printed on the reverse.

Name of Property Owner of Record: Mr. Sikander Ilyas & Ms. Heidi Greiling

Mailing Address: 12 Earls Terrace, London W8 6LP United Kingdom

Telephone/Fax: Cell: 011-44-776-970-1090 sikander@ilyas.net

⇒ Signature of Property Owner of Record:  owner's signature
(Required field; the application will not be considered complete without this field)

Name of proponent, if not record owner: Daniel G. Steger, Principal, DGS/a Architecture PLLC

Mailing Address: 66 Queensberry Street, Apt #415, Boston, MA 02215

Telephone/Fax: 617-216-7643 E-mail: dstege@dgsarchitecture.com

(for office use only):

Date Application Received: 6/7/17 Case Number: 3815 Hearing Date: 7/10/17

Type of Certificate Issued: _____ Date Issued: _____



The Marean House at 151 Brattle Street was a large Colonial-revival house built by Joseph Mason Marean (1849–1909). It had an exuberance of overblown classical detail, which had its basis in the Colonial period but was in no way architecturally correct. (Courtesy of the Milton Historical Society, with thanks to Barbara W. Stebbins.)

Historic Image of 151 Brattle Street

Submission deadline: June 13, 2017 | Hearing date: July 6

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6. Product cut sheets.

DGS/a

DANIEL G. STEGER ARCHITECTURE

CAMBRIDGE HISTORICAL COMMISSION
APPLICATION FOR CERTIFICATE
151 BRATTLE STREET, CAMBRIDGE, MA 02138

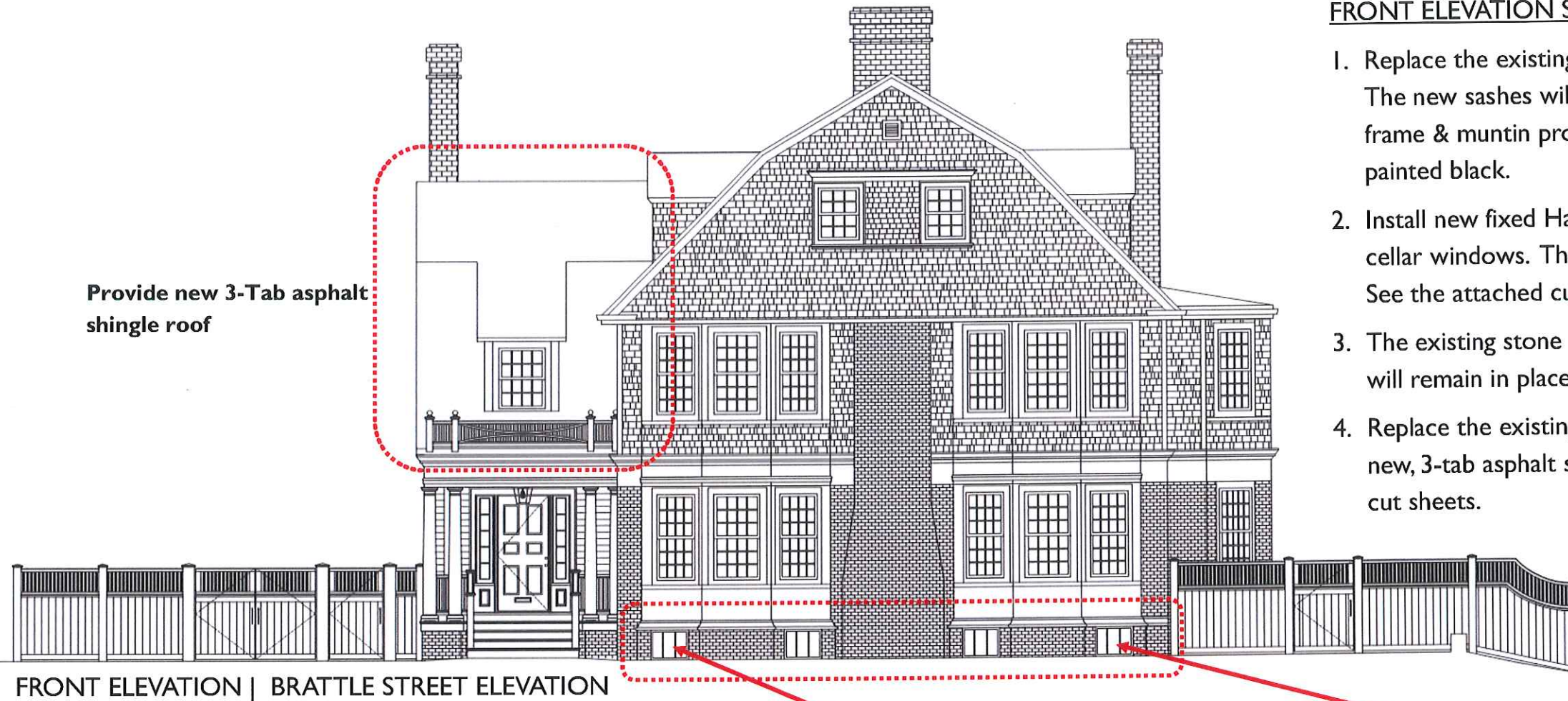


Existing Exterior Elevation—151 Brattle Street, June 2017



Existing Exterior Elevation—151 Brattle Street, April 2017

Provide new 3-Tab asphalt shingle roof



FRONT ELEVATION | BRATTLE STREET ELEVATION

FRONT ELEVATION SCOPE OF WORK

1. Replace the existing fixed cellar sashes with new mahogany sashes. The new sashes will match the existing single-glazed, 3-lite layout, frame & muntin profiles. The exterior sashes and frames will be painted black.
2. Install new fixed Harvey storm panels with Low-E glazing at the cellar windows. The new storm windows will be painted black. See the attached cut sheets.
3. The existing stone sills, brick masonry openings & window frames will remain in place. All wood components to be painted black.
4. Replace the existing asphalt shingles at the west gambrel roof with new, 3-tab asphalt shingles. Color: Moire Black. See the attached cut sheets.



Existing front cellar window



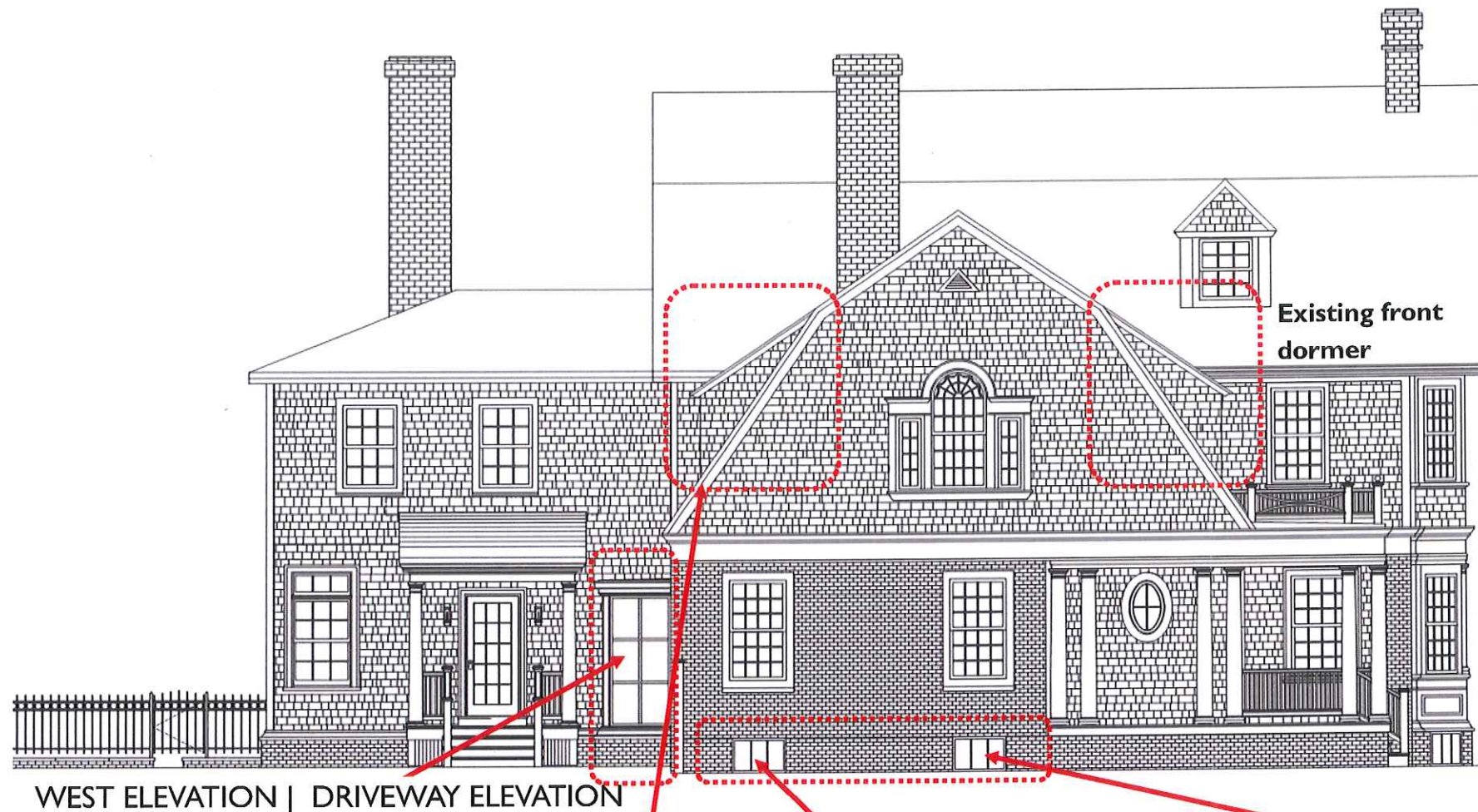
Existing front cellar window

DGS/a

DANIEL G. STEGER ARCHITECTURE

FRONT ELEVATION

CAMBRIDGE HISTORICAL COMMISSION APPLICATION FOR CERTIFICATE
PROPERTY ADDRESS: 151 BRATTLE STREET, CAMBRIDGE, MA 02138



WEST ELEVATION SCOPE OF WORK

1. Replace the existing fixed cellar sashes with new mahogany sashes. The new sashes will match the existing single-glazed, 3-lite layout, frame & muntin profiles. The exterior sashes and frames will be painted black.
2. Install new fixed Harvey storm panels with Low-E glazing at the cellar windows. The new storm windows will be painted black. See the attached cut sheets.
3. The existing stone sills, brick masonry openings & window frames will remain in place. All wood components to be painted black.
4. Replace the existing asphalt shingles at the west gambrel roof with new, 3-tab asphalt shingles. Color: Moire Black. See the attached cut sheets.
5. Construct a new 2nd floor dormer to match the dormer detailing at the front elevation.
6. Construct a new basement stair enclosure at the rear elevation. The water table details will match existing. The windows will be steel framed, double-glazed frames. The roof will be standing seam copper.



Proposed basement stair enclosure



Proposed rear dormer



Existing cellar window at west elevation



Existing cellar window at west elevation



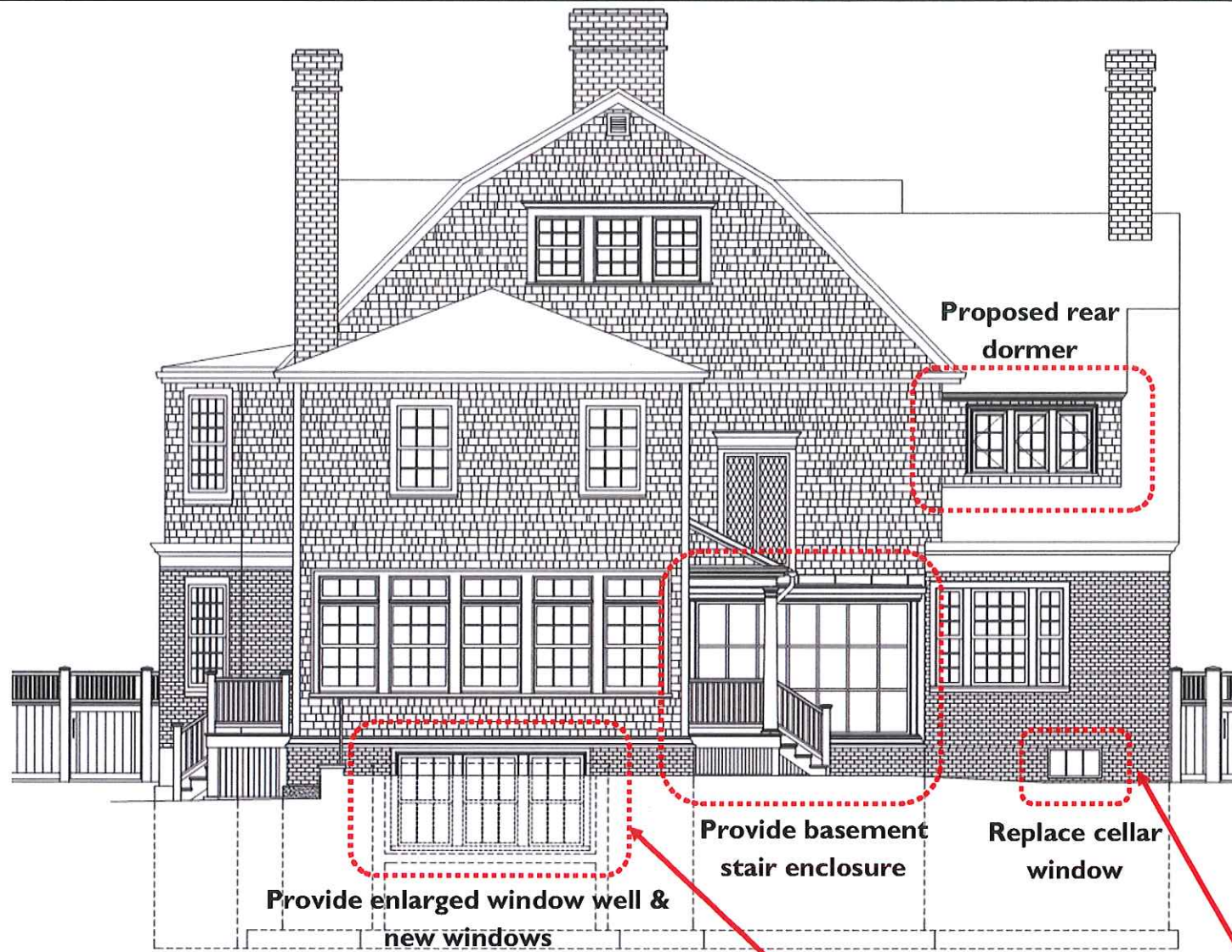
Existing front dormer

DGS/a

DANIEL G. STEGER ARCHITECTURE

WEST ELEVATION

CAMBRIDGE HISTORICAL COMMISSION APPLICATION FOR CERTIFICATE
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REAR ELEVATION SCOPE OF WORK

1. Replace the existing fixed cellar sashes with new mahogany sashes. The new sashes will match the existing single-glazed, 3-lite layout, frame & muntin profiles. The exterior sashes and frames will be painted black.
2. Install new fixed Harvey storm panels with Low-E glazing at the cellar windows. The new storm windows will be painted black. See the attached cut sheets.
3. The existing stone sills, brick masonry openings & window frames will remain in place. All wood components to be painted black.
4. Replace the existing asphalt shingles at the west gambrel roof with new, 3-tab asphalt shingles. Color: Moire Black. See the attached cut sheets.
5. Construct a new 2nd floor dormer to match the dormer detailing at the front elevation.
6. Construct a new basement stair enclosure at the rear elevation. The water table details will match existing. The windows will be steel framed, double-glazed frames. The roof will be standing seam copper.
7. Enlarge the existing basement window well for three double hung windows. Provide brick interior to match existing. Provide bluestone cap to match existing. Provide new windows to match existing.
8. Remove the existing bulkhead enclosure.

REAR ELEVATION | BACKYARD ELEVATION



Provide enlarged window well & double hung windows



Provide new cellar sash



Proposed 2nd floor dormer

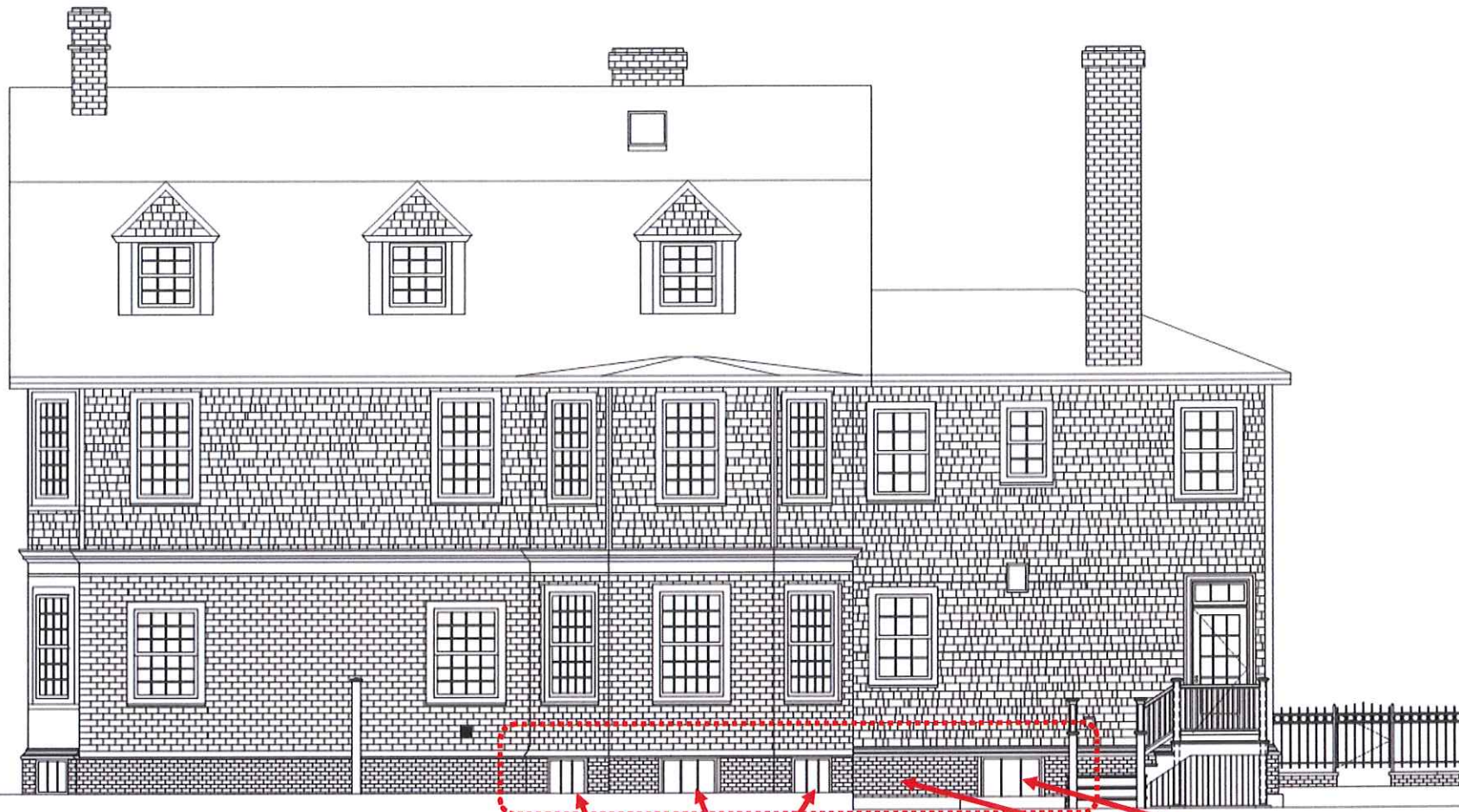
DGS/a

DANIEL G. STEGER ARCHITECTURE

REAR ELEVATION

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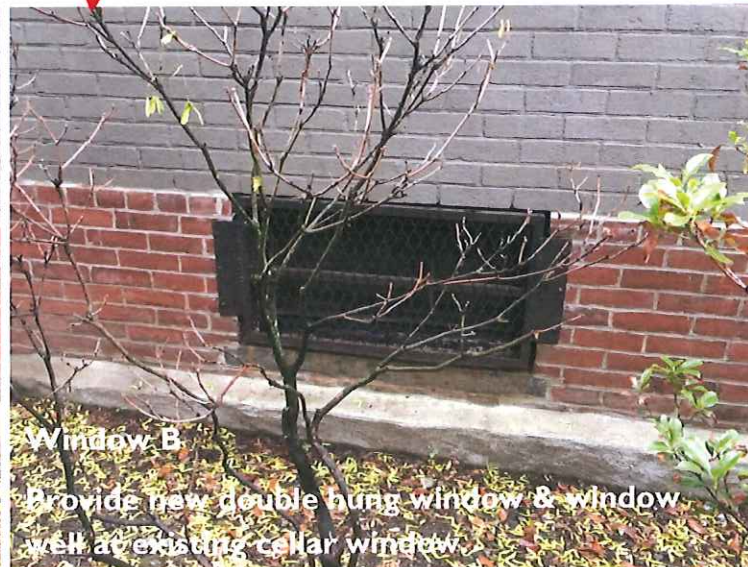
EAST ELEVATION SCOPE OF WORK

1. Window A: Provide a new double hung window opening & window well in the existing brick water table.
2. Window B: Provide new double hung window openings & window wells at the existing cellar window openings.
3. Window C: Remove the existing cellar window and provide brick in-fill to match the existing water table brick & mortar.
4. Window D: Window D serves as the basis of design for the new double hung windows and window wells at Windows A, B & C. Window D to remain.

EAST ELEVATION | SIDE ELEVATION



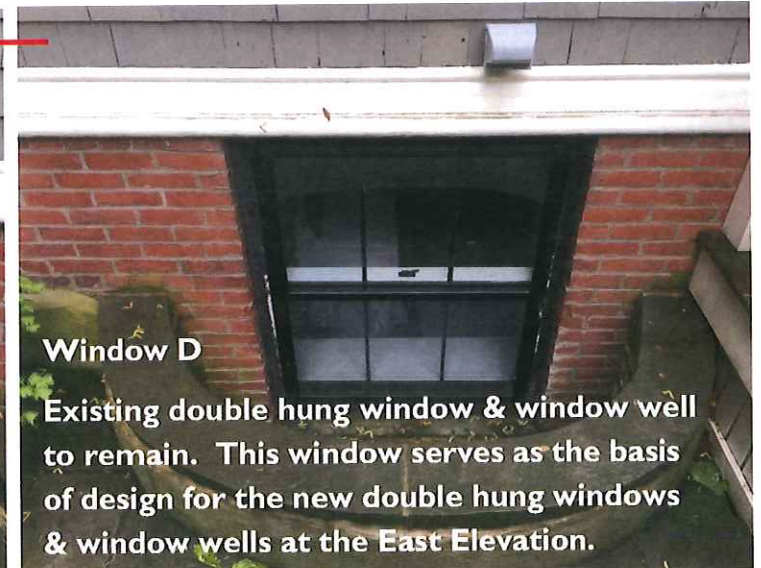
Window A
Provide new double hung window opening & window well in existing brick water table.



Window B
Provide new double hung window & window well at existing cellar window.

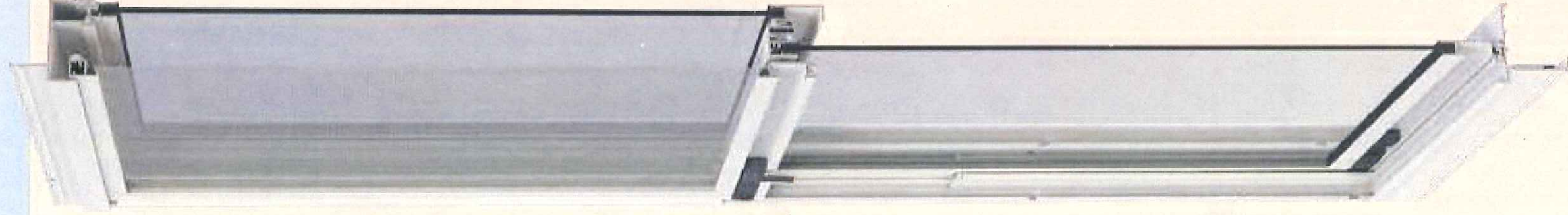


Window C
Remove existing cellar window & provide brick in-fill to match existing brick.



Window D
Existing double hung window & window well to remain. This window serves as the basis of design for the new double hung windows & window wells at the East Elevation.

151 BRATTLE STREET CHC APPLICATION
STORM WINDOW SPEC SHEET
storm windows

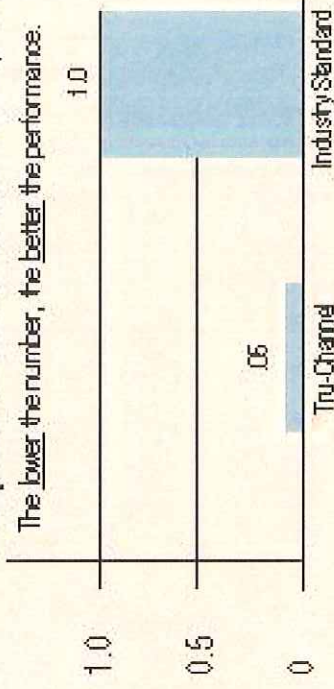


Tru-Channel

When prime replacement windows are not an option, whether for budgetary or historical maintenance reasons, Harvey Tru-Channel aluminum storm windows are an excellent solution. Harvey Tru-Channel provides maximum energy efficiency and is one of the top performing storm windows in the marketplace today. Custom made to fit the exact dimensions of your existing prime windows, the Tru-Channel is an easy to operate, self-contained unit that will provide extra insulating value.

- Twice the weatherstripping as ordinary storm windows
- Both sash interlock with a sturdy frame tie bar for maximum wind resistance
- Triple-track "combination" design for self storage of sash and screen and sash tilt-in capability
- Locking non-glare, charcoal-finished fiberglass half screen
- Among the lowest air infiltration rates (.05 CFM/FT) of any storm window
- Approved for Airport Sound Abatement Programs nationally
- Marine glazing seals keep the glass tight and secure in its frame
- Optional steep slope expander available

Comparative Air Infiltration Rates (CFM/FCP)



Harvey storm windows are available in a variety of styles including double hung, rolling and picture.

XT™ 25 METRIC SHINGLE COLOR PALETTE



Autumn Brown



Moire Black



Driftwood



Oakwood



Nickel Gray



Weathered Wood



Slate Gray



XT 25 metric specifications and warranty information:

- Fiber glass composition
- UL Class A fire resistance
- UL certified to meet ASTM D3462
- UL certified to meet ASTM D3018 Type I
- Conforms to CSA standard A123-5.98
- Size: 13 1/4 x 39 3/8
- 5-year SureStart™ Protection
- 10-year StreakFighter™ warranty
- 220 lb. per square
- 25-year limited transferable warranty against manufacturing defects
- 5-year warranty against winds up to 60 mph

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151 BRATTLE STREET CHC APPLICATION 3-TAB ASPHALT ROOF SHINGLE SPECIFICATION



Integrity Roof System™

Integrity is built from the bottom up. Layer-on-layer, only CertainTeed provides the peace of mind that comes with the best components performing together for peak efficiency.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

1. Waterproof Underlayment

Waterproofing shingle underlayment prevents leaks from wind-driven rain and ice dams

2. Water-Resistant Underlayment

High-performance underlayment provides a water-resistant layer over the roof deck and a secondary barrier against leaks

3. Starter Shingles

Perfect starts every time and designed to work in tandem with the roof shingles above

4. Roof Shingles

Choose the best, covered by the strongest warranty in the business

5. Hip & Ridge Caps

Perfect finish for hip and ridge lines, complementing all CertainTeed shingles

6. Roof Ventilation

Engineered for ideal roof ventilation especially when matched with CertainTeed Intake Vents