

## The current proposal is:

Preservation Department – Item 4, LPC-21-10893

# 657 Greenwich Street - Greenwich Village Historic District

## **Borough of Manhattan**

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## **Proposal for Modifications to St. Luke's School**

For presentation to New York City Landmarks Preservation Commission September 28, 2021

Architect: Marble Fairbanks Architects (MFA)
Client: St. Luke's School, 657 Greenwich Street



For over 75 years, St. Luke's School has been a member of the Greenwich Village community, and we are committed to remaining so.

When Andrew Bartle Architects (ABA) designed the playcage in 2013, it was designed to be the last phase of the school addition. Our need was to provide outdoor play and athletic space for our students, especially our Upper School students.

The importance of outdoor play space has only increased as we grapple with providing safe education spaces for in-person learning in the context of the COVID-19 pandemic.

We have a greater need for outdoor programming and safe spaces for our children during the Coronavirus pandemic and the variants circulating in NYC.



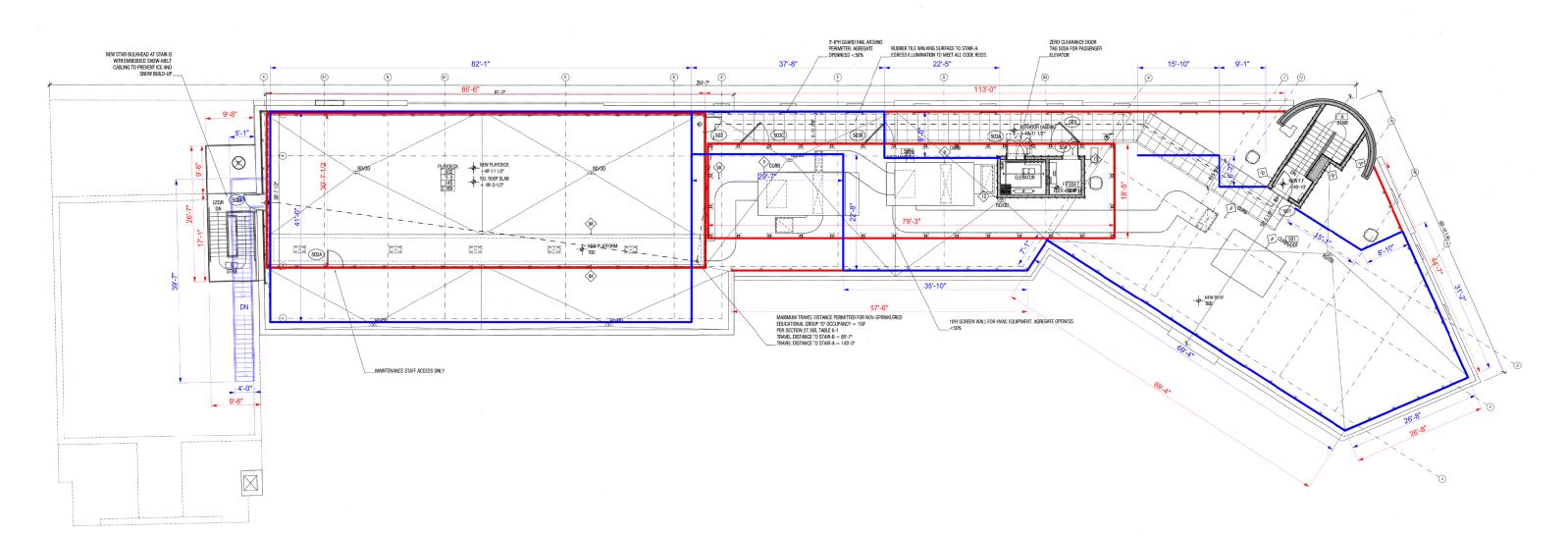




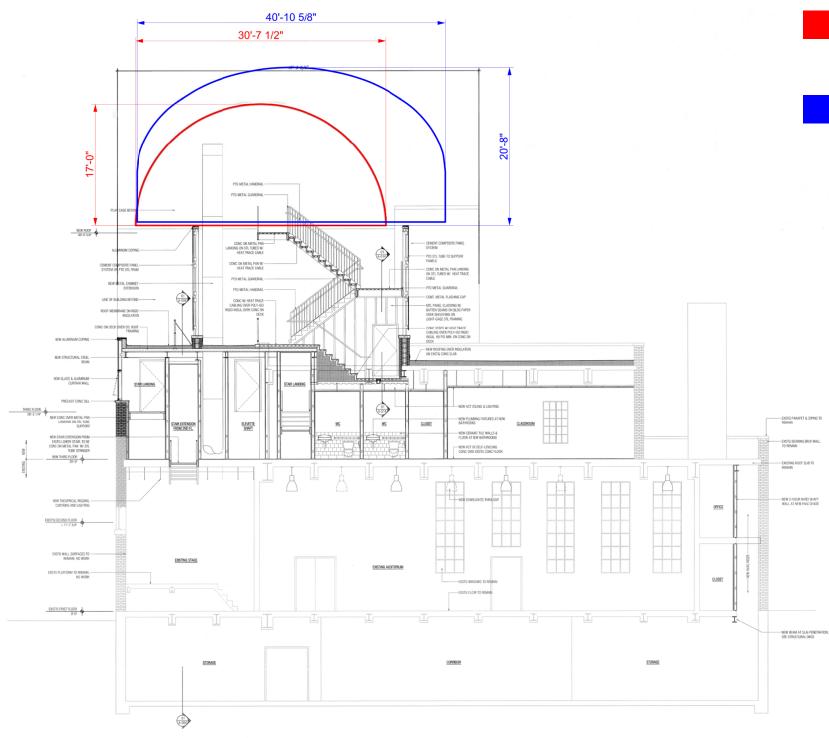
Plan Comparison
657 Greenwich Street - St. Luke's School

Plan underlay is from Certificate of Appropriateness 16-5387 issued 12-08-2014

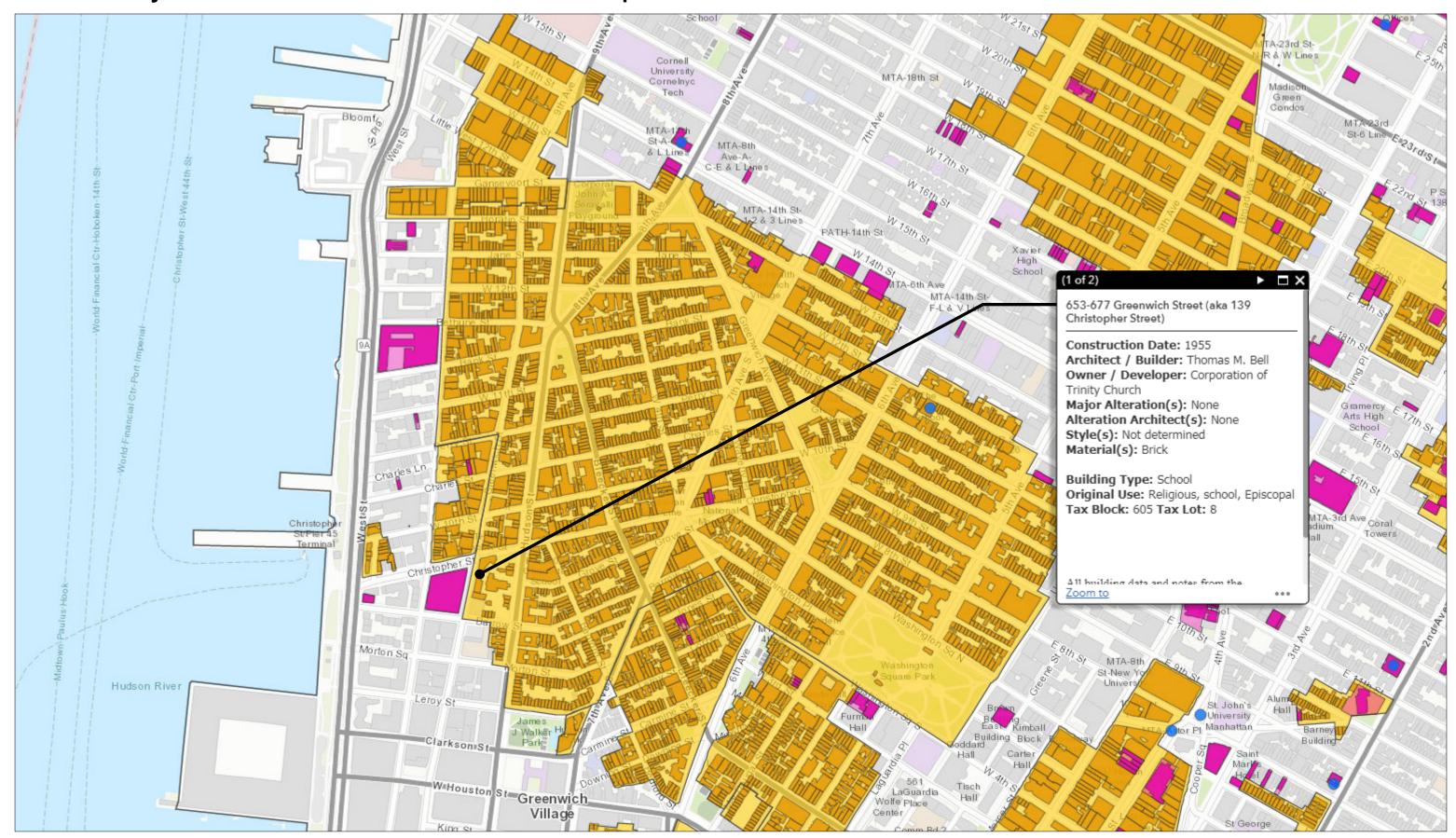
- Playcage and guardrail perimeter in Andrew Bartle Architects 2014 plan (Certificate of Appropriateness 16-5387)
- Playcage and guardrail perimeter and egress stair in Proposed Roof Plan (09-28-2021)



Section underlay is from Certificate of Appropriateness 16-5387 issued 12-08-2014



Proposed section (09-28-2021)



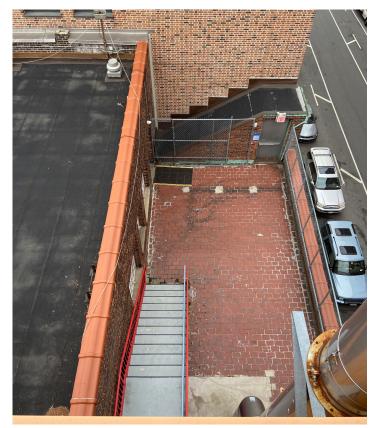
## **Existing Conditions**



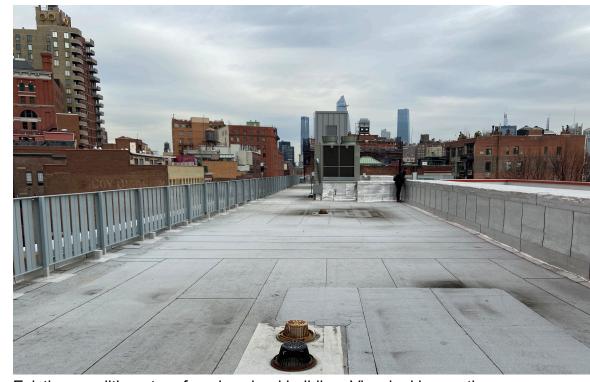
Existing conditions. View looking north along Greenwich Street.



Existing conditions. View looking southeast at intersection of Greenwich and Christopher streets.

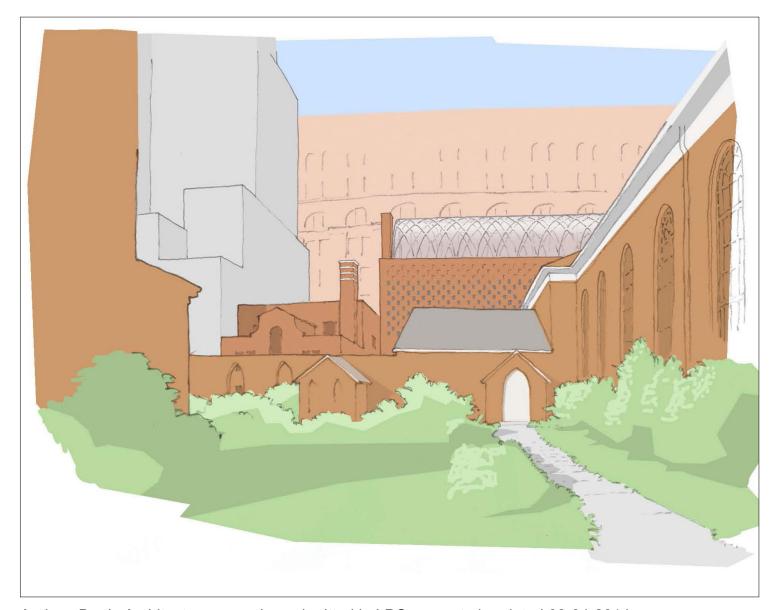


Existing condition at Convent building terrace.

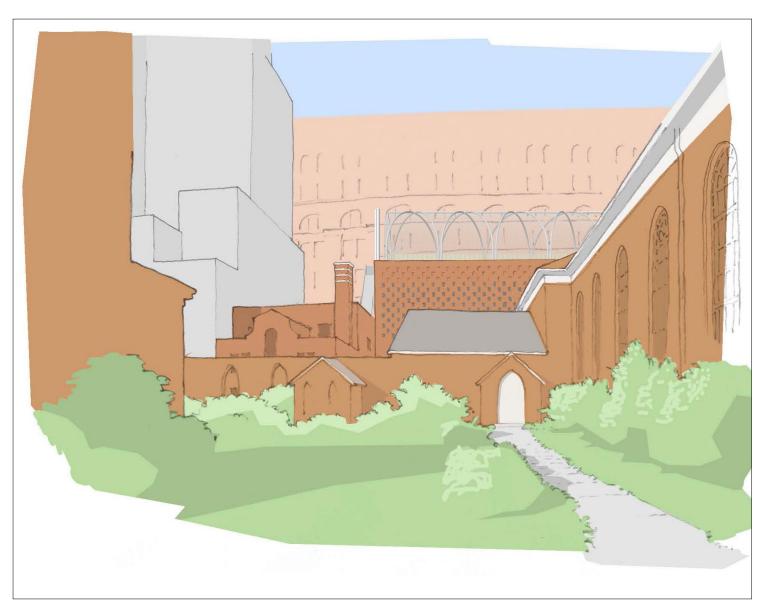


Existing condition at roof, main school building. View looking north.

Comparison perspectives 657 Greenwich Street - St. Luke's School



Andrew Bartle Architects perspective submitted in LPC presentation dated 02-04-2014



Proposed Marble Fairbanks design (09-28-2021)

Comparison perspectives 657 Greenwich Street - St. Luke's School



Andrew Bartle Architects perspective submitted in LPC presentation dated 02-04-2014



Proposed Marble Fairbanks design (09-28-2021)

Comparison perspectives 657 Greenwich Street - St. Luke's School



Andrew Bartle Architects perspective submitted in LPC presentation dated 02-04-2014



Proposed Marble Fairbanks design (09-28-2021)

Summary of Changes 657 Greenwich Street - St. Luke's School

|   | Eleme   | nts that exis | t in Certificate of A  | Appropriatenes   | ss 16-5387 issued 12-0  | 8-14, and to w   | hich MFA proposes desig  | n changes.                 | •                                       | l design element<br>f Appropriatenes |   |   |
|---|---|---------------|--|--|---|--|--|----------------------------|---|--------------------------------------|---|---|
|   |   | Playcage      |  | (  | Guardrail   | Exte   | erior egress stair   | Boiler flues               | Playca                                  | ge seating                           | Wall sa   | fety pads   |
|   | Height above finished roof  | Width         | Finish   | Height above finished roof   | Finish  | Stair type   | Finish   | Height above finished roof | Height<br>above<br>finished<br>roof     | Finish                               | Height<br>above<br>finished<br>roof                                       | Finish  |
| Certificate of<br>Appropriateness 16-<br>5387 issued 12-08-14 | 17'-0"  | 30'-7 1/2"    | Zinc-rich paint<br>finish w/ wire<br>mesh infill   | 3'-6"  | Galvanized  | Switchback,<br>concealed by<br>composite<br>panel wall   | Galvanized   | 20'-0"                     | 1001                                    |                                      | 1001  |   |
| MFA LPC<br>Presentation Set (09-<br>28-2021)                  | 20'-8"  | 40'-10 5/8"   | Painted steel<br>(MTL-2) with<br>stainless steel<br>wire mesh infill<br>(MTL-4). Painted<br>steel, light gray,<br>HEX number:<br>#d5d5d5 | 8'-0"  | Painted steel (MTL-2) support posts with stainless steel wire mesh infill (MTL-3). Painted steel, light gray, HEX number: #d5d5d5 | Straight-run   | Poured concrete-filled (CON-1) painted steel pan stairs (MTL-2) with guardrail (MTL-2/MTL-3). Painted steel, light gray, HEX number: #d5d5d5 | 23'-7 1/2"                 | Seat: 2'-4"<br>To top of<br>back: 5'-4" | Wood, stained                        | 3'-6" —<br>along north,<br>west, and<br>south<br>perimeter of<br>playcage | Seamless<br>fabric<br>covering,<br>light gray,<br>HEX number<br>#d5d5d5 |
| Reason for change   | The width and height of the playcage increased to conform with regulation court area dimensions for youth basetball, which requires a 42' width. The playcage height was increased because the recommended ceiling height for indoor basketball is 20' to the bottom of structure, which is the height of the proposed playing space. |               | members reque<br>increased safet<br>rooftop space.<br>will use a wire  | ested an 8' guardrail for<br>ty for children on the<br>The proposed guardrail<br>mesh that appears<br>e from a distance. | comply with zo separation between residential bui.  The composite once the designation of the stair. Installing                   | e wall panel was eliminated<br>on changed to a straight run<br>on paneled walls around the<br>ould create a large, | consultant, the flue will be expelling gases that could cause corrosion of the metal play cage, so the                                       |                            |   |                                      |   |   |

|        |   |             | N         | on-Occupiable     | Additions                |             |  |  |
|--------|---|-------------|-----------|-------------------|--------------------------|-------------|--|--|
|        |   | Elements th |           | in Certificate    | New, fixed               | design      |  |  |
|        |   | of Appropri |           |                   | elements that do not     |             |  |  |
|        |   | issued 12-0 |           |                   | appear in Certificate of |             |  |  |
| Vie    | w |             |           | gn changes.       | Appropriateness 16-5387  |             |  |  |
| number |   | / Срофос    |           | gii onungeei      | issued 12-08-14.         |             |  |  |
|        |   | Playcage    | Guard     | Exterior stair    | Playcage Playcage        |             |  |  |
|        |   |             | rail      | & mech. flue      | seating                  | wall safety |  |  |
|        |   |             |           |                   |                          | pads        |  |  |
|        |   |             |           |                   |                          | •           |  |  |
| 1      |   | NV          | V         | NV                | NV                       | NV          |  |  |
| 2      |   | NV          | V         | NV                | NV                       | NV          |  |  |
| 3      |   | V           | V         | NV                | NV                       | V           |  |  |
| 4      |   | V           | V         | V                 | NV                       | V           |  |  |
| 5      |   | V           | V         | V                 | NV                       | V           |  |  |
| 6      |   | MIN V       | NV        | NV                | NV                       | NV          |  |  |
| 7      |   | NV          | V         | NV                | NV                       | NV          |  |  |
| 8      |   | V           | V         | V                 | MIN V                    | NV          |  |  |
| 9      |   | V           | V         | V                 | MIN V                    | NV          |  |  |
| 10     |   | V           | V         | NV                | NV                       | NV          |  |  |
| 11     |   | NV          | V         | NV                | NV                       | NV          |  |  |
| 12     |   | NV          | NV        | NV                | NV                       | NV          |  |  |
| 13     |   | V           | V         | V                 | NV                       | V           |  |  |
| 14     |   | V           | V         | V                 | NV                       | V           |  |  |
|        |   | view elimi  | nated fro | om presentation l | because it was to        | ken from    |  |  |
| 15     |   |             |           | street            |                          |             |  |  |
| 16     |   | NV          | NV        | NV                | NV                       | NV          |  |  |
| 17     |   | NV          | NV        | NV                | NV                       | NV          |  |  |
| 18     |   | NV          | V         | NV                | NV                       | NV          |  |  |
| 19     |   | V           | V         | V                 | MIN V                    | NV          |  |  |
| 20     |   | V           | V         | <b>V</b>          | MIN V                    | V           |  |  |
| 21     |   | V           | NV        | V                 | NV                       | V           |  |  |
| 22     |   | NV          | NV        | NV                | NV                       | NV          |  |  |
| 23     |   | V           | V         | <b>V</b>          | NV                       | MIN V       |  |  |
| 24     |   | V           | V         | <b>V</b>          | NV                       | V           |  |  |
| 25     |   | V           | V         | NV                | NV                       | V           |  |  |
| 26     |   | V           | V         | V                 | NV                       | V           |  |  |
| 27     |   | V           | V         | V                 | NV                       | V           |  |  |
| 28     |   | V           | V         | V                 | NV                       | V           |  |  |
| 29     |   | V           | V         | V                 | NV                       | V           |  |  |
| 30     |   | NV          | NV        | NV                | NV                       | NV          |  |  |
| 31     |   | V           | V         | NV                | MIN V                    | NV          |  |  |
| 32     |   | V           | NV        | V                 | V                        | V           |  |  |
| 33     |   | NV          | NV        | NV                | NV                       | NV          |  |  |
| 34     |   | V           | V         | V                 | MIN V                    | NV          |  |  |
| 35     |   | V           | V         | V                 | MIN V                    | NV          |  |  |
| 36     |   | NV          | NV        | NV                | NV                       | NV          |  |  |
| 37     |   | V           | V         | NV                | NV                       | NV          |  |  |

|      |     | Non-Occupiable Additions |           |                |   |             |  |  |  |  |
|------|-----|--------------------------|-----------|----------------|---|-------------|--|--|--|--|
|      |     | Elements th              | at exist  | in Certificate | New, fixed design   |             |  |  |  |  |
|      |     | of Appropri              | ateness   | 16-5387        | elements that do not<br>appear in Certificate of<br>Appropriateness 16-5387 |             |  |  |  |  |
|      |     | issued 12-0              | 8-14, and | d to which     |   |             |  |  |  |  |
| Vie  |     | MFA propos               | ses desi  | gn changes.    |   |             |  |  |  |  |
| numl | oer |                          | T 1       |                | issued 12-08-14.  |             |  |  |  |  |
|      |     | Playcage                 | Guard     | Exterior stair | Playcage  | Playcage    |  |  |  |  |
|      |     |                          | rail      | & mech. flue   | seating   | wall safety |  |  |  |  |
|      |     |                          |           |                |   | pads        |  |  |  |  |
| 38   |     | NV                       | NV        | NV             | NV  | NV          |  |  |  |  |
| 39   |     | NV                       | NV        | NV             | NV  | NV          |  |  |  |  |
| 40   |     | NV                       | NV        | NV             | NV  | NV          |  |  |  |  |
| 41   |     | V                        | NV        | V              | MIN V   | NV          |  |  |  |  |
| 42   |     | V                        | V         | V              | MIN V   | NV          |  |  |  |  |
| 43   |     | V                        | V         | V              | MIN V   | NV          |  |  |  |  |
| 44   |     | V                        | V         | NV             | MIN V   | NV          |  |  |  |  |
| 45   |     | V                        | V         | NV             | MIN V   | NV          |  |  |  |  |
| 46   |     | V                        | NV        | V              | MIN V   | NV          |  |  |  |  |
| 47   |     | V                        | V         | V              | NV  | MIN V       |  |  |  |  |
| 48   |     | V                        | V         | V              | NV  | MIN V       |  |  |  |  |
| 49   |     | V                        | V         | NV             | NV  | MIN V       |  |  |  |  |
| 50   |     | V                        | V         | V              | NV  | MIN V       |  |  |  |  |
| 51   |     | NV                       | V         | NV             | NV  | NV          |  |  |  |  |
| 52   |     | NV                       | V         | NV             | NV  | NV          |  |  |  |  |
| 53   |     | NV                       | V         | NV             | NV  | NV          |  |  |  |  |
| 54   |     | NV                       | V         | NV             | NV  | NV          |  |  |  |  |
| 55   |     | NV                       | NV        | NV             | NV  | NV          |  |  |  |  |
| 56   |     | NV                       | V         | NV             | NV  | NV          |  |  |  |  |
| 57   |     | NV                       | NV        | NV             | NV  | NV          |  |  |  |  |
| 58   |     | NV                       | V         | NV             | NV  | NV          |  |  |  |  |
| 59   |     | NV                       | V         | NV             | NV  | NV          |  |  |  |  |
| 60   |     | V                        | V         | V              | NV  | V           |  |  |  |  |

### **Matrix Legend**

V = Visible MIN V = Minimally Visible, per LPC definition

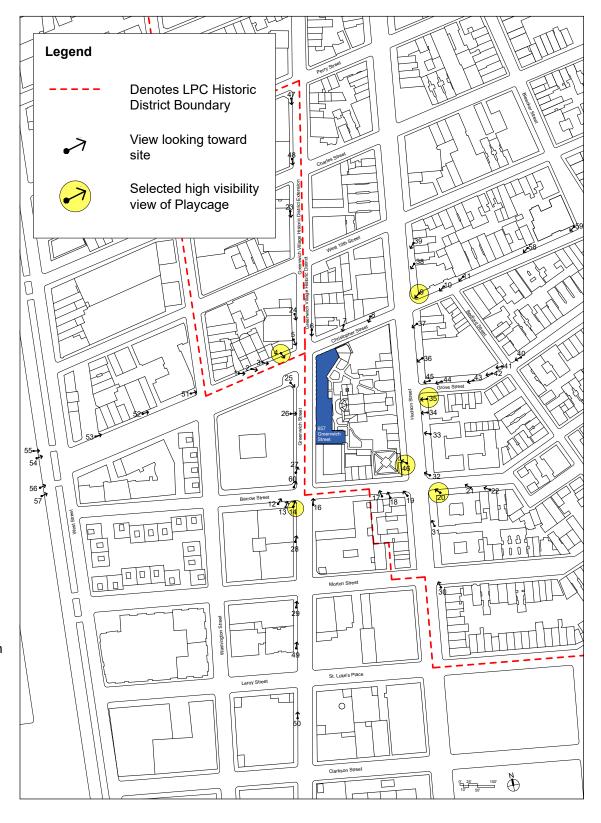
NV = Not Visible VU = Visibility Unclear

V = Seasonal Visibility

Selected high visibility view of playcage, as identified by Marble Fairbanks Architects. These views are taken at some of the locations where the playcage is clearly visible. They were selected for comparative study with the previously-approved designs (pages 13-23).

#### Notes:

- All perspective views on consequent pages were generated from a 6' height view, using a 3D computer model of the site.
- Mock-up photos were take from a height of 5'-6".
- Some views of the playcage will be concealed by trees during spring, summer, and fall months. This condition is studied in views 9, 20, 34, and 46, but is not limited to those views.



\*see page 30 in appendix for corresponding views

View looking southeast from Greenwich Street at Christopher Street. See page 31 for further studies of this view.



Photo collage of current proposal—guardrail, playcage, wall safety pads, and mechanical flues are visible.



Unaltered photograph of guardrail mock-up

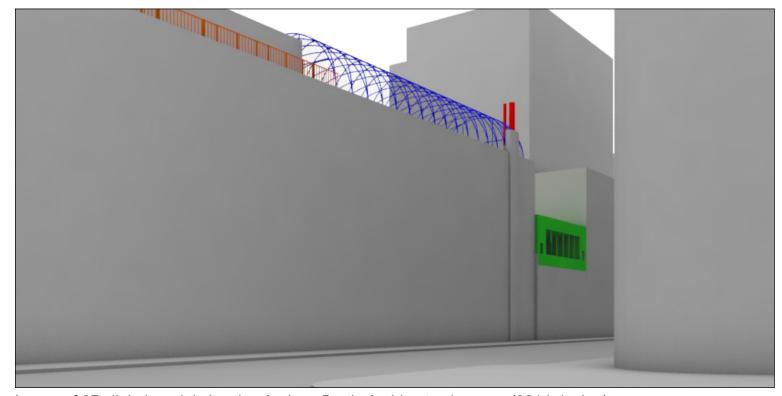
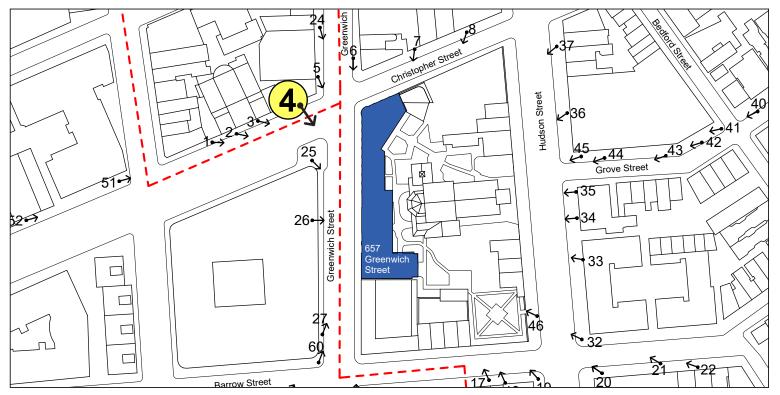


Image of 3D digital model showing Andrew Bartle Architects playcage (2014 design)



View looking southwest from Hudson Street at Christopher Street. See page 32 for further studies of this view.



Photo collage of current proposal—playcage and guardrail are visible. Mechanical flues are visible seasonally.



Unaltered photograph of guardrail mock-up

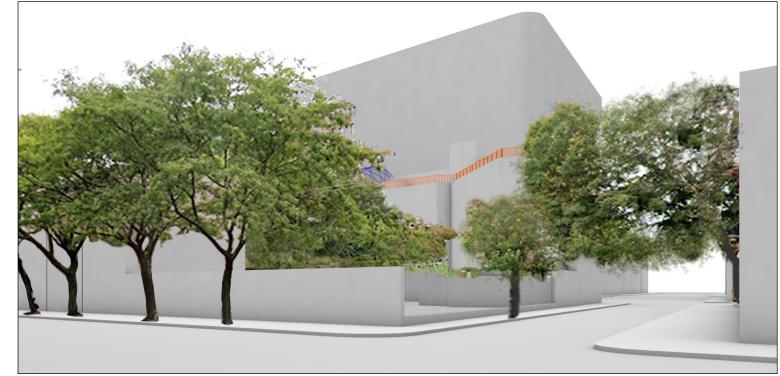
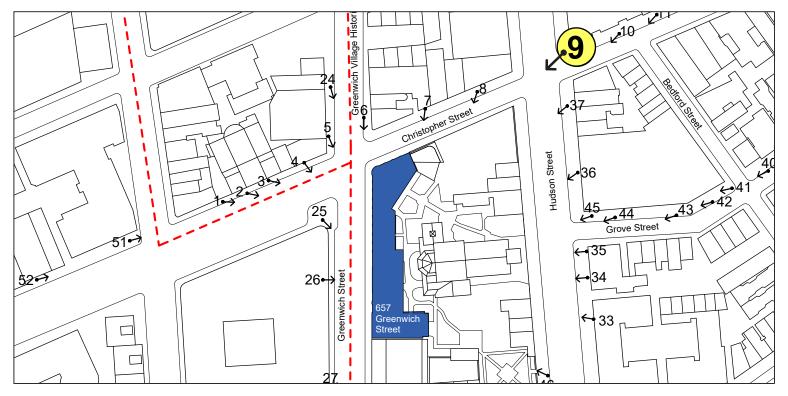


Photo collage showing Andrew Bartle Architects playcage (2014 design)



View looking northeast from Greenwich Street at Barrow Street. See page 34 for further studies of this view.



Photo collage of current proposal—playcage, guardrail, exterior stair, mechanical flues, and wall safety pads are visible.



Unaltered photograph of guardrail mock-up

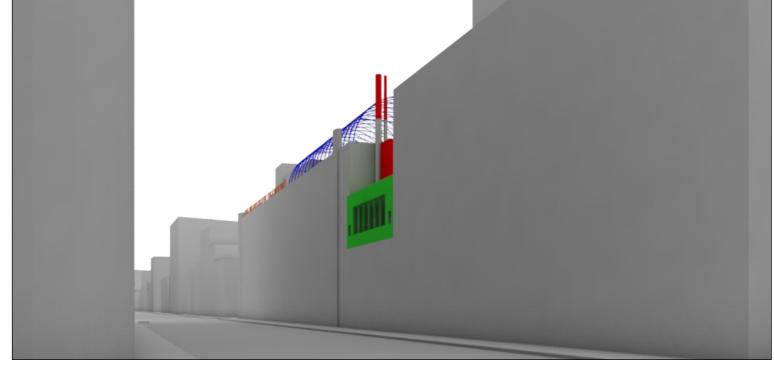
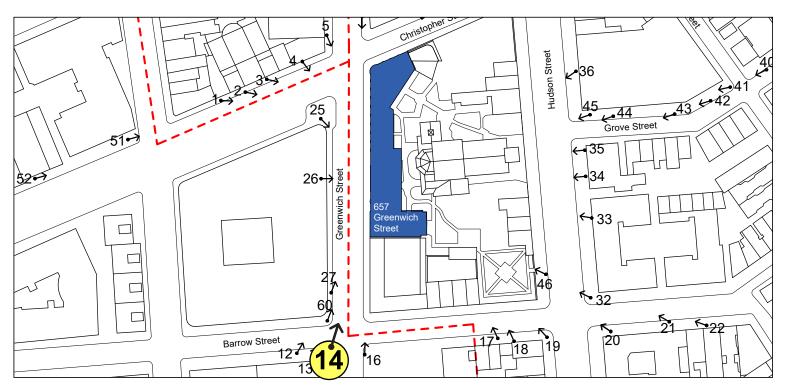


Image of 3D digital model showing Andrew Bartle Architects playcage (2014 design)



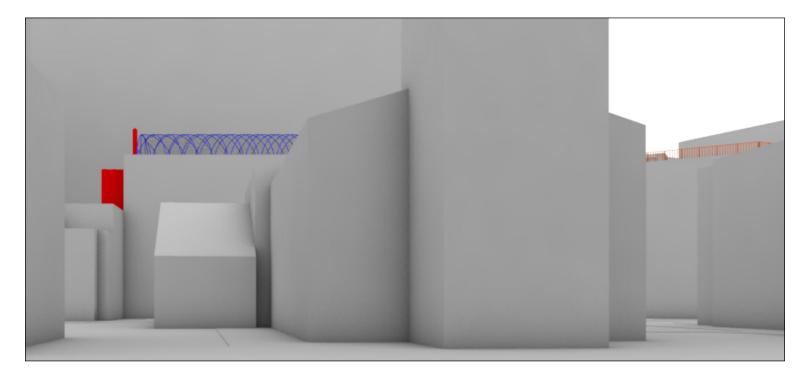
View looking west from Hudson Street between Grove and Barrow Streets. See pages 5 and page 37 for further studies of this view.



Photo collage of current proposal— shows visibility of playcage, playcage seating, and guardrail without seasonal tree coverage.



Unaltered photograph of guardrail mock-up (visible seasonally)



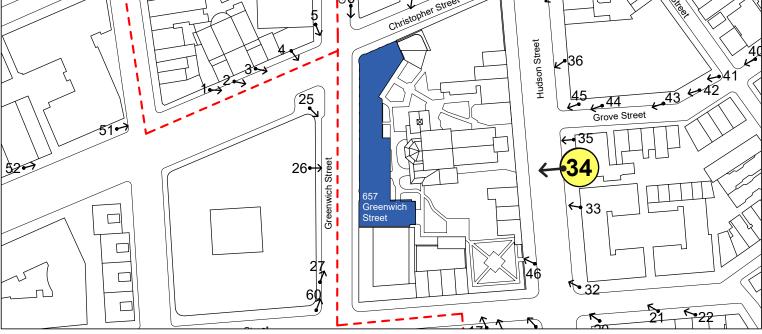
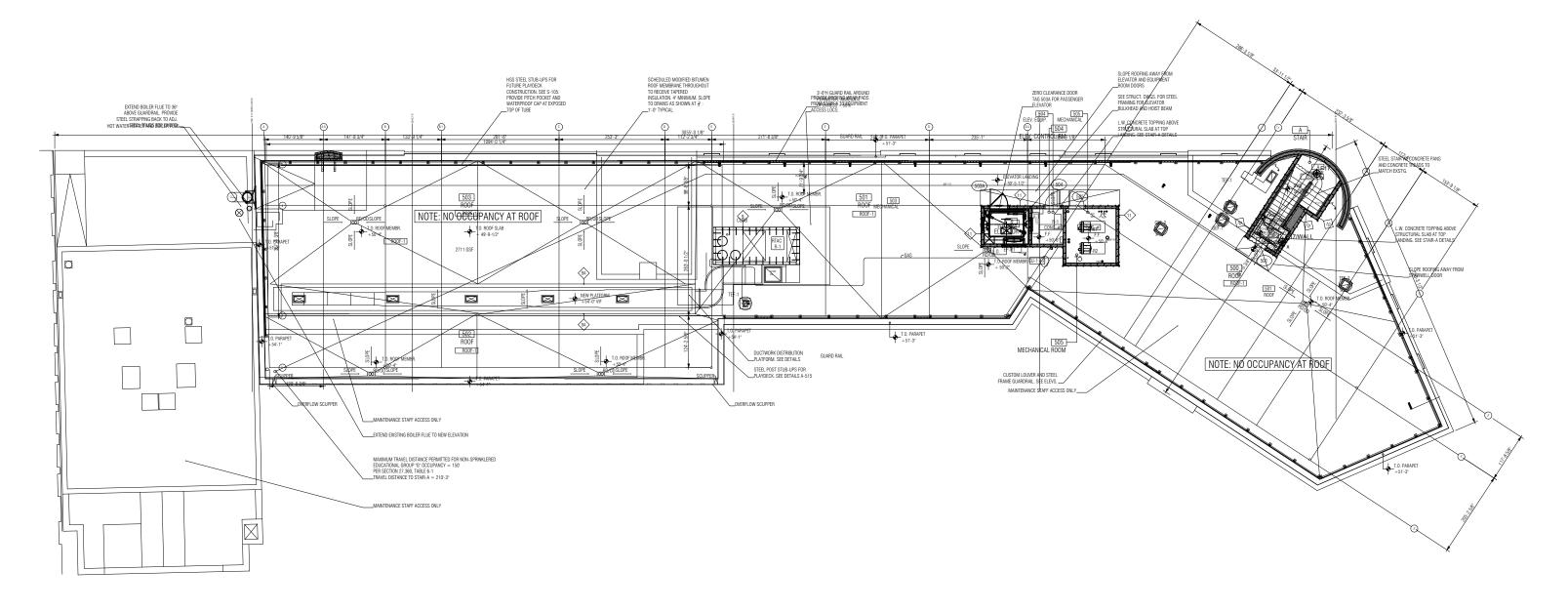
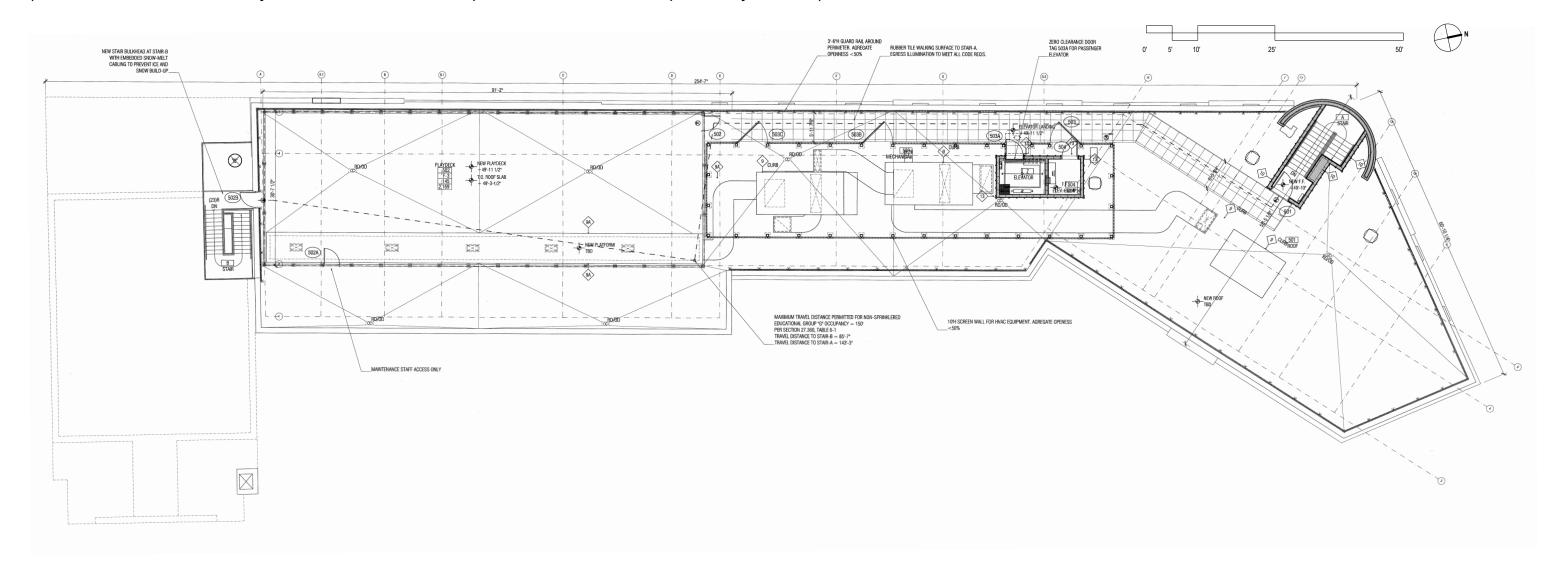


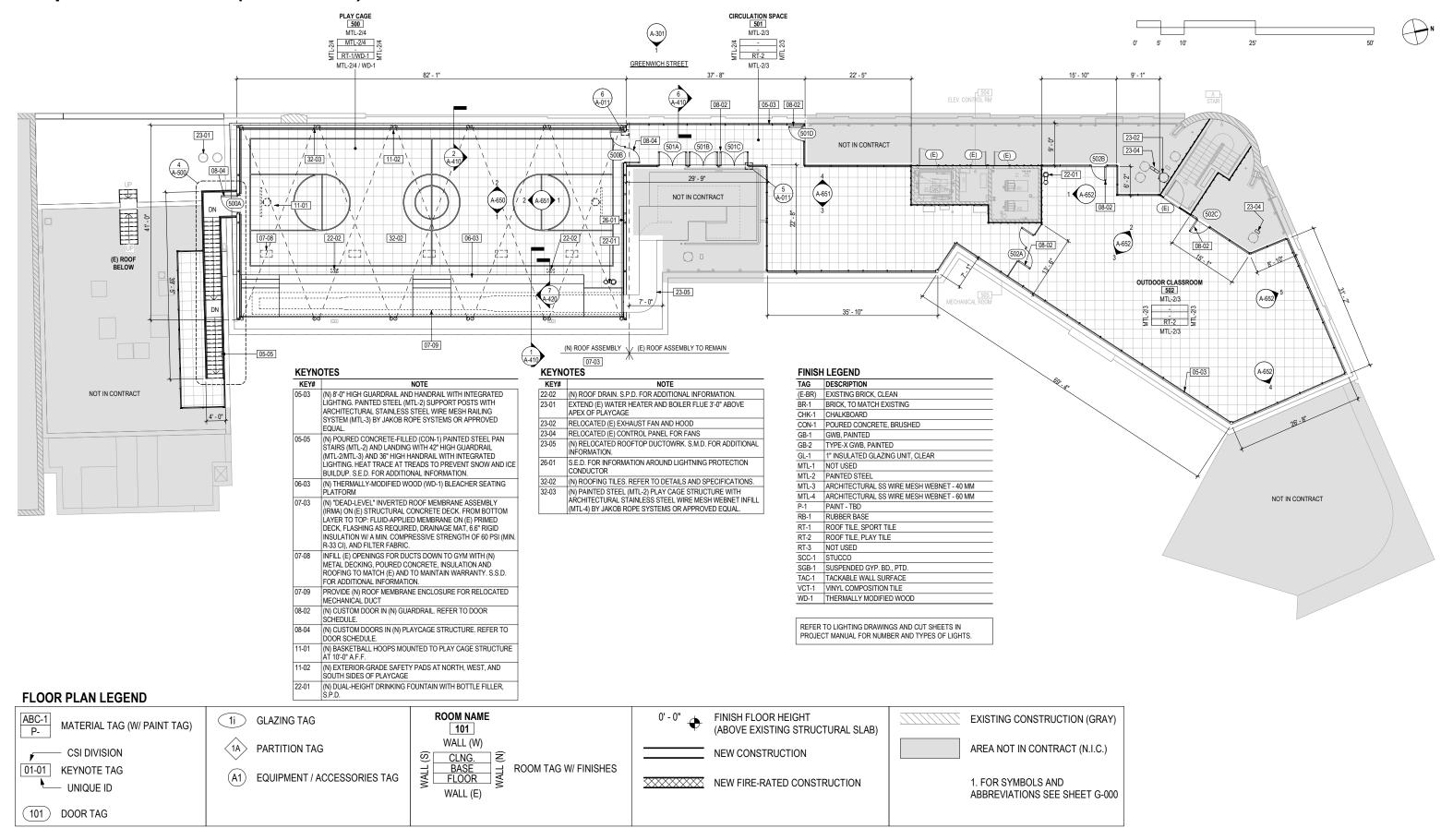
Image of 3D digital model showing Andrew Bartle Architects playcage (2014 design)



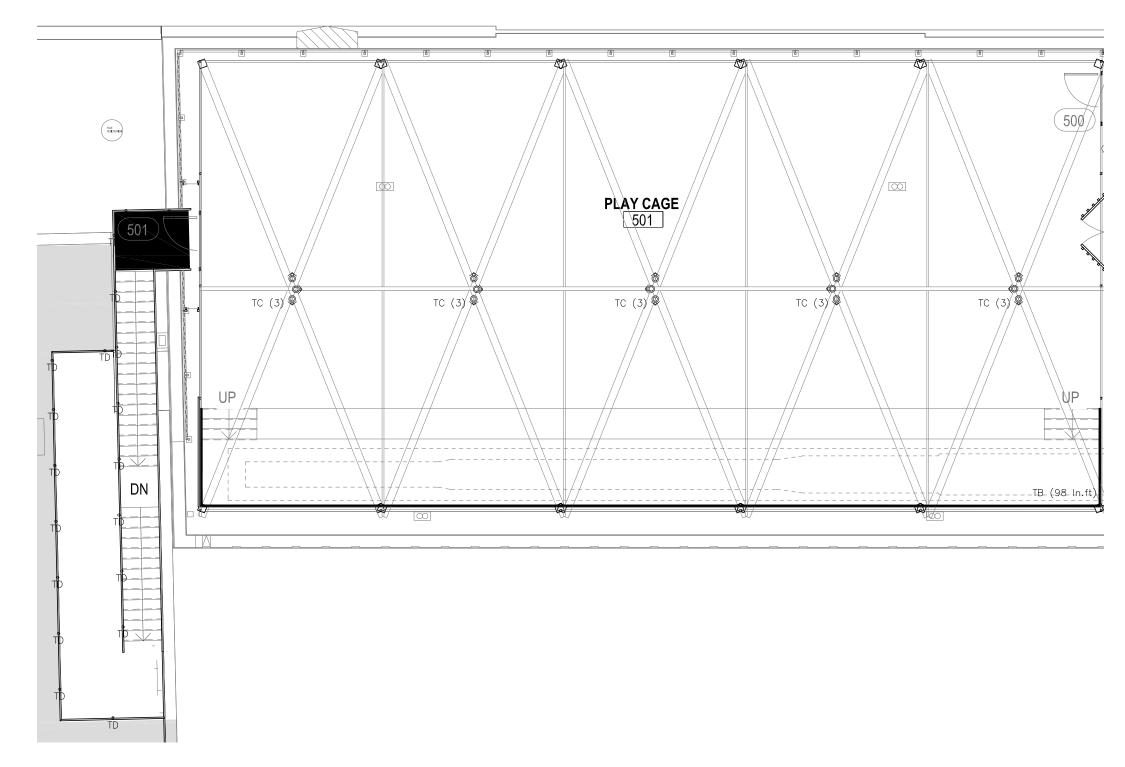








**Lighting Plan** 657 Greenwich Street - St. Luke's School



## TB

Manufacturer: Q-tran

Linear wet-location linear LED fixture

Location: Underbench lighting at playcage seating

98 linear feet

## TC

Manufacturer: Bega Lighting Surface mounted 3500°K LED flood light Location: along apex of playcage, down light

Number of lights: 15

### TD

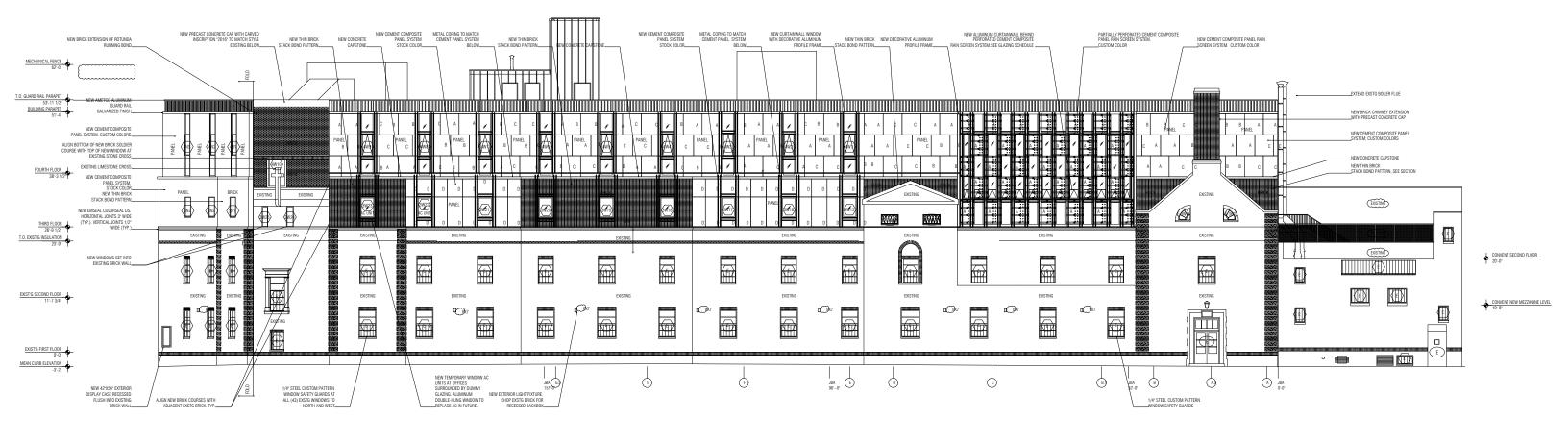
Manufacturer: Alphabet

Stainless steel 3500°K LED puck light

Location: Handrail lighting at stair and roof railings

369 linear feet

Existing Elevation 657 Greenwich Street - St. Luke's School

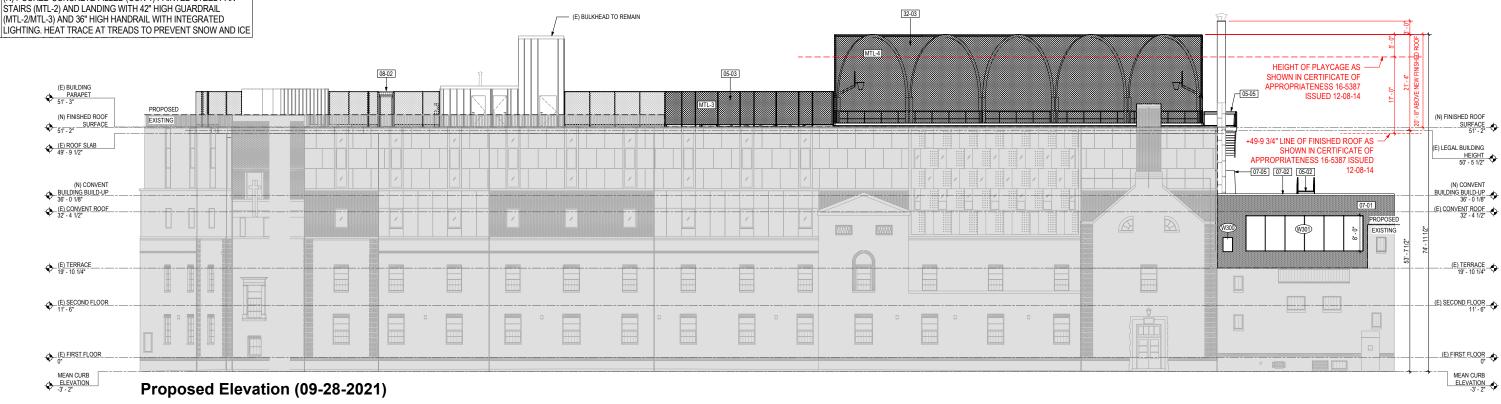


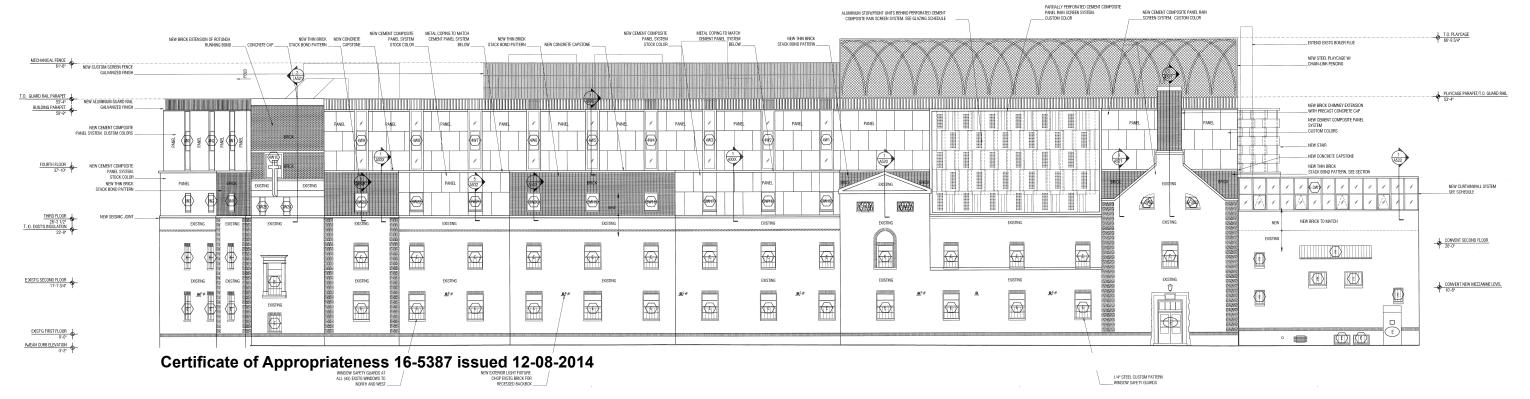
## **Elevation Comparison**

| KEY#  | NOTE   |
|-------|--|
| 05-02 | (N) 44" WIDE PRE-FABRICATED ALUMINUM CROSSOVER BRIDGE  |
| 05-03 | (N) 8'-0" HIGH GUARDRAIL AND HANDRAIL WITH INTEGRATED LIGHTING. PAINTED STEEL (MTL-2) SUPPORT POSTS WITH ARCHITECTURAL STAINLESS STEEL WIRE MESH RAILING SYSTEM (MTL-3) BY JAKOB ROPE SYSTEMS OR APPROVED EQUAL. |
| 05-05 | (N) POURED CONCRETE-FILLED (CON-1) PAINTED STEEL PAN   |

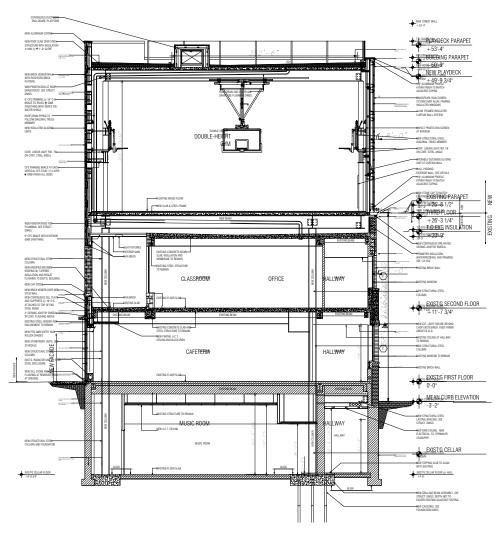
08-02 (N) CUSTOM DOOR IN (N) GUARDRAIL. REFER TO DOOR SCHEDULE.

32-03 (N) PAINTED STEEL (MTL-2) PLAY CAGE STRUCTURE WITH ARCHITECTURAL STAINLESS STEEL WIRE MESH WEBNET INFILL (MTL-4) BY JAKOB ROPE SYSTEMS OR APPROVED EQUAL.



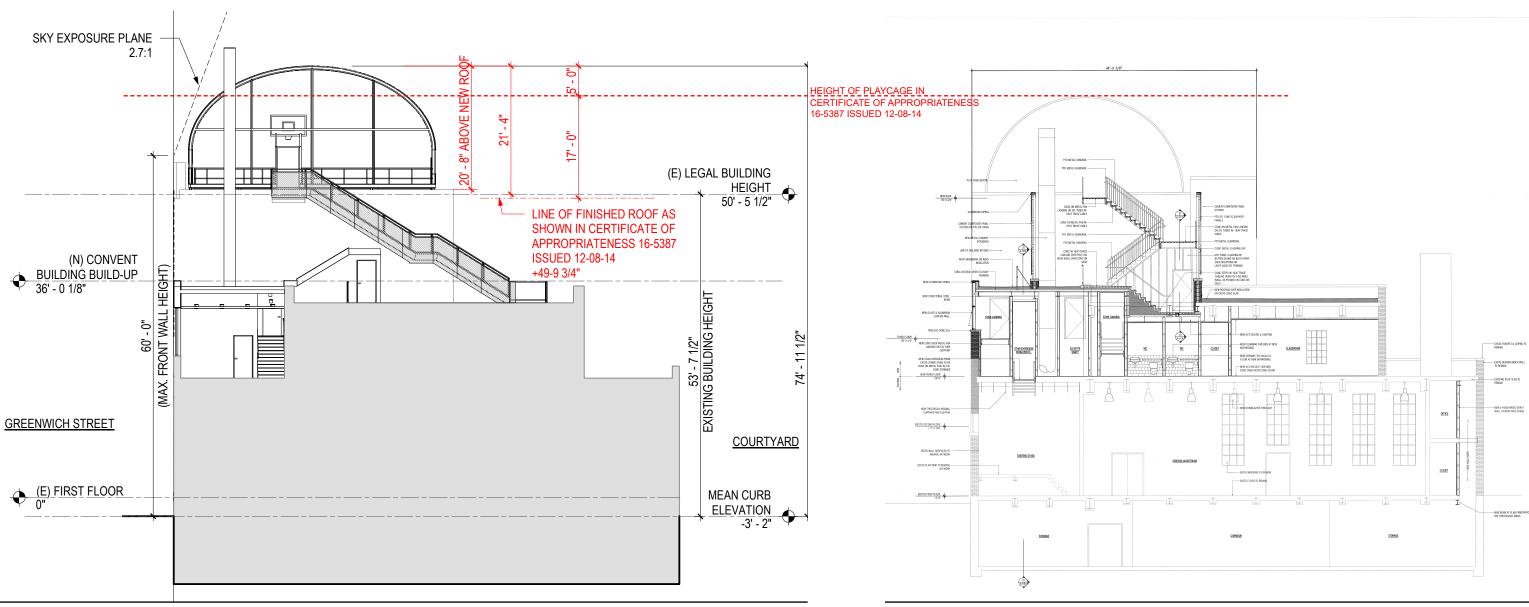


Existing Section 657 Greenwich Street - St. Luke's School



view looking south

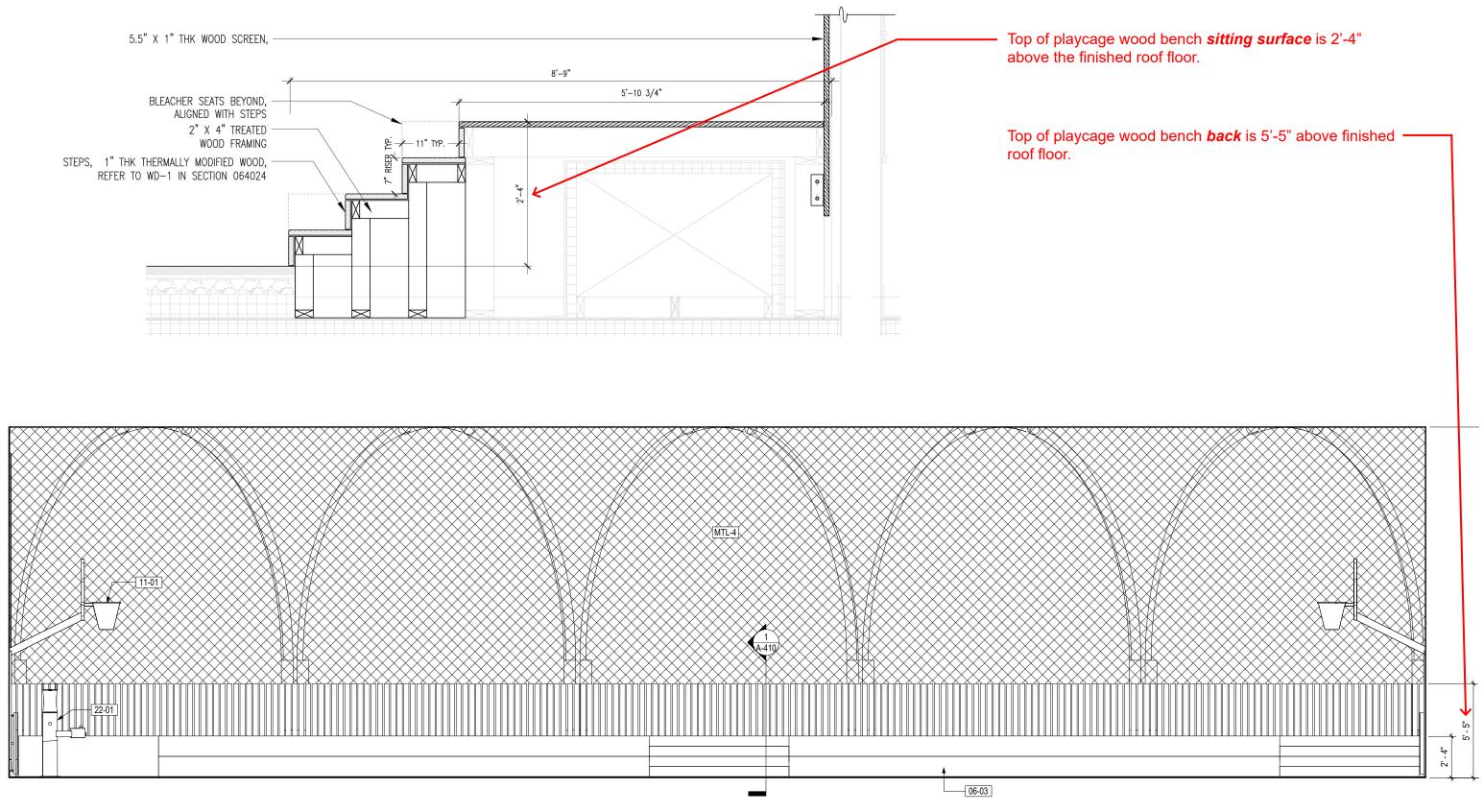
Section Comparison 657 Greenwich Street - St. Luke's School



Proposed Section (09-28-2021)

view looking north

Certificate of Appropriateness 16-5387 issued 12-08-2014 view looking north



Playcage — east elevation

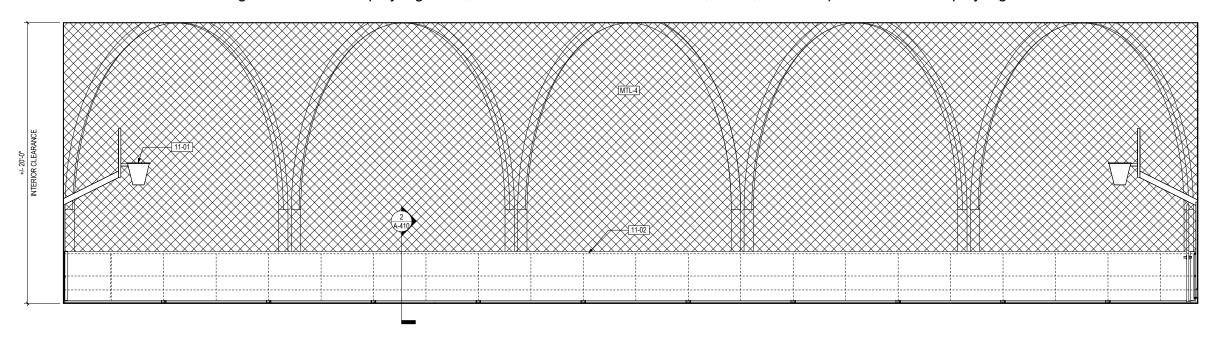
## Playcage wall safety pads (09-28-2021)

## **Product Specification:**

Exterior grade wall panels as manufactured by Draper, Inc., Jay Pro or approved equal.

Wall Safety Pads: 3" thick, padded wall panels consisting of fill laminated to backer board with visible surfaces fully covered by seamless fabric covering, free of sag and wrinkles and firmly attached to back of backer board.

Pads extend 3'-6" above the height of the finished playcage floor, and will be installed on the north, south, and east perimeters of the playcage.



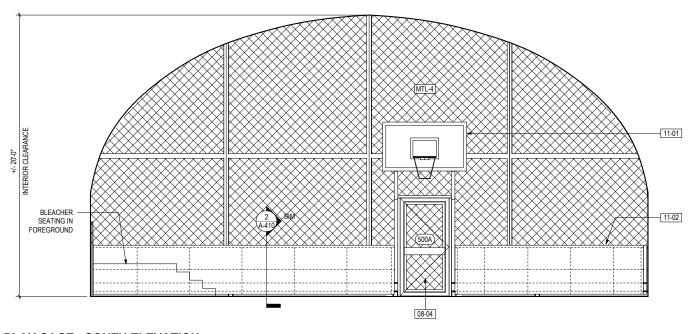
### 657 Greenwich Street - St. Luke's School

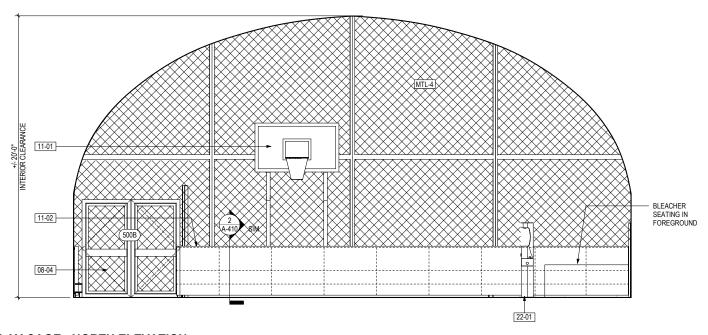
| FINISH LEGEND |   |  |  |  |  |
|---------------|---|--|--|--|--|
| TAG           | DESCRIPTION                               |  |  |  |  |
| (E-BR)        | EXISTING BRICK, CLEAN                     |  |  |  |  |
| BR-1          | BRICK, TO MATCH EXISTING                  |  |  |  |  |
| CHK-1         | CHALKBOARD                                |  |  |  |  |
| CON-1         | POURED CONCRETE, BRUSHED                  |  |  |  |  |
| GB-1          | GWB, PAINTED                              |  |  |  |  |
| GB-2          | TYPE-X GWB, PAINTED                       |  |  |  |  |
| GL-1          | 1" INSULATED GLAZING UNIT, CLEAR          |  |  |  |  |
| MTL-1         | NOT USED                                  |  |  |  |  |
| MTL-2         | PAINTED STEEL                             |  |  |  |  |
| MTL-3         | ARCHITECTURAL SS WIRE MESH WEBNET - 40 MM |  |  |  |  |
| MTL-4         | ARCHITECTURAL SS WIRE MESH WEBNET - 60 MM |  |  |  |  |
| P-1           | PAINT - TBD                               |  |  |  |  |
| RB-1          | RUBBER BASE                               |  |  |  |  |
| RT-1          | ROOF TILE, SPORT TILE                     |  |  |  |  |
| RT-2          | ROOF TILE, PLAY TILE                      |  |  |  |  |
| RT-3          | NOT USED                                  |  |  |  |  |
| SCC-1         | STUCCO                                    |  |  |  |  |
| SGB-1         | SUSPENDED GYP. BD., PTD.                  |  |  |  |  |
| TAC-1         | TACKABLE WALL SURFACE                     |  |  |  |  |
| VCT-1         | VINYL COMPOSITION TILE                    |  |  |  |  |
| WD-1          | THERMALLY MODIFIED WOOD                   |  |  |  |  |

#### KEYNOTES

| KEY#  | NOTE  |
|-------|---|
| 05-03 | (N) 8-0" HIGH GUARDRAIL AND HANDRAIL WITH INTEGRATED LIGHTING. PAINTED STEEL (MTL-2) SUPPORT POSTS WITH ARCHITECTURAL STAINLESS STEEL WIRE MESH RAILING SYSTEM (MTL-3) BY JAKOB ROPE SYSTEMS OR APPROVED EQUAL. |
| 08-02 | (N) CUSTOM DOOR IN (N) GUARDRAIL. REFER TO DOOR SCHEDULE.   |
| 08-04 | (N) CUSTOM DOORS IN (N) PLAYCAGE STRUCTURE. REFER TO DOOR SCHEDULE.   |
| 11-01 | (N) BASKETBALL HOOPS MOUNTED TO PLAY CAGE STRUCTURE AT 10'-0" A.F.F.  |
| 11-02 | (N) EXTERIOR-GRADE SAFETY PADS AT NORTH, WEST, AND SOUTH SIDES OF PLAYCAGE  |
| 22-01 | (N) DUAL-HEIGHT DRINKING FOUNTAIN WITH BOTTLE FILLER, S.P.D.  |

### 500 PLAY CAGE - EAST ELEVATION

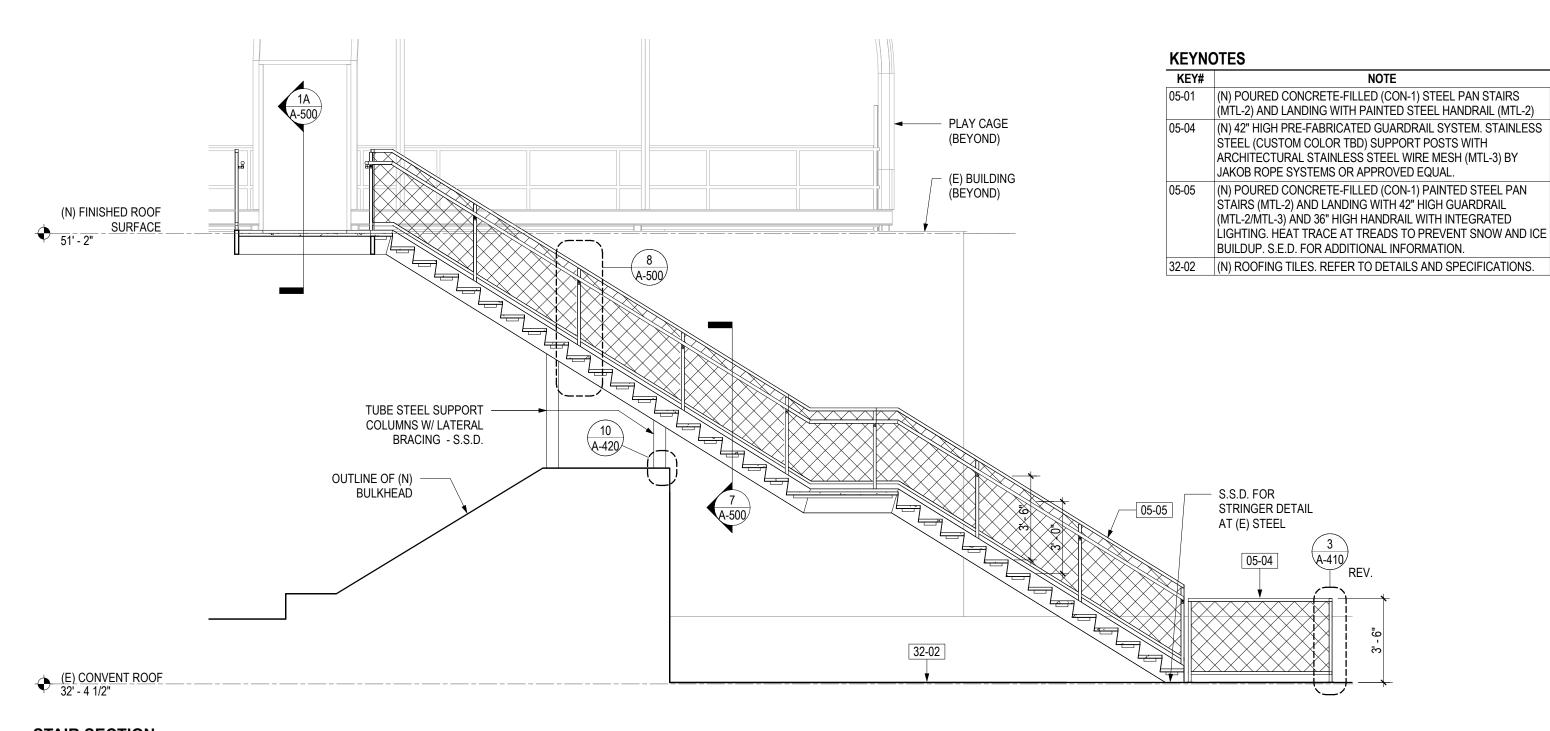




| 500 PLAY CAGE - SOUTH ELEVATION

500 PLAY CAGE - NORTH ELEVATION

Exterior stair details (09-28-2021)



## **STAIR SECTION**

### TB

Manufacturer: Q-tran

Model number: KURV-SW-WSC-WET-30-VHO-ENC/TL-\*-\*\*-CL-\*\*\*

Description: Linear wet-location linear LED fixture .49" height by .69" width on 45 degree bracket. Fixture mounted within architectural detail under bench. Fixture to include remote dimmable driver (down to .1% light output), by manufacturer. Fixture to include remote driver(s) by manufacturer.

Location: Underbench lighting at playcage seating



### TC

Manufacturer: Bega Lighting

Model number: 84518 K3 with Glare shield (79-510)

Description: Surface mounted 3500°K LED flood light,14-3/4" overall height x 16" diameter, with wide flood degree beam spread optic, 360 glare shield, Mounted to standard wet location junction box with conduit knock-outs for surface mounting to structure.

Finish: matte, textured, polyester powder coat, Silver

Location: along apex of playcage, down light



### TD

Manufacturer: Alphabet

Model number: ZETA750-3-1-2-2

Description: Stainless steel 3500°K LED puck light with asymmetric optics and remote 0-10v dimmable driver (down to 1% light output), by manufacturer. To be installed in handrail (by others). Drivers to be located in NEMA rated enclosure, if required, provided by contractor. Fixture is installed in architectural handrail, as specified and provided by others.

Location: Handrail lighting at stair and roof railings





Material Palette 657 Greenwich Street - St. Luke's School

## **CON-1: POURED CONCRETE, BRUSHED**

For poured concrete-filled painted steel pan exterior egress stair.



### WD-1 THERMALLY MODIFIED WOOD

For playcage seating



## MTL-2: PAINTED STEEL, light gray

For painted steel playcage structure, painted steel pan stair, and painted steel guardrail supports

## MTL-4: ARCHITECTURAL SS WIRE MESH Webnet N2 Micro by Jakob Rope System

For playcage structure wire mesh infill and guardrail wire mesh infill





Light gray color swatch for painted steel playcage structure, painted steel pan stair, and painted steel guardrail supports (HEX number: #d5d5d5)

Wall safety pads along north, west, and south of playcage perimeter.

Seamless fabric covering, light gray



Light gray color swatch for wall safety pads (HEX number: #d5d5d5)

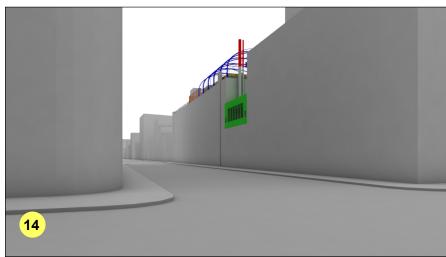
## **Appendix**



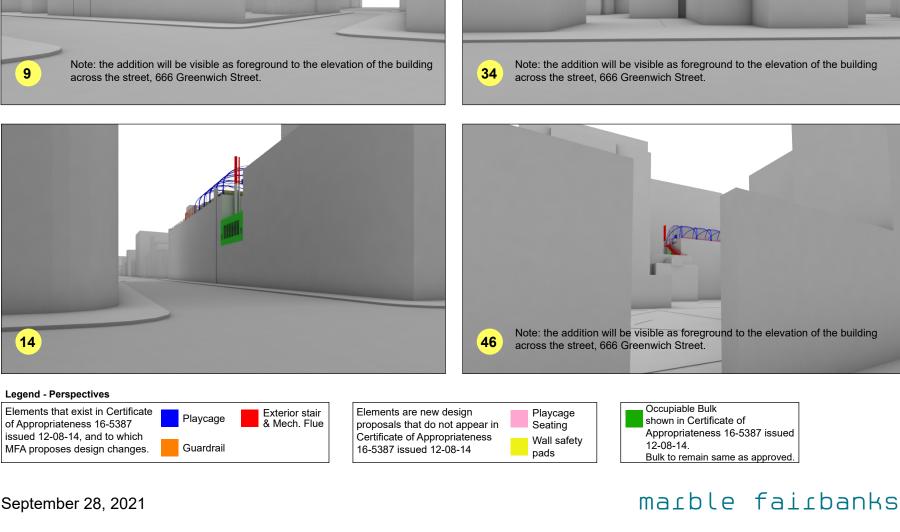


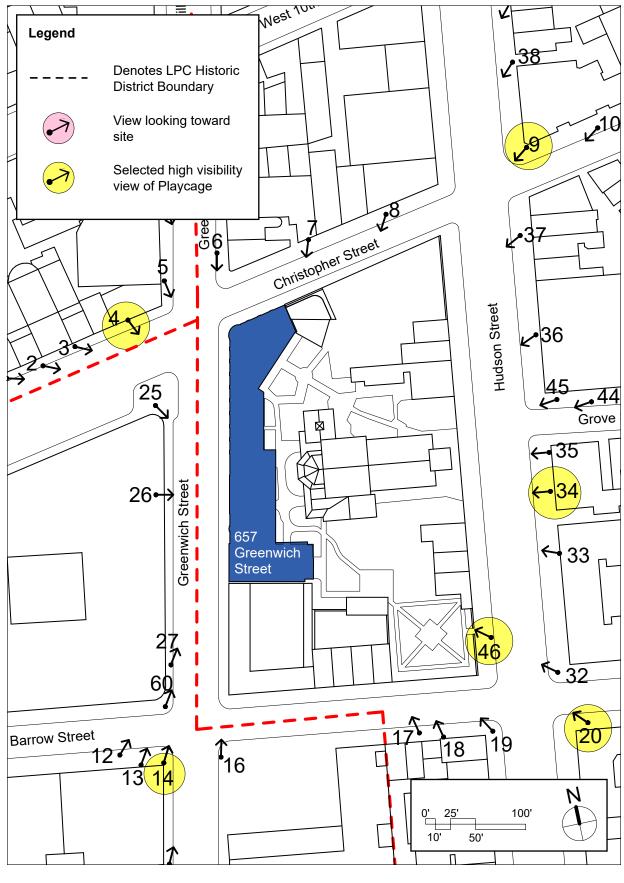












Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

shown in Certificate of

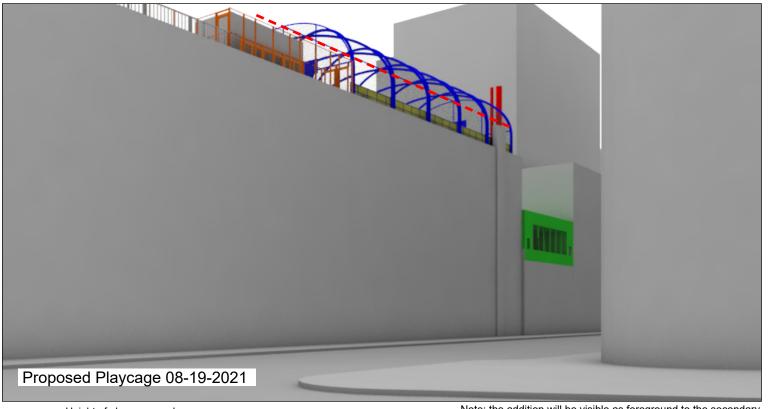
Appropriateness 16-

5387 issued 12-08-14.

Bulk to remain same as

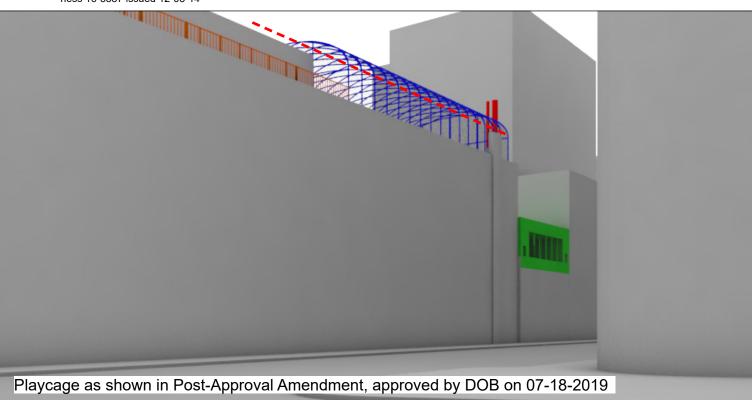
approved.

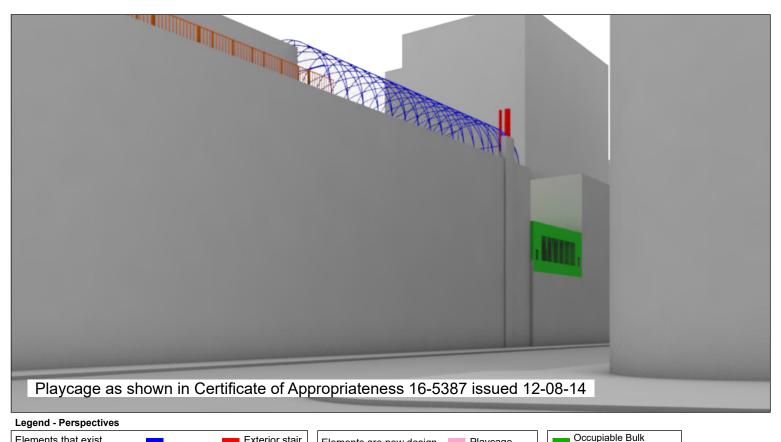
View looking southeast from Greenwich Street at Christopher Street



Height of playcage as shown in Certificate of Appropriateness 16-5387 issued 12-08-14

Note: the addition will be visible as foreground to the secondary elevation of the adjacent taller building, 100 Barrow Street.





Elements are new design

proposals that do not

issued 12-08-14.

appear in Certificate of

Appropriateness 16-5387

Playcage

Wall safety

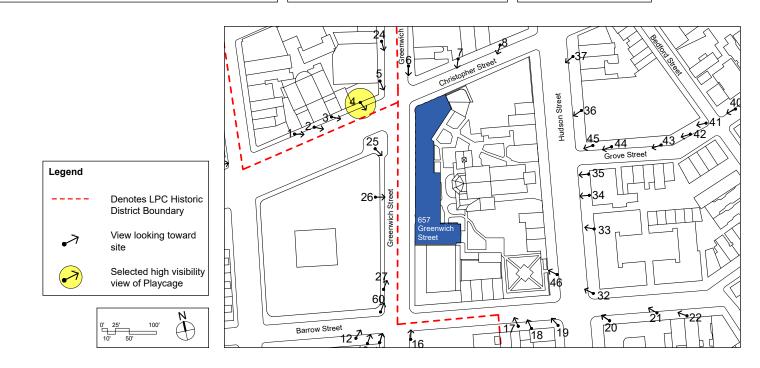
Seating

pads

Exterior stair

Guardrail

& Mech. Flue



Elements that exist

Appropriateness 16-5387

issued 12-08-14, and

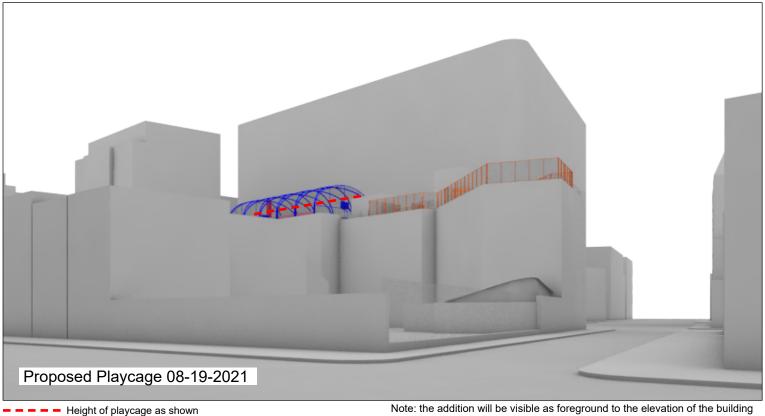
to which MFA proposes

in Certificate of

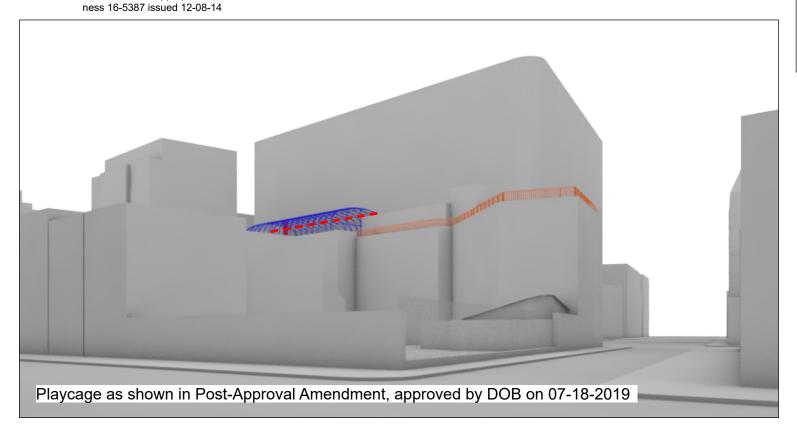
design changes.

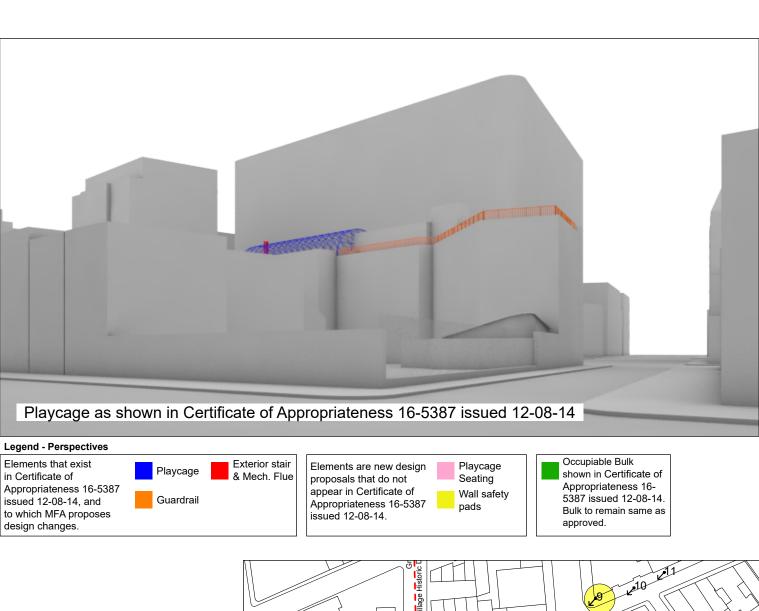
View looking southwest from Hudson Street at Christopher Street

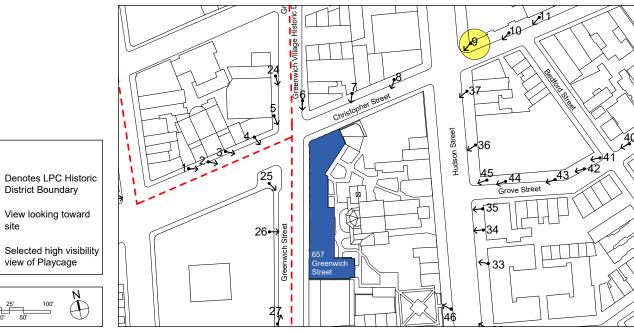
in Certificate of Appropriate-



Note: the addition will be visible as foreground to the elevation of the building across the street, 666 Greenwich Street.





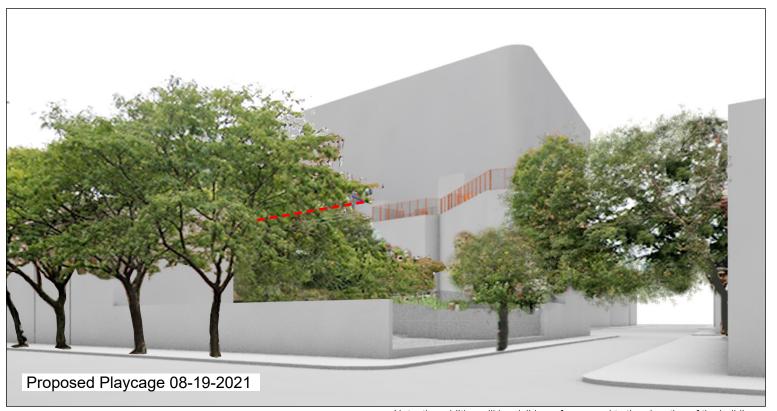


Legend

District Boundary View looking toward

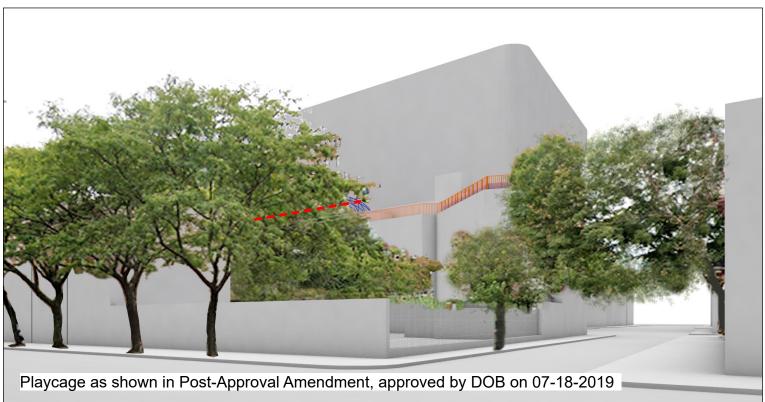
view of Playcage

View looking southwest from Hudson Street at Christopher Street



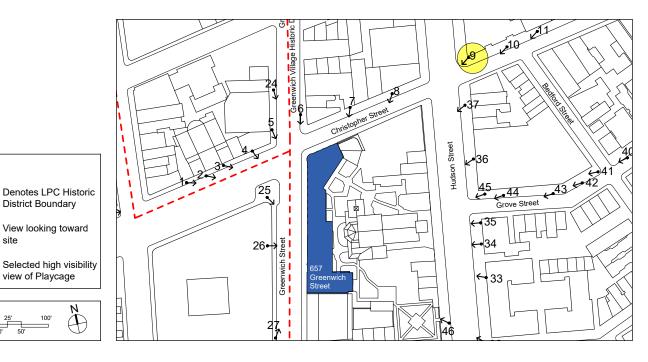
 Height of playcage as shown in Certificate of Appropriateness 16-5387 issued 12-08-14

Note: the addition will be visible as foreground to the elevation of the building across the street, 666 Greenwich Street.



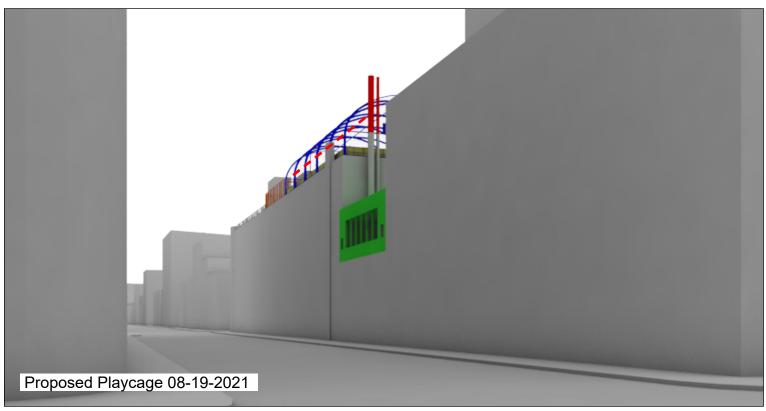


Occupiable Bulk Exterior stair Elements are new design Playcage shown in Certificate of in Certificate of proposals that do not Seating Appropriateness 16-Appropriateness 16-5387 appear in Certificate of Wall safety 5387 issued 12-08-14. issued 12-08-14, and Guardrail Appropriateness 16-5387 Bulk to remain same as to which MFA proposes issued 12-08-14. approved. design changes.

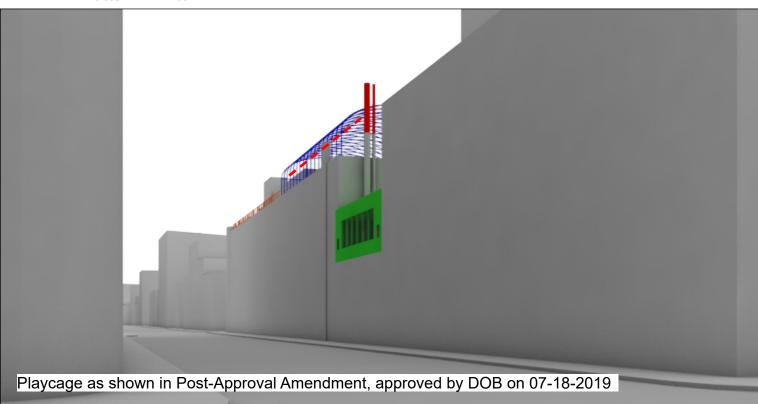


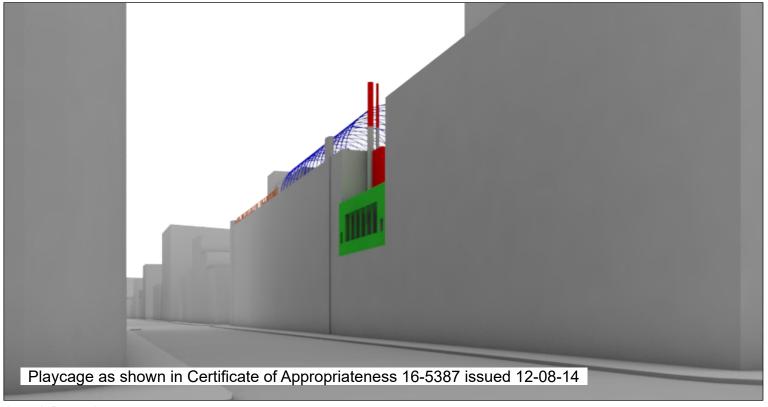
Legend

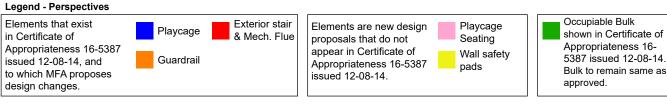
View looking northeast from Greenwich Street at Barrow Street

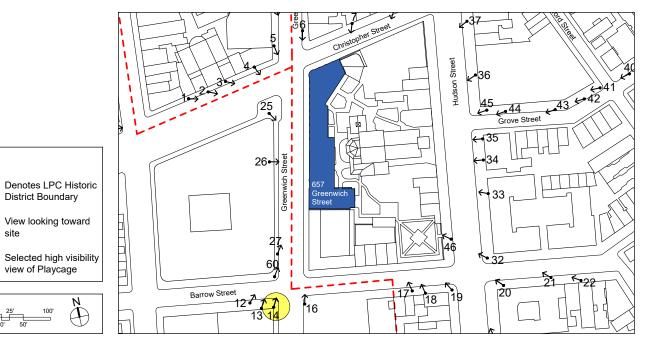


Height of playcage as shown in Certificate of Appropriateness 16-5387 issued 12-08-14







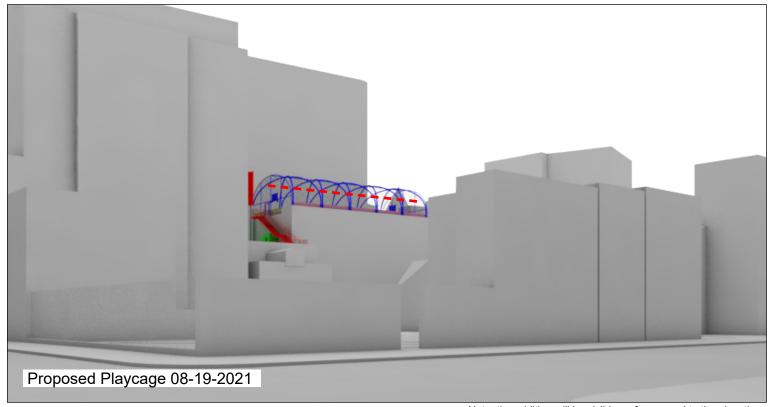


Legend

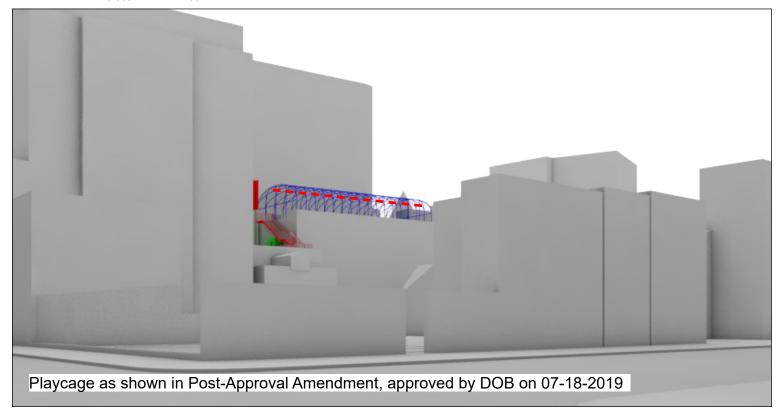
District Boundary

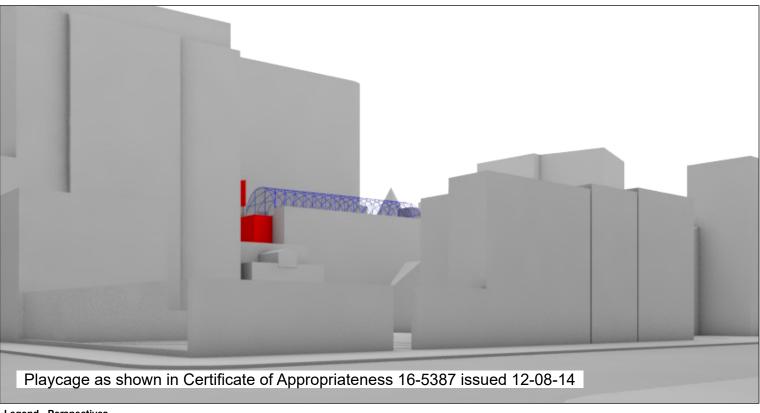
view of Playcage

View looking northwest from Hudson Street at Barrow Street



 Height of playcage as shown in Certificate of Appropriateness 16-5387 issued 12-08-14 Note: the addition will be visible as foreground to the elevation of the building across the street, 666 Greenwich Street.





Legend - Perspectives

Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

Exterior stair & Mech. Flue

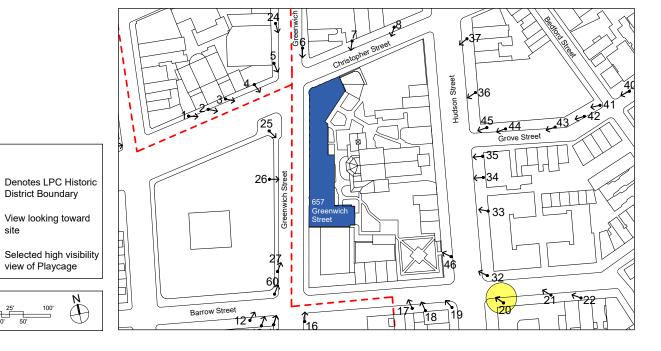
Guardrail

Legend

Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14.

Playcage Seating
Wall safety pads

Occupiable Bulk shown in Certificate of Appropriateness 16-5387 issued 12-08-14. Bulk to remain same as approved.



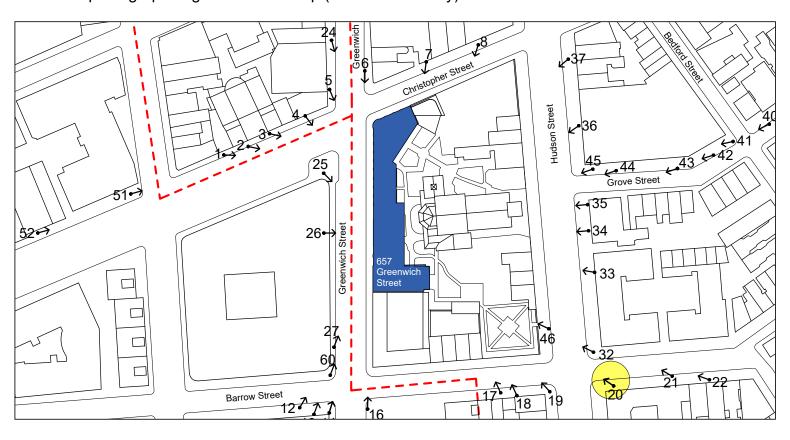
View looking northwest from Hudson Street at Barrow Street. See page 35 for further studies of this view.



Photo collage - playcage, playcage seating, and wall safety pads are visible. Mechanical flues and exterior stair are visible seasonally.



Unaltered photograph of guardrail mock-up (visible seasonally)



View looking northwest from Hudson Street at Barrow Street



Height of playcage as shown in Certificate of Appropriateness 16-5387 issued 12-08-14

of the building across the street, 666 Greenwich Street.





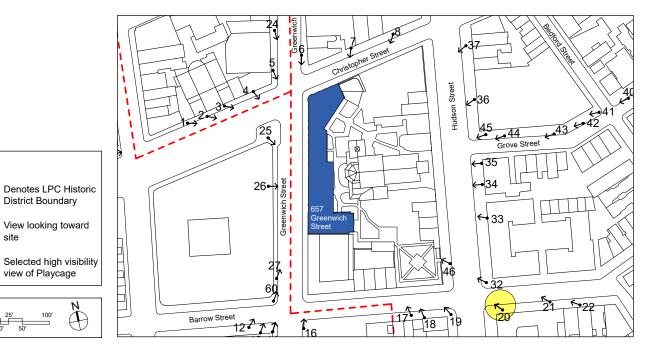
Legend - Perspectives Elements that exist Exterior stair in Certificate of Appropriateness 16-5387 issued 12-08-14, and Guardrail to which MFA proposes design changes.

**District Boundary** 

view of Playcage

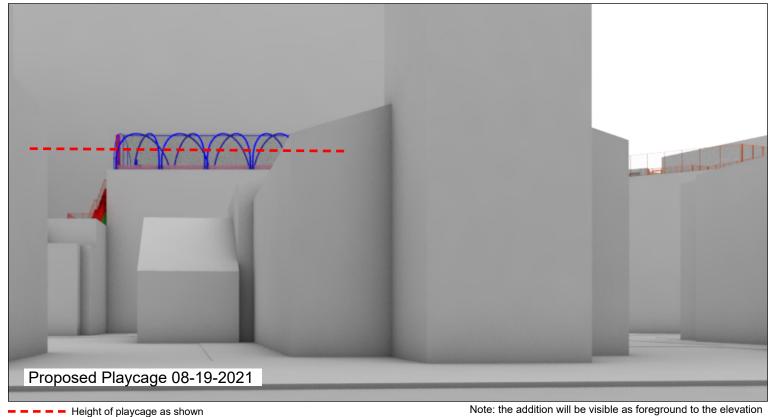
Legend

Elements are new design Playcage proposals that do not Seating appear in Certificate of Wall safety Appropriateness 16-5387 issued 12-08-14.

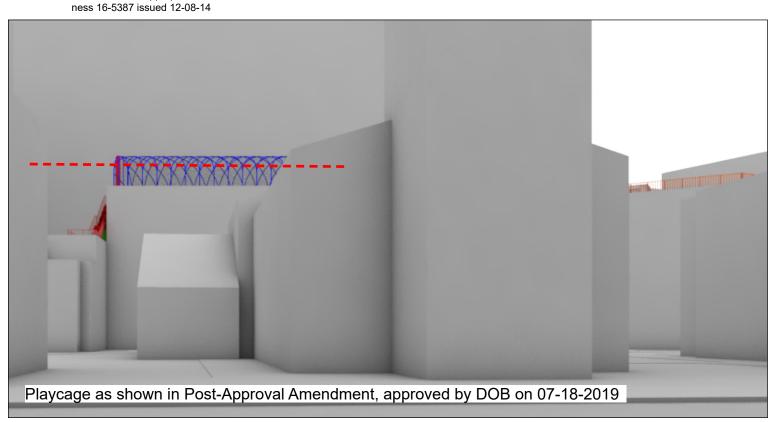


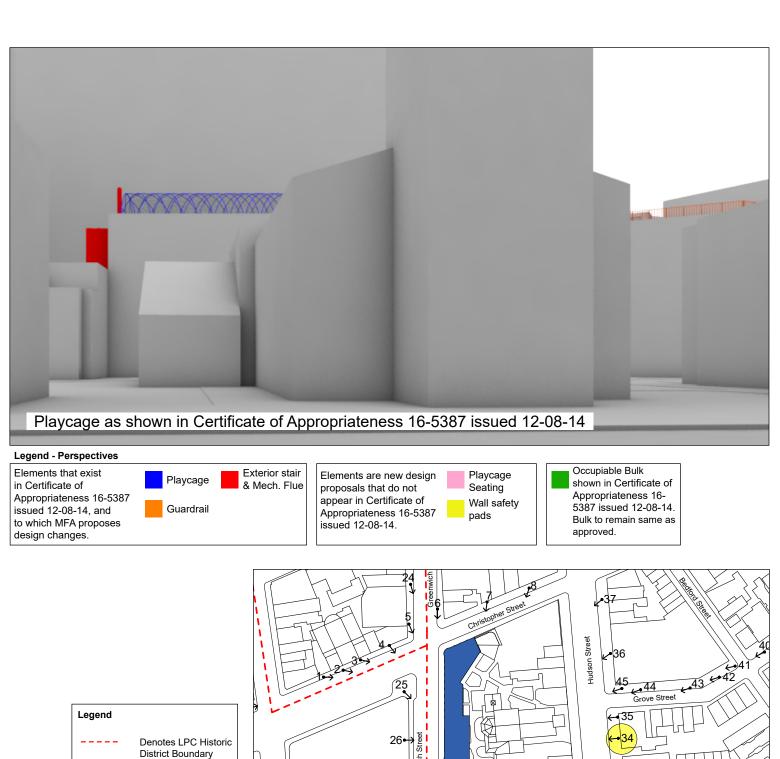
View looking west from Hudson Street between Grove and Barrow Streets

in Certificate of Appropriate-



Note: the addition will be visible as foreground to the elevation of the building across the street, 666 Greenwich Street.





View looking toward

Selected high visibility view of Playcage

5387 issued 12-08-14.

Bulk to remain same as

approved.

View looking west from Hudson Street between Grove and Barrow Streets

Height of playcage as shown

in Certificate of Appropriate-



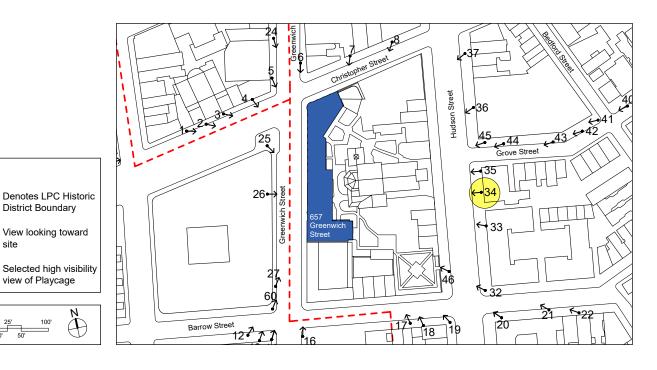
Note: the addition will be visible as foreground to the elevation of the building across the street, 666 Greenwich Street.





Appropriateness 16-5387

issued 12-08-14.



issued 12-08-14, and

design changes.

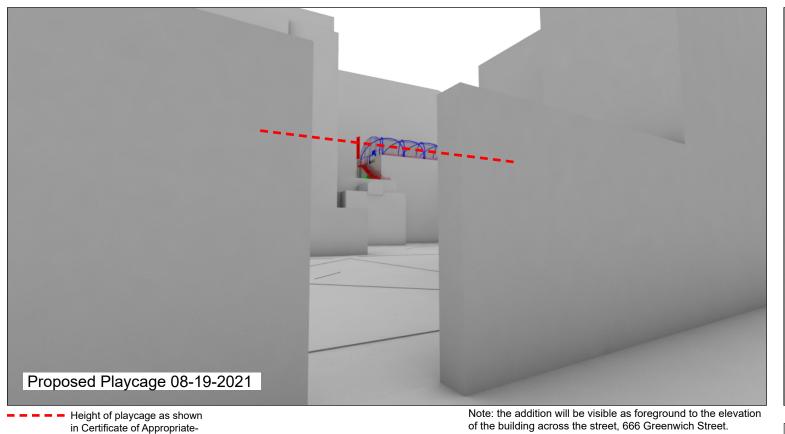
to which MFA proposes

Legend

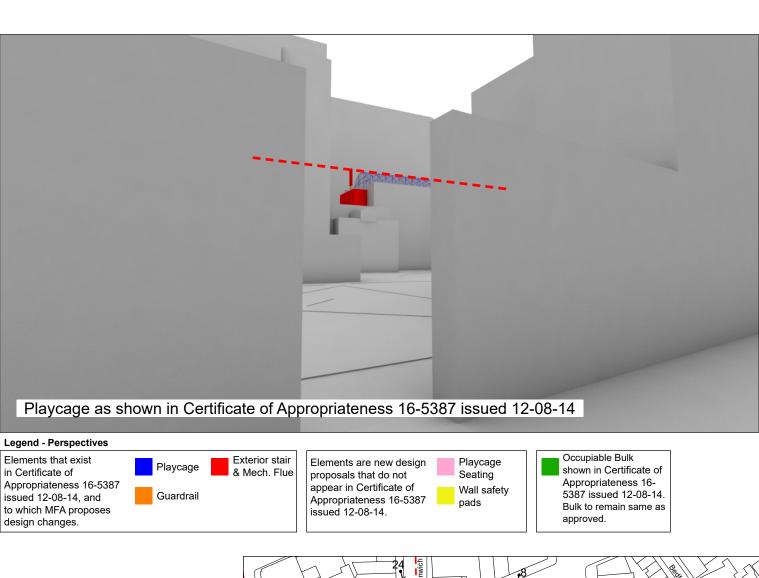
Guardrail

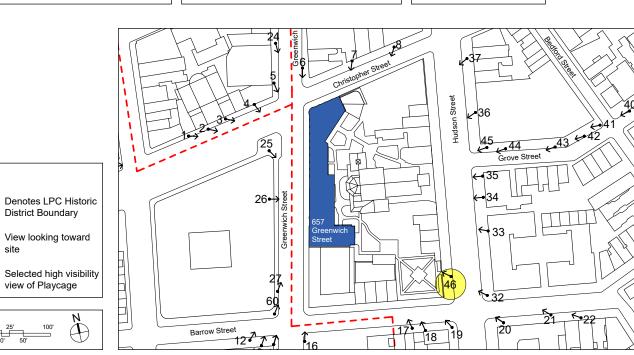
View looking northwest from garden.

ness 16-5387 issued 12-08-14



Playcage as shown in Post-Approval Amendment, approved by DOB on 07-18-2019





Legend

District Boundary

view of Playcage

Occupiable Bulk

approved.

shown in Certificate of

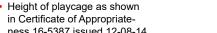
Appropriateness 16-

5387 issued 12-08-14.

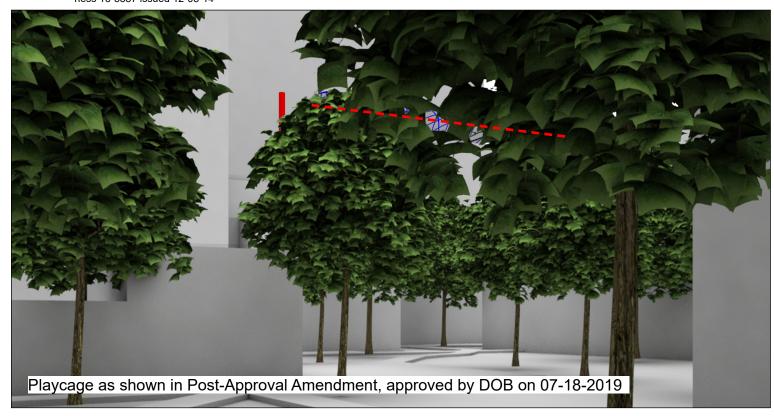
Bulk to remain same as

View looking northwest from garden.





Note: the addition will be visible as foreground to the elevation of the building across the street, 666 Greenwich Street.





Elements are new design

proposals that do not

issued 12-08-14.

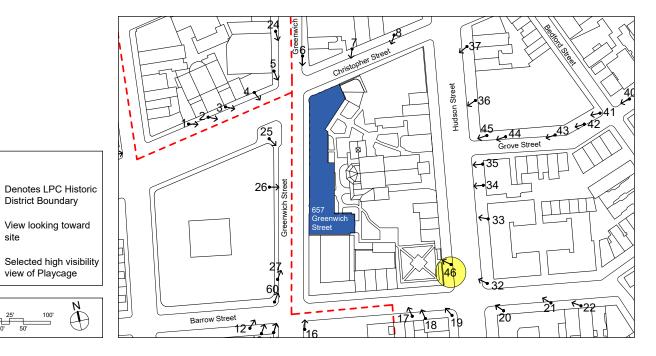
appear in Certificate of

Appropriateness 16-5387

Exterior stair

& Mech. Flue

Guardrail



Playcage

Wall safety

Seating

Elements that exist

Appropriateness 16-5387

issued 12-08-14, and

to which MFA proposes

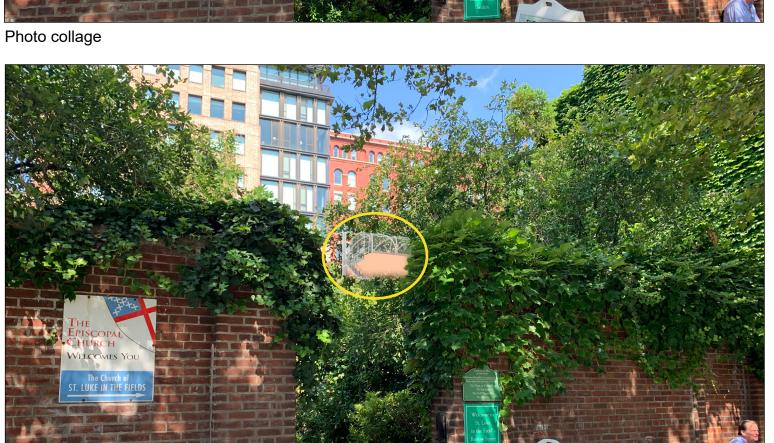
Legend

in Certificate of

design changes.

View looking northwest from garden. See page 39 for further studies of this view.





Unaltered photograph of guardrail mock-up (visible seasonally)

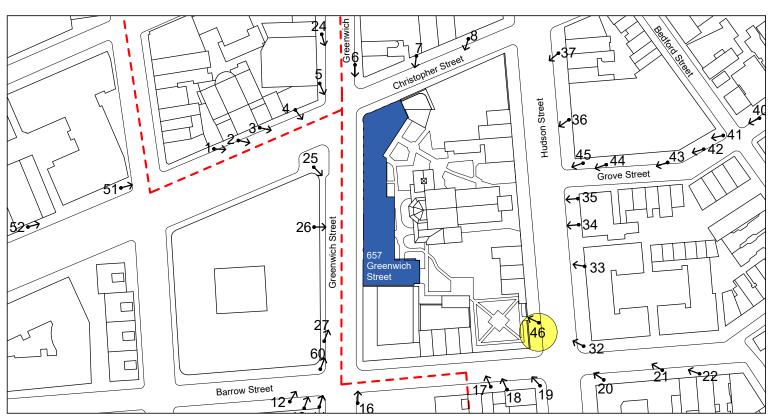
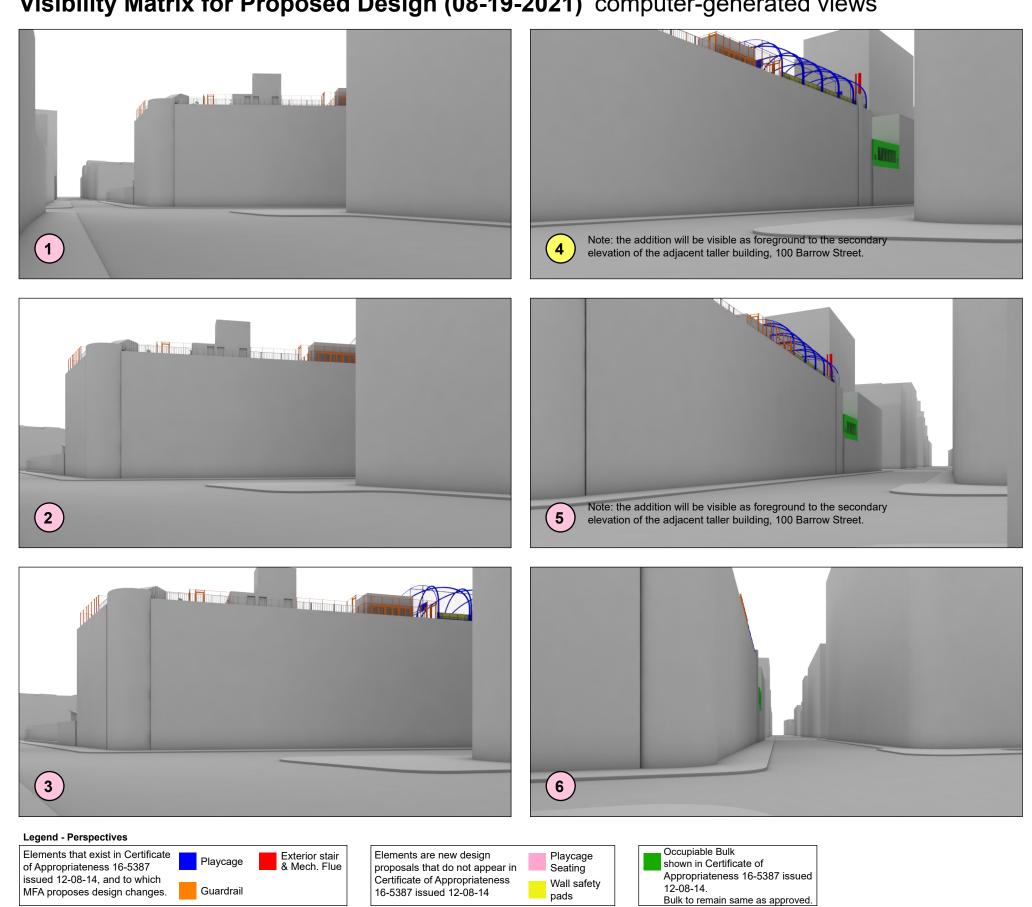
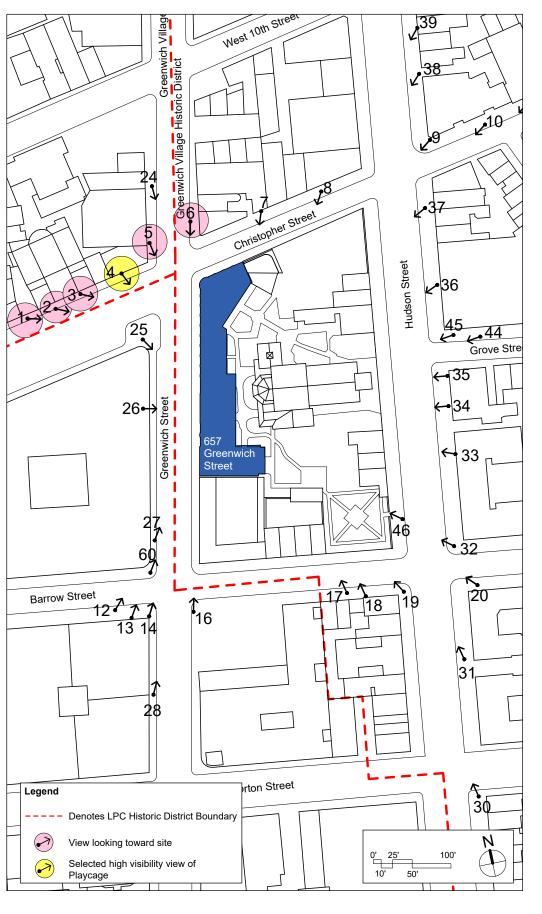
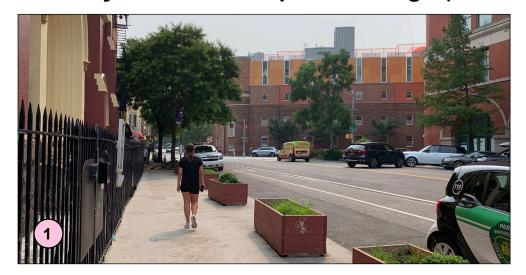


Photo collage - shows visibility of playcage, exterior stair, mechanical flues, and wall safety pads without seasonal tree coverage.















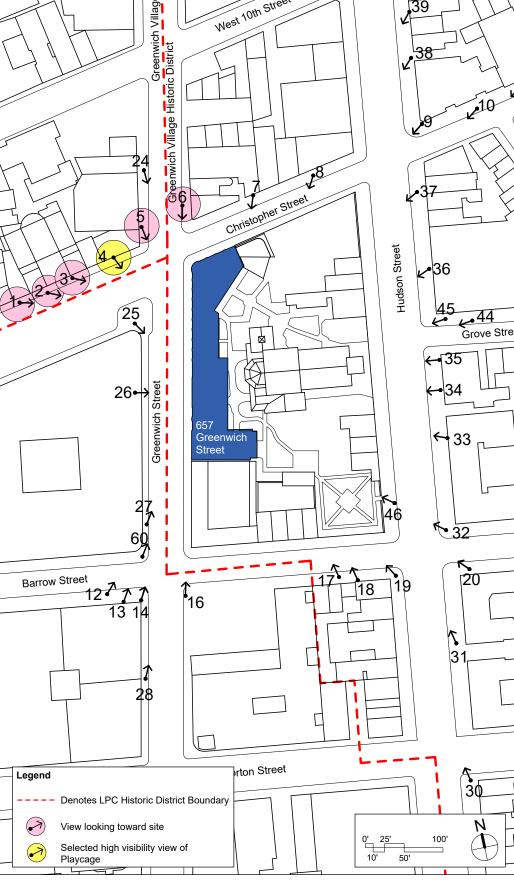


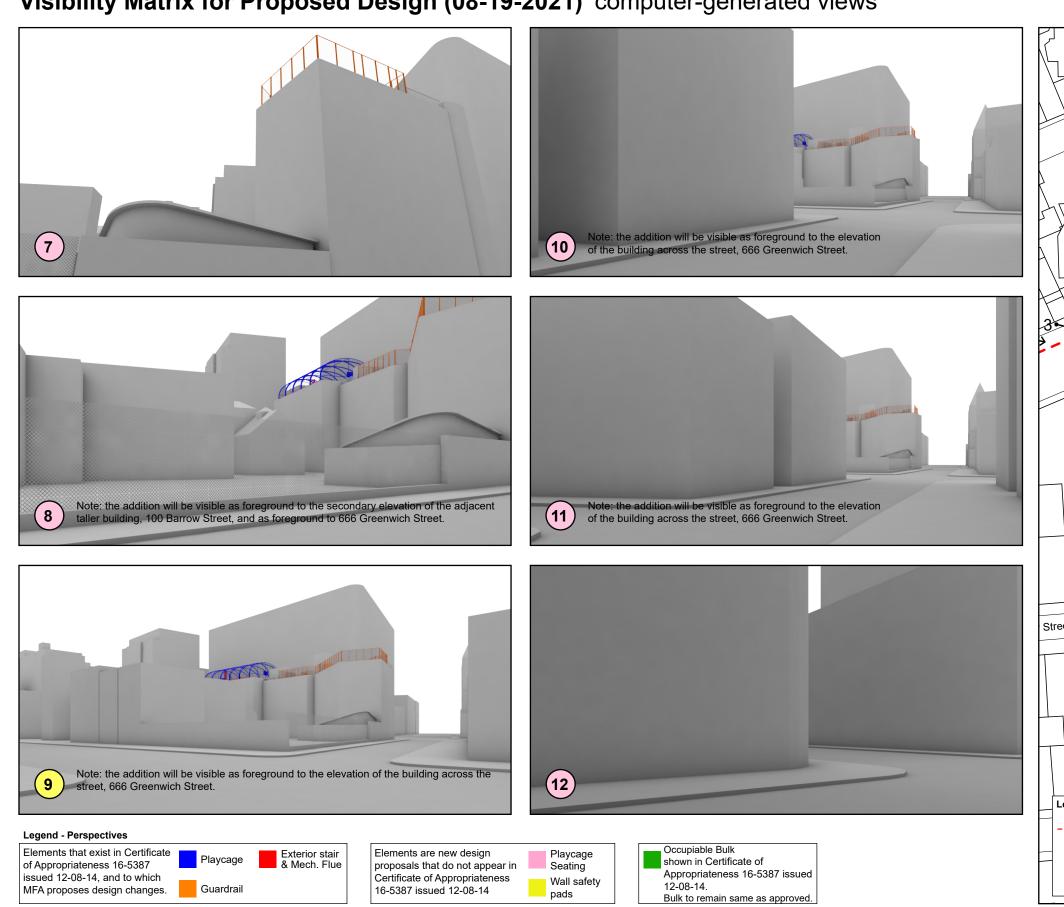
Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

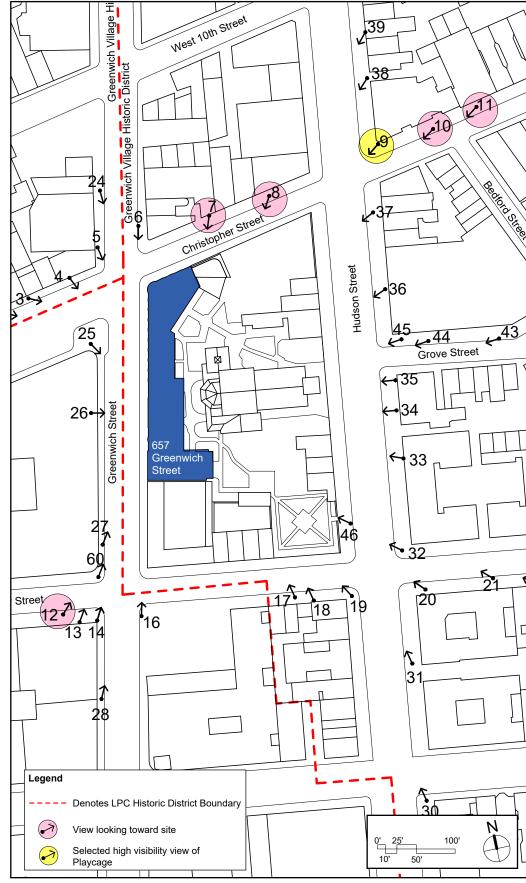
Exterior stair & Mech. Flue

Elements are new design Playcage proposals that do not appear in Certificate of Appropriateness Wall safety 16-5387 issued 12-08-14 pads

Occupiable Bulk shown in Certificate of Appropriateness 16-5387 issued 12-08-14.



















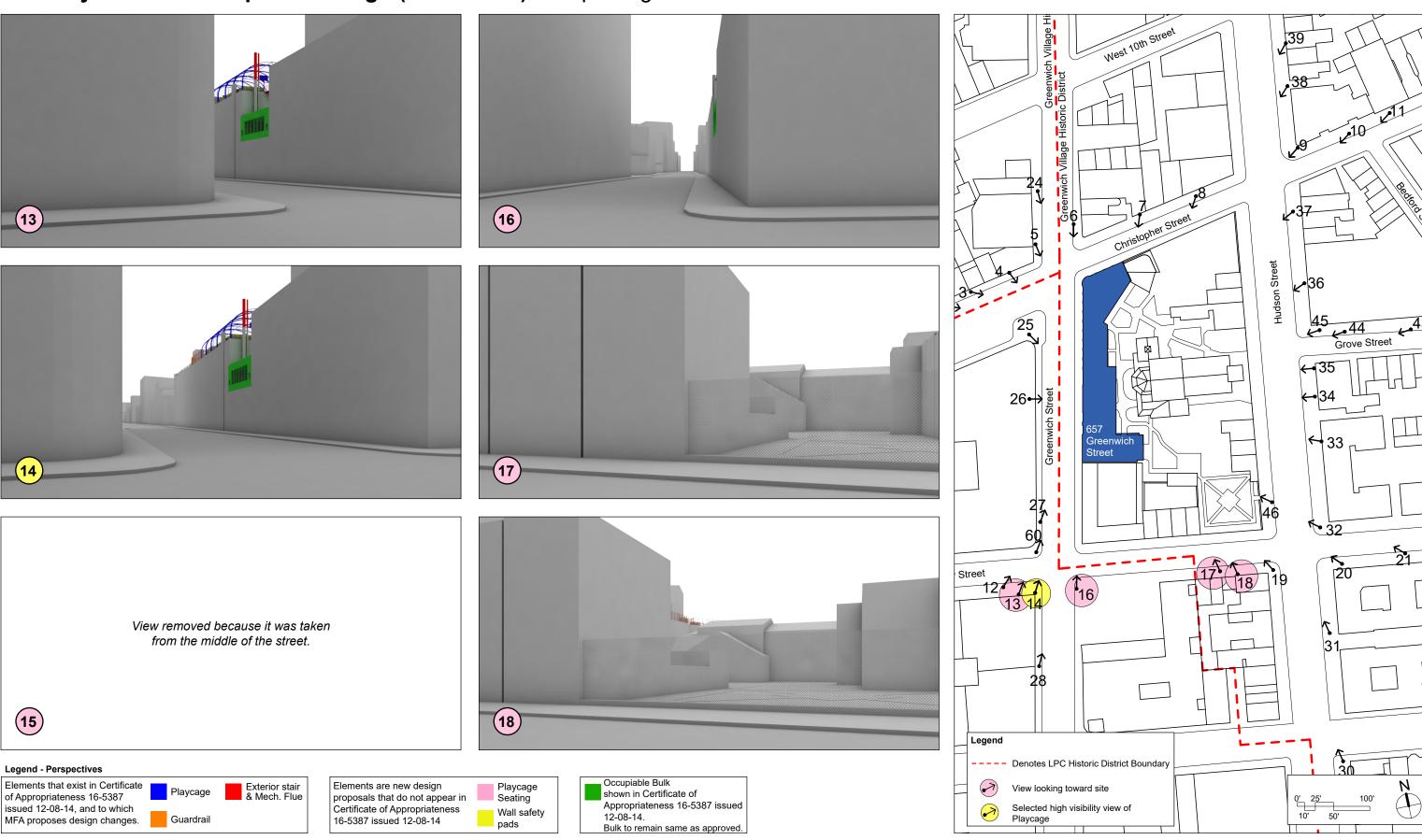


Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

Playcage Exterior stair & Mech. Flue

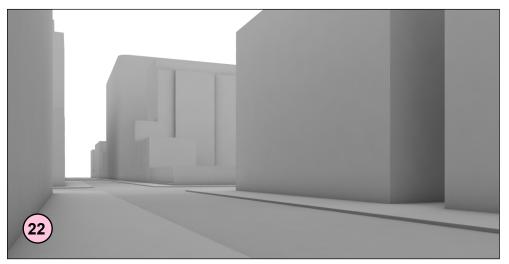
Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14

Playcage Seating Wall safety pads

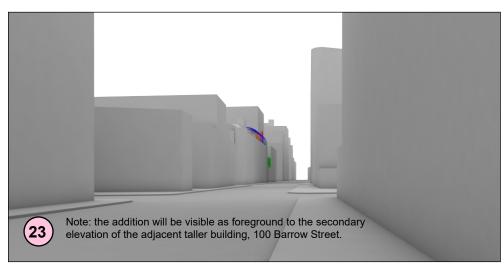


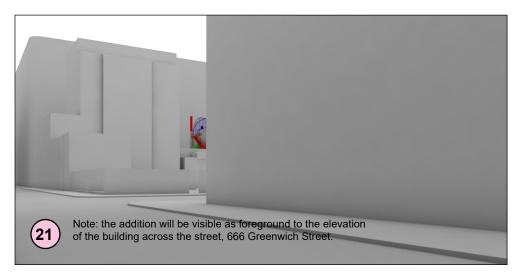


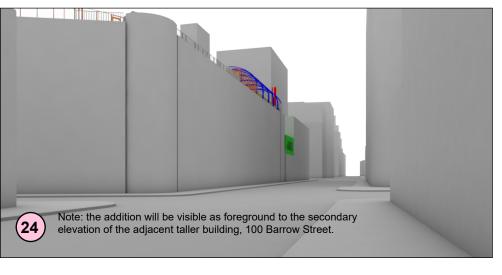












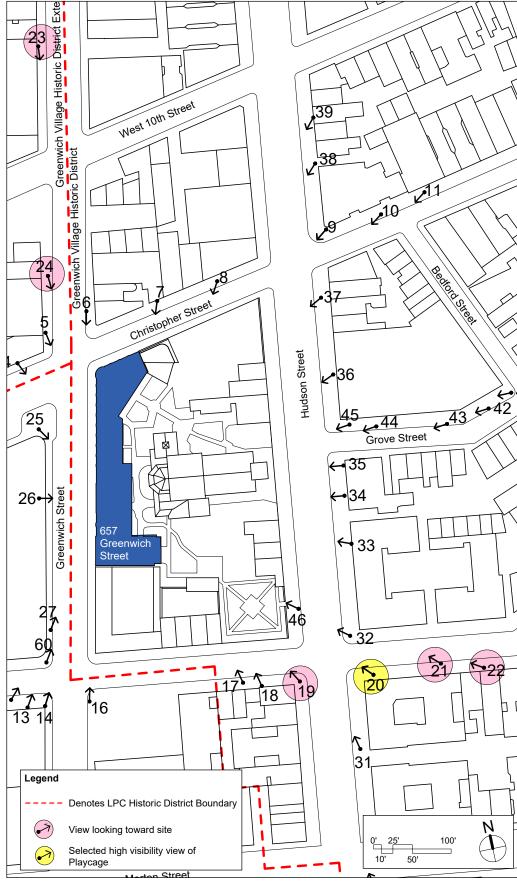
Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

Exterior stair & Mech. Flue

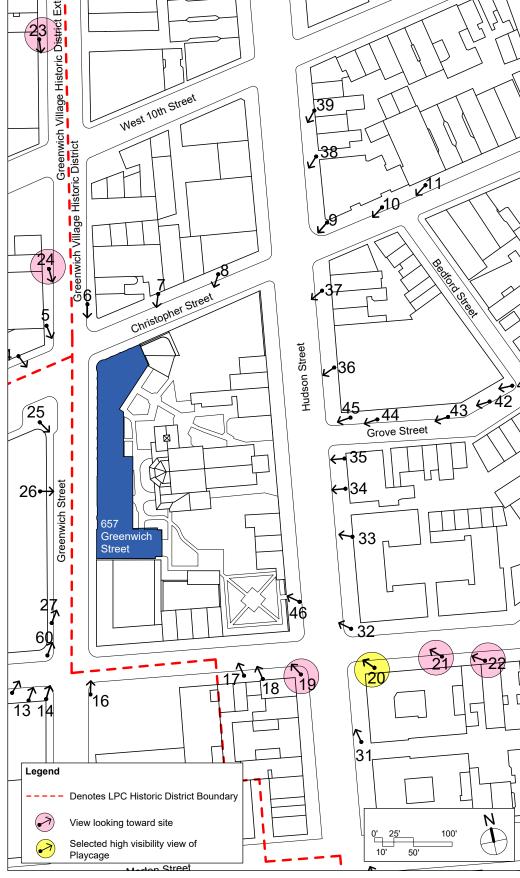
Guardrail

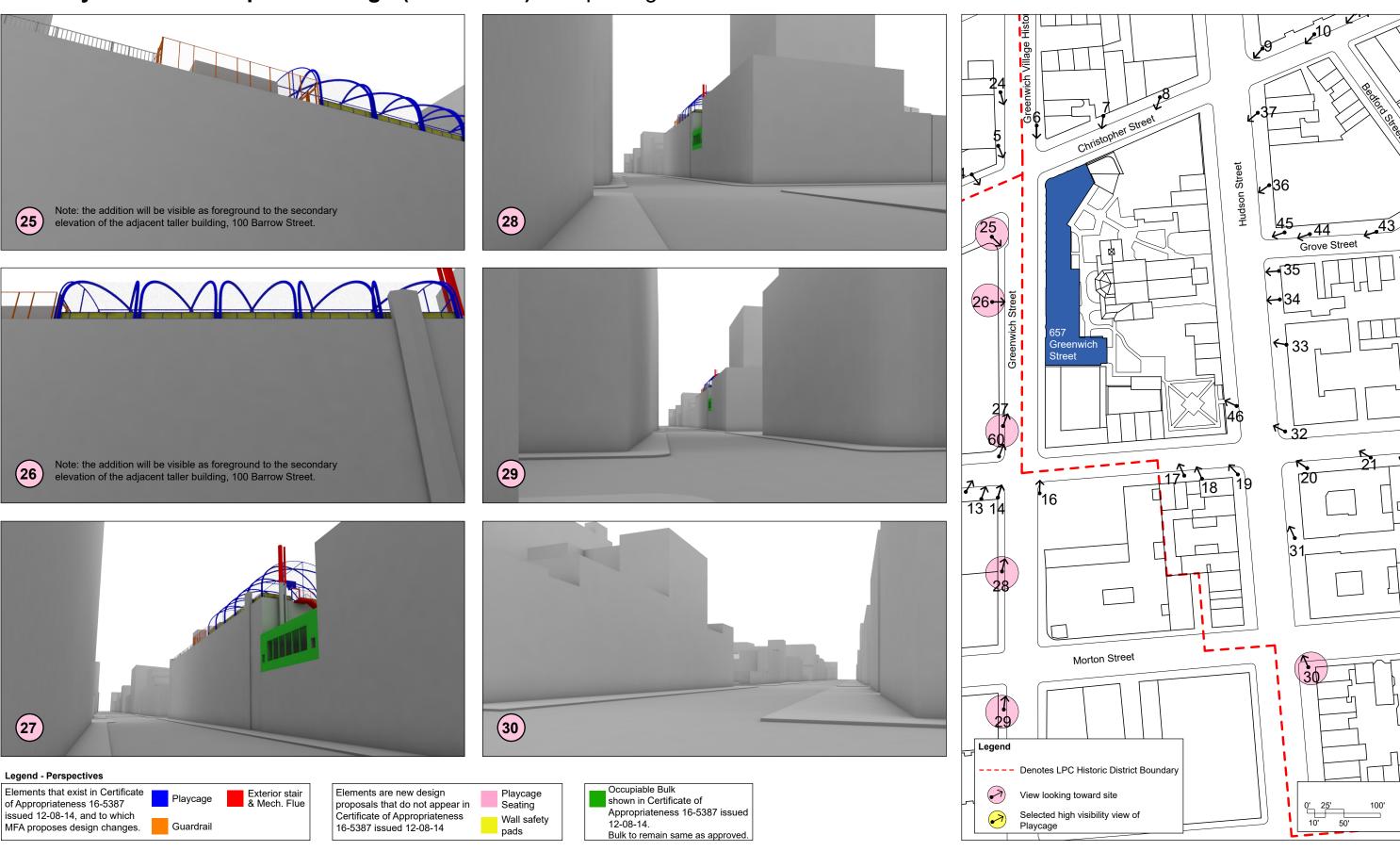
Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14

Playcage Seating
Wall safety pads











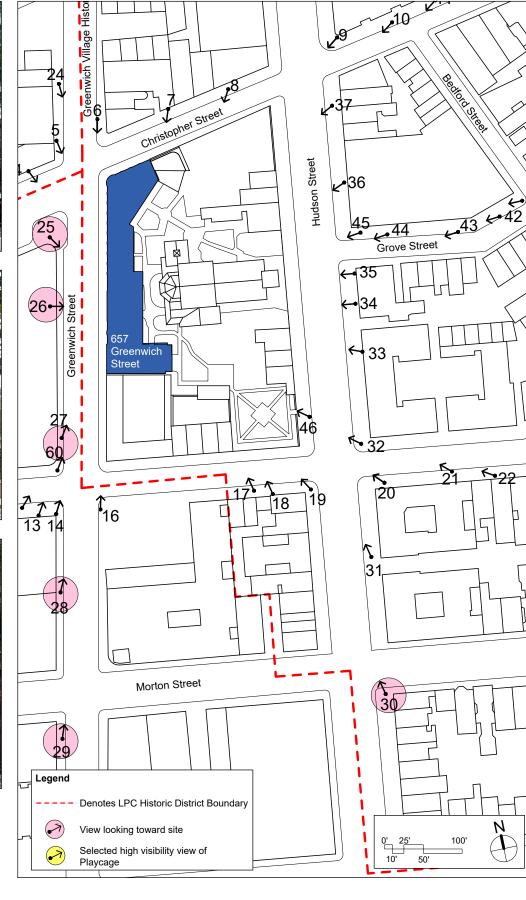












Legend - Perspectives

Elements that exist in Certificate Exterior stair & Mech. Flue of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14

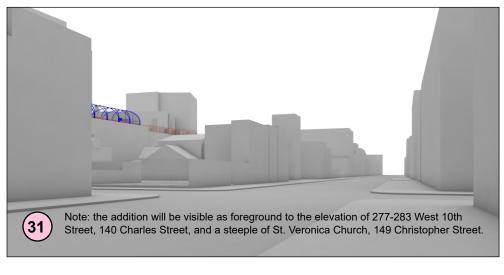
Occupiable Bulk

Playcage

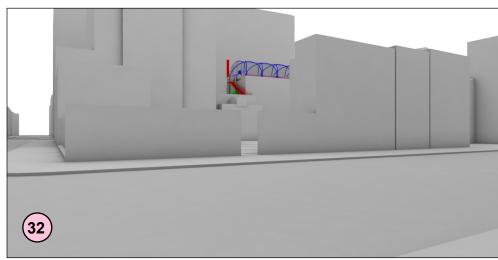
Wall safety

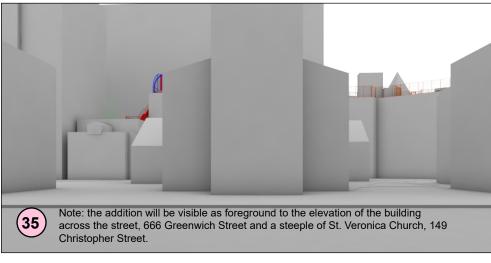
pads

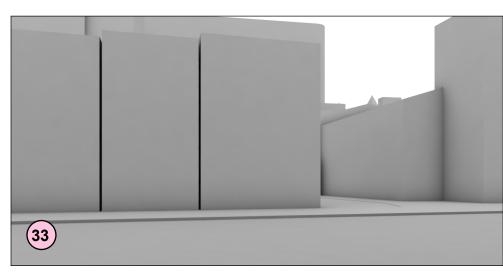
shown in Certificate of Appropriateness 16-5387 issued

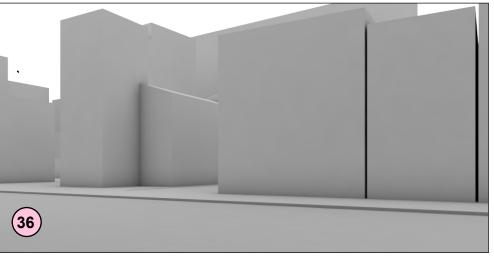


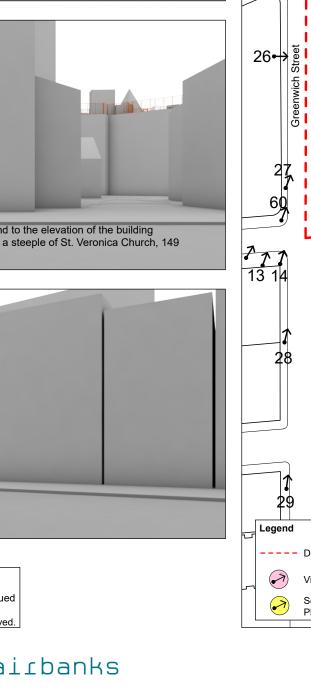












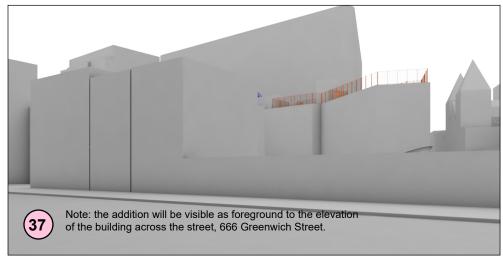
Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

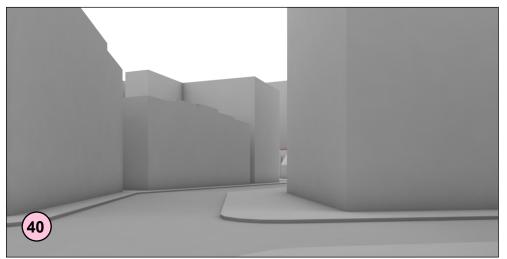
Exterior stair & Mech. Flue

Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14

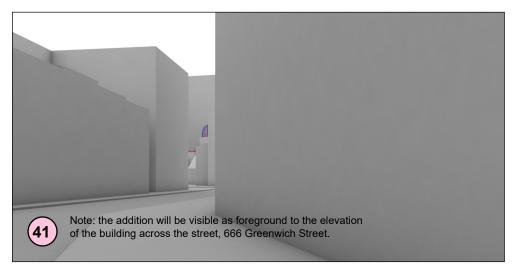
Playcage Seating Wall safety pads

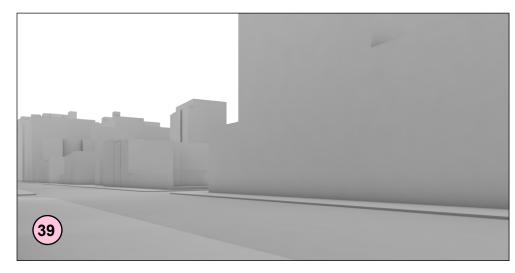


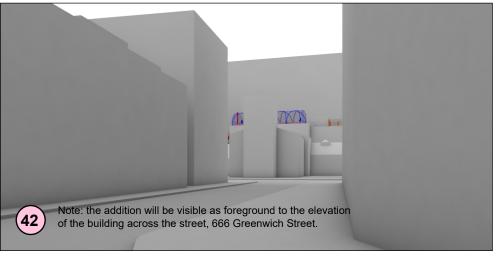










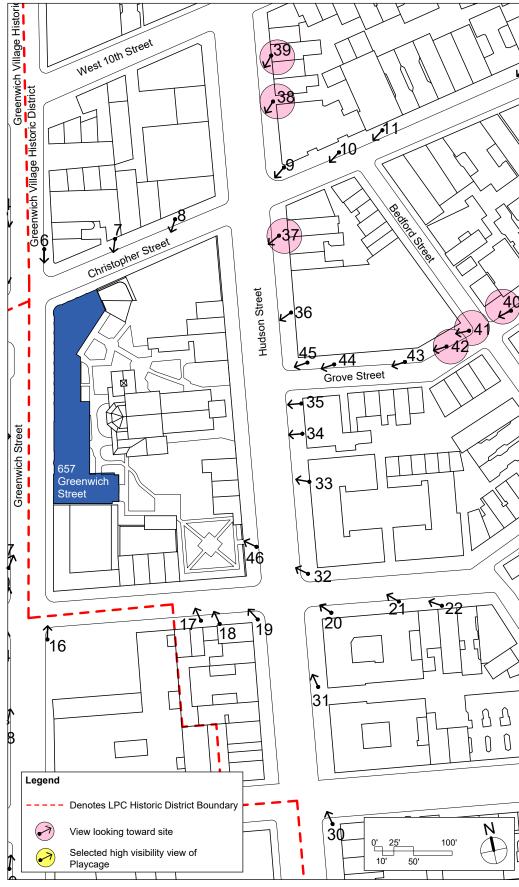


Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

Playcage Exterior stair & Mech. Flue

Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14

Playcage Seating
Wall safety pads

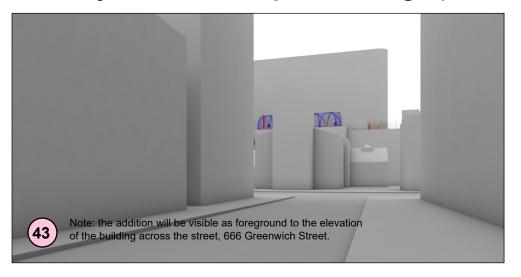




## Visibility Matrix for Proposed Design (08-19-2021) computer-generated views

#### 657 Greenwich Street - St. Luke's School

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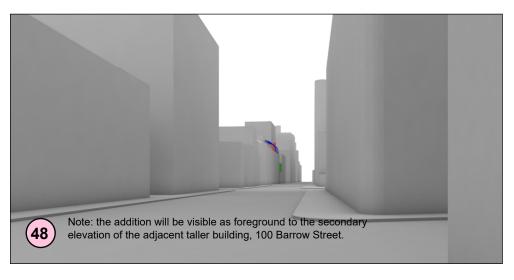












#### Legend - Perspectives

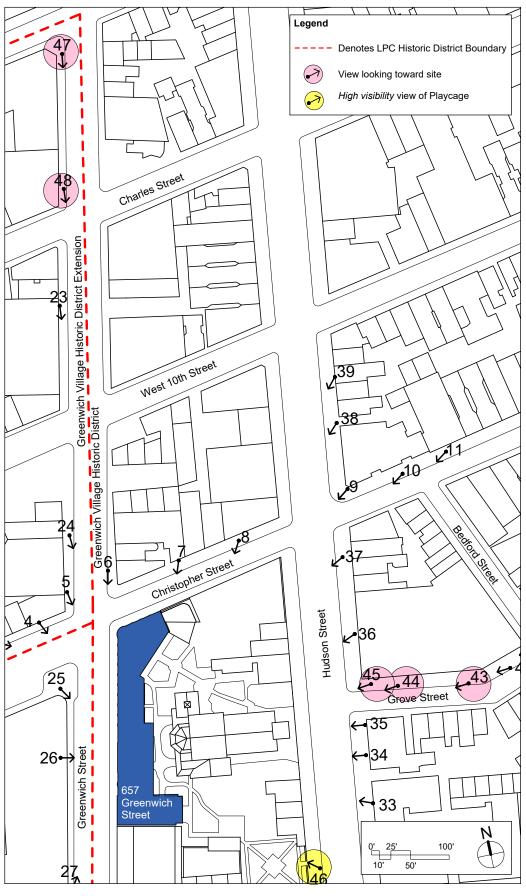
Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes.

Exterior stair & Mech. Flue

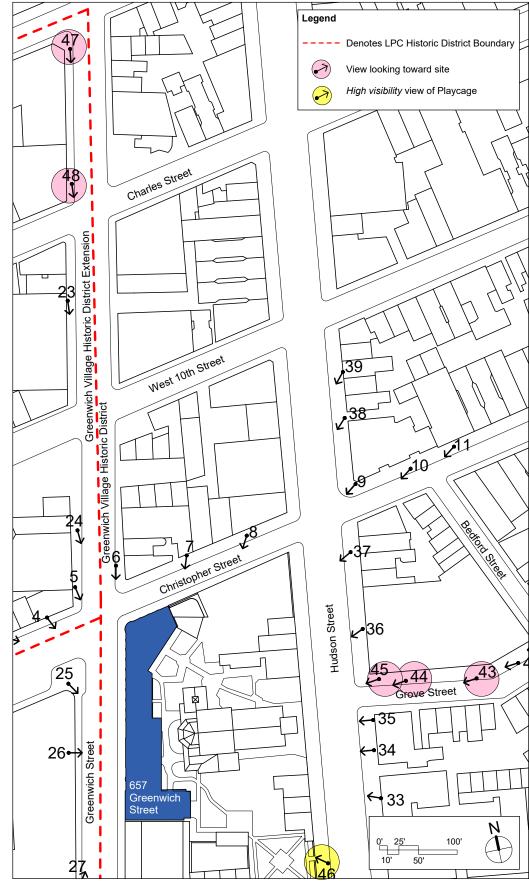
Guardrail

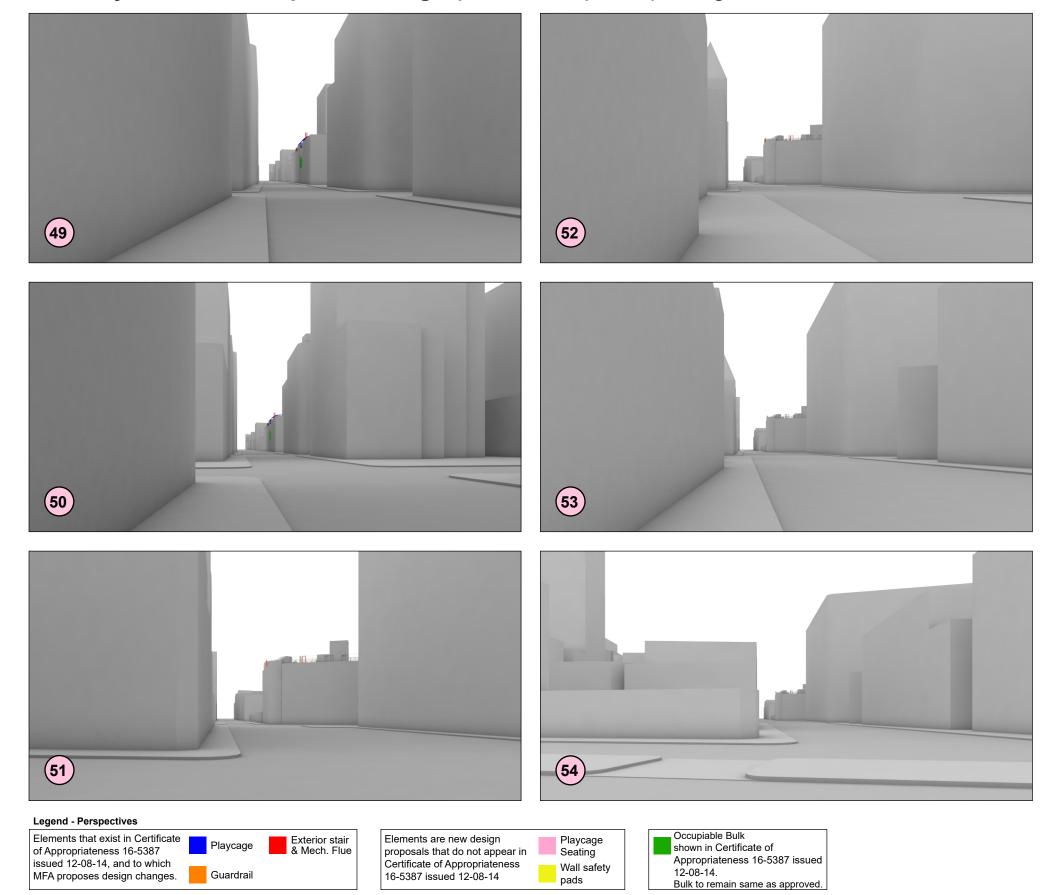
Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14

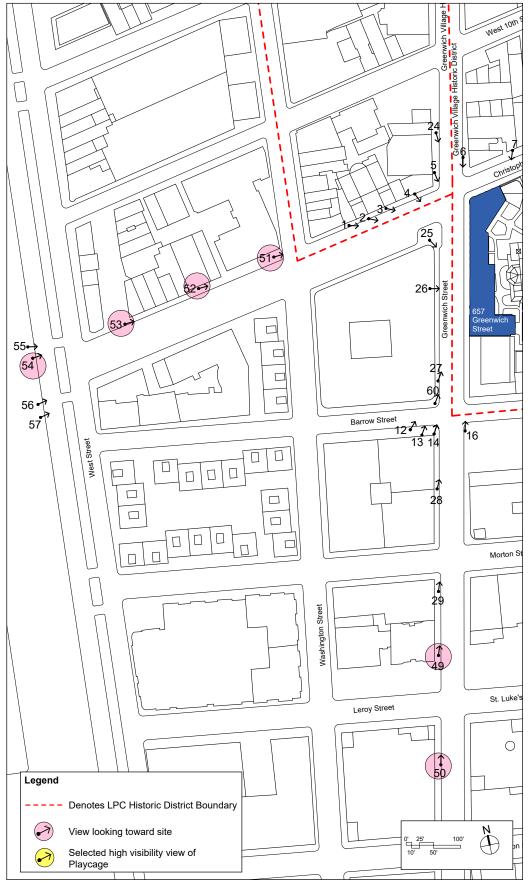
Playcage Seating
Wall safety pads























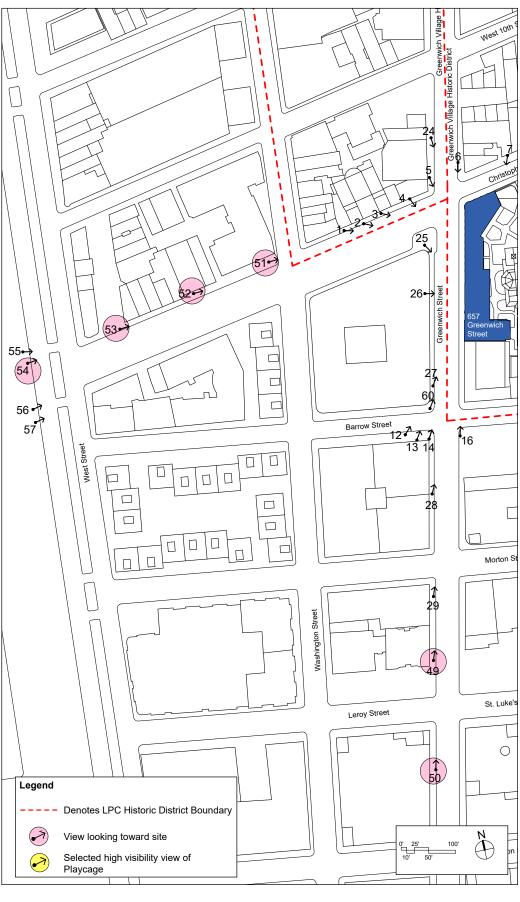
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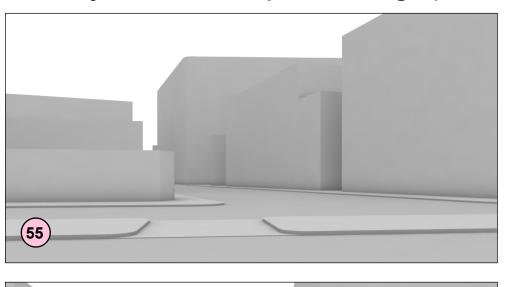
Exterior stair & Mech. Flue

Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14

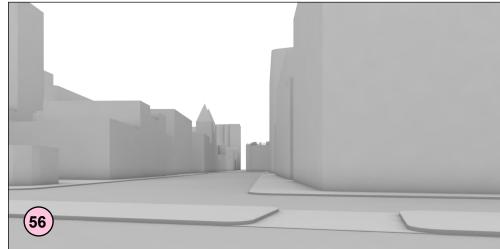
Playcage Seating Wall safety pads

Occupiable Bulk shown in Certificate of Appropriateness 16-5387 issued 12-08-14.

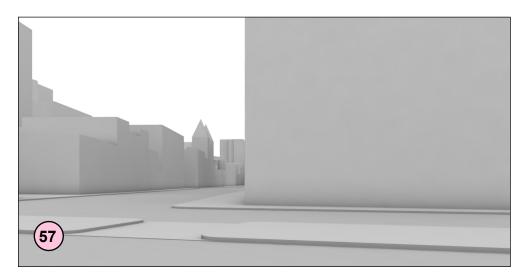








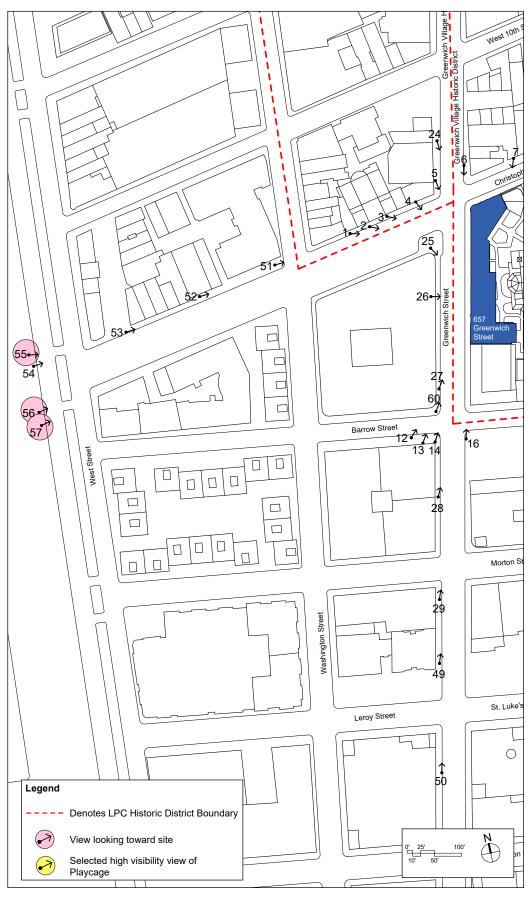




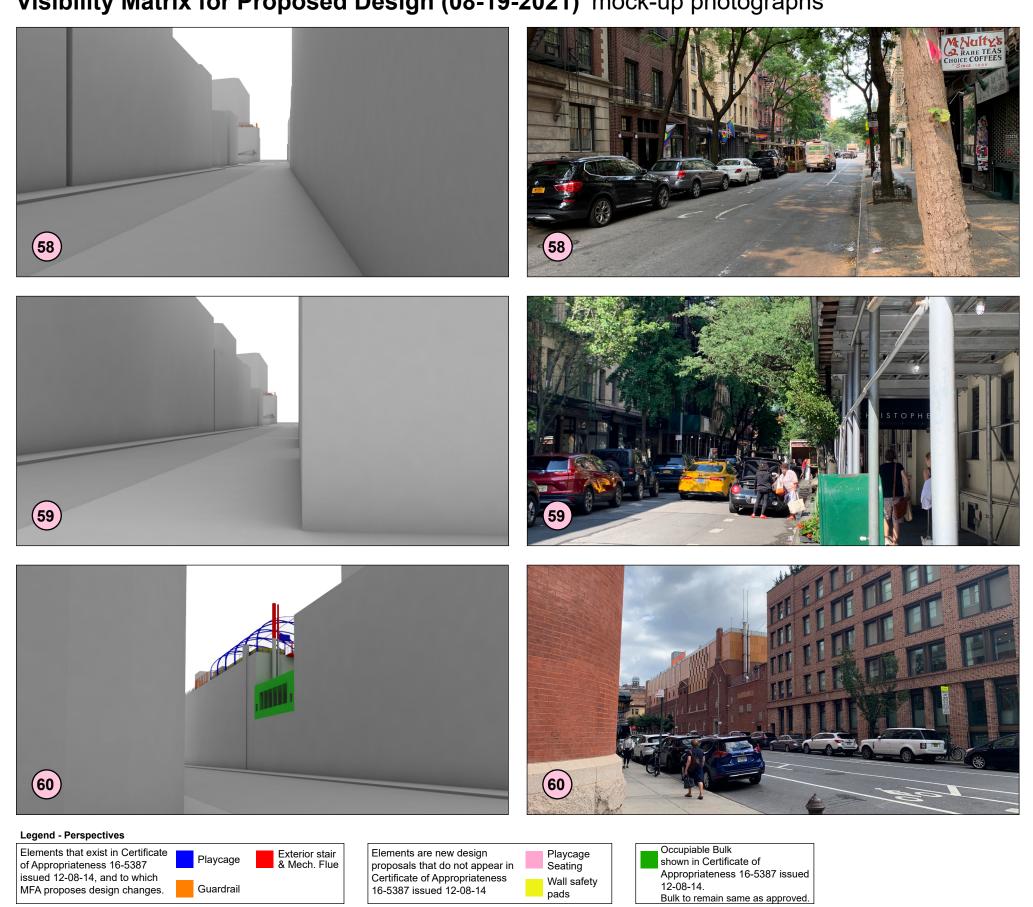


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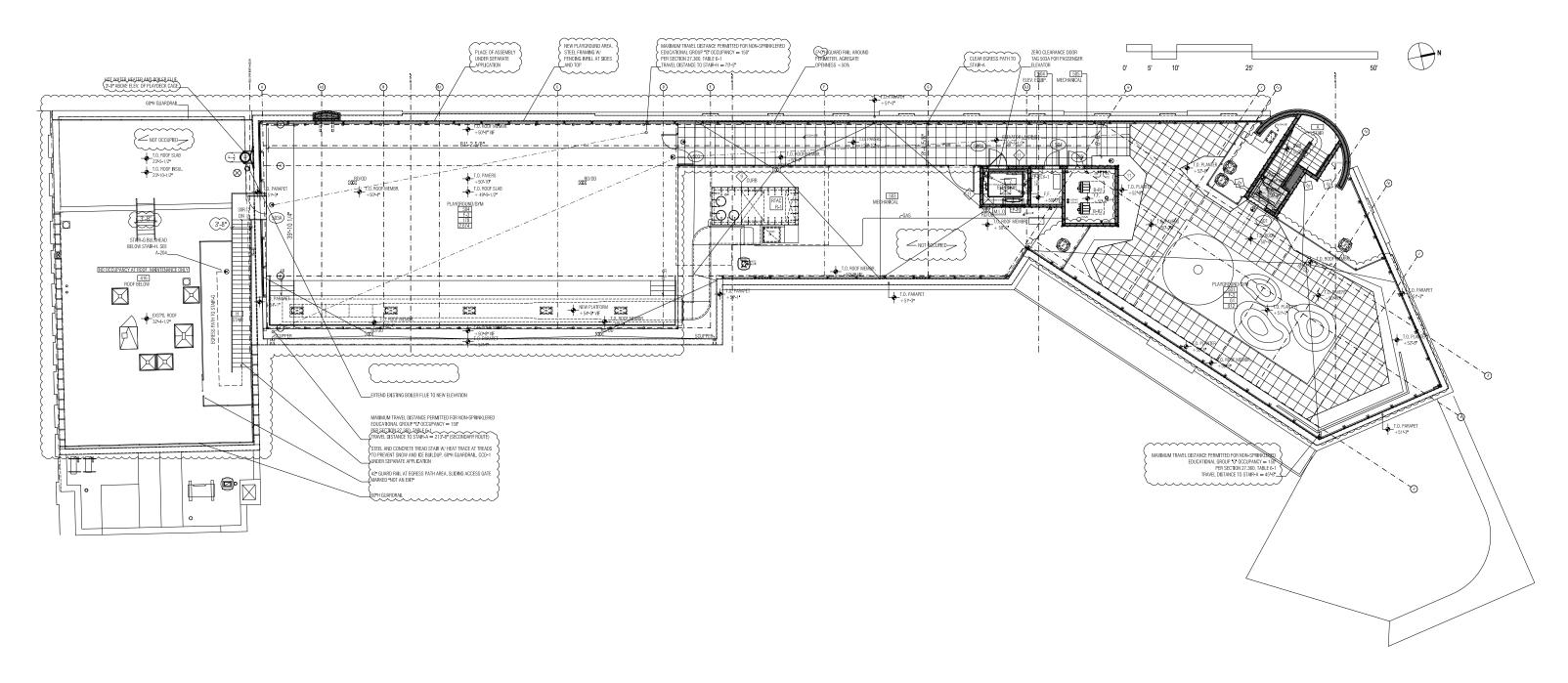
Elements are new design proposals that do not appear in Certificate of Appropriateness 16-5387 issued 12-08-14 Playcage Seating Wall safety pads

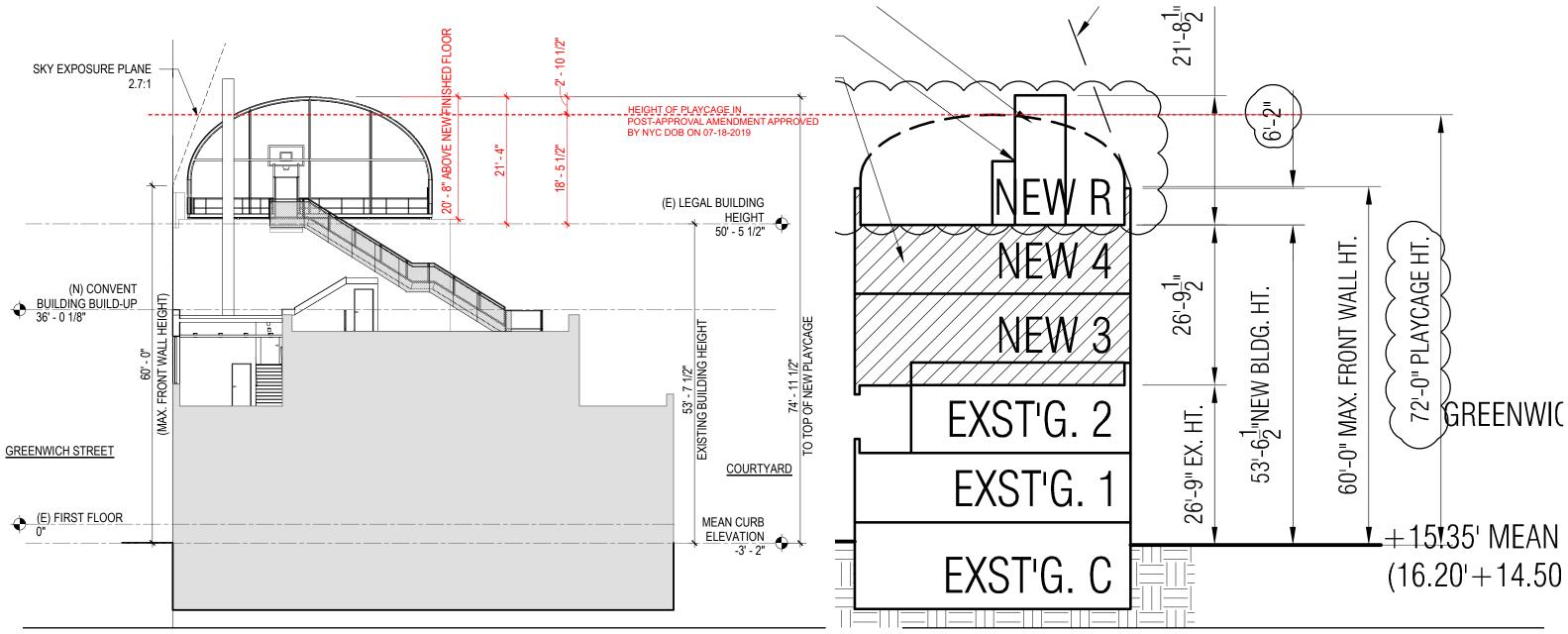


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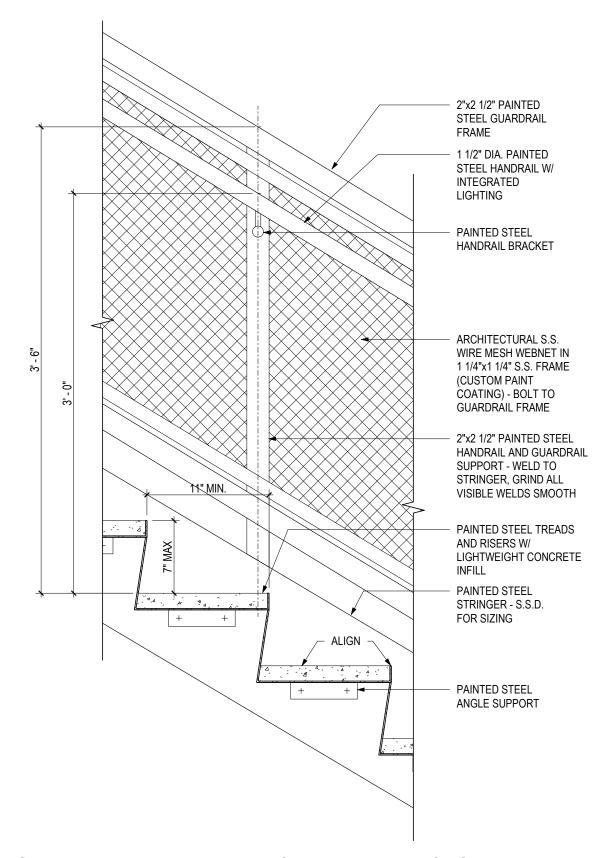




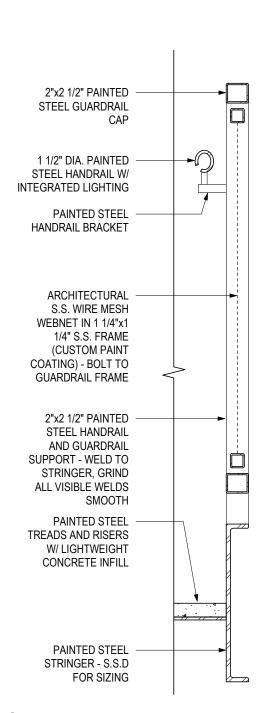
Proposed Section (08-19-2021)

Zoning section approved by NYC DOB in post-approval amendment on 07-18-2019

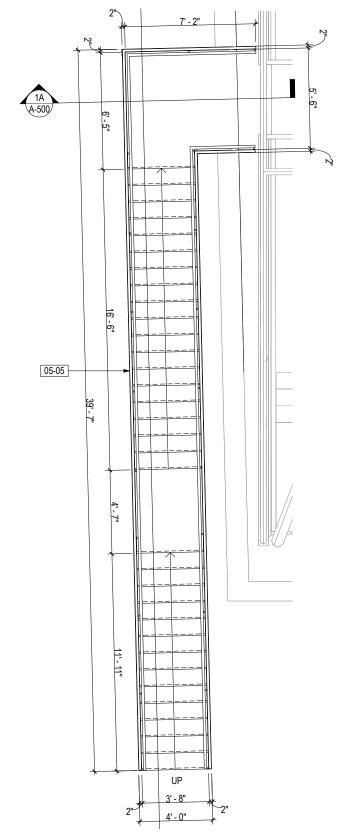
|  | Elements that exist in Certificate of Appropriateness 16-5387 issued 12-08-14, and to which MFA proposes design changes. |             |  |              |   |   |   |              | Certificate of Appropriateness 16-5387 issued 12-08-14 |               |   |  |
|--|--|-------------|--|--------------|---|---|---|--------------|--|---------------|---|--|
|  | Playcage   |             |  | Guardrail    |   | Exterior egress stair                   |   | Boiler flues | Playcage seating                                       |               | Wall safety pads  |  |
|  | Height above   | Width       | Finish   | Height above | Finish  | Stair type                              | Finish  | Height above | Height   | Finish        | Height  | Finish   |
| Appropriateness 16-<br>5387 issued 12-08-14                          |  |             | finish w/ wire<br>mesh infill  |              |   | concealed by<br>composite<br>panel wall |   |              |  |               |   |  |
| Post-approval<br>Amendment plans,<br>approved by DOB<br>(07-18-2019) | 18'-5 1/2"   | 40'-10 5/8" | Zinc-rich paint<br>finish w/ wire<br>mesh infill   | 5'-0"        | Powder coated steel, gray   | Straight-run                            | Powder coated steel, gray   | 21'-5 1/2"   |  |               |   |  |
| MFA LPC<br>Presentation Set (09-<br>28-2021)                         | 20'-8"   |             | Painted steel<br>(MTL-2) with<br>stainless steel<br>wire mesh infill<br>(MTL-4). Painted<br>steel, light gray, |              | Painted steel (MTL-2) support posts with stainless steel wire mesh infill (MTL-3). Painted steel, light gray, HEX number: |   | Poured concrete-filled<br>(CON-1) painted steel<br>pan stairs (MTL-2) with<br>guardrail (MTL-2/MTL-3).<br>Painted steel, light gray,<br>HEX number: #c2c2c2 | 23'-7 1/2"   | Seat: 2'-4"<br>To top of<br>back: 5'-4"                | Wood, stained | 3'-6" —<br>along north,<br>west, and<br>south<br>perimeter of<br>playcage | Seamless<br>fabric<br>covering,<br>light gray,<br>HEX number:<br>#c2c2c2 |



**GUARDRAIL / HANDRAIL ELEVATION AT NEW EXTERIOR STAIR** 

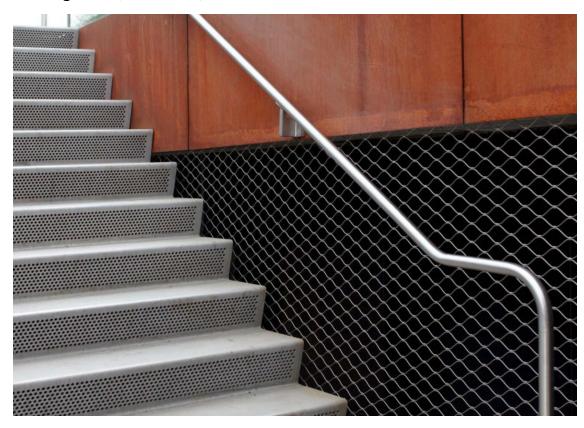


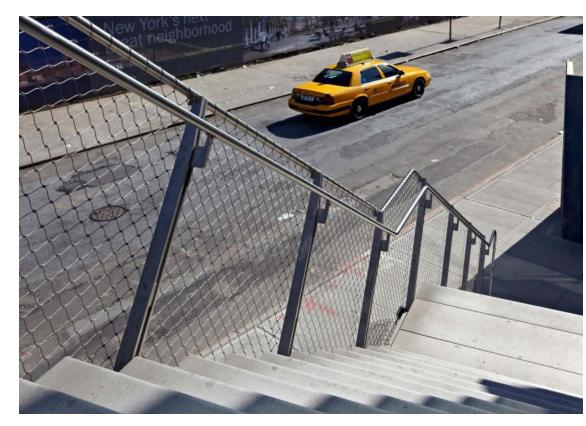
**GUARDRAIL / HANDRAIL DETAIL** 



STAIR PLAN

The High Line, New York, NY





Walk-in aviary, Zurich Zoo (Switzerland)



## Stainless steel wire mesh specifications

MTL-3: Webnet N2 Micro by Jakob Rope Systems

For guardrail wire mesh infill

Material: ASTM A 492 Type 316 stainless steel 7 x 7 wire rope joined with seamless ferrules.

Joined with Seamless lendles.

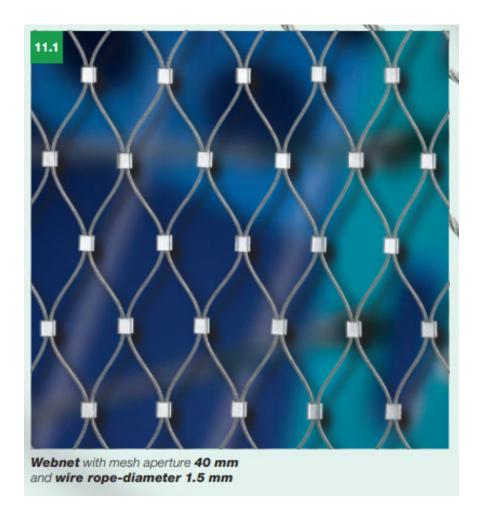
Cable Diameter: 1.5mm.

Mesh Aperture Dimensions: 40mm.

Mesh Perimeter Finishes: Closed loop with loose ferrules.

Direction (Grain) of Mesh: Vertical.

Seamless AISI 316L stainless steel ferrule.



#### MTL-4: Webnet N2 Micro by Jakob Jakob Rope Systems

For playcage structure wire mesh infill

Material: ASTM A 492 Type 316 stainless steel 7 x 7 wire rope

joined with seamless ferrules.

Cable Diameter: 1.5mm.

Mesh Aperture Dimensions: 60mm.

Mesh Perimeter Finishes: Closed loop with loose ferrules.

Direction (Grain) of Mesh: Vertical.

Seamless AISI 316L stainless steel ferrule.

**End of presentation** 



## The current proposal is:

Preservation Department – Item 4, LPC-21-10893

# 657 Greenwich Street - Greenwich Village Historic District

## **Borough of Manhattan**

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US (New York) 877-853-5257 (Toll free)

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**Note**: If you want to testify on an item, join the Zoom webinar at the agenda's "Be Here by" time (about an hour in advance). When the Chair indicates it's time to testify, "raise your hand" via the Zoom app if you want to speak (\*9 on the phone). Those who signed up in advance will be called first.