

U.S. COMMISSION OF FINE ARTS PRESENTATION | APRIL 18, 2019

World War One Memorial

Response to Walkway, Lighting, & Sculpture Fountain Comments



Sculptor
SABIN HOWARD

ARCHITECTS



Land

DAVID RUBIN

Collective

FMS

WHERE WE ARE IN THE PROCESS & WHAT WE HAVE HEARD

JULY 2018	OCTOBER 2018	NOVEMBER 2018	FEBRUARY 2019
REVISED CONCEPT	SCULPTURE DETAILING, INTERPRETIVE STRATEGY, PLANTING	POOL/WALKWAY, SITE ACCESSIBILITY, SCULPTURE REFINEMENTS	LIGHTING, FURNISHINGS AND MATERIALITY
APPROVAL OF FREESTANDING SCULPTURE FOUNTAIN AND U-SHAPED WALKWAY CONCEPT	GUIDANCE AND DIRECTIVES	APPROVAL WITH DIRECTIVES	GUIDANCE AND DIRECTIVES
CLUSTER TOPICS REQUESTED TO SIMPLIFY REVIEW PROCESS	<ul style="list-style-type: none">• Preference for the cantilevered sculpture fountain paired with the monolithic stone for the west cascade• Supported the general interpretive strategy but requested simplification• Supported the planting strategy	<ul style="list-style-type: none">• Endorsement of Island Walkway configuration with further study of the materials and scale of the scrim• Praised refinements to reduce the length and enhance the historical accuracy, requested that the proposed revised maquette (anticipated April 2019) include the surrounding stone wall and adjacent water elements• Endorsement of the proposed accessibility improvements	<ul style="list-style-type: none">• Requested clarity in the proposed lighting strategy to define features & frame spaces while also balancing technical requirements for safety and access• Requested technical information for illumination levels, color temperature and effect on surrounding buildings• Support for the low entry signage integral to the existing curbs• Suggested a single finish for the support of the sculpture rather than multiple to further impart the sense of the sculpture being firmly seated within the monolithic stone wall• Supported the use of the dark stone for the walkway and bridge• Advised that shifting the bridge southward would reinforce the aesthetic of the existing landscape, improve circulation, and strengthen the visual connection to the sculpture wall from the Pershing Memorial
<ul style="list-style-type: none">• Refinement of Detailing of the pool and sculpture• Inscriptions and interpretive elements• Selection of stone and other materials• Landscape plans and specifications• Systems of signage and lighting			

PRESENTATION CONTENT

SUMMARY OF PREVIOUS / UPCOMING PRESENTATIONS

- Memorial Vision: Primary and Supporting Commemorative Elements (October 2018)
- Pool & Walkway + Access Improvements + Sculpture Refinements (November 2018)
- Concept Lighting, Furnishing and Finishes (February 2019)
- **Response to Walkway, Lighting, & Sculpture Fountain Comments (April 2019)**
- Interpretation & Detailing (May 2019 tentative)

CFA MEETING OBJECTIVES (4/18/2019)

Approval of adjusted walkway configuration

Approval of proposed lighting strategy

Approval of sculpture fountain detailing refinements and composition

Direction and approval of Sculpture Fountain figure heights

PRESENTATION OUTLINE

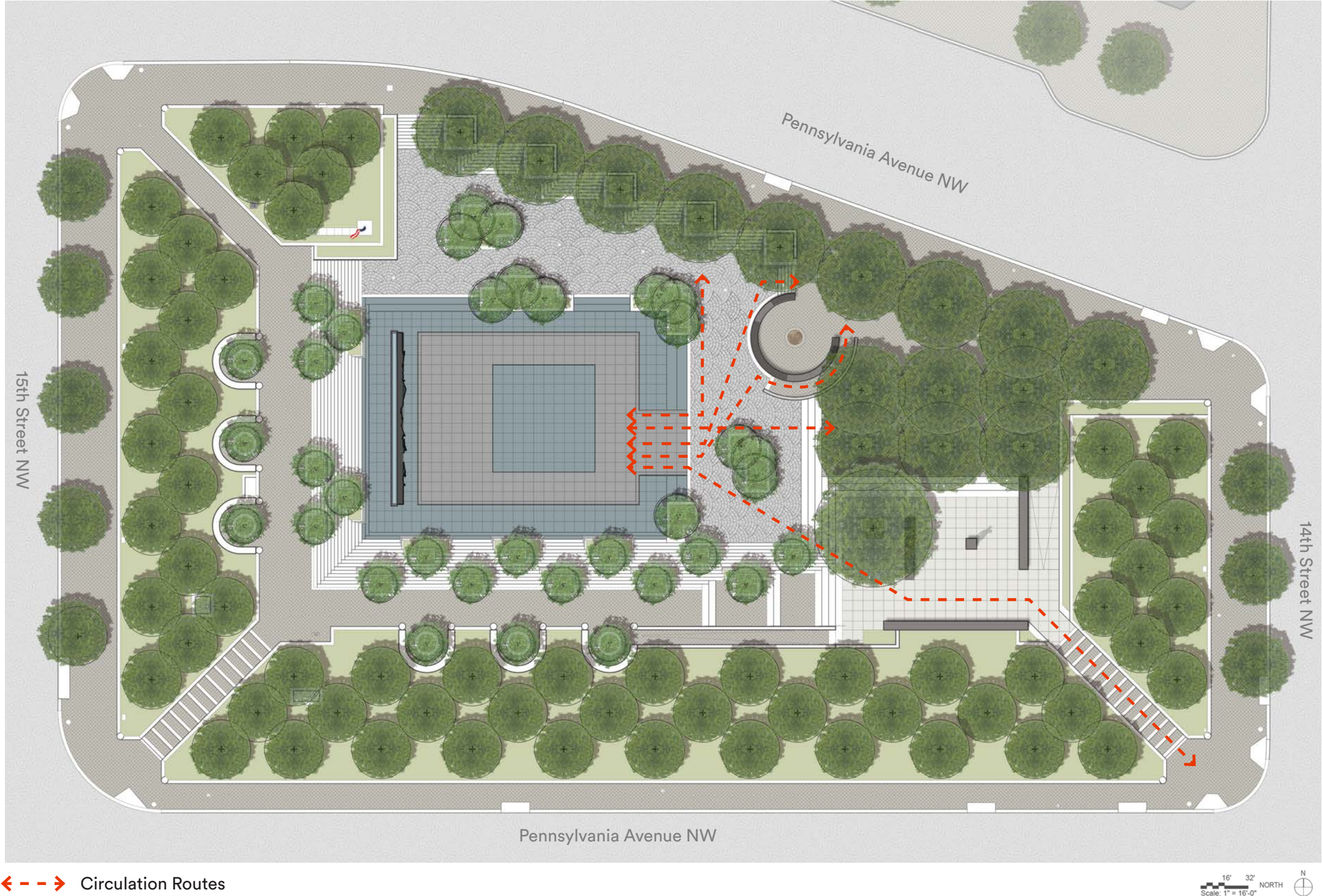
- Walkway
 - Proposed Bridge Strategy
 - Circulation Sequence
- Lighting
 - Existing Conditions
 - Overall Concept (lighting for framing, features, and safety / access)
 - Scale and integration (site sections)
 - Results of Mock Up
 - Feasibility of multi-globe fixture re-use
 - Technical Information (heat maps & color temperature)
 - Visualization (VIDEO)
- Sculpture Fountain
 - October 2018 CFA
 - Detailing
 - Revised Maquette (3D Print with Base and Context)
 - Figure Height

WALKWAY

WALKWAY: PROPOSED STRATEGY

BRIDGE SHIFTED SOUTH

- The visitor will be directed more readily to the left of the sculpture; the beginning of the story
- The shift improves the connection between the Pershing Statue and the Memorial Sculpture both visually and physically
- The shift improves circulation from the belvedere by providing more space between the ramp and the walkway
- Asymmetrical bridge fits within the asymmetry of the existing park



WALKWAY: CIRCULATION SEQUENCE

BRIDGE SHIFTED SOUTH - PERSHING



WALKWAY: CIRCULATION SEQUENCE
BRIDGE SHIFTED SOUTH - SOUTH BELVEDERE



WALKWAY: CIRCULATION SEQUENCE
BRIDGE SHIFTED SOUTH - NORTH BELVEDERE

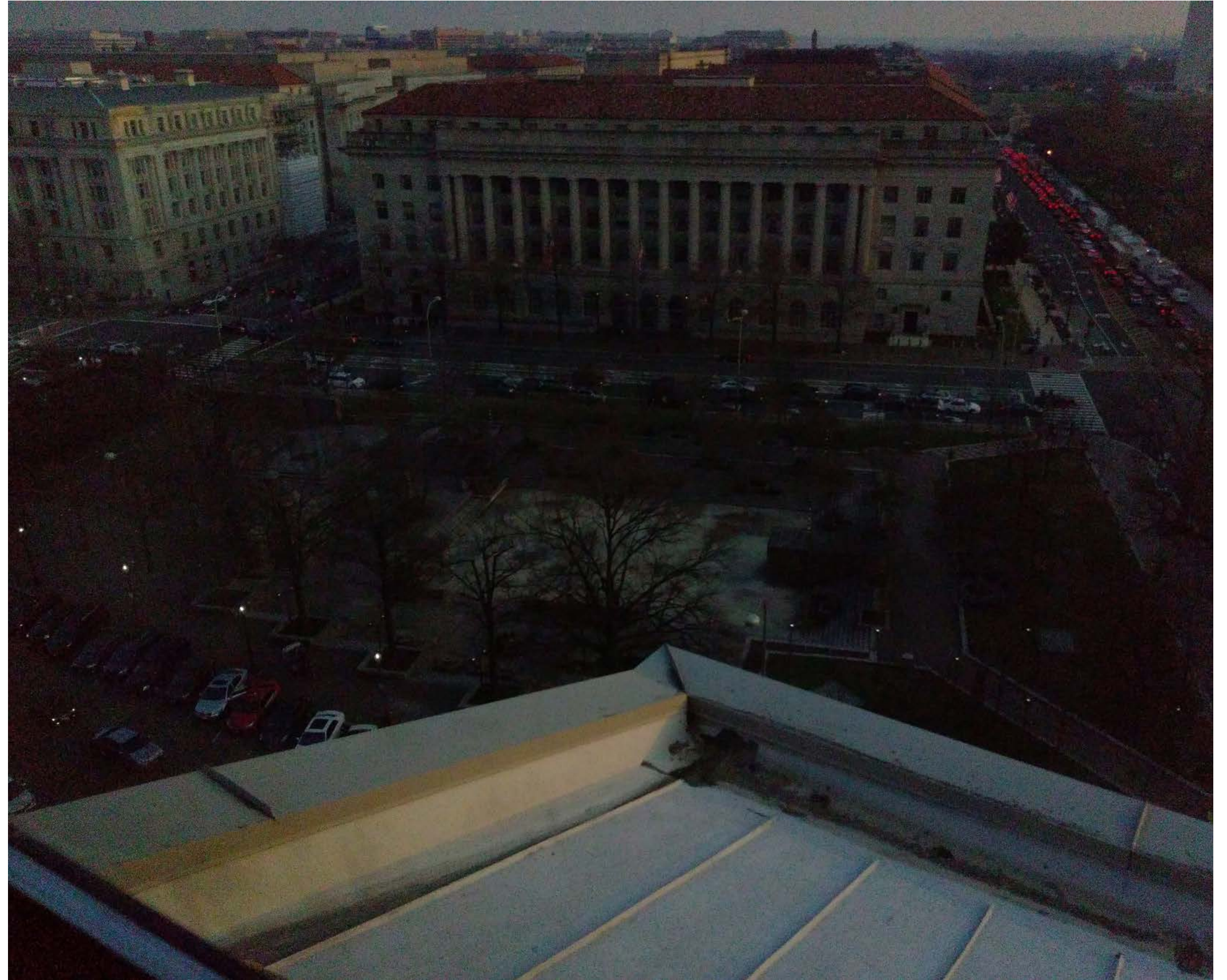


LIGHTING

LIGHTING: EXISTING CONDITIONS

PARK LIGHTING FROM WILLARD

Though much in disrepair, the original lighting strategy focused perimeter lighting on the north and east sidewalks consistent with the PA Avenue and D.C. standards. Moving into the park, each of the 4 main entryways was accented with circulation lighting to pull the visitor into the space. Once at the interior, bright and joyful decorative fixtures framed the south and west terraces, creating a vibrant backdrop for the pool / ice rink. At the lower levels, tall pole mounted flood lights provided light onto the pool / ice rink for adequate light levels when filled with active skaters during the dark winter months. General Pershing was highlighted with a pole mounted accent light which presumably provided lighting for the adjacent walls as well when functioning. The lack of lighting within the grove itself may be a result of the anticipated glow cast by the existing kiosk / concessions structure. The lower terrace to the north and east of the pool are illuminated via the circulation lighting poles used at the site entryways.



LIGHTING: EXISTING CONDITIONS

CENTRAL POOL BASIN

- Ice rink pole mounted floodlights illuminate the central pool with light to support the original park (winter) use
- Lower south terrace lit via overflow from the ice rink poles
- West terrace and fountain remain in darkness



LIGHTING: EXISTING CONDITIONS

PERSHING AREA

- Pole mounted spotlight focuses on General Pershing (no longer functioning)
- Pershing walls are unlit, daytime viewing only
- Area is lit via ambient lighting only



LIGHTING: EXISTING CONDITIONS

GROVE

- PA Ave lighting standards are continued around the north and east park edges
- PA Avenue fixtures illuminate the periphery of the grove
- Lack of central fixtures leaves the majority of the grove illuminated via ambient light only



LIGHTING: EXISTING CONDITIONS

UPPER SOUTH TERRACE

- Decorative fixtures frame the central pool and ice rink (multi-globe fixtures) but no longer function leaving much of the upper terrace and seating areas in darkness
- When operational, the existing multi-globe fixtures flood the upper walkways with light. Their lack of shielding creates glare along the walkway
- Adjacent ice rink fixtures are visible through the trees, a lack of shielding creates periphery glare
- Existing ADA ramp subtly illuminated via adjacent poles



LIGHTING: EXISTING CONDITIONS

SE ENTRY

- Circulation lighting frames the entry stairs leading to the Pershing Memorial
- Nonoperational fixtures to be repaired and reused within the proposed strategy to match the existing design
- The Pershing statue at the top of the stair, currently in darkness
- East Pershing Wall Quote illuminated by adjacent fixtures



LIGHTING: EXISTING CONDITIONS

SOUTH BERM

- South berm is excluded from the park lighting, with only cobra lights for the roadway lighting



LIGHTING: CONCEPT

LAYERS / ZONES

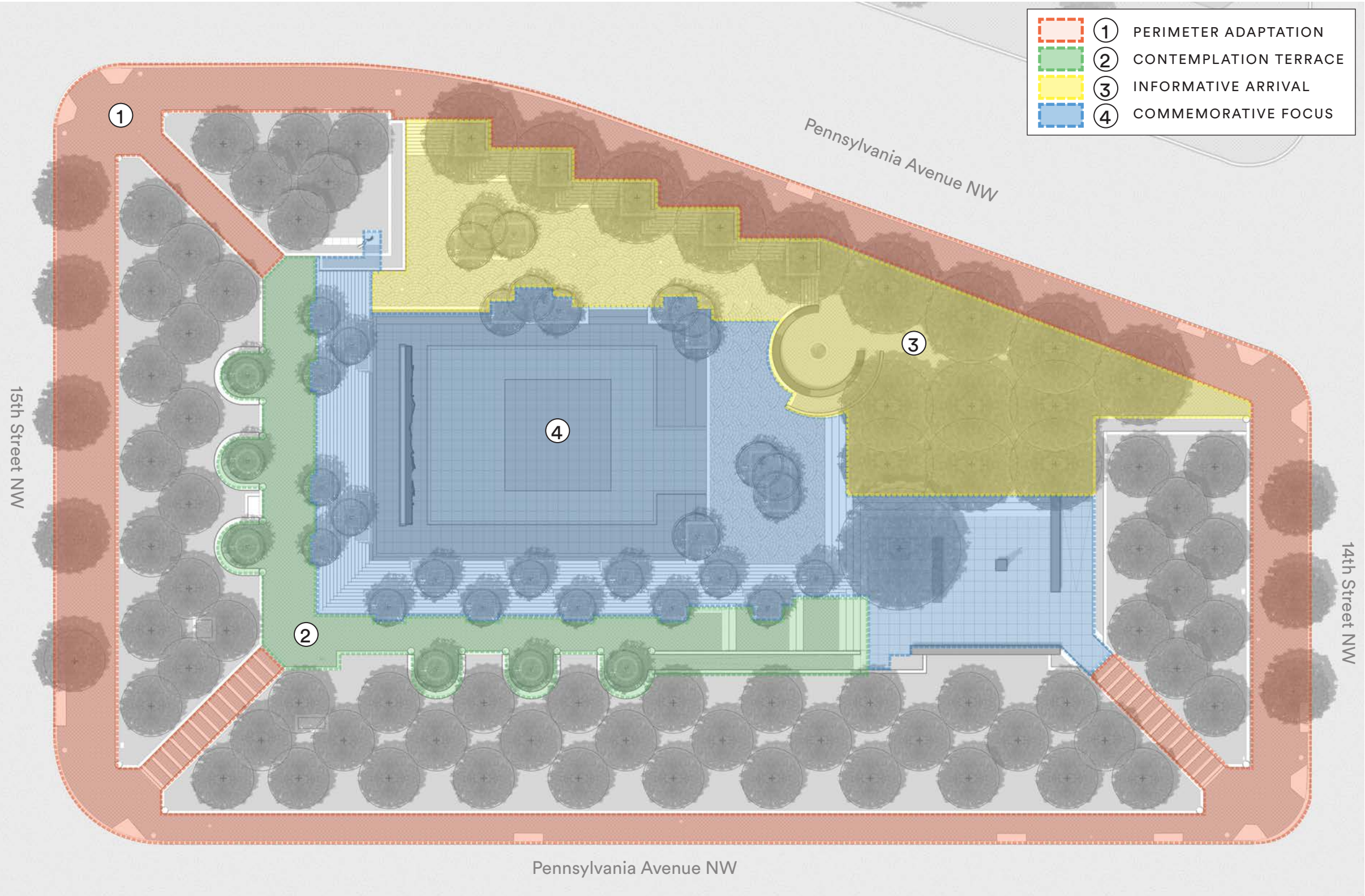
Visitors filter into the park through layers and zones of light which adapt the visitor from the surrounding brightly lit urban context to the more quietly lit landscape. Within this soft landscape lighting are the commemorative elements (both existing and proposed) which emerge from the quiet park lighting with feature illumination, bringing the focus of the nighttime visitor onto the commemorative works.

1 PERIMETER ADAPTATION supports sidewalk and street lighting, tying the site into the urban street grid and allowing for a transition from the high brightness light levels of the city to the softer glow of the memorial park

2 CONTEMPLATION TERRACE is a zone of lower brightness that carries visitors into the site while shielding the commemorative works from the adjacent urban glare

3 INFORMATIVE ARRIVAL functions similarly to the contemplation terrace as a step down in brightness from the perimeter to pull visitors into the Grove, Belvedere, and Lower Plaza

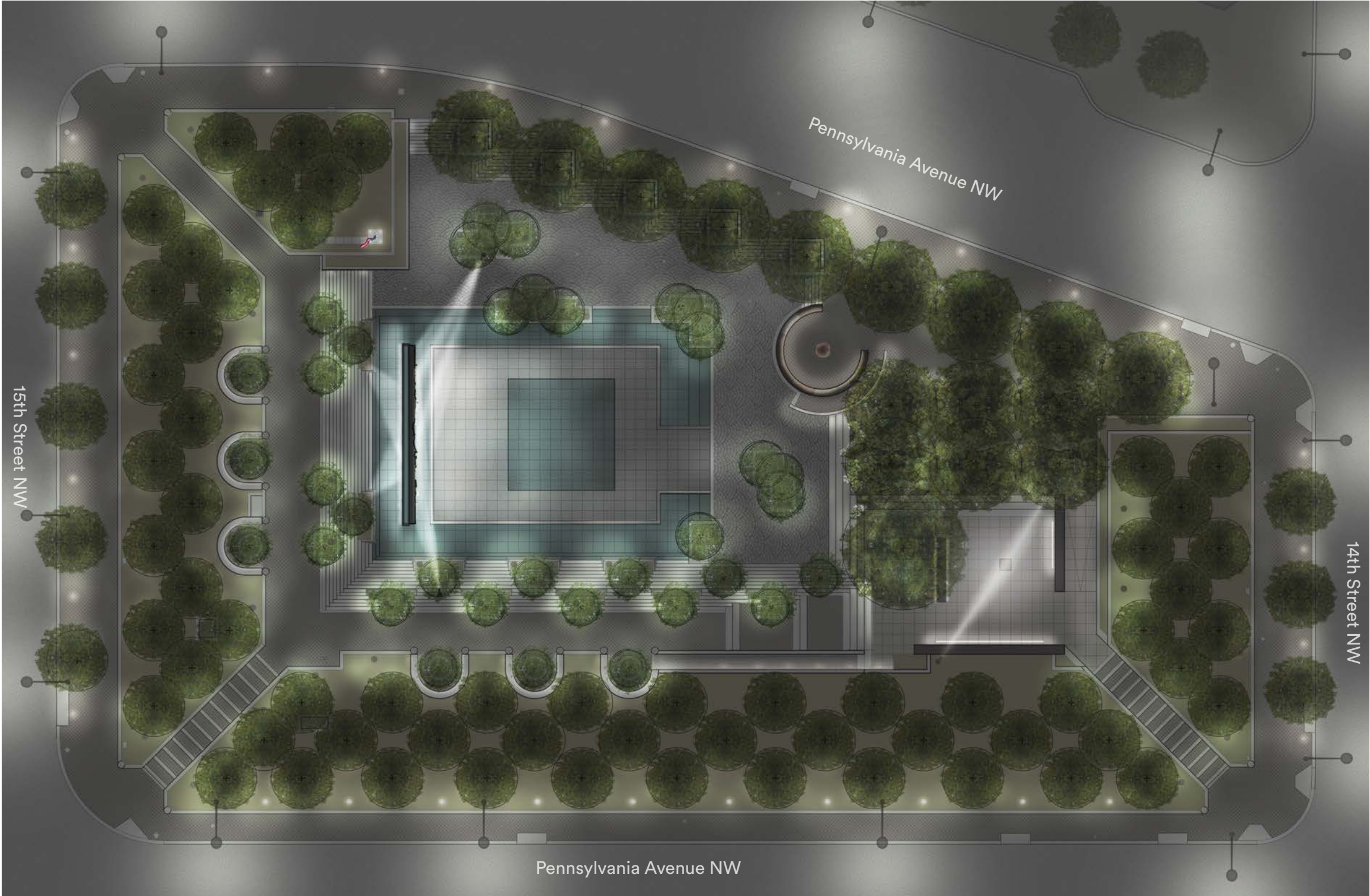
4 COMMEMORATIVE FOCUS the zone in which the commemorative works emerge from the subtle park lighting to pull the focus of the visitor to the memorial elements while providing a contemplative atmosphere, fully sheltered from the surrounding city lights



LIGHTING: CONCEPT

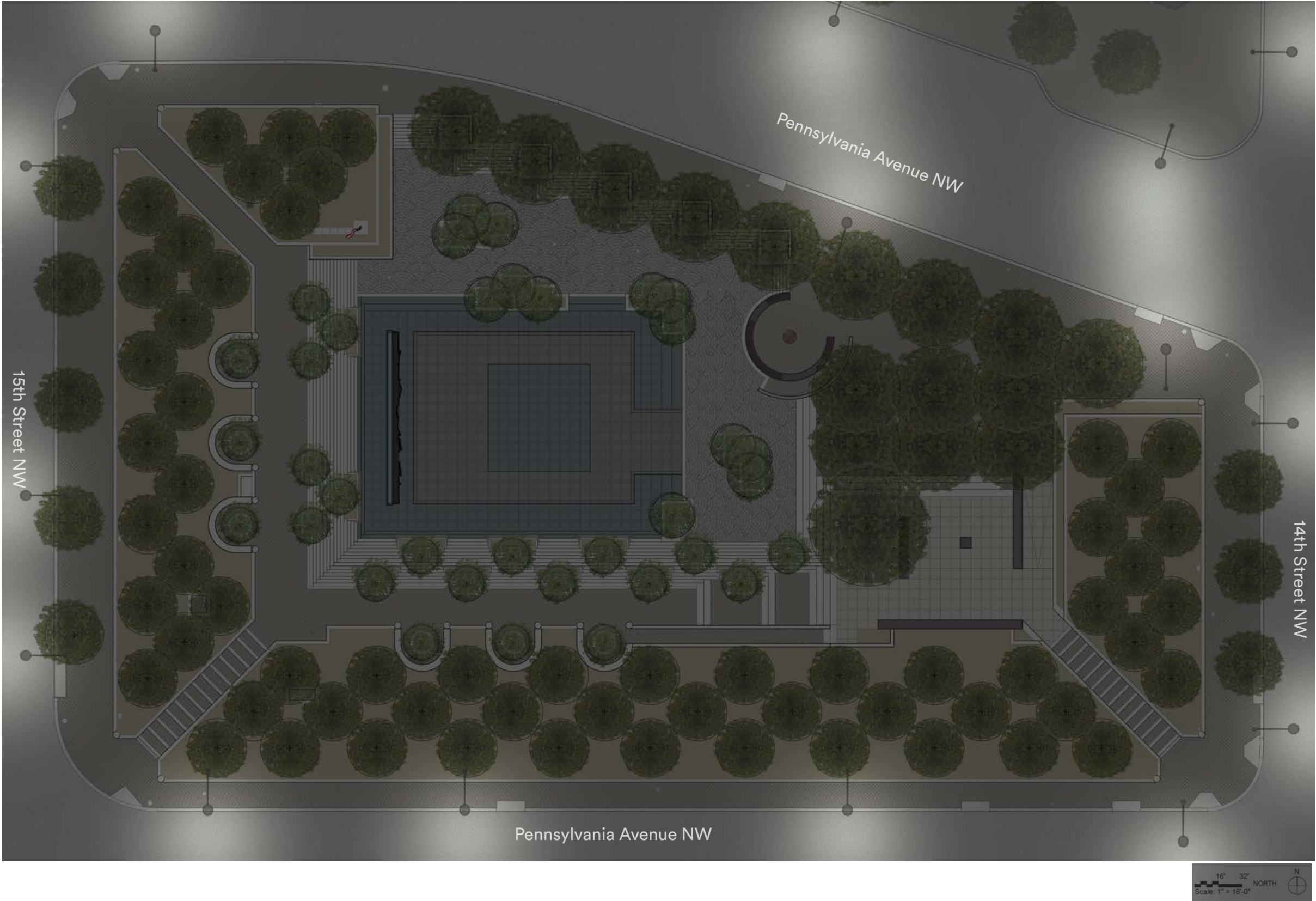
MEMORIAL EXPERIENCE

- Lighting Temperature ~3000K for all proposed fixtures provides a consistent white light that complements both the bronze and green landscape of the site (see sample fixtures)
- All park fixtures use the same tone to ensure a cohesive effect across the site



LIGHTING: CONCEPT
CONTEXT

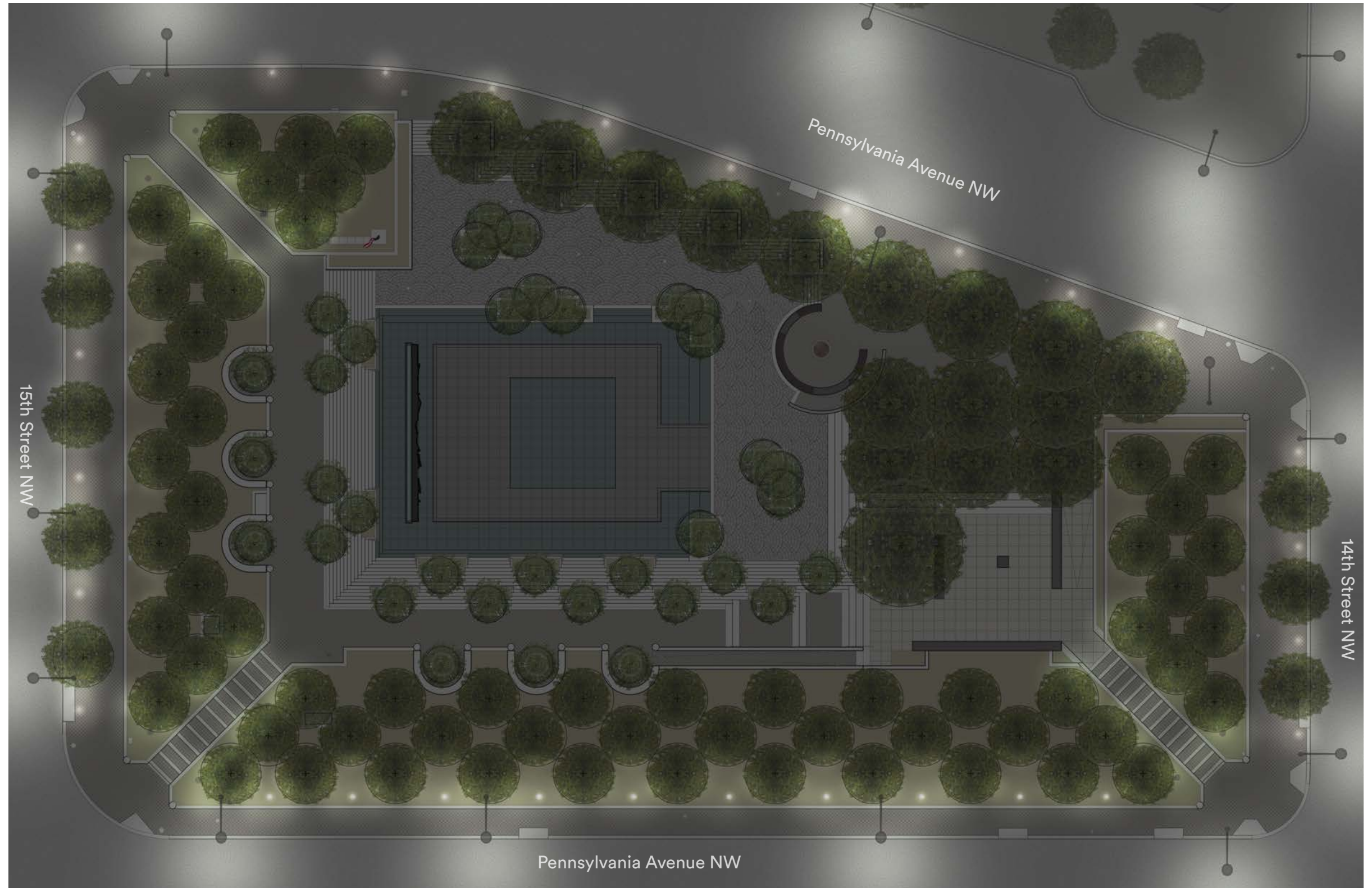
- Existing street lighting illuminates the park context



LIGHTING: CONCEPT

PERIMETER ADAPTATION

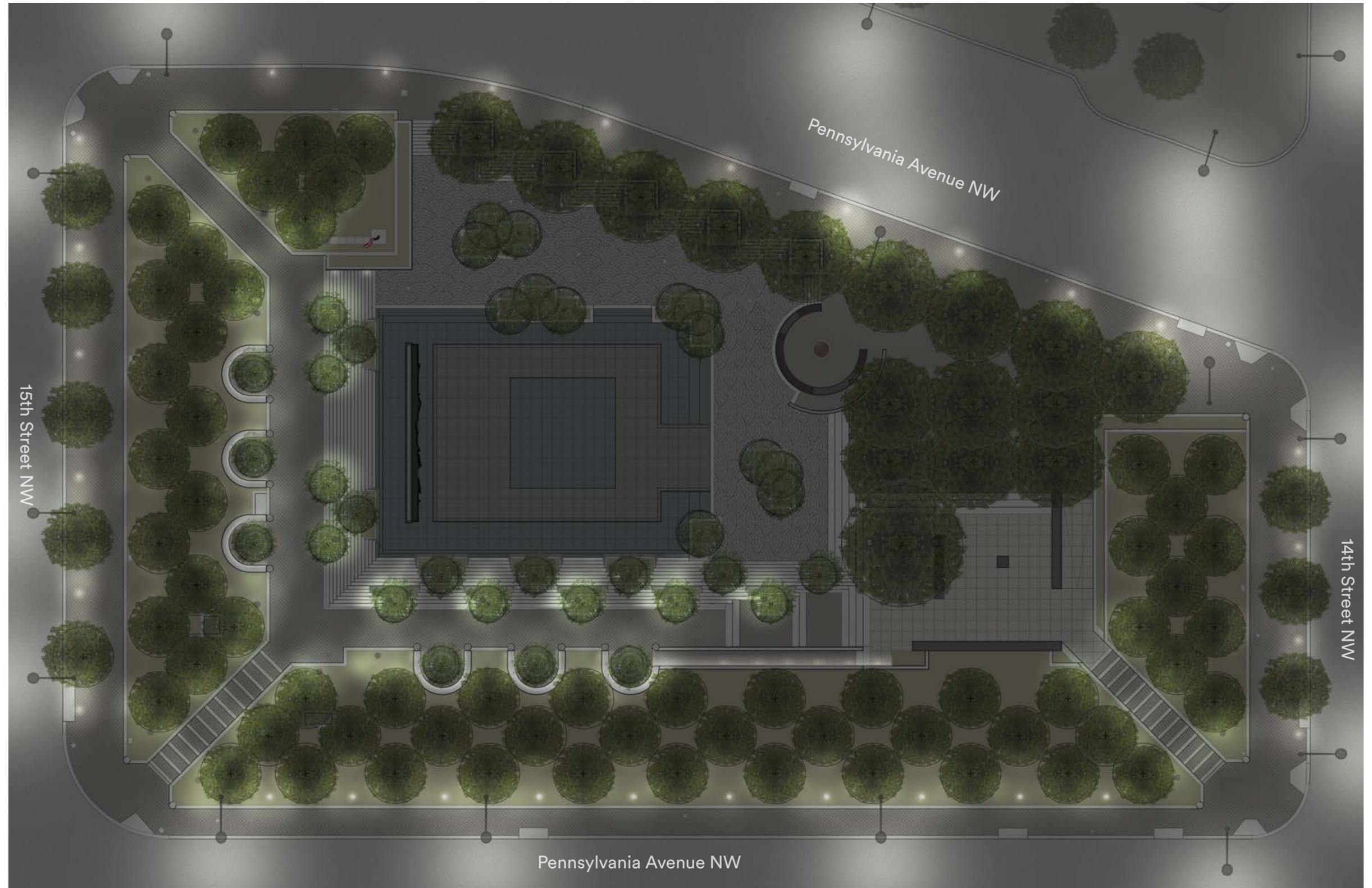
- Existing roadway cobra lights remain to illuminate the adjacent driving lanes
- Existing Washington Globe fixtures remain along the northern stretch of PA Avenue NW and 14th Street NW
- Washington Globe fixtures are added to the southern stretch of PA Avenue NW and 15th Street NW to illuminate the sidewalks and put soft lighting in the trees, continuing the park to the curb rather than stopping at the top of the berm
- Circulation lighting remains at each of the entryways, illuminating the stairs and walks that lead into the site



LIGHTING: CONCEPT

CONTEMPLATION TERRACE

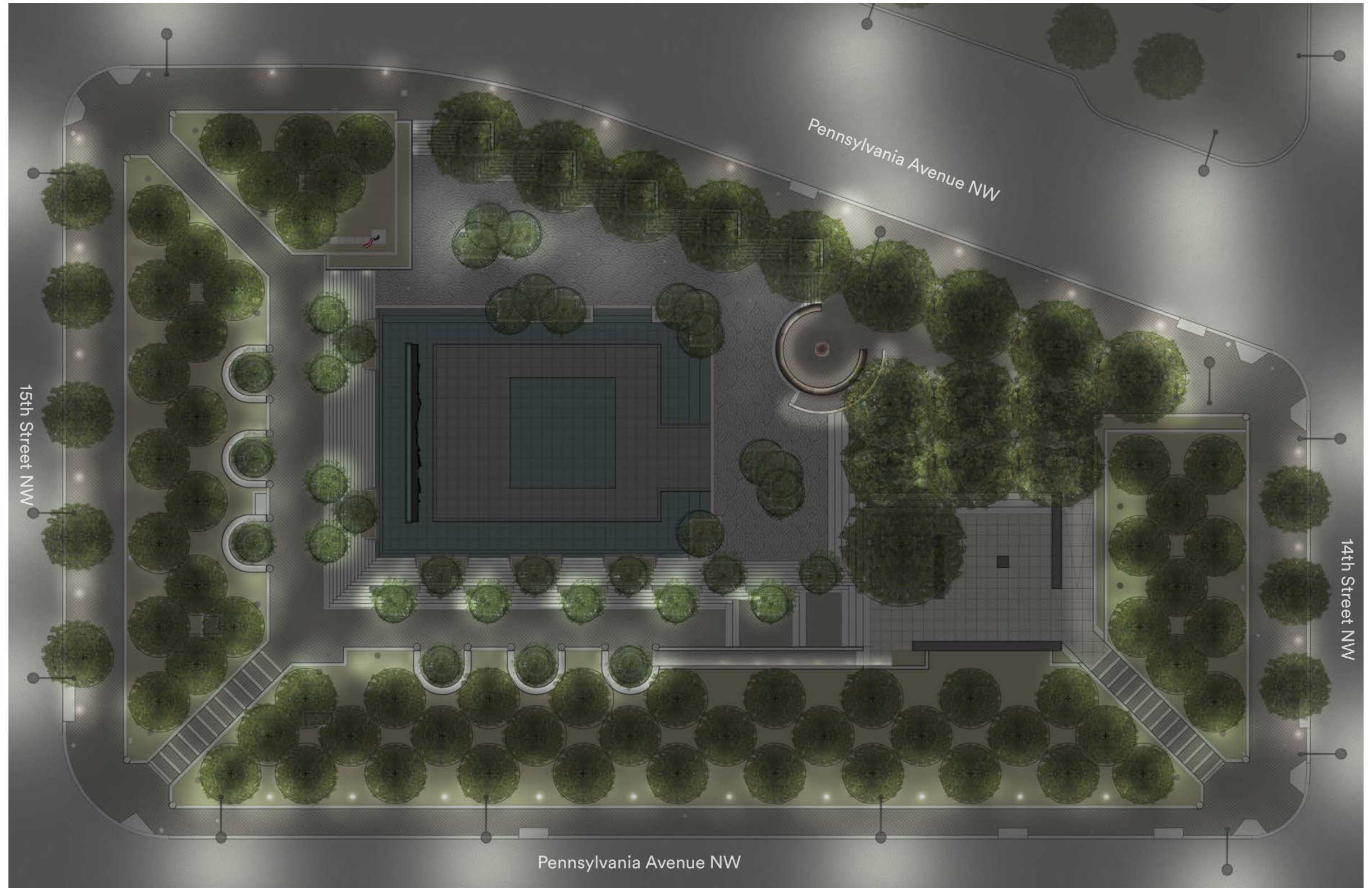
- Subtle circulation lighting replaces the bright and playful multi-globe fixtures of the previous ice rink to softly illuminate the upper terrace and create a gentle glow within the trees for a contemplative memorial backdrop
- Existing seating alcoves receive soft ground illumination from under the benches to create a comfortable place to sit during the evening hours
- Wall mounted step lights illuminate the accessible ramp to direct visitors through the site



LIGHTING: CONCEPT

INFORMATIVE ARRIVAL

- PADC light fixtures are continued along the edge of the site consistent with the existing park character
- PADC fixtures are carried into the grove as an extension of PA Avenue to draw visitors into the space
- Soft illumination of the belvedere from wall mounted step lights and a handrail light at the ramp draws visitors into the interpretive hinge where the memorial unfolds before them
- Linear lighting recessed into the framing device of the interpretive panels provides legibility for the interpretive content



16' 32' NORTH
Scale: 1" = 16'-0"

LIGHTING: CONCEPT

COMMEMORATIVE FOCUS

A SOLDIER'S JOURNEY

- 2 accent lighting poles provide focused lighting at strategic angles to illuminate the sculpture and provide depth with highlight and shadow (see lighting mock up slides)
- Northern pole is tucked within the lower plaza planter to minimize its impact upon the site
- Southern pole is aligned and set just above the terrace planter to hide the pole into the tree canopy

PEACE FOUNTAIN

- A linear light is set below the water level to illuminate the entire cascade
- 2 accent lights in the adjacent terrace planters provide focused light upon the quote for legibility

PERSHING MEMORIAL

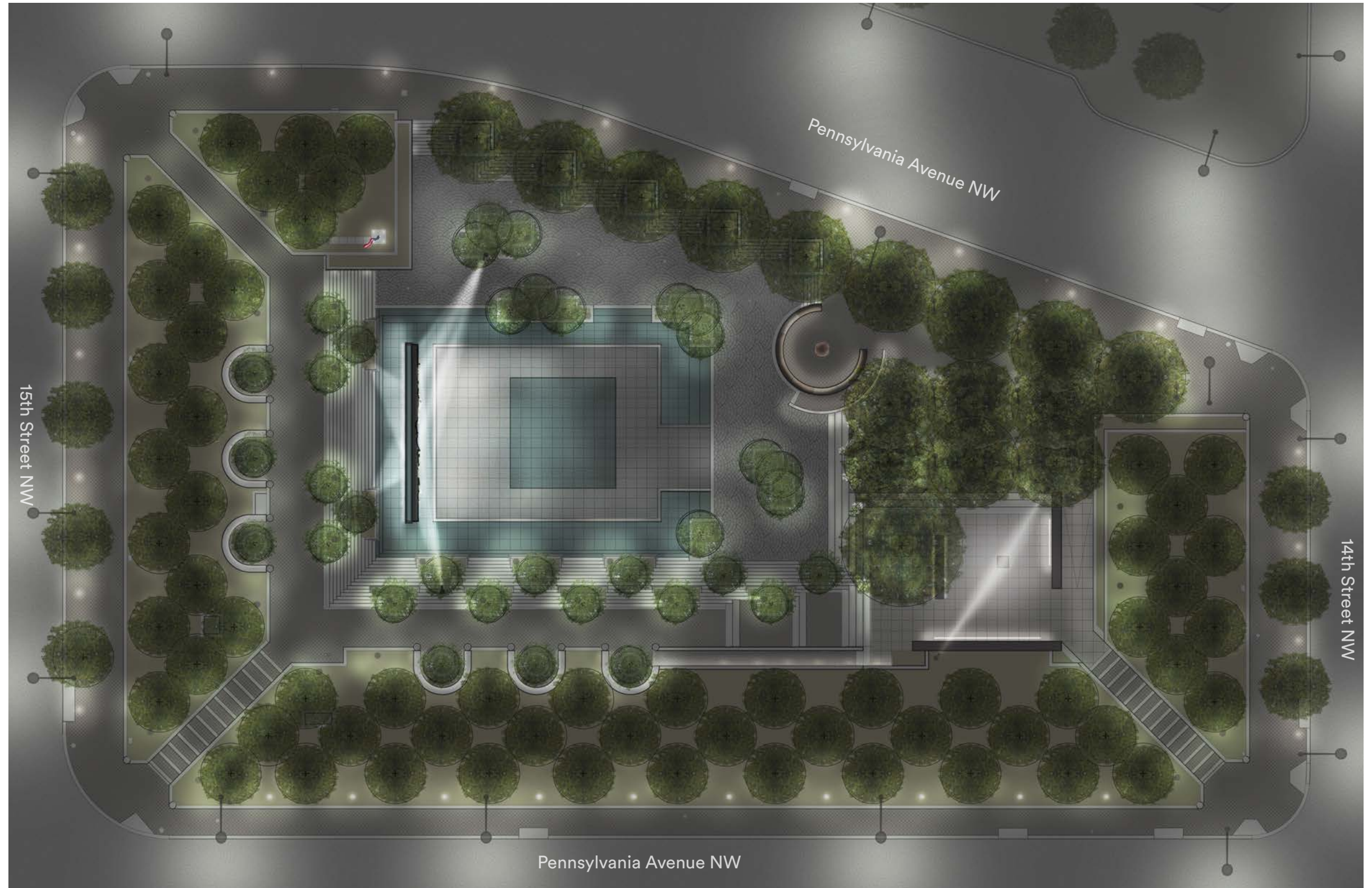
- 2 accent light poles provide directional lighting to illuminate the statue of General Pershing from opposite directions to inform his shape
- Linear uplights illuminate the inscriptions on the Pershing walls for nighttime legibility
- Underbench lighting of the Pershing bench provides a soft comforting glow within the Pershing plaza

WALKWAY

- Circulation lighting in the surrounding planters create a shadow which defines the curb and illuminates the walking surface

FLAGSTAFF

- Uplights gently illuminate the flag



LIGHTING: PALETTE
CIRCULATION LIGHTING



PADC PEDESTRIAN LIGHTING



EXISTING PARK CIRCULATION LIGHTING



INTEGRAL HANDRAIL LIGHTING



UNDERBENCH LIGHTING



WALL MOUNTED STEP LIGHTS

LIGHTING: PALETTE
ROADWAY / SIDEWALK LIGHTING



WASHINGTON GLOBE



WASHINGTON GLOBE WITH FINIAL



EXISTING ROADWAY COBRA POLES

LIGHTING: PALETTE
COMMEMORATIVE ELEMENT LIGHTING



POLE ACCENT LIGHTS



CASCADE UPLIGHTING



CASCADE QUOTE ACCENT LIGHTS (DOT / SPOT, TBD)



PERSHING WALL IN GRADE UPLIGHTS



FLAGSTAFF UPLIGHTING

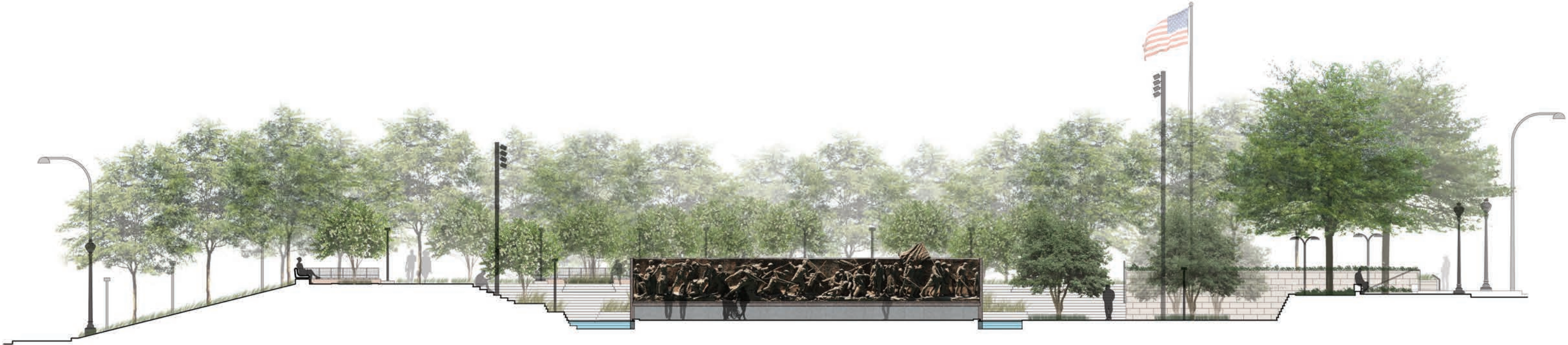
LIGHTING: PALETTE

INTERPRETIVE ELEMENT LIGHTING



INTERPRETIVE PANEL LIGHTING

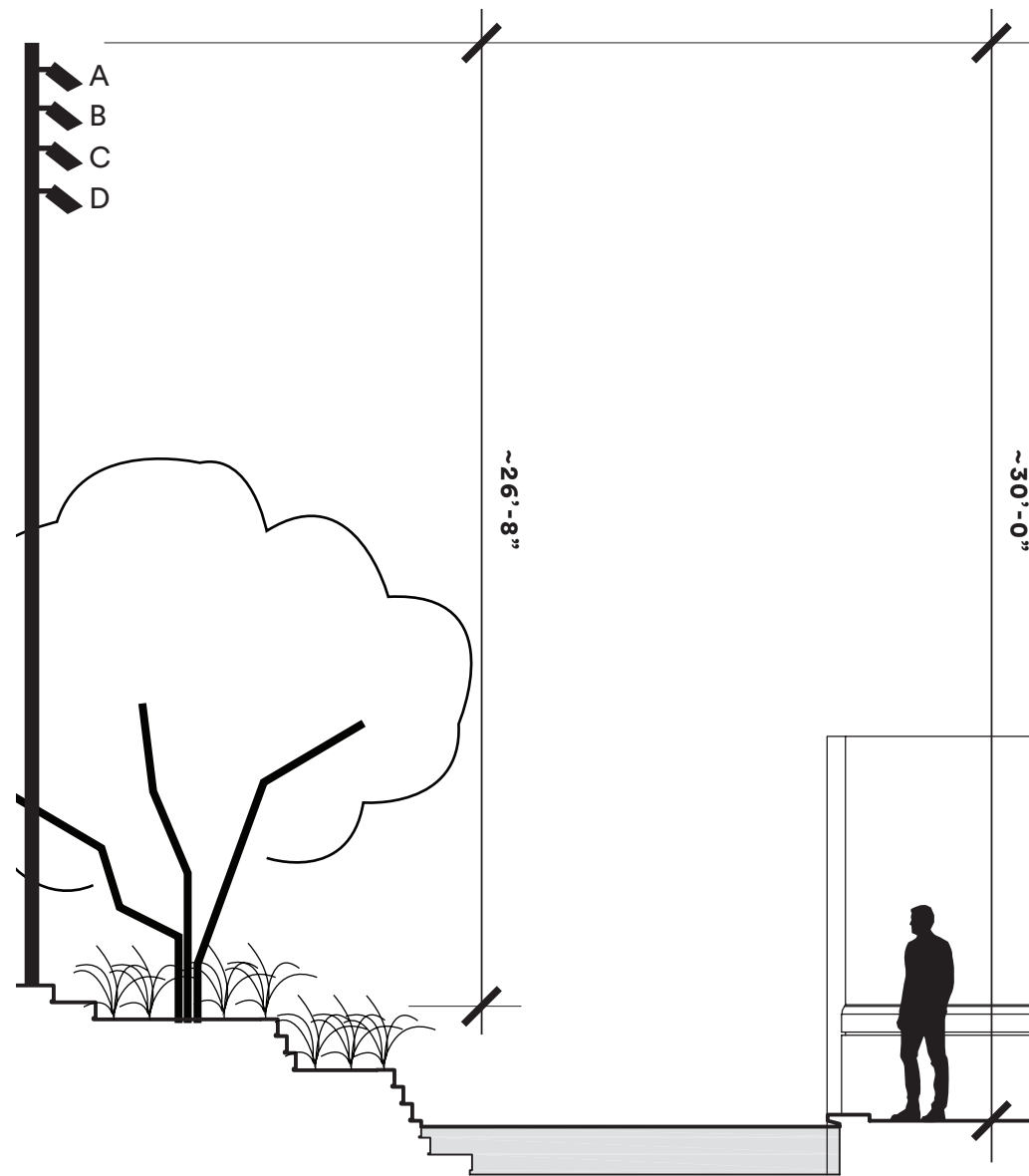
LIGHTING: SCALE AND INTEGRATION
SITE SECTION



LIGHTING: RESULTS OF MOCK UP

SOUTHERN POLE

- Softer light from the southern pole provides balance and fill to the figures from the secondary facing direction of the sculpture (backs of figures) to inform their shape and provide depth
- Each fixture focuses on a specific portion of the sculpture and can be dimmed / filtered as needed to compose the complete lighting effect
- All fixtures have snoots / glare control louvers for fully focused lighting that does not extend beyond the sculpture or produce glare elsewhere in the park

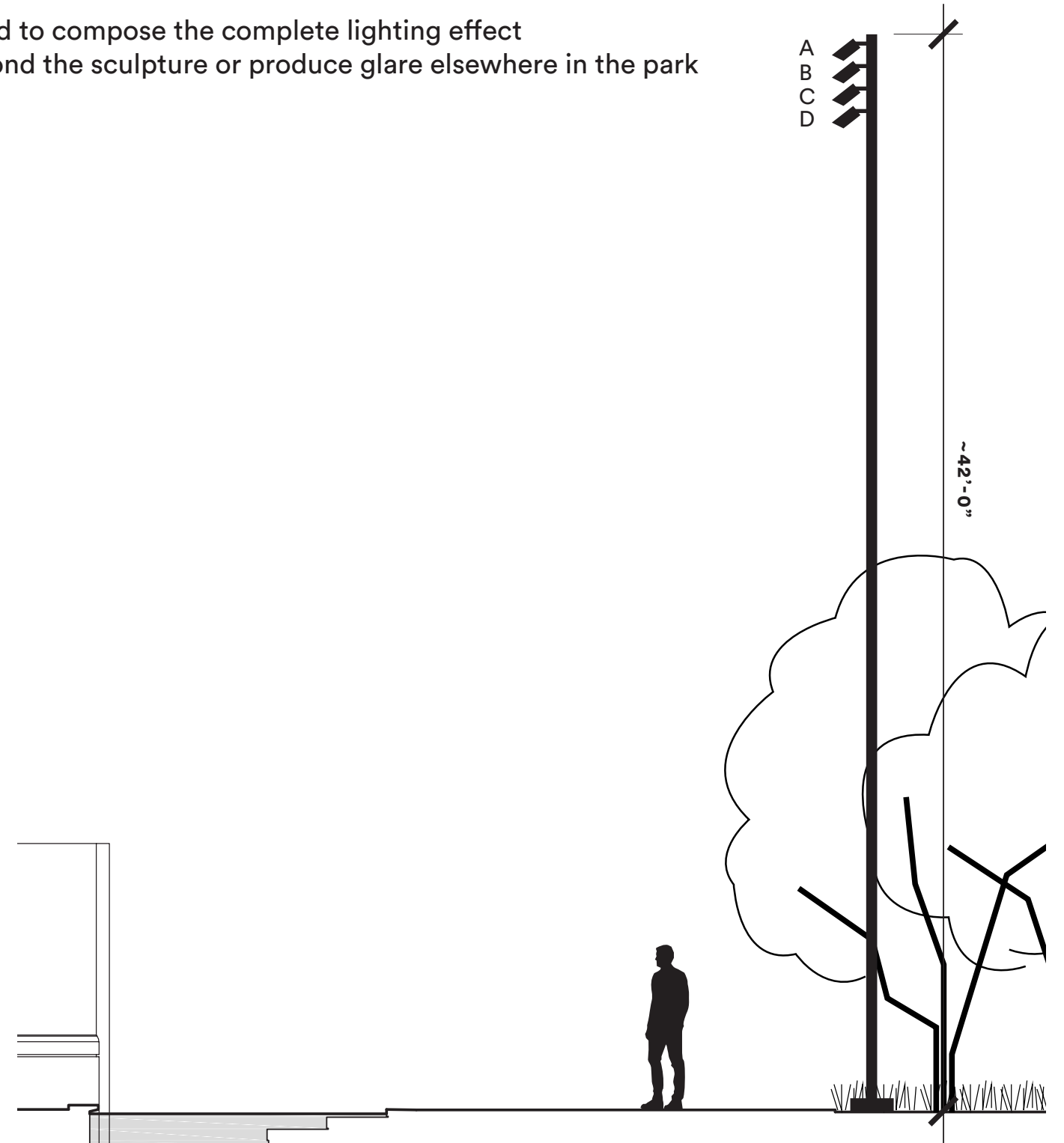


Photos are provided to represent the intended lighting strategy based on equipment available during the lighting mock up at 1:6 scale and are as accurate as possible, but are subject to distortion through camera exposure / shutter speed.

LIGHTING: RESULTS OF MOCK UP

NORTHERN POLE

- Brighter lighting from the northern pole highlights the figures from the primary facing direction of the sculpture (faces of figures) and casts shadows to make the figures pop against the more subtly illuminated backdrop
- Each fixture focuses on a specific portion of the sculpture and can be dimmed / filtered as needed to compose the complete lighting effect
- All fixtures have snoots / glare control louvers for fully focused lighting that does not extend beyond the sculpture or produce glare elsewhere in the park



Photos are provided to represent the intended lighting strategy based on equipment available during the lighting mock up at 1:6 scale and are as accurate as possible, but are subject to distortion through camera exposure / shutter speed.

LIGHTING: RESULTS OF MOCK UP

FULL LIGHTING EFFECT IN CONTEXT

Circulation lighting on the west terrace creates a gentle glow within the trees allowing the sculpture to fade into its context



The sculpture shown in this rendering is a photograph of the maquette taken during the lighting mock up

LIGHTING: FEASIBILITY OF MULTI-GLOBE FIXTURE RE-USE

PROPOSED EFFECT VS IMPACT OF MULTI-GLOBE FIXTURE (WEST TERRACE)



Lighting Considerations

- Quiet glow of Western terrace softens the edge of the sculpture allowing the sculpture to fade into its context
- Viewing experience is comfortable without glare from beyond the sculpture
- Proposed pole is more quiet and in keeping with the somber character of a memorial
- Proposed pole directs light into the site as opposed to the sky and site adjacencies



Lighting Considerations

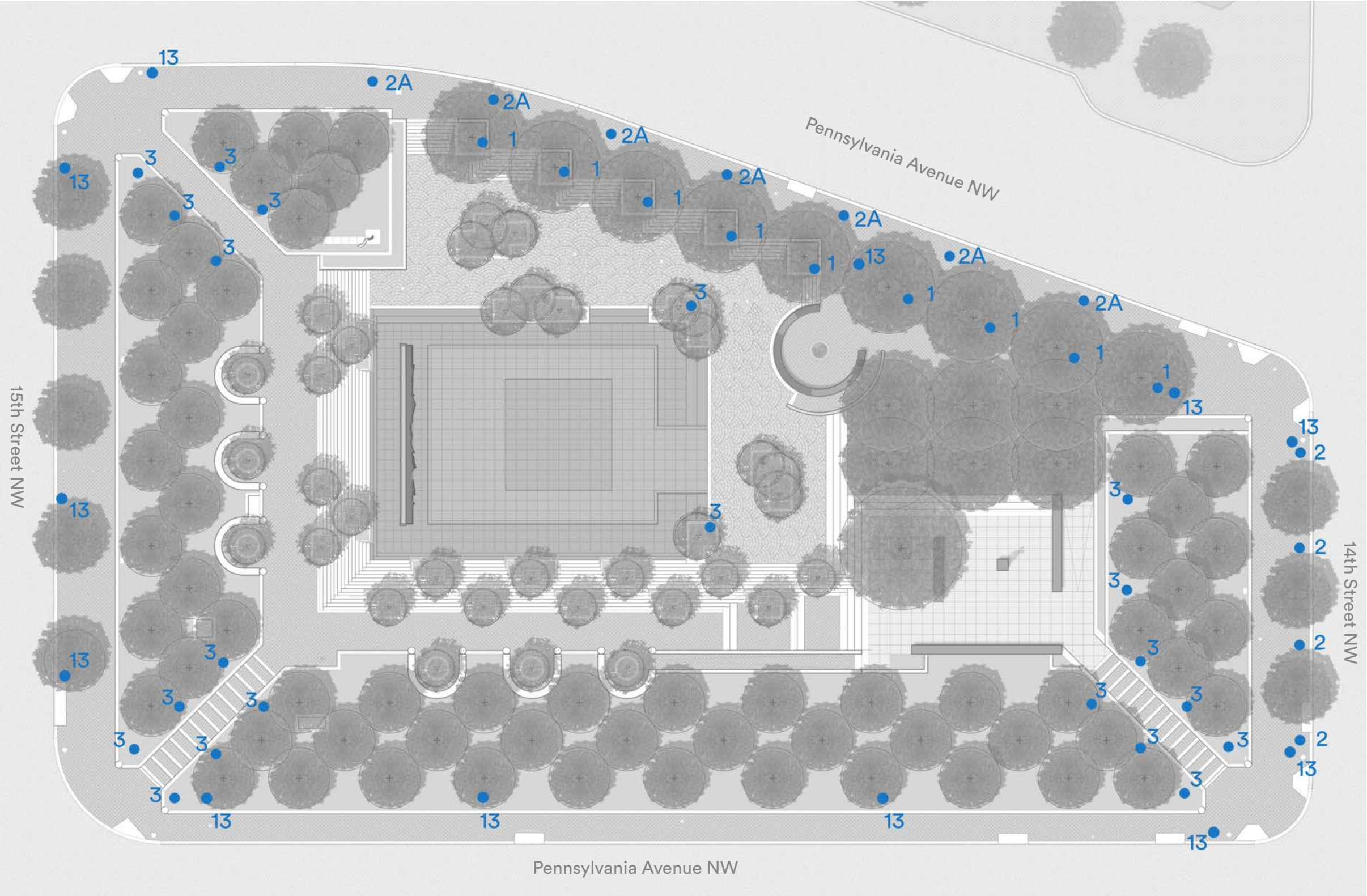
- Bright multi-globe points of light around the sculpture cause distraction and are out of context
- Multi-globe fixtures have no shielding, causing glare for park users and site adjacencies
- Playful character is more fitting to the ice rink than the memorial
- Existing fixtures are in disrepair and would require significant upgrades to repair - This includes the necessity of altering the historic look and feel of the fixture by replacing the original visible incandescent light with a dedicated LED alternate to comply with contemporary energy standards.



Locations of existing multi-globe fixtures

LIGHTING: TECHNICAL INFORMATION

EXISTING FIXTURES TO REMAIN WITHIN THE PROPOSED LIGHTING STRATEGY



16' 32' NORTH
Scale: 1" = 16'-0"

LIGHTING: TECHNICAL INFORMATION

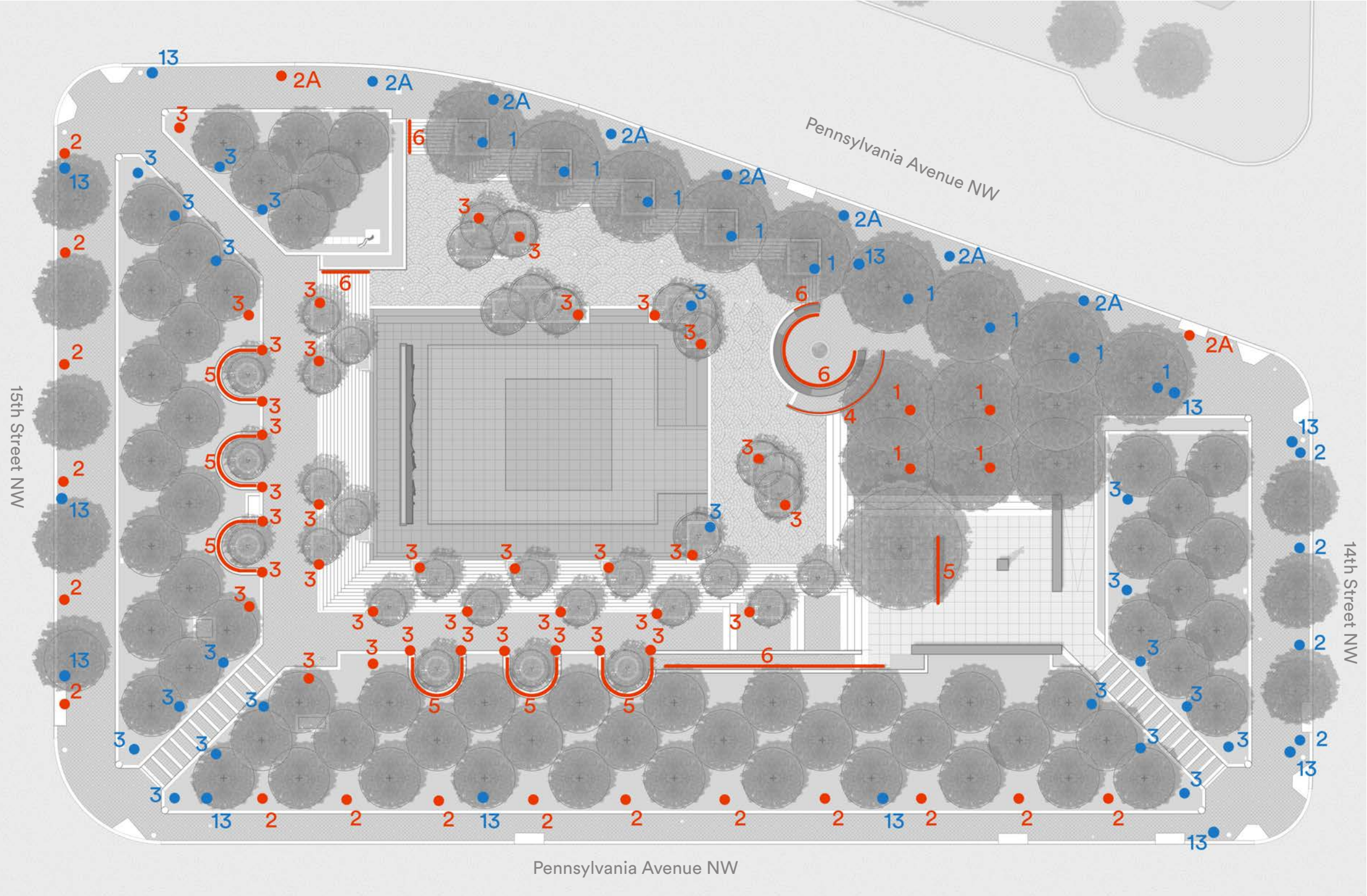
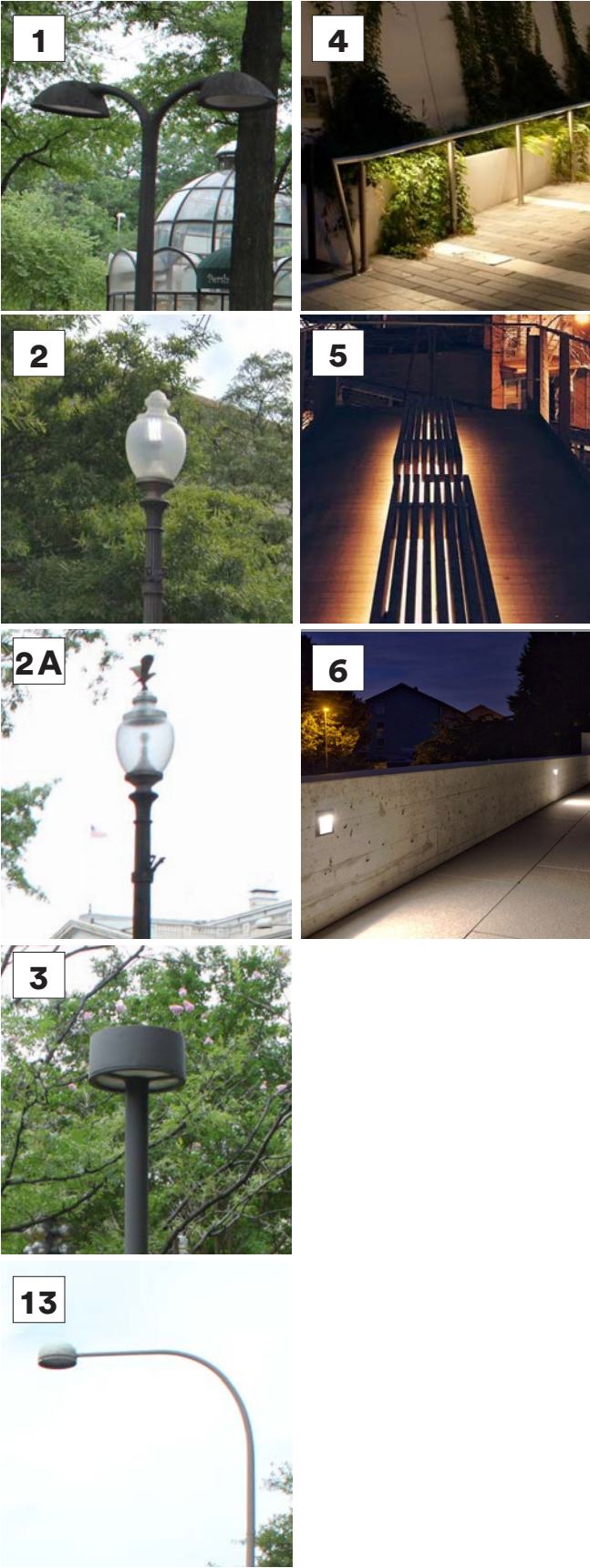
ILLUMINANCE PSEUDO COLOR DIAGRAMS - CIRCULATION LIGHTING ONLY

Technical footcandle mapping of only the lighting required for circulation



LIGHTING: TECHNICAL INFORMATION

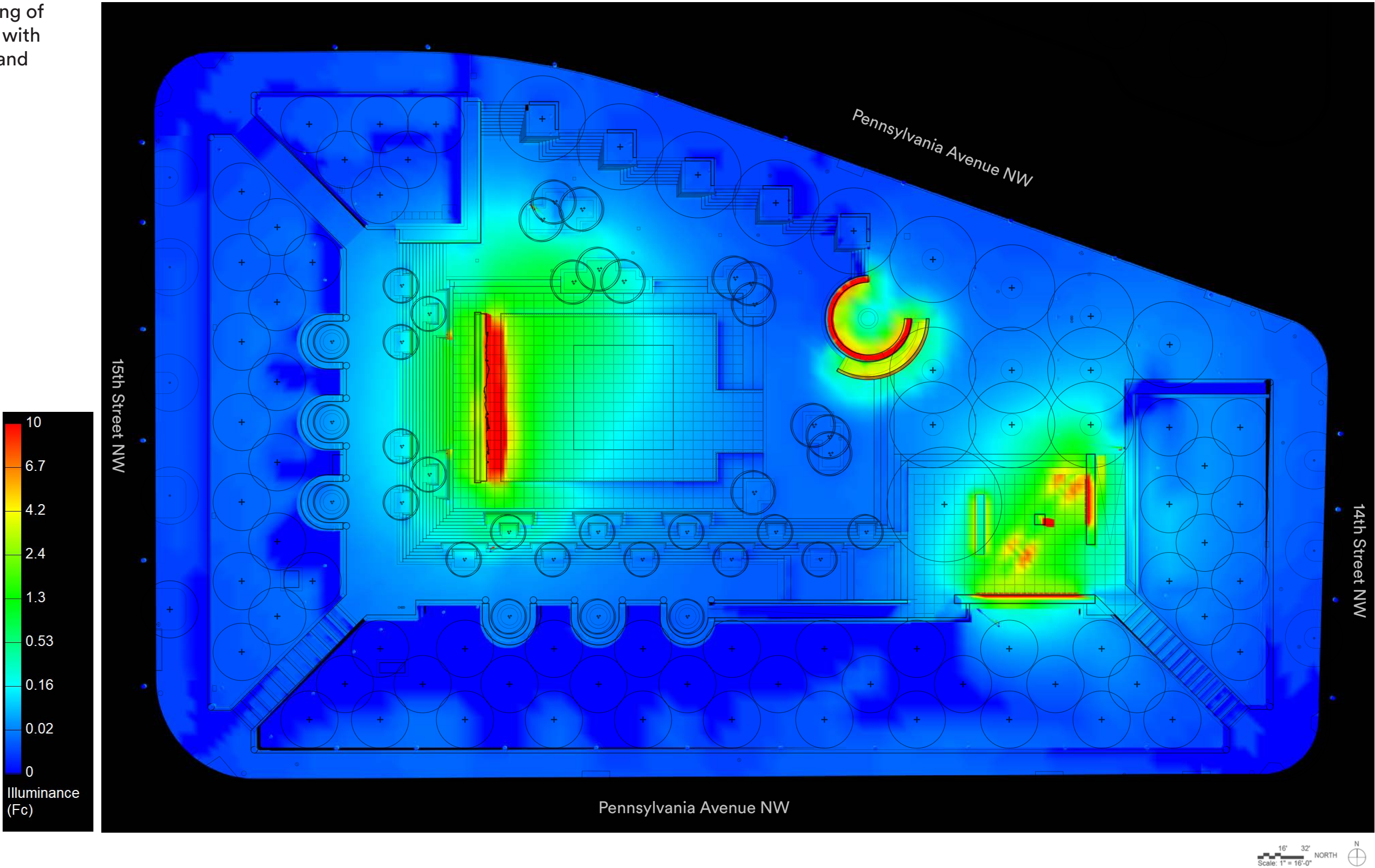
CIRCULATION LIGHTING ONLY (FIXTURES)



16' 32' NORTH
Scale: 1" = 16'-0"

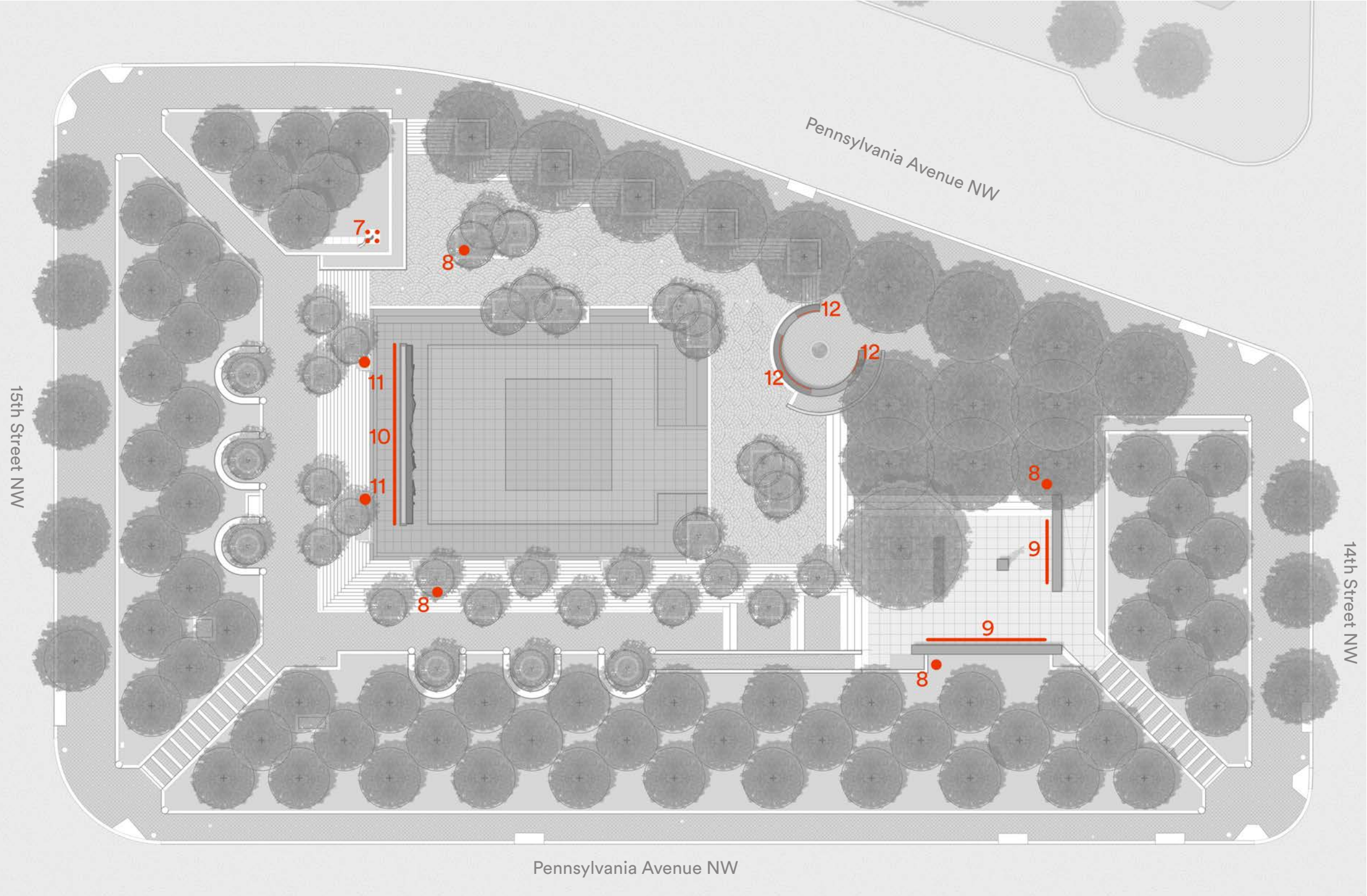
LIGHTING: TECHNICAL INFORMATION
ILLUMINANCE PSEUDO COLOR DIAGRAMS - MEMORIAL LIGHTING ONLY

Technical footcandle mapping of only the lighting associated with the commemorative works and interpretive elements



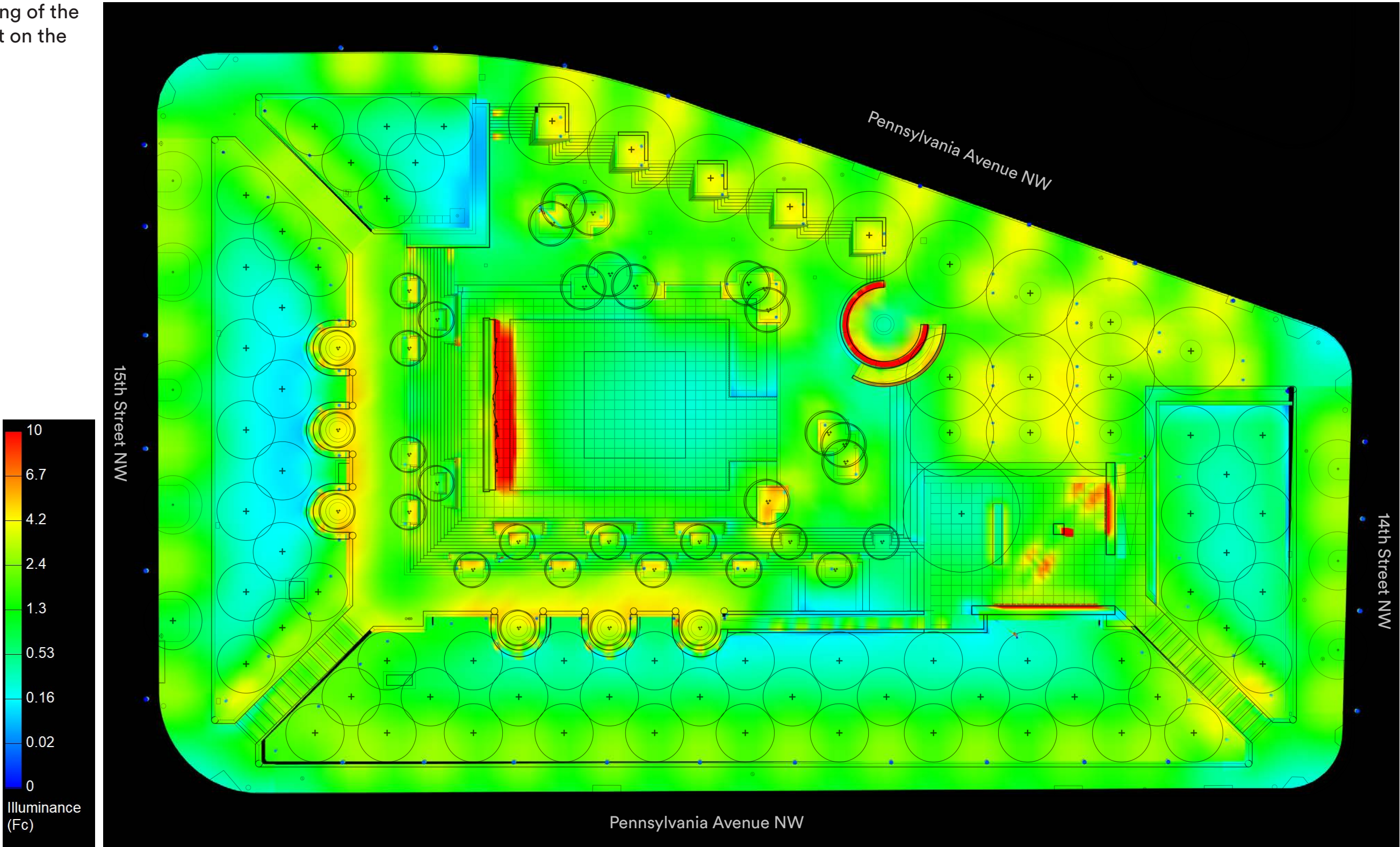
LIGHTING: TECHNICAL INFORMATION

MEMORIAL LIGHTING ONLY (FIXTURES)



LIGHTING: TECHNICAL INFORMATION
ILLUMINANCE PSEUDO COLOR DIAGRAMS - COMBINED LIGHTING

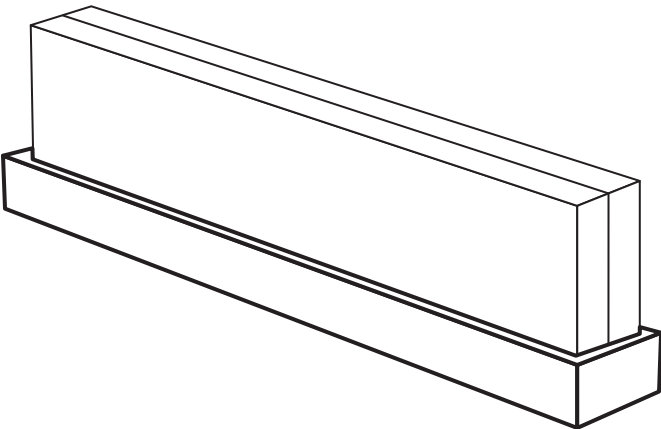
Technical footcandle mapping of the full combined lighting effect on the site



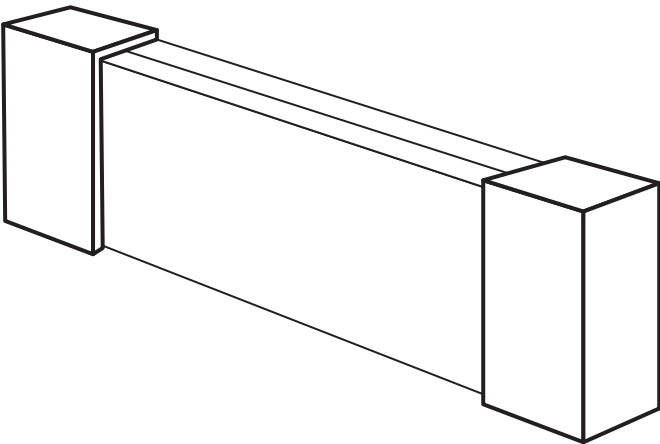
SCULPTURE FOUNTAIN

SCULPTURE FOUNTAIN: OCTOBER 2018

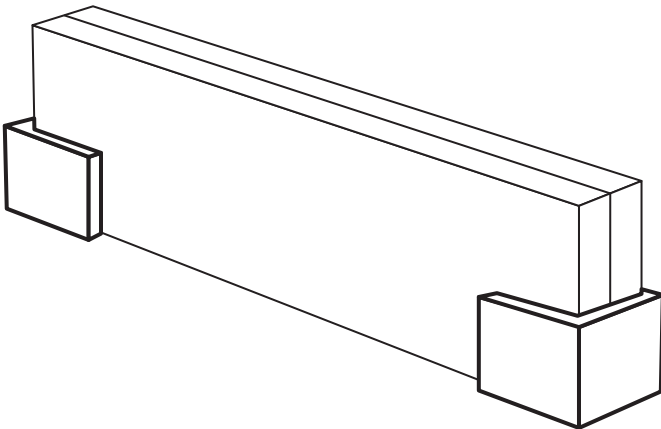
STUDIES / PROCESS



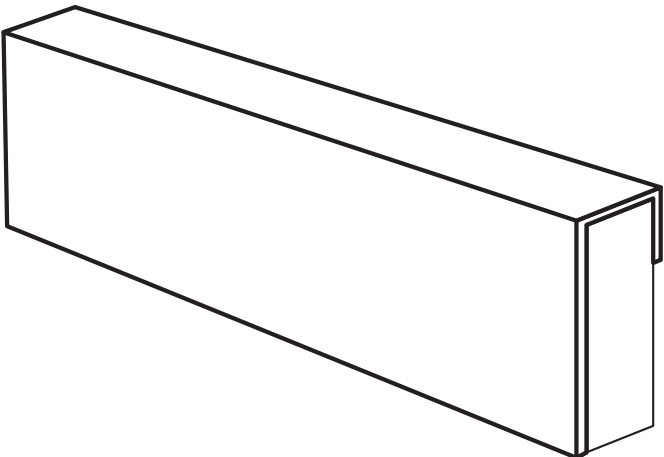
BASE / PLINTH



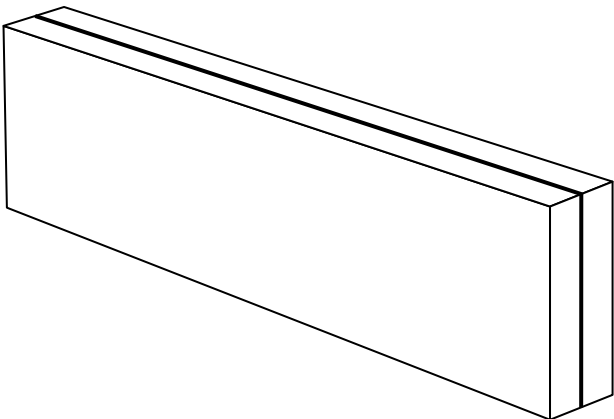
BOOKENDS - FULL



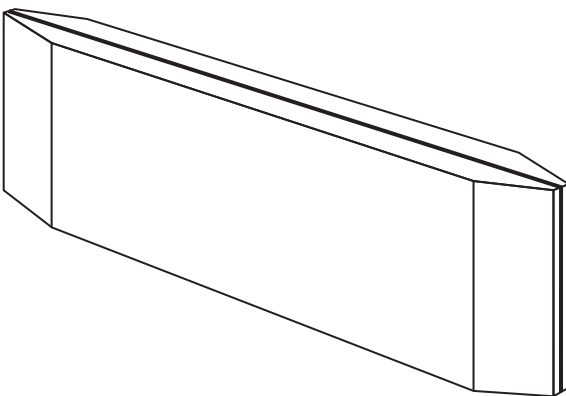
BOOKENDS - PARTIAL



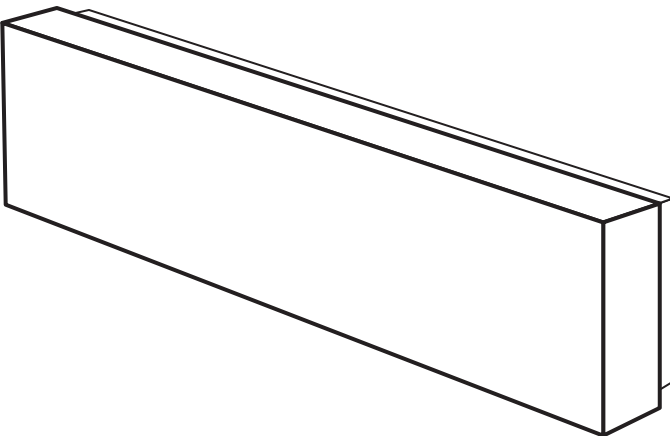
WRAPPED OVER TOP



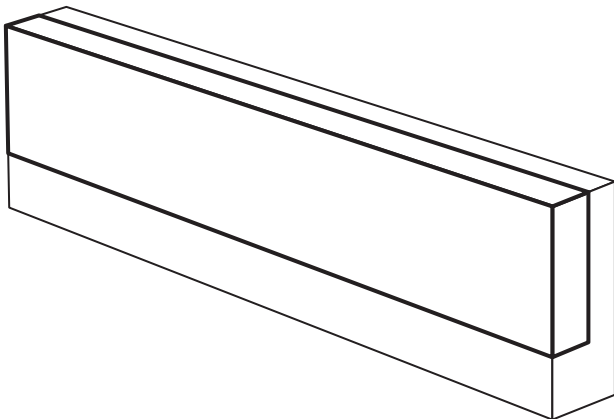
SEAM



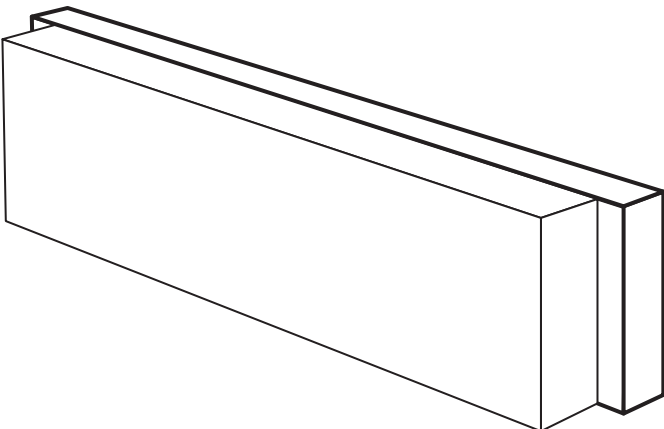
SEAM - TAPERED



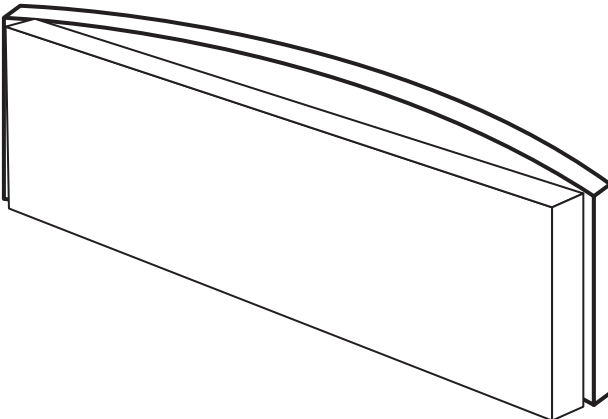
WEST FRAMED



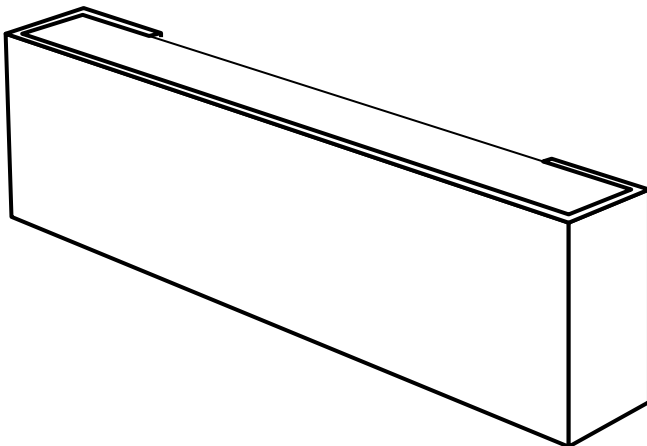
NESTED



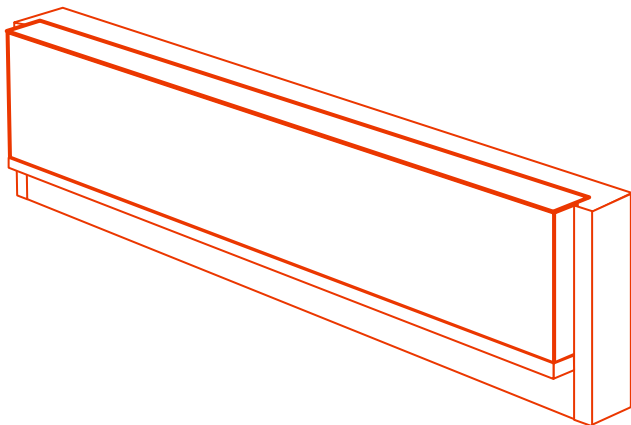
EAST FRAMED 1



EAST FRAMED 2

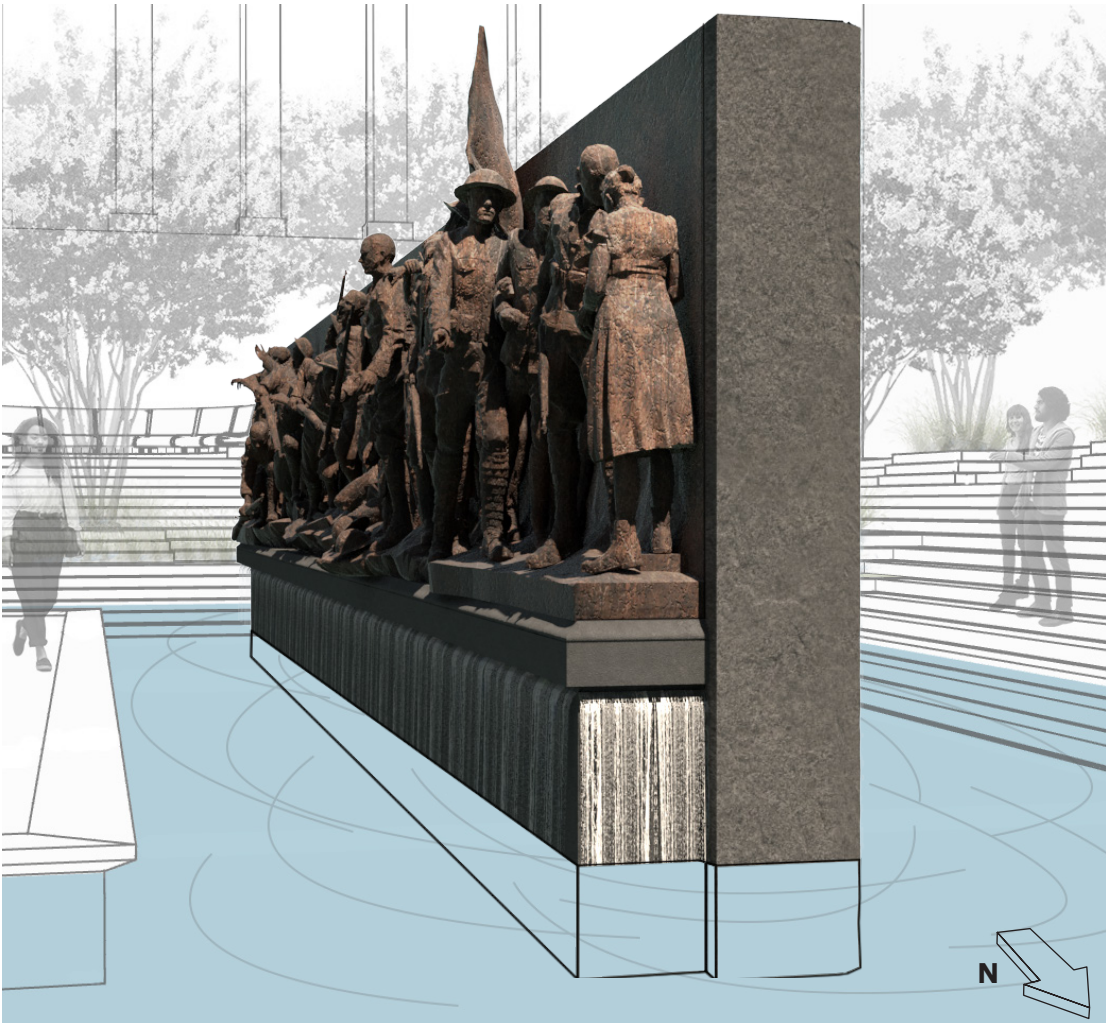


WRAPPED AROUND SIDES

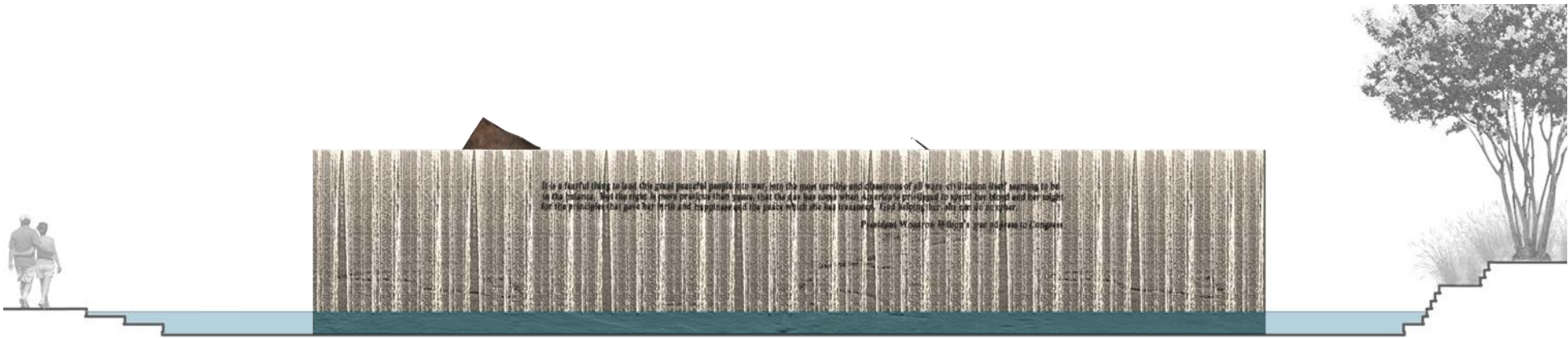


CANTILEVERED

SCULPTURE FOUNTAIN: OCTOBER 2018
CANTILEVERED CONCEPT WITH MONOLITHIC FOUNTAIN (PREFERRED DIRECTION AS ADVISED BY CFA)



EAST ELEVATION



WEST ELEVATION

SCULPTURE FOUNTAIN: DETAILING

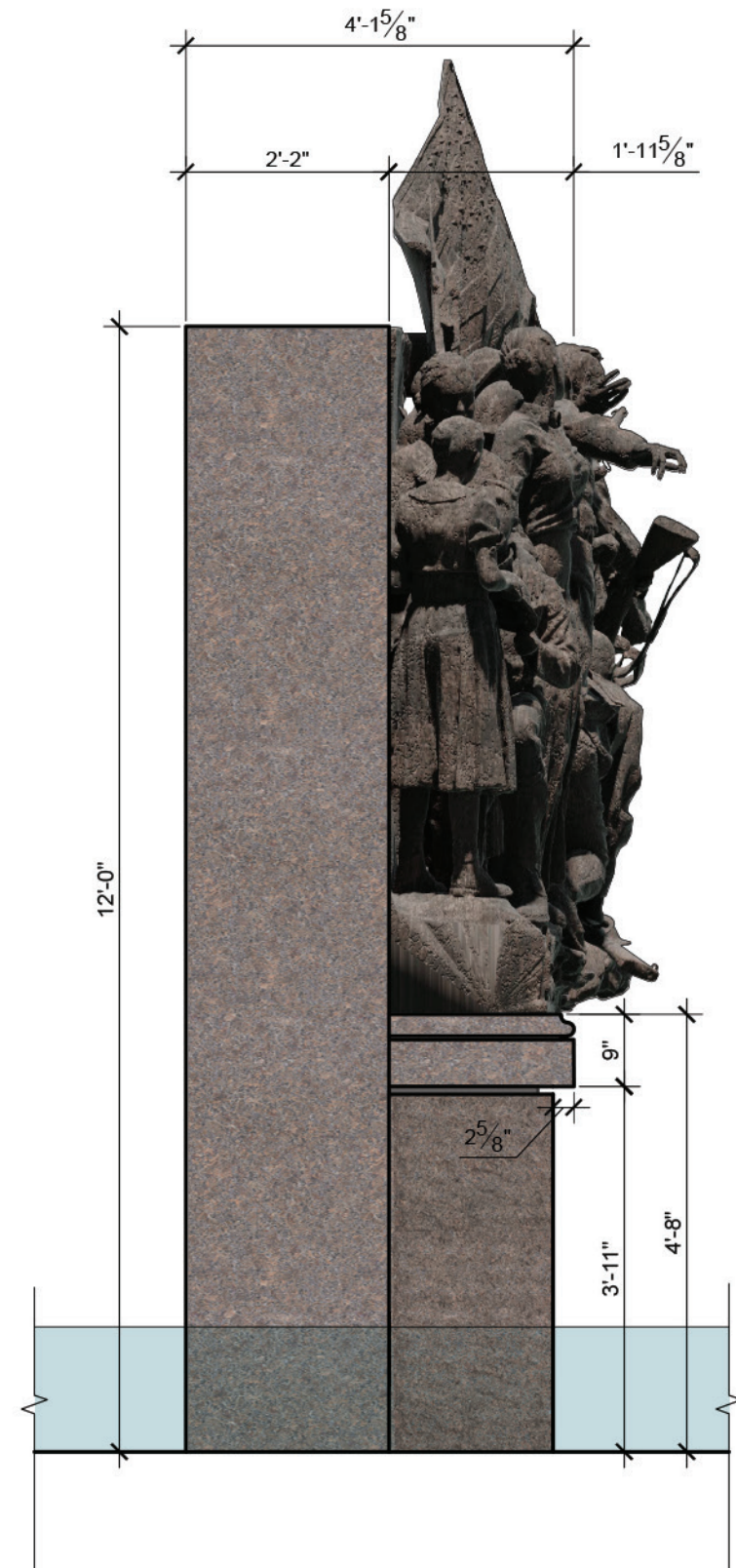
REFINED CANTILEVERED CONCEPT WITH MONOLITHIC FOUNTAIN

Directives + Responses October 2018 CFA

- Strong preference for the option in which the bronze sculpture rests on a stone shelf projecting above a recessed linear waterfall paired with the monolithic stone wall on the west side
- Further developed the preferred option
- Recommended developing the light quality and ethereal character by making the stone shelf as thin as possible and further recessing the waterfall
- Coordinated with structural and fountain team to develop the narrowest internal profile possible to support the bronze sculpture and desired cascade effects
- Preference for the darker granite to match the Pershing Walls
- Pursued the use of the Carnelian granite to match the existing Pershing Walls



REFINED CANTILEVERED CONCEPT WITH MONOLITHIC FOUNTAIN



SCULPTURE FOUNTAIN: REVISED MAQUETTE STEP 1

DIGITIZING THE MAQUETTE TO MAINTAIN THE SPACING AND POSING OF FIGURES BETWEEN VERSIONS



SCULPTURE FOUNTAIN: REVISED MAQUETTE STEP 2

PHOTOGRAMMETRY OF NEW & REWORKED ELEMENTS (PRESENTED OCTOBER 2018)



SCULPTURE FOUNTAIN: REVISED MAQUETTE STEP 3

COMPILING THE PHOTOGRAMMETRY AND PREVIOUS MAQUETTE INTO A SINGLE DIGITAL SCULPTURE



SCULPTURE FOUNTAIN: REVISED MAQUETTE STEP 4

TEST PRINTING SELECTIONS OF THE DIGITAL MAQUETTE AT VARIOUS SCALES TO BETTER UNDERSTAND PROPORTIONS



4A - Small Scale



4B - Full Size

Test prints shown on this page were generated by the Pangolin foundry to test the process and do not represent an actual figure from the maquette.

SCULPTURE FOUNTAIN: REVISED MAQUETTE STEP 5

POWDER PRINTING THE ENTIRE COMPOSITION FIGURE BY FIGURE TO CHECK THE ACCURACY OF THE LINES AND ARCS AS DESIGNED BY SABIN



SCULPTURE FOUNTAIN: REVISED MAQUETTE STEP 6

PHYSICAL HAND SCULPTING OF THE BASE TO COORDINATE WITH THE SURROUNDING ARCHITECTURE



SCULPTURE FOUNTAIN: REVISED MAQUETTE STEP 7

RE-DIGITIZING THE FINAL MAQUETTE WITH THE ADDED HAND SCULPTING IN ORDER TO PRODUCE A FILE READY FOR A FULL SCALE MILLING OR REPRINTING AT ENLARGED SCALES



3D Print with added hand sculpting

SCULPTURE FOUNTAIN: FIGURE HEIGHT
COMPARISON

The proposed compression of the sculpture to achieve the reduced length as presented in May 2018 (based upon studies of the scale maquette) was determined to cause visual distortions when enlarged to full scale for testing at the foundry.

As such, two options have emerged for the sculpture fountain:

A: Continue with the desired 6’-6” **FIGURE HEIGHT** (as determined by May 2018 CFA) which results in a longer sculpture fountain totaling 59’-4” when including the stone bookends (58’-4” of just bronze)

B: Continue with the previously approved sculpture fountain **LENGTH** of 57’-6” (56’-6” just bronze) and scale the figure height down to a 6’-2” figure height to fit the approved length

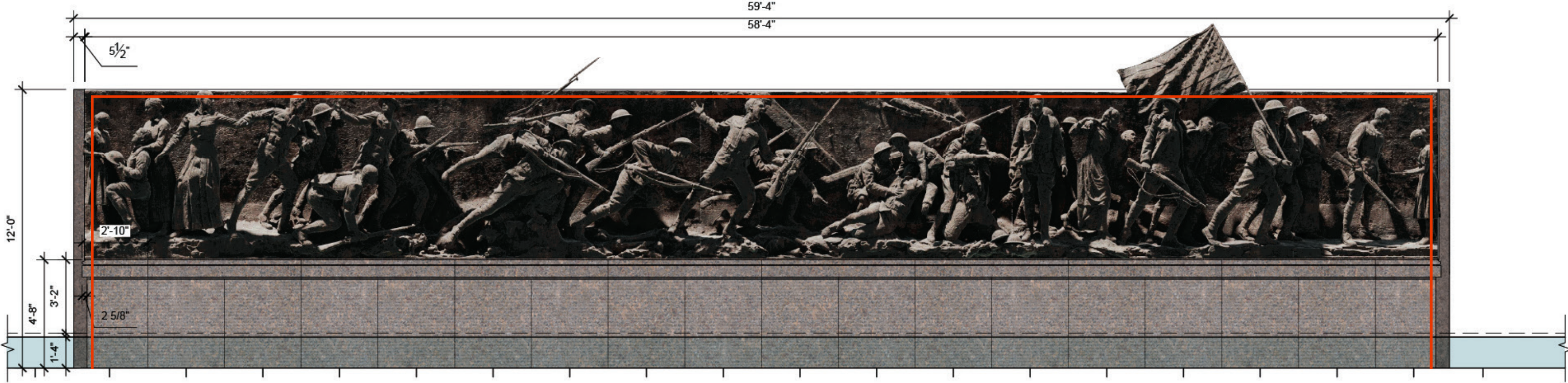
Please Note:

The scale figures (shown at 5’-6 1/2”) represent the median height of the average U.S. male (5’-9”) and female (5’-4”)

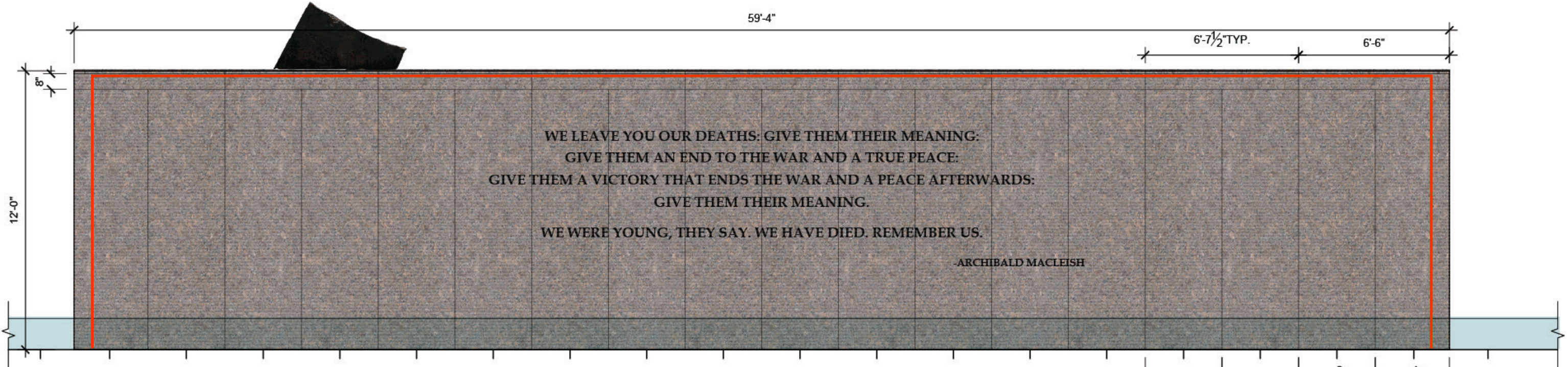
The sculpture and scale figures are shown on this page in true elevation. The perception of the height differences is increased when viewed in perspective, see full scale prints available during CFA presentation on 04/18/2018



SCULPTURE FOUNTAIN: FIGURE HEIGHT
IMPACT IN ELEVATION



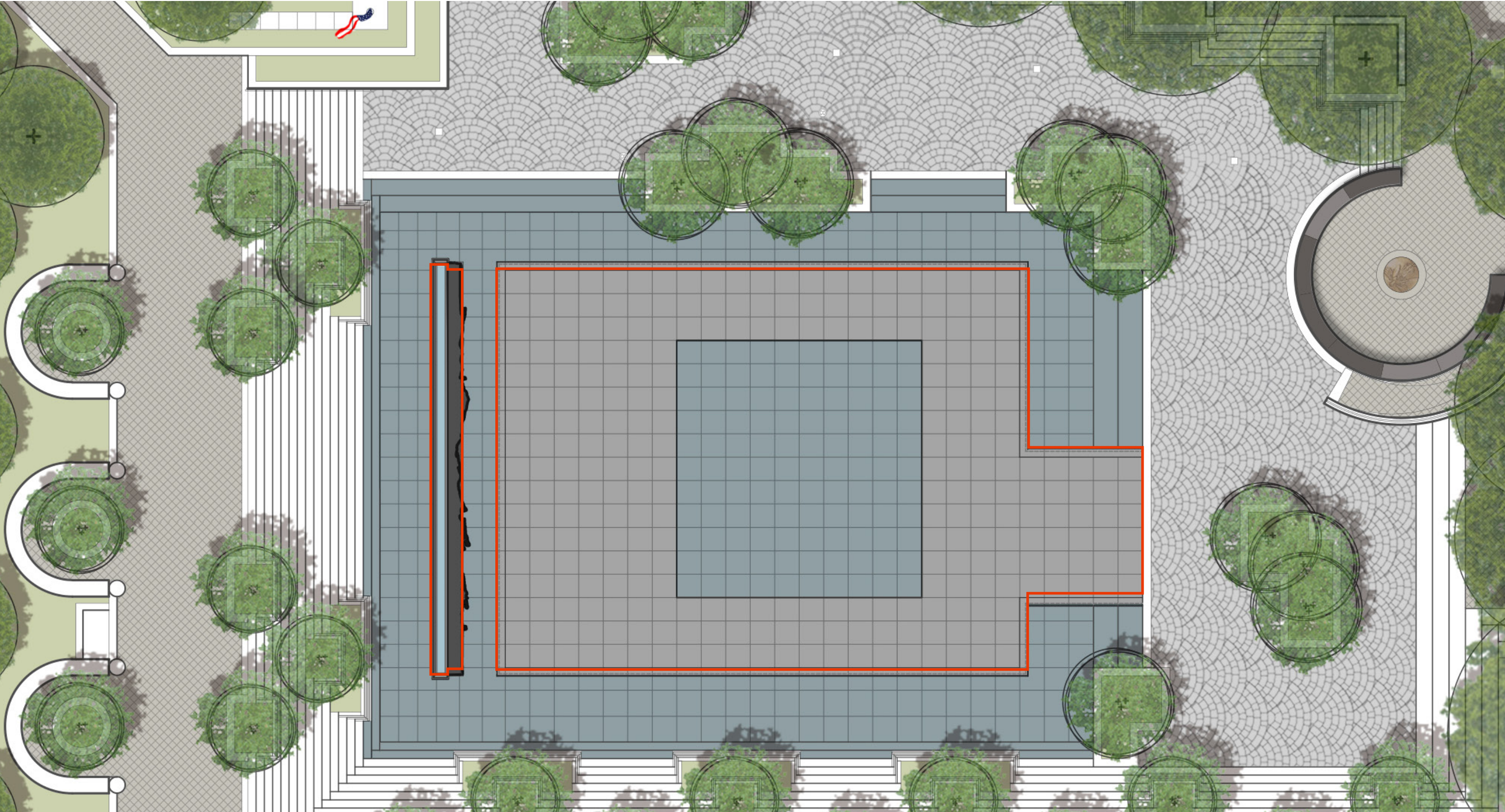
East Elevation



West Elevation

Orange outline represents extents of sculpture fountain at previously approved LENGTH

SCULPTURE FOUNTAIN: FIGURE HEIGHT
IMPACT ON SITE LAYOUT

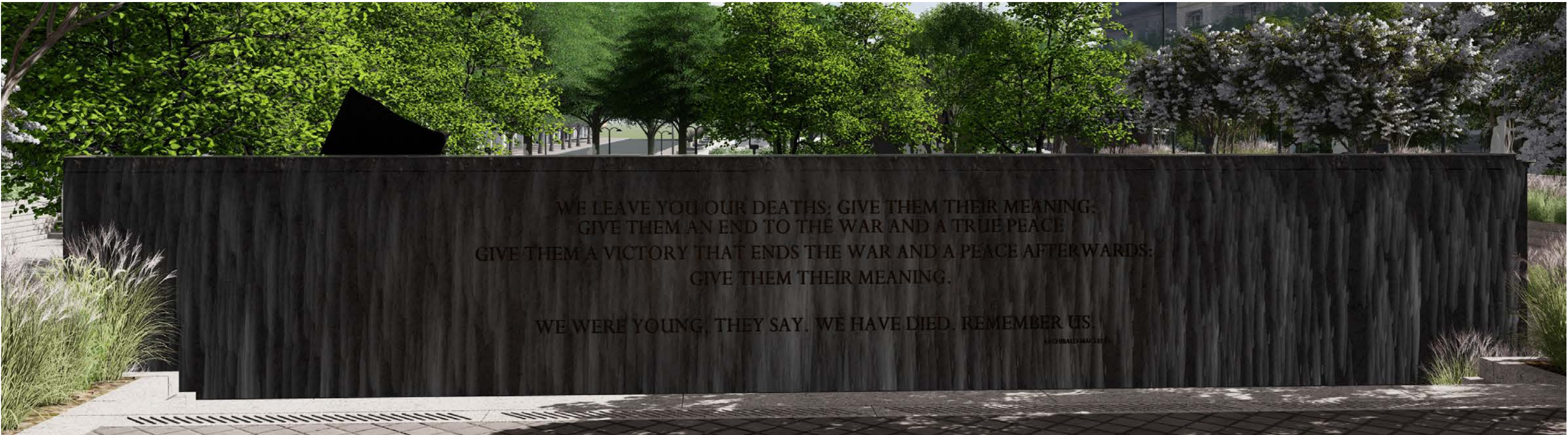
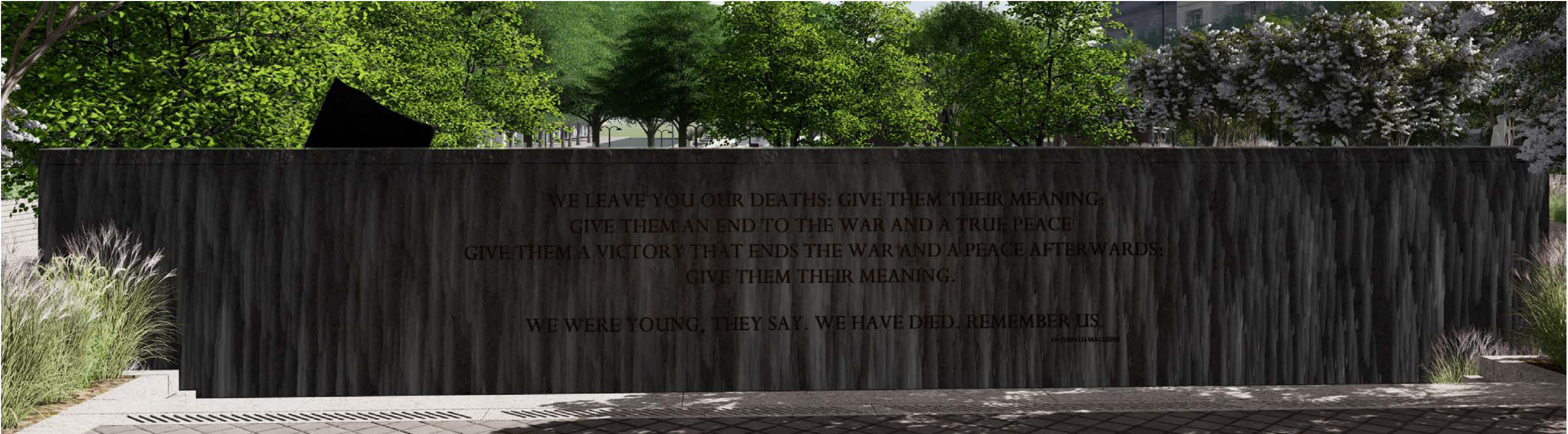


Orange outline represents extents of sculpture fountain and associated walkway relationships at previously approved **LENGTH** (bridge shifts slightly between options based on paving patterning associated with each length)

**SCULPTURE FOUNTAIN: FIGURE HEIGHT
IN CONTEXT COMPARISON**



SCULPTURE FOUNTAIN: FIGURE HEIGHT
IN CONTEXT COMPARISON



**SCULPTURE FOUNTAIN: FIGURE HEIGHT
IN CONTEXT COMPARISON**



SCULPTURE FOUNTAIN

REFINED CANTILEVERED CONCEPT WITH MONOLITHIC FOUNTAIN

Directives + Responses October 2018 CFA

- Strong preference for the option in which the bronze sculpture rests on a stone shelf projecting above a recessed linear waterfall paired with the monolithic stone wall on the west side
- Further developed the preferred option
- Recommended developing the light quality and ethereal character by making the stone shelf as thin as possible and further recessing the waterfall
- Coordinated with structural and fountain team to develop the narrowest internal profile possible to support the bronze sculpture and desired cascade effects
- Preference for the darker granite to match the Pershing Walls
- Pursued the use of the Carnelian granite to match the existing Pershing Walls



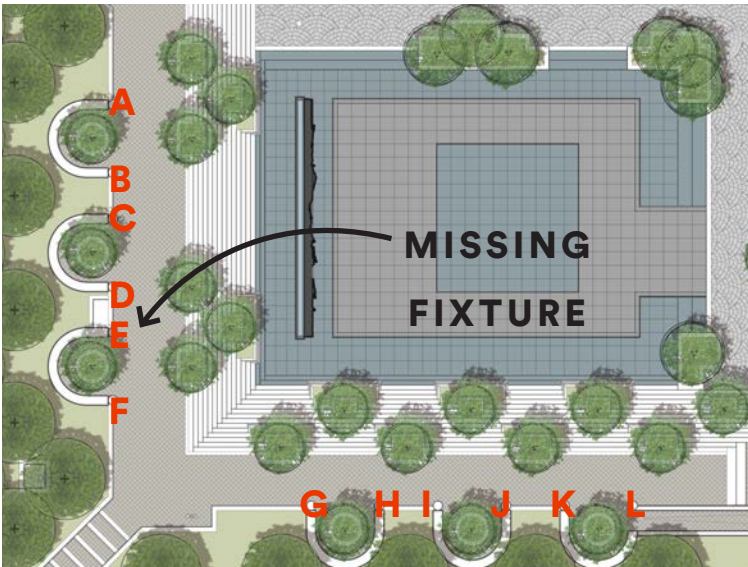
APPENDIX

EXISTING LIGHTING ASSESSMENT

SCULPTURE DETAILING + DIMENSIONS

FIGURE HEIGHT PRECEDENTS

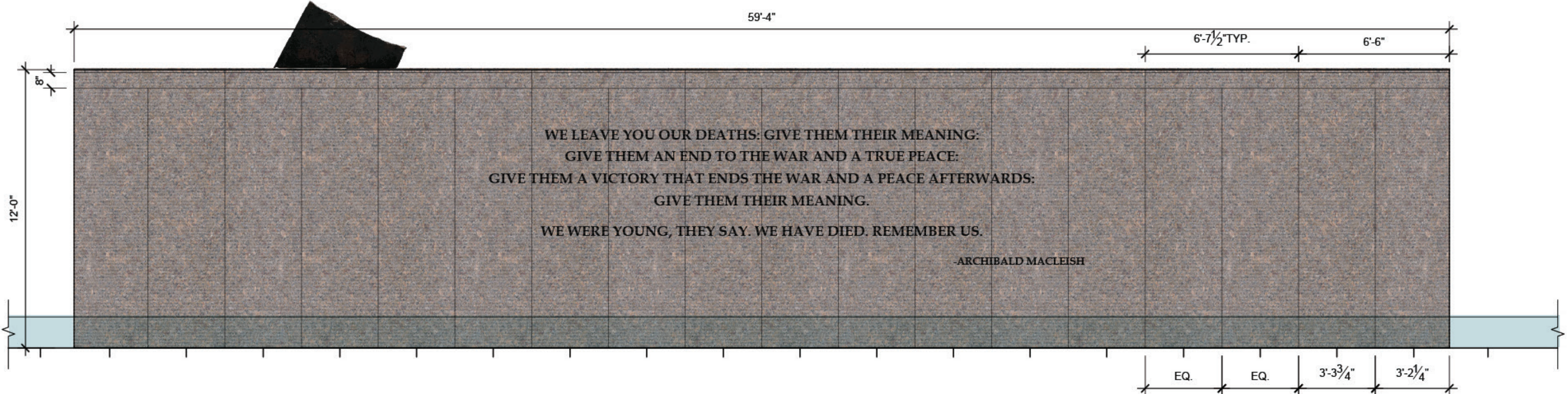
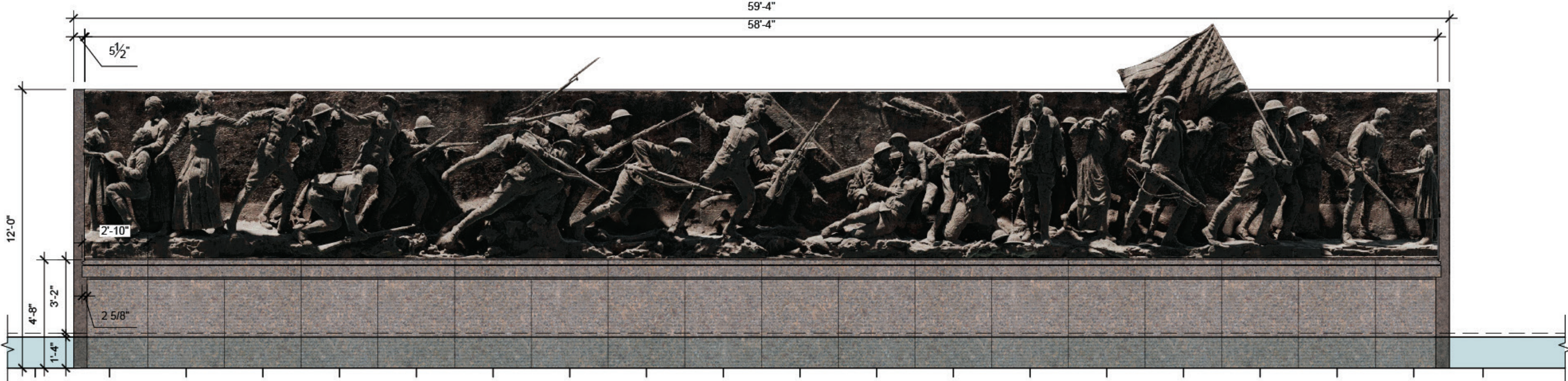
APPENDIX: EXISTING LIGHTING ASSESSMENT
EXISTING MULTI-GLOBE FIXTURES



Note: None of the existing multi-globe fixtures are currently operational

APPENDIX: SCULPTURE DETAILING

FIGURE HEIGHT 6'-6"



APPENDIX: SCULPTURE DETAILING

FIGURE HEIGHT 6'-6"

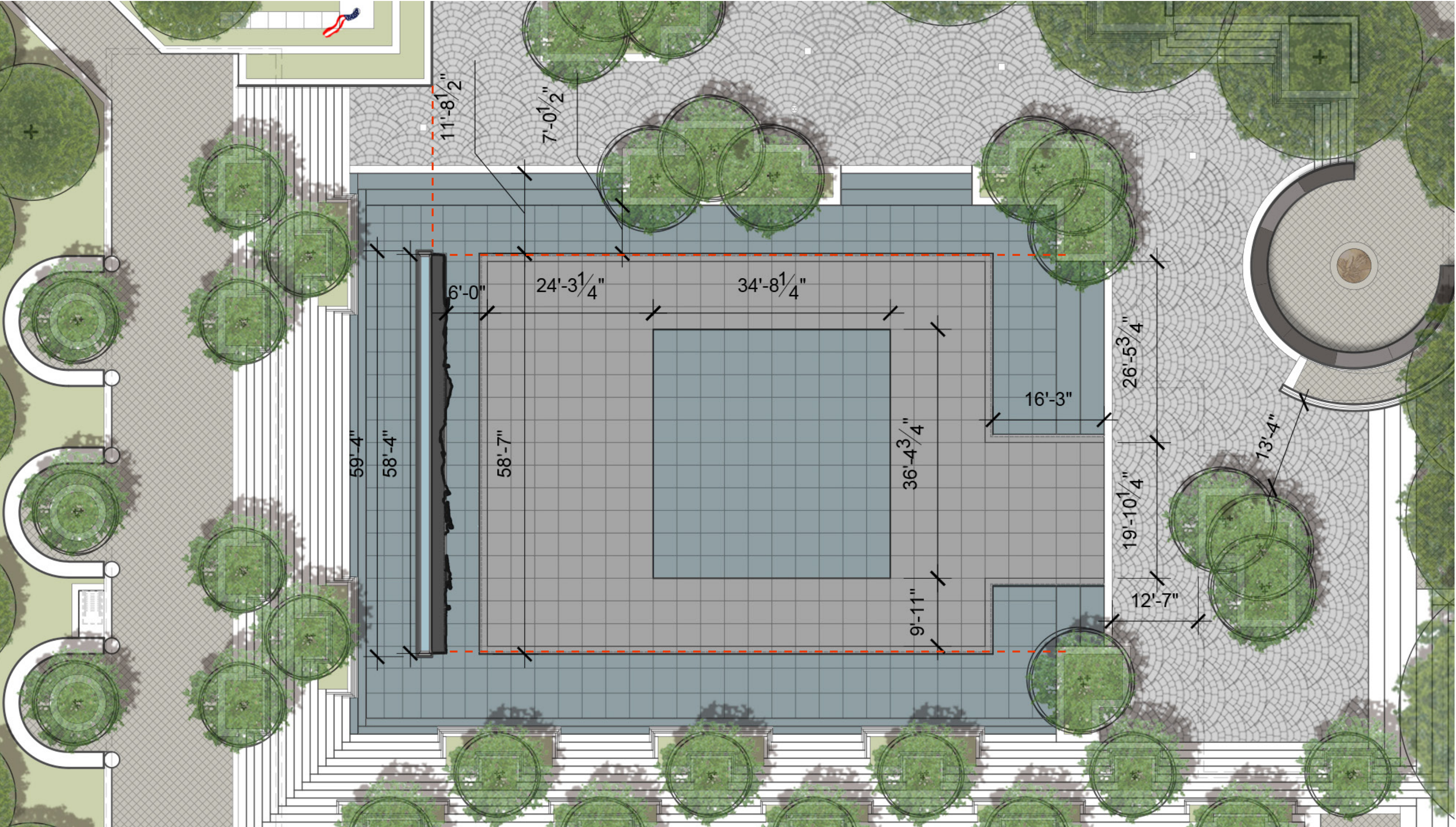
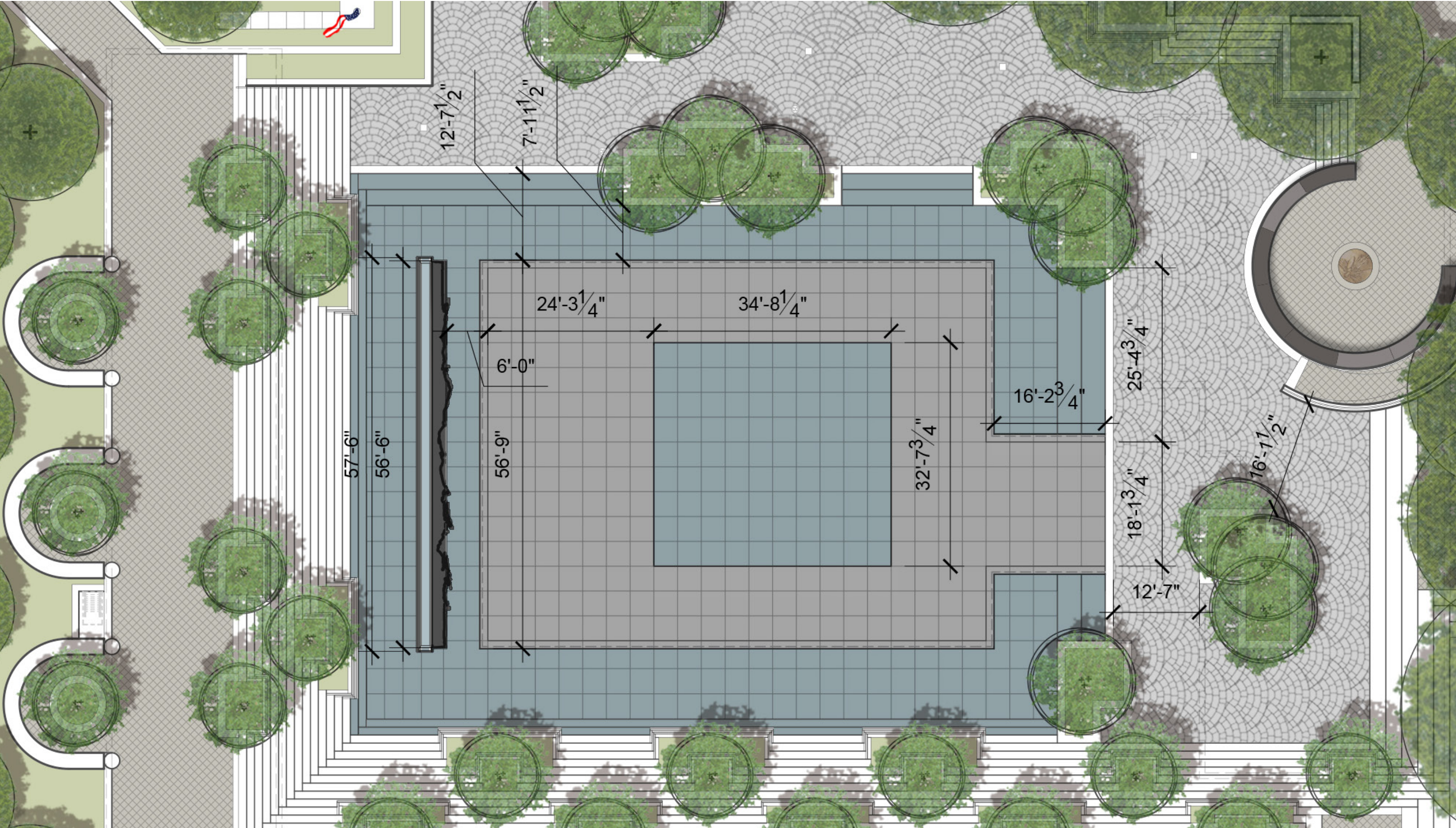


FIGURE HEIGHT 6'-2"



APPENDIX: SCULPTURE DETAILING

FIGURE HEIGHT 6'-2"



APPENDIX: FIGURE HEIGHT PRECEDENTS

OTHER D.C. MEMORIALS



UNITED STATES NAVY MEMORIAL
 BASE HEIGHT: 0'-4"
 FIGURE HEIGHT: 7'-0"



GENERAL PERSHING MEMORIAL
 BASE HEIGHT: 4'-0"
 FIGURE HEIGHT: 8'-0"



D.C. COURTS - LINCOLN STATUE
 BASE HEIGHT: 9'-4"
 FIGURE HEIGHT: 9'-0"



JOHN MARSHALL PARK
 BASE HEIGHT: 3'-2"
 FIGURE HEIGHT: 8'-0"



KOREAN WAR VETERANS MEMORIAL
 BASE HEIGHT: 0'-0"
 FIGURE HEIGHT: 7'-4"



VIETNAM VETERANS MEMORIAL
 BASE HEIGHT: 1'-0"
 FIGURE HEIGHT: 8'-0"



GRAND ARMY OF THE REPUBLIC
 BASE HEIGHT: 11'-0"
 FIGURE HEIGHT: 6'-6"



FRANKLIN DELANO ROOSEVELT MEMORIAL
 BASE HEIGHT: 0'-0"
 FIGURE HEIGHT: 5'-10"