

ADDRESS: 917-33 CHESTNUT ST

Proposal: Install LED screens and temporary event tent in courtyard

Review Requested: Final Approval

Owner: Thomas Jefferson University

Applicant: Christian Busch, 20th Century Preservation, LLC

History: Federal Reserve Building of Philadelphia, 1931; East wing and garden, 1941; Paul Cret, architect

Individual Designation: 9/26/1961

District Designation: None

Staff Contact: Kim Chantry, kim.chantry@phila.gov

BACKGROUND:

This application proposes to install an event tent and LED displays inside the Garden Court located within the former Federal Reserve Bank building complex at 10th and Chestnut Streets. Paul Cret designed the building and added the east wing and garden in 1941. Thomas Jefferson University, the owner of the property, intends to utilize the outdoor space for events of varying size. The proposed tent and LED displays will allow for flexibility of the site, and also for donor recognition, which is the driving force behind the LED displays. Much of the work proposed to bring a use to the Garden Court site was approved administratively by the staff, including lighting, fencing, paving, planters, and other minor site improvements. The two items remaining for review by the Architectural Committee and Historical Commission are the event tent and LED displays.

The application includes two videos to provide a walk-through simulation of the proposal. The video tours can be accessed at the following links: <https://youtu.be/dtYrlhCAHrc> and <https://youtu.be/RPUq6zIPKQ4>

SCOPE OF WORK

- Install event tent, to be in place 179 days during the year.
- Install 17 LED displays.

STANDARDS FOR REVIEW:

The Secretary of the Interior's Standards for the Treatment of Historic Properties and Guidelines include:

- *Standard 9: New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.*
 - The proposed event tent is temporary and will not destroy historic materials, features, and spatial relationships that characterize the property. The proposed LED displays, both moveable and fixed, are largely independent of the historic material and will not destroy historic fabric. However, the sheer quantity of LED displays may alter the features and spatial relationships of the Garden Court.
- *Standard 10: New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.*
 - The proposed event tent and LED displays can be removed in the future without impact to the historic integrity of the property.

STAFF RECOMMENDATION: Approval, provided the LED screens are reduced to the locations at the rear half of the courtyard, with the staff to review details, pursuant to Standards 9 and 10.



8 SEPTEMBER 2020

VIA ELECTRONIC MAIL
(Kim.Chantry@Phila.gov)

Ms. Kim Chantry
Historic Preservation Planner
Philadelphia Historical Commission
1515 Arch Street, 13th Floor
Philadelphia, PA 19102

PROJECT: TJU 925 CHESTNUT STREET, GARDEN COURT, [NO. 2017.04A]

RE: PHC APPLICATION REVIEW COVER LETTER

Dear Ms. Chantry:

Please find enclosed for review the *Philadelphia Historical Commission (PHC)* Submission Documents for the Event Tent & Donor Recognition Elements of the *Jefferson Garden Court Renovation*, located at 925 Chestnut Street (the former *Federal Reserve Bank of Philadelphia*), including Photos of Existing Conditions and Street Context, Color Renderings, 3D Animated Walk-through, and Design Documentation with Details and Product Data Sheets. Please let us know should you require any additional materials for the Staff review or in support of the Architectural Committee presentation.

HISTORICAL BACKGROUND

The former *Federal Reserve Bank* building is a significant Philadelphia landmark, designed and built over the course of several decades beginning in the early 1930's by renowned architect Paul Philippe Cret (1876-1945) and his successor firm *H2L2*. Situated on the northeast corner of 10th & Chestnut Streets in Center City, the complex of buildings is composed of five linked structures designed and constructed over a period of nearly a century. Most prominent of these additions is Cret's c1933 seven-story, neo-classical, marble clad edifice, with monumental bronze gridded windows, which fronts on Chestnut Street. Also notable is the c1941 six-story addition to the north and east, which provides the backdrop for a formal, paved Garden Court to the south, which is the subject of this application. This outdoor space contains a pair of symmetrical, marble clad Planters running south to north and terminating at the far end of the Court in a Reflecting Pool and marble Fountain of Triton, designed by Sculptor Donald De Lue (1897-1988), all of which is enclosed behind a decorative wrought iron Fence & Gate that also fronts on Chestnut Street.

ARCHIVAL RESEARCH

Archival research in the Cret Collection housed at *The Athenaeum of Philadelphia* proceeded the planning for this work and yielded extensive materials for Project #260-A, "Federal Reserve Bank of Philadelphia, Alterations & Extensions," including Photographs, Renderings, Sketches, Conceptual & Schematic Drawings, Cost Estimates, Specifications, Architectural, Structural, MEP and Landscape Drawings, as well as written Correspondence from the Client, Architect, Landscape Consultant, Contractors and Artisans involved in the work. Together, these materials paint a detailed picture of the design and construction process, yet they fail to shed any substantive light upon the intended use of the space, other than simply as a formal garden covering an underground parking garage.

PRESERVATION STEWARDSHIP

Jefferson's stewardship of the former *Federal Reserve Bank* of Philadelphia, stretches back nearly a quarter-century, beginning with the successful rehabilitation project along 10th Street that created a new ADA compliant Patient Drop-off, Entrance Lobby and Elevator Tower within an original secure Courtyard and Loading Dock of the Bank, and including the award-winning restoration of the original Yellin Gates that originally framed the entrance to that service space. Extensive maintenance to the Roofs, Facades and MEP Systems of 925 Chestnut Street has been undertaken

"SPECIALIZING IN THE PRESERVATION & RESTORATION OF THE 20TH CENTURY BUILT ENVIRONMENT"

over the intervening years. Now, the opportunity has arisen for TJU to transform the unused Chestnut Street Garden Court into a focal point for dynamic and vibrant activities in support of a vital function for the Institution, all while maintaining and restoring much of the historic fabric and character defining features of the architecture and landscape conceived by Architect Paul Cret c1941.

TRANSFORMATIVE USE

For a historically underutilized and rigidly formal exterior space, such as the Chestnut Street Garden Court, to be successfully tasked with a renewed use and purpose, it requires thoughtful changes that maintain the existing architectural integrity while transforming the space itself into the primary outdoor “destination” for Development Events held on *Jefferson’s* Center City Campus. Prior *PHC Staff* and *Commission* approvals stretching back over more than a decade have provided for new Entrances and Exits, an ADA Ramp, Circulation Paths, Paving, Landscaping and Lighting, all of which have set the stage for the final changes that will allow the space to successfully host functions that support the core missions of the Institution. The ability to create a sheltered space to support events of varying size, away from the noise and bustle of the city beyond, while also being able to recognize Donors for their contributions in bold and dynamic ways, are the two primary driving forces behind the new program. A custom Event Tent, designed and engineered specifically for the Garden Court, along with a suite of creative A/V Technology installations and solutions, tailored to fit within the limits set by the existing historic elements and character defining features, are proposed to bring about this transformation, lending to it a multitude of capabilities that expand the use and flexibility of the space in service of its new mission.

SHELTER & RECOGNITION

Shelter is the basic requirement of any outdoor gathering, and the proposed Event Tent is designed to create an expansive outdoor “room” to protect attendees from the elements for a range of functions, from informal social hours and presentations, to cocktail parties and formal dinners. The Tent will be substantial enough to allow events to be held there for nearly six months out of the year, yet it can be taken down completely, leaving no permanent trace of its presence, until the following season when it is re-erected. Careful choices have been made to minimize the impact of the structure when it is in place, including the concealment of counter-weights, tie-downs, and other accessories, as well as the selection of a translucent roof, which allows for daylight conditions inside the Tent.

The A/V Technologies proposed have been designed to create a striking visual impact through a combination of dynamic and programmable media, the intent of which is to highlight and recognize Donors by name, for their contributions to the long-term stewardship and economic health of an important Philadelphia Institution. The proposed solutions will also provide advanced presentation capabilities featuring a fully-integrated audio system supporting a variety of LED Displays and Monitors that, in combination, provide the required flexibility for Event coordination, programming, messaging, and themes, at varying scale and complexity. The Technology as conceived allows audio and visual materials to be tailored to individual events and audiences, showing content on a combination of LED Displays of varying size and location, as a series of static images or a single animated graphic. Such cutting-edge visual technology can create a contrasting juxtaposition with classical architectural elements, yet all of the Displays designed for installation within the space have been carefully and thoughtfully tailored to the limits of form provided by the existing historical architecture. All of these technology solutions will be key elements of the Donor Recognition experience, which in turn is critical to the new mission and use of the Garden Court as *Jefferson’s* primary outdoor location for Development Events on Campus.

THOUGHTFUL CHANGES

Both the proposed Event Tent and the Donor Recognition Technologies have been carefully considered to minimize or eliminate permanent physical or visual impact to the historic fabric of the character defining features of the Garden Court. Actual removal of historic fabric has been greatly limited or completely eliminated. In addition, all of the proposed interventions will be fully reversible in the future, at such time as the technology has reached its useful life expectancy and requires replacement or removal. All of the choices that have gone into the research, planning and design of these solutions consider the long-term preservation and stewardship of the former *Federal Reserve Bank* building while at the same time fulfill their critical role in re-energizing this long unused, historical outdoor space for use in supporting *Jefferson’s* core missions.

Ms. Kim Chantry, *HPP*
Phila. Historical Commission
TJU 925 Chestnut Street,
Garden Court Application
20CP#2017.04A

8 SEPTEMBER 2020
Page 3 of 3

In consideration of the enclosed documents and the supporting narrative provided above, we request review of our Application by the *Philadelphia Historical Commission* at the regular September Meeting.

Thank you for your assistance and for providing us with the opportunity to submit this Application.

Sincerely,



20th Century Preservation, LLC
Christian A. Busch, *Principal*

Enclosures

(via Dropbox: <https://www.dropbox.com/sh/c5o3zpipde5kj09/AADiq3-uJtddHpJokq-YhZlxa?dl=0>)
/cab

cc: Eve Kootchick, Associate, *The Olin Studio*, (ekootchick@theolinstudio.com)
Susan Lucci, Director of Design-PA, *New Era Technology*, (Susan.Lucci@NewEraTech.com)
File #2017.04A

APPLICATION FOR BUILDING PERMIT



CITY OF PHILADELPHIA
DEPARTMENT OF LICENSES AND INSPECTIONS
MUNICIPAL SERVICES BUILDING – CONCOURSE
1401 JOHN F. KENNEDY BOULEVARD
PHILADELPHIA, PA 19102
For more information visit us at www.phila.gov/li

APPLICATION # _____

(Please complete all information below and print clearly)

ADDRESS OF PROPOSED CONSTRUCTION:

917-33 ("925") Chestnut Street, Philadelphia, PA 19107

APPLICANT:

Christian A. Busch, Principal
COMPANY NAME
20th Century Preservation, LLC

PHONE # 610.636.6843 FAX # 610.649.3732

PROPERTY OWNER'S NAME:

JPMA LP

PHONE # 215.665.7000 FAX # 215.665.7001

ARCHITECT/ENGINEER IN RESPONSIBLE CHARGE

Skip Graffam, FASIA, LEED AP (BD+C)
ARCHITECT/ENGINEERING FIRM:

THE OLIN STUDIO

PHONE # 215.440.0030 FAX # 215.440.0041

CONTRACTOR:

T.B.D.

CONTRACTING COMPANY:

PHONE # _____

FAX # _____

APPLICANT'S ADDRESS:

154 Sutton Road
Ardmore, PA 19003-3117

LICENSE # _____ E-MAIL: cabusch@20cp.com

PROPERTY OWNER'S ADDRESS:

411 North 20th Street
Philadelphia, PA 19130

ARCHITECT/ENGINEERING FIRM ADDRESS:

150 S. Independence Mall West, Suite 1123
Philadelphia, PA 19106

LICENSE # _____ E-MAIL: sgraffam@theolinstudio.com

CONTRACTING COMPANY ADDRESS:

LICENSE # _____

E-MAIL: _____

USE OF BUILDING/SPACE

Medical Office Building (MOB)

ESTIMATED COST OF WORK

\$ T.B.D.

BRIEF DESCRIPTION OF WORK:

Exterior Renovations to c1941 Exterior 'Garden Court':

(1) EVENT TENT: Temporary Installation of Fabric & Aluminum Tent for Jefferson (TJU) Development Functions
(179 Days/Year or less);

(2) DONOR RECOGNITION: Installation of Seventeen (17) Custom LED Visual Displays (both portable & fixed)
for the purpose of TJU Donor Recognition, and an Audio System for supporting A/V Presentations;

All proposed work as per attached Construction Documents approved by the Philadelphia Historical Commission
(PHC). (Note: Separate permits required for Plumbing and Electrical work).

TOTAL AREA UNDERGOING CONSTRUCTION: Garden Court: 7,000 square feet

COMPLETE THESE ITEMS IF APPLICABLE TO THIS APPLICATION:

OF NEW SPRINKLER HEADS (suppression system permits only): _____ LOCATION OF SPRINKLERS: _____

OF NEW REGISTERS/DIFFUSERS (hvac/ductwork permits only): _____ LOCATION OF STANDPIPES: _____

IS THIS APPLICATION IN RESPONSE TO A VIOLATION? NO YES VIOLATION #: _____

All provisions of the building code and other City ordinances will be complied with, whether specified herein or not. Plans approved by the Department form a part of this application. I hereby certify that the statements contained herein are true and correct to the best of my knowledge and belief. I further certify that I am authorized by the owner to make the foregoing application, and that, before I accept my permit for which this application is made, the owner shall be made aware of all conditions of the permit. I understand that if I knowingly make any false statement herein I am subject to such penalties as may be prescribed by law or ordinance.

APPLICANT'S SIGNATURE: _____

DATE: 9 / 9 / 20



Ira Brind Garden

REVISIONS TO STAFF APPROVED DESIGN

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September 8, 2020

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Alena Norton Livia Sheldon
Dickson Jiya Rice Sarah Ramirez
Tom Webber Billie Castillo
Dr. Elise Mcquire M.D.
Daryl Winter Dr. Shane Walker
D.D.S. Nisha Davidson

Castillo Dr. Elise Mcquire M.D.
Daryl Winter Dr. Shane Walker
D.D.S. Nisha Davidson

Care Philanthropy
Lawrence H. Cassa
Adele Keeling
Shirley Wells

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Site & Historical Context P. 4

A) Fence, Gates & Skate Deterrents P.10
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (8/7/2020)

B) Paving P.11
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (8/7/2020)

C) Planters P.12
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (5/21/2019)

D) Donor Plaques P.13
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (5/21/2019)

E) Planting..... P.14
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (5/21/2019)

F) Lighting P.15
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (8/7/2020)

G) Event Tent P.16
STAFF APPROVED 'IN CONCEPT' (5/21/2019)

H) Donor Recognition P.22



Image 1: Site Location, north of Chestnut Street and East of 10th Street



Image 3: Site Aerial View of Streetscape, North Side of Chestnut Street



Image 2: View looking North of c1941 Cret Garden Court, East of former Federal Reserve Bank of Philadelphia



Image 4: Streetscape View, looking East along the North side of Chestnut Street



Image 5: Streetscape View, looking West along the North side of Chestnut Street

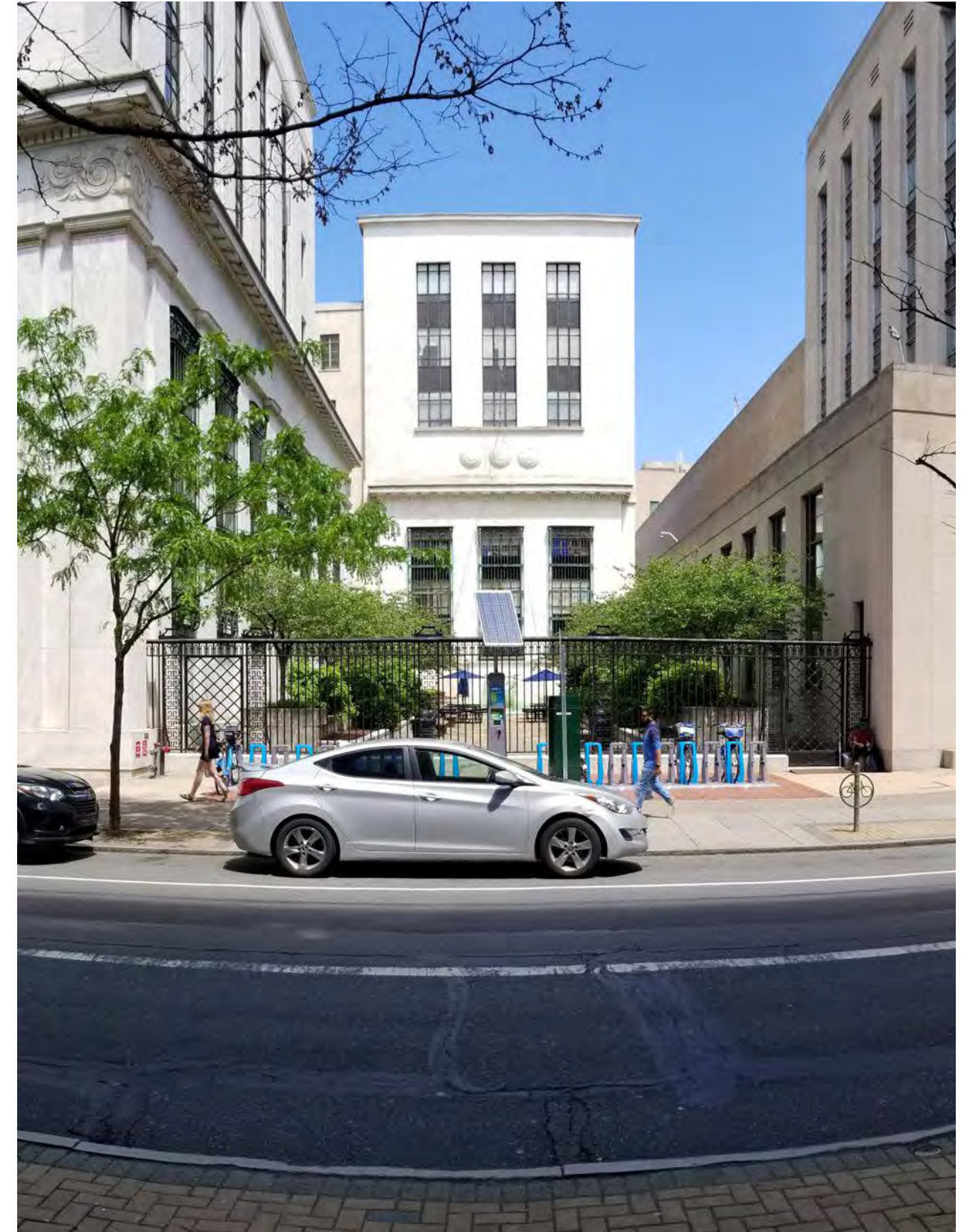


Image 6: Streetscape View, looking North across Chestnut Street into Garden Court at 925 Chestnut Street.

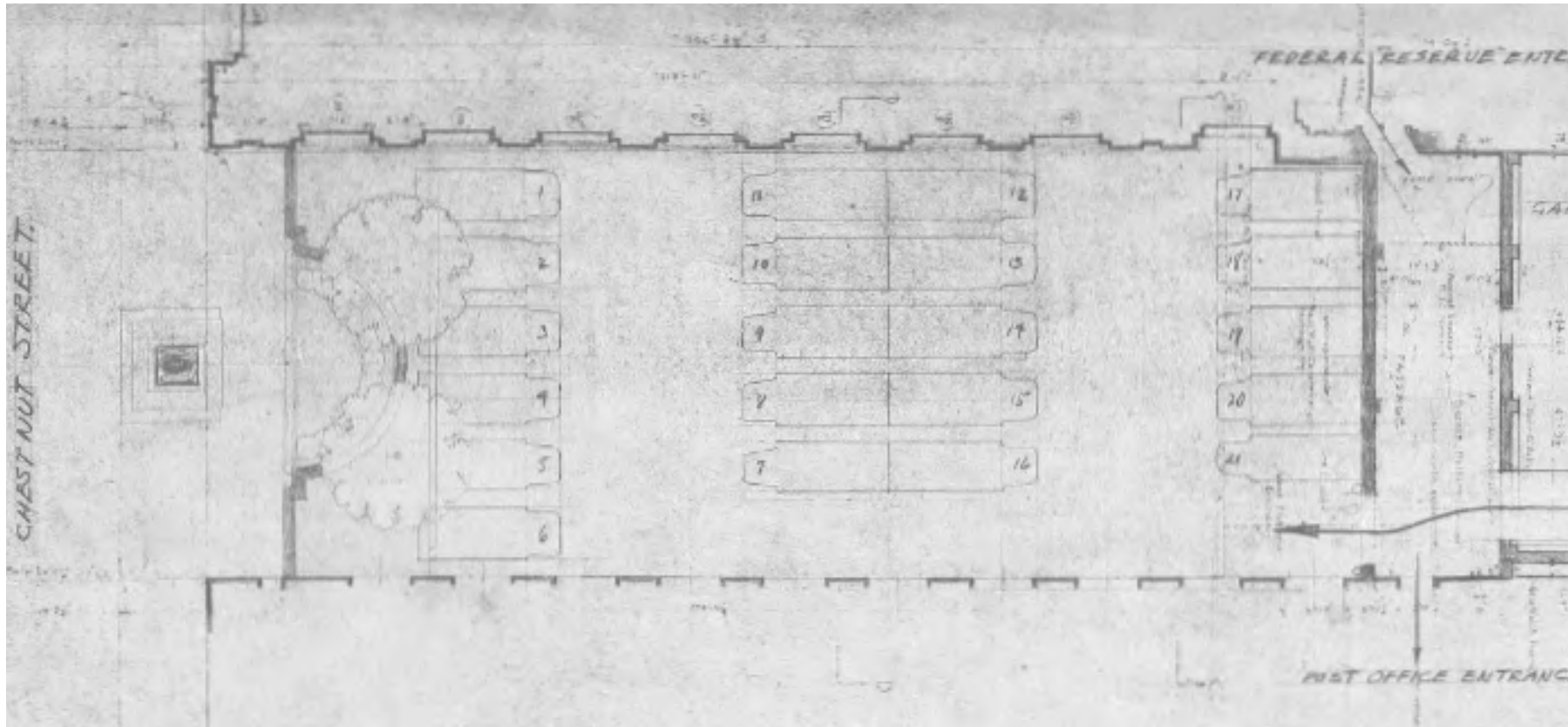


Image 7: Early Cret Schematic Drawing, developing design option for Surface Parking Court, (11/17/1933)



Image 8: Historic Photo showing existing Garden Court from Chestnut Street

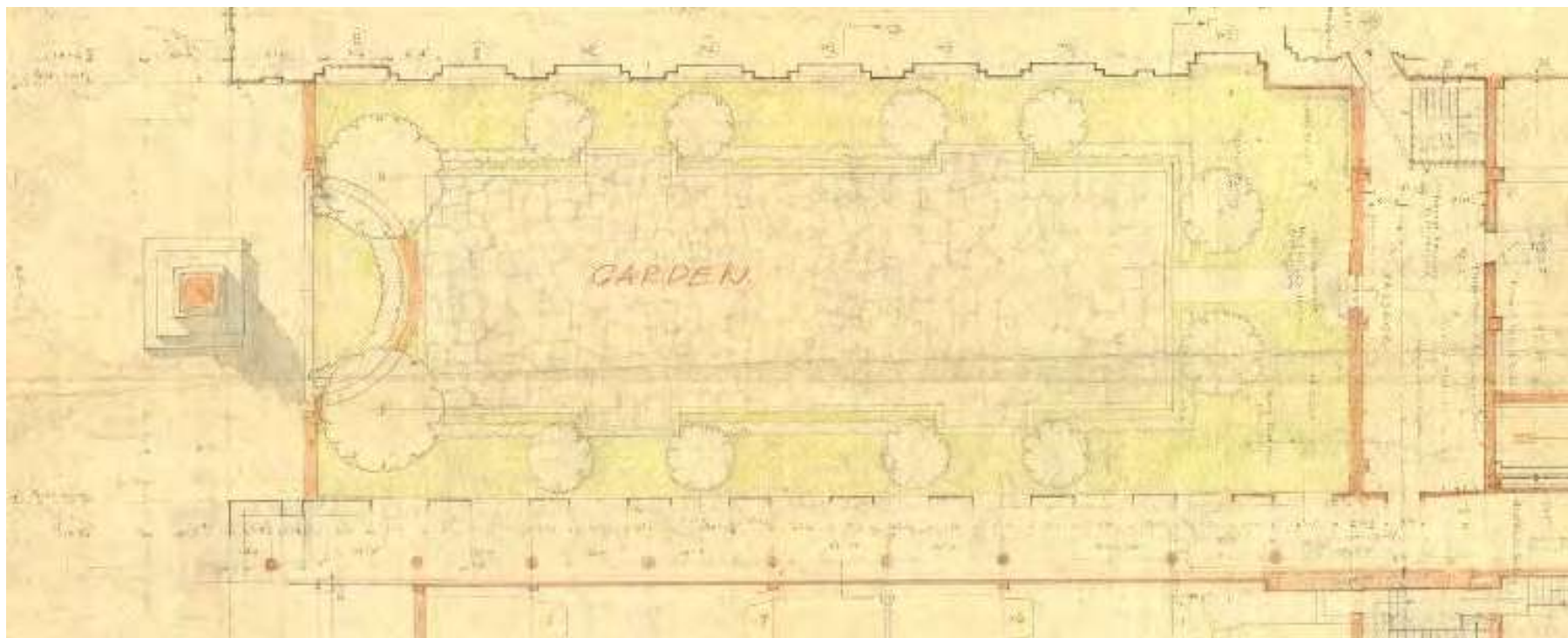


Image 9: Early Cret Schematic Drawing, developing design option for Garden Court over underground parking, (11/17/1933)

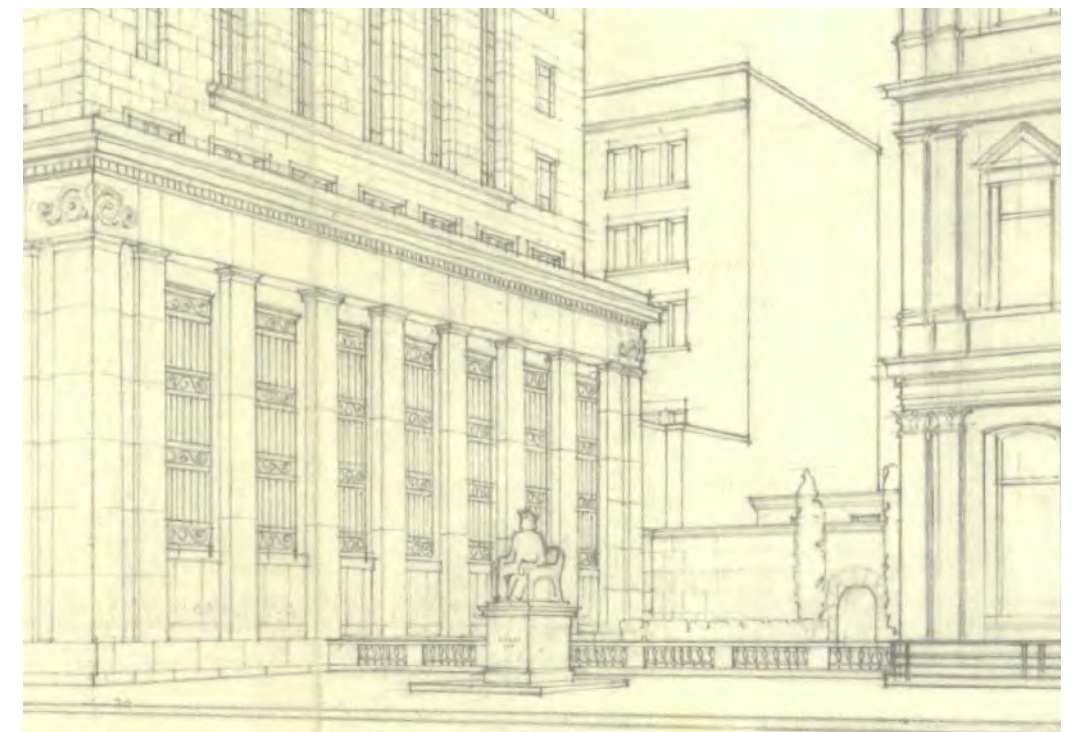


Image 10: Early Cret Presentation Rendering showing view of Garden Court from Chestnut Street

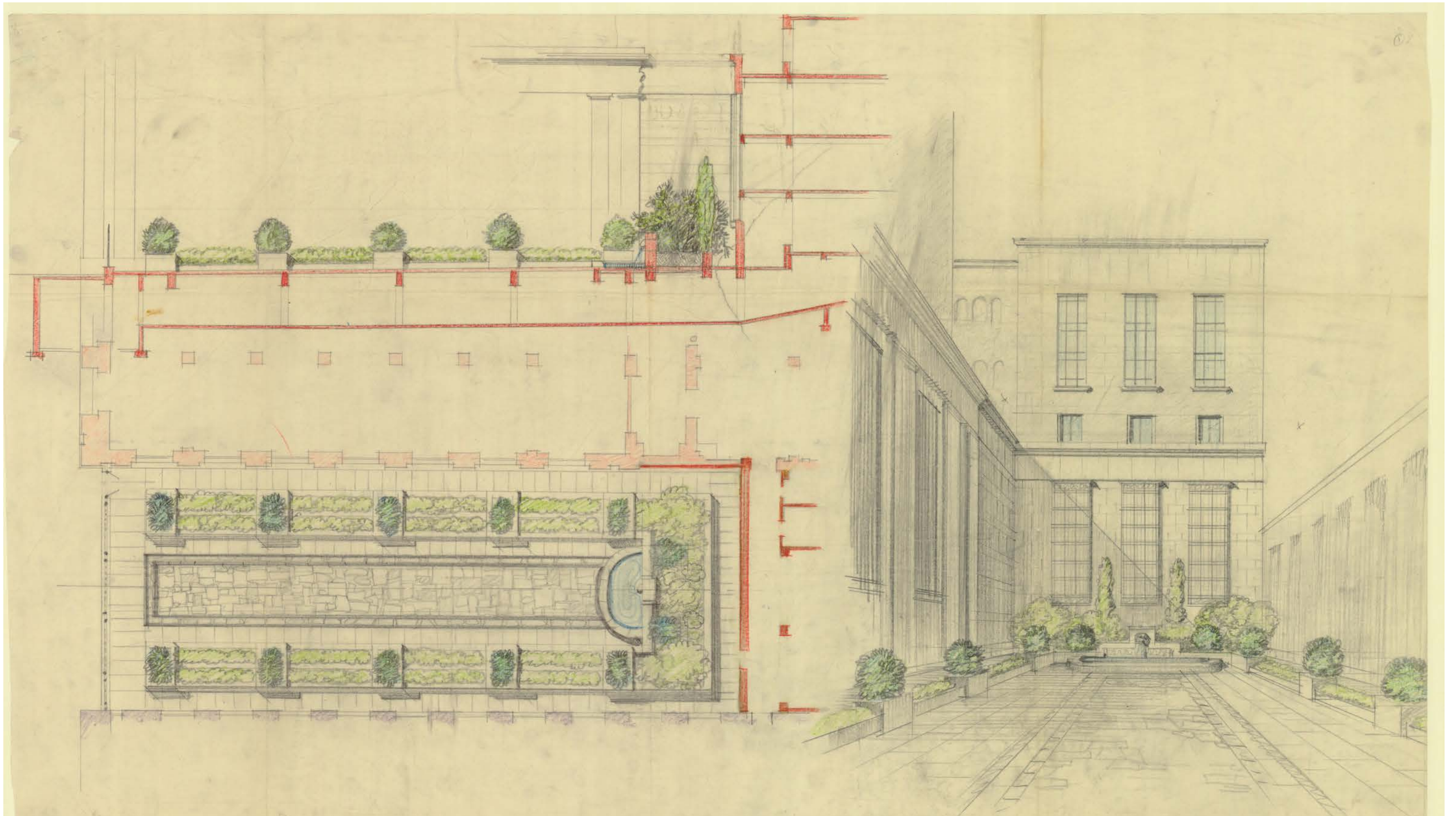


Image 11: Later Cret Presentation Drawings showing further development of Garden Court, including Symmetrical Planter Arms and Central Decorative Fountain

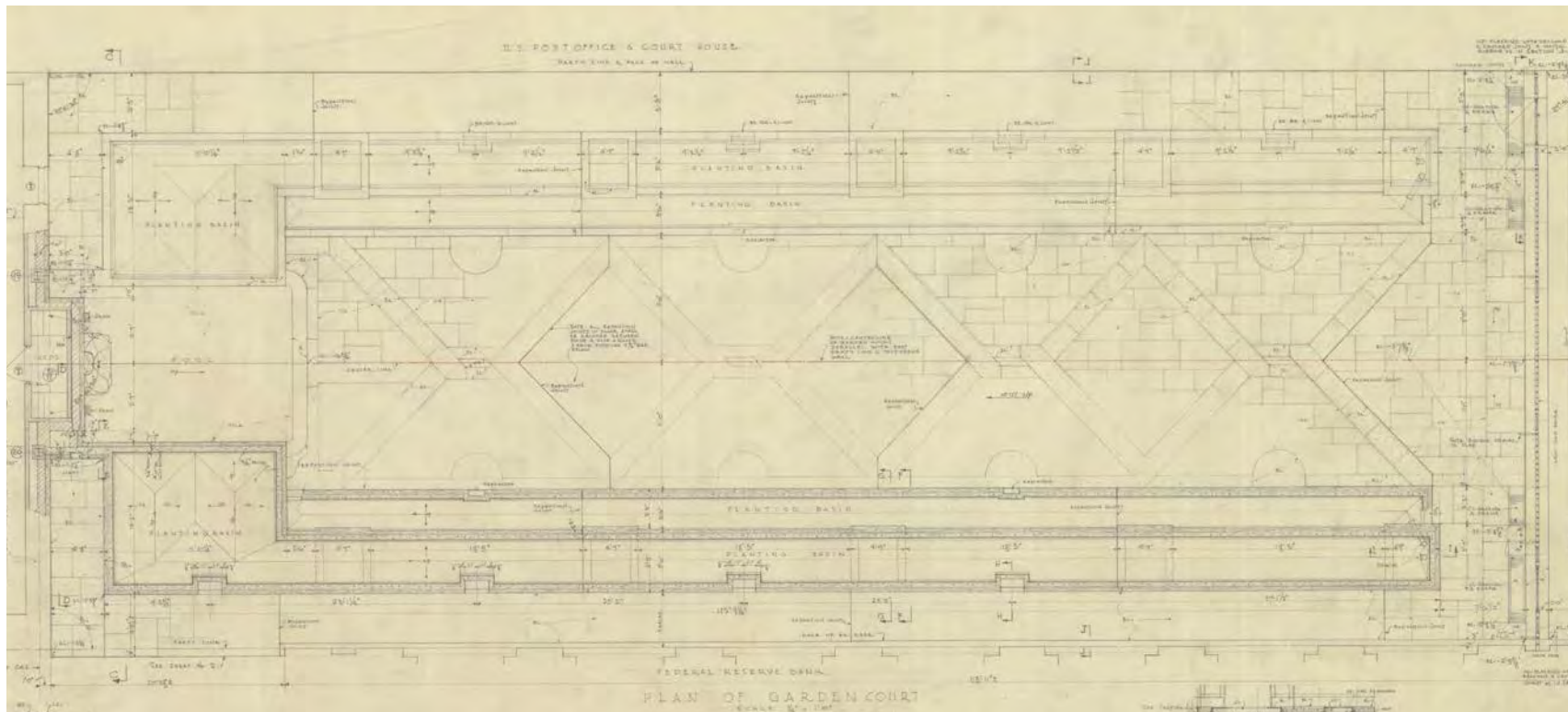


Image 12: Later Cret Architectural Drawing showing the final design for the Garden Court, (10/28/1940)

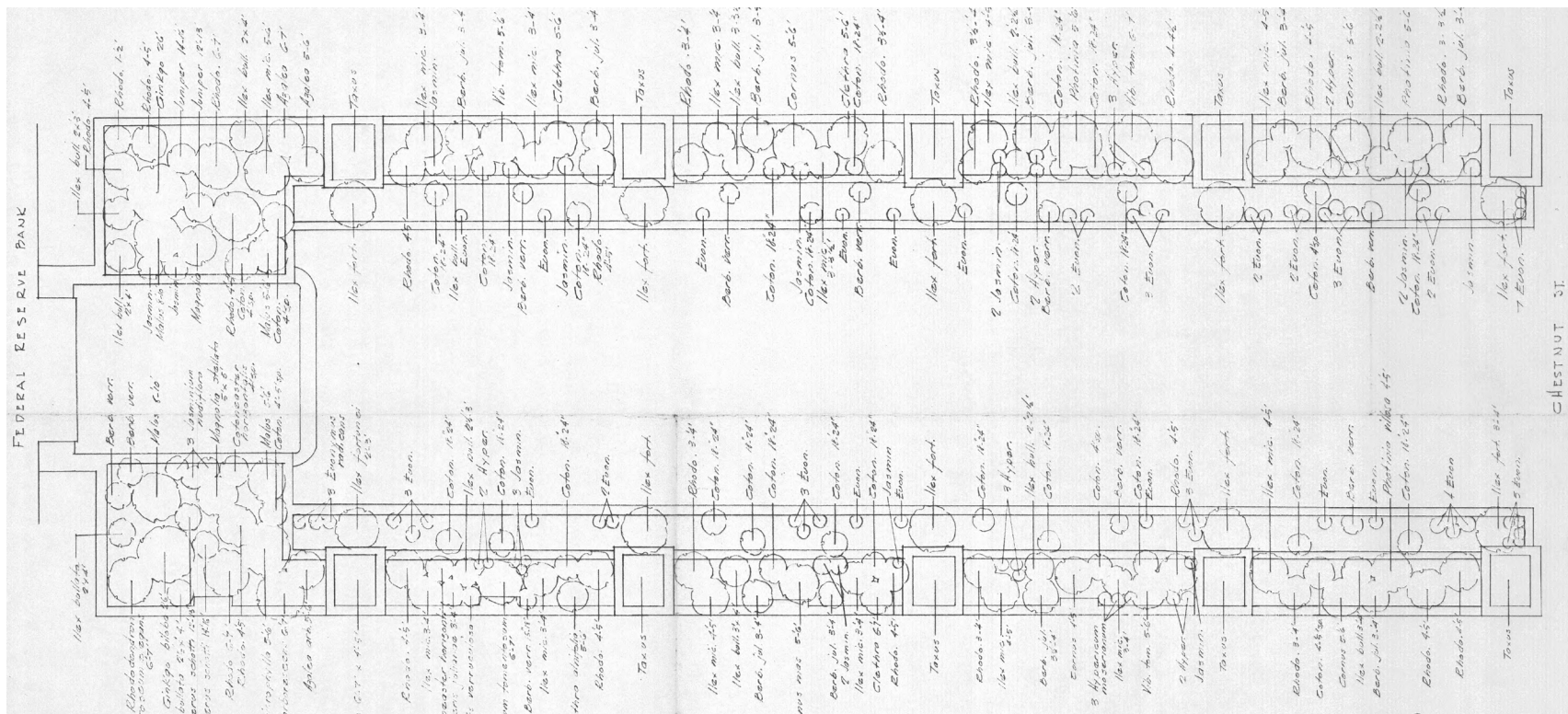


Image 13: Historic Landscape Drawing of the Garden Court planting design by Cret and Wells, (5/20/1941)

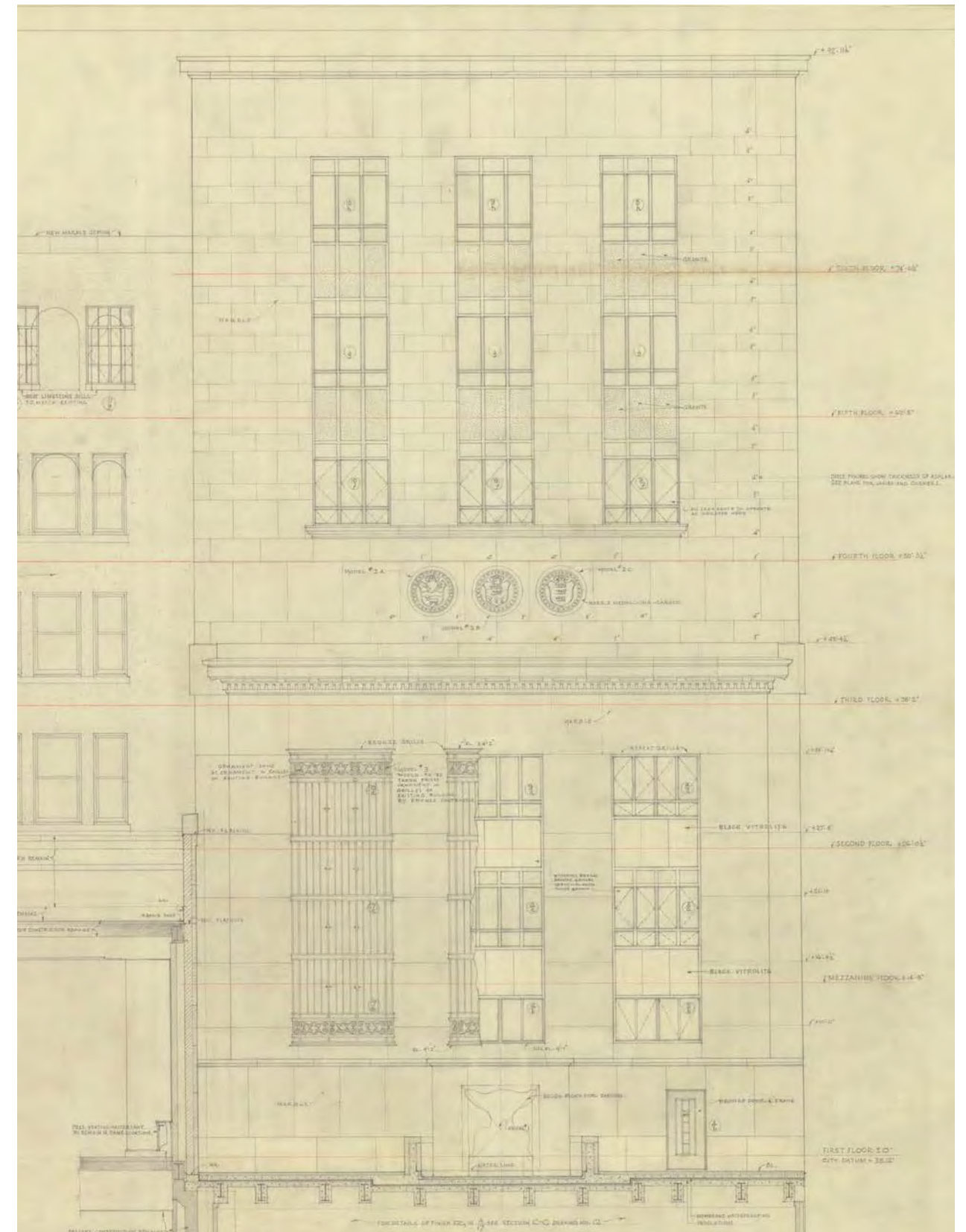


Image 14: Later Cret Architectural Drawing of South Elevation & Fountain at the north end of the Garden Court, (10/28/1940)

Catering/Event Staff Circulation



Guest Circulation

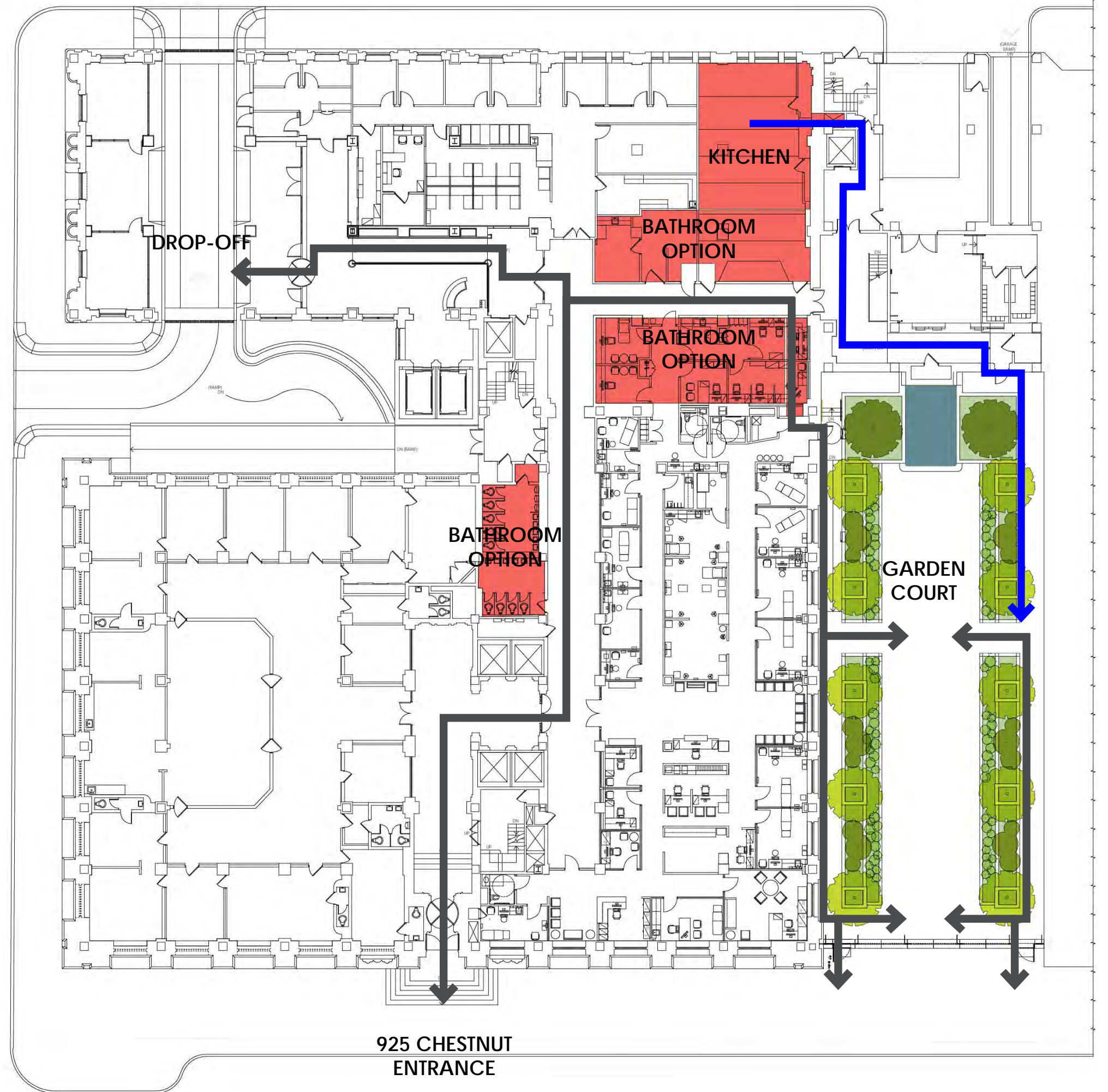


Image 15: Proposed Circulation Enhancements to support new use of Garden Court as Fundraising event Space.

USE CONCEPT



A) FENCE, GATES & SKATE DETERRENTS
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (8/7/2020)



B) PAVING
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (8/7/2020)



C) PLANTERS
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (5/21/2019)



**D) DONOR PLAQUES
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (5/21/2019)**



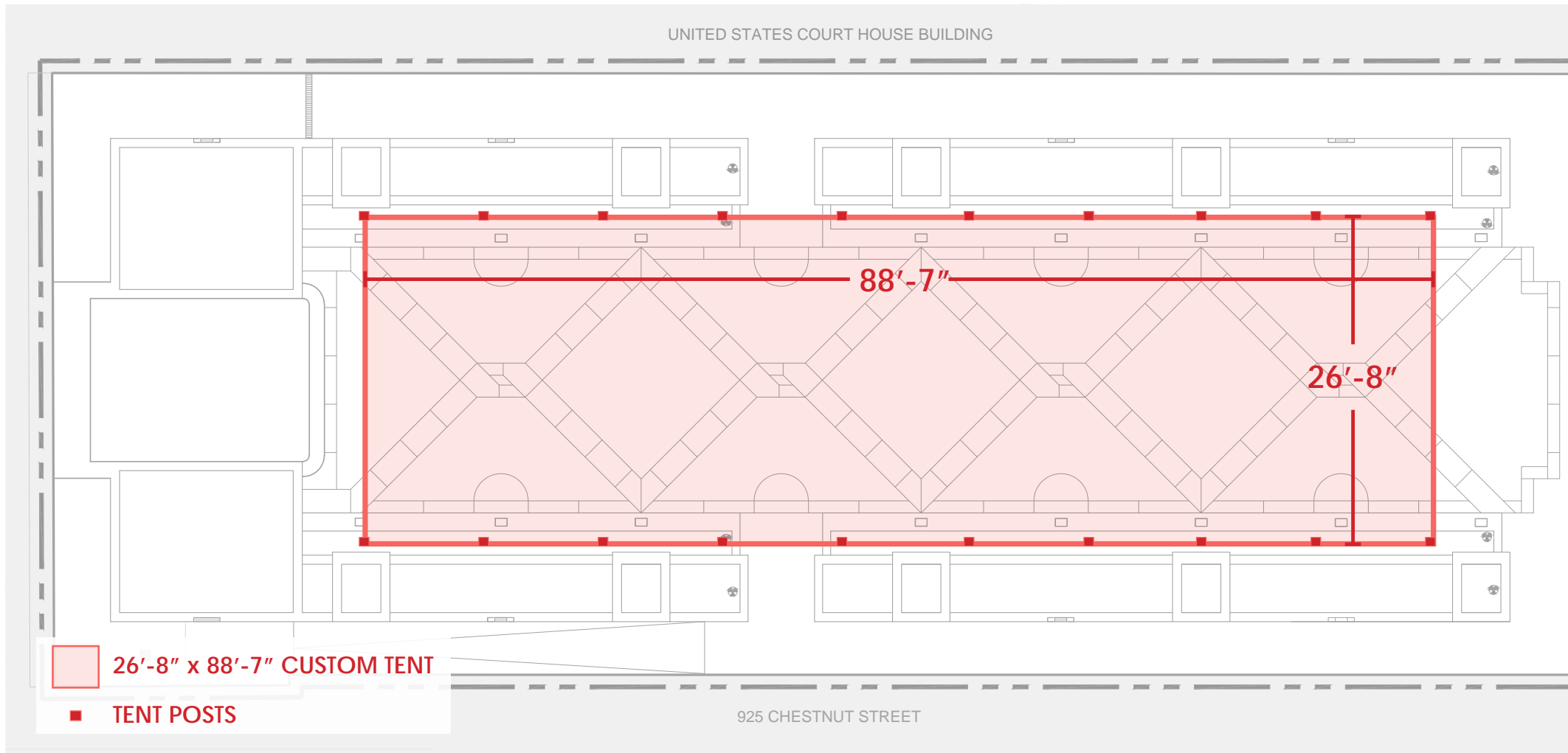
E) PLANTING
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (5/21/2019)



F) LIGHTING
NOT INCLUDED IN THIS SUBMISSION, STAFF APPROVED (8/7/2020)



G) EVENT TENT
STAFF APPROVED 'IN CONCEPT' (5/21/2019)



EVENT TENT

There are no existing temporary or permanent structures that can provide ample shelter from the elements to attendees at events that might be held within the Garden Court. Such a tent or covering would need to span the roughly 2,200 SF area (22' x 100') area between the two Planter wings.

The proposed concept for the rehabilitation of the Garden Court includes accommodations for erecting a temporary, custom, fabric 'tent' enclosure with a clear roof and supporting structural aluminum framework, including permanent anchor points recessed into the lower planter walls.

To comply with City regulations, the proposed temporary tent structure will only be in place for 179 days during the year.

Image 16: Proposed Location of Event Tent and Anchor locations

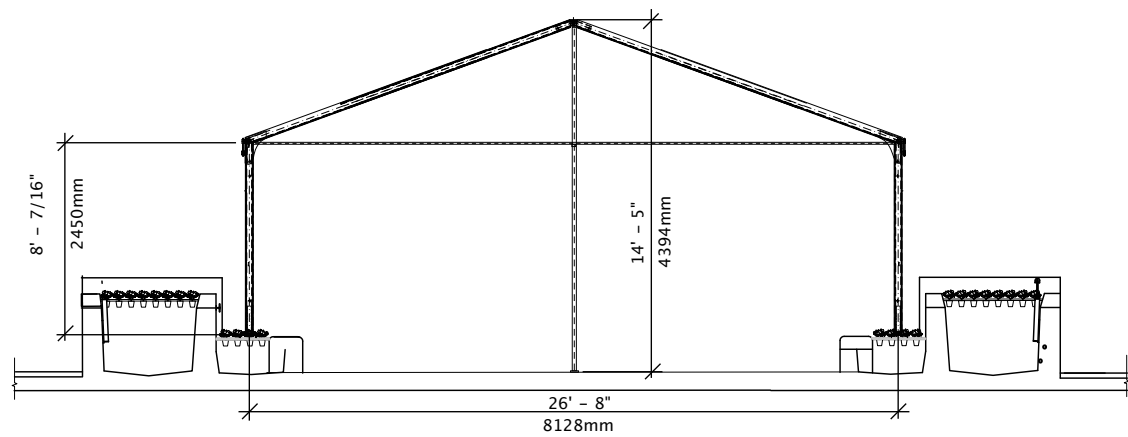
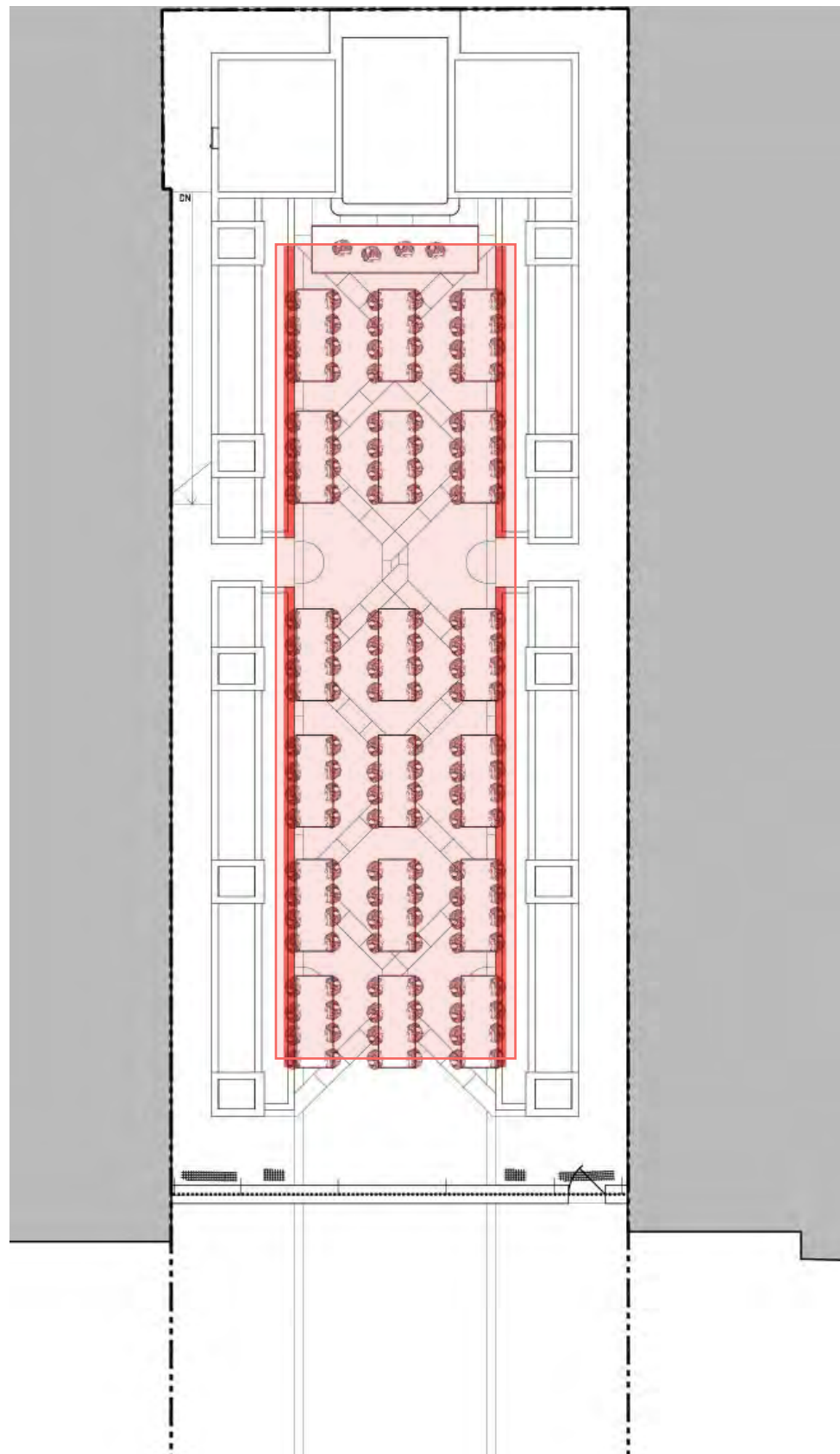
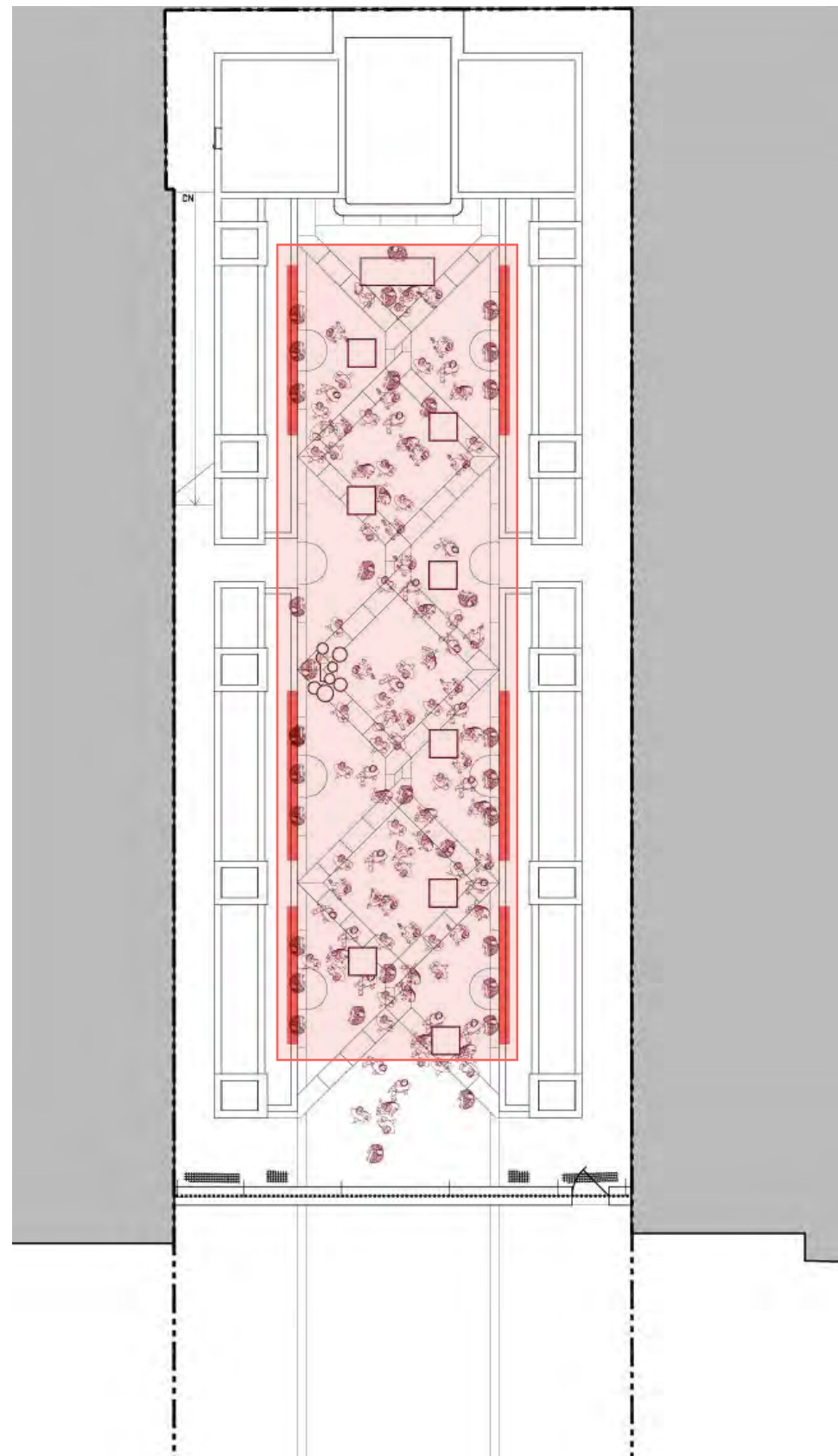


Image 17: Elevation of relationship between Garden Court and tent; Image 18: Precedent image of a temporary tent with clear roof

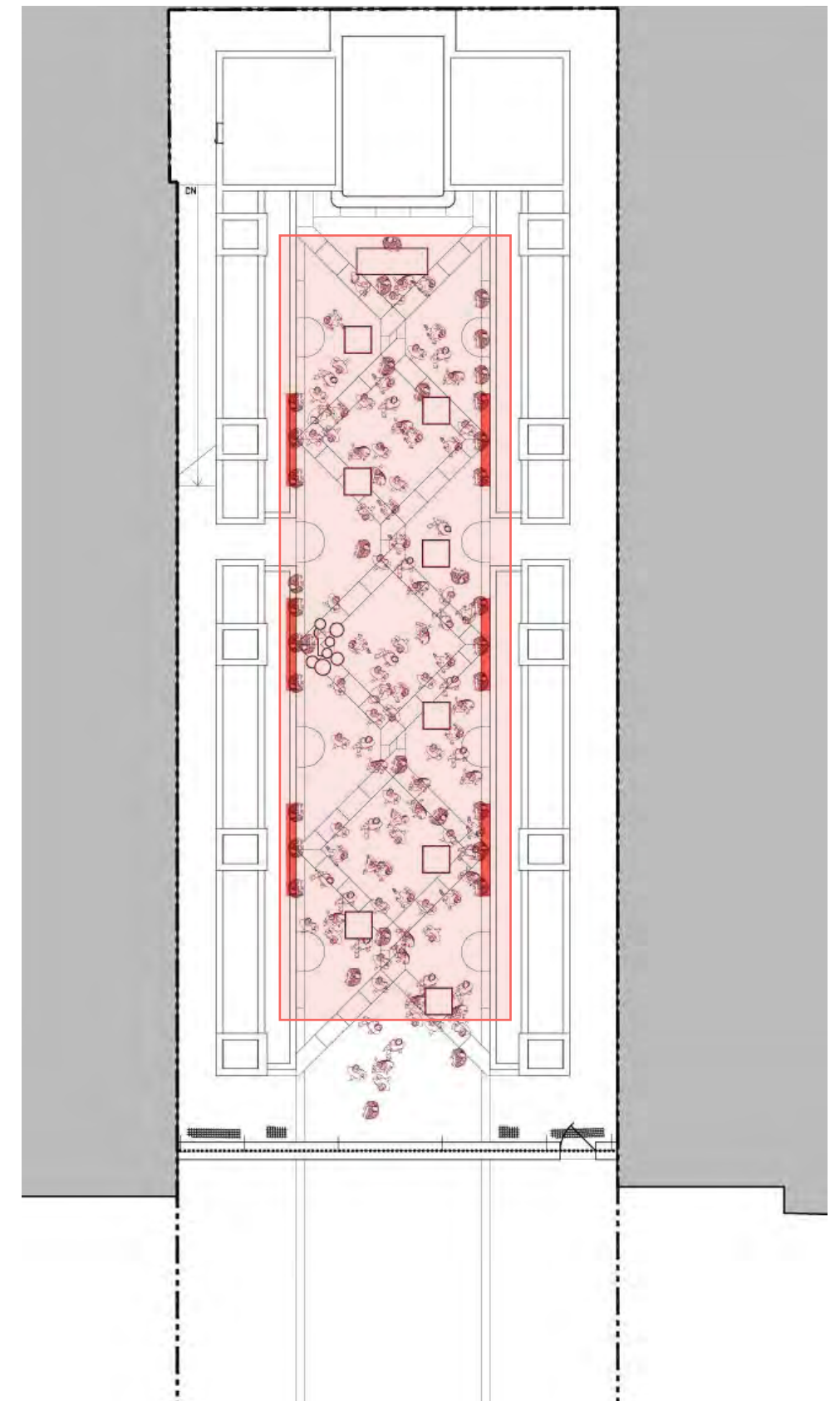
TEMPORARY TENT LOCATION



FORMAL DINNER
144 GUESTS



COCKTAIL HOUR
150 GUESTS



INFORMAL SOCIAL HOUR
100 GUESTS

Image 19-21: Diagram showing Proposed Event Sizes
EVENT TENT

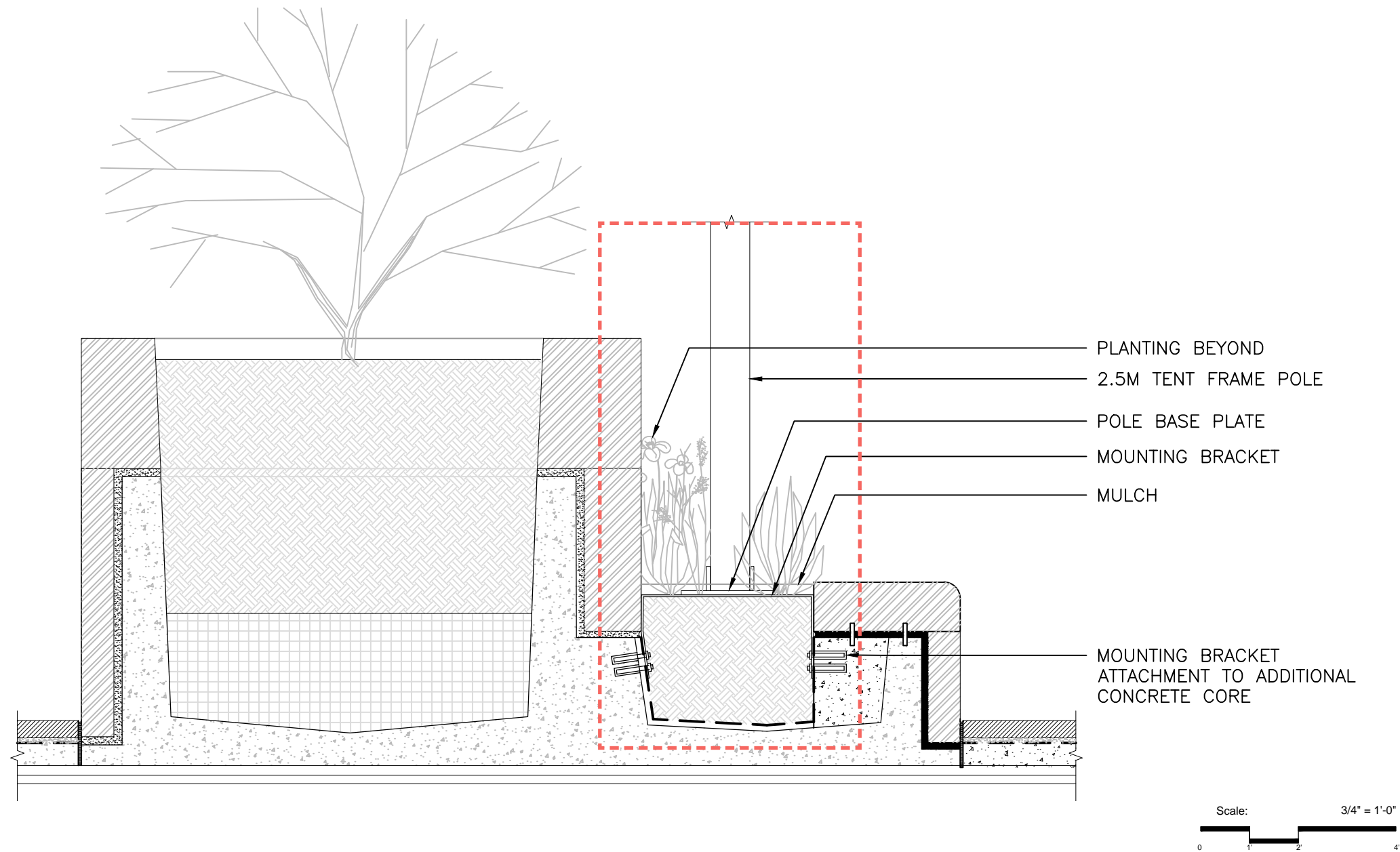


Image 22: Construction section detail showing the Stainless Steel Tent Base Plate affixed to the concrete core walls of the Lower Planter, (typical condition)



Image 23: View looking north of the Garden Court in Summer showing the proposed Tent with clear roof installed.



Image 24 Birds Eye View looking NW of the proposed Event Tent with clear roof in the Garden Court.

EVENT TENT



H) DONOR RECOGNITION

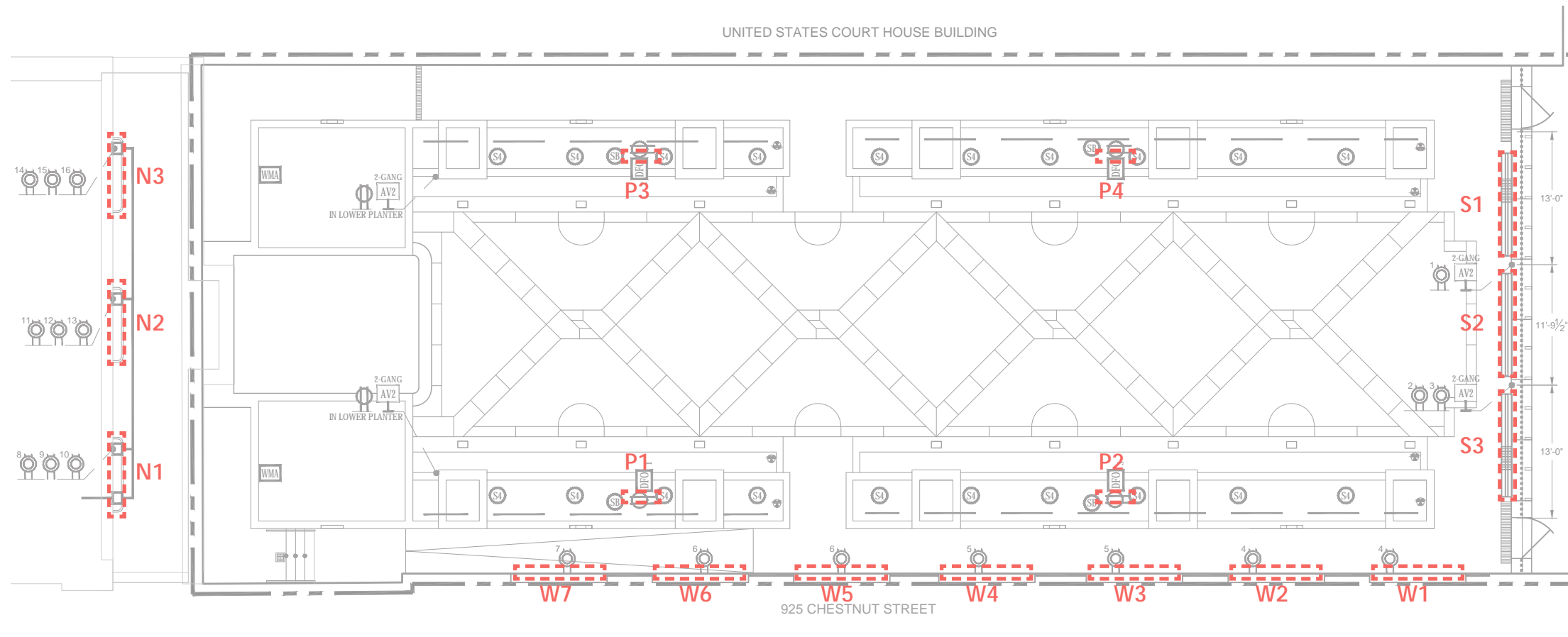


Image 25: Plan drawing detailing the location and type of Donor Recognition displays, (S1-3, W1-7, P1-4 & N1-3) and supporting devices.

DONOR RECOGNITION

For a historically underutilized and purely ornamental space to be tasked with a new use and renewed purpose, Paul Cret's c1941 Garden Court, adjacent to the (former) Federal Reserve Bank of Philadelphia, requires change to transform it into the primary outdoor "destination" for Development Events held on Jefferson's Center City Campus. Donor Recognition is a driving requirement of the program and a suite of A/V installations and technology is proposed that will be transformative, bringing with it a multitude of capabilities to expand the use and flexibility of the space in service of its new mission. First, it creates a striking visual impact, the primary intent of which is to highlight and recognize the Donors who contribute to the long-term stewardship and economic health of an important Philadelphia institution. As designed, these technologies also provide advanced presentation capabilities featuring a fully-integrated audio system supporting a variety of LED Displays and Monitors, that in combination create the required flexibility for Event coordination, programming, messaging, and themes, at varying scale and complexity. However, the design and product selection for each individual intervention proposed within the historic Garden Court has been made with careful consideration for the balance between technical capabilities and a respect and deference for the both the architectural character and historical significance of an important work by a preeminent Philadelphia architect.

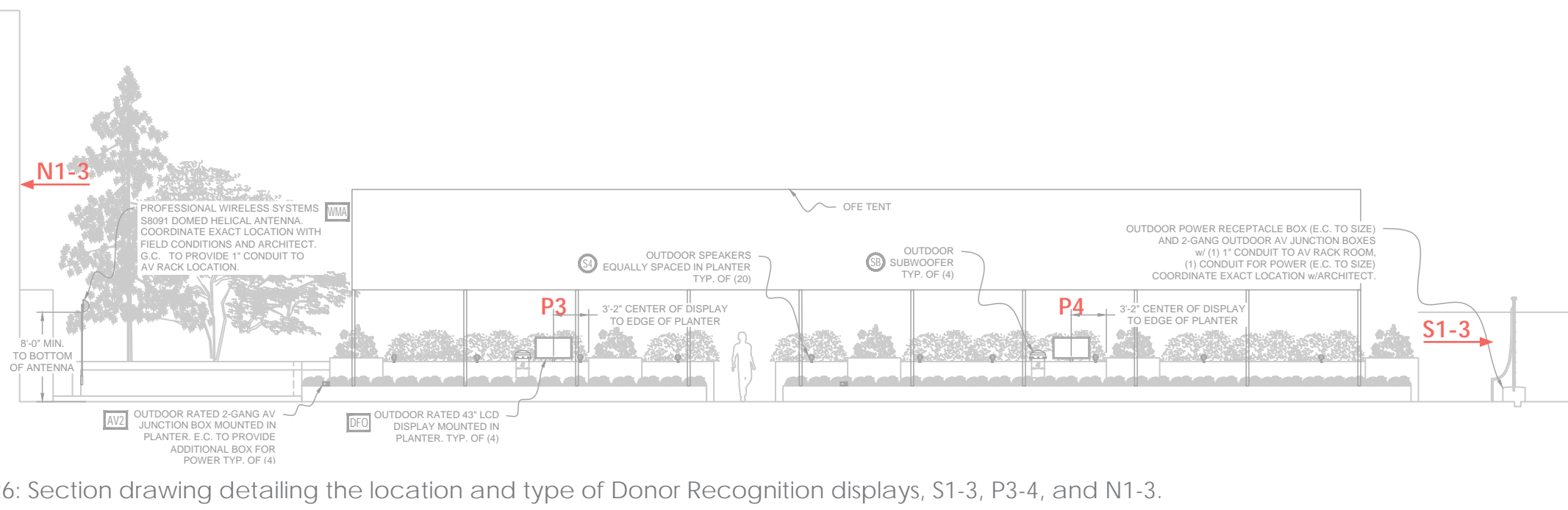


Image 26: Section drawing detailing the location and type of Donor Recognition displays, S1-3, P3-4, and N1-3.

SOUTH LED DISPLAYS, (S1-3)

The purpose of these three custom, movable LED Displays (S1-3) is to provide a visual “screen” of programmable content related to specific Events and Donor Recognition between the Garden Court and the sidewalk and street beyond. Similar to the physical barrier created along the south end by the historic Fence & Gates, the visual barrier established by these Displays is also “perforated” allowing pedestrians passing by to see into the space. However, when the Displays are illuminated, it will be difficult for participants within the Garden Court to see out past them, creating a private “retreat” away from the noise and bustle of the city beyond.

These portable LED Displays will be independent of the historic marble Curb, wrought iron Fence and stone Paving adjacent to their locations, in terms of attachment and mounting. They have been sized to fit through the existing Gates and are mounted on integral bases with casters so that they can be wheeled in and out of the space as needed. Each Display will have an independent wiring harness to “plug” into dedicated, hardwired A/V & Power Supplies. The Displays will be fastened to the Fence by four stainless steel, quick-connect anchor points with adjustable turnbuckles, which are fully removable. In addition, the portability of the Displays makes even their visual impact on the Garden Court completely reversible. As a result, they will have virtually no permanent physical impact on the character-defining historic fabric of the Garden Court. (NOTE: See Product Data Sheets attached for Displays and associated Hardware, with PHC Staff to review final details).

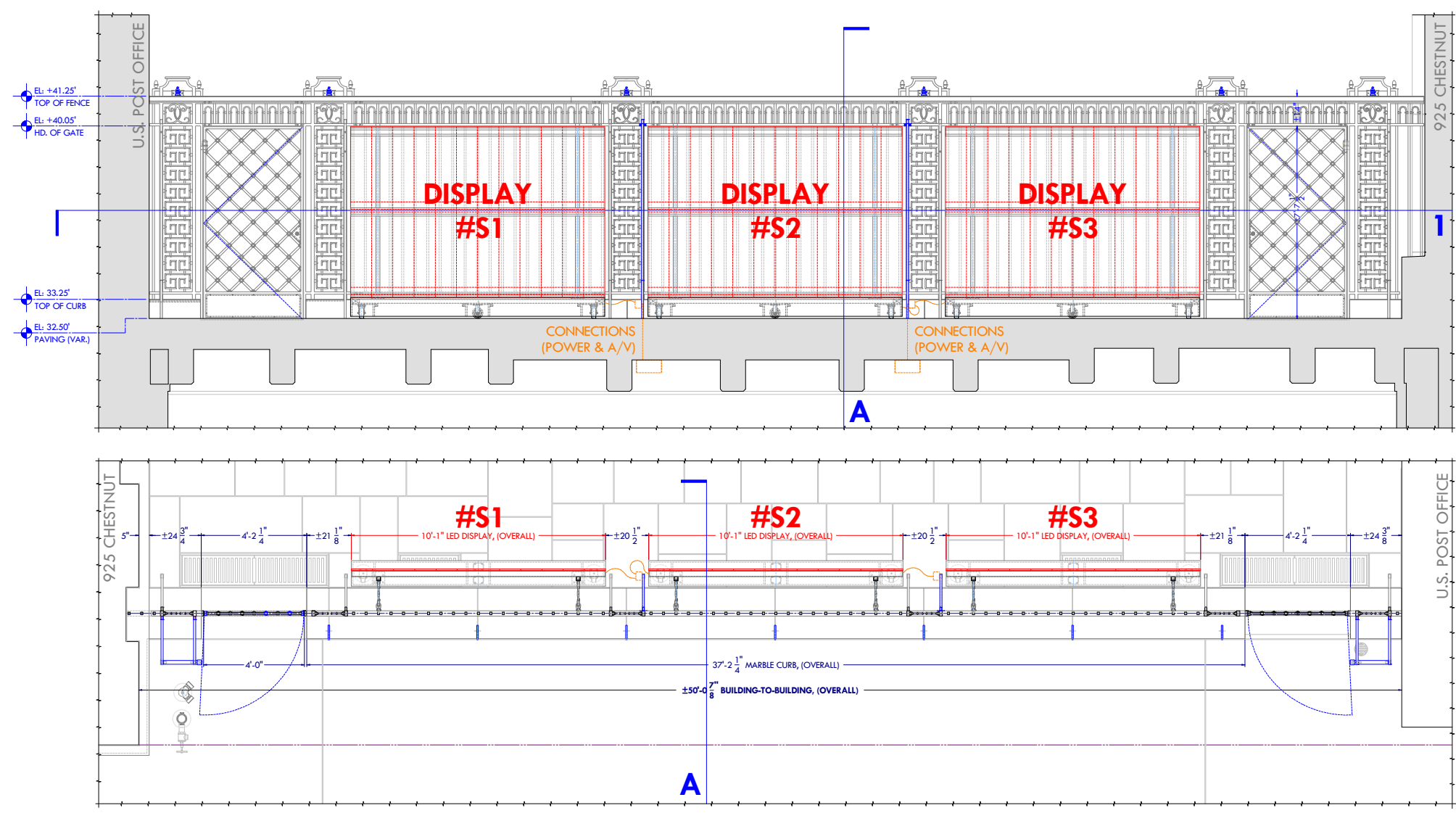


Image 27 & 28: Plan and Elevation of the Movable LED Displays at Fence, (S1-3).

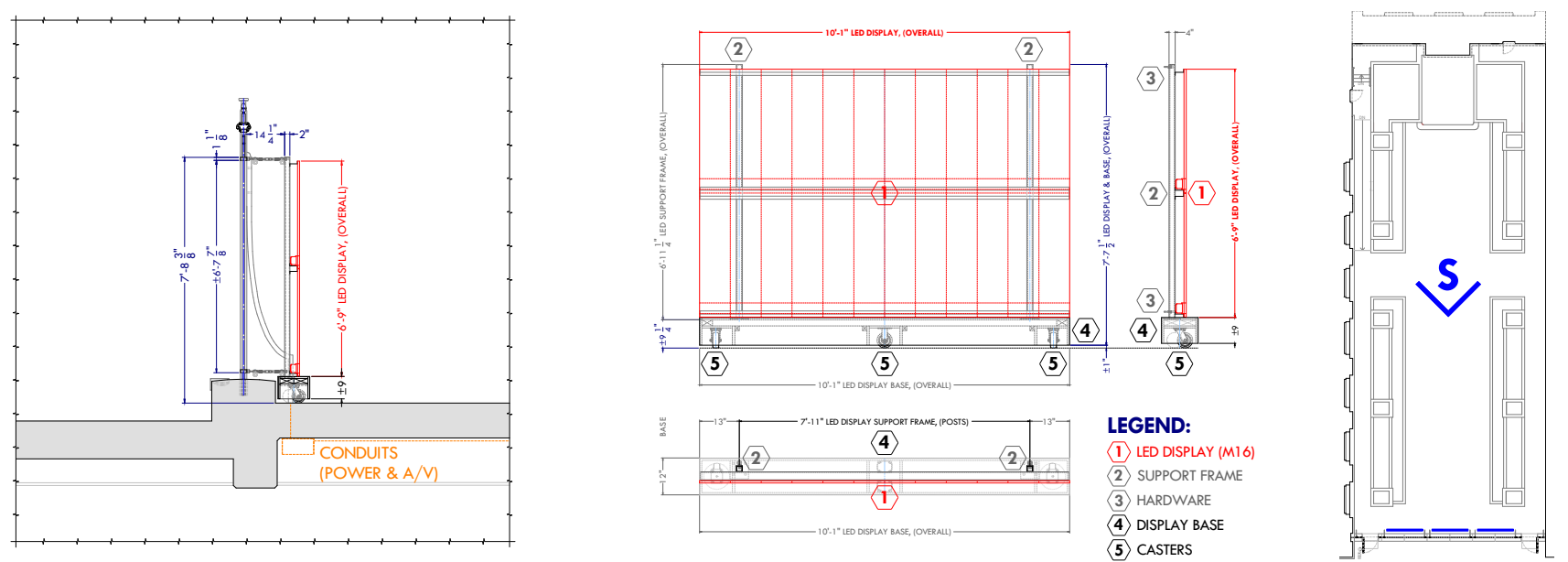


Image 29: Section of LED Display with Fence; Image 30: Typical Plan, Elevation and Section details of Fence Display; Image 31: Key Plan

SOUTH LED DISPLAYS

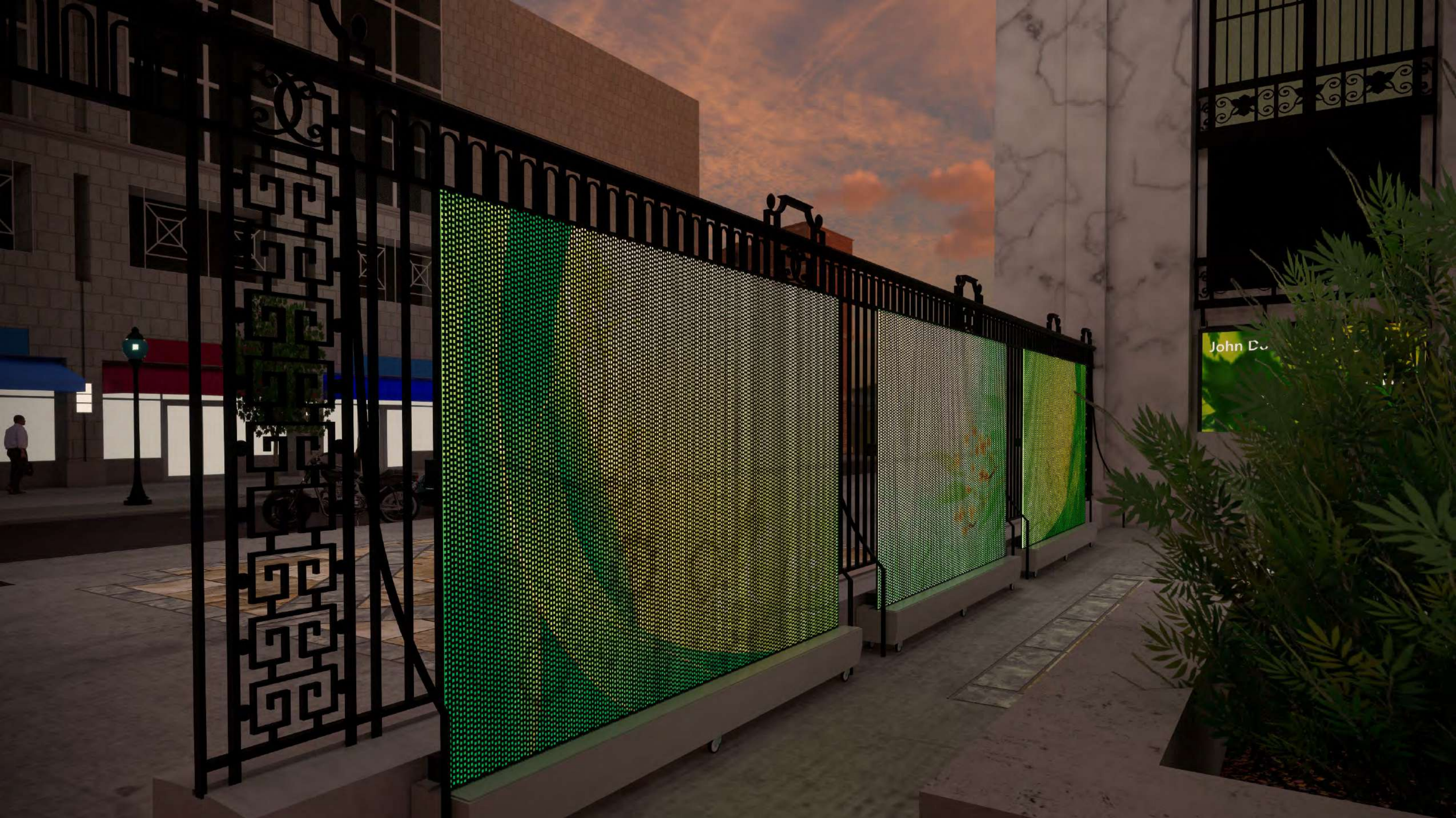


Image 32: Rendering looking SW of Movable South LED Displays at Fence, (S1-3)

SOUTH LED DISPLAYS

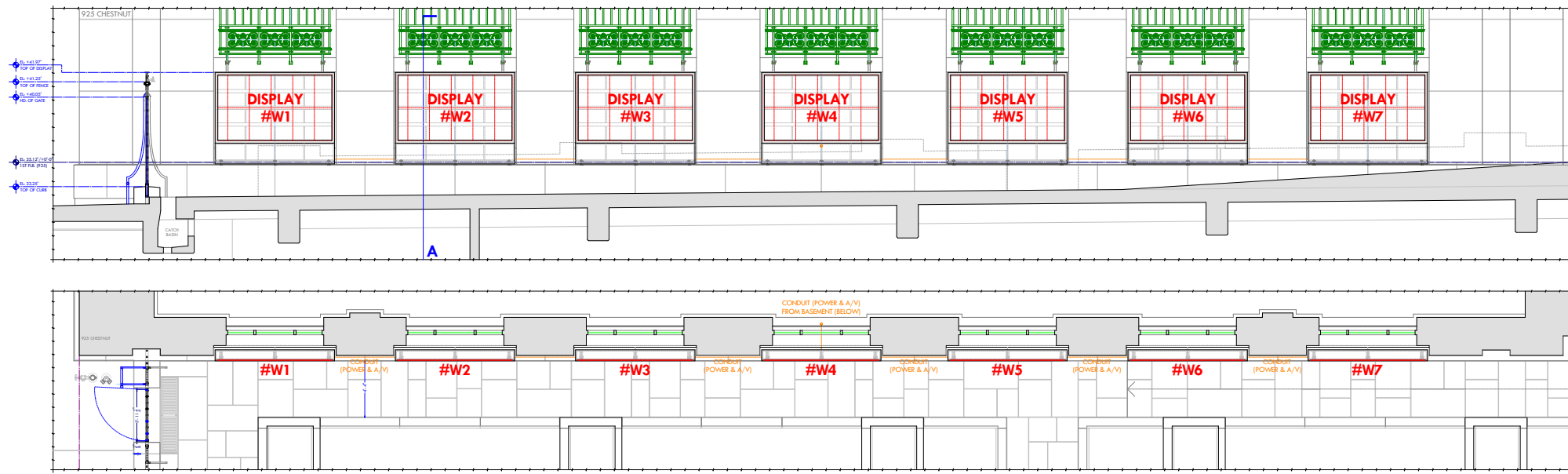


Image 33 & 34: Elevation and Plan of the proposed West Facade LED Displays located behind the planter, (W1-7)

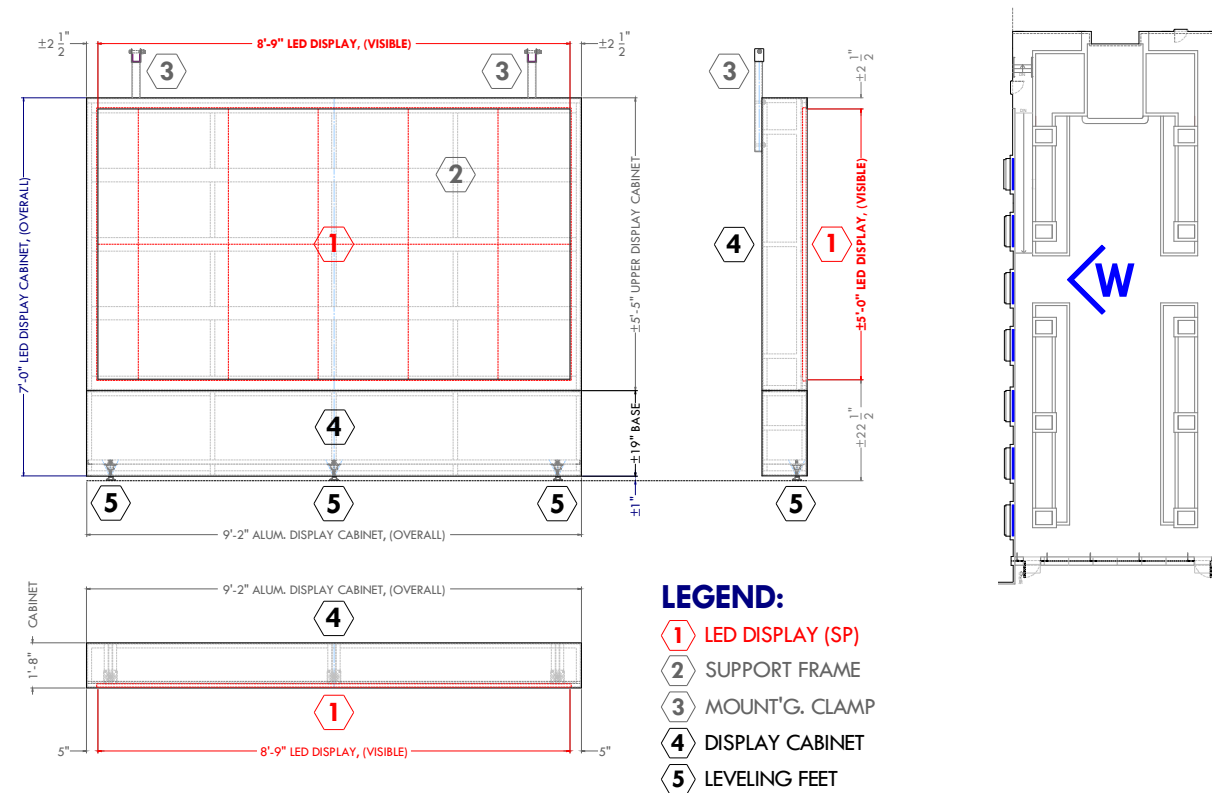
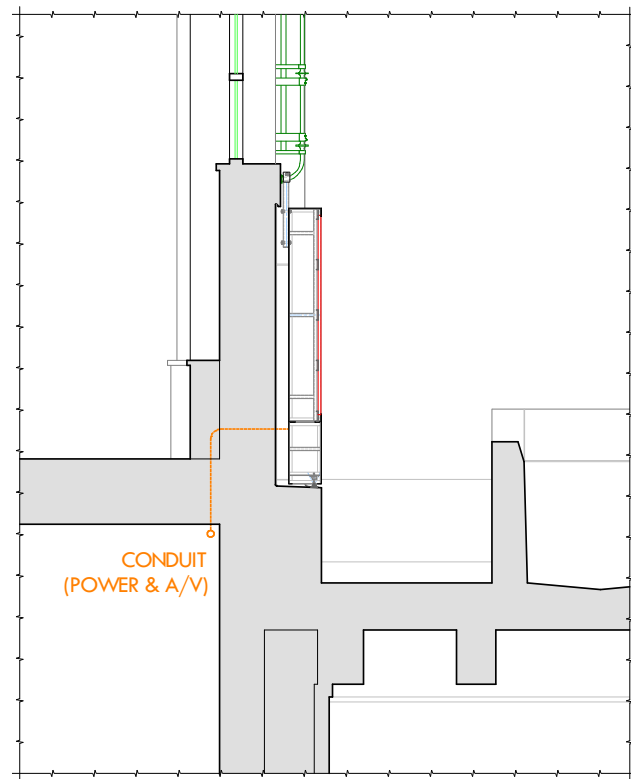


Image 35: Section of the West Facade LED Display; Image 36: Typical Plan, Elevation and Section details of West LED Display; Image 37: Key Plan

WEST LED DISPLAYS, (W1-7)

The purpose of this series of seven custom, fixed LED Displays (W1-7) is to provide Jefferson with the ability to recognize the generosity of their Donors by name, during events held within the Garden Court through a dynamic and programmable medium. The Displays as conceived and designed will be able to show content individually or in concert, as one large static or moving graphic. The technology will allow information to be tailored to each specific function and the participants who attend, providing TJU with ultimate flexibility for Donor Recognition within the space. These new visual elements will be critical to the mission and new use of the Garden Court as the primary outdoor location for Development Events held on the Jefferson's Center City Campus.

The series of seven fixed LED Displays will be built into self-contained, painted aluminum cabinets that, while intended to be "permanent" installations, rather than portable, will still be largely independent of the historic marble façade of the adjacent building. The Displays will rest on the continuous, projecting marble water table course at the base of the wall, located below the monumental windows within each alcove created by the succession of pilasters that march north from south end of the Garden Court. The cabinets are specifically sized to respect the adjacent architectural elements, including the Pilasters, Water table, Window Sills and Decorative Window Grilles. Each will be anchored only to the historic bronze Window Grilles immediately above them, via a pair of custom, stainless steel U-clamps, fully isolated from the surface of the bronze, in order to minimize Galvanic reactions. A/V & Power Supplies will be routed to each Display through stainless steel conduits and conduit bodies, cored through the wall behind each Display, in order to minimize and physical and visual impact as well as staining to the adjacent white Vermont marble. As a result, the Displays will have a low level of permanent physical impact upon the character-defining, historic fabric of the Garden Court, nearly all of which will be completely reversible, when the Displays have reached their useful life expectancy and require replacement or removal. (NOTE: See Product Data Sheets attached for Displays and associated Hardware, with PHC Staff to review final details).



Image 38: Rendering looking NW of Proposed West Facade LED Displays, (W1-7)

WEST LED DISPLAYS

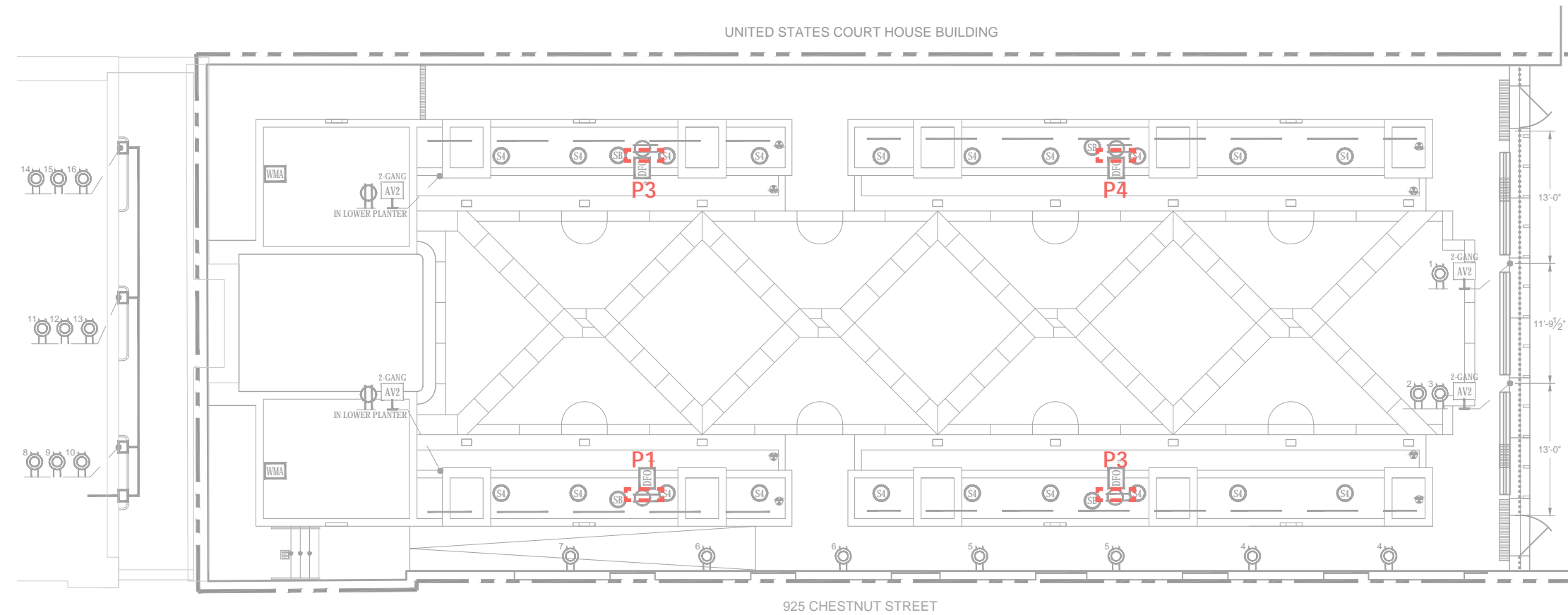


Image 39: Plan of Garden Court highlighting the location of the proposed Planter Displays (P1-4)

PLANTER DISPLAYS, (P1-4)

The purpose of these four fixed, outdoor Monitors (P1-4) is to display supplemental digital signage content, such as event agendas, or video presentations with text and/or video content that requires higher resolution for proper viewing by participants. In concert with the all-weather Audio System, including two pairs of Presentation "Hubs" (AV2), a pair of Wireless Antennas (WMA), Speakers (S4) and Subwoofers (SB), the technology will provide Jefferson with a high level of flexibility to tailor audio and visual materials and methods to individual events and audiences. This will be another key element of their Donor Recognition experience within the Garden Court.

These outdoor Monitors and supporting Audio Equipment will be independent of the historic marble cladding of the adjacent Planters that contain them. Most of the equipment will be retained in place by the soil itself (ex. Speakers, Subwoofers, and Presentation Hubs), or in the case of the Displays and Antennas, anchored below the surface to the internal reinforced concrete structure of the Planters. All A/V & Power Supplies will be routed from the Garage below through existing penetrations, to individual equipment locations in conduits buried in the soil of the Planters. As a result, this equipment will have no permanent physical impact on the character-defining, historic fabric of the of the Garden Court, and will be fully reversible in the future, at such time as it requires replacement or removal. (NOTE: See Product Data Sheets attached for Monitors, Audio Equipment and associated Hardware, with PHC Staff to review final details).

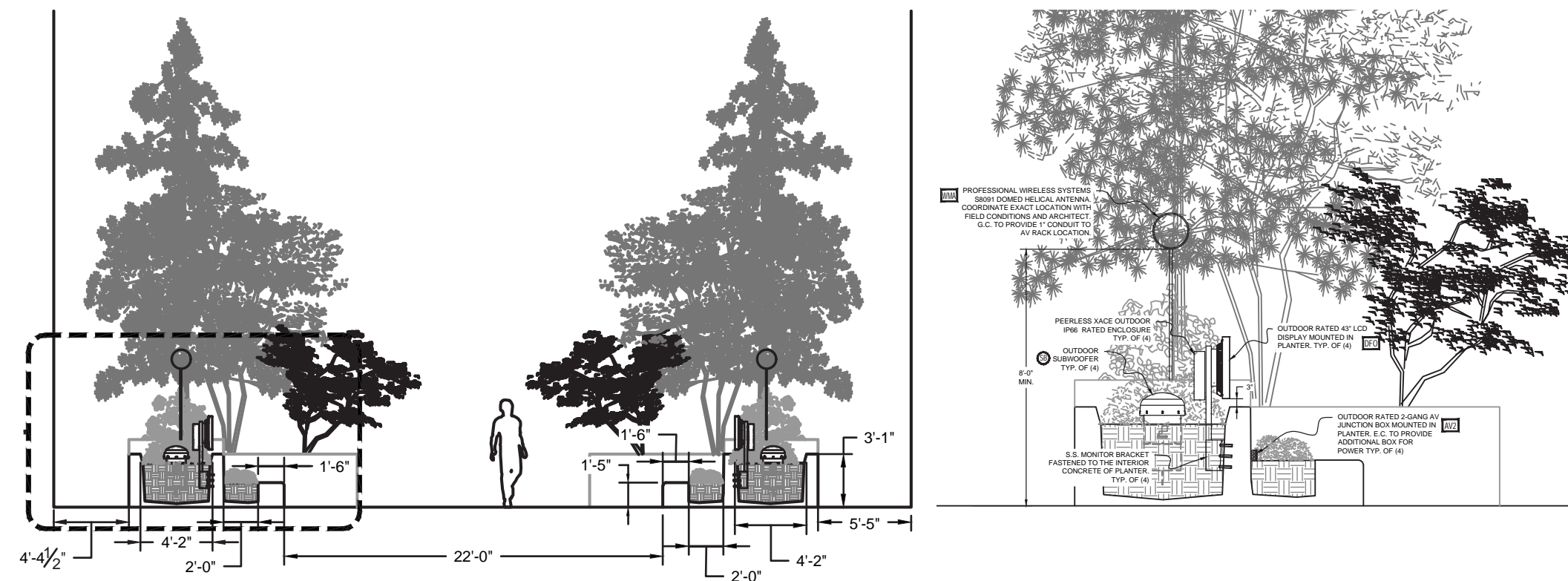


Image 40 & 41: Section and Section Detail (through West Planter) showing the proposed Planter Displays and their attachment to the Planters.

PLANTER DISPLAYS



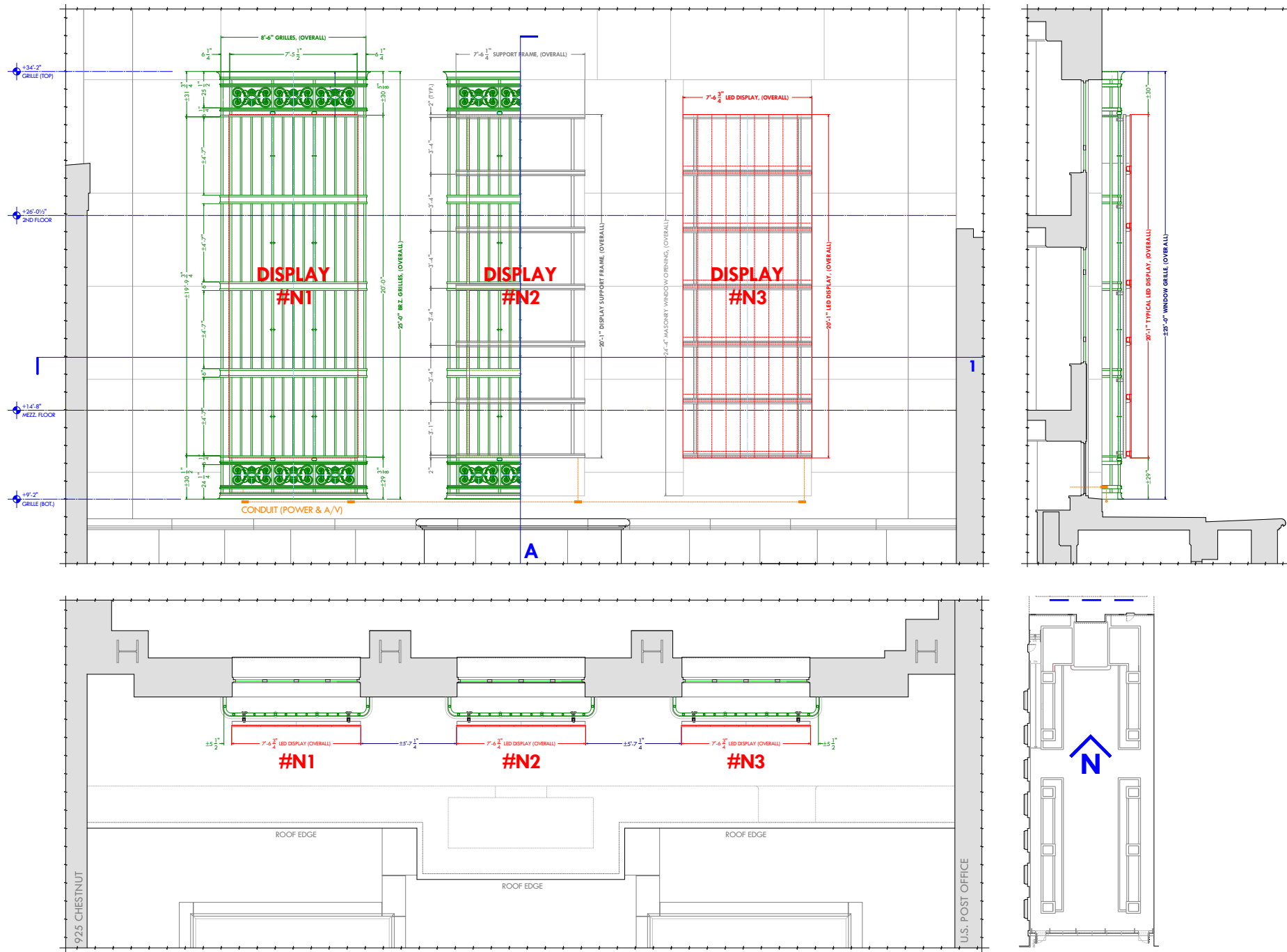
Image 42: Rendering looking NW of Proposed Planter Displays, (P1-2)

PLANTER DISPLAYS



Image 43: Rendering looking NE of Proposed Planter Displays, (P3-4)

PLANTER DISPLAYS



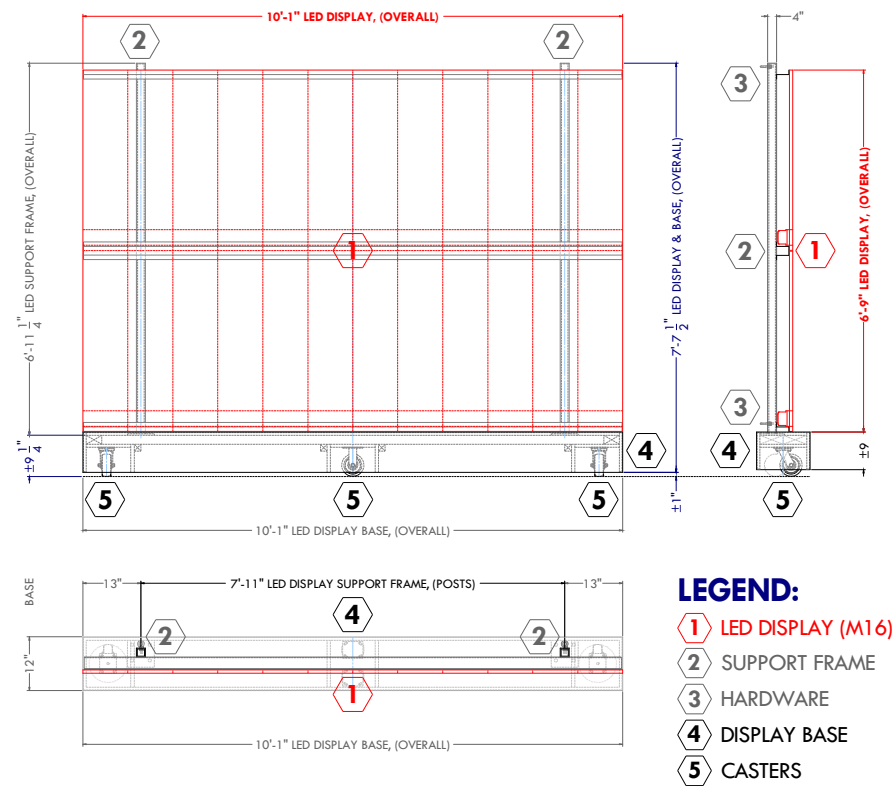
NORTH LED DISPLAYS, (N1-3)

The purpose of these three custom, fixed LED Displays (N1-3) at the north end of the Garden Court is to provide Jefferson with a visual “backdrop” to events where they can display large, bold messages, graphics and images to both attendees and the public in general that are both informative as well as entertaining. Similar to the West Displays, but of a different scale and prominence within the outdoor space, these Displays will also show programmable content individually or in concert, as one large static or moving, animated graphic. The technology will allow information to be tailored to each specific function and the participants who attend, providing TJU with further flexibility for Event coordination, programming, messaging, and themes, as well as Donor Recognition within the space. Along with the West Displays, these new monumental visual elements will be critical to the mission and new use of the Garden Court as the primary outdoor location for Development Events held on Jefferson’s Center City Campus.

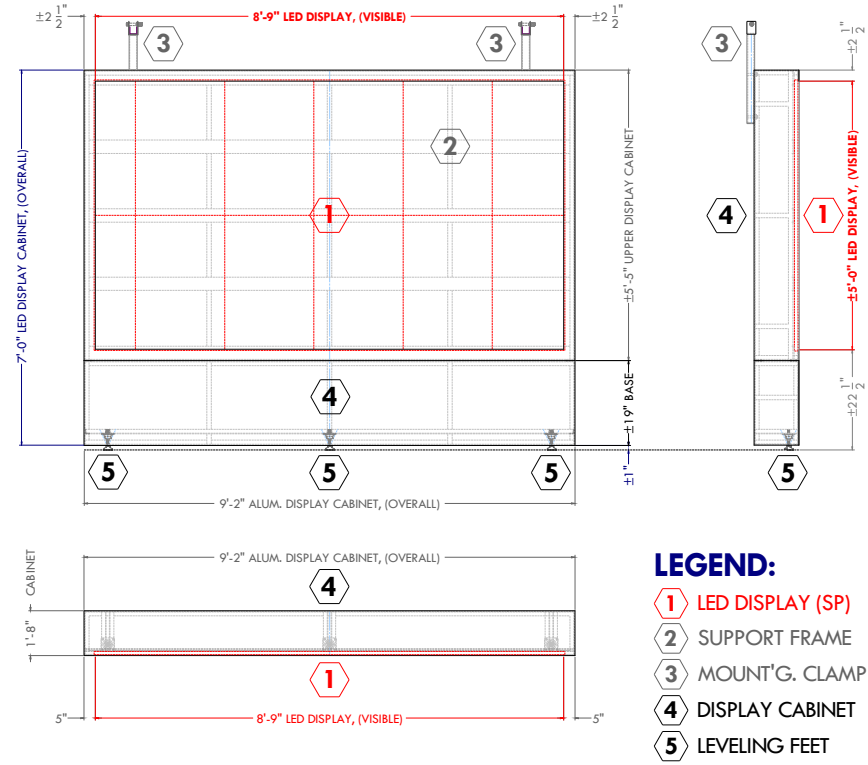
This collective, tripartite monumental LED Display will be largely independent of the historic bronze Window Grilles that will support each section. While the series of interconnected LED units that comprise each Display will be fastened directly to proprietary painted aluminum wireways, supported from a pair of vertical painted aluminum structural tubes, this assembly will be relatively light and will not block sunlight coming into the building or screen the view out of the building. The supporting aluminum structure will be anchored to the historic bronze Window Grilles via a series of custom, stainless steel U-clamps, fully isolated from the surface of the bronze, in order to minimize Galvanic reactions. A/V & Power Supplies will be routed to each Display through stainless steel conduit, including conduit bodies, enclosures and hardware, in order to minimize or eliminate any damage or staining to the adjacent white Vermont marble. Penetrations will be located in an existing sheet metal panel that long-ago replaced the glass light in one of the existing steel windows, so no removal of historic fabric will be required to accommodate power and data for the Displays. In addition, the overall size and location of the Displays has been carefully coordinated not to obscure the cast bronze decorative elements that occur at the top and bottom of each Grille. As a result, these Displays and associated equipment will have no permanent physical impact on the character-defining, historic fabric of the of the Garden Court, and will be reversible in the future, at such time as it requires replacement or removal. (NOTE: See Product Data Sheets attached for Displays, Support Structure and associated Hardware, with PHC Staff to review final details).

Image 44 & 45: Elevation & Section of North LED Displays, (N1-3) ;
 Image 46: Plan of North Wall Clear LED Displays; image 47: Key Plan

SOUTH LED DISPLAY



WEST LED DISPLAY



NORTH LED DISPLAY

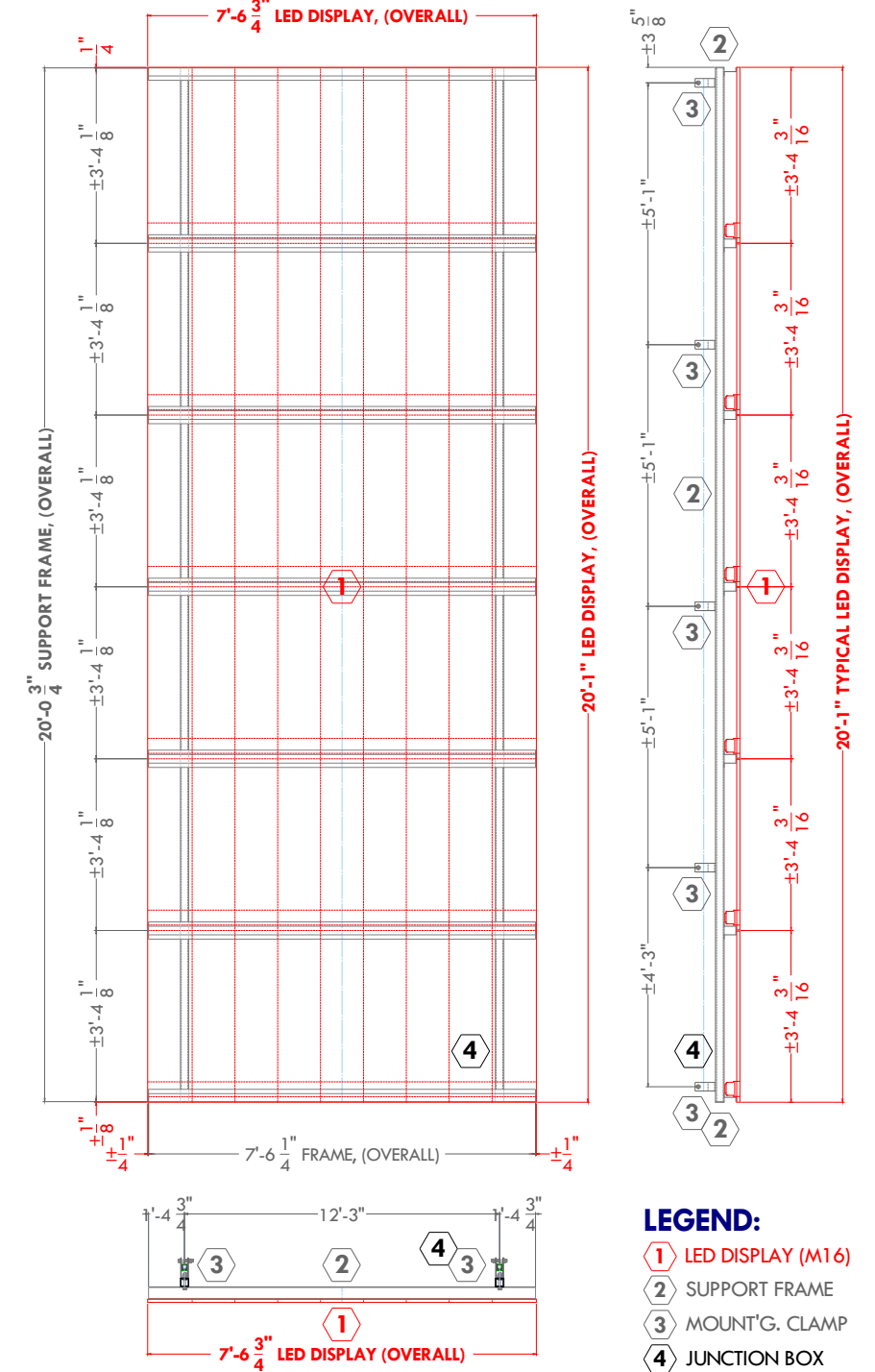


Image 48: Typical Plan, Elevation and Section details of South, West & North LED Displays



Image 49: Rendering of Proposed North Wall Clear LED Displays, (N1-3).

NORTH LED DISPLAYS



Image 50: Rendering of the Garden Court during an event, showing all of the displays turned on at once.

DONOR RECOGNITION EVENT

GARDEN COURT 'DONOR RECOGNITION' (OVERVIEW)



IMAGE 01: ELEVATED VIEW LOOKING NORTHWEST INTO GARDEN COURT, (DISPLAYS #W1-7, #P1-2 & #N1-3 VISIBLE).

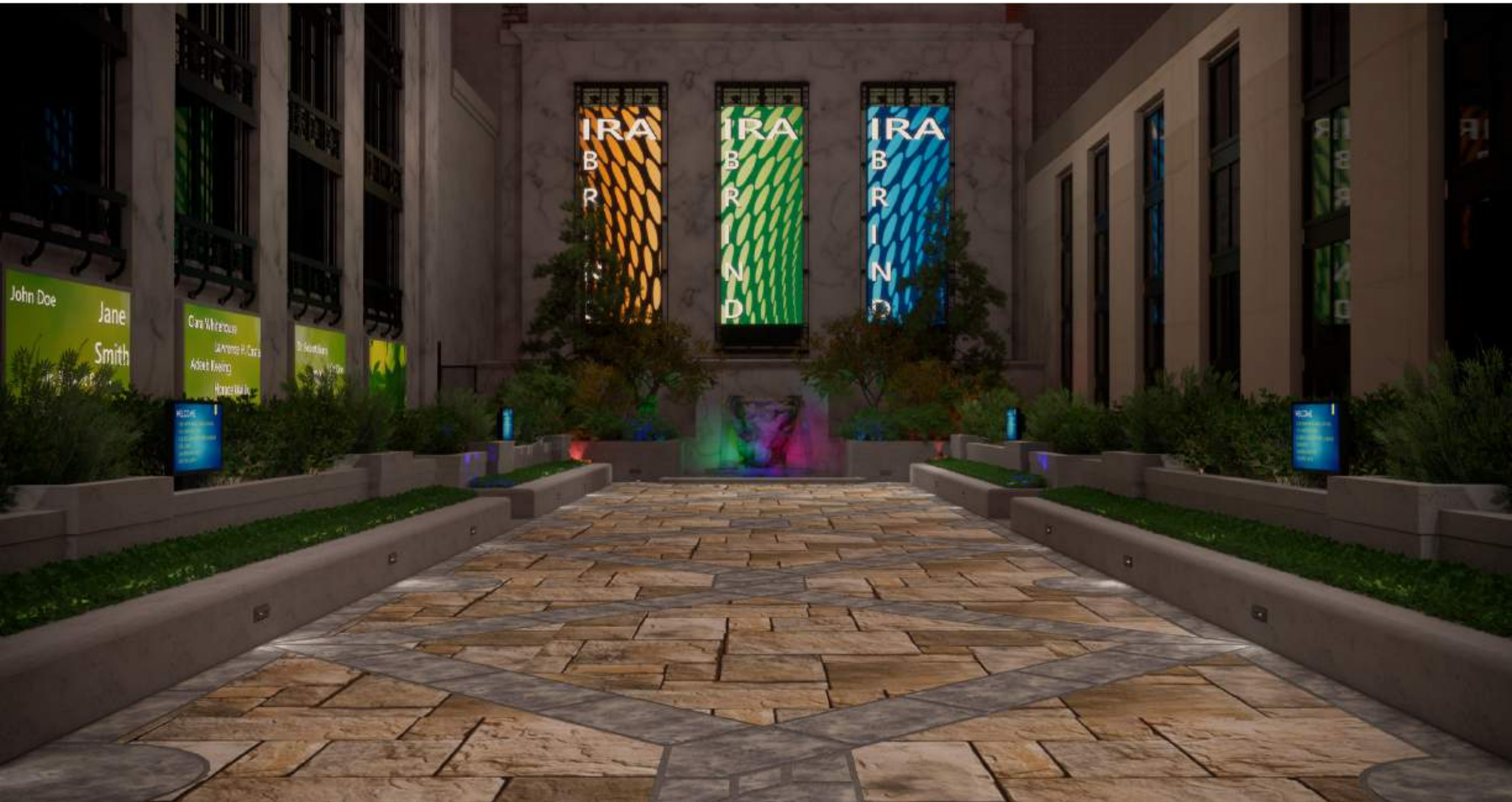


IMAGE 02: VIEW LOOKING NORTH FROM WITHIN GARDEN COURT, (DISPLAYS #W4-7, #P1-4 & #N1-3 VISIBLE).



IMAGE 03: VIEW LOOKING NORTH WITHIN GARDEN COURT, (DISPLAYS #N1-3 VISIBLE).



IMAGE 04: VIEW LOOKING SOUTHWEST WITHIN GARDEN COURT, (DISPLAYS #W1-5, #P1&4 & #S1-3 VISIBLE).

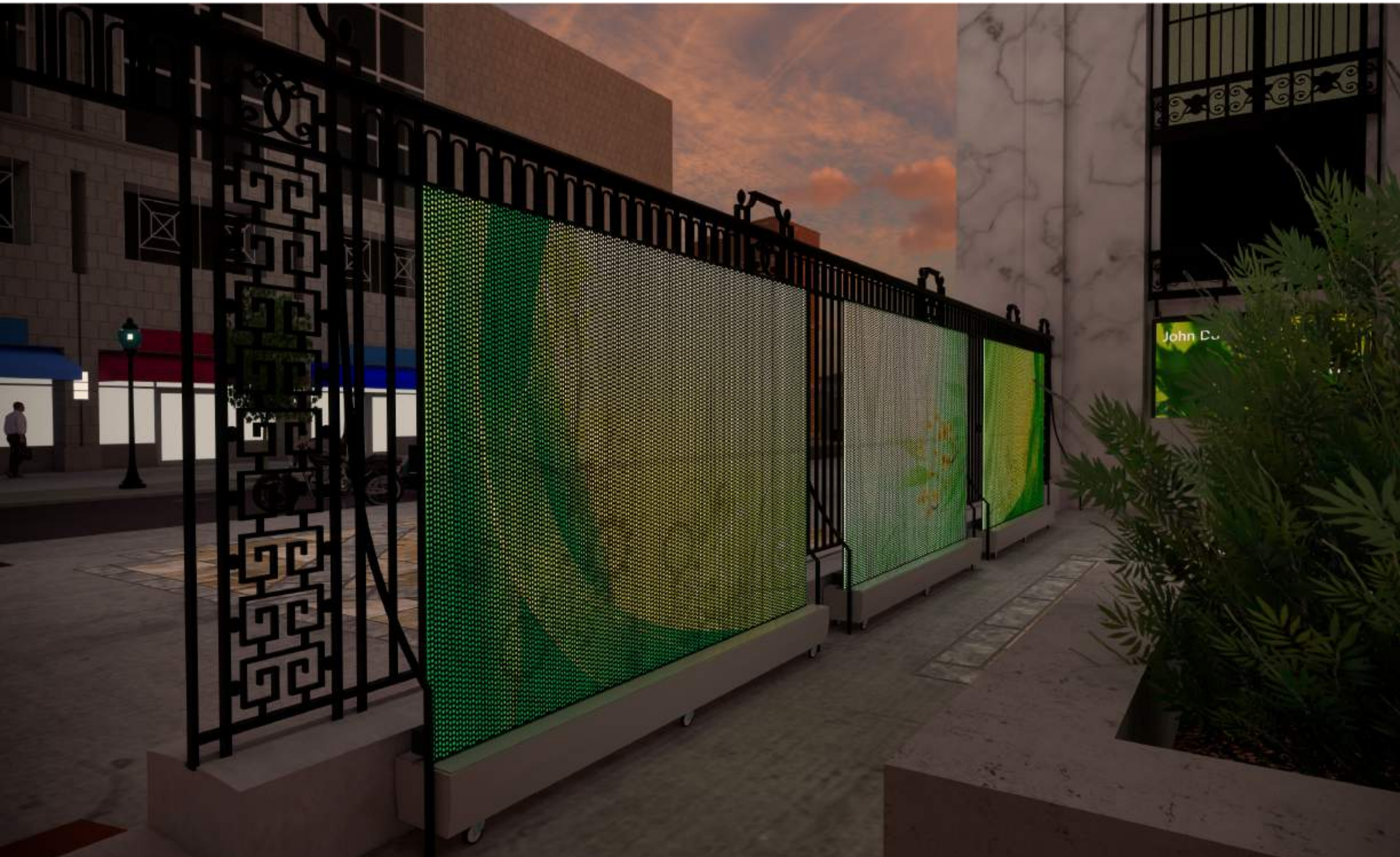


IMAGE 01A: VIEW LOOKING SOUTHWEST OF DISPLAYS #S1-3, (AT DUSK).

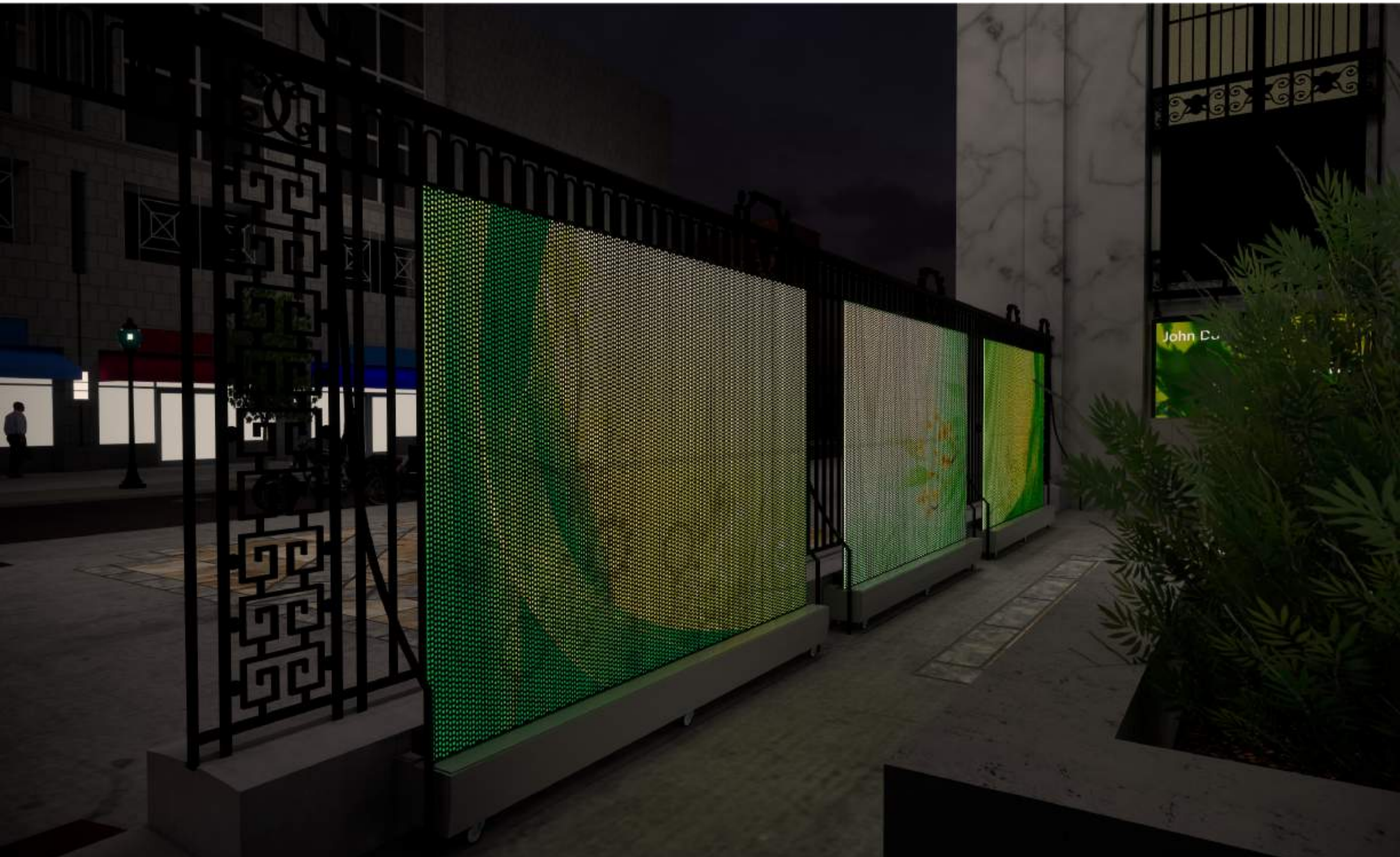


IMAGE 01B: VIEW LOOKING SOUTHWEST OF DISPLAYS #S1-3, (AT NIGHT).



IMAGE 02: VIEW LOOKING SOUTH OF DISPLAYS #S1-3, (AT LATE AFTERNOON).



IMAGE O3A: VIEW LOOKING NORTHWEST OF DISPLAYS #W1-7, (AT DUSK).



IMAGE O3B: VIEW LOOKING NORTHWEST OF DISPLAYS #W1-7, (AT NIGHT).



IMAGE 04: VIEW LOOKING WEST OF TYPICAL DISPLAY, (TYPE 'W').



IMAGE O5A: VIEW LOOKING NORTHWEST OF DISPLAYS #P1-2, (AT DUSK).



WELCOME

- 11:00- NETWORKING AND COCKTAILS
- 11:15-INTRODUCTIONS
- 11:30-DISCUSSION OF EVENT CALENDAR
- 12:00-LUNCH
- 12:45-FINAL NEXT STEPS
- 1:00-CONCLUSION

John Doe

Jane
Smith

Dr. Robert Burns

Clara Whitehouse

Lawrence H. Costa

Adele...

Dr. Robert Burns

Jane

John Doe

Smith

IMAGE O5B: VIEW LOOKING NORTHWEST OF DISPLAYS #P1-2, (AT DUSK).



IMAGE O6: VIEW LOOKING EAST OF TYPICAL DISPLAY, (TYPE 'P').



WELCOME

11:00- NETWORKING AND COCKTAILS
11:15- INTRODUCTIONS
11:30-DISCUSSION OF EVENT CALENDAR
12:00- LUNCH
12:45-FINAL NEXT STEPS
1:00-CONCLUSION

IMAGE 07A: VIEW LOOKING NORTHEAST OF DISPLAYS #P3-4, (AT DUSK).



WELCOME

- 11:00- NETWORKING AND COCKTAILS
- 11:15- INTRODUCTIONS
- 11:30- DISCUSSION OF EVENT CALENDAR
- 12:00- LUNCH
- 12:45- FINAL NEXT STEPS
- 1:00- CONCLUSION

IMAGE O7B: VIEW LOOKING NORTHEAST OF DISPLAYS #P3-4, (AT NIGHT).

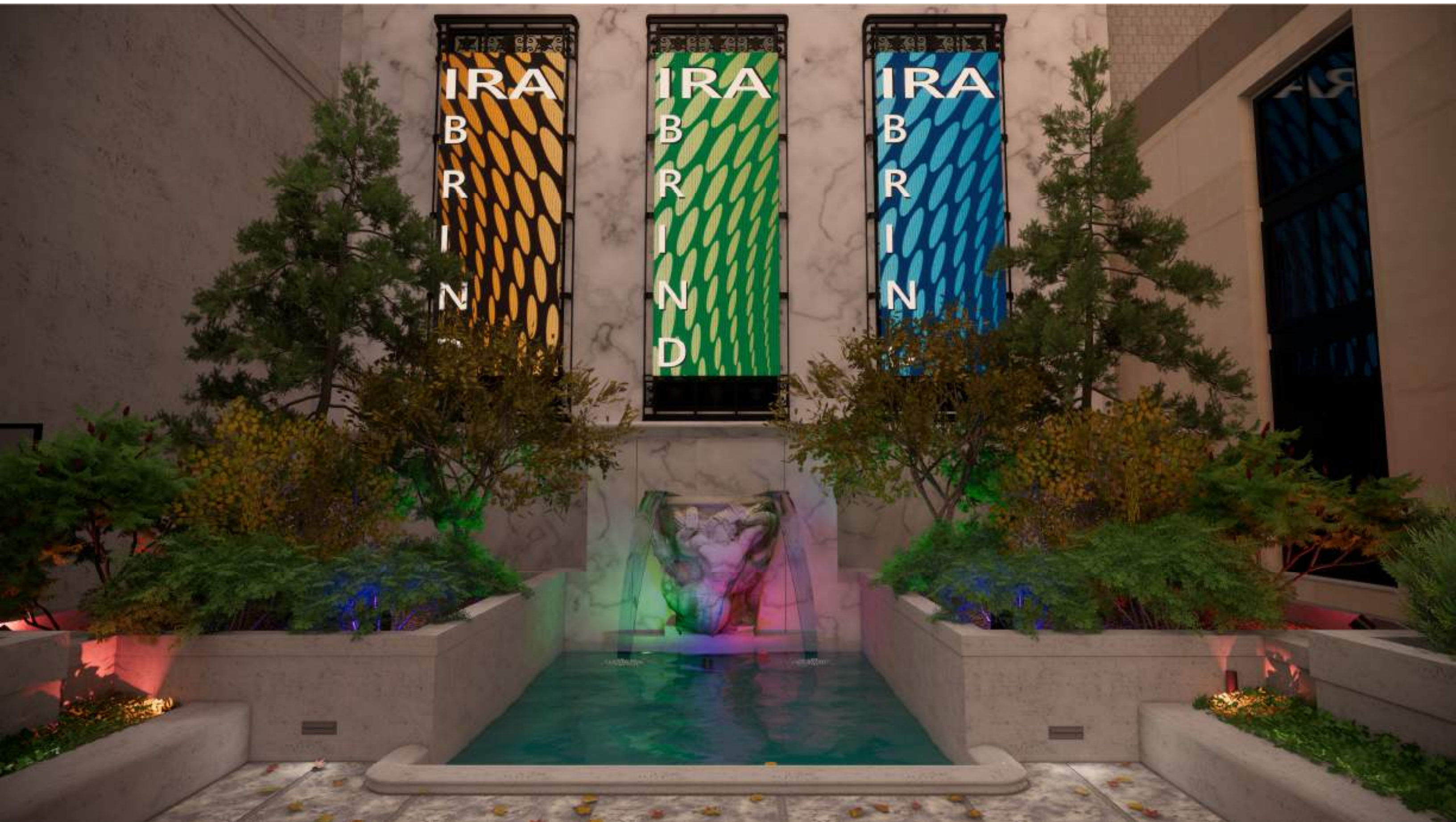


IMAGE 08: VIEW LOOKING NORTH OF DISPLAYS #N1-3, (AT DUSK).



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IMAGE 09: CLOSE-UP VIEW LOOKING NORTH OF DISPLAYS #N1-3, (AT DUSK).

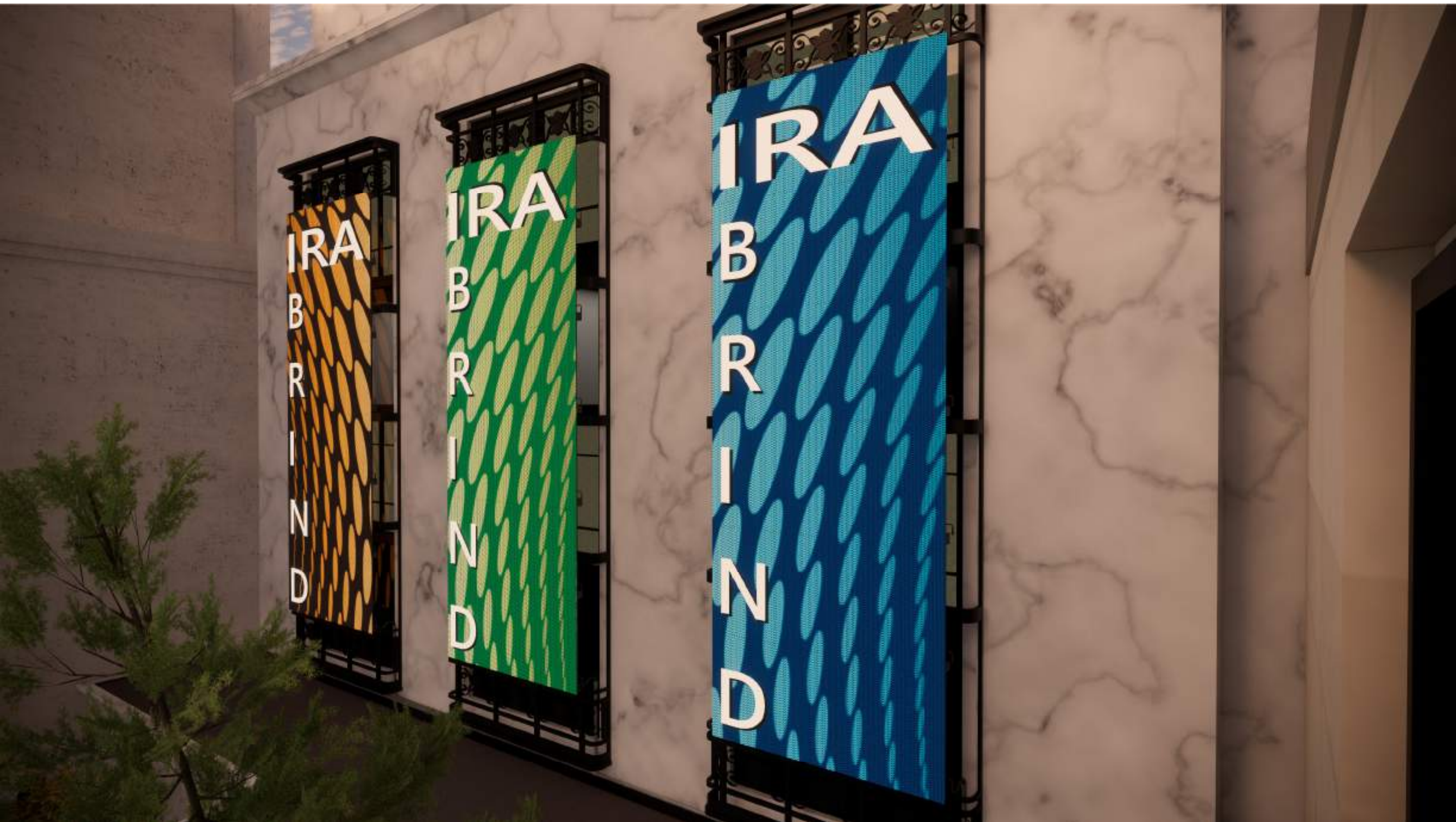


IMAGE 10: VIEW LOOKING NORTHWEST OF DISPLAYS #N1-3, (AT DUSK).

GARDEN COURT 'DONOR RECOGNITION' (CONTEXT)



IMAGE O1A: VIEW LOOKING NORTH ACROSS CHESTNUT STREET FROM THE PUBLIC RIGHT-OF-WAY, (AT DUSK).



IMAGE O1B: VIEW LOOKING NORTH ACROSS CHESTNUT STREET FROM THE PUBLIC RIGHT-OF-WAY, (AT NIGHT).

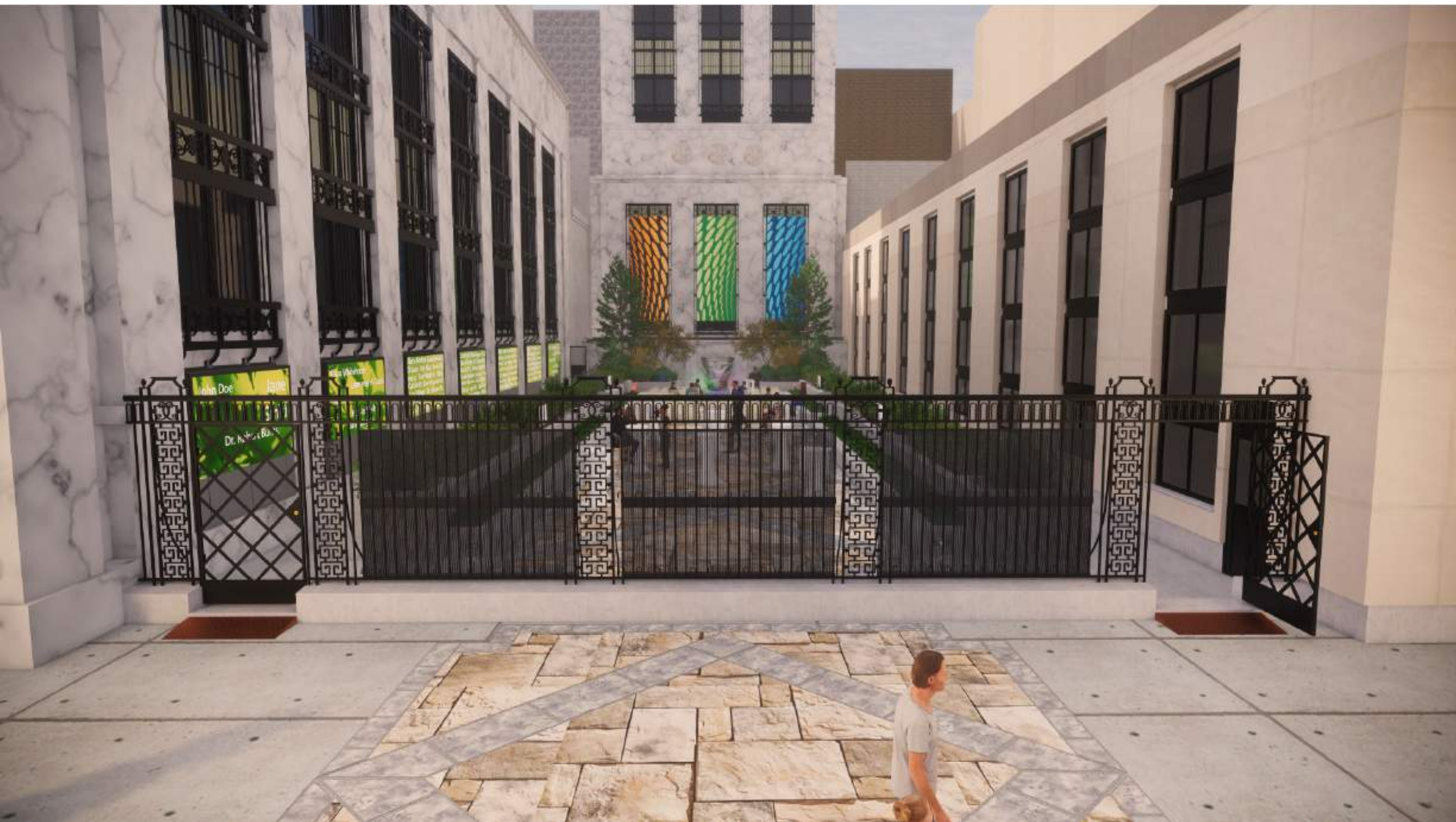


IMAGE O2A: ELEVATED VIEW LOOKING NORTH INTO GARDEN COURT FROM THE PUBLIC RIGHT-OF-WAY, WITH DISPLAYS ILLUMINATED/ON, (AT LATE AFTERNOON).

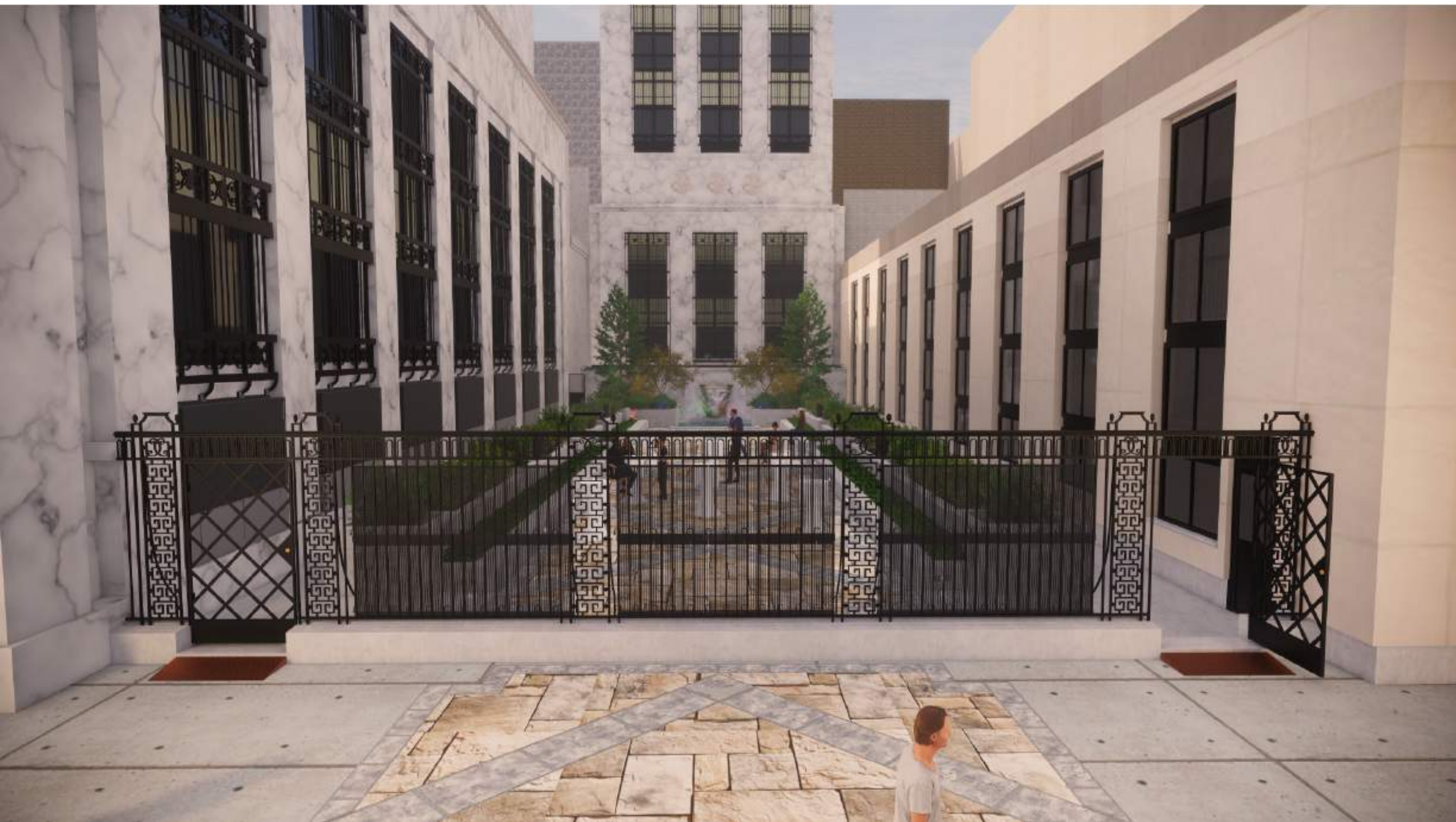


IMAGE O2B: ELEVATED VIEW LOOKING NORTH INTO GARDEN COURT FROM THE PUBLIC RIGHT-OF-WAY, WITH DISPLAYS DARK/OFF, (AT LATE AFTERNOON).

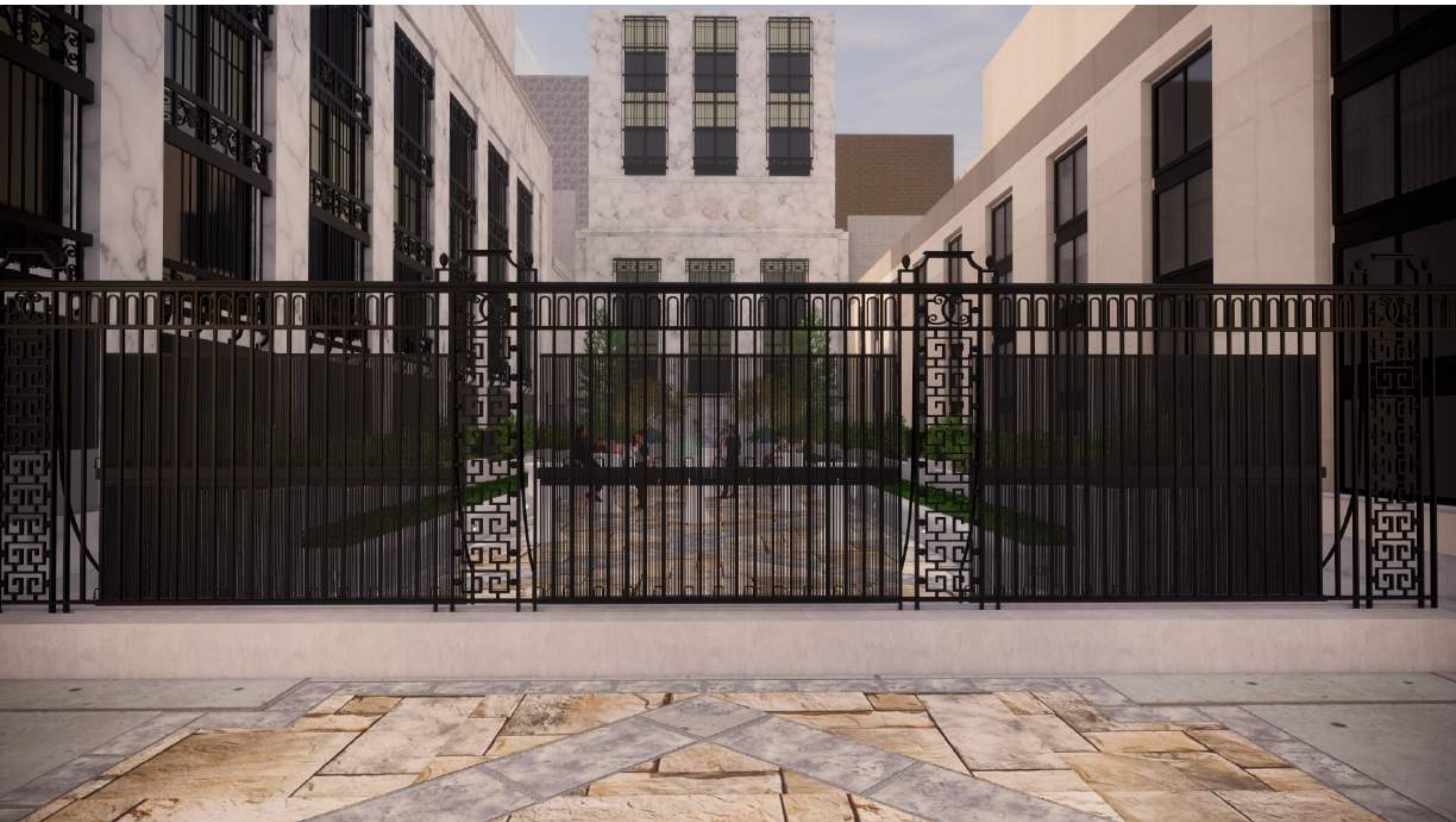


IMAGE O3: VIEW LOOKING NORTH INTO GARDEN COURT THROUGH FENCE & SOUTH DISPLAYS FROM THE PUBLIC RIGHT-OF-WAY, (AT LATE AFTERNOON).



IMAGE O4A: VIEW LOOKING NORTH FROM WITHIN GARDEN COURT WITH DISPLAYS ILLUMINATED/ON, (AT LATE AFTERNOON).



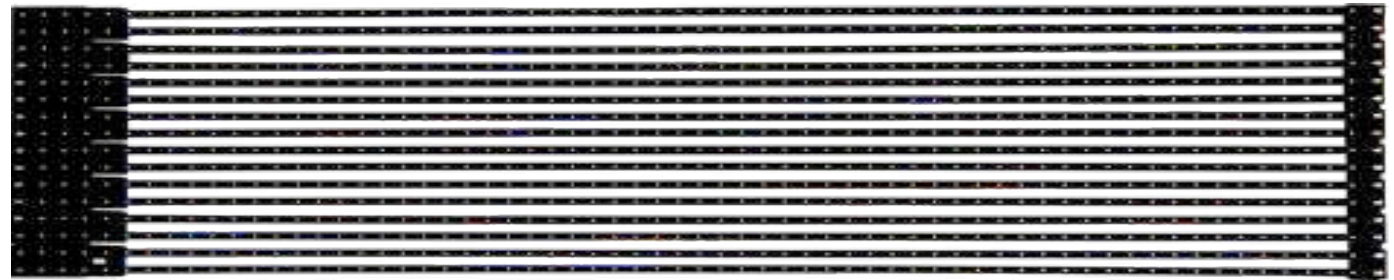
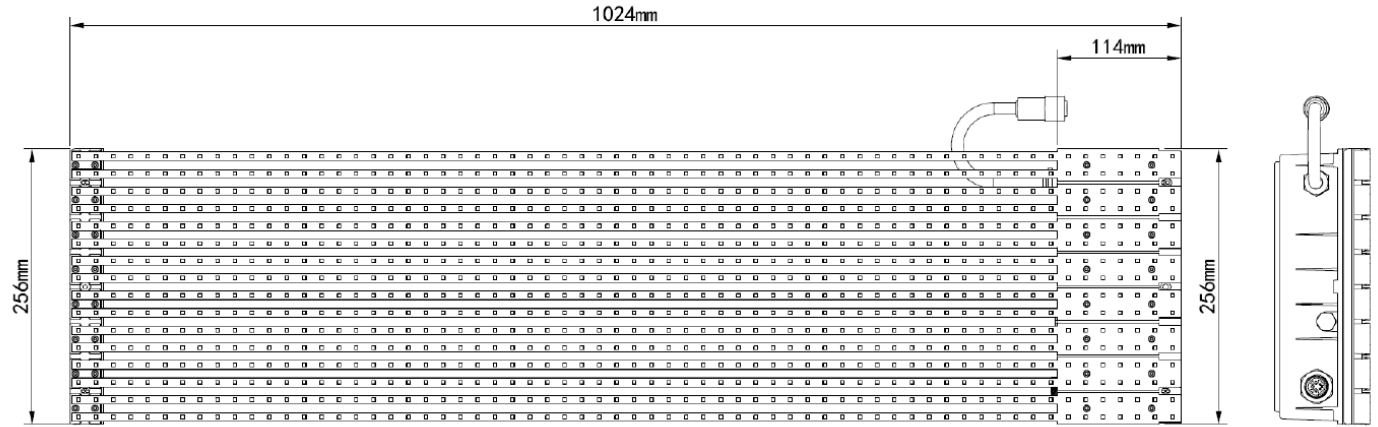
IMAGE O4B: VIEW LOOKING NORTH FROM WITHIN GARDEN COURT WITH DISPLAYS DARK/OFF, (AT LATE AFTERNOON).

Product Data Sheets - Tent and LED Displays

Mesh16 Tech specs

LED SPEC		
LED Brand	/	NationStar
Pixel Pitch	mm	16
LED Encapsulation	/	SMD3535/ DIP 1R1G1B

MODULE			
Module Size (W x H)	mm	1024	256
	inches	40	10
Weight	kgs/m ²	15	
	lbs/m ²	33	
Brightness	nits	SMD: >7500 nits	DIP: >15,000 nits
Module Resoluton (W x H)	pixel	64	16
Ingress Protection	/	IP67	
Refresh Rate	Hz	>1520Hz	
Transparency	/	54%	
Viewing Angle (Horizontal/ Vertical)	degree	H:120 degree	V: 120 degree
Serviceability	/	BACK	
Life Time	hours	100,000	
Video Signal Input Interface	/	Ethernet / Optical Fiber/ Wifi etc.	
Working Temperature Range	°C and °F	-20 to +45 C	-68 to +122F
Average Power Consumption	watts/sqm	230	
Maximum Power Consumption	watts/sqm	765	
Operation power voltage	volt	AV85~265V	
Certifications	/	UL, FCC, CE	



GET NOTICED

Product information: multiflex plus Basic P7



Its greatness is its span

Where size matters: The multiflex P7 is available in widths of up to 15 m.

The multiflex P7 series offers the perfect solution for you: With side heights of 2.50 m or 3.00 m and a tried and tested truss-distance of 3 m, the P7 modular system is available in the sizes 6, 9, 12 and 15 m.

System cassette wall elements of hard-PVC or glass are available with a side height of 2.50 m or 3.00 m. The spindle-fix roof tensioning system stops the valance flapping in the wind and offers additional rain protection in the eave area.

Highly efficient: Materials such as purlins, side curtains or system flooring can be used in the P7 system. This makes the multiflex P7 the ideal solution for tent sizes 6 m to 15 m.



Dimensions

Type	Profile	Frame ID#	Truss Profile	Width	Leg	Truss-distance	Rafter Sections	
							Standard	Optional
multiflex 	P7		6" x 4 3/4" 150 mm x 120 mm	6 m	250/300 cm	3 m/ 10"	3 m	-
				9 m	250/300 cm		4.5 m	3 m + 1.5 m
				12 m	250/300 cm		3 m + 3 m	4.5 m + 1.5 m
				15 m	250		7.5 m	4.5 m + 3 m

Technology

All system components are standard stock parts for fast availability. The interchangeable tent components within the system enable various configurations, different widths and extensions without expensive special solutions. Easy to transport, assemble and dismantle, store and clean. Assembly with and without system cassette flooring possible.

Frame

Trusses of extruded 4-groove aluminum hollow profiles. Curtain tubes, eave purlins and gable wall beams made of aluminum. Integrated curtain groove in eave purlins and gable wall beams. Frame for system cassette wall elements of hard-PVC or glass. All aluminum components are technically anodized. All cables are PVC-coated, preventing blackening stains on contact with the covers. Completely maintenance-free frame. Structural lengths in 3 m increments.

Covers

Textile covers made of polyester fabric, coated with PVC on both sides. Translucent roof covers for daylight conditions inside the tent. Opaque covers for black-out conditions. Secure fixing by using spindle-fix roof tensioning system. For side and gable curtains, quality zippers: •Side curtains with windows in several attractive designs. System cassette wall elements of hard-PVC or glass.

Optional accessories

- Spliced beams for 12 m and 15 m widths
- Portal beam for free access
- Aluminum doors, double-wing
- Roof covers and side curtains of transparent foil
- Ramps at entrances and exits

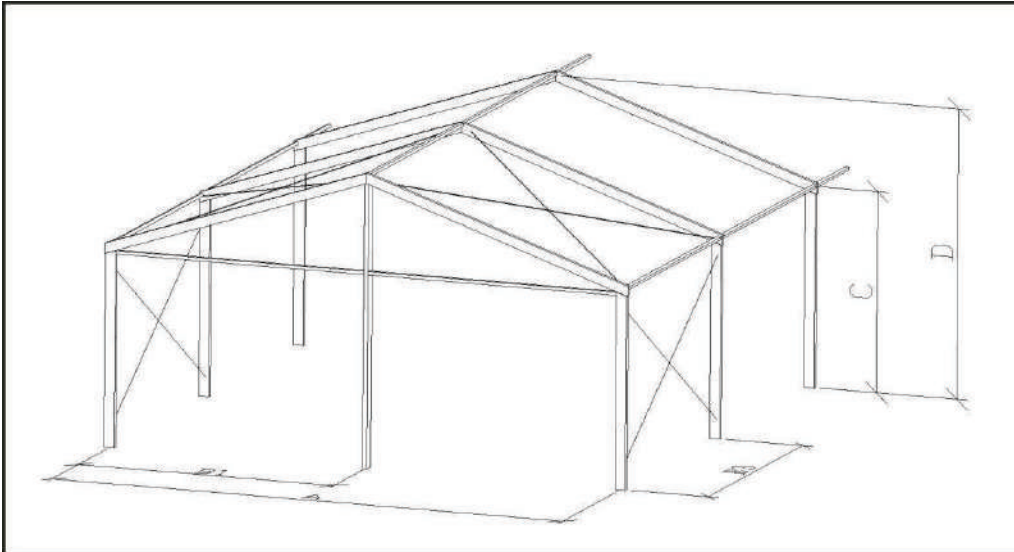


1512/werbemacher

multiflex Basic P7 unit

Type: 6/250

Model: XXX



System Measures

Width	(A)	6.07 m
Eave height	(C)	2.49 m
Ridge height	(D)	3.60 m
Peak height	(E)	0.00 m
Roof slope		20.00 °
Truss-distance	(B1)	3.04 m
Truss-distance	(B2)	3.00 m
Truss-distance	(B3)	3.00 m
Longest component		3.62 m
Truss profile		120 x 48 mm

Technical Description

Aluminium Profiles

Solid, hard pressed
4-groove aluminium hollow profile

Steel Parts

Hot-dip galvanized according to DIN EN ISO 1461

Ground Anchoring

Ground stakes or weight anchoring upon request

Load Requirements/Technical Data

Wind load acc. to DIN EN 13782
Min. length 6.00 m
Max. length unlimited in truss-distance

Subject to technical modifications!

Losberger U.S., LLC
285 Bucheimer RD Suite A
Frederick, MD 21701
Phone: 800.964.8368
Fax: 301.682.8005
E-Mail: losbergerus@losberger.com
www.losbergerus.com



STAINLESS STEEL CONDUIT BODY

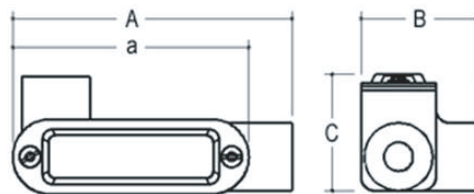


Features:

- Manufactured in Type 316 stainless steel to meet any stringent sanitary condition
- Polished with standard "brite" finish to increase corrosion resistance and aesthetic appearance
- Solid stainless construction permits easy installation using ordinary hand tools
- The flat back design allows extra wiring capacity
- No minimum package qty. required
- Cover and Gasket set included
- Form 8 style

Certifications and Compliances:

UL 514A Listed
UL File # E307133
Intended for installation in accordance with Article 314 of ANSI/NFPA 70, "National Electrical Code" (NEC)
Approved for Wet Locations



Material:

Body: 316SS
Gasket: Neoprene
Cover and Screws: 316SS

Applications:

To connect and change direction of conduit runs. Can be used as pulling fittings. Accessible wiring chamber provides a spacious location to make splices.

Industries Commonly Served:

- Food & Beverage Production
- Marine & Coastal Facilities
- Chemical Plants
- Water & Wastewater Treatment
- Pharmaceuticals & Cosmetics
- Refining & Extraction Sites
- Petrochemical
- Pulp & Paper Mills
- Along with other corrosive environments

Part Number	Trade Size	A	B	C	a	Cubic Inches	Weight (each) Per lb.
S60500LL00	1/2"	5.132"	2.132"	1.700"	4.320"	4"	1.00
S60700LL00	3/4"	5.739"	2.474"	1.975"	4.950"	7"	1.40
S61000LL00	1"	6.680"	2.790"	2.225"	5.650"	11"	2.00
S61500LL00	1-1/2"	8.868"	3.585"	3.095"	7.810"	35"	4.40
S62000LL00	2"	11.274"	4.610"	3.353"	10.00"	71"	6.85

All dimensions are for informational purposes only *Tolerances +/- 5%

STAINLESS STEEL LR CONDUIT BODY

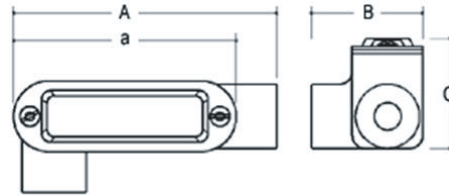


Features:

- Manufactured in Type 316 stainless steel to meet any stringent sanitary condition
- Polished with standard "brite" finish to increase corrosion resistance and aesthetic appearance
- Solid stainless construction permits easy installation using ordinary hand tools
- The flat back design allows extra wiring capacity
- No minimum package qty. required
- Cover and Gasket set included
- Form 8 style

Certifications and Compliances:

UL 514A Listed
 UL File # E307133
 Intended for installation in accordance with Article 314 of
 ANSI/NFPA 70, "National Electrical Code" (NEC)
 Approved for Wet Locations



Material:

Body: 316SS
 Gasket: Neoprene
 Cover and Screws: 316SS

Applications:

To connect and change direction of conduit runs. Can be used as pulling fittings.
 Accessible wiring chamber provides a spacious location to make splices.

Industries Commonly Served:

- Food & Beverage Production
- Marine & Coastal Facilities
- Chemical Plants
- Water & Wastewater Treatment
- Pharmaceuticals & Cosmetics
- Refining & Extraction Sites
- Petrochemical
- Pulp & Paper Mills
- Along with other corrosive environments

Part Number	Trade Size	A	B	C	a	Cubic Inches	Weight (each) Per lb.
S60500XB00	1/2"	5.132"	2.132"	1.700"	4.320"	4"	1.00
S60700XB00	3/4"	5.739"	2.474"	1.975"	4.950"	7"	1.40
S61000XB00	1"	6.680"	2.790"	2.225"	5.650"	11"	2.00
S61500XB00	1-1/2"	8.868"	3.585"	3.095"	7.810"	35"	4.40
S62000XB00	2"	11.274"	4.610"	3.353"	10.00"	71"	6.85

*All dimensions are for informational purposes only *Tolerances +/- 5%*

STAINLESS STEEL T CONDUIT BODY



Features:

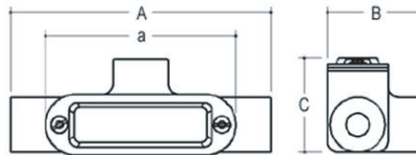
- Manufactured in Type 316 stainless steel to meet any stringent sanitary condition
- Polished with standard "brite" finish to increase corrosion resistance and aesthetic appearance
- Solid stainless construction permits easy installation using ordinary hand tools
- The flat back design allows extra wiring capacity
- No minimum package qty. required
- Cover and Gasket set included
- Form 8 Style

Certifications and Compliances:

- UL / cUL 514A Listed
- UL file number _ E307133
- Article 314, "National Electrical Code" (NEC)
- Canadian Electrical Code (CEC), Part 1, Standard for Electrical Installations

Material:

Body - 316SS
Gasket - Neoprene
Cover and Screws: 316SS



Applications:

To connect and change direction of conduit runs. Can be used as pulling fittings.
Accessible wiring chamber provides a spacious location to make splices.

Industries Commonly Served:

- Food & Beverage Production
- Marine & Coastal Facilities
- Chemical Plants
- Water & Wastewater Treatment
- Pharmaceuticals & Cosmetics
- Refining & Extraction Sites
- Petrochemical
- Pulp & Paper Mills

Part Number	Trade Size	A	B	C	a	Cubic Inches	Weight (each) Per lb.
S60500TE00	1/2"	5.940"	2.132"	2.030"	4.320"	5"	1.28
S60700TE00	3/4"	6.538"	2.474"	2.320"	4.940"	9"	1.89
S61000TE00	1"	7.690"	2.830"	2.330"	5.650"	13"	2.50
S61200TE00	1-1/4"	8.520"	3.190"	2.900"	6.530"	24"	3.50
S61500TE00	1-1/2"	9.923"	3.585"	3.000"	7.810"	35"	5.00
S62000TE00	2"	12.30"	4.700"	3.880"	10.00"	77"	9.82
S62500TE00	2-1/2"	15.29"	6.200"	4.550"	12.00"	160"	14.32
S63000TE00	3"	15.33"	6.280"	4.520"	12.00"	177"	15.00
S64000TE00	4"	18.34"	7.610"	5.930"	14.63"	382"	30.00

*All dimensions are for informational purposes only *Tolerances +/- 5%*



STAINLESS STEEL FD AND FS DEVICE BOXES

Features:

- Manufactured in type 316 stainless steel for increased corrosion resistance
- Polished with standard "brite" finish to increase corrosion resistance and aesthetic appearance
- Machined standard NPT threads
- Internal grounding screw included
- Manufactured with mounting feet
- No package qty. required

Certifications and Compliances:

- UL/cUL 514A Listed
- File # E307133
- Intended for installation in accordance with Article 314 of ANSI/NFPA 70, National Electrical Code (NEC)

Material

Body - 316SS
Grounding Screws - 316SS
Washer - Brass

Applications:

Used for wiring devices, such as switches and receptacles.

Industries Commonly Served:

- Food & Beverage Production
- Marine & Coastal Facilities
- Chemical Plants
- Water & Wastewater Treatment
- Pharmaceuticals & Cosmetics
- Refining & Extraction Sites
- Petrochemical Operations
- Pulp & Paper Mills
- Along with other corrosive environments



Part Number	Size	Overall Length	Overall Width	Depth	Cubic in.	Center Hole to Center Hole	Mounting Feet Hole Dia.	Weight each per lb
S60700FD00	3/4"	5.430"	2.850"	2.650"	25"	3.250"	5/16"	2.38
S60700FS00	3/4"	5.430"	2.850"	2.000"	18"	3.250"	5/16"	2.06

All dimensions are for informational purposes only *Tolerances +/- 5%

STAINLESS STEEL HUBS



Features:

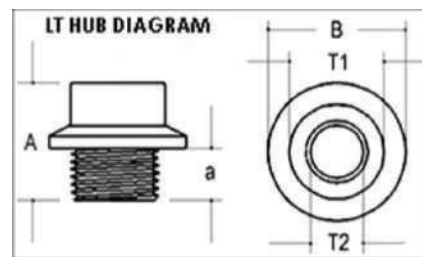
- Manufactured in type 316 stainless steel to meet any stringent sanitary condition
- Polished with standard "brite" finish to increase corrosion resistance and aesthetic appearance
- Designed for use with stainless threaded conduit
- Use of neoprene O-ring assures weatherproof seal
- Includes a type 316 stainless steel locknut for a secure installation
- No package qty. required

Certifications and Compliances:

- Manufactured to UL 514B / NEMA standards

Applications:

To connect threaded stainless conduit to a threadless opening in a box or enclosure in an outdoor or indoor location. To positively bond conduit to a box or enclosure.

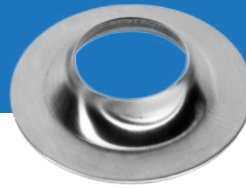


Industries Commonly Served:

- Food & Beverage Production
- Marine & Coastal Facilities
- Chemical Plants
- Water & Wastewater Treatment
- Pharmaceuticals & Cosmetics
- Refining & Extraction Sites
- Petrochemical Operations
- Pulp & Paper Mills
- Along with other corrosive environments

Part Number	DIM A	A	B	a	T1	T2	Male Thread O.D.	Weight each per lb
S60500LT00	1/2"	1.520"	1.590"	0.620"	1.010"	0.750"	0.840"	0.18
S60700LT00	3/4"	1.530"	1.820"	0.625"	1.260"	0.960"	1.050"	0.24
S61000LT00	1"	1.830"	2.080"	0.625"	1.560"	1.210"	1.315"	0.42
S61200LT00	1-1/4"	2.060"	2.490"	0.850"	1.960"	1.560"	1.660"	0.64
S61500LT00	1-1/2"	2.080"	2.560"	0.870"	2.140"	1.800"	1.900"	0.66
S62000LT00	2"	2.155"	3.125"	0.875"	2.730"	2.290"	2.375"	1.02
S62500LT00	2-1/2"	2.720"	3.620"	0.950"	3.310"	2.730"	2.875"	1.92
S63000LT00	3"	2.91"	4.375"	0.975"	3.860"	3.350"	3.500"	2.40
S64000LT00	4"	3.190"	5.460"	1.090"	5.000"	4.360"	4.500"	4.06

All dimensions are for informational purposes only *Tolerances +/- 5%



STAINLESS STEEL ESCUTCHEON PLATES / WALL FLANGES

Features:

- Manufactured in type 304 stainless steel
- Polished with standard "brite" finish to increase corrosion resistance and aesthetic appearance
- No package qty. required

Applications:

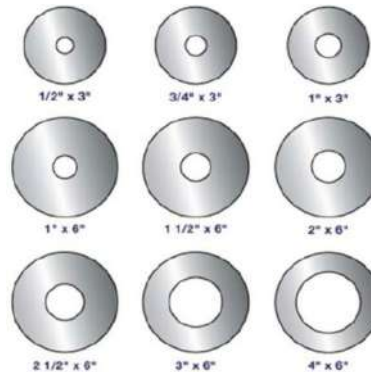
Stainless steel Escutcheons are used in conjunction with mechanical, electrical, and plumbing components and fixtures where a pipe, tube or conduit passes through a wall [or other material] surface. The escutcheon is used to bridge the gap between the outside diameter of the conduit and the inside diameter of the opening.



Industries Commonly Served:

- Food & Beverage Production
- Marine & Coastal Facilities
- Chemical Plants
- Water & Wastewater Treatment
- Pharmaceuticals & Cosmetics
- Refining & Extraction Sites
- Petrochemical
- Pulp & Paper Mills
- Along with other corrosive environments

Part Number	Size	OD	Blank ID (Hole Dia)	Overall Height	Weight per each (lbs)
S40500EP00	1/2"	3"	0.850"	0.285"	0.09
S40700EP00	3/4"	3"	1.060	0.350"	0.10
S41000EP00	1"	3"	1.350	0.450"	0.12
S41200EP00	1 - 1/4"	6"	1.750"	0.585"	0.38
S41500EP00	1 - 1/2"	6"	1.920"	0.350"	0.36
S42000EP00	2"	6"	2.400"	0.440"	0.34
S42500EP00	2 - 1/2"	6"	2.900"	0.500"	0.32
S43000EP00	3"	6"	3.530"	0.500"	0.30
S44000EP00	4"	6"	4.530"	0.500"	0.24



All dimensions are for informational purposes only *Tolerances +/- 5%



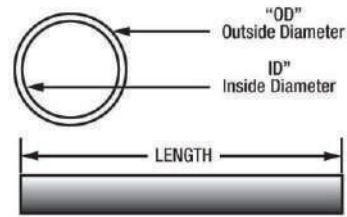
STAINLESS STEEL RIGID CONDUIT

Features:

- Manufactured in Type 304 and 316 stainless steel to meet the demands of any corrosive environment
- Polished to a bright, easily maintainable finish that is modern, attractive, easy to clean and that also enhances the surface's resistance to pitting and bacterial corrosion
- Calbrite stainless steel rigid conduit is installed in the same way as any other metallic conduit, there are none of the labor-intensive procedures that come with PVC- coated installations, nor the complicated maintenance and repair procedures
- Standard NPT threads allow for trouble-free installations
- Approx. Heat Tolerance = -150°F to 1600°F
- Includes one coupling with each length purchased

Certifications and Compliances:

- UL / cUL 6A Listed
- UL file number _ E230584
- Article 344, "National Electrical Code" (NEC)
- CSA C22.1
- Canadian Electrical Code (CEC), Part 1, Standard for Electrical Installations
- NSF / ANSI 169 Certified



Applications:

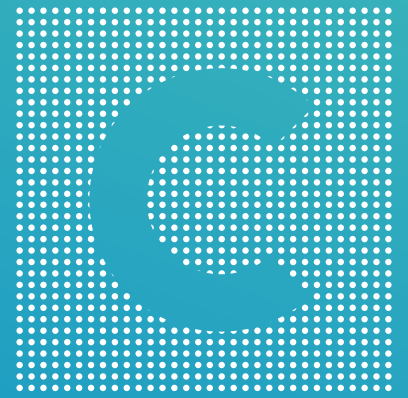
Stainless conduit is specified in corrosive applications that exceed the limitations of aluminum, fiberglass, rigid steel, PVC, & PVC coated conduit. Calbrite's Type 304 and 316 UL-listed stainless steel conduit meets and exceeds current requirements for wash down and harsh / corrosive environments and satisfies the strictest mandates for plant cleanliness by various state agencies, and hundreds of common regulatory requirements.

Industries Commonly Served:

- Food & Beverage Production & Distribution
- Chemical Plants
- Water & Wastewater Treatment
- Pharmaceuticals & Cosmetics
- Refining & Extraction Sites
- Petrochemical
- Pulp & Paper Mills
- Marine & Coastal Facilities

Type 304 Part Number	Type 316 Part Number	Trade Size	Outside Diameter	Inside Diameter	Threads per Inch	Length w/o Coupling	Weight Per Feet (lbs.)
S40510CT00	S60510CT00	1/2"	0.840"	0.622"	14	9' 11-1/4"	0.82
S40710CT00	S60710CT00	3/4"	1.050"	0.824"	14	9' 11-1/4"	1.09
S41010CT00	S61010CT00	1"	1.315"	1.049"	11.5	9' 11"	1.61
S41210CT00	S61210CT00	1-1/4"	1.660"	1.380"	11.5	9' 11"	2.18
S41510CT00	S61510CT00	1-1/2"	1.900"	1.610"	11.5	9' 11"	2.63
S42010CT00	S62010CT00	2"	2.375"	2.067"	11.5	9' 11"	3.50
S42510CT00	S62510CT00	2-1/2"	2.875"	2.469"	8	9' 10-1/2"	5.59
S43010CT00	S63010CT00	3"	3.500"	3.068"	8	9' 10-1/2"	7.27
S44010CT00	S64010CT00	4"	4.500"	4.026"	8	9' 10-1/4"	10.08
S45010CT00	S65010CT00	5"	5.563"	5.073"	8	9' 10"	14.61
S46010CT00	S66010CT00	6"	6.625"	6.093"	8	9' 10"	18.97

All dimensions are for informational purposes only *Tolerances +/- 5%



CLEAR
LED™

MEDIA FAÇADE **INTEGRATED** **Distribution Box**

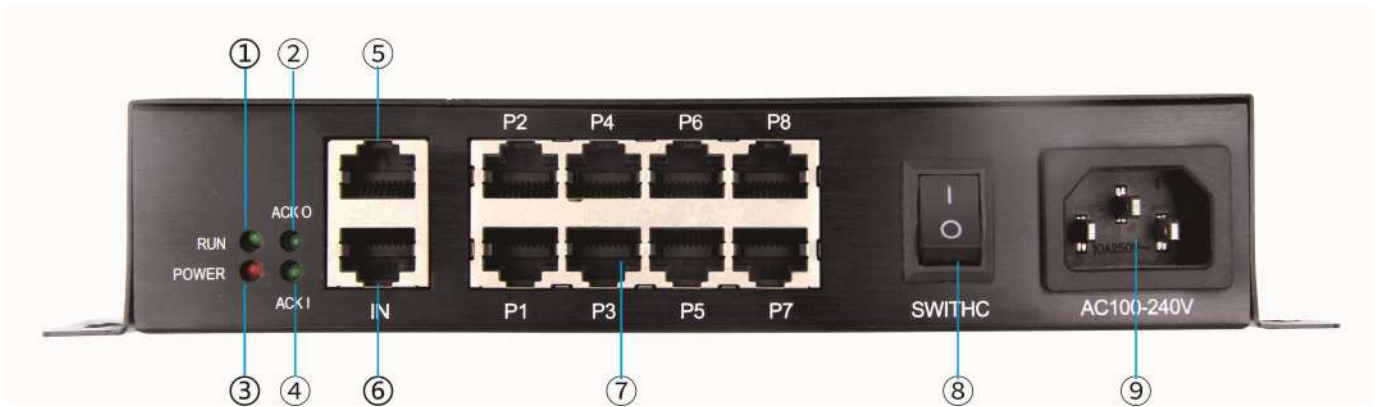
ClearLED

+ 1 778 373 5701

info@clearled.com

clearled.com

SCHEMATICS



- (1) Forward Data Indicator
- (2) ACKO
- (3) Power Indicator
- (4) Data Input Indicator
- (5) Cascade port
- (6) PC connection port
- (7) 8-channel Data port
- (8) Switch
- (9) AC100V-240V 50/60Hzl

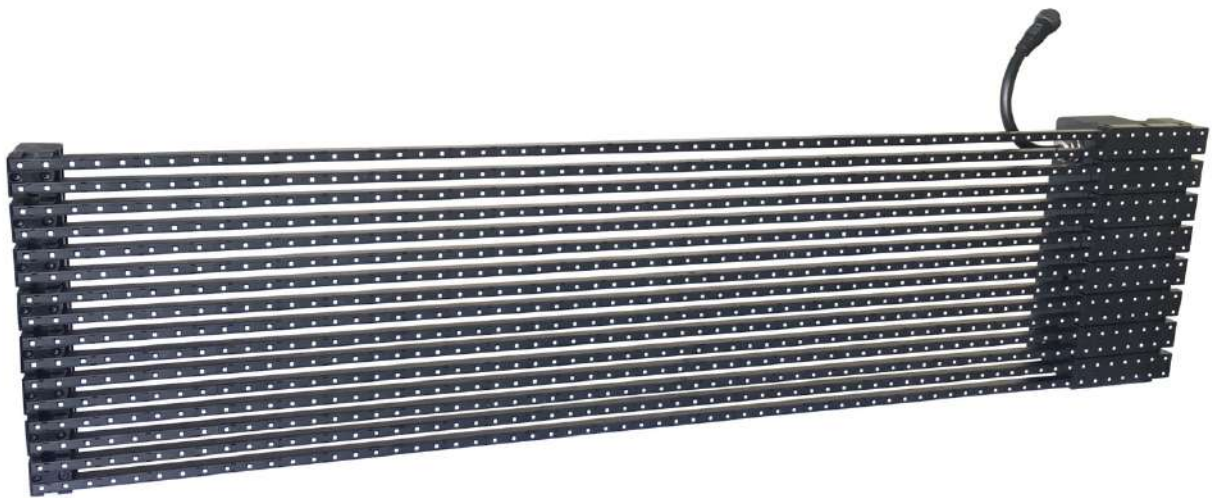
SPECIFICATIONS

ITEMS	PARAMETERS
Model	Clearled_DB1
Dimension	L 189mm x W 155mm xD 40mm
Weight	>1Kg
Finish Color	Black
Max. Power Consumption	15W/unit
Work Power	AC100-240V 50/60Hz
Heat Output	3J/s
Output Data	MByte
Input Data	Gigabyte
Gray scale Level	256-65536
Loading Capacity	1,000,000 pixels
Working Temperature	-20°C ~ +65°C
Software	LEDEasy & EasyVideo



CLEAR
LED™

WO16 LED MESH DISPLAY



Features

High transparent

Light bar width less than 8mm, so that its transparency up to 50%, it installed inside or outside of glass wall, do not affect indoor brightness. If installed on the roof, can reduce the wind resistance effectively.

High brightness

LEDs on the LED light bars adopt SMD3535 with good color uniformity, brightness up to above 5500CD per sq.m., completely can meet requirements of daytime display.

Easy maintainess

This LED light bars can be maintained from both front and rear, and can replace single light bar, can choose different requirements according to different requirements according to different application, for example, you can choose front maintain if installed before façade of building; also can choose rear maintaince if installed behind glass wall.

Easy control

Adopting parallel transmission, each light bar can work independently, do not effect other light bars work, and light bar can be any customized, so that can meet any different requirements.

High level protection

IP66, it suitable for indoor or outdoor, use aircraft aluminum extrusion, the surface is treated with special environmentally-friendly dichromate solution, with good cooling and anti-corrosion function.

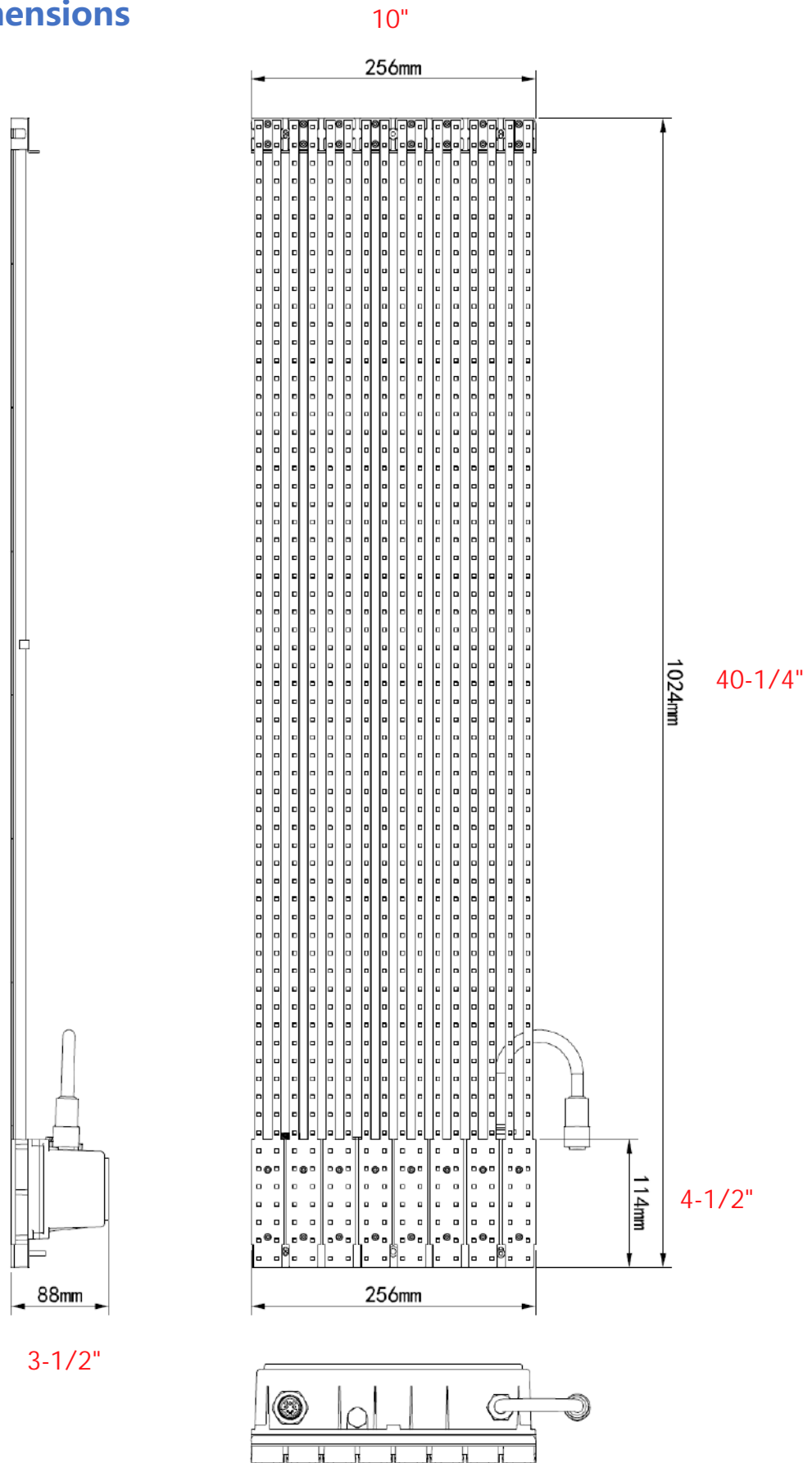
Light weight

The weight less than 18kg per square meter, easy to transport, reduce labor and delivery cost.

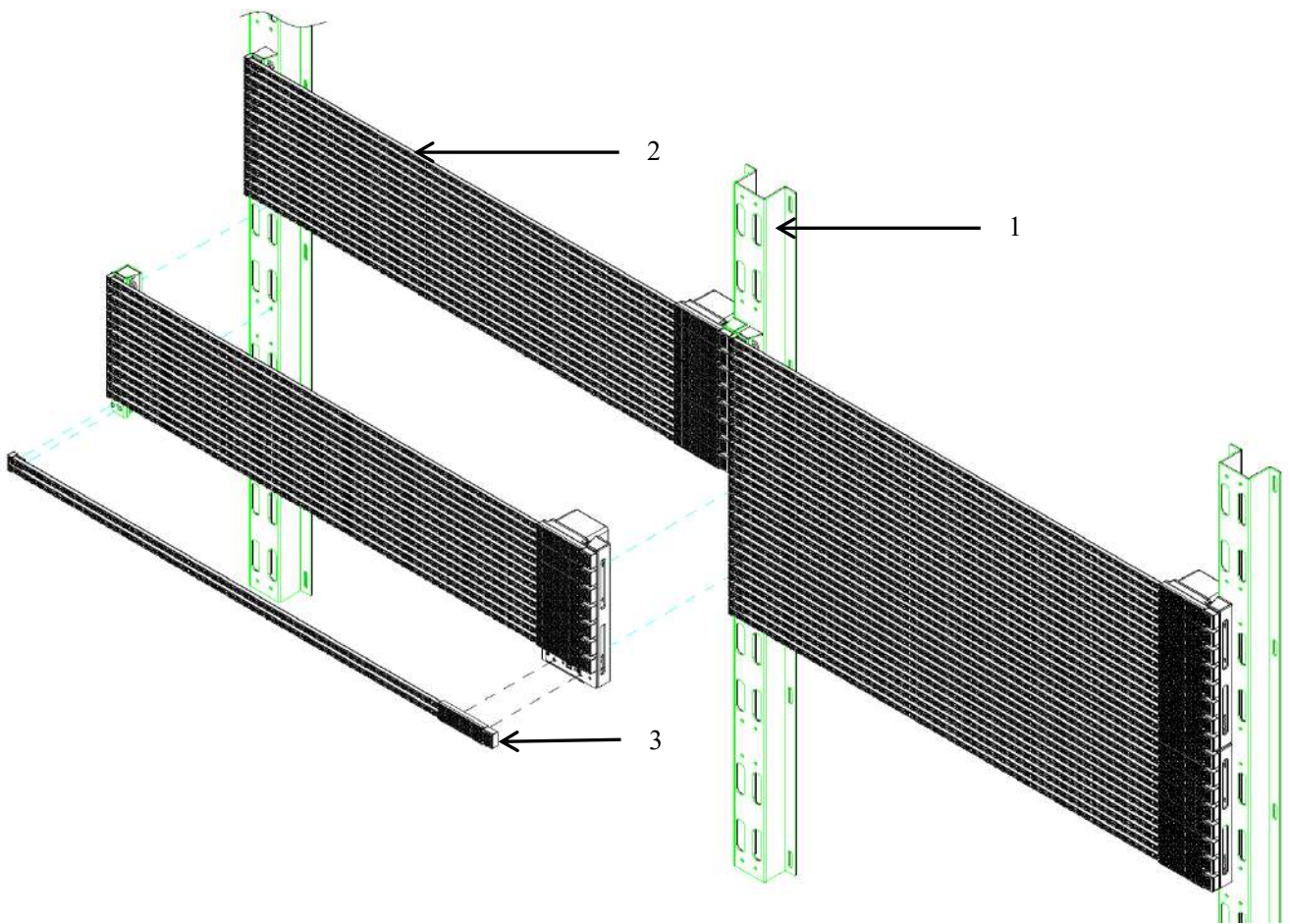
■ Specifications

P16 LED Grille screen	MH-M-SMD-P16
Pixel Pitch	16mm
Pixel Density	3906/sq.m.
Pixel per Tile	64x16
LED Configuration	SMD 3-in-1
Brightness(CD/m ²)	>5500
Viewing Angle	H120°/V120°
Transparency	> 50%
Tile dimension(WxHxD)	1024mm x 256mm x 88mm
Tile Weight	4.7Kg
IP(Front & Rear)	IP66
Grey Scale	16bit
Scan	Static
Refresh Rate	>3840Hz
Voltage	AC85V--AC265V
Max Power per Tile	220W /panel
Control Mode	Computer or SD card
Strip Orientation	Horizontal or Vertical
Installation	Hang up or fixed installation
Lifetime	≥100,000h
Operating Temp/Humidity	-20°C--45°C , 10%--90%RH
Storage Temp/Humidity	-40°C--60°C , 10%--90%RH

■ Dimensions



Installation



OUTDOOR

SONANCE LANDSCAPE SERIES

LS4T SAT

Overview

The LS4T SAT is the first generation of Sonance Landscape Series to include a wide bandwidth Sonance Laminated Core Transformer with an adjustable tap, making it flexible and powerful for any outdoor landscape application. The SLS Sat and Sub system provides a superior landscape aesthetic with its discreet design and finish. The system blends into the terrain along walkways, tucked into planter beds, mounted up in the trees, and anywhere you want your audio to reach.

The all new Sonance SLS speakers and subwoofers are redesigned and engineered from the ground up for ultimate performance in any outdoor space, paving the way for premium audio in outdoor entertaining spaces. Designed using performance features borrowed from both Sonance Professional Series and Visual Performance Extreme, Sonance Landscape Series boasts a completely immersive and performance-driven outdoor experience.



LS4T SAT

Key Features

Aesthetics

- Designed to blend in with landscape surroundings
- Color-molded composite construction won't chip, peel or fade over time

Performance

- Part of a scalable system that delivers perfectly even coverage and unequalled sonic performance throughout any space
- 4 1/2" woofer
- Sonance Laminated Core Transformer (SLCT) with an adjustable Tap for 40W, 20W, 10W, (5W 70V), and 8 Ohm installations

Installation

- 1/2" NPS male mounting threads enable flexible mounting options
- Enhanced mounting knuckle design

Environmental

- Color-molded composite construction won't chip, peel or fade over time
- UV-resistant composite enclosure
- High heat ABS, non-corrosive sealed enclosure to handle extreme conditions
- Rust-proof grille; removeable for easy replacement
- IP66 and MIL STD 810 rated



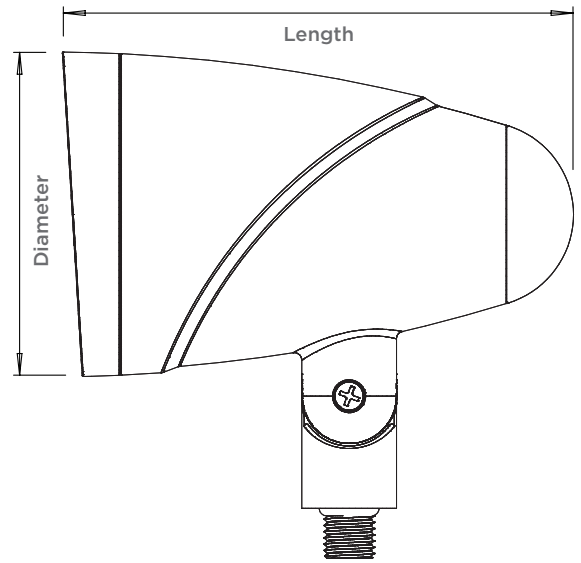
Ground stake sold separately

Dimensions



Length:	8.07" (205mm)
Diameter:	5.12" (130mm)

Specifications

SKU:	93369
Unit of Measure:	Each
Tweeter:	1" (25mm) Polyurethane dome
Woofers:	4 1/2" (114mm) Injection molded polypropylene cone with a Santoprene™ rubber surround
Frequency Response:	75Hz - 20kHz ±3dB
Transformer Taps:	40W, 20W, 10W, (5W 70V), 8 Ohms
Enclosure Material:	High Heat ABS, non-corrosive sealed enclosure
Dimensions (L x Dia.):	8.07" x 5.12" (205mm x 130mm)
Shipping Weight:	6.28 lbs (2.85 kg) each



Recommended Products

Sonamp DSP 2-750 MKII Amplifier (Each)	93379	
LS12T SUB (Each)	93371	
LS15T SUB (Each)	93372	
HS12T SUB (Each)	93373	
9" Ground Stake for LS4T SAT (Each)	92924	
Tree Mount for LS4T SAT (Each)	92927	
Surface Mount for LS4T SAT (Each)	92926	

LIMITED FIVE (5) YEAR WARRANTY

Sonance warrants to the first end-user purchaser that this Sonance-brand product ("Product"), when purchased from an authorized Sonance Dealer/Distributor, will be free from defective workmanship and materials for the period stated below. Sonance will at its option and expense during the warranty period, either repair the defect or replace the Product with a new or remanufactured Product or a reasonable equivalent. Warranty Period for this Product: Five (5) years from the date on the original sales receipt or invoice or other satisfactory proof of purchase.



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Due to continuous product improvement, all features and specifications are subject to change without notice.

For the latest Sonance product specification information visit our website: www.sonance.com

SONANCE • 991 Calle Amanecer • San Clemente, CA 92673 USA
(949) 492-7777 • FAX: (949) 361-5151 • Technical Support: (949) 492-7777

www.sonance.com

OUTDOOR

SONANCE LANDSCAPE SERIES

LS12T SUB

Overview

The LS12T SUB is the first generation of Sonance Landscape Series to include a wide bandwidth Sonance Laminated Core Transformer with an adjustable tap, making it flexible and powerful for any outdoor landscape application. The SLS Sat and Sub system provides a superior landscape aesthetic with its discreet design and finish. The system blends into the terrain along walkways, tucked into planter beds, mounted up in the trees, and anywhere you want your audio to reach.

The all new Sonance SLS speakers and subwoofers are redesigned and engineered from the ground up for ultimate performance in any outdoor space, paving the way for premium audio in shared outdoor environments. Designed using performance features borrowed from both Sonance Professional Series and Visual Performance Extreme, Sonance Landscape Series boasts a completely immersive and performance-driven outdoor experience.

Key Features

Aesthetics

- Designed to blend in with landscape surroundings
- Color-molded composite construction won't chip, peel or fade over time

Performance

- Part of a scalable system that delivers perfectly even coverage and unequalled sonic performance throughout any space
- Polypropylene cone woofer with a Santoprene rubber surround for high excursion Sonance Laminated Core Transformer with an adjustable Tap for 300W, 150W, 75W, (38W 70V), and 8 ohm installations
- Laminar Flow Port reduces distortion and improves frequency response

Installation

- Vertically buried for easy installation

Environmental

- UV-resistant, low density polyethylene enclosure
- Robust construction to handle extreme conditions
- IP66 and MIL STD 810 rated

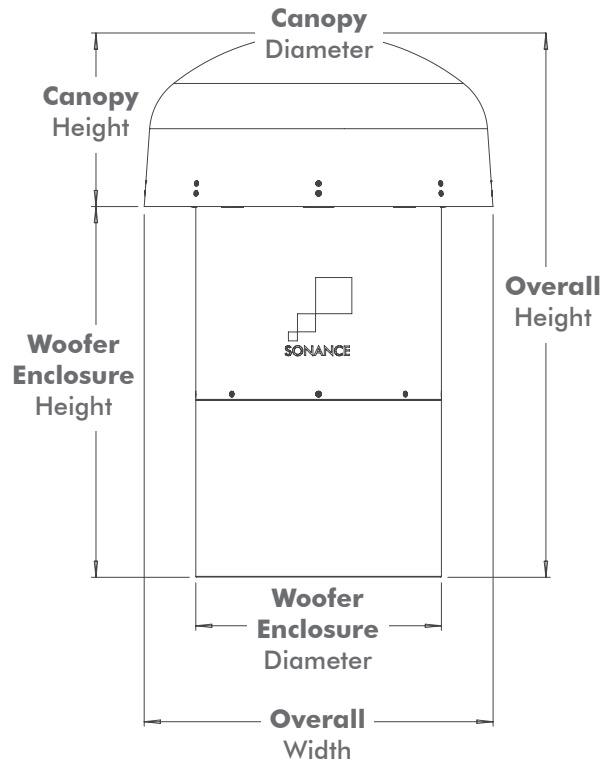


LS12T SUB






Specifications

SKU:	93371
Woofers:	12" (305mm) polypropylene cone with a Santoprene™ rubber surround
Frequency Response:	22Hz - 100Hz ±3dB
Transformer Taps:	300W, 150W, 75W, (38W 70V), 8 Ohms
Crossover Frequency:	100Hz
Enclosure Material:	Low density polyethylene
Finish:	Dark brown textured canopy
Dimensions:	Overall
	Width: 16.97" (431mm)
	Height: 29.13" (740mm)
	Woofers Enclosure
	Height: 20.70" (526mm)
	Diameter: 13.78" (350mm)
	Canopy
	Height: 8.43" (214mm)
	Diameter: 16.97" (431mm)
Shipping Weight:	70.55 lbs (32.0kg)



Recommended Products

Sonamp DSP 2-750 MKII Amplifier (Each)	93379	
LS4T SAT (Each)	93369	
LS6T SAT (Each)	93370	

LIMITED FIVE (5) YEAR WARRANTY

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www.sonance.com

XHB432



43" Xtreme™ High Bright Outdoor Display

There has never been an outdoor daylight readable display built to withstand the harsh outdoor elements like the Peerless-AV® Xtreme™ High Bright. Featuring a fully sealed, IP68 Rated design and a patented Dynamic Thermal Transfer™ System, Xtreme High Bright Outdoor Displays are maintenance-free, with no fans, vents or filters, and are fully protected against water, dust, moisture and even insects. The display's cover glass is optically bonded, which increases the perceived contrast ratio and cuts down on glare, providing amazing picture quality even in direct sunlight. With an operating temperature range of -31°F to 140°F, Xtreme Displays are designed to thrive year-round outside, without worry of extreme hot or cold temperature waves. This High Bright line of commercial displays offer 2500nits of light output to combat high ambient lighting conditions, while the ambient light sensor automatically adjusts the display's brightness to optimize the power consumption and enhance the viewing experience. Providing unmatched capabilities, Xtreme High Bright Outdoor Displays are the perfect digital signage or entertainment solution for any professional application.



All Weather Rated: IP68



Operating Temperature Range: -31°F - 140°F

- Optically bonded, anti-reflective cover glass increases the perceived contrast ratio and cuts down on glare, providing amazing picture quality, even in direct sunlight
- Daylight readable with LED backlight and full HD 1080p resolution for a bright, crisp picture
- Includes Quarter Wave Plate polarizer, allowing for portrait and landscape installations
- IPS panel provides color accuracy, even at the harshest of angles
- Remote and Local monitoring, supported via IP addressable user interface, for temperature, humidity, and power draw diagnostics of the display
- Waterproof Xtreme™ Outdoor Soundbar delivers highest quality sound (optional accessory)

■ AMBIENT LIGHT SENSOR

Automatically adjusts brightness to best match the lighting conditions, which optimizes the display's power consumption and enhances the viewing experience (optional ALS extender accessory available)

■ HIGH BRIGHT OUTPUT

Offers 2500nits of light output to combat high ambient lighting conditions



■ FULLY-SEALED DESIGN

Highest environmental rating (IP68) prevents the ingress of foreign materials, such as water, dust, moisture and insects, from entering the display

■ IK10 RATED, IMPACT RESISTANT, TEMPERED COVER GLASS

Protects the screen against vandalism and debris

■ PATENTED DYNAMIC THERMAL TRANSFER™ SYSTEM

Keeps internal components properly cooled in extreme heat



RoHS 2002/95/EC

FC

CE

IP



info@peerless-av.com

peerless-av.com

peerless-AV®
Driving Technology Through Innovation

XHB432 43" Xtreme™ High Bright Outdoor Display

LCD Display

ACTIVE SCREEN SIZE	42.51" (1080mm) Diagonal
PIXEL PITCH	.4902 x .4902mm
ASPECT RATIO	16:9
RESOLUTION	1920 x 1080
COLOR DEPTH	8Bit (16.7 Million Colors)
BRIGHTNESS	2,500cd/m²
BACKLIGHT ADJUSTMENT	Automatic (Ambient Light Sensor)
CONTRAST RATIO	1300:1
VIEWING ANGLE	178° Vertical/Horizontal
RESPONSE TIME	12ms (Gray to Gray)
REFRESH RATE	60Hz
OPERATING TIME	24/7

TV Controller Features

ANALOG TV	NTSC
DIGITAL TV	ATSC, MPEG4, QAM256, H.264
PICTURE ADJUSTMENT	Brightness, Contrast, Tint, Sharpness, Color
PICTURE MODE	Standard, Dynamic, Personal, Theater
COLOR TEMPERATURE ADJUSTMENT	Cool, Normal, Warm, Personal
SCREEN ADJUSTMENT	4:3, 16:9, Full, Zoom, Point to Point
CLOCK, SLEEP TIMER	Yes
V-CHIP	Yes

Input/Output Connections

TV INPUT	Coax, 75 ohm (x1)
VGA INPUT	15 pin D-SUB (x1)
HDMI INPUT	HDMI (x3), 480i, 480p, 720p, 1080i, 1080p
CVBS INPUT	3.5mm (x1)
YPBPR INPUT	3.5mm (x1)
VGA STEREO AUDIO INPUT	3.5mm (x1)
DISPLAYPORT	DP (x1)
ANALOG AUDIO OUTPUT	3.5mm Headphone Jack (x1)
DIGITAL AUDIO OUTPUT	Optical (x1)
USB DATA INPUT	USB 2.0 A (x1) [Audio, Video, Text & Photo]
RS232	DB-9 (Female)
12VDC 2.5A OUTPUT	2.5mm (x1)
USB POWER 5VDC 2.4A OUTPUT	USB 2.0 A (x1)
IR EXTENDER	3.5mm (x1)
AMBIENT LIGHT SENSOR EXTENDER	3.5mm (x1)
LAN INPUT	RJ-45 (x1)

Mechanical

SIZE (W x H x D)	39.50" x 23.28" x 4.89" (1003 x 591 x 124mm)
COLOR	Black
GLASS	IK10 Rated, Tempered & Anti-reflective
VESA® PATTERN	400 x 200, 400 x 400mm
NET WEIGHT	88lb (39.91kg)
INPUT COMPARTMENT (W X H X D)	12.06" x 4.99" x 2.21" (306 x 126 x 56mm)

Environmental

OPERATING TEMPERATURE	-31°F - 140°F (-35°C - 60°C)
IP RATING	IP68
SAFETY/EMC	FCC Class A

Power

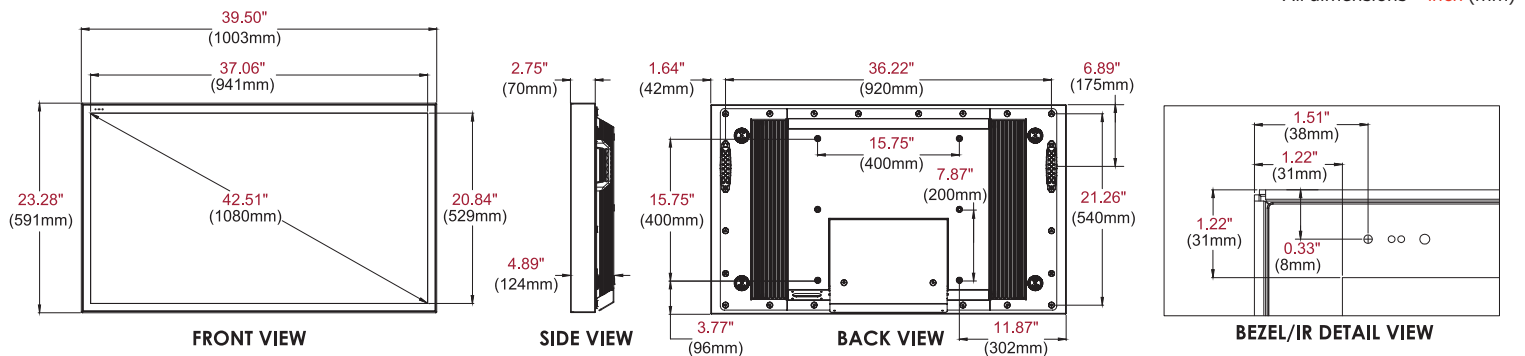
AC INPUT	100 VAC to 240 VAC, 50 to 60 Hz
POWER CONSUMPTION	293W

Package Specifications

	PACKAGE SIZE (W x H x D)	PACKAGE SHIP WEIGHT	PACKAGE UPC CODE	PACKAGE CONTENTS	PALLET SIZE (W X D)	UNITS IN PACKAGE
XHB432	45.5" x 28.25" x 10.63" (1156 x 718 x 270mm)	96lb (43.5kg)	735029322542	Display, Waterproof Universal Remote Control, User's Guide, Hex Wrench, Power Cord, IR Extender	45" x 55" (5x per pallet)	1

Accessories

- ACCD-05K: 5 Volt Accessory Kit
- ACCD-12K: 12 Volt Accessory Kit
- ACCD-ALG: Analog Accessory Kit
- ACCD-ALS: Ambient Light Sensor Extender
- EDS-VW765-LAND: SmartMount® Outdoor Full Service Video Wall Mount, Landscape
- EPA762PU: Outdoor Articulating Wall Mount
- EPT650(-S): Outdoor Universal Tilt Wall Mount
- ESA763PU: Outdoor Articulating Wall Mount
- ESF655P: Outdoor Universal Flat Wall Mount, Portrait
- ECMU: Wind Rated Ceiling Mount
- EPMU: Wind Rated Pedestal Mount
- EWMU: Wind Rated Wall Mount
- IRTO43-200: Xtreme™ Outdoor IR Touch Overlay
- SPK-080: Xtreme™ Outdoor Soundbar
- XACE-01: Xtreme™ Active Climate Enclosure (Small)
- XACE-02: Xtreme™ Active Climate Enclosure (Large)



Architect Specifications

The Xtreme™ High Bright Outdoor Display shall be a Peerless-AV model XHB432 and shall be located where indicated on the plans. Assembly and installation shall be done according to instructions provided by the manufacturer.

Visit peerless-av.com to see the complete line of AV solutions from Peerless-AV, including outdoor displays, wireless, kiosks, digital audio, display mounts, projector mounts, carts/stands, and a full assortment of accessories.

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(630) 375-5100
Fax: (800) 359-6500

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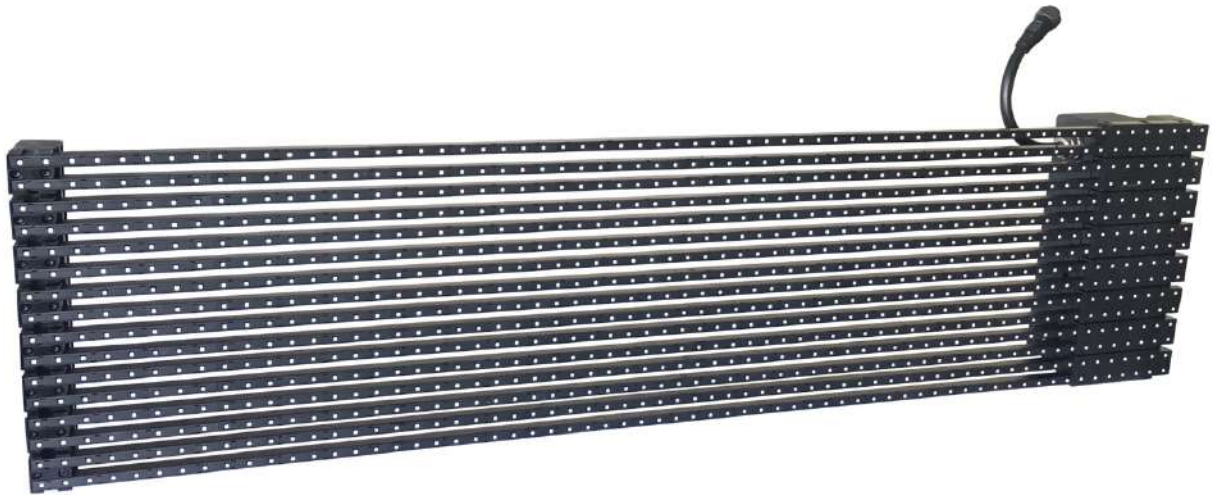
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CLEAR
LED™

WO16 LED MESH DISPLAY



Features

High transparent

Light bar width less than 8mm, so that its transparency up to 50%, it installed inside or outside of glass wall, do not affect indoor brightness. If installed on the roof, can reduce the wind resistance effectively.

High brightness

LEDs on the LED light bars adopt SMD3535 with good color uniformity, brightness up to above 5500CD per sq.m., completely can meet requirements of daytime display.

Easy maintainess

This LED light bars can be maintained from both front and rear, and can replace single light bar, can choose different requirements according to different requirements according to different application, for example, you can choose front maintain if installed before façade of building; also can choose rear maintaince if installed behind glass wall.

Easy control

Adopting parallel transmission, each light bar can work independently, do not effect other light bars work, and light bar can be any customized, so that can meet any different requirements.

High level protection

IP66, it suitable for indoor or outdoor, use aircraft aluminum extrusion, the surface is treated with special environmentally-friendly dichromate solution, with good cooling and anti-corrosion function.

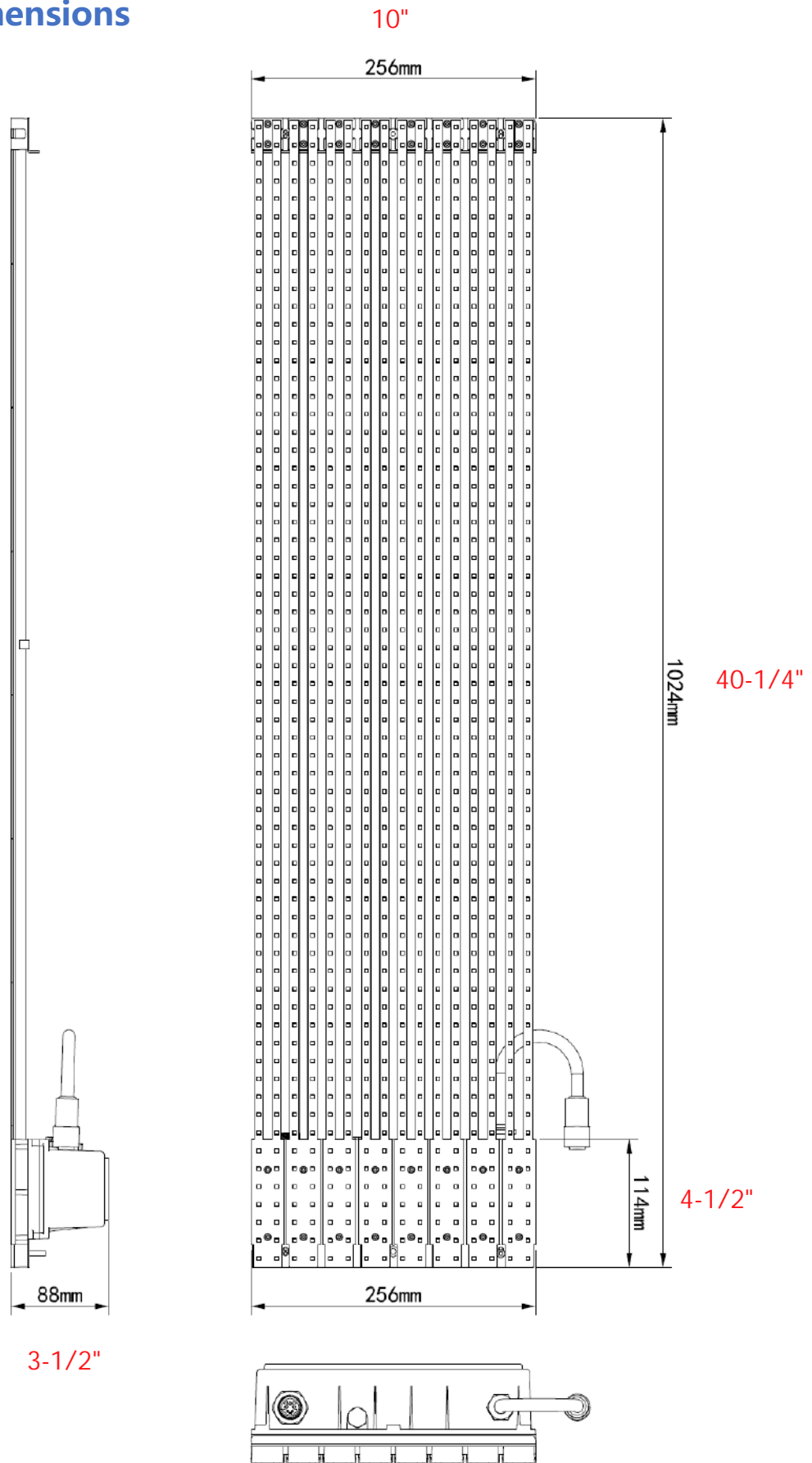
Light weight

The weight less than 18kg per square meter, easy to transport, reduce labor and delivery cost.

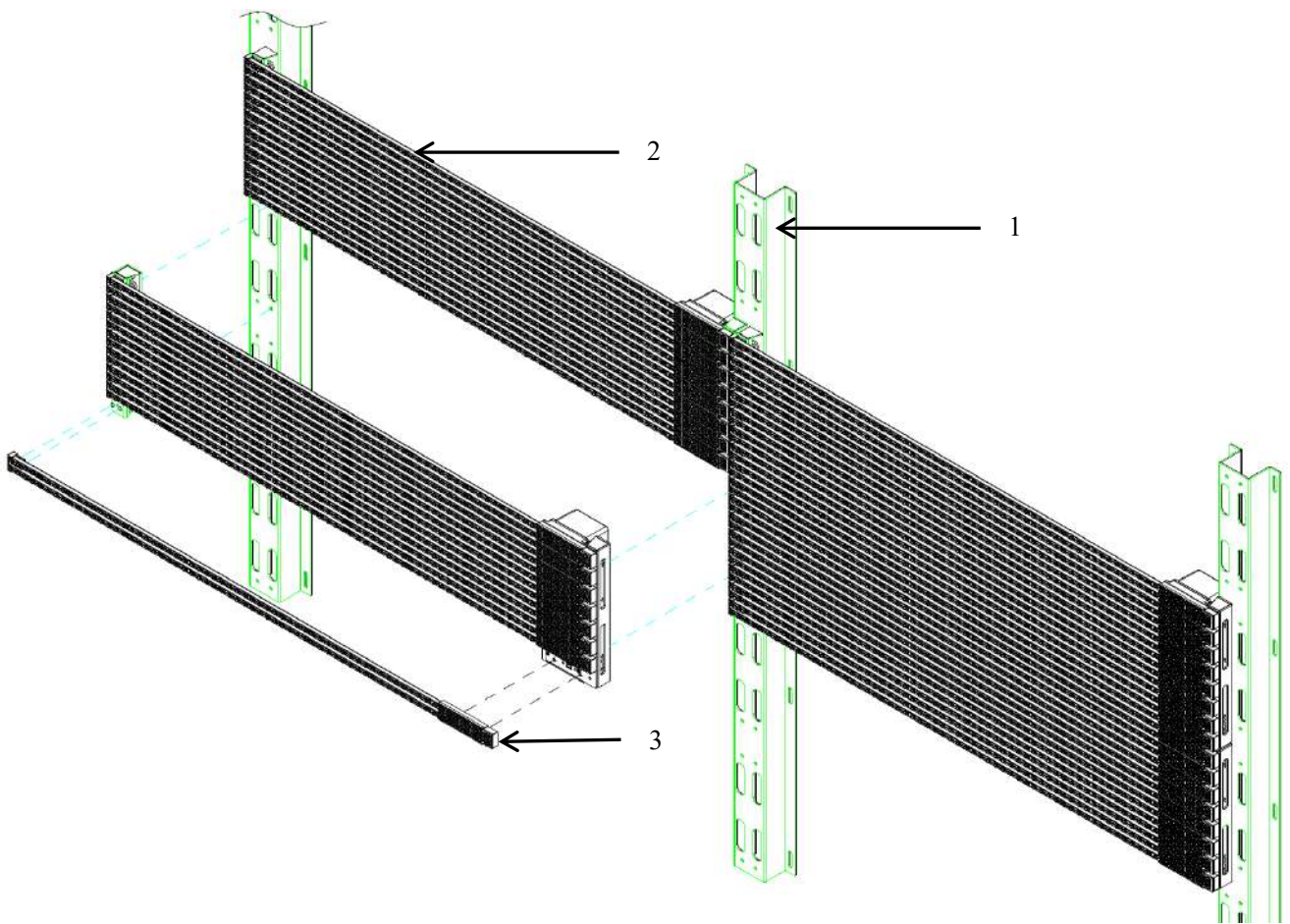
■ Specifications

P16 LED Grille screen	MH-M-SMD-P16
Pixel Pitch	16mm
Pixel Density	3906/sq.m.
Pixel per Tile	64x16
LED Configuration	SMD 3-in-1
Brightness(CD/m ²)	>5500
Viewing Angle	H120°/V120°
Transparency	> 50%
Tile dimension(WxHxD)	1024mm x 256mm x 88mm
Tile Weight	4.7Kg
IP(Front & Rear)	IP66
Grey Scale	16bit
Scan	Static
Refresh Rate	>3840Hz
Voltage	AC85V--AC265V
Max Power per Tile	220W /panel
Control Mode	Computer or SD card
Strip Orientation	Horizontal or Vertical
Installation	Hang up or fixed installation
Lifetime	≥100,000h
Operating Temp/Humidity	-20°C--45°C , 10%--90%RH
Storage Temp/Humidity	-40°C--60°C , 10%--90%RH

■ Dimensions



Installation





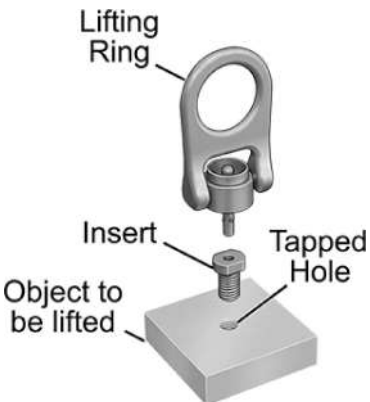
180° Pivot



360° Swivel



30° Lift Angle

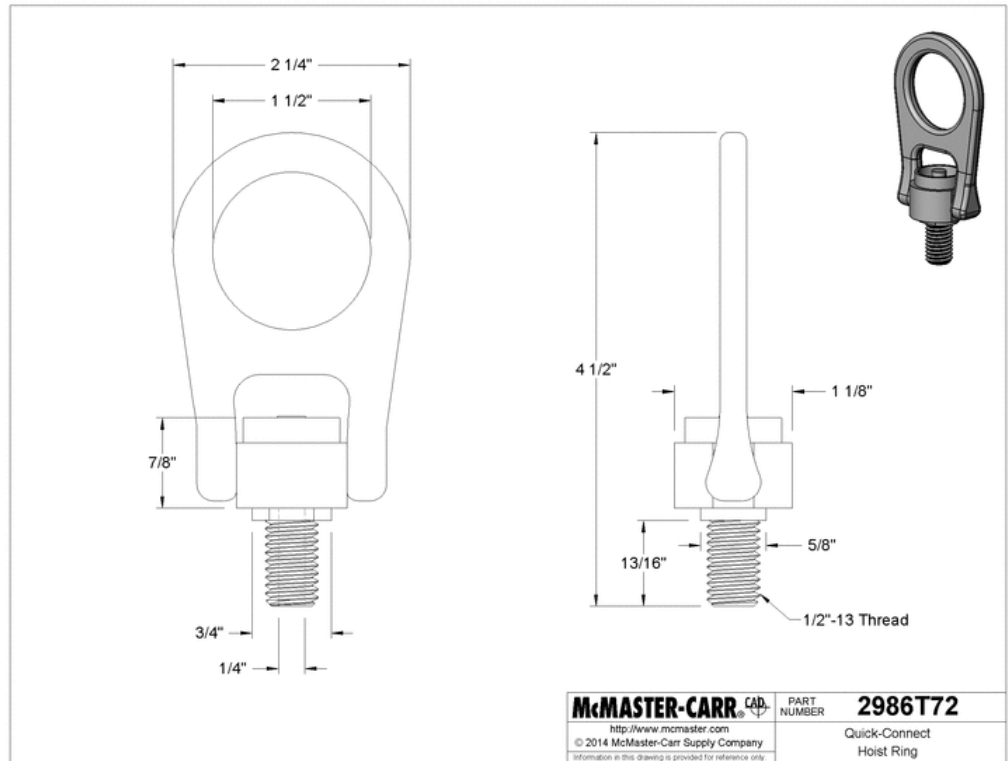


Application	For Lifting
Thread Size	1/2"-13
Thread Length	13/16"
Eye Diameter	1 1/2"
Overall Height	4 1/2"
Material	17-4 PH Stainless Steel
Vertical Capacity	400 lbs.
Insert Hole Diameter	1/4"
Movement	180° Pivot and 360° Swivel
RoHS	RoHS 3 (2015/863/EU) Compliant
REACH	REACH (EC 1907/2006) (06/25/2020, 209 SVHC) Compliant
DFARS	Specialty Metals COTS-Exempt
Country of Origin	United States
Related Product	Extra Inserts

Save time when lifting by quickly connecting and disconnecting your hoist ring. Designed for angular lifting, hoist rings resist stresses that would bend or break an eyebolt. They have a lifting ring that pivots 180° front to back and a base that swivels 360° to compensate for pitch, roll, and sway when lifting heavy or unbalanced loads. Thread the included insert into a tapped hole on your load, then lock the lifting ring into the insert. A button releases the lifting ring from the insert and is recessed to prevent accidental release. Extra inserts (sold separately) let you use one hoist ring on multiple items.

Note: Capacities listed are for vertical lifting only. As the lift angle changes from vertical, the amount of weight the hoist ring can lift is significantly reduced. For example, when lifting a 1,000 lb. load at a 45° angle, you must choose a hoist ring with a capacity of at least 1,400 lbs. Do not use at an angle less than 30°.

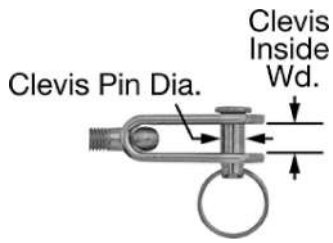
Warning: Never use to lift people or items over people.



Turnbuckle-Not for Lifting

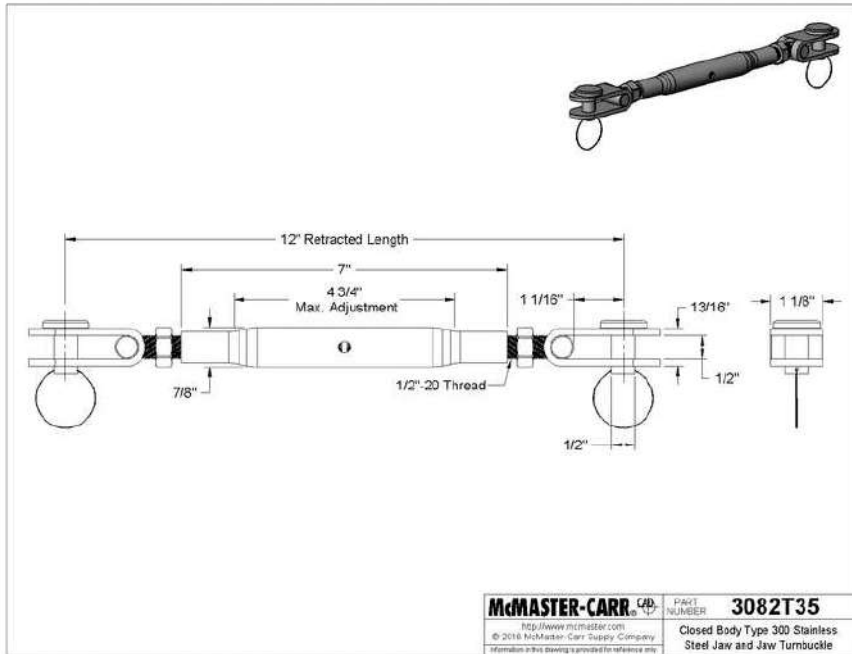
Closed Body, Clevis-to-Clevis, 316 Stainless Steel, 4200 lbs. Capacity

\$160.00 Each
3082T35



Application	Not for Lifting
Turnbuckle Type	Clevis to Clevis
Body	
Material	316 Stainless Steel
Style	Closed
Capacity	4,200 lbs.
Retracted Length	12"
Maximum Adjustment	4 3/4"
Extended Length	16 3/4"
End Fitting	
Material	Forged 316 Stainless Steel
Type	Clevis
Clevis Pin	
Diameter	1/2"
Closure Type	Cotter Ring
Clevis Movement	180° Pivot
Clevis Inside Width	1/2"
Thread Size	1/2"-20
Features	Jam Nuts, Bronze Pivot Insert
RoHS	RoHS 3 (2015/863/EU) Compliant
REACH	REACH (EC 1907/2006) (06/25/2020, 209 SVHC) Compliant
DFARS	Specialty Metals COTS-Exempt
Country of Origin	United States

The closed body protects threads from damage and debris and has a slim profile to fit in tight spaces. Made of 316 stainless steel, these turnbuckles have excellent corrosion resistance.



The information in this 3-D model is provided for reference only.

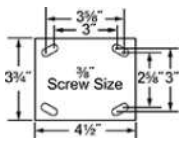
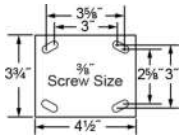
Washdown Caster

Rigid with 5" Diameter Rubber Wheel with Roller Bearing

\$107.81 Each
23815T16



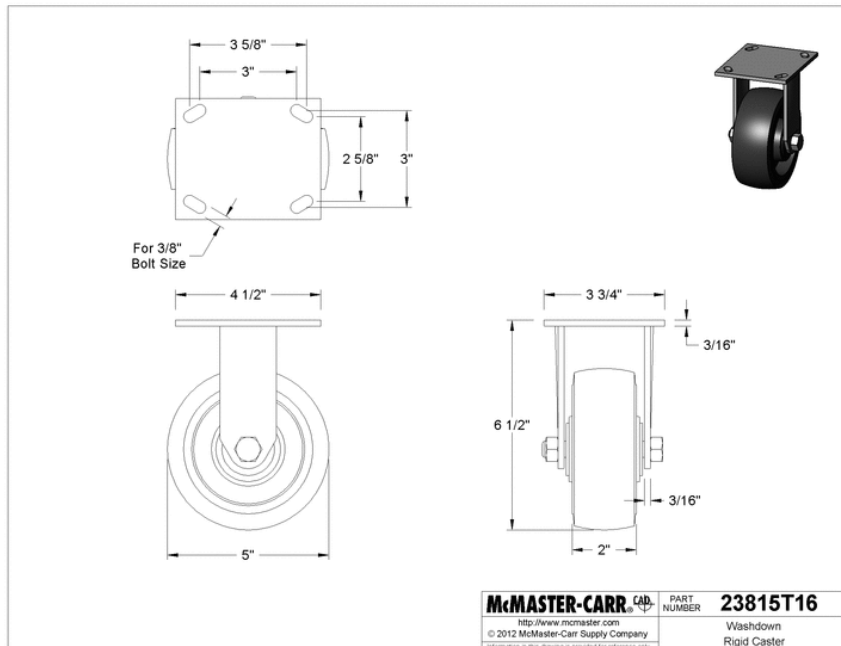
Rigid



Mount Type	Plate
Wheel	
Diameter	5"
Width	2"
Number of	1
Mount Height	6 1/2"
Capacity per Caster	350 lbs.
Hardness Rating	Soft
Hardness	Durometer 80A
Mounting Plate	
Length	4 1/2"
Width	3 3/4"
Mounting Hole	
Center-to-Center Length (A)	3 5/8"
Center-to-Center Length (B)	3"
Center-to-Center Width (A)	3"
Center-to-Center Width (B)	2 5/8"
For Screw Size	3/8"
Mounting Fasteners Included	No
Wheel/Tread Material	Rubber
Tread Shape	Flat
Nonmarking Wheels	Yes
Wheel Color	Gray
Wheel Type	Tread on Core
Wheel Core Material	Polypropylene Plastic
Wheel Bearing	
Type	Roller
Seal Type	Open
Material	Stainless Steel
Frame	
Fabrication	Stamped
Material	316 Stainless Steel
Environment	Corrosion Resistant, Food Industry, Washdown
For Surface Type	Asphalt, Bar Grating, Brick, Concrete, Linoleum, Steel, Tile
Specifications Met	NSF/ANSI 2
Caster Type	Rigid
RoHS	RoHS 3 (2015/863/EU) Compliant
REACH	REACH (EC 1907/2006) (06/25/2020, 209 SVHC) Compliant
DFARS	Specialty Metals COTS-Exempt
Country of Origin	United States

Our most corrosion-resistant casters have a 316 stainless steel frame and stainless steel wheel bearings that stand up to frequent washdowns. They also meet NSF/ANSI 2 standards for food equipment. Their soft rubber wheels absorb shock and provide good traction on rough surfaces.

Roller bearings provide smoother rolling than sleeve bearings.



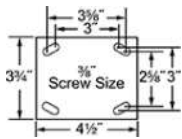
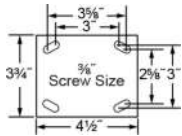
Washdown Caster

Swivel with 5" Diameter Rubber Wheel with Roller Bearing

\$153.60 Each
23815T12



Swivel



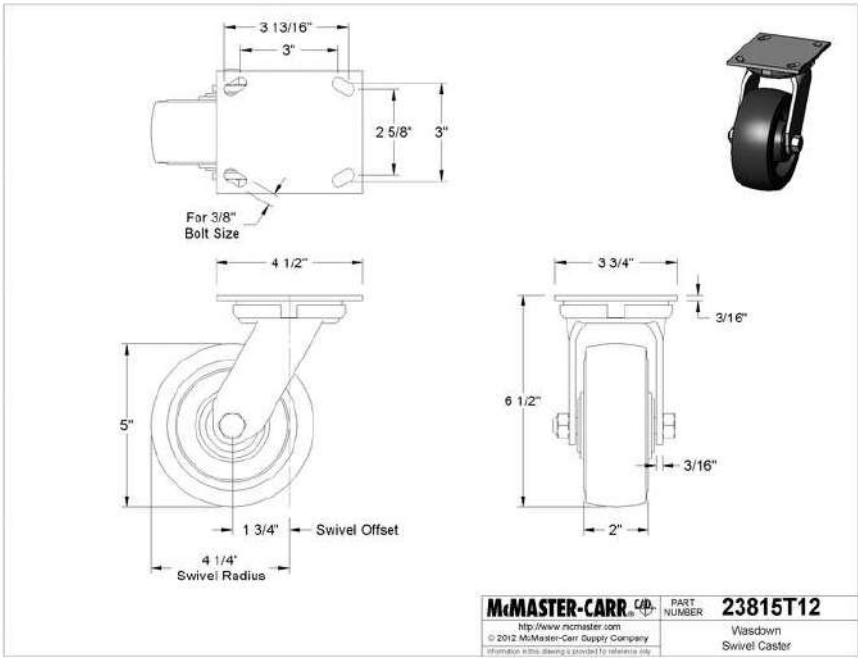
Mount Type	Plate
Wheel	
Diameter	5"
Width	2"
Number of	1
Mount Height	6 1/2"
Capacity per Caster	350 lbs.
Hardness Rating	Soft
Hardness	Durometer 80A
Mounting Plate	
Length	4 1/2"
Width	3 3/4"
Mounting Hole	
Center-to-Center Length (A)	3 5/8"
Center-to-Center Length (B)	3"
Center-to-Center Width (A)	3"
Center-to-Center Width (B)	2 5/8"
For Screw Size	3/8"
Mounting Fasteners Included	No
Wheel/Tread Material	Rubber
Tread Shape	Flat
Nonmarking Wheels	Yes
Wheel Color	Gray
Wheel Type	Tread on Core
Wheel Core Material	Polypropylene Plastic
Wheel Bearing	
Type	Roller
Seal Type	Open
Material	Stainless Steel
Frame	
Fabrication	Stamped
Material	316 Stainless Steel
Environment	Corrosion Resistant, Food Industry, Washdown
For Surface Type	Asphalt, Bar Grating, Brick, Concrete, Linoleum, Steel, Tile
Specifications Met	NSF/ANSI 2
Caster Type	Swivel
Swivel Construction	Kingpin
Swivel Bearing	
Type	Double Ball
Seal Type	Sealed
RoHS	RoHS 3 (2015/863/EU) Compliant
REACH	REACH (EC 1907/2006) (06/25/2020, 209 SVHC) Compliant
DFARS	Specialty Metals COTS-Exempt
Country of Origin	United States
Related Product	Optional Wheel Brake for Swivel Caster

Our most corrosion-resistant casters have a 316 stainless steel frame and stainless steel wheel bearings that stand up to frequent washdowns. They also meet NSF/ANSI 2 standards for food equipment. Their soft rubber wheels absorb shock and provide good traction on rough surfaces.

Roller bearings provide smoother rolling than sleeve bearings.

Swivel casters have completely sealed double-ball bearings for the smoothest swiveling and the best protection against dust and debris.

Add optional wheel brakes to prevent the caster from rolling.



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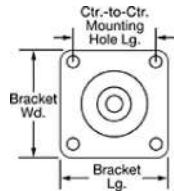
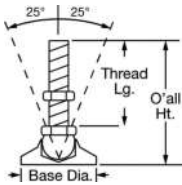
Swivel Leveling Mount

with Square Bracket, 303 Stainless Steel Base, 1/2"-13 Size 304 Stainless Steel Stud

\$55.86 Each
6577K32



With Square Bracket

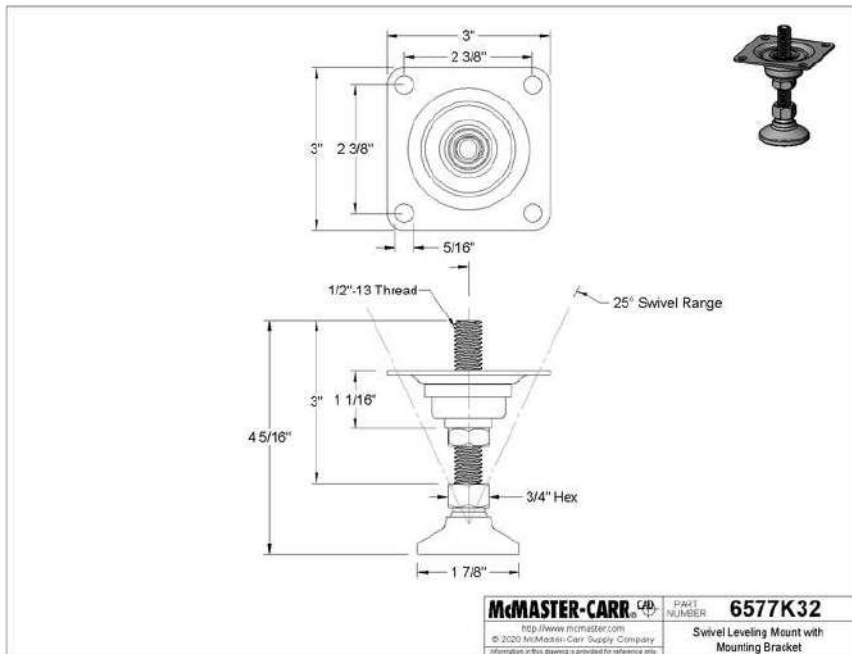


Square Bracket

Adjustability	Swivel
Mount Type	Bracket
Thread Size	1/2"-13
Thread Type	UNC
Thread Length	3"
Capacity per Mount	500 lbs.
Swivel Range of Motion	25°
Hex Nut Width	3/4"
Base Diameter	1 7/8"
Overall Height	4 5/16"
Bracket	
Type	Square
Length	3"
Width	3"
Height	1 1/16"
Base Shape	
Base Shape	Round
Base Material	303 Stainless Steel
Bracket Material	Stainless Steel
Stud Material	304 Stainless Steel
Hex Nut Material	302 Stainless Steel
Includes	Locknut
Mounting Fasteners Included	No
Mounting Holes	
Number of	4
Diameter	5/16"
Center-to-Center Length	2 3/8"
RoHS	
RoHS	RoHS 3 (2015/863/EU) Compliant
REACH	
REACH	REACH (EC 1907/2006) (06/25/2020, 209 SVHC) Compliant
DFARS	
DFARS	Specialty Metals COTS-Exempt
Country of Origin	
Country of Origin	United States
Related Product	
Related Product	Replacement Mounting Brackets

Ready for installation on the bottom of machines and equipment without feet, these mounts come with their own bracket. Their ball-and-socket design swivels to compensate for uneven floors. In addition to leveling, mounts raise equipment off the floor for easier cleaning and inspection.

Stainless steel is more corrosion resistant than aluminum, so it's well-suited to damp environments.



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