Children’s Museum of Manhattan
Landmarks Preservation Commission - June 9, 2020 Public Meeting

HISTORIC

EXISTING

PROPOSED
Project Goals

- Celebrate the spirit of the building
- Transform and adapt a landmark building into a museum
- Provide welcoming and graceful entry for all
- Maximize daylight and connection to the City
- Support diverse and inclusive program
- Implement sustainable and efficient building systems

Project Overview Subsequent to Public Hearing

Entries:
The entrance changes proposed on CPW accommodate the necessary entry and exit flow for all visitors, not solely to meet ADA compliance. Retaining historic doors in an open position impacts egress requirements and conceals other historic elements. We introduced transoms over the north and south CPW entrances to moderate height differences between the new and historic doors and reinforce hierarchy across all three entrances.

Stained Glass:
We will preserve the decorative stained glass border of the east facade main window. The arched windows will incorporate the geometry of the original muntins and lead came divisions to recall the texture, scale and proportion of the historic windows.

Roof:
We significantly reduced the mass and visibility of the addition, including the bulkheads. Symmetry is reinforced and the roof profile of the Workshop / Performance space recalls the historic roof monitor. Removed south terrace walk and restored the historic terra-cotta roof.

Signage:
We reduced the size of the banners on the CPW facade and adjusted the proportions of the 96th St. banner to match the extents of the religious inscription it will cover.
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Exterior & Interior Dialogue

First Church of Christ, Scientist
The Inland Architect and News Record, Vol. XLII, No. 3, 1903

First Church of Christ, Scientist
2019 by FXCollaborative
Program
CPW Entries - Existing Elevation

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Proposed 1st Floor Plan

-2'-10" T.O.F.F.
-2'-2" T.O.F.F.

MAIN ENTRANCE
ENTRY
GROUP ENTRY / EXIT
EXIT

370 CENTRAL PARK WEST
CENTRAL PARK WEST
7 WEST 96TH STREET
308 CENTRAL PARK WEST
7 WEST 96TH STREET

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Banners not shown for clarity.

CPW Entries - Previously Proposed Elevation
(02/28/2020)
CPW Entries - Proposed Elevation
(06/09/2020)

Banners not shown for clarity.
New-York Historical Society
York & Sawyer (1908), Walker & Gillette (1938)
New York, NY

New-York Historical Society
PBDW Architects (2011)
New York, NY

Entry Precedent - New-York Historical Society
CPW Entries - Proposed Door Designs

**SOUTH ENTRY (NORTH SIMILAR)**
- Bronze bottom rail
- Salvaged stone from stairs @ enlarged opening
- Custom door pull
- Bronze panic hardware beyond
- Wood top and side rails
- Wood header
- Glass transom with decorative wood screen

**CENTER ENTRY**
- Glass transom with decorative wood screen to match pattern of historic screen
- Wood header
- Wood top and side rails
- Building identification signage etched on glass
- Bronze panic hardware beyond
- Custom door pull
- Salvaged stone from stairs @ base of column
- Bronze bottom rail
CPW Entries - Proposed Enlarged Plans & Jamb Detail

- Bronze plate frame
- Flush door operator push-button
- Restored & salvaged stone
- Relocated historic doors

SOUTH ENTRY

CENTER ENTRY
CPW Entries - Salvaged & Restored Stone

- Salvaged stone from stairs
- Restored stone (exact extents to be confirmed after stair removal)

Existing notched stone to be replaced with salvaged stone from stairs, typical both sides

Existing stone behind stair to be restored, typical both sides

Existing stone behind stair to be restored, typical both sides

Infill below existing column bases with salvaged stone from stairs, typical both sides
96th Street Entry - Proposed Elevation

(06/09/2020)
Stained Glass Windows Approach
(06/09/2020)

Revisions from 02/28/2020 approach are highlighted in **bold italics**.

(1) East Window
New bronze frame, mullions & muntins¹ and clear glass² with restored stained glass border. Donate existing bronze frame & remaining stained glass to National Building Arts Center.

(5) Arched Windows
New bronze frame & muntins¹ and clear glass² with restored stained glass borders. *Incorporated lead came divisions to recall the texture, scale and proportion of this historic windows.* Donate existing bronze frames, opalescent & stained glass medallion, including religious iconography to National Building Arts Center.

(1) Arched Window
New bronze frame & muntins¹ and clear glass² with fully restored stained glass border, opalescent glass & stained glass medallion including religious iconography featuring children. Donate existing bronze frame to National Building Arts Center.

(3) Stair Windows
New bronze frame & muntins¹ and clear glass² with restored stained glass borders. Donate existing bronze frame and opalescent glass to National Building Arts Center.

(2) Stair Windows
New bronze frame & muntins¹ and clear glass² with restored stained glass borders. Donate existing bronze frame and opalescent glass to National Building Arts Center.

¹ All new bronze frames, mullions and muntins will be fixed and thermally broken.
² All clear glass will be high performance, anti-reflective and bird-safe.
NEW FIXED, THERMALLY-BROKEN BRONZE FRAMES, MULLIONS AND MUNITINS TO MATCH THE ORIGINAL DETAILING, MATERIAL, CONFIGURATION, FINISH & GLAZING AREA

LAYER 1:
NEW CLEAR HIGH PERFORMANCE, ANTI-REFLECTIVE, BIRD SAFE GLASS

LAYER 2:
RESTORED STAINED GLASS BORDER SET BEHIND NEW CLEAR GLASS

EXISTING BRONZE FRAME & REMAINING STAINED GLASS TO BE DONATED TO THE NATIONAL BUILDING ARTS CENTER

CPW East Facade Main Window

(06/09/2020)

Revisions from 02/28/2020 approach are highlighted in **bold italics**.
NEW FIXED, THERMALLY-BROKEN BRONZE FRAMES AND MUNTINS TO MATCH THE ORIGINAL DETAILING, MATERIAL, CONFIGURATION, FINISH & GLAZING AREA

EXISTING

NEW FIXED, THERMALLY-BROKEN BRONZE FRAMES AND MUNTINS TO MATCH THE ORIGINAL DETAILING, MATERIAL, CONFIGURATION, FINISH & GLAZING AREA

EXISTING BRONZE FRAMES & REMAINING STAINED GLASS TO BE DONATED TO THE NATIONAL BUILDING ARTS CENTER

PROPOSED

LAYER 1:
NEW CLEAR HIGH PERFORMANCE, ANTI-REFLECTIVE, BIRD SAFE GLASS

LAYER 2:
RESTORED STAINED & LEADED GLASS BORDER SET BEHIND NEW CLEAR GLASS

LAYER 2:
CLEAR GLASS WITH A GRID OF LEAD CAMING SET BEHIND NEW CLEAR GLASS

NEW BRASS CHANNEL AROUND RESTORED BOTTOM STAINED GLASS ORNAMENT

TYPICAL BORDER IMAGERY

(2) North & (3) South Facade Arched Windows
(06/09/2020)

Revisions from 02/28/2020 approach are highlighted in **bold italics**.
Existing Arched Window Medallion & Bottom Border Ornament

3rd FLOOR

2nd FLOOR
Revisions from 02/28/2020 approach are highlighted in **bold italics**.

**Precedent & Details**

(06/09/2020)
PREVIOUSLY PROPOSED

REDUCE BULKHEAD:
STOP MAIN ELEVATORS AT 6TH FLOOR
TRANSFER TO SPECIAL SINGLE STOP
ELEVATOR WITHIN TOWER LANTERN

REDUCE BULKHEAD:
LOWER MACHINE ROOMS & ELIMINATE
EGRESS STAIR TO TERRACE
CENTER REDUCED BULKHEAD

TERRA-COTTA ROOF:
RESTORE FULL EXTENT OF TERRA-COTTA
ROOF AND ELIMINATE CLERESTORY

Design Refinements: From On the roof to In the roof
Cross Section Overlay

EXISTING

EXCAVATED

PREVIOUSLY PROPOSED (02/28/2020)

PROPOSED (06/09/2020)
Roof Cross Section
Roof Cross Section Comparison
Workshop / Performance, Attic Walk & Terrace

- Standing seam copper roof panels with solar module system.
- Perforated copper rain screen cladding system.
- Low-iron glass panel guardrails.
- Thermally broken oxidized bronze framing system with high-performance, bird-safe glazing.
- Terra-cotta rain screen cladding system over sloped glazing. Terra-cotta panels to match profile of cover tiles.
- New Ludowici Greek Pan and Cover Tiles to match original roof tiles.
- Restored copper cornice.

Precedent: Historic skylights in roof tile at stair pavilions.
6th Floor Plan
Terrace Floor Plan
Terrace
Roof Plan

DIST. FROM PROPERTY LINE
12' - 0"  19' - 2"  17' - 1 1/4"  61' - 9"  43' - 2 3/4"

DIST. FROM PROPERTY LINE
27' - 10 1/4"

DIST. FROM PROPERTY LINE
18' - 1 1/4"

DIST. FROM PROPERTY LINE
93' - 11 1/2" T.O. ROOF
89' - 11" T.O. PARAPET

DIST. FROM PROPERTY LINE
76' - 8" T.O. ROOF
32' - 4 1/2"

DIST. FROM PROPERTY LINE
39' - 11 1/2" TO MATCH HISTORIC MONITOR

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Street Level Views
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View 1 - CPW South of 96th Street

EXISTING
PREVIOUSLY PROPOSED (02/28/2020)
PROPOSED (06/09/2020)
EXISTING

PREVIOUSLY PROPOSED (02/28/2020)

PROPOSED (06/09/2020)

View 2 - CPW South of 96th Street
View 3 - Southeast Corner of CPW & 96th Street
View 4 - From Central Park
Site Plan

View 5 - CPW North of 96th Street
EXISTING

PREVIOUSLY PROPOSED (02/28/2020)

PROPOSED (06/09/2020)

View 6 - 96th Street
HISTORIC

PREVIOUSLY PROPOSED (02/28/2020)

PROPOSED (06/09/2020)

South Elevation
East Elevation
West Elevation
HISTORIC

PREVIOUSLY PROPOSED (02/28/2020)

PROPOSED (06/09/2020)

North Elevation
South Elevation

1. Terra-cotta panel rain screen cladding system w/ solid backup wall
2. Thermally broken bronze framing system
3. High performance, bird safe glass with custom ceramic frit
4. Perforated copper panel rain screen cladding system w/ solid backup wall
5. Frameless solar module panels
6. Low-iron glass guardrails
7. Copper standing seam roof panels
8. Modular chillers beyond
9. New wood screen to match historic wood screen
Bulkhead South Elevation - Typical Dimensions & Details

Typical panel width
Standing seam copper roof panels
Terra-cotta rain screen cladding system

DETAIL B
3/8" Open vertical joints

DETAIL A
3/8" Overlap horizontal joints

Low-iron glass panel guardrail

Typical panel height

SECTION A
PANEL AT BOTTOM OF FLANGED TRACK

SECTION B
PANEL AT BOTTOM OF STANDARD TRACK

VERTICAL TRACK DETAILS

DETAIL A
3/8" Overlap Horizontal Joints

DETAIL B
3/8" Open Vertical Joints
CPW Proposed Banners

Supports located at perimeter in mortar joints

Proposed museum banner signage

Banner will be easily reversible and will not obscure or conceal highly decorative stone or other significant architectural features

6'-8"
96th Street Proposed Banner

Existing Inscription

Existing museum banner signage to cover religious inscription
Banner will be easily reversible and will not obscure or conceal highly decorative stone or other significant architectural features

Proposed museum banner signage
Supports located at perimeter in mortar joints away from inscription lettering
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HISTORIC

EXISTING

PROPOSED
Visibility Study - Along 97th Street, West of CPW

Only upper bulkhead visible from this view. Upper bulkhead has been eliminated, thus will longer visible from this view.

MOCK-UP VIEW 19 (2/28/2020) - VISIBLE

MOCK-UP VIEW 19 (06/09/2020) - NOT VISIBLE
Visibility Study - Along CPW North of 97th Street

ADDITIONAL MOCK-UP VIEW 22 (2/28/2020) - VISIBLE

ADDITIONAL MOCK-UP VIEW 22 (06/09/2020) - NOT VISIBLE

Minimal amount of mechanical screen visible from this view. Mechanical equipment set back near north side of monitor so screen has been eliminated, thus no longer visible from this view.

Only upper bulkhead visible from this view. Upper bulkhead has been eliminated, thus no longer visible from this view.
Visibility Study - Along CPW North of 97th Street
Design Refinements: Mechanical Equipment Adjustments

PREVIOUSLY PROPOSED

EGRESS STAIRS
ELIMINATE SW EGRESS STAIR & ELEVATOR LOBBY TO 7TH FLOOR / TERRACE
RELOCATE NE EGRESS STAIR INTO WORKSHOP VOLUME

CHILLERS
MOVE (4) MODULAR CHILLERS TO WEST ROOF (NOT VISIBLE FROM STREET)

DOAS UNITS
ELIMINATE WELL IN WORKSHOP ROOF
MOVE DOAS 1 TO NORTH ROOF & ROTATE DOAS 2 TO BE WITHIN WORKSHOP VOLUME AT WEST END

PROPOSED ROOF PLAN
WORKSHOP VOLUME ENCLOSED UNDER PITCHED ROOF, CONCEALING STAIR AND DOAS UNIT
WORKSHOP MAINTAINED AS PURE VOLUME IN ALIGNMENT WITH HISTORIC MONITOR
MONITOR ROOF: MAINTAIN SHAPE OF HISTORICAL PITCHED MONITOR ROOF, RAISE HEIGHT BY 3'-6"

INHABIT THE ROOF: WORKSHOP/PERFORMANCE AS OBJECT WITHIN ROOF

IN THE LIGHT: SKYLIGHTS IN MONITOR ROOF AND TERRA-COTTA SCREEN FILL THE ROOM WITH LIGHT.

MECHANICAL: CONCEAL DOAS UNIT WITHIN PITCHED ROOF

Design Refinements: From On the roof to In the roof
Terrace East Elevation

- Low-iron glass panel guardrails
- Opening to stairway
- Precast pavers on pedestal support system
- Perforated copper rain screen cladding system
- Copper coping
- Recessed channel for supporting exhibit displays
- Elevator bulkhead beyond
- Window
Terrace West Elevation

- Low-iron glass panel guardrails set behind stone balustrade
- New bronze plate frame entry portal to tower
- New wood screen to match historic wood screen
The revolutionary frameless solar module system that has bridged the gap between architecture and energy production.

**FEATURES & BENEFITS**
- **FRAMELESS MODULE**
  - PID free
  - Ultra low profile
  - No module grounding
  - No continuous module equipment ground
- **INTEGRATED MOUNTING SYSTEM**
  - Built in wireway
  - Concealed junction box and conductors
- **PATENTED THROUGH-BOLT MOUNTING**
  - Tamper resistant mounting
  - Ease of weatherproofing

**Solar Module Layout & Details**
CPW East Facade Main Window (Previously Approved 03/17/2015)
EXISTING PROPOSED (06/09/2020)
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East Facade (CPW) Main Window
(3) North & (3) South Facade Arched Windows (Previously Approved 03/17/2015)
(2) North & (3) South Facade Arched Windows
Stair Hall Windows (Previously Approved)
Stair Hall Windows

EXISTING EXTERIOR

PROPOSED EXTERIOR (Unchanged from 2/28/2020)

- **Layer 1:** New clear high performance, anti-reflective, bird safe glass
- **Layer 2:** Restored stained and leaded glass border set behind new clear glass

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EXISTING PROPOSED (06/09/2020)
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Stair Hall Windows

PROPOSED (Unchanged from 2/28/2020)