Schwab House
Window Replacement

11 Riverside Drive
New York, NY 10023

01/16/2018
LPC Meeting
 existing window configuration - riverside drive

proposed window configuration - riverside drive
Existing Conditions | West 74th Street Elevation
Schwab House
Window Replacement
11 Riverside Drive, New York, NY 10023
Riverside Drive Facade | Typical Conditions
Fixed/Double-Hung

West 73rd Street Facade | Typical Conditions
Corner Fixed/Double-Hung

West End Avenue Facade | Typical Conditions
Fixed/Double-Hung: Ground Level

West End Avenue Facade | Typical Conditions
Corner Fixed/Double-Hung: Ground Level

Existing Conditions
Schwab House
Window Replacement
11 Riverside Drive, New York, NY 10023
**Existing Triple Double Hung**

**Proposed Double Hung with Casement-Outswing**

**Existing Wall Section**

**Proposed Wall Section**

**Existing Axonometric**

**Proposed Axonometric**

**Existing Elevation | Typical Triple Window**

**Proposed Elevation | Typical Triple Window**

*Double Hung with Casement-Outswing Direct Glaze*
**Existing Wall Section**

**Existing Elevation | Typical Triple Window**
Double Hung with Fixed

**Proposed Wall Section**

**Proposed Elevation | Typical Triple Window**
Double Hung with Casement-Outswing

**Proposed Axonometric**

**Existing Axonometric**
Legend:
- Previously replaced by Shareholders.
- Triple Double Hung Configuration
- Fixed/Double Hung Configuration
- Windows to be replaced in kind.

<table>
<thead>
<tr>
<th>Total Triple Window Configuration</th>
<th>138</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number Replaced with Fixed Center</td>
<td>94</td>
</tr>
<tr>
<td>Percentage</td>
<td>68%</td>
</tr>
</tbody>
</table>
Legend:
- Windows to be replaced in kind as part of Master Plan.
- Triple Double Hung/ Casement Configuration as part of the Master Plan.

NOTE: Removable oriel sash option will be available for all one-over-one windows.
Legend:
- Previously replaced by Shareholders.
- Triple Double Hung Configuration
- Fixed/Double Hung Configuration
- Windows to be replaced in kind.

Total Triple Window Configuration
116
Number Replaced with Fixed Center
36
Percentage
31%
Legend:
- Windows to be replaced in kind as part of Master Plan.
- Triple Double Hung/ Casement Configuration as part of the Master Plan.

NOTE: Removable oriel sash option will be available for all one-over-one windows.
**Legend:**
- Previously replaced by Shareholders.
- Triple Double Hung Configuration
- Fixed/Double Hung Configuration
- Windows to be replaced in kind.

**Total Triple Window Configuration:** 126

**Number Replaced with Fixed Center:** 44

**Percentage:** 35%
Legend:
- Windows to be replaced in kind as part of Master Plan.
- Triple Double Hung/ Casement Configuration as part of the Master Plan.

NOTE: Removable oriel sash option will be available for all one-over-one windows.
Legend:
- Previously replaced by Shareholders.
- Triple Double Hung Configuration
- Fixed/Double Hung Configuration
- Windows to be replaced in kind.

<table>
<thead>
<tr>
<th>Total Triple Window Configuration</th>
<th>117</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number Replaced with Fixed Center</td>
<td>41</td>
</tr>
<tr>
<td>Percentage</td>
<td>35%</td>
</tr>
</tbody>
</table>

Existing | West 73rd Street Elevation
Schwab House
Window Replacement
11 Riverside Drive, New York, NY 10023
Legend:
- Windows to be replaced in kind as part of Master Plan.
- Triple Double Hung/ Casement Configuration as part of the Master Plan.

NOTE: Removable oriel sash option will be available for all one-over-one windows.
Legend:
- Previously replaced by Shareholders.
- Triple Double Hung Configuration
- Fixed/Double Hung Configuration
- Windows to be replaced in kind.

<table>
<thead>
<tr>
<th></th>
<th>Total Triple Window Configuration</th>
<th>Number Replaced with Fixed Center</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Legend:
- Windows to be replaced in kind as part of Master Plan.
- Triple Double Hung/ Casement Configuration as part of the Master Plan.

NOTE: Removable oriel sash option will be available for all one-over-one windows.
Legend:
- Previously replaced by Shareholders.
- Triple Double Hung Configuration
- Fixed/Double Hung Configuration
- Windows to be replaced in kind.

<table>
<thead>
<tr>
<th>Total Triple Window Configuration</th>
<th>27</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number Replaced with Fixed Center</td>
<td>11</td>
</tr>
<tr>
<td>Percentage</td>
<td>40%</td>
</tr>
</tbody>
</table>

Existing | Courtyard Elevation-Towards West End Ave
Schwab House
Window Replacement
11 Riverside Drive, New York, NY 10023
Legend:
- Windows to be replaced in kind as part of Master Plan.
- Triple Double Hung/ Casement Configuration as part of the Master Plan.

NOTE: Removable oriel sash option will be available for all one-over-one windows.
Existing Fixed Details

Schwab House

Window Replacement

11 Riverside Drive, New York, NY 10023

1 Existing Fixed Window | Section

2 Existing Double-Hung and Fixed | Vertical H Mullion Section

3 Existing Double-Hung and Fixed Configuration | Elevation
1 Existing Double-Hung Window | Section

2 Existing Double-Hung | Vertical H Mullion Section

3 Existing Double-Hung Configuration | Elevation

4 Existing Jamb at the wall

Existing Double-Hung Details
Schwab House
Window Replacement
11 Riverside Drive, New York, NY 10023
1 Proposed Double-Hung Window | Section

2 Proposed Double-Hung | Vertical H Mullion Section

3 Proposed Double-Hung Configuration | Elevation

4 Proposed Jamb at the wall
1 Proposed Casement-Outswing Window | Section

2 Proposed Double-Hung and Casement | Vertical H Mullion Section

3 Proposed Double-Hung and Casement Configuration | Elevation
1  Existing A/C Support

2  Proposed A/C Support
923 FIFTH AVENUE, CA 1951 (NYPL)
ARCHITECT: SYLVAN BIEN

EXISTING VIEW OF 923 FIFTH AVENUE
Appendix
60 Riverside Drive-1980s Tax Photo
Architect: Wechsler and Schimenti
Year: 1963-1965

60 Riverside Drive- 2017 Photo
1 Terrace Door | Section

2 Terrace Door | Elevation

3 Terrace Door Jamb Section

Door Details
Schwab House
Window Replacement
11 Riverside Drive, New York, NY 10023
Oriel Sash and AlucoBond Mock-up
ALUCOBOND PLUS

Alucobond® PLUS has been developed exclusively for the higher requirements of the fire regulations in architecture. Due to its fire resistant core (FR Core), Alucobond® PLUS meets the higher requirements of fire classifications while offering the proven product properties of the Alucobond® family, such as flatness, formability, resistance to warping and simple processing. The superb properties of this material boost one’s inspiration and offer architects a wide range of solutions while meeting fire performance requirements of today’s building standards. Alucobond® PLUS is available in most of our current finishes and most custom colors.

PRODUCT DESCRIPTION

Material Composition
- Aluminum interior and exterior facings in 0.020” nominal thickness to ensure flatness
- Proprietary fire-resistant core available in 4mm nominal thickness only

Sheet Widths
- Standard coil coated widths include 50” and 62”
- Standard anodized widths include 62”
- Custom width 40”

Sheet Lengths
- Standard lengths include 146” and 196”
- Custom lengths for coil coating up to a maximum of 360”
- Custom lengths for anodized up to a maximum of 216”

Minimum Bending Radius
- The minimum bending radius of Alucobond Plus without routing the interior skin is 15 times the thickness of the material

FIRE TESTING

Wall Assembly Fire Performance Tests
- NFPA 285: Passed
- CAN/ULC-S134: Passed

TECHNICAL SUMMARY

Temperature Resistance
- Withstands environmental temperature changes from -55°F to +175°F
- Coefficient of linear expansion is governed by the aluminum sheet

Technical Properties
- Nominal Thickness: 4mm
- Nominal Weight: 1.56 lb/ft²
- Moment of Inertia: 0.00212 in⁴/in
- Section Modulus: 0.0275 in³/in
- Rigidity: 2143 ft-in/lb

Sustainability Design
- LEED 3
- LEED v4
  - LCA Industry Standard
  - EPD Industry Standard

Accepted Code Evaluation Reports
- 1. ICC ES
- 2. Florida Product Approval
- 3. City of Los Angeles
- 4. Miami-Dade County NOA

MANUFACTURING

Manufacturing Location
- Alucobond PLUS is currently manufactured in Benton, Kentucky USA

To download PDF or AutoCAD details and specifications, visit our website at www.alucobondusa.com.

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