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- 002 Lighting Scope
- 003 Lighting Scope
- 004 Precedent Images
- 005 Precedent Images
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- 007 Existing Vista - Delaware Ave
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- 009 Side by Side - Delaware Ave
- 010 Existing Vista - Louisiana Ave
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- 013 Existing Vista - F Street, NW
- 014 Proposed Vista - F Street, NW
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- 102 Proposed Lighting Upgrades - September 2025
- 103 Proposed Lighting Upgrades - October 2025
- 104 Proposed Lighting Upgrades - January 2026
- 105 Rendering Modifications Over Time
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- 110 NCPC Lighting Policy & Framework
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- 122 Front Facade - Lighting Layers - All Layers
- 123 Lighting Plan - Taxiway and Colonnade
- 124 Lighting RCP Plan - Taxiway and Colonnade
- 125 Main Entrance - Existing Conditions
- 126 Main Entrance Proposed - September 2025
- 127 Main Entrance - Side By Side
- 128 Partial Elevation - Main Entry - Lighting Layers
- 129 Partial Side Elevation - Main Entry - Lighting Layers
- 130 Facade Light Fixture - Pole Mounted
- 131 Facade Light Fixture - Pole Mounted - 3D View

**Colonnade and Carriage Porch**

- 200 Colonnade - Existing
- 201 Colonnade - Proposed Rendering
- 202 Colonnade - Existing & Proposed
- 203 Lighting Section - Main Entry Portico
- 204 Lighting Plan - Main Entry Portico
- 205 Lighting RCP - Main Entry Portico
- 206 Historic Light Fixtures
- 207 Carriage Porch - Existing
- 208 Carriage Porch - Proposed Rendering
- 209 Carriage Porch - Existing & Proposed
- 210 Lighting Section - Carriage Porch
- 211 Lighting Plan - Carriage Porch
- 212 Lighting RCP - Carriage Porch

**Main Hall**

- 300 Main Hall - Existing
- 301 Main Hall - Proposed Rendering
- 302 Main Hall - Existing & Proposed
- 303 Lighting Section - Main Hall

**West Hall**

- 400 West Hall - Existing
- 401 West Hall - Proposed Rendering
- 402 West Hall - Existing & Proposed
- 403 Lighting Section - West Hall

**East Hall**

- 500 East Hall - Existing
- 501 East Hall - Proposed Rendering
- 502 East Hall - Existing & Proposed
- 503 Lighting Section - East Hall

**Retail Concourse**

- 600 Retail Concourse - Existing
- 601 Retail Concourse - Proposed Rendering
- 602 Retail Concourse - Existing & Proposed
- 603 Lighting Section - Retail Concourse Condition 1
- 604 Lighting Section - Retail Concourse Condition 2

# Washington Union Station

## Lighting Upgrades



**Union Station**  
REDEVELOPMENT CORPORATION

Concept Presentation To:  
Commission of Fine Arts

February 5, 2026

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- 129 Partial Side Elevation - Main Entry - Lighting Layers
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- 131 Facade Light Fixture - Pole Mounted - 3D View

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- 503 Lighting Section - East Hall

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# Washington Union Station

## Lighting Upgrades



**Union Station**  
REDEVELOPMENT CORPORATION

National Capital Planning Commission  
Preliminary & Final Review

January 30, 2026

<b>General</b>	
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003	Lighting Scope
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005	Precedent Images
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113	Partial Elevation - Light Layering
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202	Colonnade - Existing & Proposed
203	Lighting Section - Main Entry Portico
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<b>Retail Concourse</b>	
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601	Retail Concourse - Proposed Rendering
602	Retail Concourse - Existing & Proposed
603	Lighting Section - Retail Concourse Condition 1
604	Lighting Section - Retail Concourse Condition 2

# Washington Union Station

## Lighting Upgrades



Union Station  
REDEVELOPMENT CORPORATION

DC Historic Preservation Office  
Undertaking Review Request (URR) Submission

January 5, 2026

# Washington Union Station

## Lighting Upgrades

January 5, 2026

OWNER  
 Union Station  
 REDEVELOPMENT CORPORATION

ARCHITECT  
 ANTUNOVICH ASSOCIATES  
 ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
 CLAUDE R. ENGLE  
 LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
 CONSULTING ENGINEERS

MEP & FP ENGINEERS  
 GHT

CIVIL ENGINEER  
 AMT LLC  
 PROFESSIONAL ENGINEERS AND SURVEYORS

### Submissions

9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Lighting Scope**

Page Number

**001**

### Exterior Streetlights and Facade Lighting

#### Intent:

- Increase lighting levels to meet national standards for pedestrian and vehicular pathways.
- Reduce light emission into the night sky
- Accentuate the existing historic quality of the station.

#### Scope Overview:

- Replace (25) twin-20 light poles and fixtures with additional building facade lighting supported off of an armature below the central newel. (6) DDOT poles, (6) NPS poles & (13) USRC poles.
- Upgrade the internal optics of the (18) globe poles, (7) on the west and (11) on the east.
- Install in-ground light fixtures at the base of each pier, wrapping the corner on the east and west side.
- Accent lighting for the (10) statues and text panels along the south elevation.
- All lighting to be 3000K, dimmable and addressable.
- Add low profile linear LED lights on the inside corners of each step of the (4) ziggurats.

### Re-Lamp National Parks Pole Lights

#### Intent:

- Reduce light emission into the night sky
- Accentuate the existing historic quality of the station
- To match the color/temperature of the lighting within Columbus Circle with the surrounding streetlights

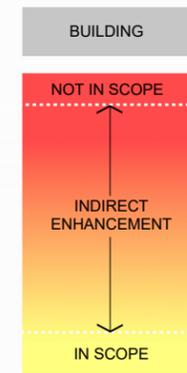
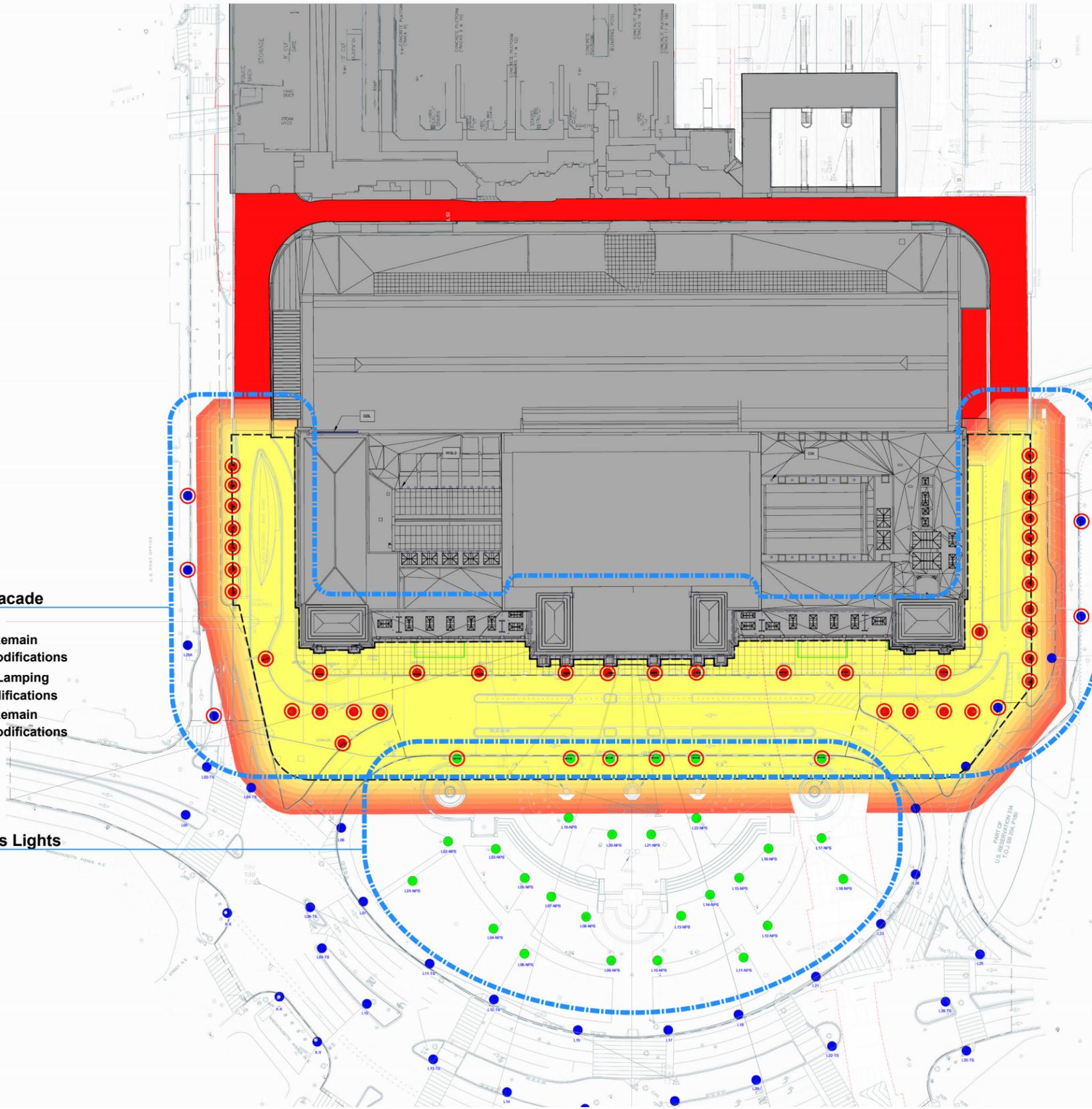
#### Scope Overview:

- Replace the lamps (bulbs) within the (22) single fixture lamp poles within Columbus Circle.

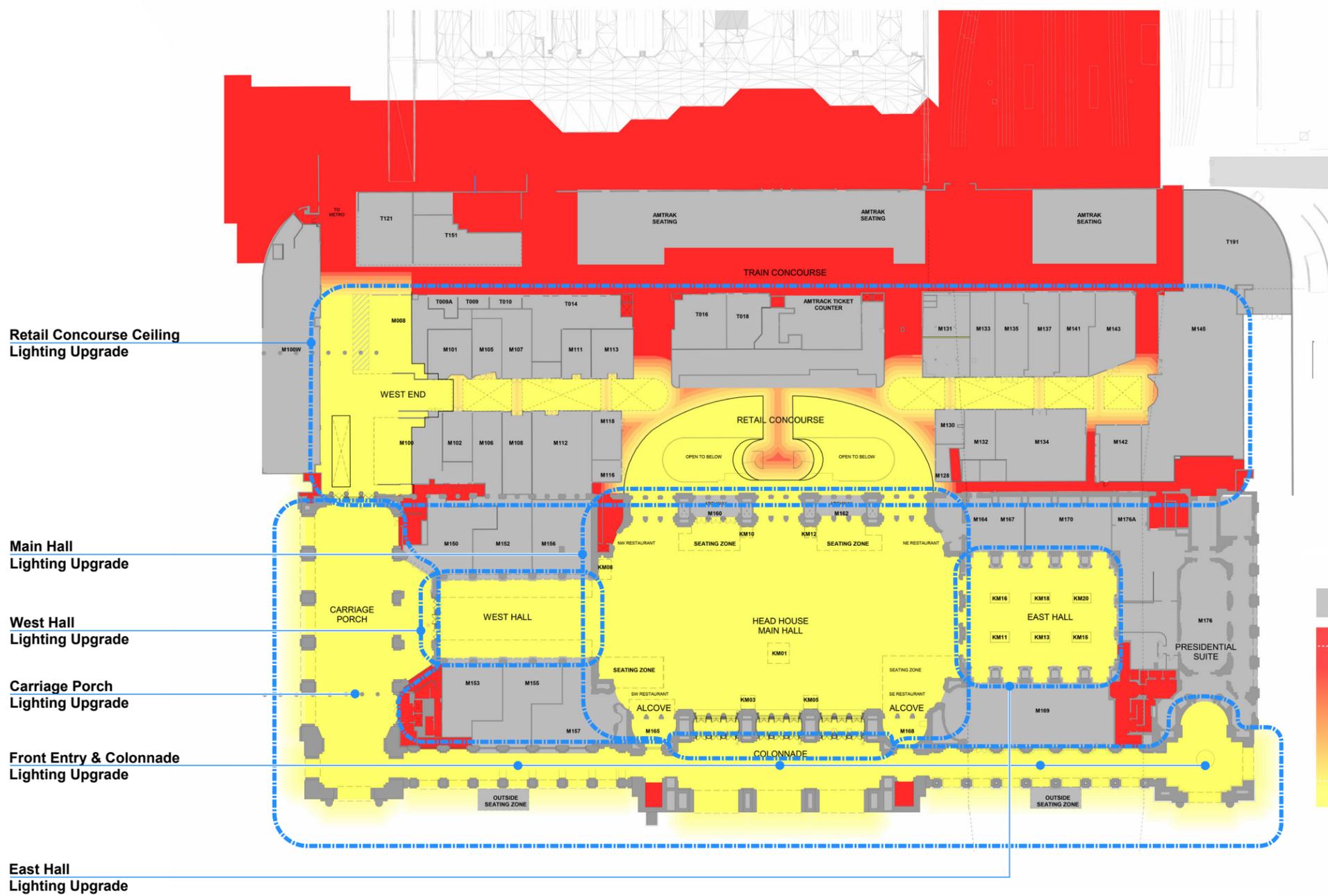
### Exterior Streetlight & Facade Lighting Upgrade

- USRC - Existing to Remain
- USRC - Proposed Modifications
- NPS - Proposed Re-Lamping
- NPS - Proposed Modifications
- DDOT - Existing to Remain
- DDOT - Proposed Modifications

### Re-Lamp National Parks Lights



Site Plan



**Ground Level Plan**

**Front Entry and Colonnade**

- Intent:
- Increase lighting levels to meet national standards for for pedestrian pathways.
  - Decrease glare and provide more indirect lighting.
  - Modernize the internal optics of the existing historic fixtures to accentuate the existing historic vaults.

- Scope Overview:
- Modernize the internal optics of all hanging sconces
  - Modernize the internal optics of dome lights.
  - Add low profile spots to illuminate escalator and door thresholds, housing to color match ceiling.
  - Add low profile linear LED fixtures on top surface of cornice at spring point of vault arches at the Carriage Porch, Main Entry and Executive entry. Fixture to be hidden from view.
  - Add spot lights to statues above main entry doors.
  - All lighting to be 3000K, dimmable and addressable.

**Main Hall**

- Intent:
- Increase lighting Levels to meet security requirements.
  - Decrease glare and provide indirect lighting.
  - Accentuate the Historic Interiors.

- Scope Overview:
- Replace lighting at spring point of plaster vault.
  - Add additional linear LEDs along cornice to light ceiling.
  - Add spot lights to light statues, entry and exit points along perimeter of space.
  - All lighting to be 3000K, dimmable and addressable.

**Washington Union Station**

Lighting Upgrades

January 5, 2026

OWNER  
 Union Station  
 REDEVELOPMENT CORPORATION

ARCHITECT  
 ANTUNOVICH ASSOCIATES  
 ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
 CLAUDE R. ENGLE  
 LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
 CONSULTING ENGINEERS

MEP & FP ENGINEERS  
 GHT

CIVIL ENGINEER  
 AMT LLC  
 PROFESSIONAL ENGINEERS & LAND SURVEYORS

Submissions

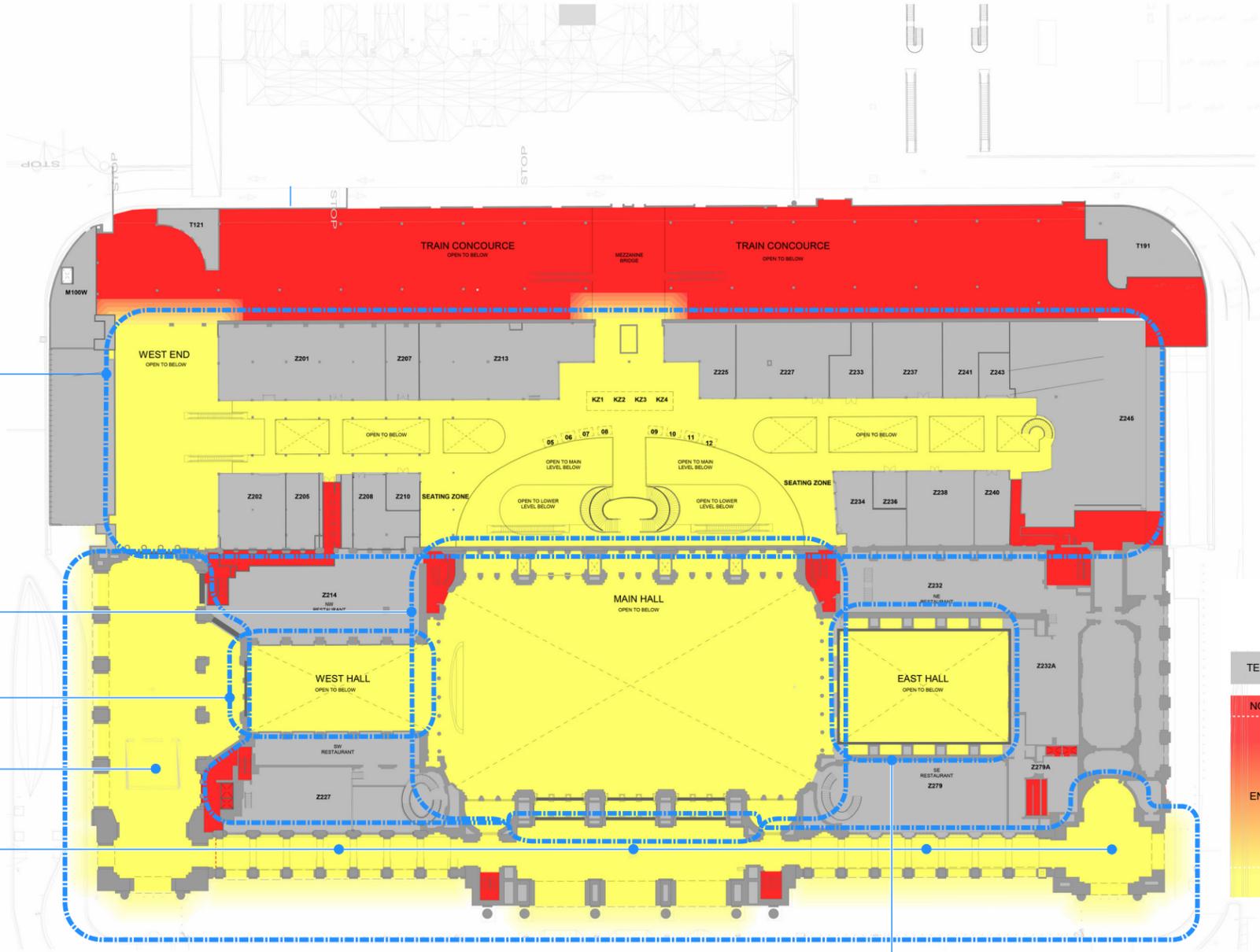
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Page Title

**Lighting Scope**

Page Number

**002**



Retail Concourse Ceiling Lighting Upgrade

Main Hall Lighting Upgrade

West Hall Lighting Upgrade

Carriage Porch Lighting Upgrade

Front Entry & Colonnade Lighting Upgrade

East Hall Lighting Upgrade

Mezzanine Level Plan

**West Hall**

Intent:

- Increase lighting Levels to meet security requirements
- Decrease glare and provide indirect lighting
- Accentuate the Historic Interiors

Scope Overview:

- Replace linear lighting within glass skylight
- Replace linear LEDs along cornice to light ceiling
- Add linear LED's along cornice to light underside of ceiling
- All lighting to be 3000K, dimmable and addressable.

**East Hall**

Intent:

- Increase lighting Levels to meet security requirements.
- Decrease glare and provide indirect lighting.
- Accentuate the Historic Interiors.

Scope Overview:

- Replace linear lighting within sawtooth attic.
- Replace linear LEDs along cornice to light ceiling.
- Add linear LED's along cornice to light underside of ceiling.
- Modernize internal optics of wall sconce and pendent fixtures.
- All lighting to be tunable white, dimmable and addressable.

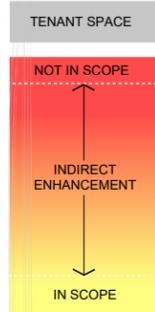
**Retail Concourse**

Intent:

- Increase lighting Levels to meet security requirements.
- Decrease glare and provide indirect lighting.
- Reactivate existing glass laylites within plaster ceiling.

Scope Overview:

- Replace bank for linear lighting within the attic to a mesh LED over laylites.
- Replace spot lights along retail roof with linear LED to light plaster portion of ceiling.
- Add linear LED's along cornice to light plaster portion of ceiling.
- All lighting to be tunable white, dimmable and addressable.



**Washington Union Station**

Lighting Upgrades

January 5, 2026

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 Union Station  
 REDEVELOPMENT CORPORATION

ARCHITECT  
 ANTUNOVICH ASSOCIATES  
 ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
 CLAUDE R. ENGLE  
 LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
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CIVIL ENGINEER  
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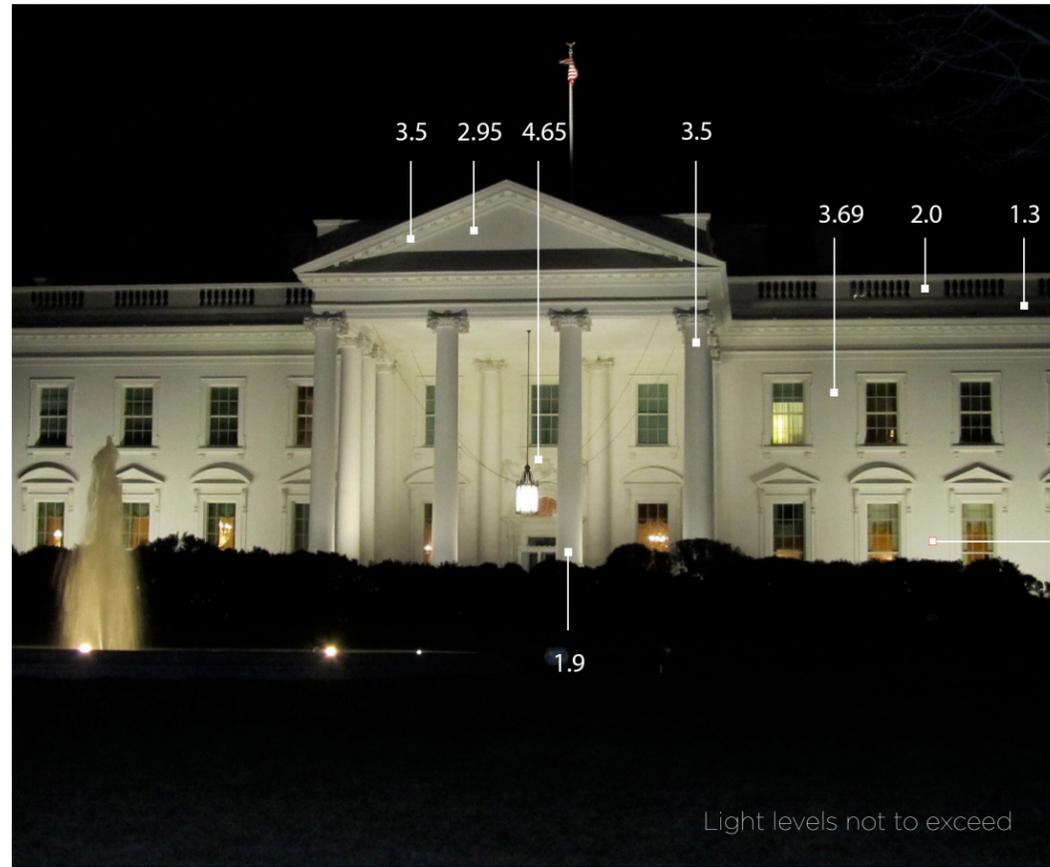
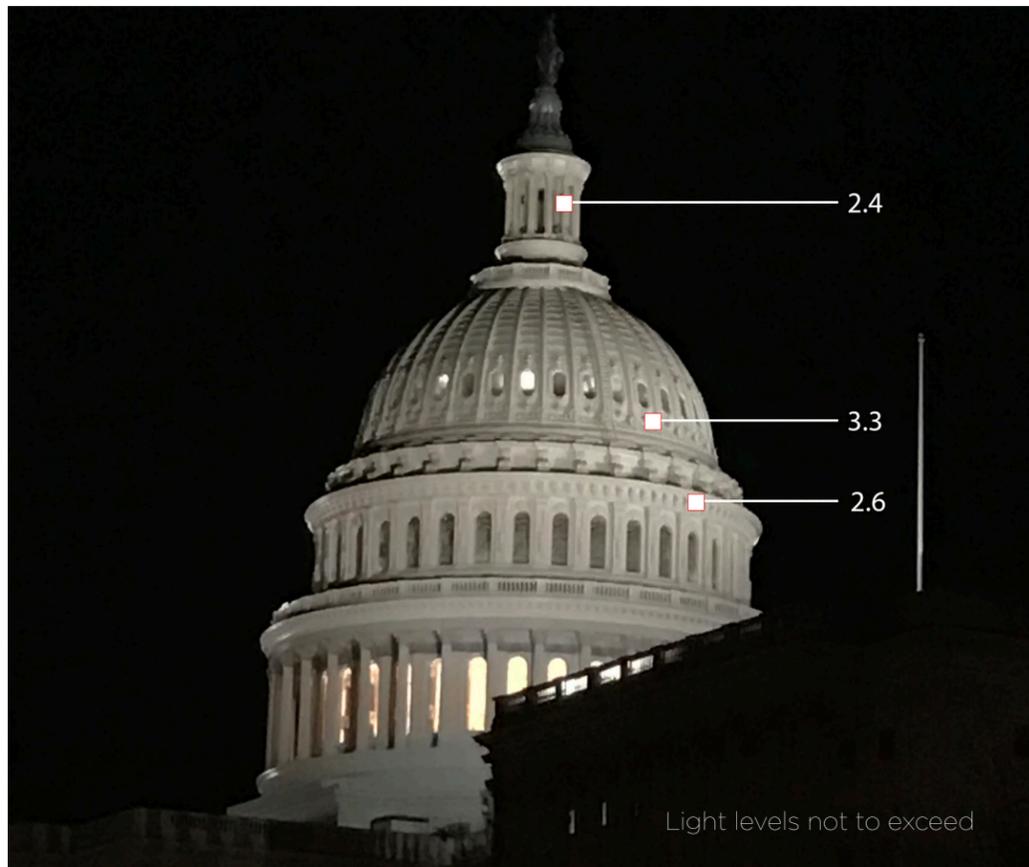
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9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Lighting Scope**

Page Number

**003**



Note:

Units of values noted are in Foot Lamberts

White House and Capital Dome range between 3 - 5 Foot Lamberts

Proposed lighting of Union Station Exterior Facade does not exceed 1.5 foot Lamberts, Similar to the New York Public Library and the Carnegie Library in Washington DC

# Washington Union Station

Lighting Upgrades

January 5, 2026

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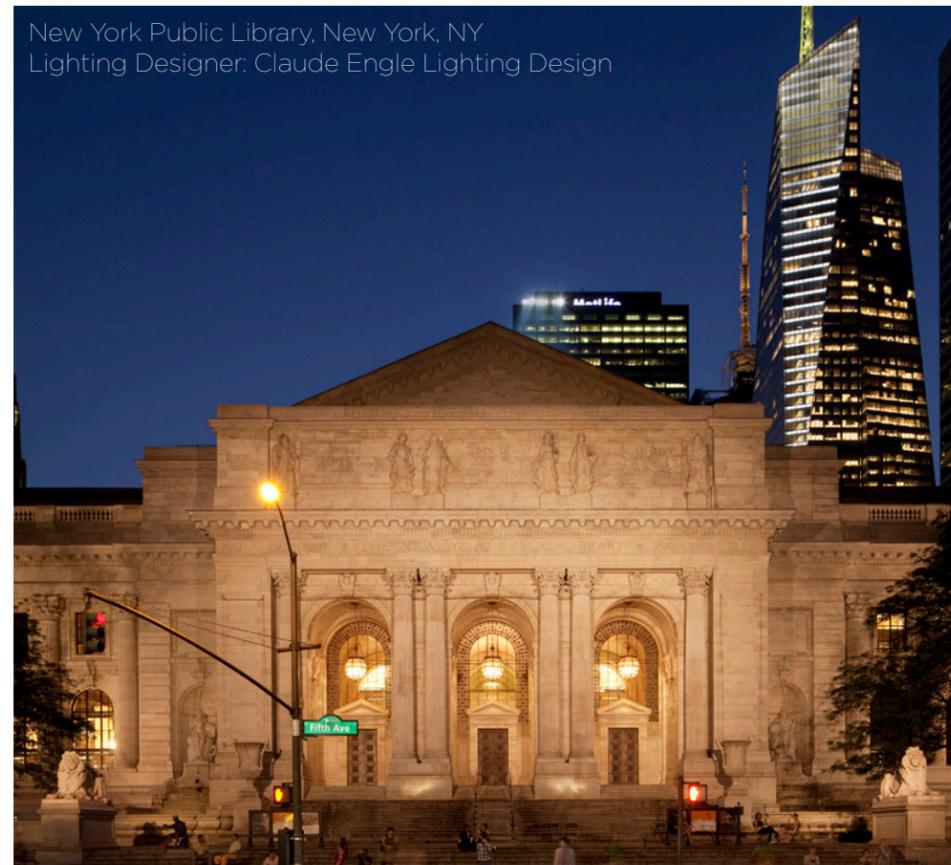
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Carnegie Library, Washington, DC  
 Lighting Designer: Claude Engle Lighting Design



New York Public Library, New York, NY  
 Lighting Designer: Claude Engle Lighting Design



Page Title

**Precedent Images**

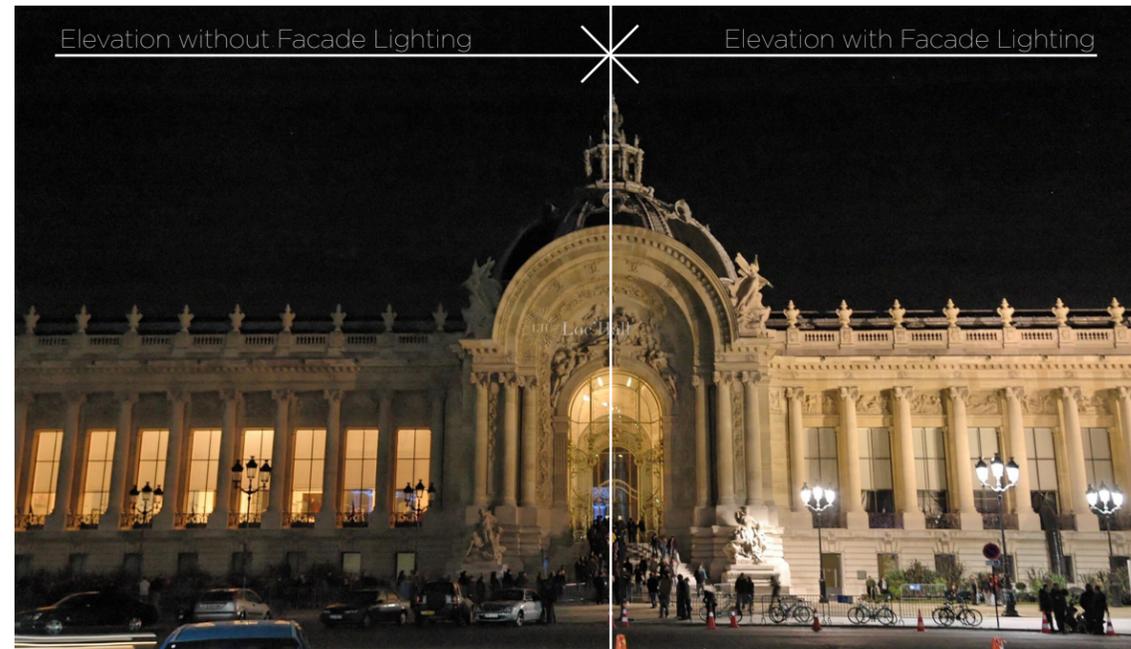
Page Number

**004**



**Our Approach:**

When you see a building lit at night, you should be able to recognize it from what you saw that day. Accentuating dominate features, abstracts and distorts a building. Projecting crossing light onto the elevation respects the historic building form and detail.



**Washington Union Station**

Lighting Upgrades

January 5, 2026

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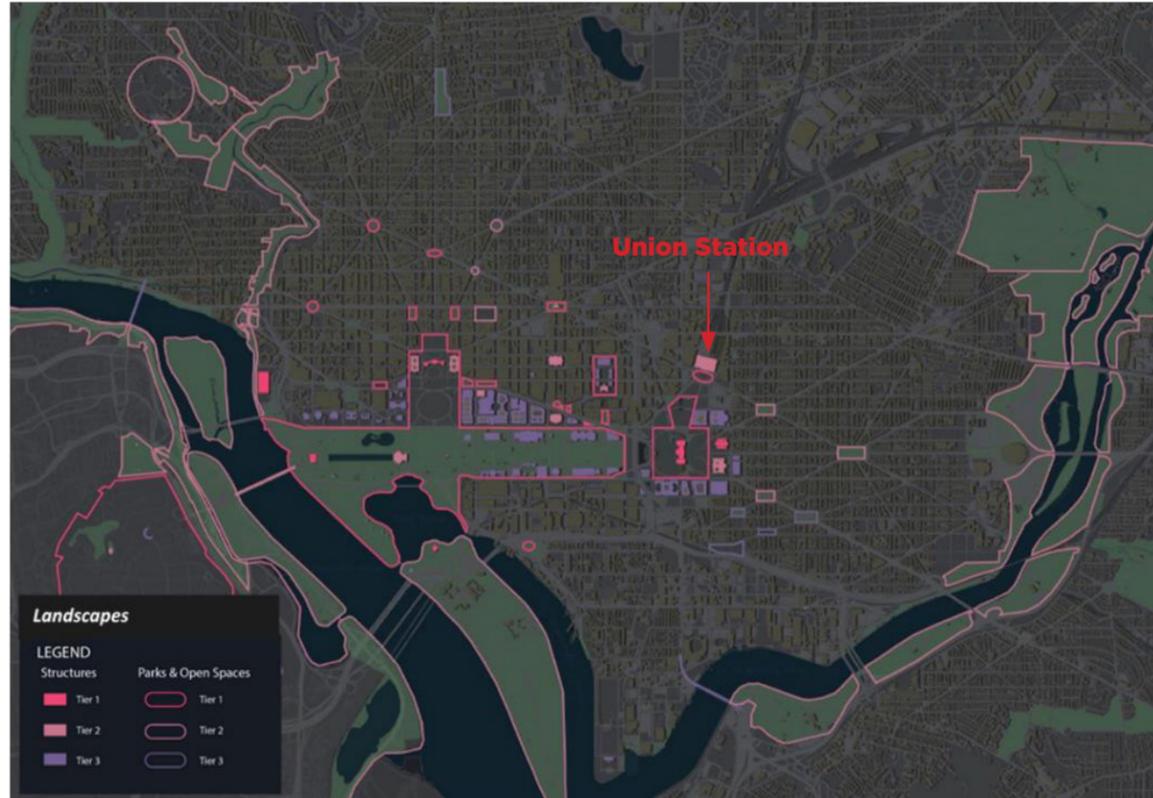
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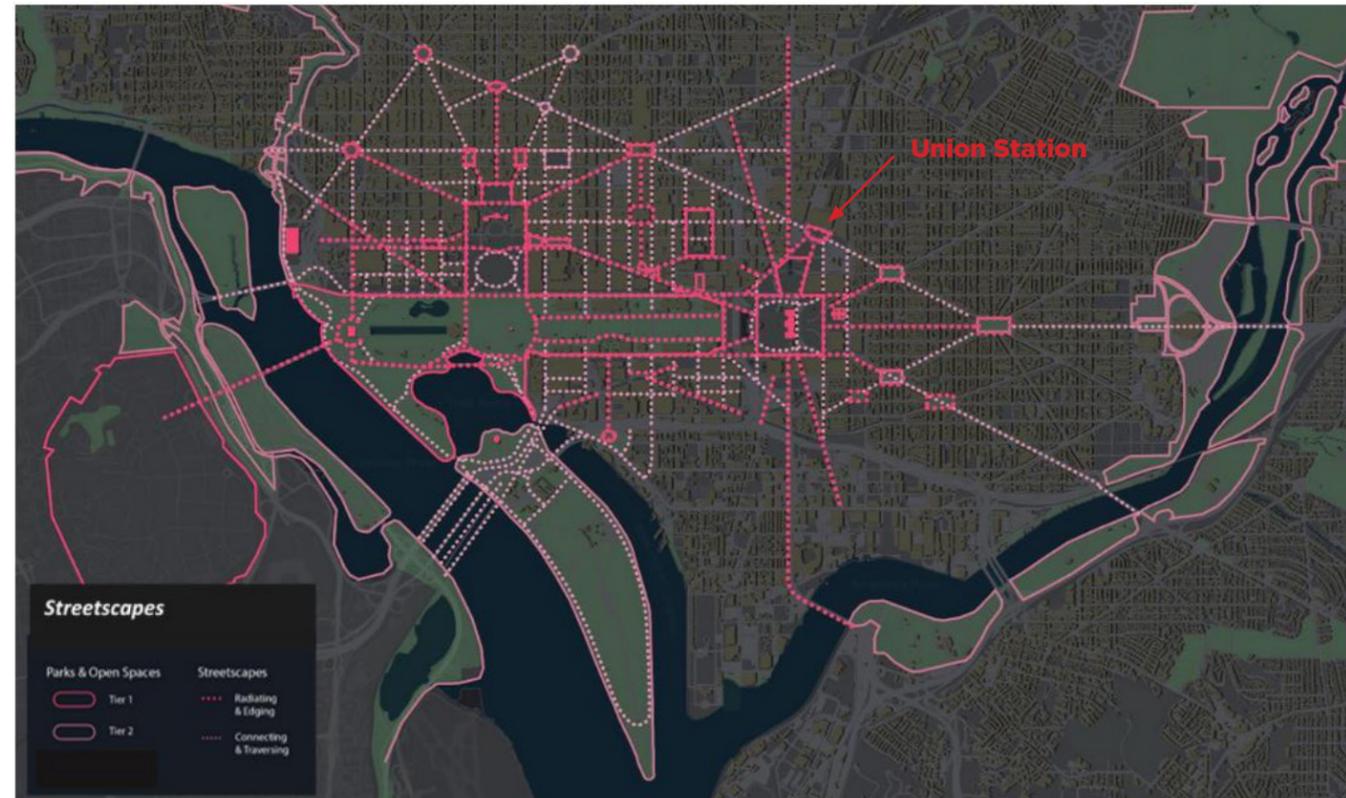
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**Precedent Images**

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**005**

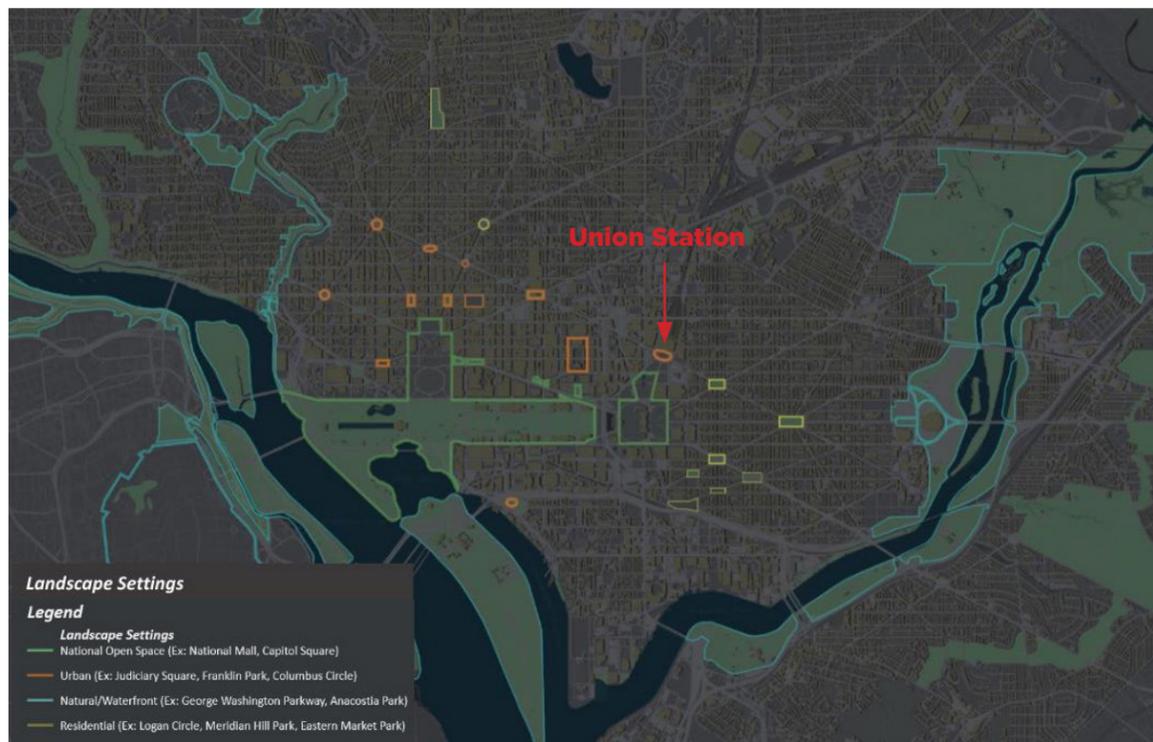
**Building - Tier 2/Urban**



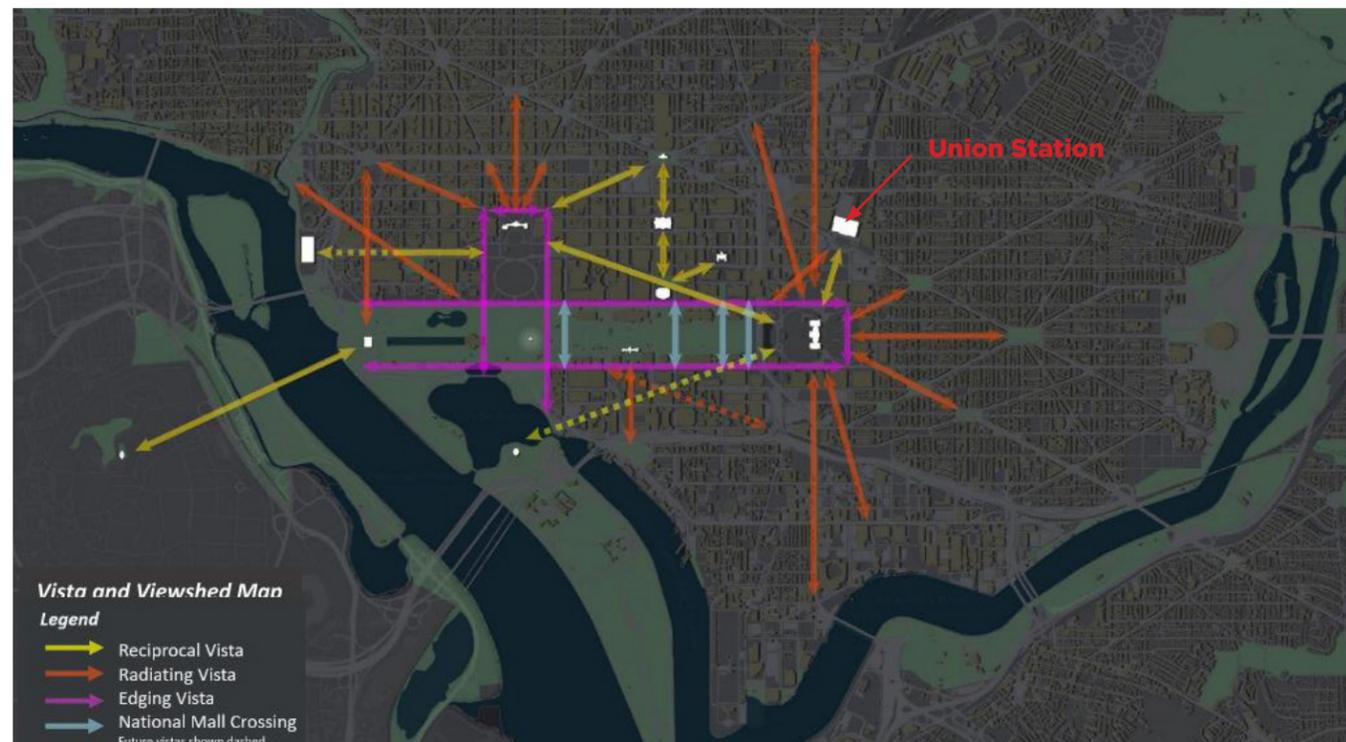
**Streetscape - Tier 1/Urban**



**Columbus Circle - Urban**



**Vista/Viewshed - Reciprocal along Delaware Ave. Radiating along Louisiana Avenue**



**Washington Union Station**

Lighting Upgrades

January 5, 2026

OWNER  
 Union Station REDEVELOPMENT CORPORATION

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 CLAUDE R. ENGLE LIGHTING CONSULTANT

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 AMT LLC PROFESSIONAL ENGINEERS & LAND SURVEYORS

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Page Title  
**NCPC Lighting Policy and Framework**

Page Number  
**006**



Current Condition - Reciprical view with US Capital  
View looking north on Delaware Ave

Building & Street Lighting along Vistas  
Credit: pg 5 from August 2019 NCPC Lighting Policy and Framework

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



ARCHITECT



LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



MEP & FP ENGINEERS



CIVIL ENGINEER



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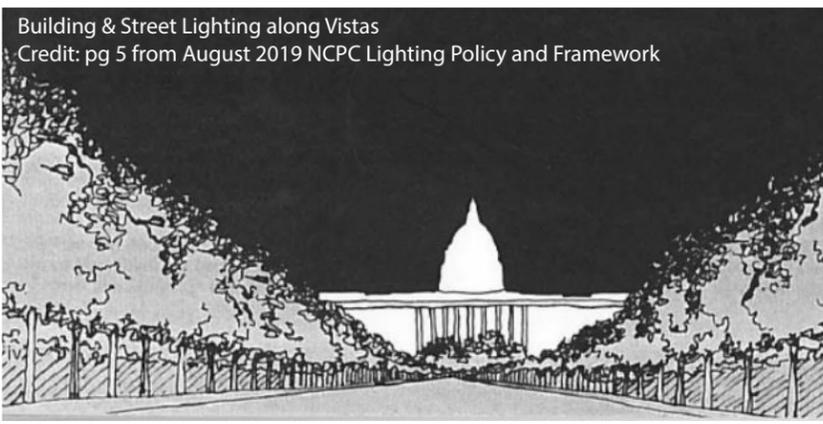
**Existing Vista  
Delaware Ave**

Page Number

**007**



Proposed View - Reciprocal View with the US Capital - January 2026  
View looking north on Delaware Ave



Building & Street Lighting along Vistas  
Credit: pg 5 from August 2019 NCPC Lighting Policy and Framework

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER  
 Union Station  
 REDEVELOPMENT CORPORATION

ARCHITECT  
 ANTUNOVICH  
 ASSOCIATES  
 ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
 CLAUDE R. ENGLE  
 LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
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Page Title

**Proposed Vista - Delaware Ave**

Page Number

**008**

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



ARCHITECT



LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



MEP & FP ENGINEERS



CIVIL ENGINEER



### Submissions

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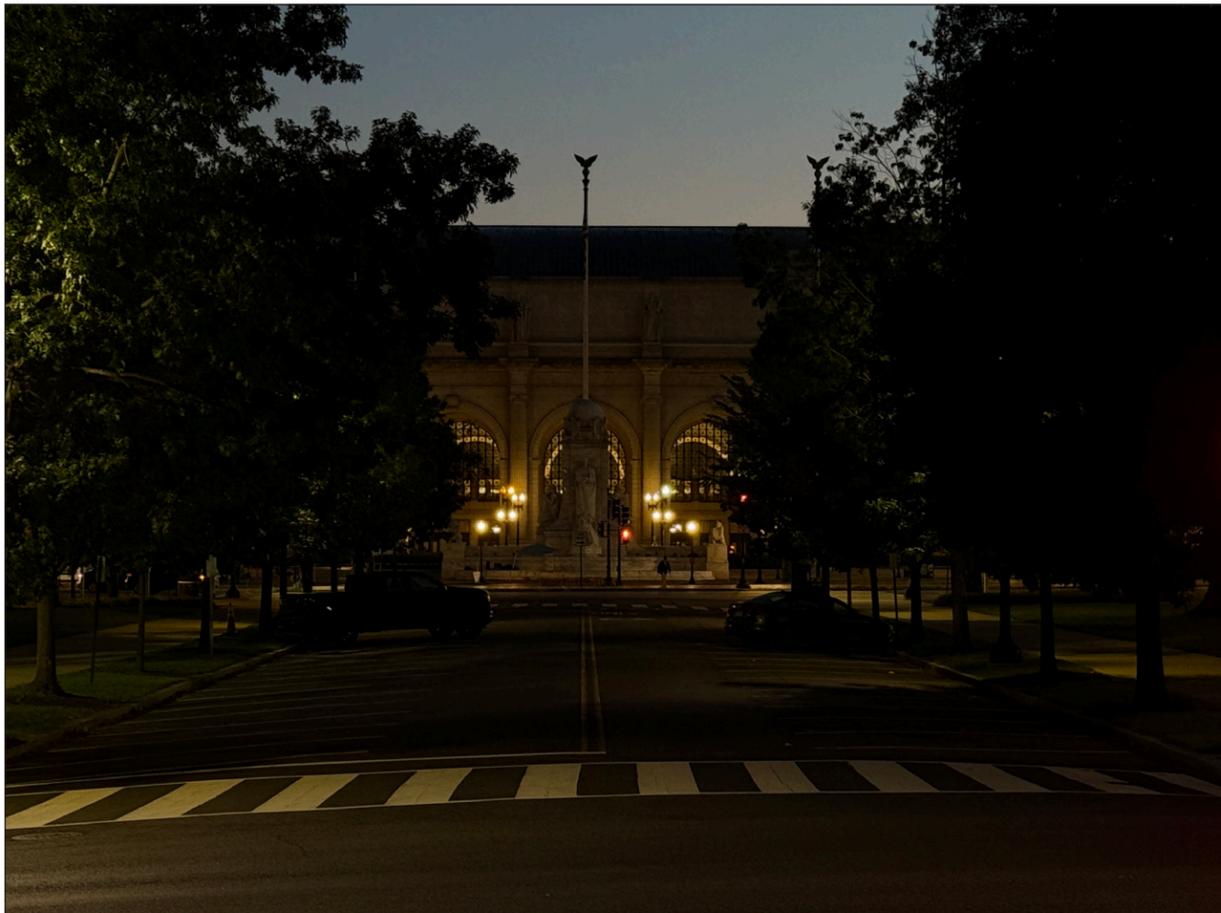
Page Title

**Existing & Proposed  
Side by Side  
Delaware Ave**

Page Number

**009**

Current Condition - Reciprocal view with US Capital  
View looking north on Delaware Ave

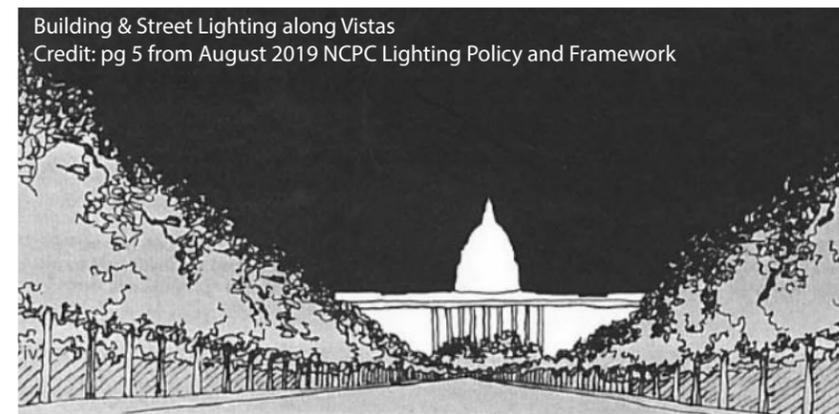


Proposed View - Reciprocal view with US Capital - January 2026  
View looking north on Delaware Ave



Building & Street Lighting along Vistas

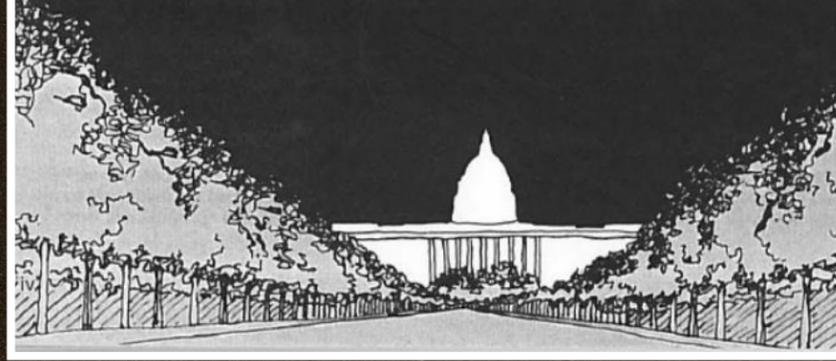
Credit: pg 5 from August 2019 NCPC Lighting Policy and Framework





Current Condition - Reciprocal View with National Mall - January 2026  
View looking north on Louisiana Ave

Building & Street Lighting along Vistas  
Credit: pg 5 from August 2019 NCPC Lighting Policy and Framework



# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



ARCHITECT



LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



MEP & FP ENGINEERS



CIVIL ENGINEER



### Submissions

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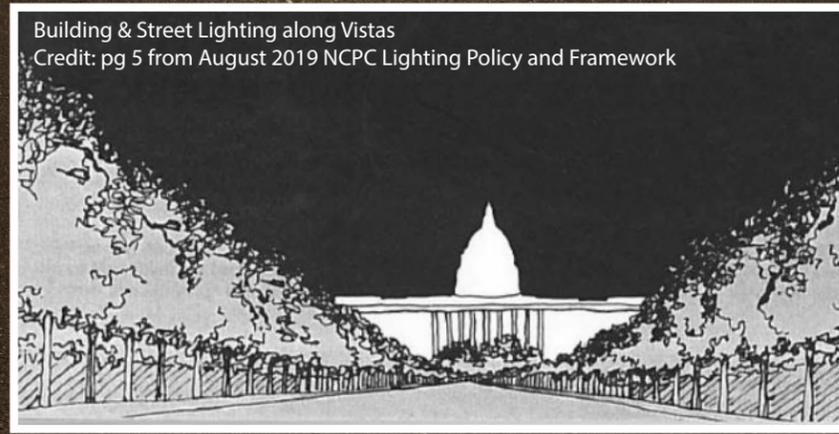
**Existing Vista  
Louisiana Ave**

Page Number

**010**



Proposed View - Reciprocal View with National Mall - January 2026  
View looking northeast on Louisiana Ave



Building & Street Lighting along Vistas  
Credit: pg 5 from August 2019 NCPC Lighting Policy and Framework

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



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LIGHTING CONSULTANT

STRUCTURAL ENGINEER



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## Submissions

- 9/04/2025 - HPO Submission
- 9/04/2025 - CFA Submission
- 9/05/2025 - NCPC Submission
- 9/18/2025 - CFA Presentation
- 1/5/2026 - HPO URR Submission

Page Title

**Proposed Vista  
Louisiana Ave**

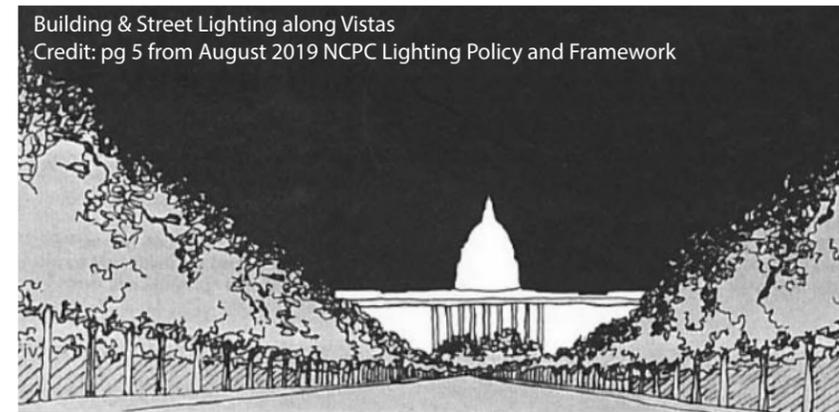
Page Number

**011**

Current Condition - Reciprical View with National Mall  
View looking north on Delaware Ave



Proposed View - Reciprical View with National Mall - January 2026  
View looking north on Delaware Ave



# Washington Union Station

Lighting Upgrades

January 5, 2026

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9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
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Page Title

**Existing & Proposed  
Side by Side  
Louisiana Ave**

Page Number

**012**



Current Condition - Traversing View  
View looking east on F Street, NW

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9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Existing Vista  
F Street, NW**

Page Number

**013**



Proposed View - TraversingView - January 2026  
View looking east on F Street, NW

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1/5/2026 - HPO URR Submission

Page Title

**Proposed Vista  
F Street NW**

Page Number

**014**

Current Condition - Traversing View  
View looking east on F Street, NW



Proposed View - Traversing View - January 2026  
View looking east on F Street, NW



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Page Title

**Existing & Proposed  
Side by Side  
F Street, NW**

Page Number

**015**



Current Condition  
View looking northwest on Massachusetts Ave

# Washington Union Station

Lighting Upgrades

January 5, 2026

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- 9/04/2025 - CFA Submission
- 9/05/2025 - NCPC Submission
- 9/18/2025 - CFA Presentation
- 1/5/2026 - HPO URR Submission

Page Title

**Existing Condition**

Page Number

**100**



Proposed Lighting Upgrades  
 View looking northwest on Massachusetts Ave  
 Original View - April 2025

# Washington Union Station

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January 5, 2026

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9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Proposed Lighting Upgrades  
 April 2025**

Page Number

**101**



Proposed Lighting Upgrades  
 View looking northwest on Massachusetts Ave  
 First Revision - September 2025

# Washington Union Station

Lighting Upgrades

January 5, 2026

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9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Proposed Lighting  
 Upgrades  
 September 2025**

Page Number

**102**



Proposed Lighting Upgrades  
 View looking northwest on Massachusetts Ave  
 Second Revision - October 2025

# Washington Union Station

Lighting Upgrades

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9/05/2025 - NCPC Submission
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Page Title

**Proposed Lighting Upgrades  
 October 2025**

Page Number

**103**



Proposed Lighting Upgrades  
 View looking northwest on Massachusetts Ave  
 Third Revision - January 2026

# Washington Union Station

Lighting Upgrades

January 5, 2026

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9/18/2025 - CFA Presentation
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Page Title

**Proposed Lighting  
 Upgrades  
 January 2026**

Page Number

**104**



Original Front Elevation Rendering  
April 2025



Front Elevation Rendering - Revision 1  
September 2025



Front Elevation Rendering - Revision 2  
October 2025



Front Elevation Rendering - Revision 3  
January 2026

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Page Title

**Rendering  
Modification over  
Time**

Page Number

**105**

# Washington Union Station

Lighting Upgrades

January 5, 2026

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9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Side by Side  
Existing &  
January 2026**

Page Number

**106**

Current Condition  
View looking northwest on Massachusetts Ave



Existing Condition Photo

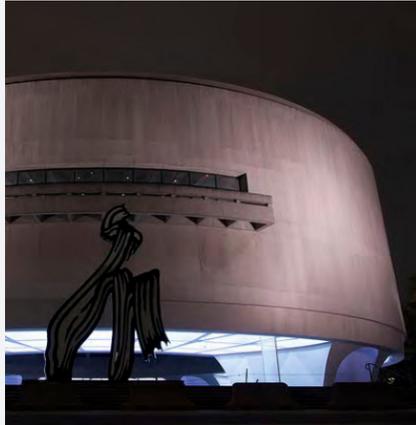
Proposed Lighting Upgrades  
View looking northwest on Massachusetts Ave



Front Elevation Rendering - Revision 3  
January 2026

## Structures

**Building:**  
Hirshhorn  
Museum



**Building:**  
Kennedy  
Center



**Building:**  
White  
House



**Event:**  
Art  
Installation  
**Duration:**  
apx 8  
weeks



**Event:**  
Honors  
Ceremony  
**Duration:**  
apx 1 week



**Event:**  
Marriage  
Equality  
**Duration:**  
1-2 nights



25

National Capital Planning Commission

File: 7886

Credit: National Capital Planning Commission



Photo: Courtesy of 900lbs

Text Excerpt for NCPC Lighting Policy and Framework August 2019

Colored light and projected images on **federal buildings** should only be used on a *temporary* basis to celebrate art, festivals, or special public events.

*Temporary:* For this application, temporary means several days or weeks, to a maximum of 30 days total<sup>12</sup>, and not to occur longer than a cumulative total of three months if intermittent (occurring on non-consecutive days).

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Lighting Upgrades

January 5, 2026

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9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**NCPC Colored  
Lighting Policy**

Page Number

**110**



Proposed Temporary Colored Lighting  
View looking northwest on Massachusetts Ave  
January 2026

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Lighting Upgrades

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Page Title

**R / W / B  
Example  
Colored Lighting**

Page Number

**101**

# Washington Union Station

Lighting Upgrades

January 5, 2026

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1/5/2026 - HPO URR Submission

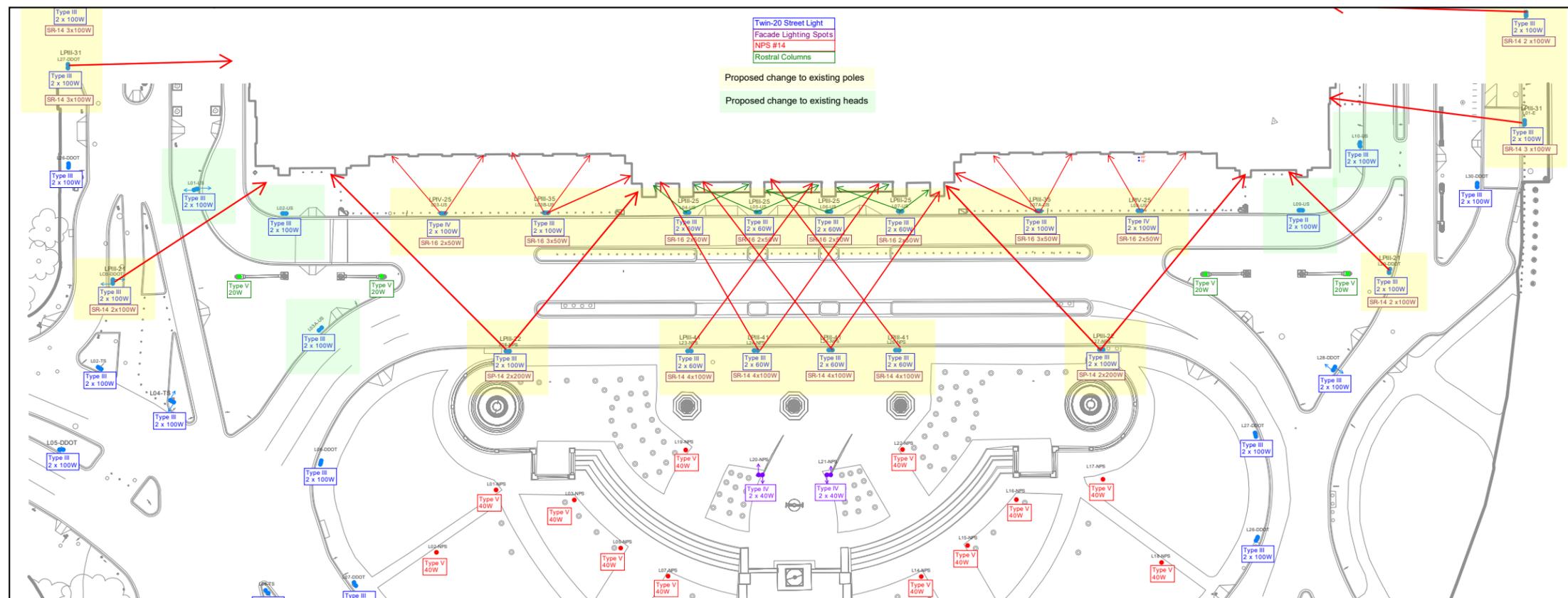
Page Title

**Facade Lighting Aiming Plan**

Page Number

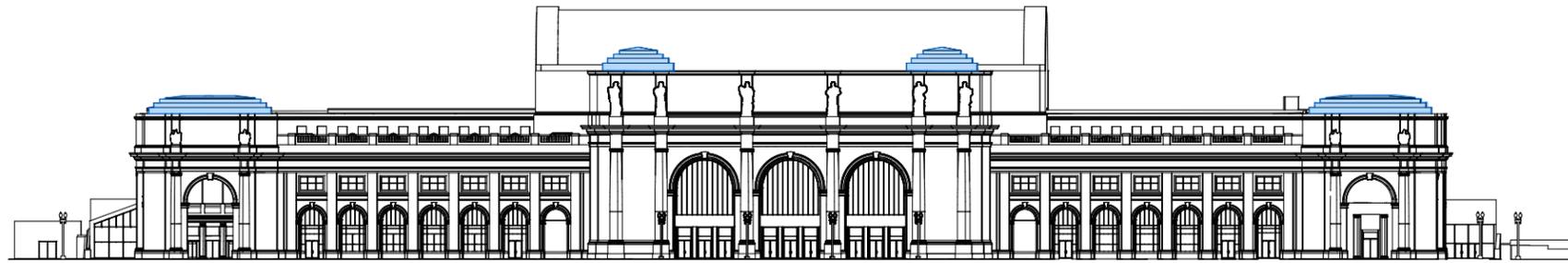
**120**

## Columbus Circle Lighting Site Plan

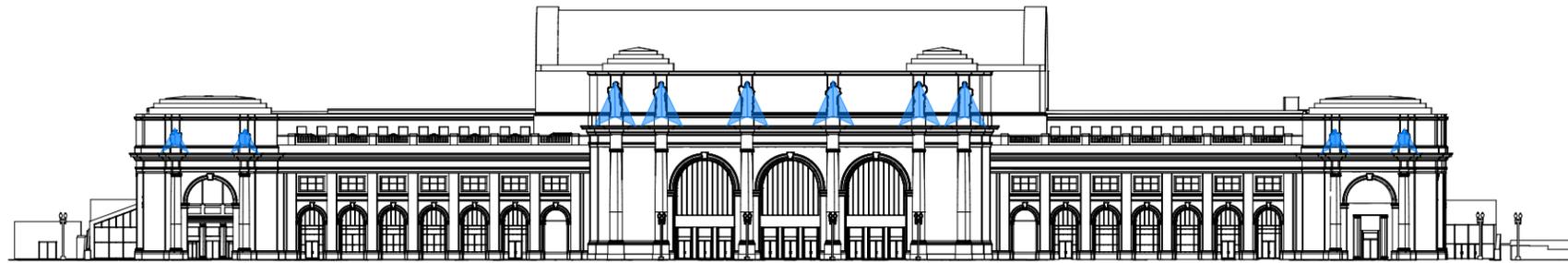


### General Notes:

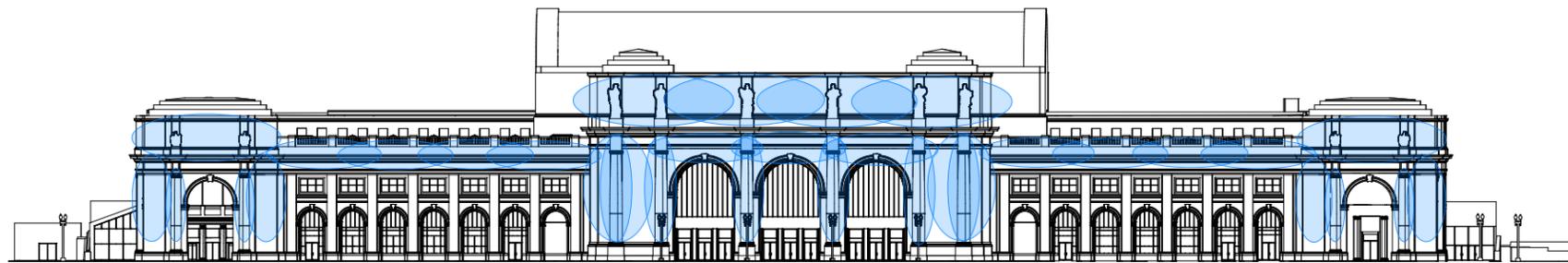
The lighting spread illustrated on the drawings represents the angle of the light spread and the aimed direction from the proposed optics.



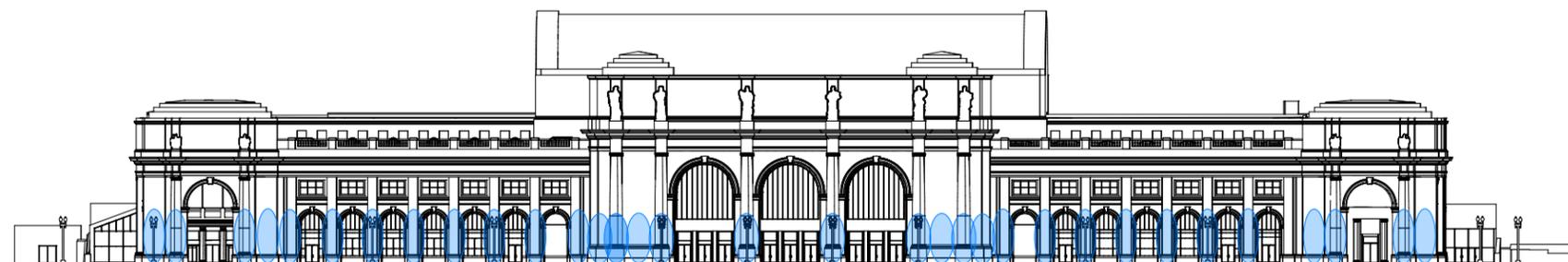
**Ziggurat Lighting**



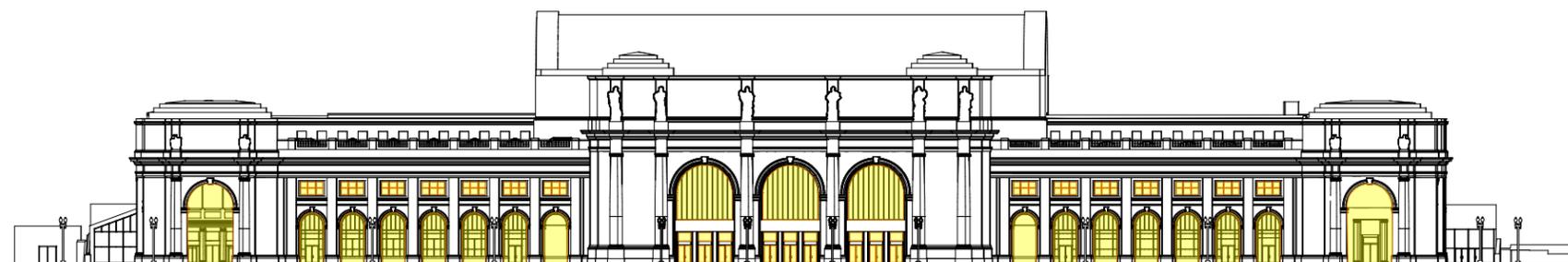
**Statue Lighting**



**Facade Field Lighting**



**Uplighting**



**Interior Lighting / "Inner Glow"**

## Lighting Layers/Control Zones

### Ziggurat Lighting

The vertical surfaces of the four corbeled tops are to be illuminated by thin LED linear fixtures tucked tight to the inside corners of the steps.

- 3000 K white
- dimmable between 7% & 100%
- Each ziggurat control by separate circuit

### Statue Lighting

The 10 statues above the cornice line are to be illuminated by small LED spot fixtures hidden from an on-grade vantage point.

- 3000 K white
- dimmable between 7% & 100%
- the two west and east statues and the 6 center statues controlled on three separate circuits

### Facade Field Lighting

This light is from 25 existing twin-20 streetlight poles, 13 from the station, 6 from NPS and 6 from DDOT. Lights will be aimed 12'-0" min. above grade to eliminate blinding light from people exiting the station.

- 3000 K white
- Each light is individually controlled
- dimmable between 5% & 100%
- the text relief between the statues will be illuminated by linear LED hidden behind the decoration beams, controlled by separate circuit and hidden from view

### In-Ground Up-Lighting

To accentuate the piers between the arched openings and to ground the building when lite, single inground lights will be installed

- 3000 K white
- dimmable between 10% & 100%
- controlled on two separate circuits, east and west

### Interior Lighting

It is intended the lighting from the interior space, seen through the glazed openings, to be the brightest, the Front colonnade being less bright, and the exterior facade to be less than the colonnade

- 3000 K white
- refer to colonnade and interior lighting plans for controls

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Lighting Upgrades

January 5, 2026

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Page Title

**Front Facade Lighting Layers - Individual Layers**

Page Number

**121**

# Washington Union Station

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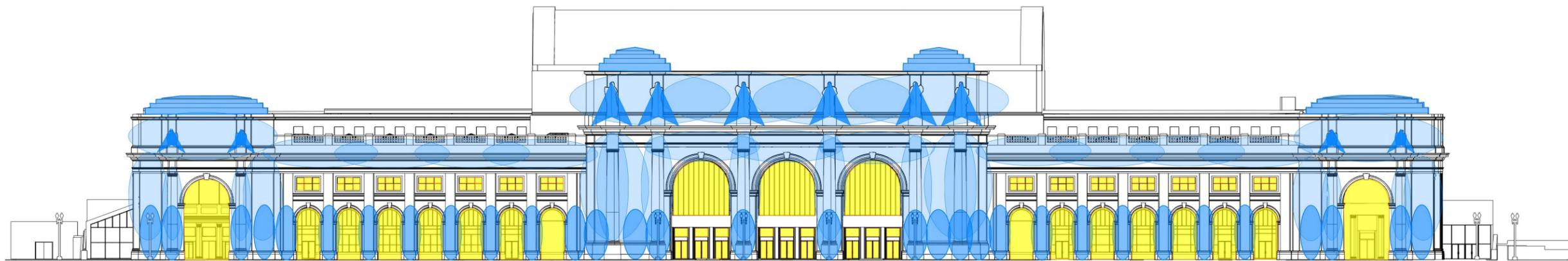
- 9/04/2025 - HPO Submission
- 9/04/2025 - CFA Submission
- 9/05/2025 - NCPC Submission
- 9/18/2025 - CFA Presentation
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Page Title

**Front Facade  
Lighting Layers -  
All Layers**

Page Number

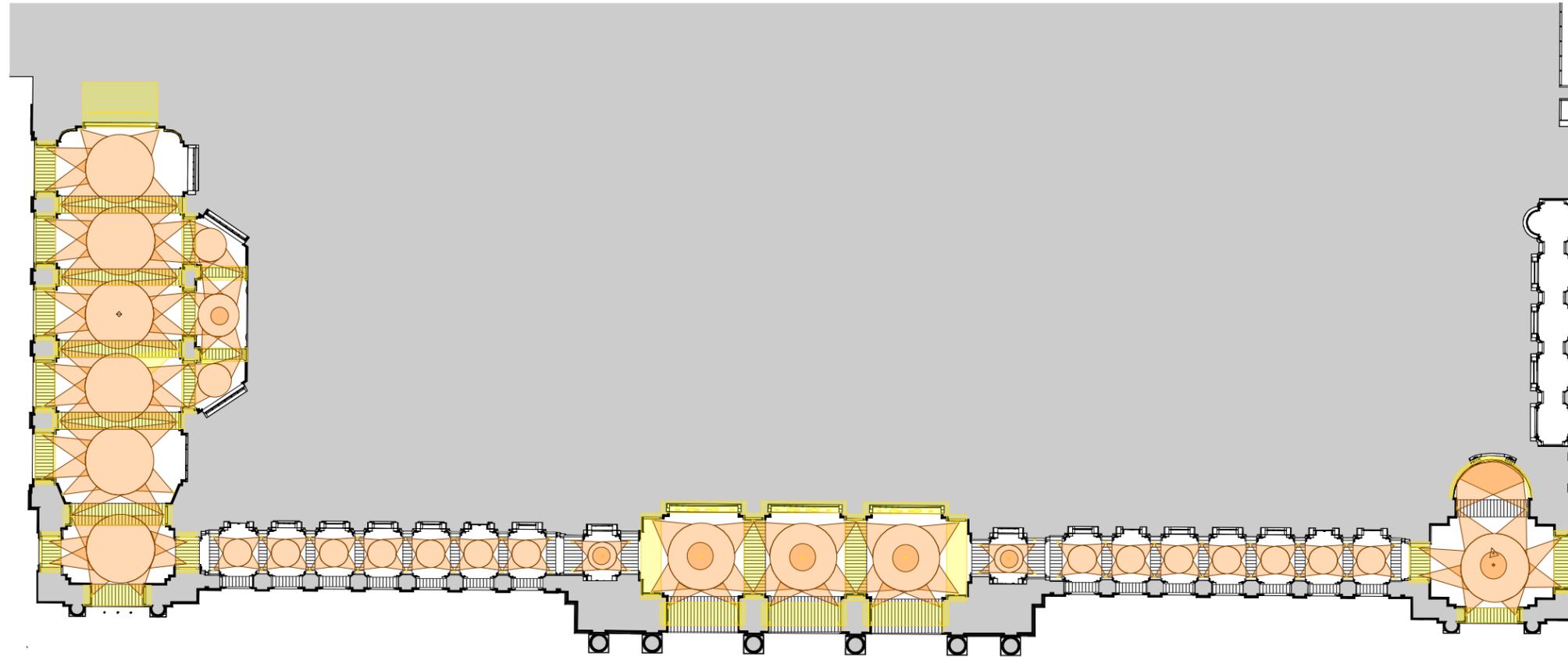
**122**



**Final Composition**



Main Level Lighting Reflected Ceiling Plan



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics.

**Legend**

	Light from new fixtures
	Light from existing historic fixtures with new optics

**Washington  
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Lighting Upgrades

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Page Title

**Lighting RCP  
Taxiway &  
Colonnade**

Page Number

**124**



Existing Condition  
Front Entry Portico

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Page Title

**Main Entrance  
Existing Condition**

Page Number

**125**



Proposed Lighting Upgrades  
 Front Entry Portico  
 Last Update - September 2025

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Lighting Upgrades

January 5, 2026

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Page Title

**Main Entrance  
 Proposed  
 September 2025**

Page Number

**126**

Current Condition  
Front Entry Portico



Existing Condition Photo

Proposed Lighting Upgrades - September 2025  
Front Entry Portico



Proposed Lighting Design

# Washington Union Station

Lighting Upgrades

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9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
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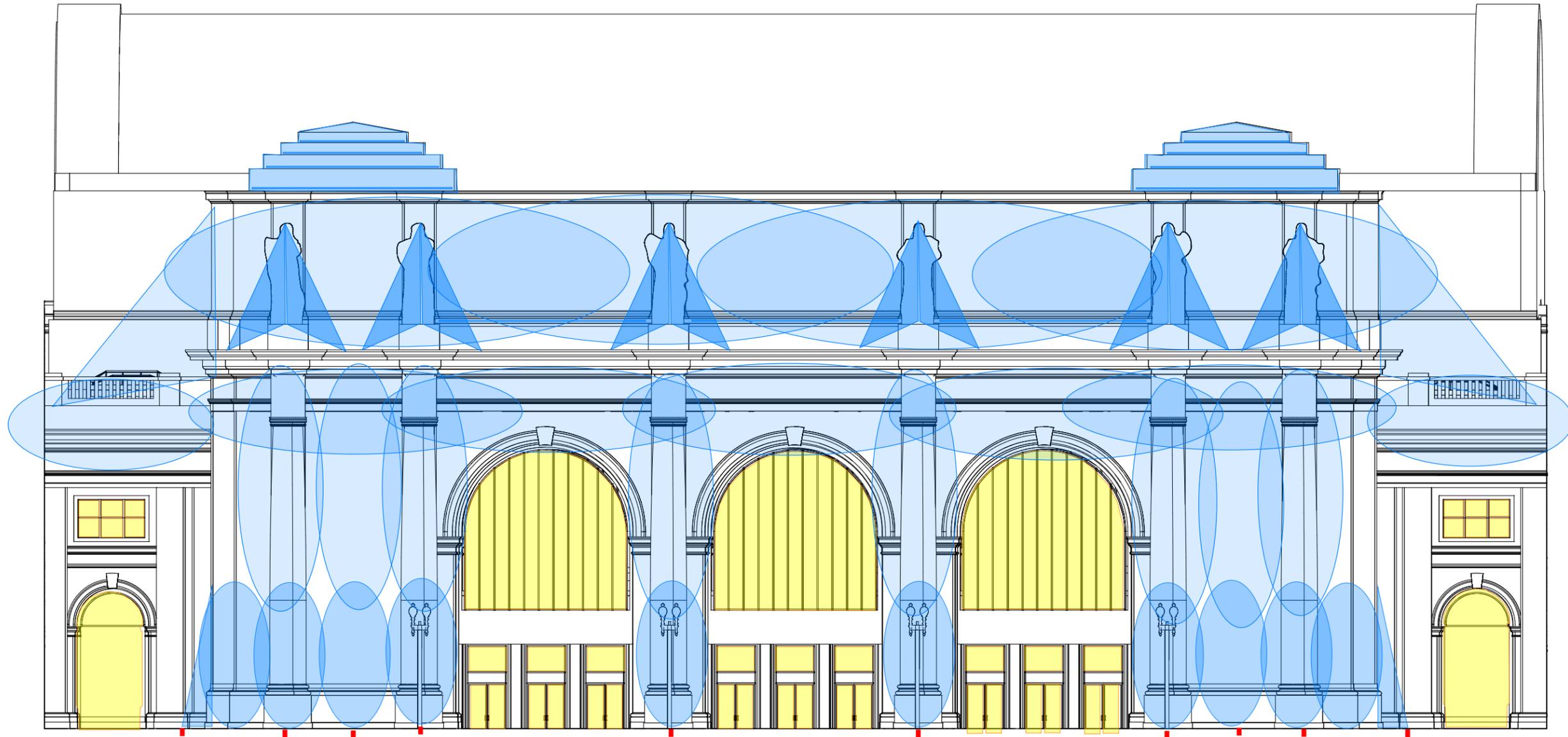
Page Title

**Main Entrance  
Side By Side**

Page Number

**127**

Partial South Elevation - Main Entry Portico



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics.

**Legend**

<span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black;"></span>	Light from interior visible from the exterior
<span style="display: inline-block; width: 15px; height: 15px; background-color: lightblue; border: 1px solid black;"></span>	Lighting on exterior bulding facade

**Washington  
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Lighting Upgrades

January 5, 2026

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 ANTUNOVICH  
ASSOCIATES  
ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
CLAUDE R. ENGLE  
LIGHTING CONSULTANT

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 mcmullan  
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9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

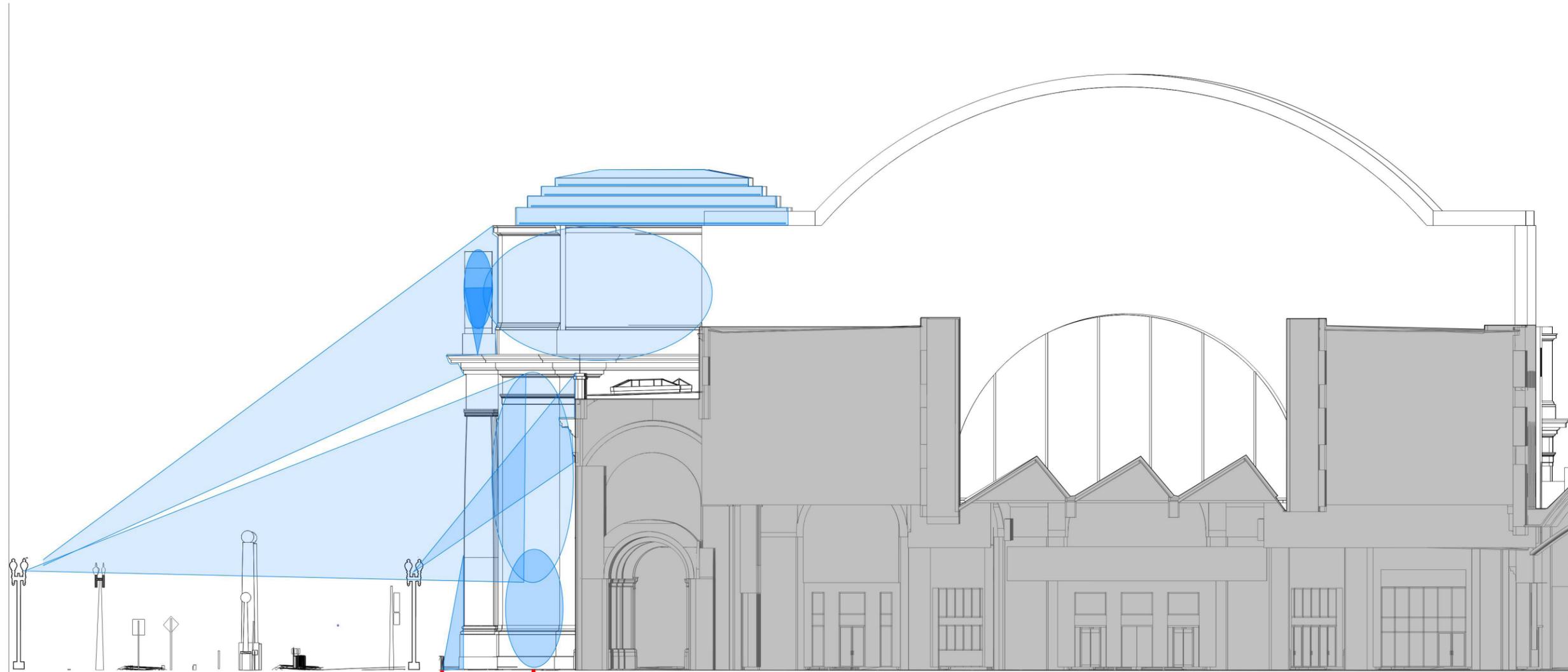
Page Title

**Parital Elevation  
Main Entrance  
Light Layering**

Page Number

**128**

Partial East Elevation - Main Entry Portico



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics.

**Legend**



**Washington  
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Lighting Upgrades

January 5, 2026

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LIGHTING DESIGNER  
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LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
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Submissions
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9/04/2025 - CFA Submission
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Page Title

**Partial Side  
Elevation  
Lighting Layering**

Page Number

**129**

# Washington Union Station

## Lighting Upgrades

January 5, 2026

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### Submissions

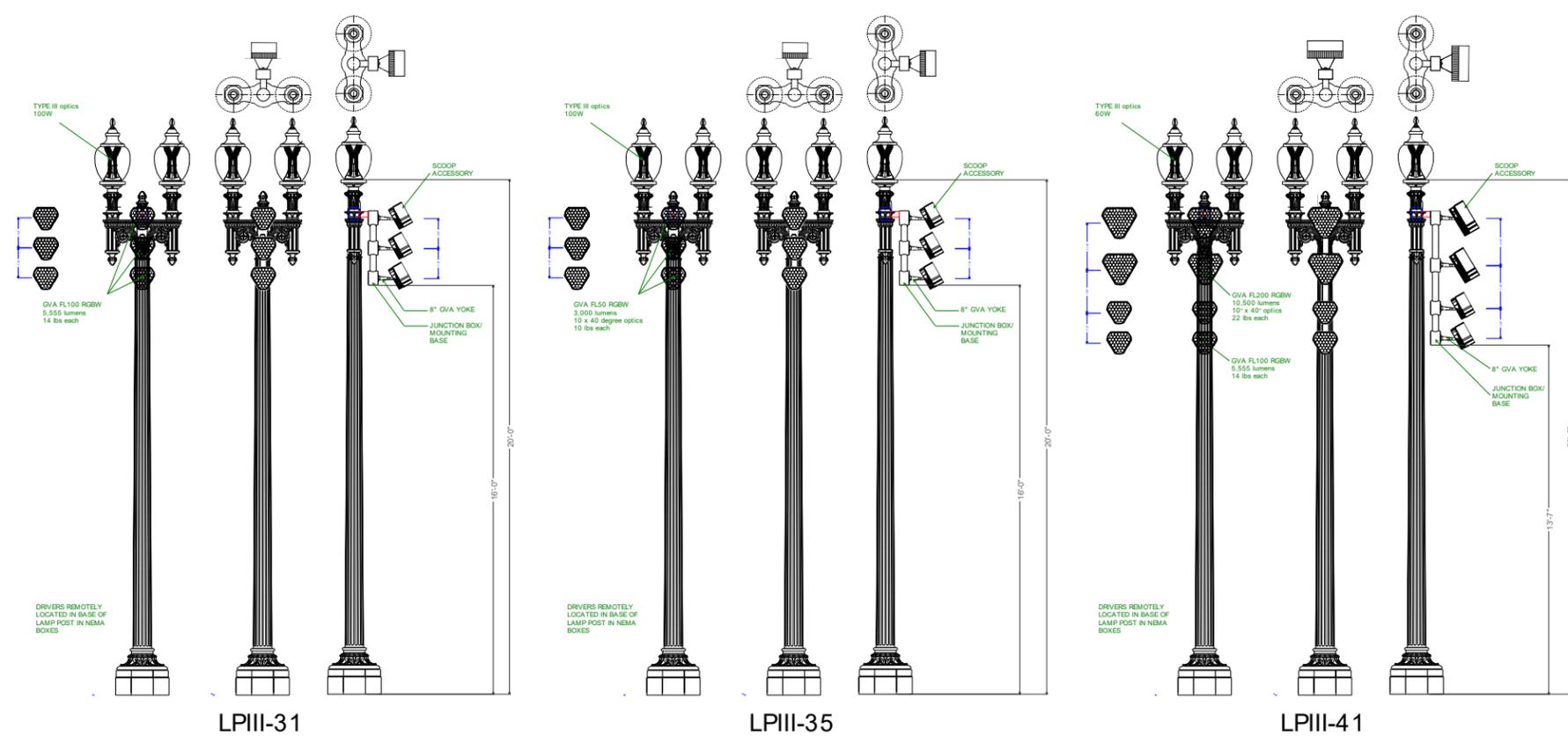
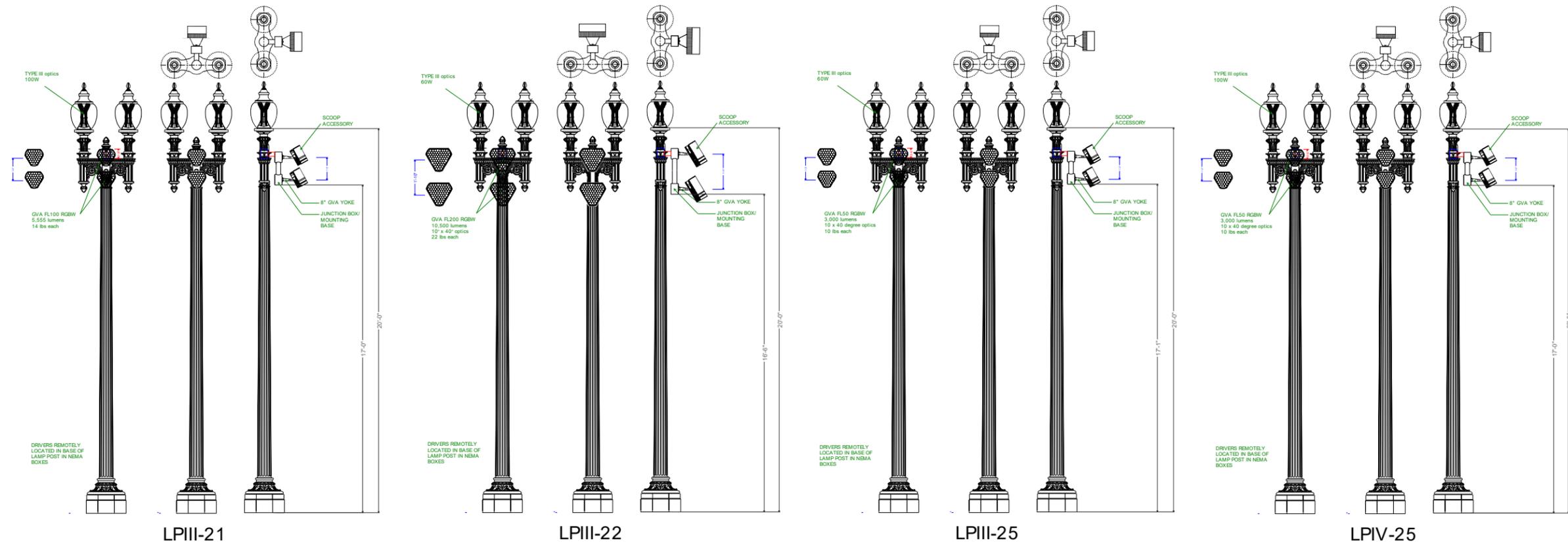
9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Facade Light  
Fixtures  
Pole Mounted**

Page Number

**130**



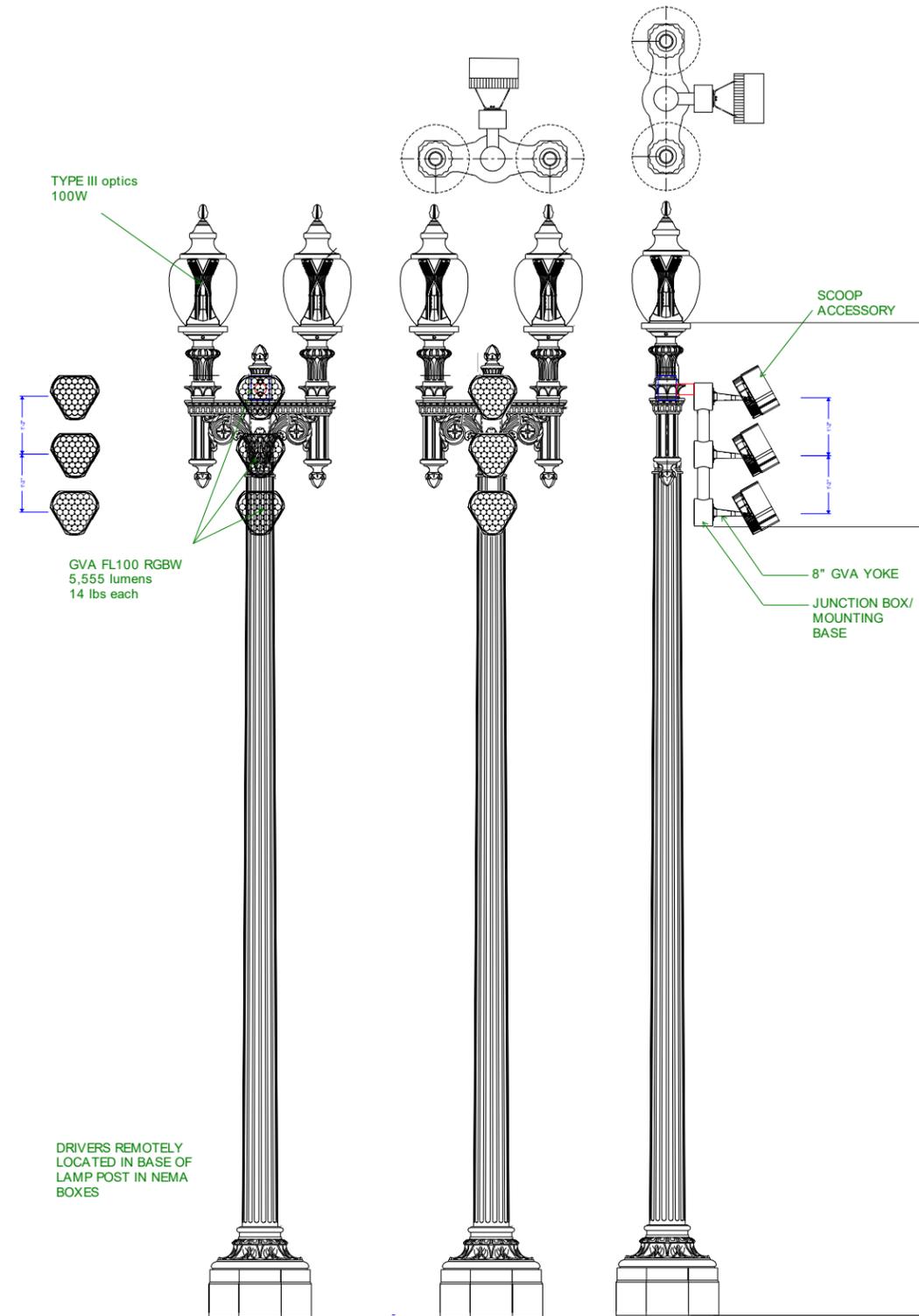
### Union Station Facade Lighting On Lamp Poles

Most of the surrounding streetlights and globe lights are just having their light head replaced with a chip on board or COB LED light engine with the directional optics, low glare, and 3000K.

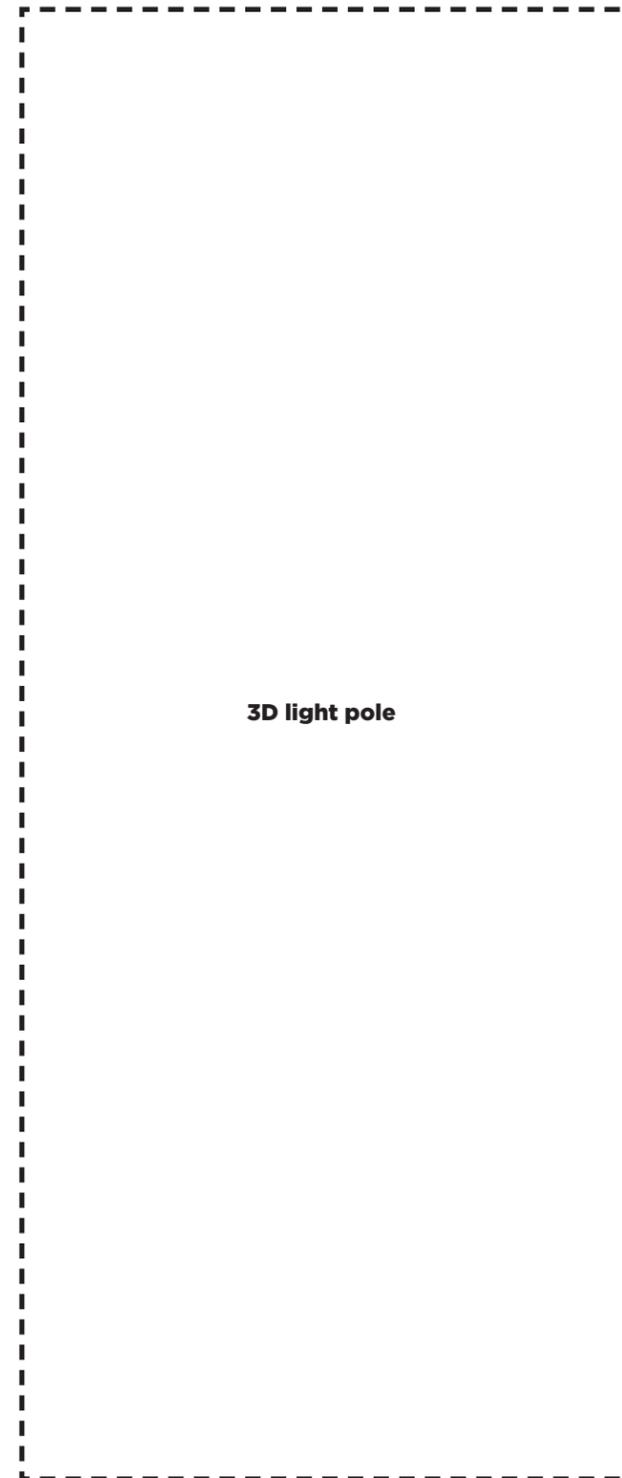
In the case of lamp posts where we need to mount facade lighting, the whole lamp post needs to be replaced so that it can be reinforced at the top where the central newel is lifted to accommodate the "mounting center hub". The lamp source would also be upgraded to LED and outfitted with the right power and optics.

**Union Station Facade Lighting On Lamp Poles**

Above is a three-dimensional view of twin 20 streetlight pole with (3) facade fixtures. The quantity of facade fixtures ranges from two to four, three being the most common.



**LP111-31**



3D light pole

**Washington Union Station**

Lighting Upgrades

January 5, 2026

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 ANTUNOVICH ASSOCIATES  
 ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
 CLAUDE R. ENGLE  
 LIGHTING CONSULTANT

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Submissions

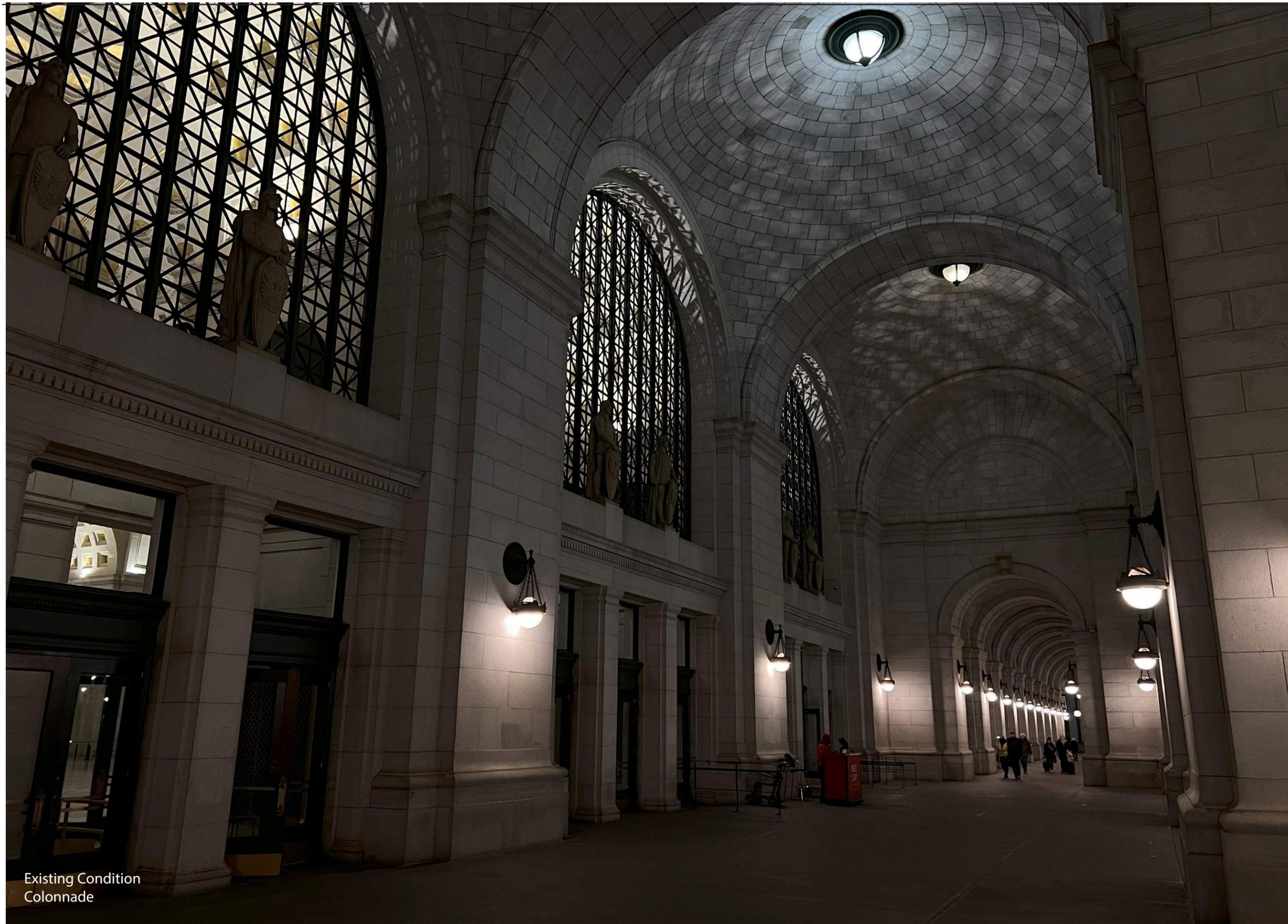
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- 9/04/2025 - CFA Submission
- 9/05/2025 - NCPC Submission
- 9/18/2025 - CFA Presentation
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Page Title

**Facade Light Pole Mounted 3D View**

Page Number

**131**



Existing Condition  
Colonnade

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



ARCHITECT



LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



MEP & FP ENGINEERS



CIVIL ENGINEER



## Submissions

9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Colonnade -  
Existing**

Page Number

**200**



Proposed Lighting Upgrades  
 Colonnade  
 Last Update - September 2025

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



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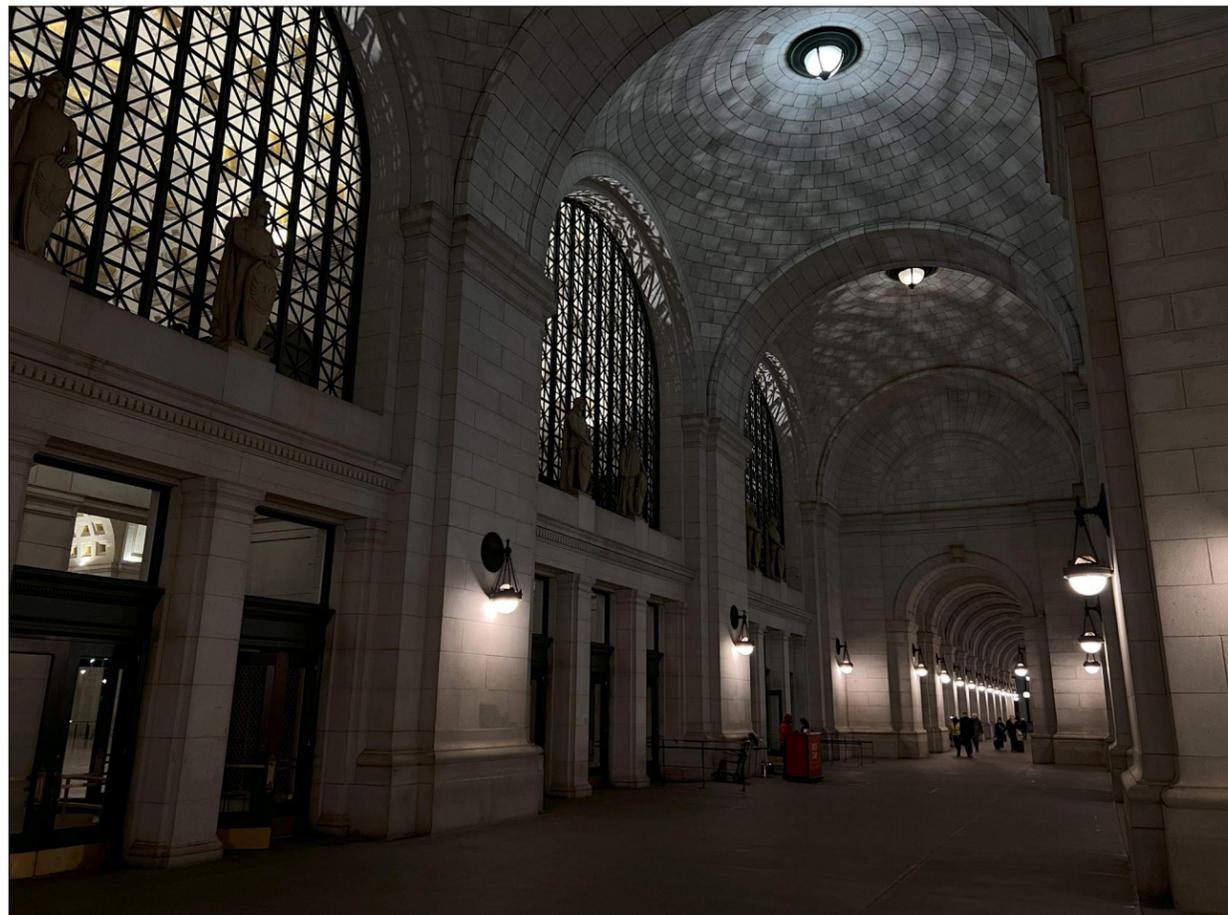
Page Title

**Colonnade -  
 Proposed  
 September 2025**

Page Number

**201**

Current Condition  
Colonnade



Existing Condition Photo

Proposed Lighting Upgrades  
Colonnade



Proposed Lighting Design

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



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9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Colonnade -  
Side3 By Side**

Page Number

**202**

# Washington Union Station

Lighting Upgrades

January 5, 2026

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ARCHITECT  
 ANTUNOVICH  
ASSOCIATES  
ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
CONSULTING ENGINEERS

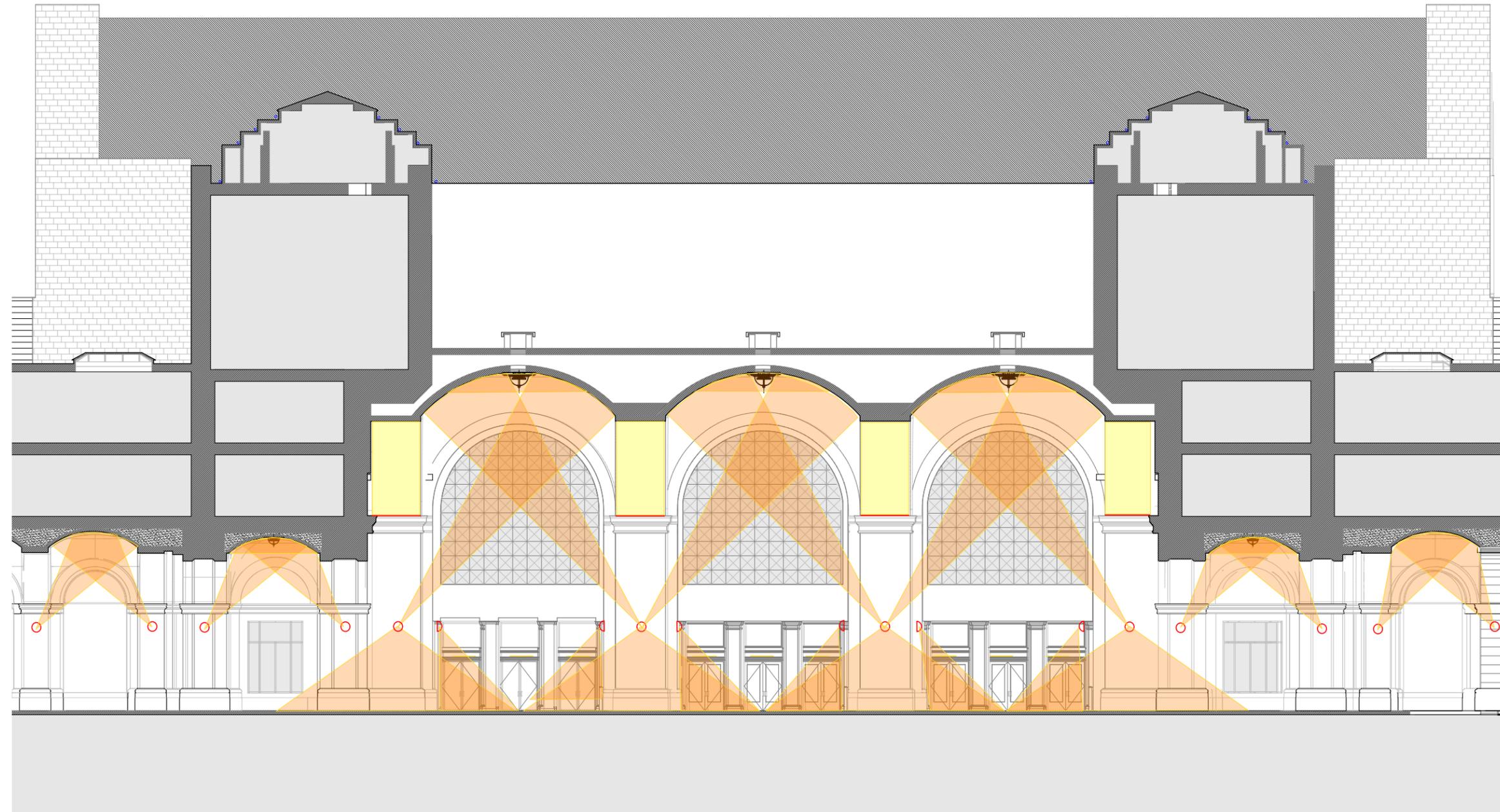
MEP & FP ENGINEERS  
 GHT

CIVIL ENGINEER  
 AMT  
LLC  
PROFESSIONAL ENGINEERS & LAND SURVEYORS

### Submissions

- 9/04/2025 - HPO Submission
- 9/04/2025 - CFA Submission
- 9/05/2025 - NCPC Submission
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- 1/5/2026 - HPO URR Submission

## Building Section - Main Entry Portico



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics.

### Legend

-  Light from new fixtures
-  Light from existing historic fixtures with new optics

Page Title

**Lighting Section -  
Main Entry Portico**

Page Number

**203**

# Washington Union Station

Lighting Upgrades

January 5, 2026

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ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
CONSULTING ENGINEERS

MEP & FP ENGINEERS  
 GHT

CIVIL ENGINEER  
 AMT LLC  
PROFESSIONAL ENGINEERS & LAND SURVEYORS

### Submissions

9/04/2025 - HPO Submission  
9/04/2025 - CFA Submission  
9/05/2025 - NCPC Submission  
9/18/2025 - CFA Presentation  
1/5/2026 - HPO URR Submission

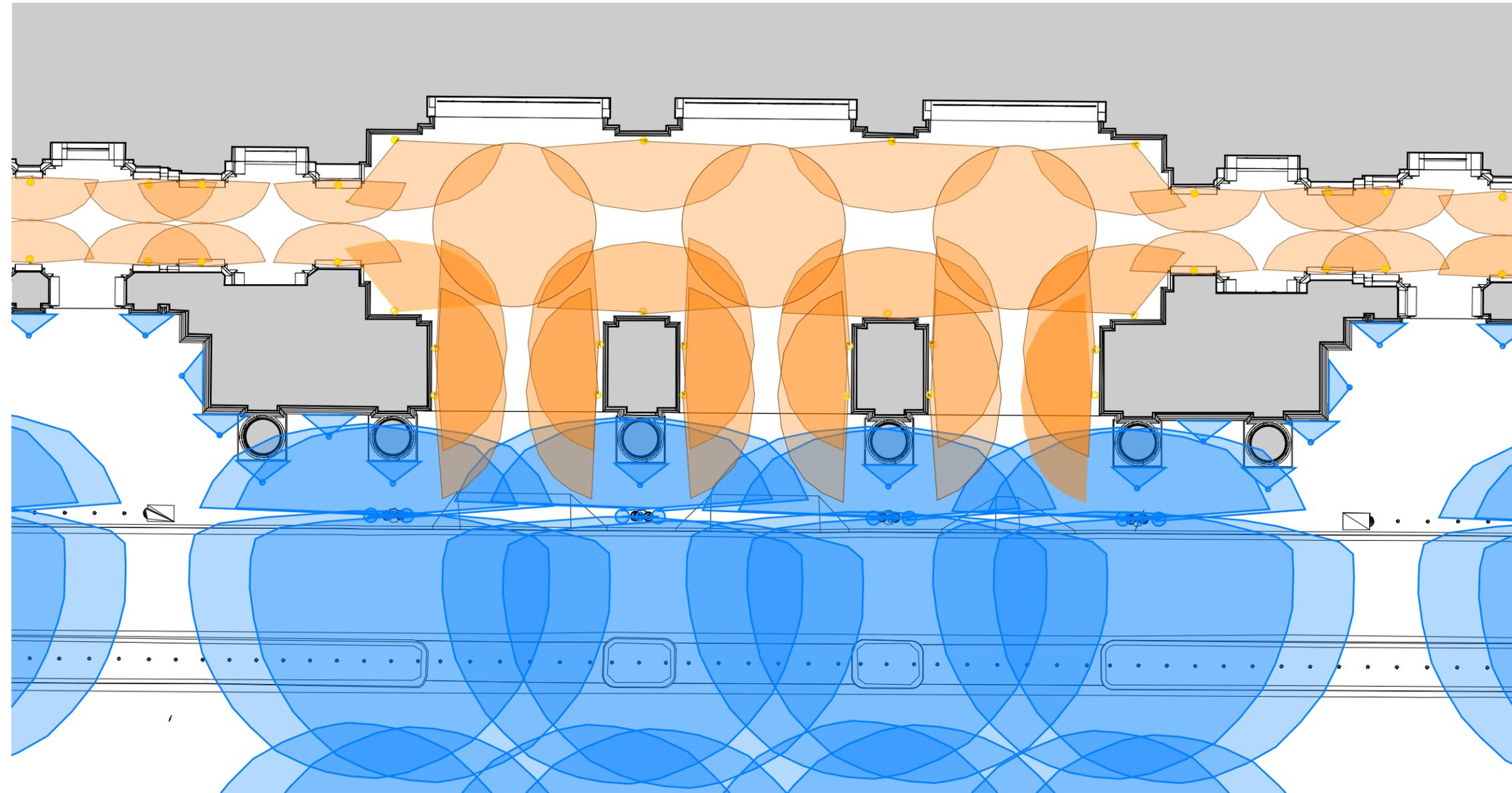
Page Title

**Lighting Plan -  
Main Entry Portico**

Page Number

**204**

## Partial Floor Plan - Main Entry Portico Lighting



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics.

### Legend

-  Light from existing lamp poles
-  Light from existing historic fixtures with new optics

# Washington Union Station

Lighting Upgrades

January 5, 2026

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 CLAUDE R. ENGLE  
 LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
 CONSULTING ENGINEERS

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 GHT

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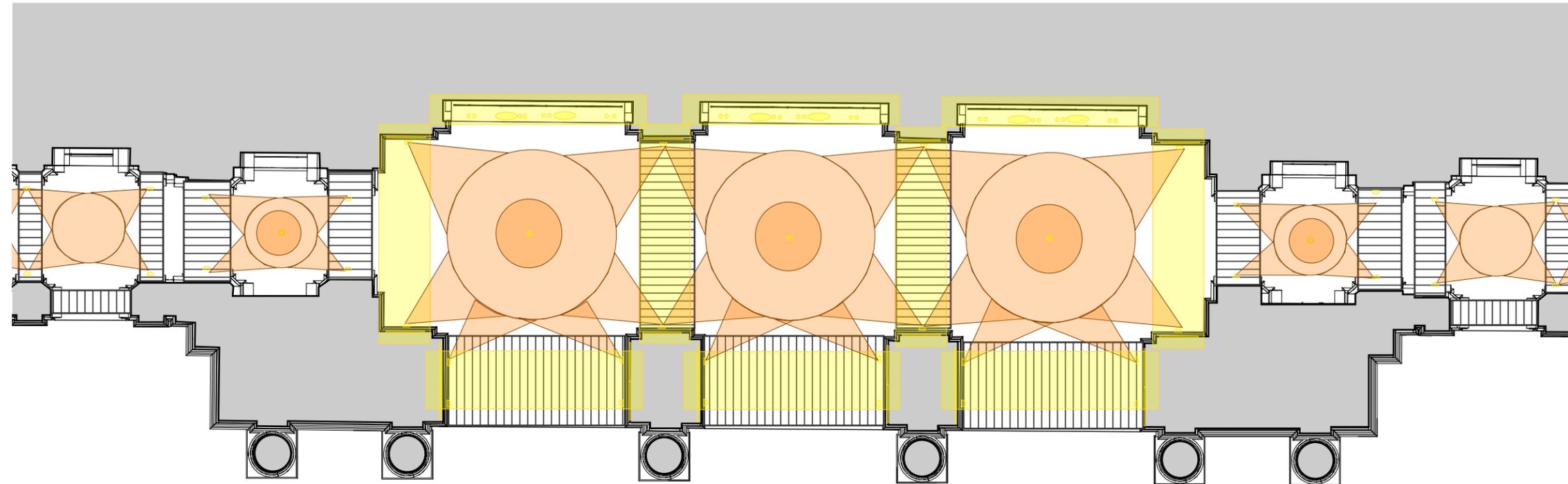
Page Title

**Lighting RCP -  
 Colonnade at Front  
 Entrance**

Page Number

**205**

Partial Reflected Ceiling Plan - Main Entry Portico Lighting



General Notes:  
 The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics.

### Legend

- Light from new fixtures
- Light from existing historic fixtures with new optics

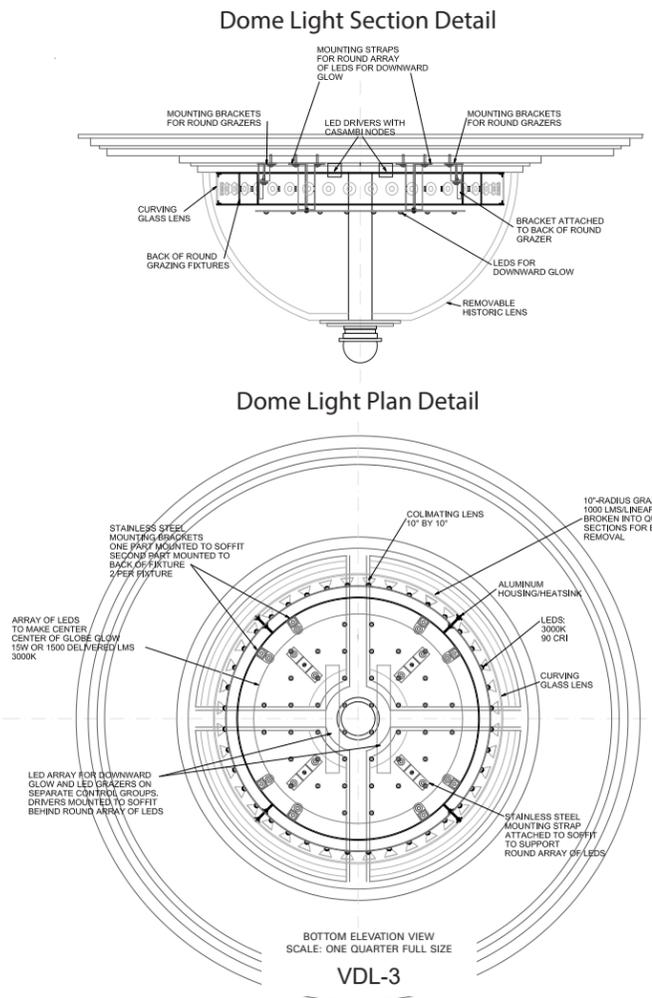
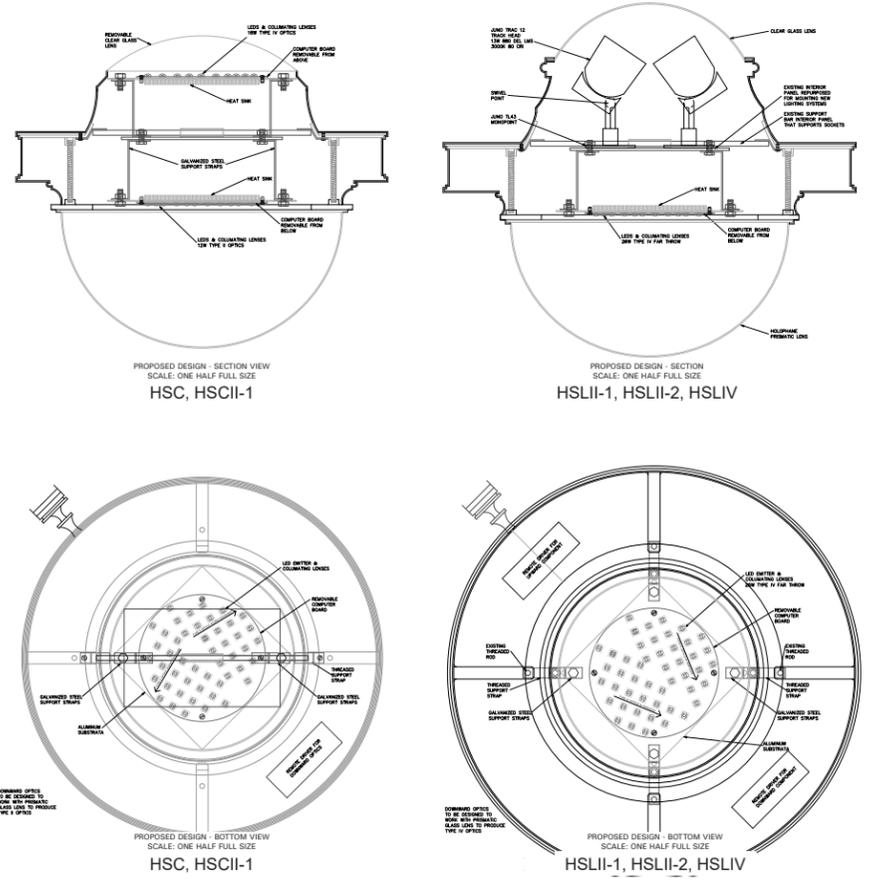
Historic Sconce



Historic Dome Light



Rostral Lamp Posts along First Street



Existing Historic Light Fixtures

There are (5) types of historic light fixtures in and around Union Station:

**Dome Lights**  
Two Sizes, Large dome lights are located within the front entry portico, small dome lights are located at the Executive Entry and Carriage porch.

**Hanging Sconces**  
Two Sizes, Large sconces are located within the front entry portico, small sconces are located throughout the remainder of the building.

**Hanging Pendants (not shown)**  
Located within the East Hall

**Globe streetlights**  
(7) along west side of station  
(11) along east side of the station

**Ceiling Fixtures (Jelly Jars) (Not Shown)**  
Single bulb fixtures within the ceilings of the vestibules and on the underside of the colonnade separating the East and West Halls from the Main Hall.

**General Note:**  
All existing historic fixtures are to remain in their current location. All exterior casing, glass, brackets, chains, eschutcheons, etc composing the exterior appearance of the fixture will be maintained. The proposed modifications will be to remove the internal optics, from a previous retrofit in the 1980's, with LED optics to provide down and up lighting. All modifications to these lights can be completed without removal of the fixture.

The historic case iron globe light poles will need to be removed to have the rust removed, any necessary repair to the case iron, and be repainted. They will all be reinstalled in their current locations.

**Washington Union Station**

Lighting Upgrades

January 5, 2026

---

OWNER  
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LIGHTING DESIGNER  
 CLAUDE R. ENGLE LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan CONSULTING ENGINEERS

MEP & FP ENGINEERS  
 GHT

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Submissions

9/04/2025 - HPO Submission
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9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

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Page Title

**Historic Light Fixtures**

---

Page Number

**206**



Existing Condition  
Carriage Porch

# Washington Union Station

Lighting Upgrades

January 5, 2026

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## Submissions

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9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Carriage Porch -  
Existing**

Page Number

**207**



Proposed Lighting Upgrades  
 Carriage Porch  
 Last Update - September 2025

# Washington Union Station

Lighting Upgrades

January 5, 2026

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## Submissions

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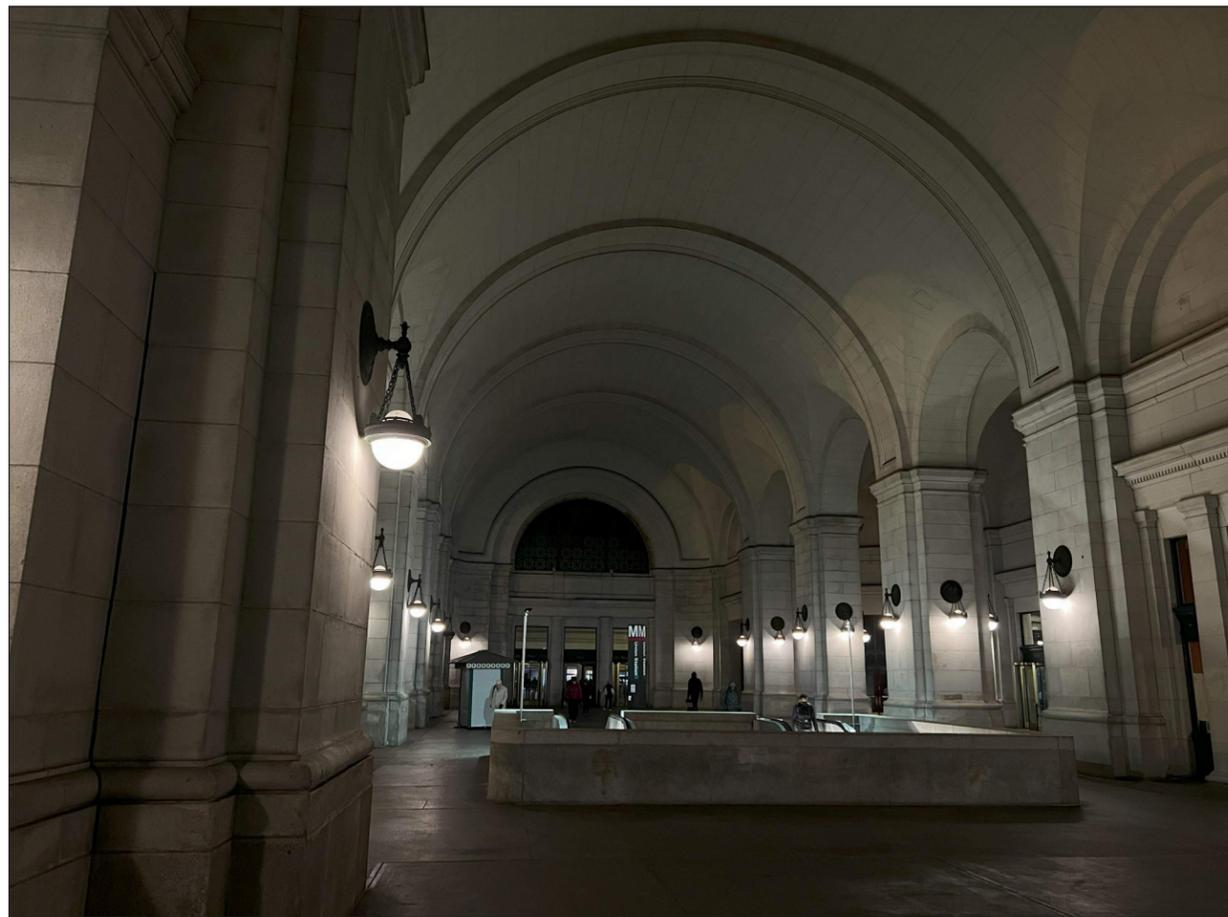
Page Title

**Carriage Porch -  
 Proposed  
 September 2025**

Page Number

**208**

Current Condition  
Carriage Porch



Existing Condition Photo

Proposed Lighting Upgrades - September 2025  
Carriage Porch



Proposed Lighting Design

# Washington Union Station

Lighting Upgrades

January 5, 2026

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9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Carriage Porch -  
Side By Side**

Page Number

**209**

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



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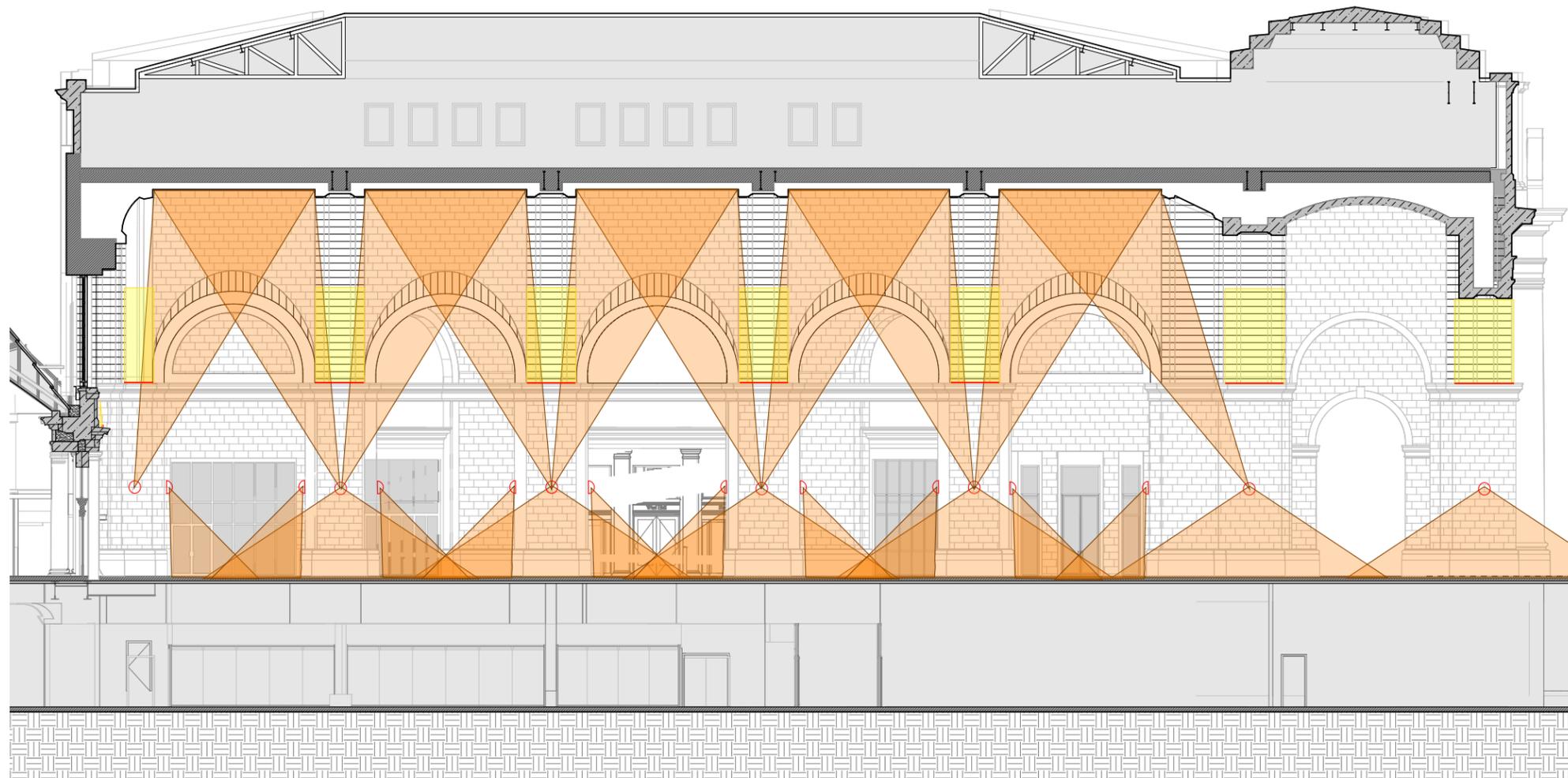
CIVIL ENGINEER



### Submissions

9/04/2025 - HPO Submission  
9/04/2025 - CFA Submission  
9/05/2025 - NCPC Submission  
9/18/2025 - CFA Presentation  
1/5/2026 - HPO URR Submission

Building Section - Carriage Porch



### General Notes:

The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics

### Legend

- Light from new fixtures
- Light from existing historic fixtures with new optics

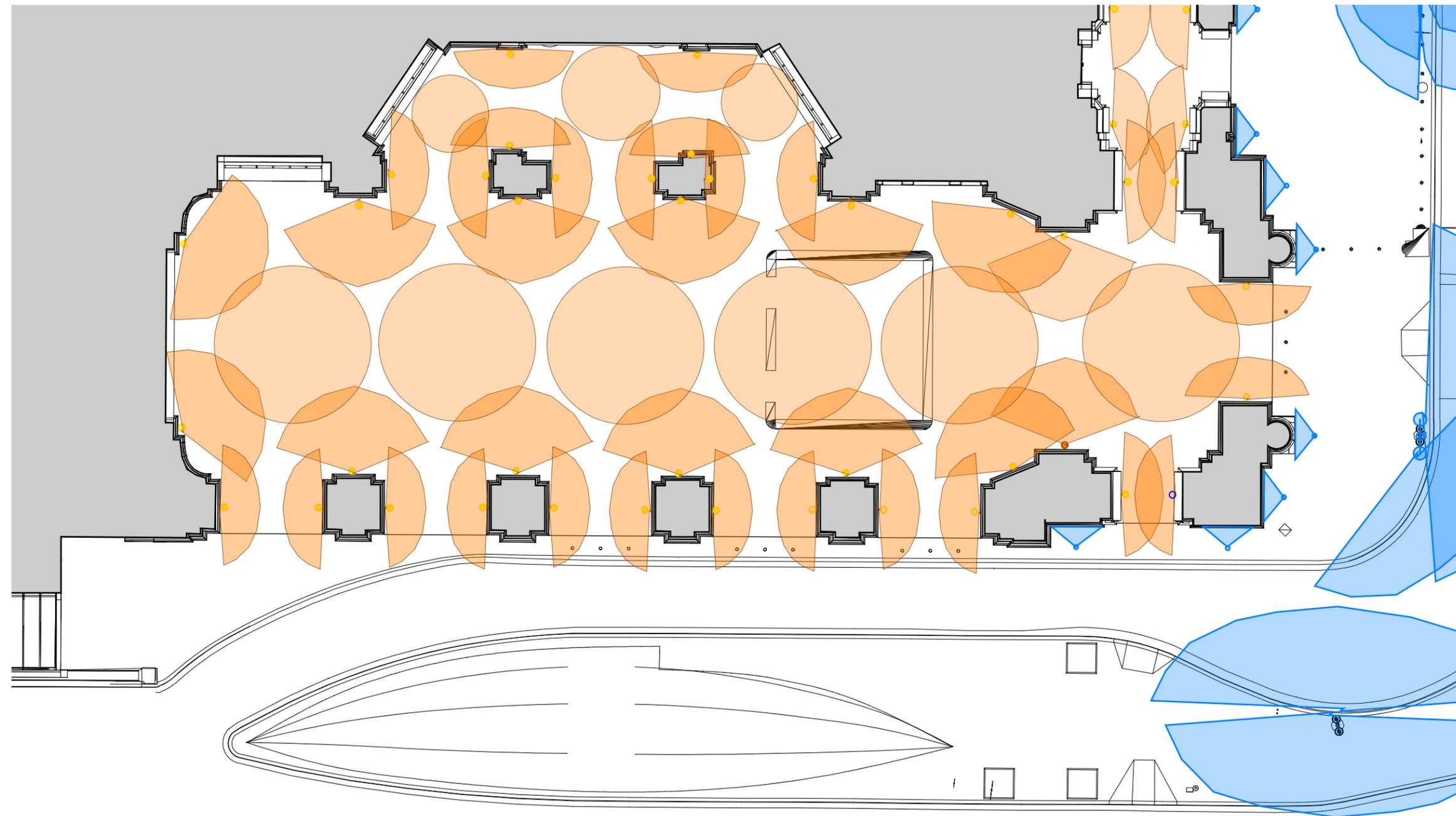
Page Title

**Lighting Section  
Carriage Porch**

Page Number

**210**

Partial Floor Plan - Carriage Porch



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics

**Legend**

- Light from existing lamp poles
- Light from existing historic fixtures with new optics

**Washington  
Union Station**

Lighting Upgrades

January 5, 2026

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ARCHITECT  
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ASSOCIATES  
ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
CONSULTING ENGINEERS

MEP & FP ENGINEERS  
 CHT

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9/04/2025 - HPO Submission
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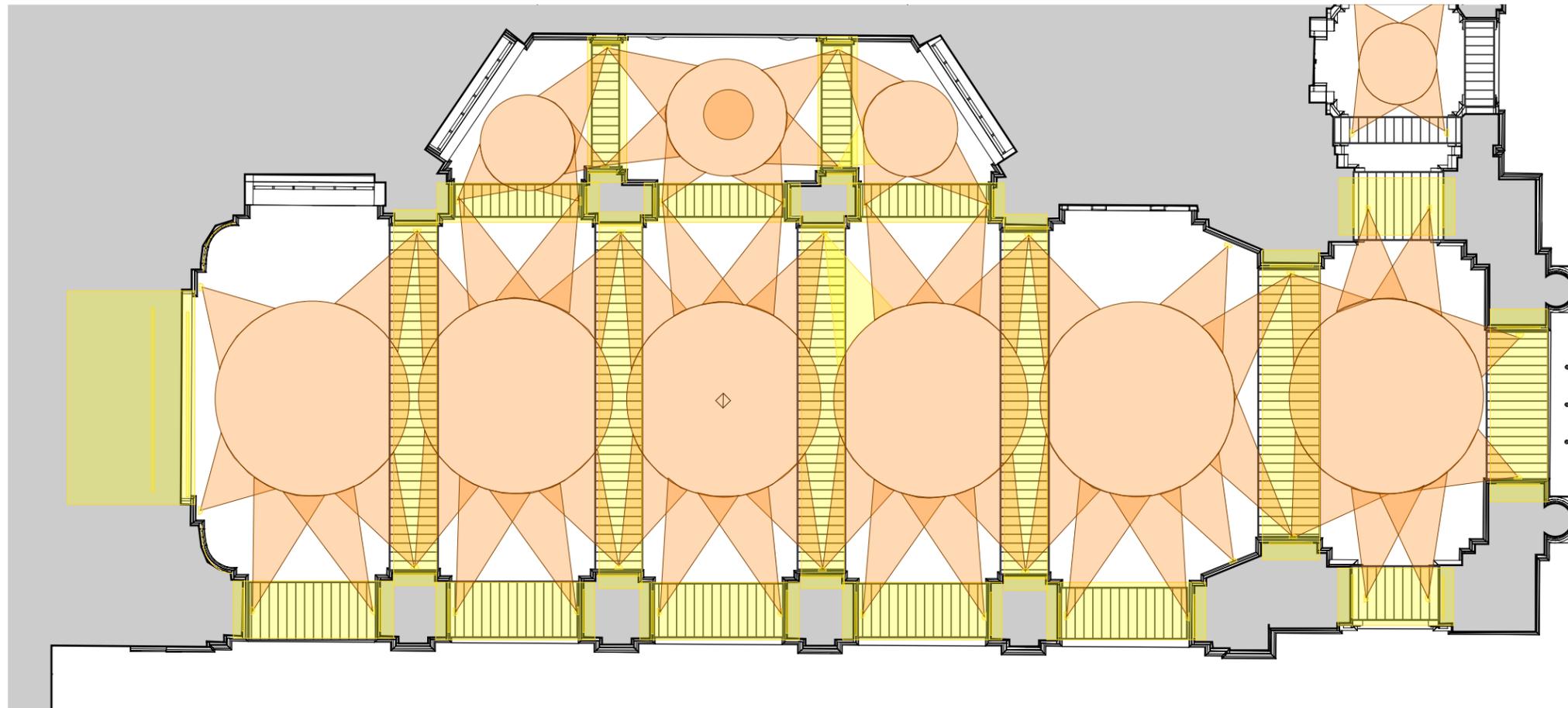
Page Title

**Lighting Plan  
Carriage Porch**

Page Number

**211**

Partial Reflected Ceiling Plan - Carriage Porch



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics

**Legend**

- Light from new fixtures
- Light from existing historic fixtures with new optics

**Washington  
Union Station**

Lighting Upgrades

January 5, 2026

OWNER  
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ARCHITECT  
 ANTUNOVICH  
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LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
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Submissions

- 9/04/2025 - HPO Submission
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- 9/18/2025 - CFA Presentation
- 1/5/2026 - HPO URR Submission

Page Title

**Carriage Porch  
Lighting RCP**

Page Number

**212**



Existing Condition  
Main Hall

# Washington Union Station

Lighting Upgrades

January 5, 2026

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STRUCTURAL ENGINEER



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## Submissions

9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Main Hall -  
Existing**

Page Number

**300**



Proposed Lighting Upgrades  
Main Hall  
Last Update - April 2025

# Washington Union Station

Lighting Upgrades

January 5, 2026

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- 9/04/2025 - HPO Submission
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- 9/05/2025 - NCPC Submission
- 9/18/2025 - CFA Presentation
- 1/5/2026 - HPO URR Submission

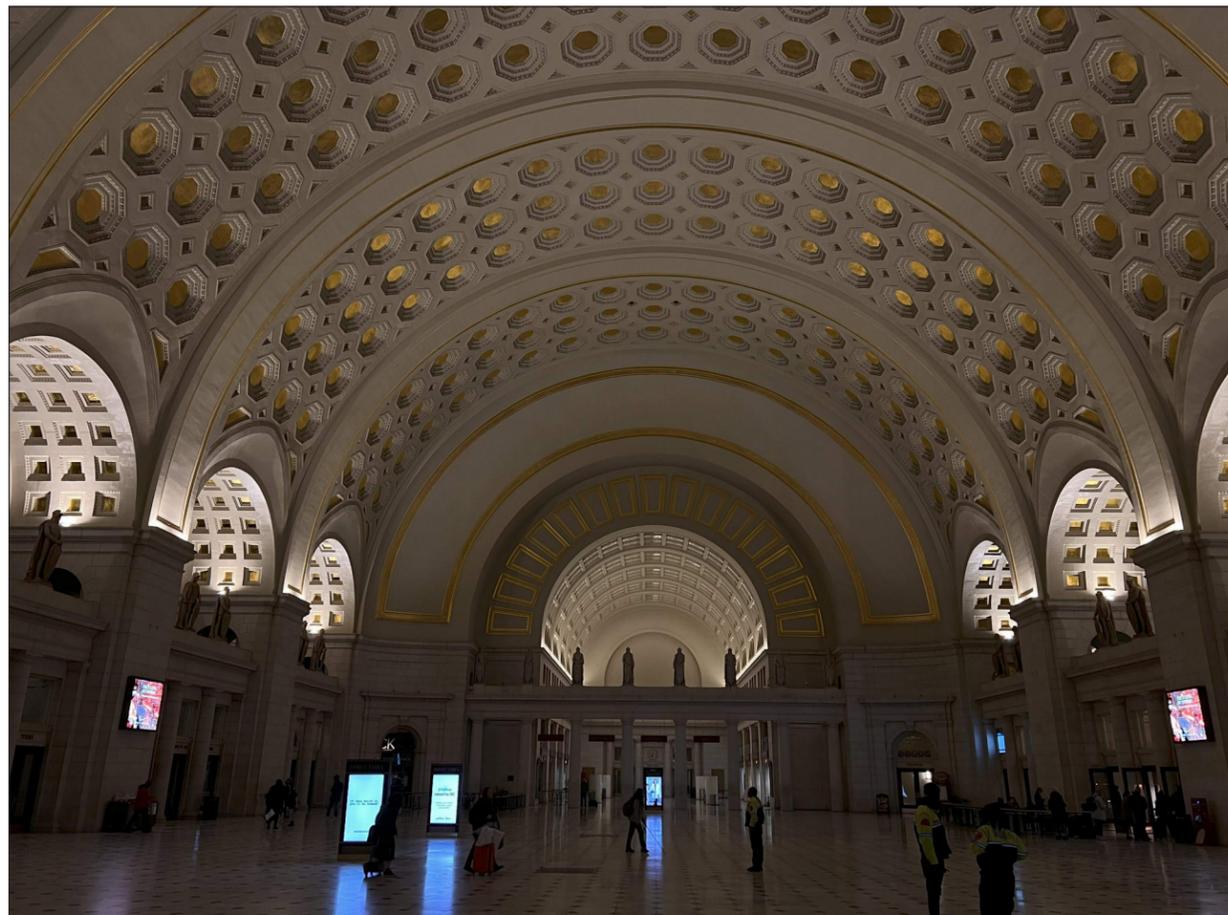
Page Title

**Main Hall -  
Proposed  
April 2025**

Page Number

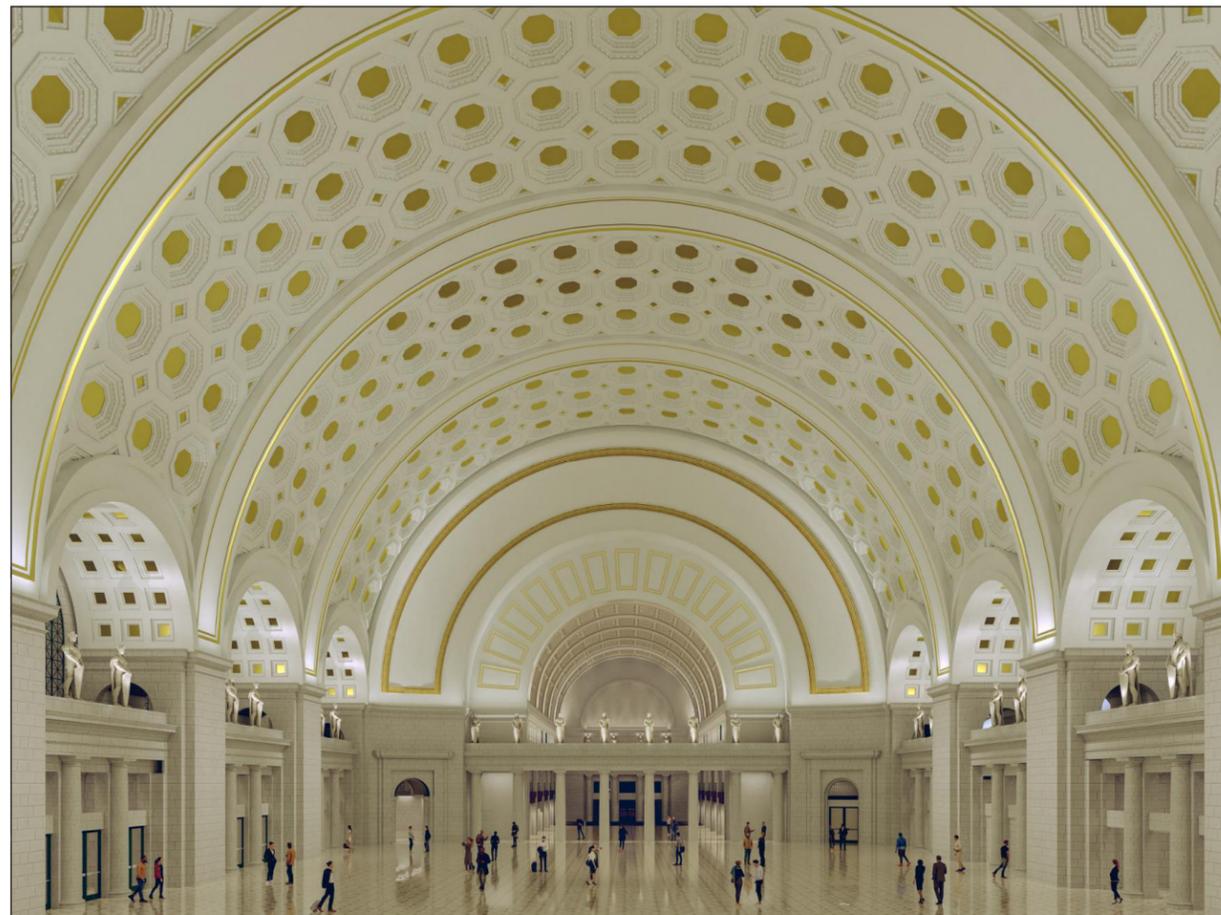
**301**

Current Condition  
Main Hall



Existing Condition Photo

Proposed Lighting Upgrades  
Main Hall



Proposed Lighting Design

# Washington Union Station

Lighting Upgrades

January 5, 2026

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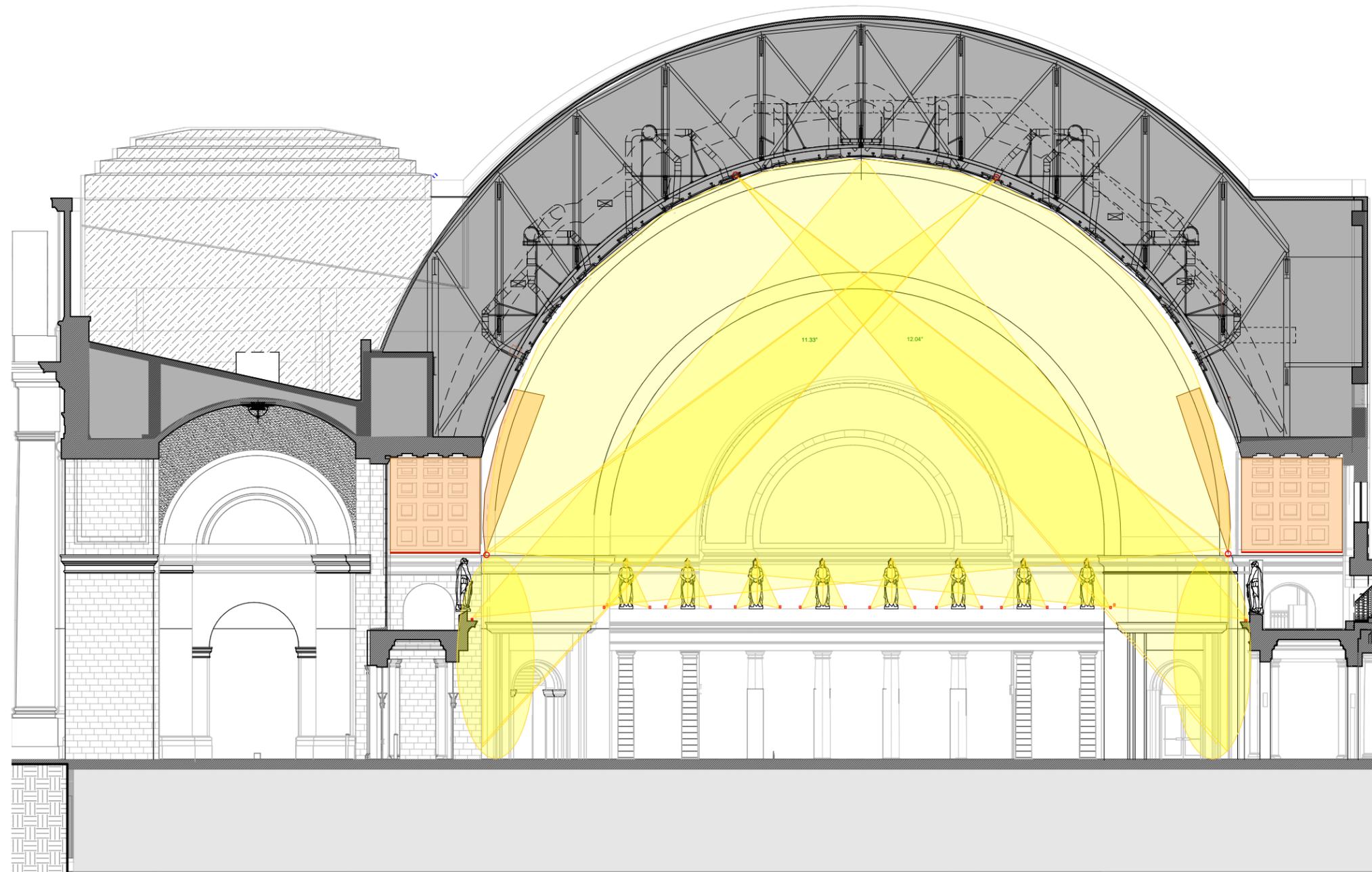
Page Title

**Main Hall -  
Side By Side**

Page Number

**302**

Building Section - Main Hall



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics

**Legend**

- Light from new fixtures
- Light from new fixtures replacing existing modern fixtures in-situ

**Washington  
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Lighting Upgrades

January 5, 2026

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ASSOCIATES  
ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
CONSULTING ENGINEERS

MEP & FP ENGINEERS  
 GHT

CIVIL ENGINEER  
 AMT LLC  
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Submissions
9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Lighting Section -  
Main Hall**

Page Number

**303**



Existing Condition  
West Hall

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



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LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



MEP & FP ENGINEERS



CIVIL ENGINEER



## Submissions

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 9/04/2025 - CFA Submission  
 9/05/2025 - NCPC Submission  
 9/18/2025 - CFA Presentation  
 1/5/2026 - HPO URR Submission

Page Title

**West Hall -  
Existing**

Page Number

**400**



Proposed Lighting Upgrades  
West Hall  
Last Update - April 2025

# Washington Union Station

Lighting Upgrades

January 5, 2026

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- 9/18/2025 - CFA Presentation
- 1/5/2026 - HPO URR Submission

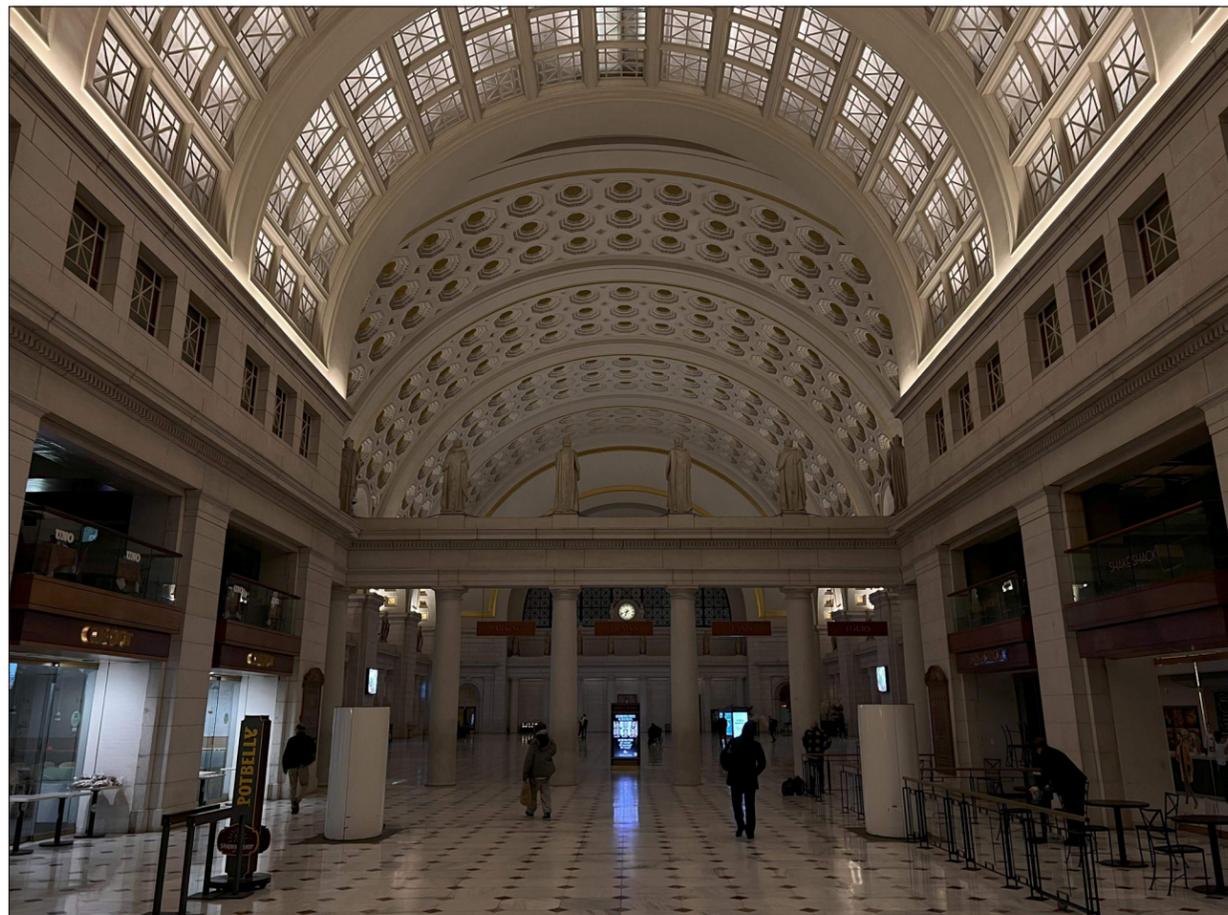
Page Title

**West Hall -  
Proposed  
April 2025**

Page Number

**401**

Current Condition  
West Hall



Existing Condition Photo

Proposed Lighting Upgrades  
West Hall



Proposed Lighting Design

# Washington Union Station

Lighting Upgrades

January 5, 2026

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LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



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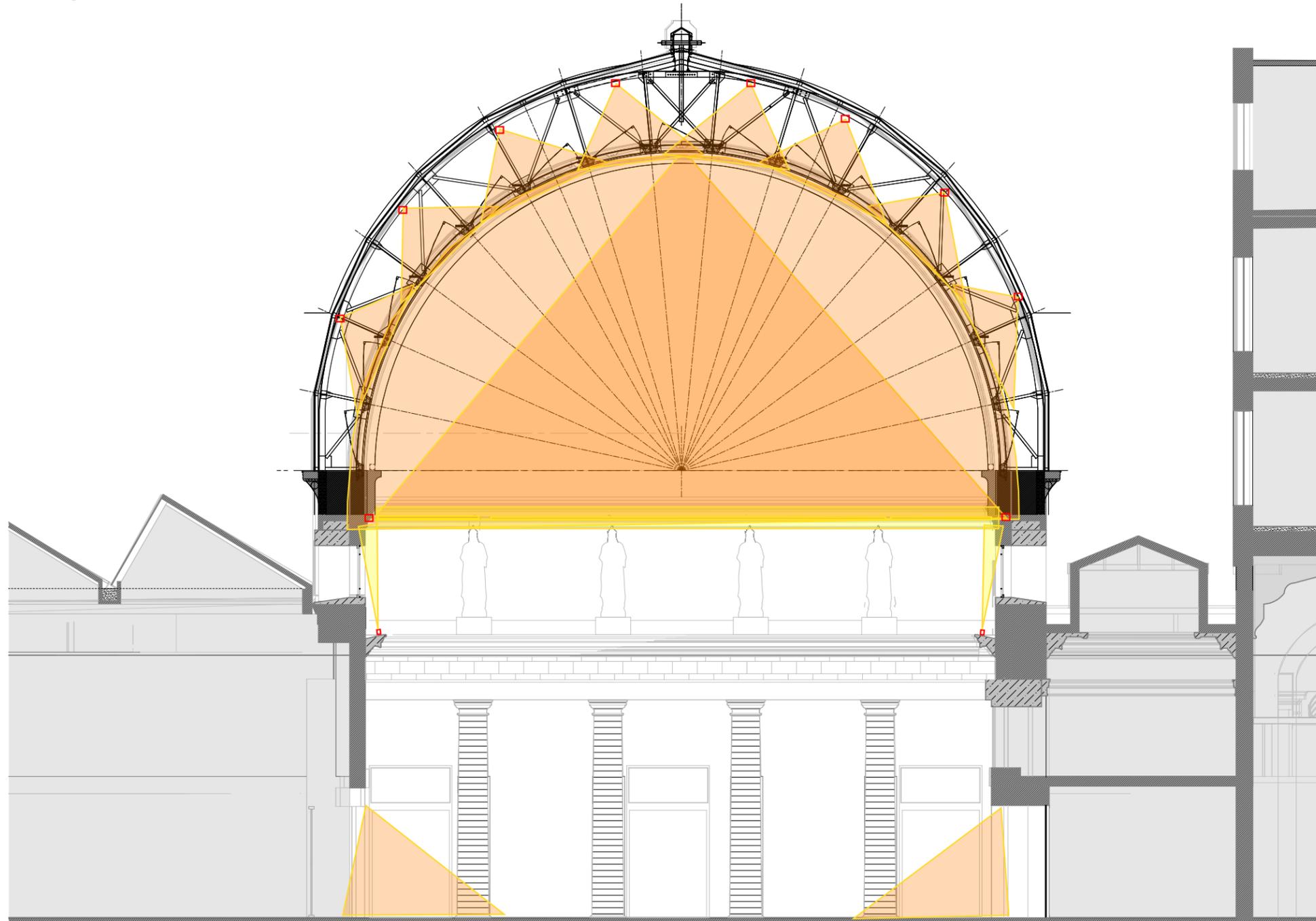
Page Title

**West Hall -  
Side By Side**

Page Number

**402**

Building Section - West Hall



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics

**Legend**

- Light from new fixtures
- Light from new fixtures replacing existing modern fixtures in-situ

**Washington  
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Lighting Upgrades

January 5, 2026

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Submissions

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- 9/05/2025 - NCPC Submission
- 9/18/2025 - CFA Presentation
- 1/5/2026 - HPO URR Submission

Page Title

**Lighting Section -  
West Hall**

Page Number

**403**



Existing Condition  
East Hall

# Washington Union Station

Lighting Upgrades

January 5, 2026

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STRUCTURAL ENGINEER



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## Submissions

9/04/2025 - HPO Submission  
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 9/05/2025 - NCPC Submission  
 9/18/2025 - CFA Presentation  
 1/5/2026 - HPO URR Submission

Page Title

**East Hall -  
Existing**

Page Number

**500**



Proposed Lighting Upgrades  
 East Hall  
 Last Update - April 2025

# Washington Union Station

Lighting Upgrades

January 5, 2026

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ARCHITECT  
 ANTUNOVICH  
 ASSOCIATES  
 ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
 CLAUDE R. ENGLE  
 LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
 CONSULTING ENGINEERS

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 AMT LLC  
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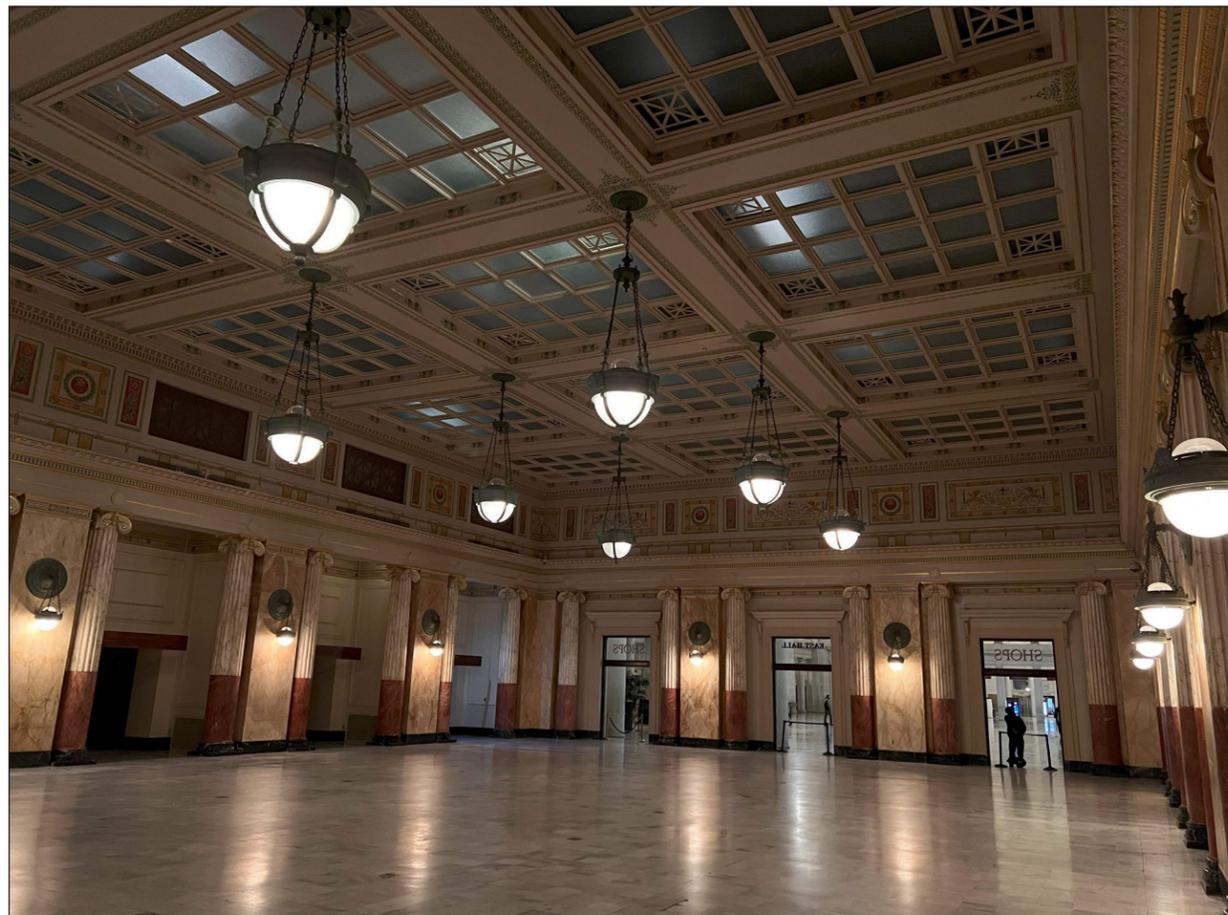
Page Title

**East Hall -  
 Proposed  
 April 2025**

Page Number

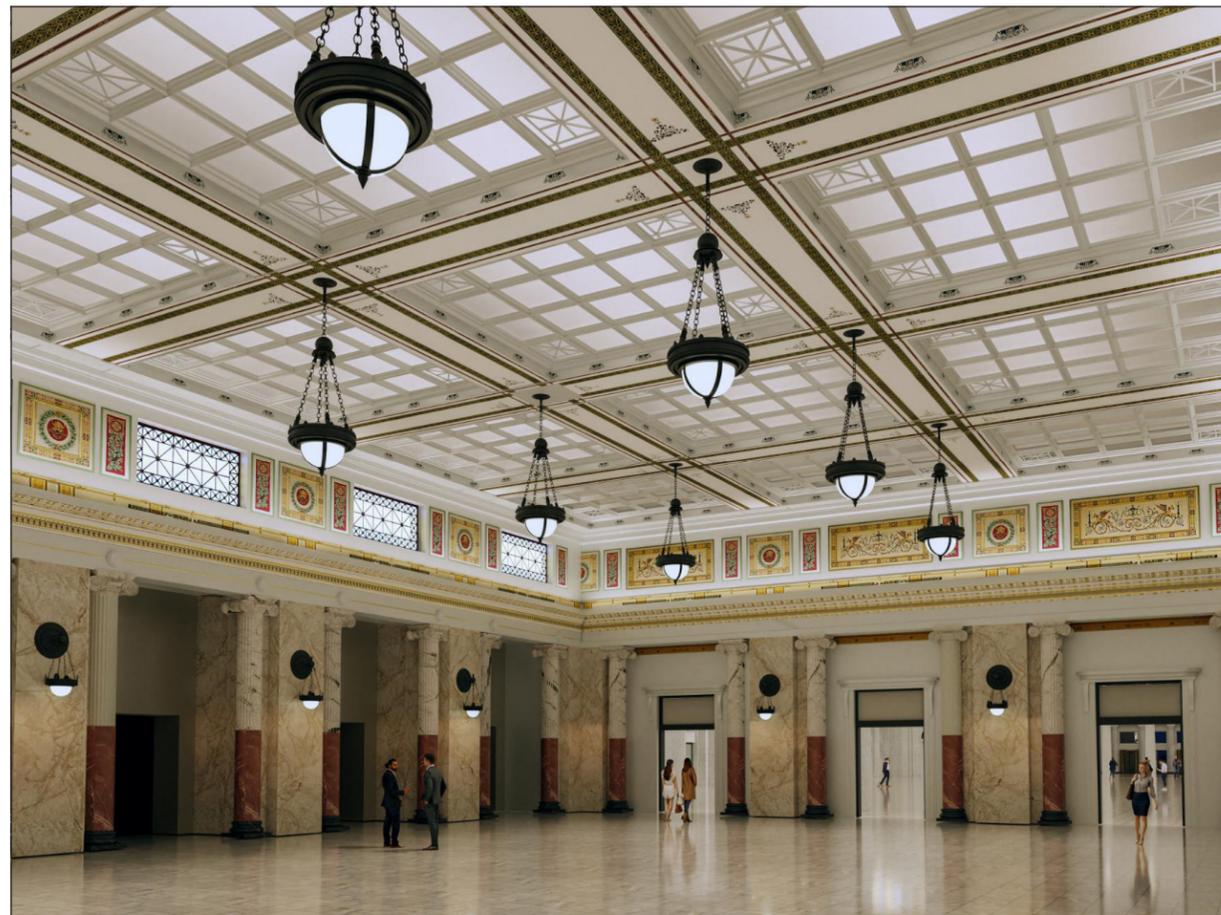
**501**

Current Condition  
East Hall



Existing Condition Photo

Proposed Lighting Upgrades  
East Hall



Proposed Lighting Design

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



ARCHITECT



LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



MEP & FP ENGINEERS



CIVIL ENGINEER



### Submissions

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9/18/2025 - CFA Presentation
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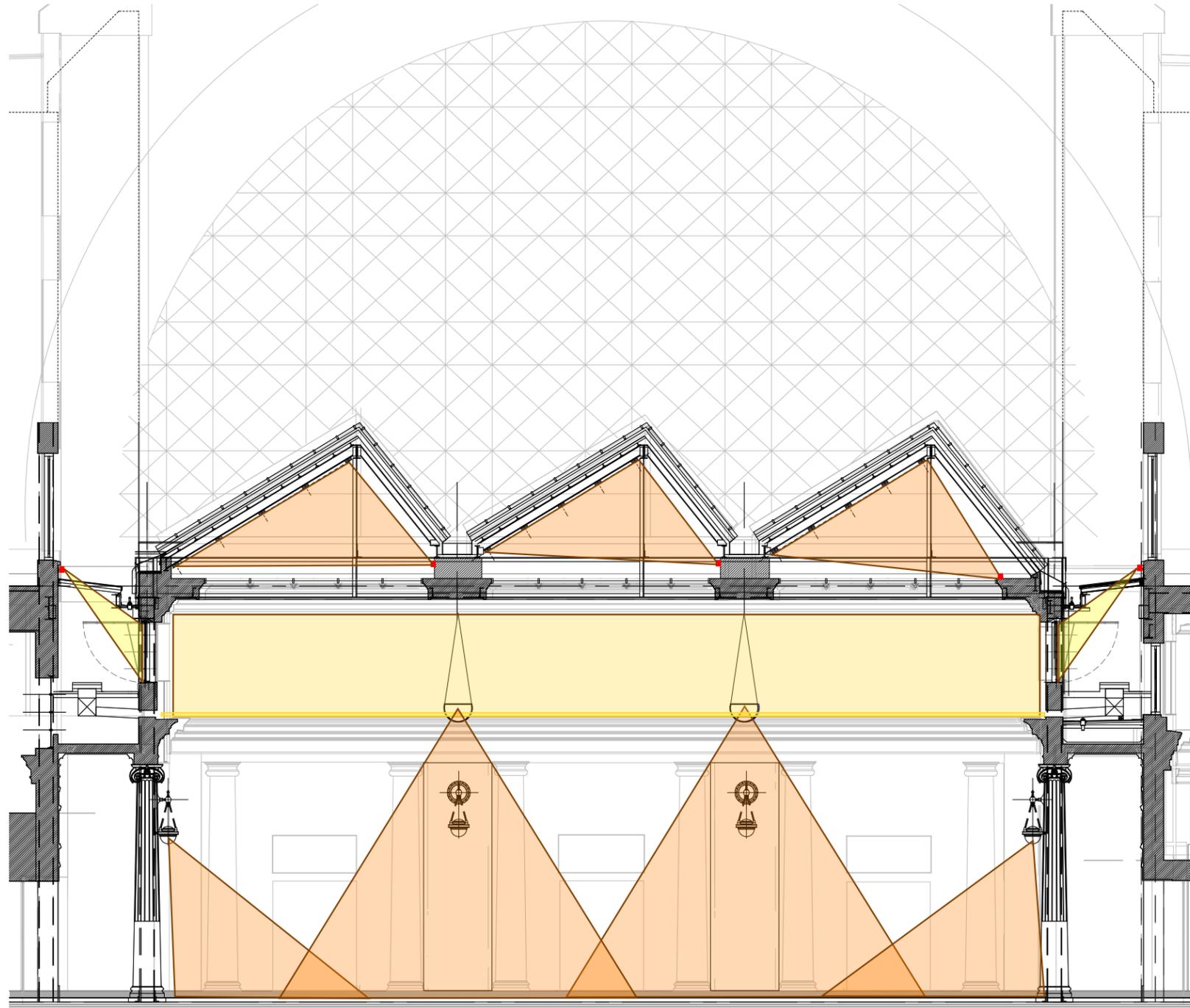
Page Title

**East Hall -  
Side by Side**

Page Number

**502**

Building Section - East Hall



General Notes:  
The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics

**Legend**

- Light from new fixtures
- Light from new fixtures replacing existing modern fixtures in-situ **or** Light from existing historic fixtures with new optics

**Washington  
Union Station**

Lighting Upgrades

January 5, 2026

OWNER  
 Union Station  
REDEVELOPMENT CORPORATION

ARCHITECT  
 ANTUNOVICH  
ASSOCIATES  
ARCHITECTURE PLANNING INTERIOR DESIGN

LIGHTING DESIGNER  
CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER  
 mcmullan  
CONSULTING ENGINEERS

MEP & FP ENGINEERS  
 GHT

CIVIL ENGINEER  
 AMT LLC  
PROFESSIONAL ENGINEERS & LAND SURVEYORS

Submissions
9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Lighting Section -  
East Hall**

Page Number

**503**



Existing Condition  
Retail Concourse

# Washington Union Station

Lighting Upgrades

January 5, 2026

OWNER



ARCHITECT



LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



MEP & FP ENGINEERS



CIVIL ENGINEER



## Submissions

- 9/04/2025 - HPO Submission
- 9/04/2025 - CFA Submission
- 9/05/2025 - NCPC Submission
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- 1/5/2026 - HPO URR Submission

Page Title

**Retail Concourse -  
Existing**

Page Number

**600**



Proposed Lighting Upgrades  
Retail Concourse  
Last Update - April 2025

# Washington Union Station

Lighting Upgrades

January 5, 2026

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LIGHTING DESIGNER

CLAUDE R. ENGLE  
LIGHTING CONSULTANT

STRUCTURAL ENGINEER



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## Submissions

9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

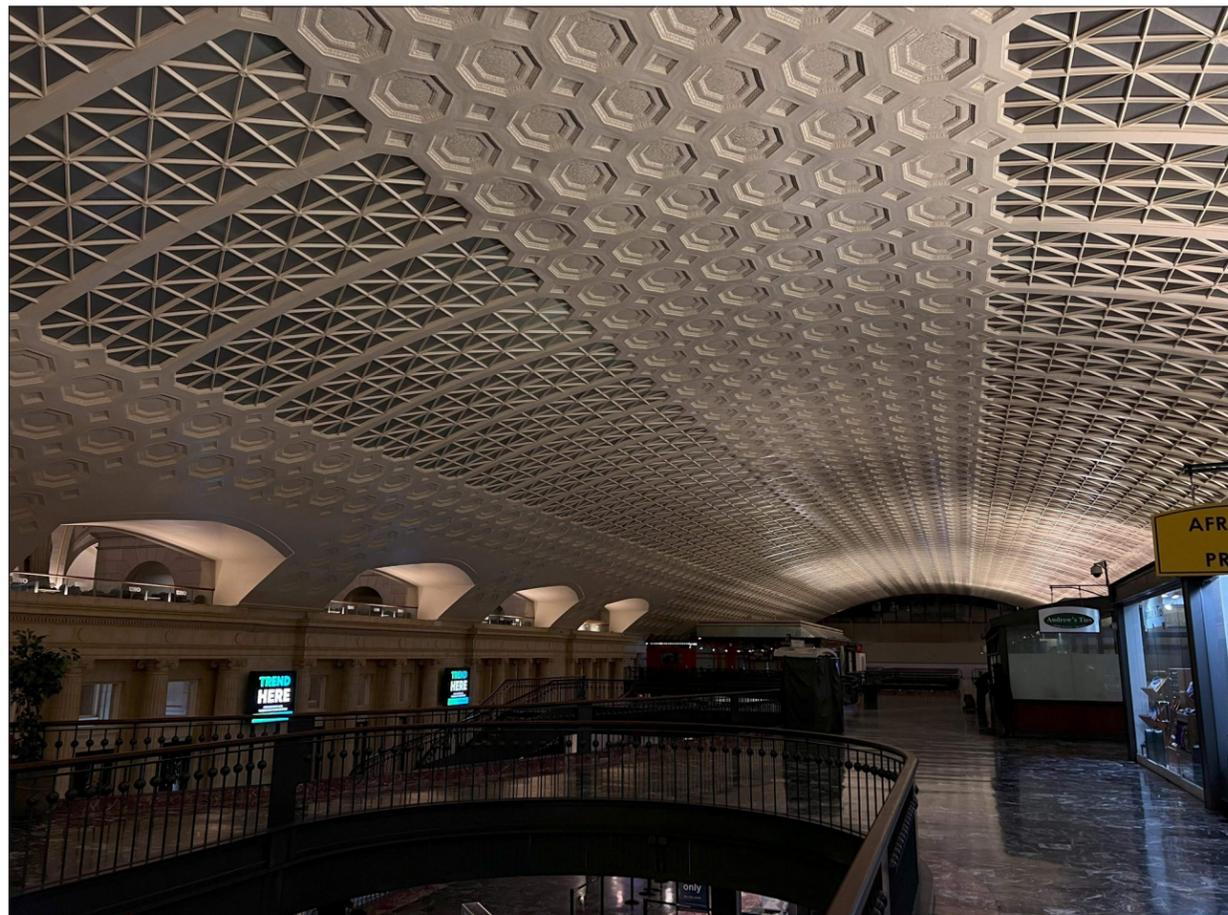
Page Title

**Retail Concourse -  
Proposed  
April 2025**

Page Number

**601**

Current Condition  
Retail Concourse



Existing Condition Photo

Proposed Lighting Upgrades  
Retail Concourse



Proposed Lighting Design

# Washington Union Station

Lighting Upgrades

January 5, 2026

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### Submissions

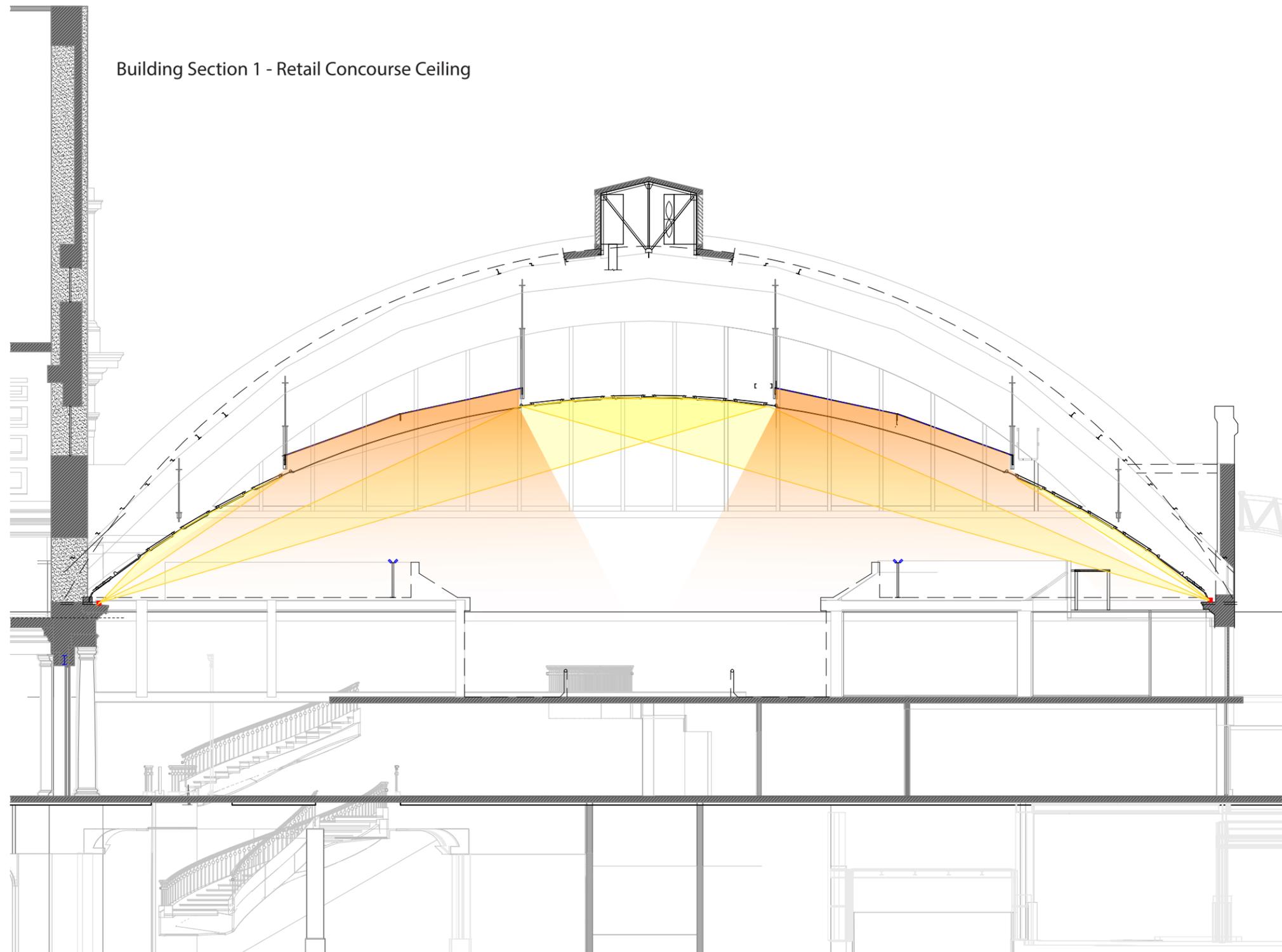
9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

Page Title

**Retail Concourse -  
Side By Side**

Page Number

**602**



Building Section 1 - Retail Concourse Ceiling

**General Notes:**

The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics.

Lighting illustrated in this section is all locations where the original cornice at the spring point of the barrel vault is exposed.

**Legend**

- Light from new fixtures
- Light from new fixtures replacing existing modern fixtures in-situ

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**Submissions**

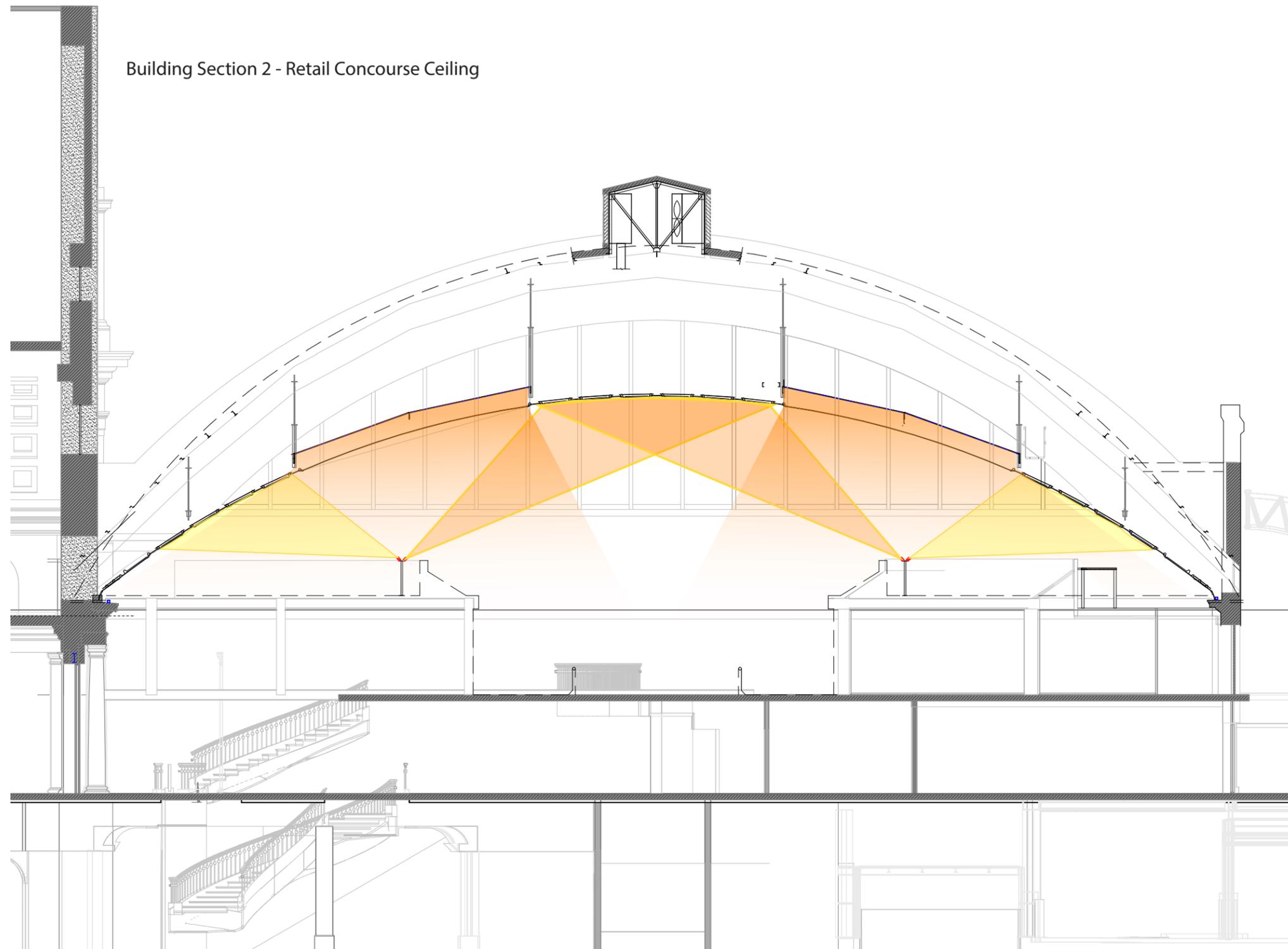
- 9/04/2025 - HPO Submission
- 9/04/2025 - CFA Submission
- 9/05/2025 - NCPC Submission
- 9/18/2025 - CFA Presentation
- 1/5/2026 - HPO URR Submission

Page Title

**Lighting Section -  
Retail Concourse  
Condition 1**

Page Number

**603**



Building Section 2 - Retail Concourse Ceiling

**General Notes:**

The lighting spread illustrated on the drawings represents the angle of the light and the aimed direction from the proposed optics.

Lighting illustrated in this section is all locations where the 2nd level retail obscures the original cornice and spring point of the barrel vault.

**Legend**

- Light from new fixtures
- Light from new fixtures replacing existing modern fixtures in-situ

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Union Station**

Lighting Upgrades

January 5, 2026

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LIGHTING DESIGNER

CLAUDE R. ENGLE  
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**Submissions**

- 9/04/2025 - HPO Submission
- 9/04/2025 - CFA Submission
- 9/05/2025 - NCPC Submission
- 9/18/2025 - CFA Presentation
- 1/5/2026 - HPO URR Submission

Page Title

**Lighting Section -  
Retail Concourse  
Condition 2**

Page Number

**604**



Thank You

# Washington Union Station

Lighting Upgrades

January 5, 2026

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### Submissions

9/04/2025 - HPO Submission
9/04/2025 - CFA Submission
9/05/2025 - NCPC Submission
9/18/2025 - CFA Presentation
1/5/2026 - HPO URR Submission

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