



# SAN FRANCISCO PLANNING DEPARTMENT

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## Certificate of Appropriateness Case Report

HEARING DATE: JUNE 1, 2011

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Suite 400  
San Francisco,  
CA 94103-2479

Reception:  
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Planning  
Information:  
**415.558.6377**

*Filing Date:* April 28, 2011  
*Case No.:* **2011.0417A**  
*Project Address:* **2 HARRISON STREET**  
*Historic Landmark:* No. 157 – Hills Brothers Coffee Plant  
*Zoning:* RH-DTR Zoning District  
84-X/105-X Height and Bulk District  
*Block/Lot:* 3744/005  
*Applicant:* Steve Kelley  
MKThink  
Roundhouse One, 1500 Sansome Street  
San Francisco, CA 94111  
*Staff Contact* Richard Sucre - (415) 575-9108  
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*Reviewed By* Timothy Frye – (415) 575-6822  
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### PROPERTY DESCRIPTION

**2 HARRISON STREET** is located on the north side of Harrison Street between The Embarcadero and Spear Street (Assessor's Block 4108, Lot 010). Constructed between 1924 and 1926, this property is a six-story industrial building with a rooftop penthouse and tower that was designed in the Romanesque Revival architectural style. The concrete building is clad in red brick and has wood and steel industrial-sash windows. The building is capped by flat roof and tall parapet and is notable for the large neon signage that reads "Hill Bros Coffee." The subject property is designated as Landmark No. 157 (Hills Bros Coffee Plant) and is located within the RH-DTR (Rincon Hill Downtown Residential) Zoning District with an 84-X/105-X Height and Bulk limit.

### PROJECT DESCRIPTION

The proposed scope of work consists of installation of a roof deck and two doorways on the seventh floor of the existing building. The new roof deck will not be publically accessible, and will reside within the existing height limit. This new roof deck is designed as a raised pedestal system that will sit upon the existing built-up roof. Structural carbon fiber reinforcing strips will be installed to reinforce the roof for the new loads. The two new doorways will be installed within a non-historic portion of the rooftop addition that was constructed in 1985. No historic brick or existing historic fabric will be impacted by the proposed roof deck installation. Please see photographs and plans for details (see attached).

### OTHER ACTIONS REQUIRED

Proposed work requires a Building Permit.

## COMPLIANCE WITH THE PLANNING CODE PROVISIONS

The proposed project is in compliance with all other provisions of the Planning Code.

## APPLICABLE PRESERVATION STANDARDS

### ARTICLE 10

A Certificate of Appropriateness is required for any construction, alteration, removal, or demolition of a designated Landmark for which a City permit is required. In appraising a proposal for a Certificate of Appropriateness, the Historic Preservation Commission should consider the factors of architectural style, design, arrangement, texture, materials, color, and other pertinent factors. Section 1006.7 of the Planning Code provides in relevant part as follows:

(a) The proposed work shall be appropriate for and consistent with the effectuation of the purposes of Article 10.

(b) For applications pertaining to landmark sites, the proposed work shall preserve, enhance or restore, and shall not damage or destroy, the exterior architectural features of the landmark and, where specified in the designating ordinance pursuant to Section 1004(c), its major interior architectural features. The proposed work shall not adversely affect the special character or special historical, architectural or aesthetic interest or value of the landmark and its site, as viewed both in themselves and in their setting, nor of the historic district in applicable cases.

## THE SECRETARY OF THE INTERIOR'S STANDARDS

Rehabilitation is the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features that convey its historical, cultural, or architectural values. The Rehabilitation Standards provide, in relevant part(s):

**Standard 2:** The historic character of a property will be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property will be avoided.

*The scope of proposed work does not involve removal of historic materials or alteration of features and spaces that characterize the historic property. The project will not impact the overall form and massing of the property, nor any of its features, which contribute to the landmark designation.*

**Standard 9:** New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.

*The installation of a new roof deck and two new doorways do not destroy historic materials and features of the building, are differentiated from the old, and are of a design, scale, and materials*

*that are compatible with the subject building. The new construction and alterations occur on the roof of the property, are obscured by the parapet, and are not visible from the public right-of-way.*

**Standard 10:** New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environmental would be unimpaired.

*The installation of a new roof deck will be undertaken in such a manner that if removed in the future, the essential form and integrity of the subject property will be unimpaired. The new construction is reversible and does not impact any historic materials or features of the subject property.*

## PUBLIC/NEIGHBORHOOD INPUT

The Department has received no public input on the project as of the date of this report.

## ISSUES & OTHER CONSIDERATIONS

The Department has no issues with the proposed project.

## STAFF ANALYSIS

Included as an exhibit are images of the existing building and specifications of the proposed project.

Based on the requirements of Article 10 and the *Secretary of the Interior's Standards*, staff has determined the following:

**New Roof Deck:** The new roof deck will measure approximately 4,482 sq. ft., and will be constructed on the seventh floor of the subject property at 2 Harrison Street. This new roof deck consists of a raised pedestal system (approximately 24 inches high) that will rest upon the existing built-up roof. The new roof deck is setback from the parapet wall and the historic rooftop penthouse. No handrails are required, since the new roof decks rests 42-inches below the parapet wall. Construction of the new roof deck will not impact any historic materials or features of the subject property, including the existing skylights; therefore, this new feature will comply with the Secretary of the Interior's Standards for Rehabilitation and the requirements of Article 10 of the San Francisco Planning Code, since it will not be visible from the public right-of-way and will not impact any historic materials or features of the subject property.

**Installation of New Doorways:** To facilitate access to the roof deck, two new doorways will be constructed on the seventh floor in an addition to the rooftop penthouse, which was constructed in 1985. The two new doorways will replace an existing non-historic window and will consist of a new aluminum-sash custom storefront assembly. These new doorways will be of a similar character as the existing non-historic addition, and will not impact any historic materials or features of the subject property, including the historic brick. The doorways will be obscured from the public right-of-way and will match the other non-historic doorways and windows at this level, which have been previously determined to be compatible with the historic character of the subject property. Therefore, this new feature will comply with the Secretary of the Interior's Standards for Rehabilitation and the requirements

of Article 10 of the San Francisco Planning Code, because it is not visible from the public right-of-way, is located in a discrete location behind the parapet wall, is compatible with the building's historic character, and does not impact historic materials or features.

Based on the requirements of Article 10 and the *Secretary of Interior's Standards*, staff has determined that the proposed work will not adversely affect the subject building.

## ENVIRONMENTAL REVIEW STATUS

The Project is exempt from the California Environmental Quality Act ("CEQA") as a Class One categorical exemption because the project is a minor alteration of an existing structure and meets the *Secretary of the Interior's Standards for Rehabilitation*.

## PLANNING DEPARTMENT RECOMMENDATION

Planning Department staff recommends APPROVAL of the proposed project as it appears to meet the *Secretary of the Interior Standards for Rehabilitation* and requirements of Article 10.

## ATTACHMENTS

Draft Motion  
Photographs  
Proposed Project Images and Specifications

PL: G:\Documents\2011.0417A 2 Harrison St\CofA Case Report\_2 Harrison St.doc



# SAN FRANCISCO PLANNING DEPARTMENT

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## Historic Preservation Commission Draft Motion

HEARING DATE: JUNE 1, 2011

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**ADOPTING FINDINGS FOR A CERTIFICATE OF APPROPRIATENESS FOR PROPOSED WORK DETERMINED TO BE APPROPRIATE FOR AND CONSISTENT WITH THE PURPOSES OF ARTICLE 10, TO MEET THE STANDARDS OF ARTICLE 10 AND TO MEET THE SECRETARY OF INTERIOR'S STANDARDS FOR REHABILITATION, FOR THE PROPERTY LOCATED ON LOT 005 IN ASSESSOR'S BLOCK 3744, WITHIN THE RH-DTR ZONING DISTRICT AND 84-X/105-X HEIGHT AND BULK DISTRICT.**

### PREAMBLE

WHEREAS, on April 28, 2011, Steve Kelley of MKThink on behalf of PPF OFF 345 Spear Street, LP (Property Owner) filed an application with the San Francisco Planning Department (Department) for a Certificate of Appropriateness to install a roof deck and two doorways on the seventh floor at the subject property located on Lot 005 in Assessor's Block 3744.

WHEREAS, the Project was determined by the Department to be categorically exempt from environmental review. The Historic Preservation Commission (hereinafter "Commission") has reviewed and concurs with said determination.

WHEREAS, on June 1, 2011, the Commission conducted a duly noticed public hearing on the current project, Case No. 2011.0417A (Project) for its appropriateness.

WHEREAS, in reviewing the Application, the Commission has had available for its review and consideration case reports, plans, and other materials pertaining to the Project contained in the

Department's case files, has reviewed and heard testimony and received materials from interested parties during the public hearing on the Project.

**MOVED**, that the Commission hereby grants with conditions the Certificate of Appropriateness, in conformance with the architectural plans dated April 28, 2011 and labeled Exhibit A on file in the docket for Case No. 2011.0417A based on the following findings:

## FINDINGS

Having reviewed all the materials identified in the recitals above and having heard oral testimony and arguments, this Commission finds, concludes, and determines as follows:

1. The above recitals are accurate and also constitute findings of the Commission.
2. Findings pursuant to Article 10:

The Historical Preservation Commission has determined that the proposed work is compatible with the character of the district as described in the designation report dated November 7, 1982.

- That installation of the new roof deck and two doorways will not affect character-defining features of the subject building.
- That the proposal is in conformance with the requirements of Article 10 of the San Francisco Planning Code.
- The proposed project meets all of the relevant Secretary of the Interior's Standards for Rehabilitation, including:

***Standard 2.***

*The historic character of a property will be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property will be avoided.*

***Standard 9.***

*New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.*

***Standard 10.***

*New additions and adjacent or related new construction will 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.*

3. **General Plan Compliance.** The proposed Certificate of Appropriateness is, on balance, consistent with the following Objectives and Policies of the General Plan:

I. URBAN DESIGN ELEMENT

THE URBAN DESIGN ELEMENT CONCERNS THE PHYSICAL CHARACTER AND ORDER OF THE CITY, AND THE RELATIONSHIP BETWEEN PEOPLE AND THEIR ENVIRONMENT.

GOALS

*The Urban Design Element is concerned both with development and with preservation. It is a concerted effort to recognize the positive attributes of the city, to enhance and conserve those attributes, and to improve the living environment where it is less than satisfactory. The Plan is a definition of quality, a definition based upon human needs.*

OBJECTIVE 1

EMPHASIS OF THE CHARACTERISTIC PATTERN WHICH GIVES TO THE CITY AND ITS NEIGHBORHOODS AN IMAGE, A SENSE OF PURPOSE, AND A MEANS OF ORIENTATION.

POLICY 1.3

*Recognize that buildings, when seen together, produce a total effect that characterizes the city and its districts.*

OBJECTIVE 2

CONSERVATION OF RESOURCES WHICH PROVIDE A SENSE OF NATURE, CONTINUITY WITH THE PAST, AND FREEDOM FROM OVERCROWDING.

POLICY 2.4

*Preserve notable landmarks and areas of historic, architectural or aesthetic value, and promote the preservation of other buildings and features that provide continuity with past development.*

POLICY 2.5

*Use care in remodeling of older buildings, in order to enhance rather than weaken the original character of such buildings.*

POLICY 2.7

*Recognize and protect outstanding and unique areas that contribute in an extraordinary degree to San Francisco's visual form and character.*

*The goal of a Certificate of Appropriateness is to provide additional oversight for buildings and districts that are architecturally or culturally significant to the City in order to protect the qualities that are associated with that significance.*

*The proposed project qualifies for a Certificate of Appropriateness and therefore furthers these policies and objectives by maintaining and preserving the character-defining features of 2 Harrison Street, designated as Landmark No. 157, for the future enjoyment and education of San Francisco residents and visitors.*

4. The proposed project is generally consistent with the eight General Plan priority policies set forth in Section 101.1 in that:

- A) The existing neighborhood-serving retail uses will be preserved and enhanced and future opportunities for resident employment in and ownership of such businesses will be enhanced:

*The proposed project will not impact existing neighborhood-serving retail uses.*

- B) The existing housing and neighborhood character will be conserved and protected in order to preserve the cultural and economic diversity of our neighborhoods:

*The proposed project will strengthen neighborhood character by respecting the character-defining features of the district in conformance with the Secretary of the Interior's Standards.*

- C) The City's supply of affordable housing will be preserved and enhanced:

*The project will not impact or reduce the affordable housing supply, since no affordable housing is present on the project site.*

- D) The commuter traffic will not impede MUNI transit service or overburden our streets or neighborhood parking:

*The proposed project will not result in commuter traffic impeding MUNI transit service or overburdening the streets or neighborhood parking.*

- E) A diverse economic base will be maintained by protecting our industrial and service sectors from displacement due to commercial office development. And future opportunities for resident employment and ownership in these sectors will be enhanced:

*The proposed will not have any impact on industrial and service sector jobs.*

- F) The City will achieve the greatest possible preparedness to protect against injury and loss of life in an earthquake.

*Preparedness against injury and loss of life in an earthquake is improved by the proposed work. The work will eliminate unsafe conditions at the site and all construction will be executed in compliance with all applicable construction and safety measures.*

- G) That landmark and historic buildings will be preserved:

*The proposed project is in conformance with Article 10 of the Planning Code and the Secretary of the Interior's Standards.*



H) Parks and open space and their access to sunlight and vistas will be protected from development:

*The proposed project will not impact the access to sunlight or vistas for the parks and open space.*

5. For these reasons, the proposal overall, is appropriate for and consistent with the purposes of Article 10, meets the standards of Article 10, and the *Secretary of Interior's Standards for Rehabilitation*, General Plan and Prop M findings of the Planning Code.

**DECISION**

That based upon the Record, the submissions by the Applicant, the staff of the Department and other interested parties, the oral testimony presented to this Commission at the public hearings, and all other written materials submitted by all parties, the Commission hereby **GRANTS a Certificate of Appropriateness** for the property located at Lot 005 in Assessor's Block 3744 for proposed work in conformance with the architectural plans dated April 28, 2011, labeled Exhibit A on file in the docket for Case No. 2011.0417A.

**APPEAL AND EFFECTIVE DATE OF MOTION:** The Commission's decision on a Certificate of Appropriateness shall be final unless appealed within thirty (30) days. Any appeal shall be made to the Board of Appeals, unless the proposed project requires Board of Supervisors approval or is appealed to the Board of Supervisors as a conditional use, in which case any appeal shall be made to the Board of Supervisors (see Charter Section 4.135).

**Duration of this Certificate of Appropriateness:** This Certificate of Appropriateness is issued pursuant to Article 10 of the Planning Code and is valid for a period of three (3) years from the effective date of approval by the Historic Preservation Commission. The authorization and right vested by virtue of this action shall be deemed void and canceled if, within 3 years of the date of this Motion, a site permit or building permit for the Project has not been secured by Project Sponsor.

**THIS IS NOT A PERMIT TO COMMENCE ANY WORK OR CHANGE OF OCCUPANCY UNLESS NO BUILDING PERMIT IS REQUIRED. PERMITS FROM THE DEPARTMENT OF BUILDING INSPECTION (and any other appropriate agencies) MUST BE SECURED BEFORE WORK IS STARTED OR OCCUPANCY IS CHANGED.**

I hereby certify that the Historical Preservation Commission ADOPTED the foregoing Motion on June 1, 2011.

Linda D. Avery  
Commission Secretary

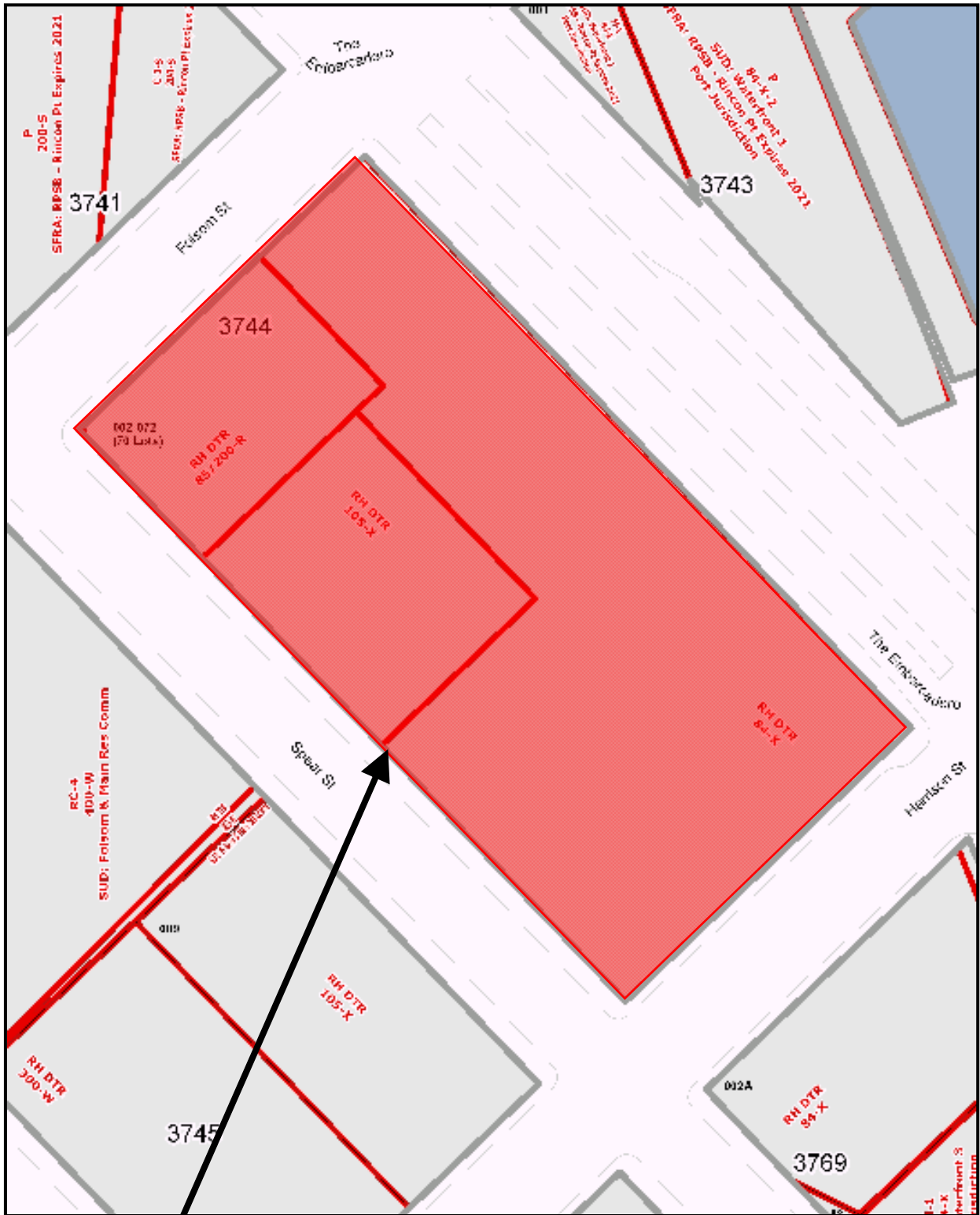
AYES:

NAYS:

ABSENT:

ADOPTED: June 1, 2011

# Parcel Map

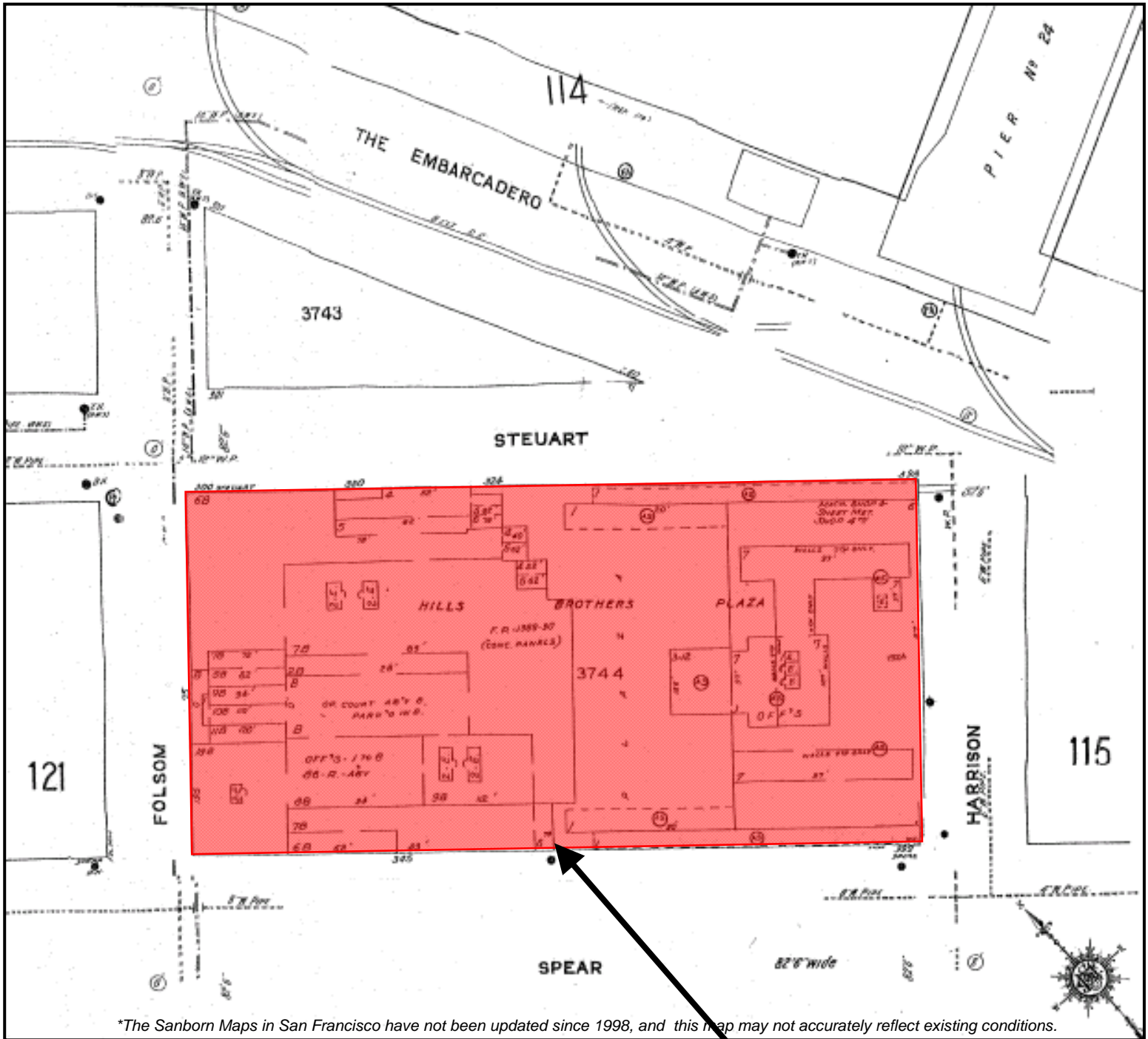


**SUBJECT PROPERTY**



Certificate of Appropriateness Hearing  
Case Number 2011.0417A  
2 Harrison Street

# Sanborn Map\*



\*The Sanborn Maps in San Francisco have not been updated since 1998, and this map may not accurately reflect existing conditions.

**SUBJECT PROPERTY**



Certificate of Appropriateness Hearing  
Case Number 2011.0417A  
2 Harrison Street

# Aerial Photo



SUBJECT PROPERTY



Certificate of Appropriateness Hearing  
Case Number 2011.0417A  
2 Harrison Street

# Zoning Map



Certificate of Appropriateness Hearing  
Case Number 2011.0417A  
2 Harrison Street

# Site Photo

SUBJECT PROPERTY



2 Harrison Street (View from Pier 14)

Certificate of Appropriateness Hearing  
Case Number 2011.0417A  
2 Harrison Street

# Site Photo



2 Harrison Street (View of Project Area from Future Entryway towards Roof Deck)

Certificate of Appropriateness Hearing  
Case Number 2011.0417A  
2 Harrison Street



# Site Photo



2 Harrison Street (Site of Future Roof Deck)

Certificate of Appropriateness Hearing  
Case Number 2011.0417A  
2 Harrison Street



**HISTORICAL LANDMARK #157 – HILLS BROS. COFFEE PLANT**

Consultant / Architect:

**MKTHINK**

Roundhouse One, 1500 Sansome Street, San Francisco, CA 94111  
mkthink.com 415 402 0888



Project:

Mozilla – San Francisco Office TI  
2 Harrison Street, 7<sup>th</sup> Floor  
San Francisco, CA 94111

Issued Date: 04/28/2011

Owner / Client:

Mozilla Corporation  
650 Castro Street  
Mountain View, CA 94041

I-80/ BAY BRIDGE →



PROPOSED LOCATION OF NEW ROOF DECK. ALL 7<sup>th</sup> FLOOR PENTHOUSE IMPROVEMENTS TO REMAIN BELOW EXISTING PARAPET, OUT OF VIEW FROM THE STREET BELOW, TYP.

**VIEW FROM PIER #14 ACROSS THE EMBARCADERO**

Consultant / Architect:

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San Francisco, CA 94111

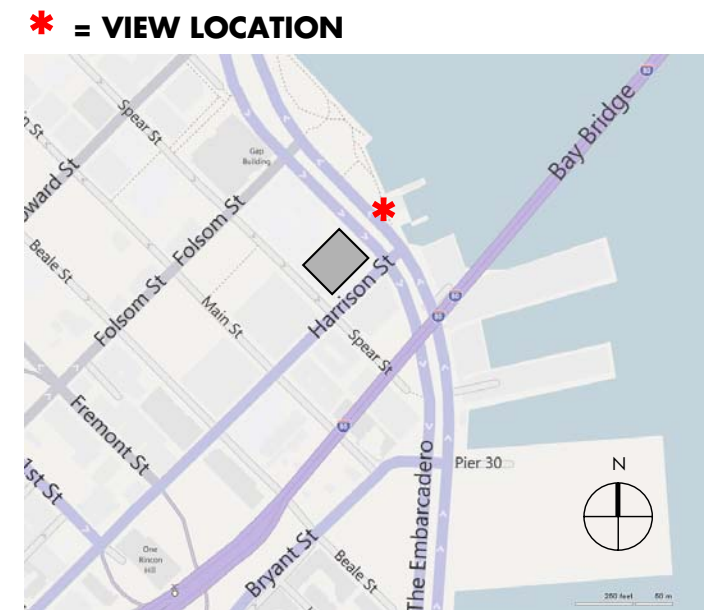
Issued Date: 04/28/2011

Owner / Client:

Mozilla Corporation  
650 Castro Street  
Mountain View, CA 94041



PROPOSED LOCATION OF NEW ROOF DECK BEHIND EXISTING ROOF PARAPET; NO CHANGES TO EXISTING HISTORICAL BRICK FAÇADE, TYP.



**EXISTING ELEVATION ALONG THE EMBARCADERO**

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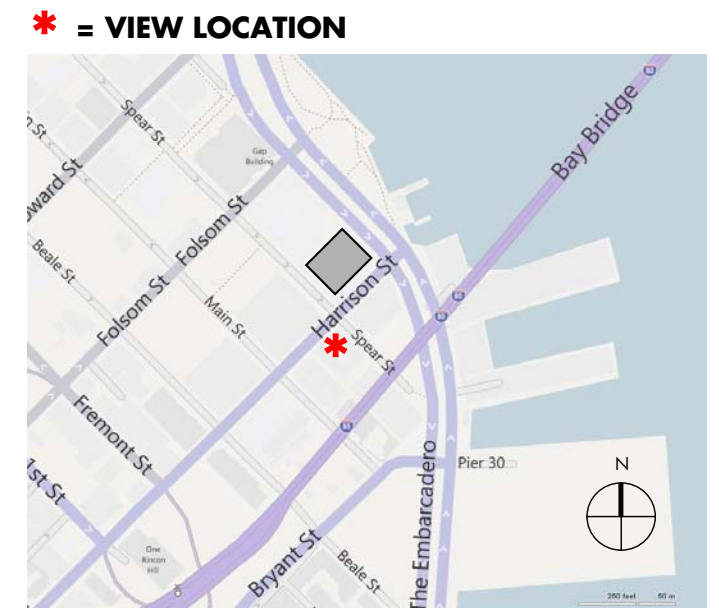
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 Mountain View, CA 94041



PROPOSED LOCATION OF NEW ROOF DECK BEHIND EXISTING ROOF PARAPET; NO CHANGES TO EXISTING HISTORICAL BRICK FAÇADE, TYP.



**STREET VIEW – HARRISON @ SPEAR ST.**

Consultant / Architect:

**MKTHINK**

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mkthink.com 415 402 0888



Project:

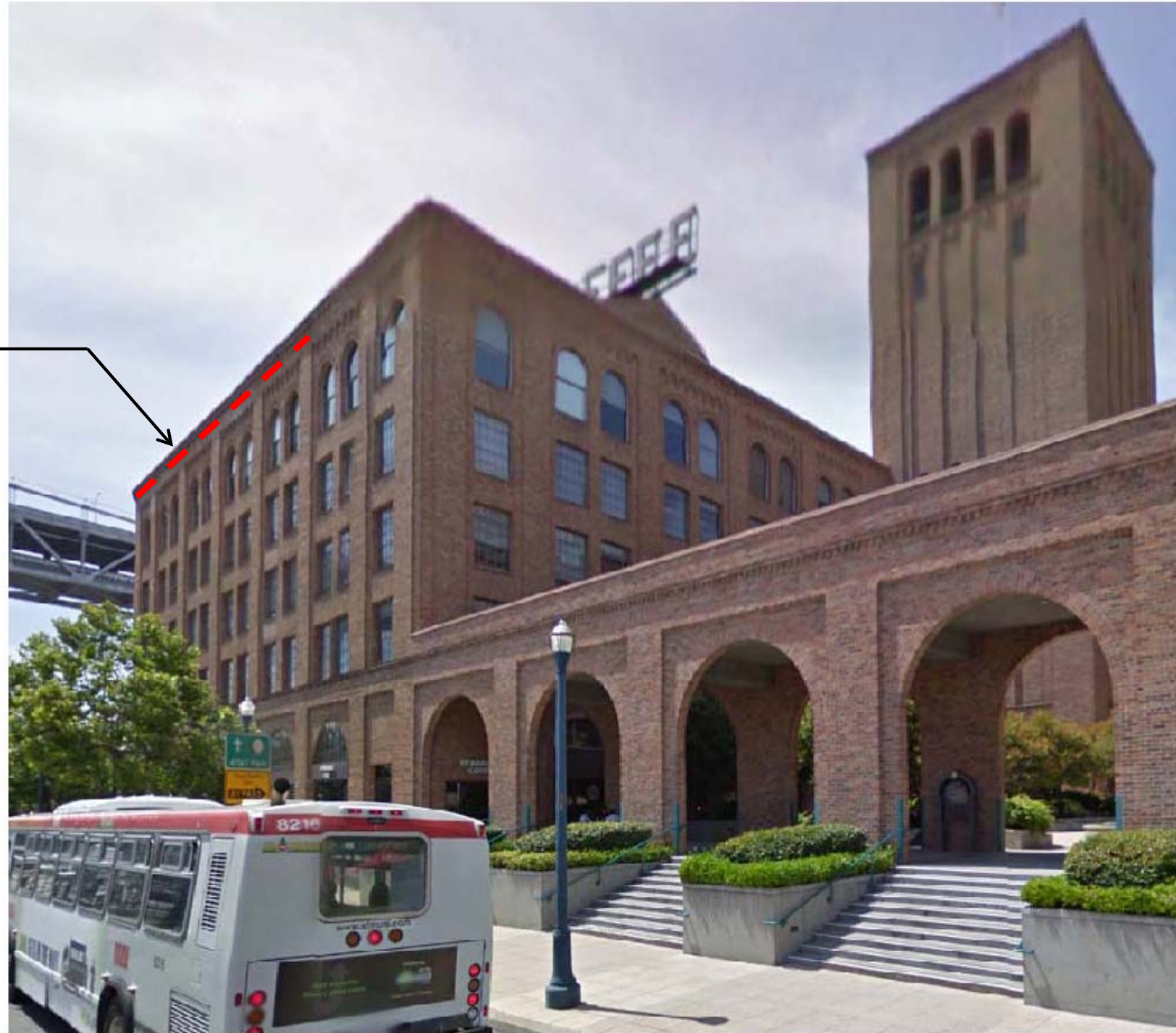
Mozilla – San Francisco Office TI  
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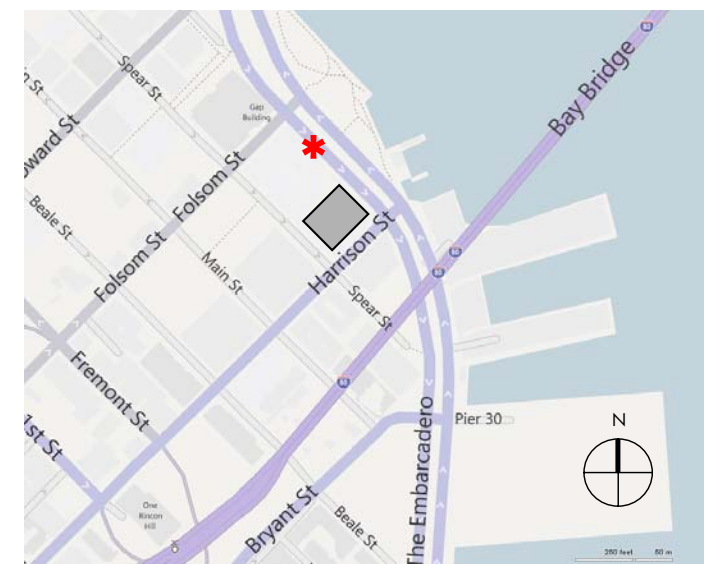
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Mountain View, CA 94041

PROPOSED LOCATION OF NEW ROOF DECK BEHIND EXISTING ROOF PARAPET; NO CHANGES TO EXISTING HISTORICAL BRICK FAÇADE, TYP.



\* = VIEW LOCATION



### STREET VIEW – ALONG THE EMBARCADERO TOWARD HARRISON ST.

Consultant / Architect:

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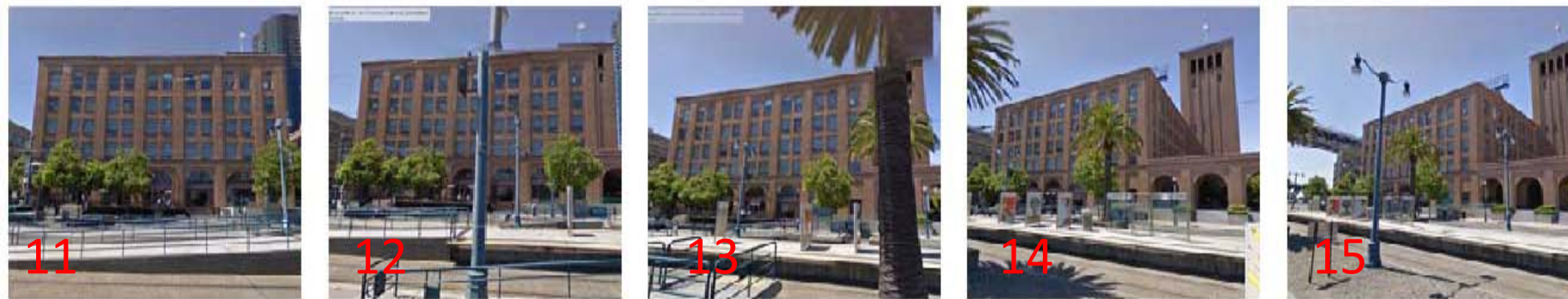
FACING  
NORTHWEST,  
ALONG THE  
EMBARCADERO



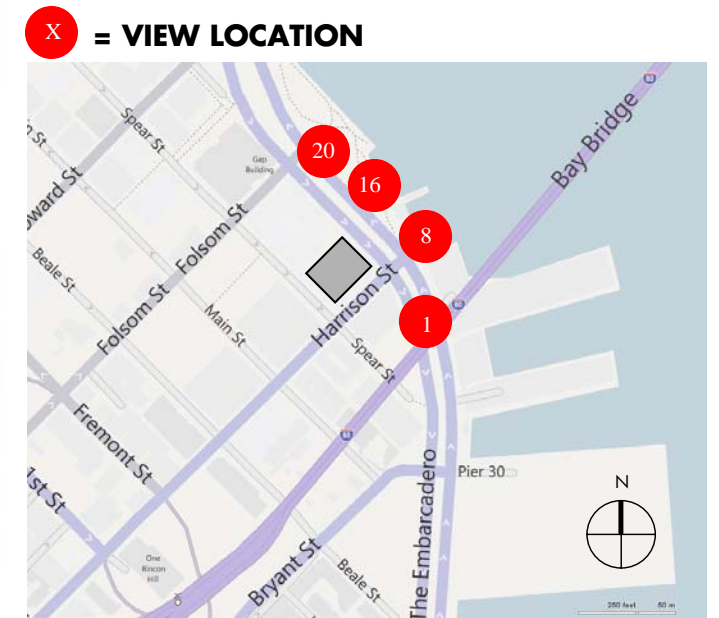
FACING WEST,  
ALONG THE  
EMBARCADERO



FACING WEST,  
ACROSS THE  
EMBARCADERO



FACING  
SOUTHEAST,  
ALONG THE  
EMBARCADERO



**SEQUENTIAL STREET VIEW – NORTHBOUND ALONG THE EMBARCADERO**

Consultant / Architect:

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I-80/BAY BRIDGE

(E) HISTORICAL BRICK PORTION OF PENTHOUSE FAÇADE TO REMAIN; NO CHANGES AND NO ATTACHMENT TO ANY HISTORICAL FAÇADE SURFACE, TYP.

(E) PARAPET & WALL CAP TO REMAIN; NO CHANGES, TYP.

(E) NON-HISTORICAL, CEMENTITIOUS PLASTER FAÇADE; CUT (E) WINDOW SILL TO RECEIVE (N) CUSTOM STOREFRONT ASSEMBLY

(E) ROOF DRAINS TO REMAIN; NO CHANGES, TYP.

(E) ROOF SURFACE BALLAST & ENGINEERING WALKING PADS TO REMAIN WEST OF THIS LINE; NO CHANGES, TYP.

NO CHANGES, TYP.

**(E) ROOF SURFACE & ENGINEERING WALKING PADS - 01**

Consultant / Architect:

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(E) PARAPET WALL & TOP CAP  
TO REMAIN; NO CHANGES, TYP.

(E) ATTACHMENT HARDWARE  
FOR BOSUN'S CHAIR TO  
REMAIN; NO CHANGES OR  
OBSTRUCTIONS, TYP.

(E) ROOF BALLAST TO BE REMOVED;  
PREP ROOF DECK SURFACE TO  
RECEIVE NEW CARBON FIBER  
STRUCTURAL SUPPORT STRAPS;  
SEE SHEET COA-002 FOR LOCATIONS

MAINTAIN CONTINUOUS ROOF  
WATERPROOFING AND REGLET  
FLASHING; REPAIR ANY DAMAGE  
AS REQUIRED, TYP.

## (E) ROOF SURFACE & PARAPET - 01

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(E) PARAPET WALL &  
TOP CAP TO REMAIN;  
NO CHANGES, TYP.



(E) ATTACHMENT HARDWARE  
FOR BOSUN'S CHAIR TO  
REMAIN; NO CHANGES OR  
OBSTRUCTIONS, TYP.

(E) ROOF DRAINS  
TO REMAIN; NO  
CHANGES, TYP.

(E) ROOF BALLAST TO BE REMOVED;  
PREP ROOF DECK SURFACE TO  
RECEIVE NEW CARBON FIBER  
STRUCTURAL SUPPORT STRAPS;  
SEE SHEET COA-002 FOR LOCATIONS

## (E) ROOF SURFACE & PARAPET - 02

Consultant / Architect:

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(E) SKYLIGHTS TO REMAIN; NO CHANGES, TYP. OF FIVE



(E) ROOF BALLAST & ENGINEERING WALKING PADS TO BE REMOVED; PREP ROOF DECK SURFACE TO RECEIVE NEW CARBON FIBER STRUCTURAL SUPPORT STRAPS; SEE SHEET COA-002 FOR LOCATIONS

(E) ROOF DRAINS TO REMAIN; MAINTAIN WATERPROOFING & REPAIR IF REQUIRED, TYP.

**(E) ROOF SURFACE & ENGINEERING WALKING PADS - 02**

Consultant / Architect:

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Project:

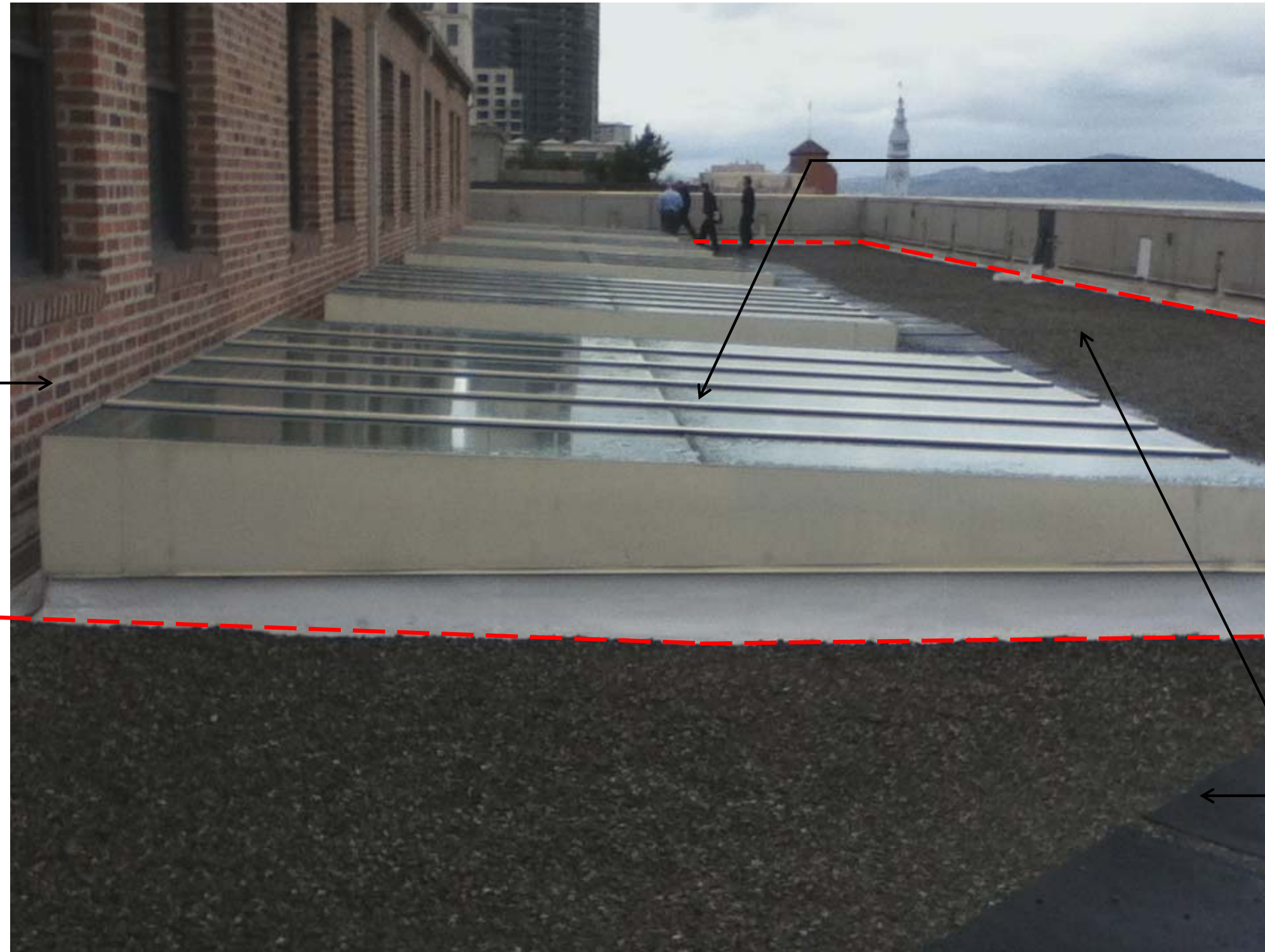
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650 Castro Street  
Mountain View, CA 94041

(E) HISTORICAL BRICK PORTION OF PENTHOUSE FAÇADE TO REMAIN; NO CHANGES AND NO ATTACHMENT TO ANY HISTORICAL FAÇADE SURFACE, TYP.



(E) SKYLIGHTS TO REMAIN; NO CHANGES, TYP. OF FIVE

(E) ROOF BALLAST & ENGINEERING WALKING PADS TO BE REMOVED; PREP ROOF DECK SURFACE TO RECEIVE NEW TERRA-STAND PEDESTALS BY WAUSAU TILE, TYP.

**(E) SKYLIGHT PROFILE @ 7<sup>TH</sup> FLOOR ROOF, TYP. OF 5**

Consultant / Architect:

**MKTHINK**

Roundhouse One, 1500 Sansome Street, San Francisco, CA 94111  
mkthink.com 415 402 0888



Project:

Mozilla – San Francisco Office TI  
2 Harrison Street, 7<sup>th</sup> Floor  
San Francisco, CA 94111

Issued Date: 04/28/2011

Owner / Client:

Mozilla Corporation  
650 Castro Street  
Mountain View, CA 94041



REMOVE (E) ROOF BALLAST TO LINE, TYP.

(E) HISTORICAL BRICK PORTION OF PENTHOUSE FAÇADE TO REMAIN; NO CHANGES AND NO ATTACHMENT TO ANY HISTORICAL FAÇADE SURFACE, TYP.

(E) SKYLIGHTS TO REMAIN; NO CHANGES, TYP. OF FIVE

(E) ROOF BALLAST TO REMAIN BETWEEN SKYLIGHTS; NO CHANGES, TYP.

(E) ROOF DRAINS TO REMAIN; MAINTAIN WATERPROOFING & REPAIR IF REQUIRED, TYP.

**(E) SKYLIGHT ELEVATION @ 7<sup>TH</sup> FLOOR ROOF, TYP. OF 5**

Consultant / Architect:

**MKTHINK**

Roundhouse One, 1500 Sansome Street, San Francisco, CA 94111  
mkthink.com 415 402 0888



Project:

Mozilla – San Francisco Office TI  
2 Harrison Street, 7<sup>th</sup> Floor  
San Francisco, CA 94111

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Mountain View, CA 94041



I-80/BAY BRIDGE

(E) HISTORICAL HILLS BROS COFFEE SIGN TO REMAIN; NO CHANGES, TYP.

(E) PARAPET WALL & TOP CAP TO REMAIN; NO CHANGES, TYP.

(E) HISTORICAL BRICK PORTION OF PENTHOUSE FAÇADE TO REMAIN; NO CHANGES AND NO ATTACHMENT TO ANY HISTORICAL FAÇADE SURFACE, TYP.

(E) ROOF BALLAST & ENGINEERING WALKING PADS TO BE REMOVED; PREP ROOF DECK SURFACE TO RECEIVE NEW CARBON FIBER STRUCTURAL SUPPORT STRAPS; SEE SHEET COA-002 FOR LOCATIONS

(E) SKYLIGHTS TO REMAIN; NO CHANGES, TYP. OF FIVE

**(E) ROOF SURFACE – AREA OF PROPOSED DECK**

Consultant / Architect:

**MKTHINK**  
 Roundhouse One, 1500 Sansome Street, San Francisco, CA 94111  
 mkthink.com 415 402 0888

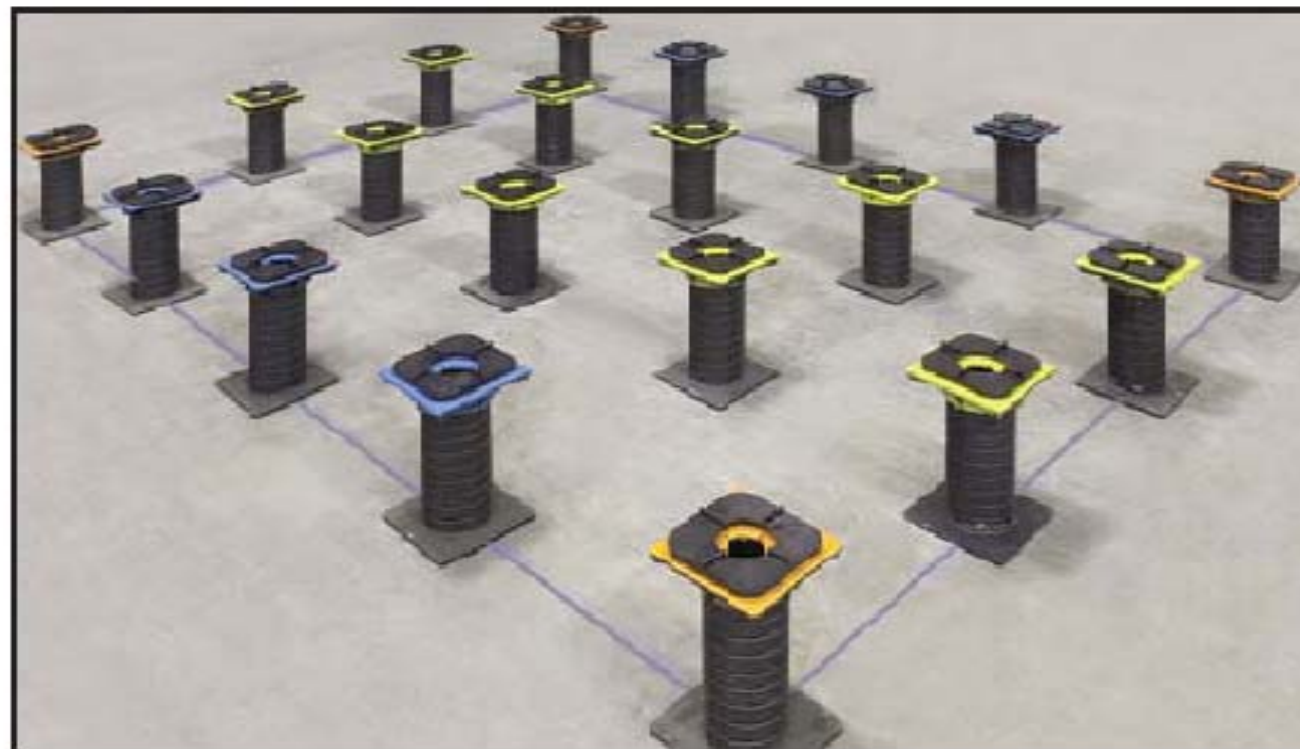


Project:  
 Mozilla – San Francisco Office TI  
 2 Harrison Street, 7<sup>th</sup> Floor  
 San Francisco, CA 94111

Issued Date: 04/28/2011

Owner / Client:  
 Mozilla Corporation  
 650 Castro Street  
 Mountain View, CA 94041

PRODUCT REFERENCE ONLY:  
NOT REPRESENTATIVE OF FINAL  
PAVER COLOR OR PATTERN, TYP.



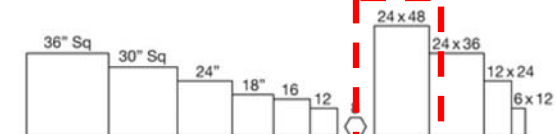
## Paving Architectural Pavers

Architectural Pavers : UniFace

### UniFace

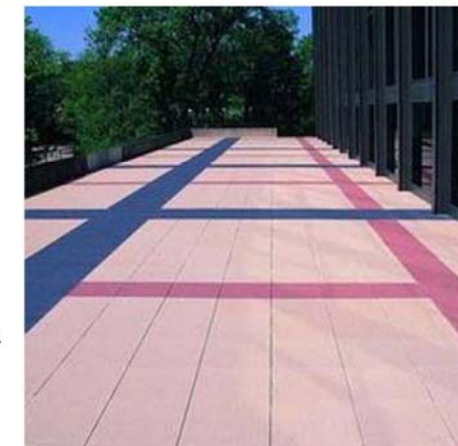
Item Number: UF

Wausau UniFace Pavers are available in six standard colors. Custom colors available. Standard thickness is 2" to 2 3/4"



These pavers are available in these sizes and in modular patterns. Custom sizes available. Quik Ship items are stocked in 24" squares and ship within 7-10 business days.

Quick Ship available in 7 to 10 days.



### UniFace



### SELECTIONS:

COLOR UF-10  
SIZE: 24x48  
INSTALL: ASHLAR

### Quote Request

[Get Quote Request »](#)

Pricing and specifications are subject to change.

### Installation & Specs

2780 3 Part Spec (.doc)

There are so many uses for concrete pavers. Choose an installation that best meets your requirements for use and desired look of the finished project. Your Wausau Tile representative can assist you in determining which installation best suits your needs, or answer any other questions you may have. Each installation listed shows a pedestrian or vehicular method.

Property	Value	Test Method
Compressive Strength	=>8,000 psi ave	ASTM C140
Flexural Strength	=>800 psi ave	ASTM C293
Water Absorption	<6%	ASTM C140
Freeze/Thaw	=<1% loss of dry weight (50 cycles)	ASTM C67
Center Load	1,850 lbs	WTCL 99

## WAUSAU TILE TERRA-SYSTEM ONE: ROOF PEDESTAL & PAVER ASSEMBLY

Consultant / Architect:

**MKTHINK**

Roundhouse One, 1500 Sansome Street, San Francisco, CA 94111  
mkthink.com 415 402 0888



Project:

Mozilla – San Francisco Office TI  
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San Francisco, CA 94111

Issued Date: 04/28/2011

Owner / Client:

Mozilla Corporation  
650 Castro Street  
Mountain View, CA 94041

# PAVING SYSTEM - TERRA-STAND

# SPECIFICATIONS

## PRODUCT DESCRIPTION:

**Terra System One** provides a level surface for installation of concrete pavers over a pitched surface. The system ensures precise paver alignment and even spacing that allow for drainage and air circulation critical to the health of a deck installed over any waterproof membrane. It also allows for easier access to the subsurface for scheduled maintenance or repairs without damage to the paved surface. Terra-Stand can also be installed at grade level where the surface is not pitched.

## Components and Materials:

**Terra-Stand:** The Terra-Stand is made of a high impact copolymer polypropylene adjusts from 2" to 21" in height and slope compensates up to 5/8" to provide a level installation.

Outside base dimension of 7" x 7" provides contact surface of 49" square. It is installed on previously established grid lines, adjusted for height and slope and ready for installation. Load of 3,000 lbs per pedestal.

An average project will require one Terra-Stand for each Terra Paver, plus the perimeter.

**Basic Use:** Terra-Stand is designed for exterior application using Terra Pavers on pitched roof decks, plazas, parking garages, terraces, and more.

**Terra-Pavers:** Available in eight types and ten surfaces. Unlimited colors can be created by custom blending of matrices and any variety of aggregates.

- Type 1 - Exposed Aggregate
- Type 2 - Granitex
- Type 3 - Fabritex and Cotillion
- Type 4 - Stony Creek
- Type 5 - Ground/Blasted
- Type 6 - Cool Pavers
- Type 7 - Ocean View
- Type 8 - Glass Washed
- Type 9 - Glass Blasted

Sizes range from nominal 12" (30.48 cm) to 36" (91.44 cm) squares in thicknesses of 2" (50.8 mm) to 2 3/4" (76.2 mm).

**Terra-Tab:** An SBR rubber unit with 23% recycled content that provides for drainage, air circulation and precise paver alignment. (Patent pending)

- #7 - 1/2" (12.7 mm) thick, 7" (17.78 cm) sq., 3/16" (4.76 mm) wide
- #6 - 7/16" (11.11 mm) thick, 6" (15.24 cm) sq., 3/16" (4.76 mm) wide
- #6A - 7/16" (11.11 mm) thick, 6" (15.24 cm) sq., 1/8" (3.18 mm) wide
- #5 - 3/8" (9.53 mm) thick, 5" (12.7 cm) sq., 3/16" (4.76 mm) wide
- #5A - 3/8" (9.53 mm) thick, 5" (12.7 cm) sq., 1/8" (3.18 mm) wide



**Terra-Shim:** An SBR rubber unit with 23% recycled content that provides for shimming uneven surfaces to a level plane.

- #7 - 1/8" (3.18 mm) thick, 7" (17.78 cm) sq.
- #6 - 1/8" (3.18 mm) thick, 6" (15.24 cm) sq.
- #5 - 1/8" (3.18 mm) thick, 5" (12.70 cm) sq.
- #5 - 1/4" (6.35 mm) thick, 5" (12.70 cm) sq.



**Terra-Stand:** Adjustable paver pedestal that screws up and down and tilts side to side to provide level surface for the paver installation.

**Waffle-Reducer:** Base with four rings for height adjustments between 1/2" (12.7 cm) and 2" (5.8 cm) with 3/8" / 3/4" (9.53 mm) increments.

**Blok Handle:** Steel handle for management and placement of Terra-Pavers. Available in nominal: 12" (30.48 cm), 18" (45.72 cm), 24" (60.96 cm)

**Big-Blok Handle:** Two-person steel handle for management and placement of Terra-Pavers. Adjustable to work with nominal 24" (60.96 cm), 30" (76.2 cm), and 36" (91.44 cm) Terra Pavers.

**Wheel-Attachment:** Attaches to big blok handle, allows for one person to lift and position large pavers.

**Limitations:** Substrates that receive Terra System One must be designed to support the weight of the system.

## TECHNICAL DATA:

**Terra-Pavers:** Concrete paving stones individually formed under intense vibration and hydraulic pressure. Tests are documented by independent laboratories on projects of 10,000 sq. ft (929 sq. m) or larger. Materials conform to these ASTM specifications:

- ASTM C 150 for Portland cement
- ASTM C 33a for normal weight aggregate
- Applicable ASTM coloring specifications where necessary
- ASTM C 140 for minimum compression strength of 7,500 psi (average 8,000 psi in 2" material)
- ASTM C 140 for water absorption not greater than five to six percent
- ASTM C 293 for flexural strength of 800 psi in 2" material
- ASTM C 67 Section B Freeze/Thaw - no breakage and not greater loss than one percent in dry weight of any individual unit when subjected to 50 cycles
- Center Load - individual pavers should support a concentrated load of 1,850 lbs on 2" material. (793.8 kg) when supported on four corners. Test method W1 CL-96
- Sizing - permissible variations in dimensions should not differ by more than 1/16" (1.59 mm) in width, height, length, thickness, or convex or concave deflection. Standard units are manufactured with a 3/16" (4.76 mm) bevel on four sides of finished surface.

**Terra-Tab:** SBR rubber unit with 23% recycled content manufactured exclusively for the support of the Terra Pavers on the Terra Stand installed over a waterproof membrane. It has a shore hardness 70 (ASTM D 2240-91) allowing for resiliency without sound transmission. Available in three sizes to accommodate all paver sizes.

Terra-Tab spacing tabs allow for perfect 3/16" (4.76 mm) joints to provide for expansion, air circulation, drainage, and precise alignment. Optional 1/8" (3.18 mm) tabs are available for the #5A and #6A tabs.

Average installations call for one Terra-Tab per paver on a standard square or rectangular deck. Decks of other designs and/or containing columns will require more Terra-Tabs for use with the cut pavers.

**Terra-Shim Plates:** SBR rubber units with 23% recycled content. 1/8" (3.18 mm) thick manufactured to coincide with Terra-Tab sizes. Average installation requires five shim plates per 100 Terra-Tabs. Irregularities in deck sub-surfaces will increase the number of shims required. Optional 1/4" - #5 shims are available upon request.

Terra-Tabs and Terra-Shims can be set directly on the waterproof membrane, on an optional protection board or insulation without harm.

**Waffle Reducer:** The waffle Reducer is made of high impact copolymer polypropylene. Waffle Reducer is made to accommodate height adjustments 1/2" to 2". An outside base diameter of 6" provides surface contact of 33 square inches.

The unit consists of one base with 3 pieces of 3/8" waffle rings and 1 piece of 3/4" waffle ring.

**Blok Handle:** Made of 10-gauge HRCQ steel, Blok Handles are available for most Terra-Pavers. Precise sizing of the handle provides for easy manipulation during installation without harm to the paver or other components, while allowing for 3/16" (4.76 mm) joints. The handle also makes removal easy, should repairs to subsurface components be necessary.

**Big-Blok Handle:** Made of steel, unit is adjustable to work with 24" nominal (60.96 cm), 30" (76.2 cm), and 36" (91.44 cm) pavers. Requires two people to operate.

**Wheel Attachment:** Takes the place of one handle, enabling one person to transport and place paver units. Made of steel, with a 16" x 6.5" pneumatic tire.

## INSTALLATION:

Installation requirements depend upon individual project needs. Wausau Tile, Inc. will recommend tools and techniques, however contractors should have experience in the installation of similar systems. Grid layout and pattern are determined by the architect or installing contractor.

Typical installations begin by determining a starting point based on pattern layout. Next, measurements are taken and chalk lines placed. Terra-Stands or Waffle Reducers are then

placed at the intersections of the chalk line and adjusted as required. A Terra-Tab is placed on top of adjusted unit. Terra-Pavers are then set on Terra-Tabs. Should repair to the sub-structure be needed, Terra-Pavers are easily removed and replaced with the Blok Handle or Big-Blok Handle.

## AVAILABILITY AND COST:

Terra-Stand and other components are delivered factory direct with Terra-Pavers. Prices quoted upon request.

## WARRANTY:

Full Terra System installation, using all components, carries a three-year Limited Warranty.

A copy of the complete warranty is available upon request. Warranties can be negotiated for extension.

## MAINTENANCE:

Complete Terra System installations require periodic cleaning by use of high-pressure water system to rinse off debris. Regular maintenance also includes adjustment of pavers that may have shifted or been damaged. Installations over waterproof membranes allow for access to the substrate for maintenance. Drains should be cleaned as needed to prevent water back up.

## TECHNICAL SERVICES:

Consultation services are available for all Terra System One applications, including paver selection, project design, and installation recommendations. Contact Wausau Tile's Terra-Paving Division for any assistance.

*This information updated 6/10/05 by Wausau Tile, Inc.*



PO Box 1520, WAUSAU, WI 54402-1520

(800) 388-8728

FAX (715) 359-7456

**WAUSAU TILE**

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(800) 388-8728

FAX (715) 359-7456

**WAUSAU TILE**

## MATERIAL: TERRA STAND

Consultant / Architect:

**MKTHINK**

Roundhouse One, 1500 Sansome Street, San Francisco, CA 94111  
mkthink.com 415 402 0888



Project:

Mozilla - San Francisco Office TI  
2 Harrison Street, 7th Floor  
San Francisco, CA 94111

Issued Date: 04/28/2011

Owner / Client:

Mozilla Corporation  
650 Castro Street  
Mountain View, CA 94041



Authentic Bronze

Section Contents	
Introduction	BR-1.0
Bronze Finishes	BR-2.0
Patina Finishes	BR-3.0
Specifications	Appendix



Authentic Bronze Doors from Stiles...

Whether your project calls for historical replication or a creative new signature piece, we have the experience it takes to make your project a success. Bronze entrances make a statement of refinement and elegance like no other material. Our uncompromising attention to detail is reflected in every door we build.

- Commercial Entrance Systems
- Flush, Glass Lite and Solid Panel Configurations
- Constructed of Alloy 464 Bronze
- Custom designed to suit your requirements
- Sustainable materials and construction processes
- Abraded and Patina Finishes
- Multi features including: Bullet , Sound Control, Fire Rated

PRODUCT REFERENCE ONLY:  
NOT REPRESENTATIVE OF FINAL  
DOOR COLOR OR DESIGN, TYP.

Built to Order.™

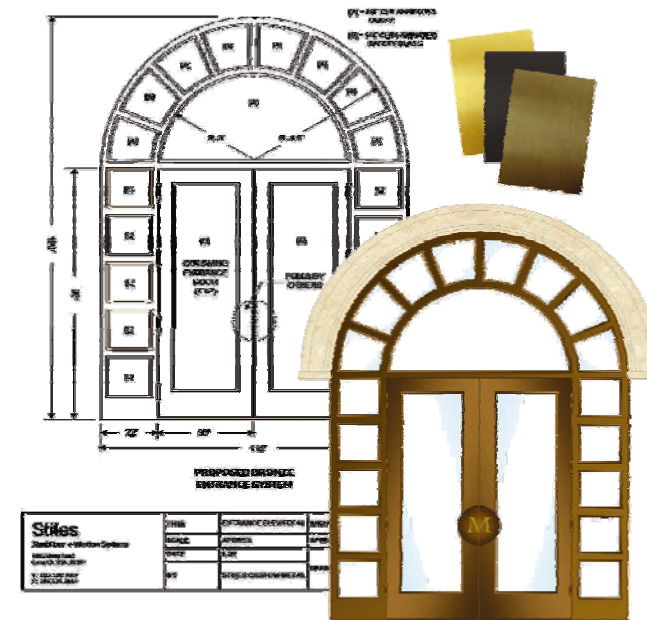
Stiles Custom Metal Inc  
1885 Kinser Road  
Ceres CA USA 95307  
T 209 538 3667  
F 209 538 2776  
E sales@stilesdoor.com

www.stilesdoor.com

B

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Introduction



Authentic Bronze Doors from Stiles

When custom bronze doors and windows are required, you can count on Stiles for engineered high performance and outstanding visual appeal. Because Stiles Authentic Bronze Doors and Windows are built-to-order, unlimited opportunities exist for architects and designers to create signature-piece entrances. Features include:

- Entrance doors, frames, windows, storefront systems, and surrounds
- Historical replication or create new designs
- Alloy 464 Naval Brass construction
- A variety of finishes and factory-applied patinas
- Door elevations including flush, glass lite, raised panel and recessed panel
- Moulding options ranging from traditional to contemporary
- Proprietary multiple performance features such as fire rating and sound control

Stiles Custom Metal Inc  
1885 Kinser Road  
Ceres CA USA 95307  
T 209 538 3667  
F 209 538 2776  
E sales@stilesdoor.com

www.stilesdoor.com

B-1.0

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REFERENCE ONLY: EXISTING ADJACENT  
DOUBLE-DOOR TO REMAIN, NO CHANGES.  
NEW STOREFRONT SYSTEM, SINGLE DOOR  
& SIDELITE, TO MATCH BUILDING  
STANDARD FOR STYLE & FINISH, TYP.



(E) 7<sup>TH</sup> FLOOR PENTHOUSE ROOF ACCESS

**MATERIAL: STOREFRONT ASSY.**

Consultant / Architect:

**MKTHINK**  
Roundhouse One, 1500 Sansome Street, San Francisco, CA 94111  
mkthink.com 415 402 0888



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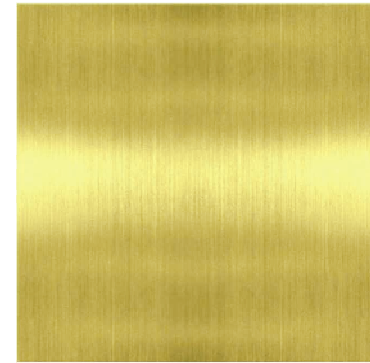
Mozilla – San Francisco Office TI  
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San Francisco, CA 94111

Issued Date: 04/28/2011

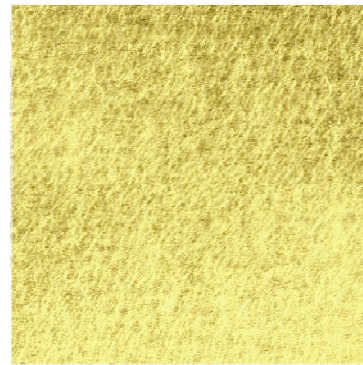
Owner / Client:

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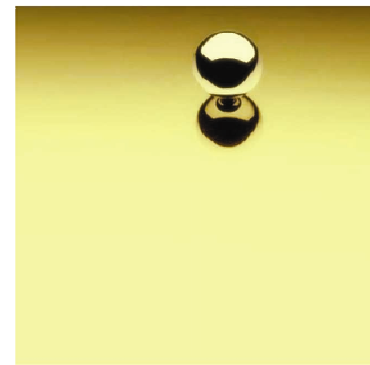
**Bronze Abraded Finishes**  
(Shown on Alloy 464 Naval Brass)



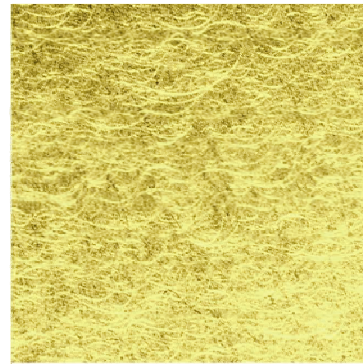
**No. 4 Finish**  
A lightly grained surface produced by single-directional abrading. The most common bronze finish for architectural products.



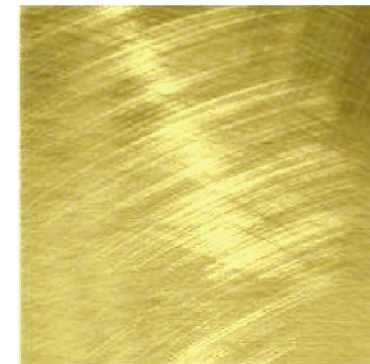
**Non-Directional Finish**  
Produced by fine grit orbital sanding (non-directional) on mill finish bronze



**No. 8 Finish (Mirror Polished)**  
Obtained by polishing with successively finer abrasives, then buffing with a very fine compound.



**Angel Hair Finish**  
Produced by medium-fine grit orbital sanding, non-directional.

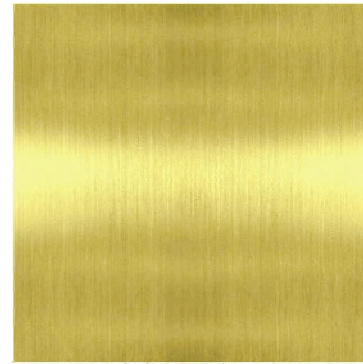


**Random Swirl Finish**  
Grained surface produced by random multi-directional abrading.

**Clear Coat**  
An optional high-performance factory-applied clear coat is available in satin, semi-gloss, and high gloss sheens.

**NOTE:** Illustrations above may differ slightly from actual finishes. Finish samples will be provided for approval at time of order. Special finishes available - contact factory

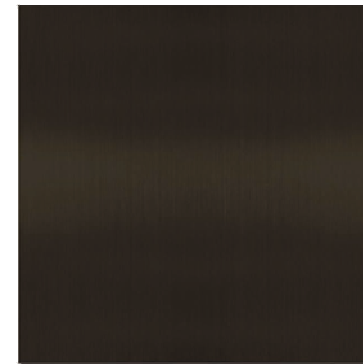
**Patina Finishes**  
(Shown on Alloy 464 Naval Brass, #4)



**Natural**  
The natural color of Alloy 464 Naval Brass; a bright golden hue.



**Medium Bronze**  
A rich medium brown with pronounced golden hues.



**Oil Rubbed Bronze**  
A dark brown color with deep golden tones of varying intensities. Similar to US10B



**Dark Statuary Bronze**  
A dark brown-black statuary color that varies slightly with the natural characteristics of the metal.

**Important Facts About Stiles Patina Finishes**

Patina finishes offer a natural color variation as opposed to paint or anodizing. The irregular patterns, color intensities and substrate metal all play a part in the ambience of a patina finish. In addition, each individual artist will produce a slightly different "application signature" to the piece. If you require a finish that is perfectly uniform in appearance, we suggest you specify a Tronac or powder coated finish rather than a patina (metallic paints and powders available).

**Clear Coat**

An optional high-performance factory-applied clear coat is available in satin, semi-gloss, and high gloss sheens. **NOTE:** Illustrations above may differ slightly from actual finishes. Finish samples will be provided for approval at time of order. Special finishes available - contact factory for more information.

**PRODUCT REFERENCE ONLY:**  
NOT REPRESENTATIVE OF FINAL DOOR FINISH. NEW STOREFRONT SYSTEM, SINGLE DOOR & SIDELITE, TO MATCH BUILDING STANDARD FOR STYLE & FINISH, TYP.



**PART I GENERAL****1.01 SUMMARY:**

Description: Work includes Bronze Interior and Exterior Doors, Frames, and related Sidelites and Transoms where applicable.

Related work not included in this section:

1. Finish hardware including lock cylinders and thresholds.
2. Glass and glazing.
3. Caulking between frames and masonry.
4. Structural members.

**1.02 QUALITY ASSURANCE:**

- A. Applicable standards of the following as referenced herein:
  1. AAMA, American Architectural Manufacturers Association
  2. ASTM, American Society for Testing and Materials
  3. ADA, Americans with Disabilities Act
  4. CDA, Copper Development Association
  5. NAAMM / HMMA, National Association of Architectural Metals Manufacturers
- B. Quality is based on Authentic™ Bronze Doors and Frames manufactured by Stiles Custom Metal, Inc.
- C. Manufacturer shall have been regularly engaged in manufacturing bronze doors and frames for a period of ten years. Doors and Frames shall be fabricated by a single manufacturer. The manufacturer must have an effective quality control system in place.
- D. Allowable Tolerances as stated in NAAMM / HMMA Technical Manual.

**1.03 SUBMITTALS:**

- A. Shop drawings: Indicate in elevation with sections and details to scale. Include glass and metal thicknesses, joining details, field connections, anchorage, concealed and exposed fastening methods, door and framing reinforcement, and metal finishes. Indicate compliance with specified design criteria.
- B. Visual samples: Submit two (minimum 5" x 7") samples indicating texture and color to be expected in finished work.
- C. Maintenance data: Give instructions for general maintenance and repair of surfaces and finishes.

**1.04 WARRANTY:** Warrant Authentic™ Bronze Doors, Frames, and Window assemblies against defects in materials and workmanship for three (3) years beginning thirty days after shipment when handled, stored, and installed in accordance with manufacturer's instruction and NAAMM / HMMA Technical Manual. Adjustments occurring as a result of shifting or settling of building structure shall not be covered by warranty. Clear coat manufacturer's warranty applies.

**PART II PRODUCTS****2.01 DOORS:**

- A. Acceptable products: Authentic™ Bronze Doors & Frames manufactured by Stiles Custom Metal, Inc.,
- B. Bronze Materials: CDA Alloy 464 Naval Brass, Doors minimum 0.06" thick.
- C. Finish: (Make Selections) \*See [www.stilesdoors.com](http://www.stilesdoors.com) for details
  1. Abraded Finish: (choose one) [#4 Satin], [#8 Polished], [Non-Directional], [Angel Hair], [Random Swirl]
  2. Color: (choose one) [Natural], [Medium Bronze], [Oil-Rubbed Bronze], [Dark Statuary Bronze]
  3. Clear Protective Lacquer Coating: (choose one) [No Clear Coat], [Satin], [Semi-Gloss], [High-Gloss]
- D. Fasteners: Bronze fasteners associated with door construction shall be concealed type.
- E. Design of stile and rail profiles: As indicated on drawings. Door thickness (choose one) [1-3/4"] or [2"] Code may stipulate bottom rail height.

- F. Door Construction: Doors shall be unitized construction with continuous forms reinforcement stiffening channels welded into door body. Three metal thicknesses, welded into door body, shall be required for all hardware reinforcement.
  1. Stile and rail doors shall be blanked-out from one sheet of metal. No welding shall be performed on door faces. Exposed seams on door faces shall not be acceptable. Assembly with bolts, screws, or tie-rod connections shall not be acceptable.
  2. Doors shall have high impact resistant polyurethane core.
  3. Door edge construction: (choose one) [Stiles replaceable Air-Tek™ integral weather-strip], [Continuous Welded Seamless], [Hairline seam] \*See [www.stilesdoors.com](http://www.stilesdoors.com) for details. Adhesive or screw-applied weather-strip shall not be acceptable.
  4. Cladding over aluminum, steel, or wood construction shall not be acceptable.
- G. Glass Lite Kits: (choose one)
 

[Molding type Lite Kit: Shall be mitered and welded type corners, finished smooth and re-grained to match. Molding on exterior side of door shall be permanently attached. Interior removable molding shall be attached with #8 oval head sheet metal screws of matching material.]

[Internal Channel Type Flush Glass Moldings: Shall be securely welded to the inside of the door skin. Removable glass channel stops shall be butted at corner joints, secured to door with concealed #8 sheet metal screws. Exposed fasteners shall not be accepted.]

**2.02 FRAMES:**

- A. Construction:
  1. Material shall be minimum 0.06" thick with the same texture and finish as doors.
  2. Fabricate components in accordance with approved shop drawings. Frames shall be fully welded construction with welds ground smooth and blended to be indistinguishable in finished work. Finish shall match entrance doors.
- B. Exposed fasteners shall be countersunk and shall match framing color.
- C. Exterior Door frames shall have Stiles Seal-Tek™ integral weather-strip at vertical jambs and head. Adhesive applied weather-strip shall not be acceptable.
- D. Hardware: Manufacturer shall prepare and reinforce for mortised templated hardware per manufacturer's templates and in accordance with NAAMM / HMMA.

**PART III EXECUTION**

**3.01 CLEARANCES AND TOLERANCES** shall be in compliance with NAAMM / HMMA standards.

**3.02 SITE STORAGE AND PROTECTION OF MATERIALS**

- A. Deliver and store materials to prevent damaging and marring to finishes.
- B. Protection: Protect metal surfaces from contact with lime, mortar, cement, acids, and other harmful substances / surfaces and from careless handling, storage or machining.

**3.03 INSTALLATION**

- A. Framing systems shall be installed per Stiles instructions and NAAMM / HMMA 840. Install frames without use of exposed fasteners, except where indicated on shop drawings.
- B. Door Installation: Install doors and hardware in accordance with manufacturer's product data. Adjust hardware for proper operation.

**3.04 CLEANING:** Clean doors and frames in accordance with manufacturer's special instructions.

**3.05 MAINTENANCE:** Instruct the Owner's Maintenance Personnel regarding the operation and maintenance of these doors.

End of Section

PRODUCT REFERENCE ONLY:  
NOT REPRESENTATIVE OF FINAL  
DOOR FINISH. NEW STOREFRONT  
SYSTEM, SINGLE DOOR & SIDELITE,  
TO MATCH BUILDING STANDARD  
FOR STYLE & FINISH, TYP.



## PART I GENERAL

## 1.01 SUMMARY

- A. Description: Work includes Bronze Clad Interior and Exterior Steel Doors, Frames, and related Sidelites, and Transoms where applicable.
- B. Related work not included in this section:
1. Finish hardware including lock cylinders and thresholds.
  2. Glass and glazing.
  3. Caulking between frames and masonry.
  4. Structural members.

## QUALITY ASSURANCE

- A. Applicable standards of the following as referenced herein:
1. AAMA, American Architectural Manufacturers Association
  2. ASTM, American Society for Testing and Materials
  3. ADA, Americans with Disabilities Act
  4. CDA, Copper Development Association
  5. NAAMM / HMMA, National Association of Architectural Metals Manufacturers
- B. Quality is based on Bronze Clad Steel Doors and Frames manufactured by Stiles Custom Metal, Inc. [www.stilesdoor.com](http://www.stilesdoor.com)
- C. Manufacturer shall have been regularly engaged in manufacturing bronze doors and frames for a period of ten years. Doors and frames shall be fabricated by a single manufacturer. The manufacturer must have an effective quality control system in place.
- D. Allowable Tolerances as stated in NAAMM / HMMA Technical Manual.

## 1.03 SUBMITTALS

- A. Shop drawings: Indicate in elevation with sections and details to scale. Include glass and metal thicknesses, joining details, field connections, anchorage, concealed and exposed fastening methods, door and framing reinforcement, and metal finishes. Indicate compliance with specified design criteria.
- B. Finish samples: Submit two (minimum 5" x 7") samples indicating texture and color and to be expected in finished work.
- C. Maintenance data: Give instructions for general maintenance and repair of surfaces and finishes.

- 1.04 WARRANTY:** Warrant Bronze Clad Steel Doors, Frames, and Window assemblies against defects in materials and workmanship for three (3) years, beginning thirty days after shipment when handled, stored, and installed in accordance with manufacturer's instructions and NAAMM / HMMA Technical Manual. Adjustments made necessary due to shifting or settling of building structure shall not be covered by warranty. Clear coat manufacturers warranty applies.

## PART II PRODUCTS

## 2.01 DOORS

- A. Acceptable products: Bronze Clad Steel Doors & Frames manufactured by Stiles Custom Metal, Inc.
- B. Bronze Cladding Material: CDA Alloy 464 Naval Brass, minimum 0.045" thick.
- C. Finish: (Make Selections) \*See [www.stilesdoors.com](http://www.stilesdoors.com) for details
1. Abraded Finish: (choose one) [#4 Satin], [#8 Polished], [Non-Directional], [Angel Hair], [Random Swirl]
  2. Color: (choose one) [Natural], [Medium Bronze], [Oil-Rubbed Bronze], [Dark Statuary Bronze]
  3. Clear Protective Lacquer Coating: (choose one) [No clear coat] [Satin], [Semi-Gloss], [High-Gloss]
- D. Design of stile and rail profiles: As indicated on drawings. Door thickness: (choose one): [1-3/4"] or [2"]
- E. Code may stipulate bottom rail height.

## F. Door Construction:

1. Base steel doors minimum 0.056" thickness and shall be unitized construction with continuous forms reinforcement stiffening channels welded into door body consistent with Stiles steel door construction. Assembly with bolts, screws, or tie rod connections shall not be acceptable.
2. Bronze Cladding: Minimum 0.045" thick. Cladding shall be blanked-out from one sheet of metal. No welding shall be permitted. Exposed seams on door faces are not acceptable. Prior to cladding, base door shall have a permanent coating applied which will prevent galvanic reaction. Cladding shall be applied to door with a tested, permanent, lifetime compression adhesive.
3. Door edge construction: (choose one) [Stiles replaceable Air-Tek™ integral weather-strip], [Hairline Seam] Adhesive or screw-applied weather strip shall not be accepted.
4. Bronze cladding over aluminum or wood construction shall not be accepted.

## G. Glass Lite Kits: (choose one)

[Molding type lite kit with mitered corners welded, finished smooth and re-grained to match. Molding on exterior side of door to be permanently attached. Interior removable molding shall be attached with #8 oval head sheet metal screws of matching material].

[Internal channel type, flush glass moldings, securely welded to the inside face of the door skin. Removable glass channel stops shall be butted at corner joints, secured to the door with concealed, #8, sheet metal screws. Exposed fasteners shall not be accepted].

## 2.02 FRAMES

## A. Construction:

1. Material shall be minimum 0.06" thick with the same texture and finish as doors.
  2. Fabricate components in accordance with approved shop drawings. Frames shall be fully welded construction with welds ground smooth and blended to be indistinguishable from finished work. Finish shall match doors.
- B. Exposed fasteners shall be countersunk and shall have finish to match framing color.
- C. Exterior Door frames shall have Stiles replaceable Seal-Tek™ integral weather-strip at vertical jambs and head. Adhesive applied weather-strip shall not be accepted.
- D. Hardware: Manufacturer shall prepare and reinforce for mortised templated hardware per manufacturers templates and in accordance with NAAMM / HMMA.

## PART III EXECUTION

- 3.01 CLEARANCES AND TOLERANCES** shall be in compliance with NAAMM / HMMA standards.

## 3.02 SITE STORAGE AND PROTECTION OF MATERIALS

- A. Deliver and store materials to prevent damaging and marring of finishes.
- B. Protection: Protect metal surfaces from contact with lime, mortar, cement, acids, and other harmful substances / surfaces, and from careless handling, storage or machining.

## 3.03 INSTALLATION

- A. Framing systems shall be installed per Stiles instructions and NAAMM / HMMA 840. Install frames without use of exposed fasteners, except where indicated on shop drawings.
- B. Door Installation: Install doors and hardware in accordance with manufacturer's product data. Adjust hardware for proper operation.

- 3.04 CLEANING:** Clean doors and frames in accordance with manufacturer's special instructions.

- 3.05 MAINTENANCE:** Instruct the Owner's Maintenance Personnel regarding the operation and maintenance of these doors.

End of Section

PRODUCT REFERENCE ONLY:  
NOT REPRESENTATIVE OF FINAL  
DOOR FINISH. NEW STOREFRONT  
SYSTEM, SINGLE DOOR & SIDELITE,  
TO MATCH BUILDING STANDARD  
FOR STYLE & FINISH, TYP.



## CLEARVIEW® INSTALLATION INSTRUCTIONS

### REQUIRED INSTALLATION TOOLS:

- 24" Level
- Power drill, 1/8" and 3/16" bits
- 1/2" and 9/16" sockets
- (2) 7/16" wrenches
- Cable cutter & crimper
- Tape measure
- Small vise-grips
- Masking tape
- Clean rags
- Caulking gun
- Anti-seizing compound (No-Seize, etc.)

### ADDITIONAL TOOLS FOR FLAT TOP RAIL SYSTEMS:

- "C" Clamp
- Small screwdriver

Please read instructions thoroughly before beginning installation.

### SECTION 1: SIDE MOUNT FRAME INSTALLATION (For top mount systems, skip to Section 2)

Lay out the posts and top rail per the provided drawing(s). Begin your installation at any corner or where otherwise designated on the drawing(s).

- 1A. Locate the post per the dimensioned drawing(s), then measure down 2-9/16" from the top of the mounting surface.
- 1B. Drill a pilot hole at this point with the 3/16" drill bit. This is the location of the top mounting hole of the first post.
- 1C. Position the post so that its top mounting hole is aligned with the pilot hole and install one of the 3/8" lag screws.
- 1D. Use the level to plumb the post. Next, drill the pilot hole for the bottom mounting hole and insert a lag screw as in Step 1C. After ensuring the post is plumb in all directions, tighten the lag screws.\*\*
- 1E. Proceed to Section 3 for Round Rail Installation.



\*\* For flat top rail or wood cap rail, repeat the steps in Section 1 until all posts are installed. Then, for flat top rail, skip to Section 4; for wood cap rail, skip to Section 5.

### SECTION 2: TOP MOUNT FRAME INSTALLATION

Lay out the posts and top rail per the provided drawing(s). Begin your installation at any corner or where otherwise designated on the drawing(s).

- 2A. Locate the post per the dimensioned drawing so that the edge of the base plate is parallel to the edge of the mounting surface.
- 2B. Drill a pilot hole with the 1/8" drill bit in one of the four mounting holes then install a 5/16" lag screw.
- 2C. Drill the remaining pilot holes and insert lag screws. Do not tighten them until the post has been plumbed in all directions using the level. **TIP: Centering a shim under the base plate will facilitate plumbing the post if surface is uneven.** Now tighten the lag screws.\*\*
- 2D. Proceed to Section 3 for Round Top Rail Installation.



\*\* For flat top rail or wood top rail, repeat the steps in Section 2 until all posts are installed. Then, for flat top rail, skip to Section 4; for wood top rail, skip to Section 5.

### SECTION 3: ROUND TOP RAIL INSTALLATION (For flat top rail, skip to Section 4)

- 3A. Install the first rail component (i.e. railing segment; elbow; gooseneck) by applying bonding agent to the inside of each open end. Slide the component onto the sleeve of the installed post with a twisting motion. **Before applying bonding agent, clean the bonding surfaces with a clean rag and acetone.**
- 3B. Take the next post and, with a twisting motion, slide it into the open end of the top rail component. Then, following the steps in Section 1 or 2, install the post. **Horizontal members will follow the pitch of the mounting surface, so leveling them is unnecessary.**
- 3C. Repeat steps in Section 1 or 2 until installation is completed. Clean off excess bonding agent with acetone.
- 3D. Proceed to Section 5 for Cable Installation.

CONTINUED ON REVERSE SIDE

### SECTION 4: FLAT TOP RAIL INSTALLATION

- 4A. Begin with the top rail component that corresponds to the first post(s) installed.
- 4B. Clamp the component on one side of the post with the "C" clamp to hold it in place. **TIP: Placing a rag between the clamp jaws and component will prevent marring the stainless steel.** Drill a pilot hole with the 1/8" drill bit provided by AGS Stainless. Install a #10 x 1/2" self-tapping screw, taking care not to over tighten. Repeat on each side of the post. If there is a splice, continue to Step 4C, otherwise skip to Step 4H.
- 4C. With acetone, clean the inside of the open end of the component that is to be spliced and apply bonding agent.
- 4D. Slide a splice block, pattern side down, into the end with the bonding agent.
- 4E. Install two #6 x 1/4" screws through the pre-drilled holes on the underside of the component to secure the splice block.
- 4F. After cleaning the end and applying bonding agent, slide the next component onto the exposed splice block and attach as instructed in Step 4E.
- 4G. Fasten the top rail to the corresponding installed post(s) as in Step 4B. **Note: Horizontal members will follow the pitch of the mounting surface, so leveling them is unnecessary.**
- 4H. Repeat Steps 4B-4G until installation is completed. Clean off excess bonding agent with acetone.
- 4I. Proceed to Section 5 for Cable Installation.

### SECTION 5: CABLE INSTALLATION



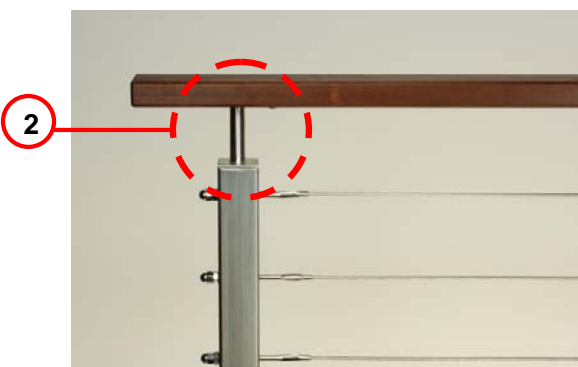
\*\* FOR PROJECTS USING FLAT TOP RAIL OR WOOD TOP RAIL, DO NOT INSTALL CABLES UNTIL ALL RAILING HAS BEEN SECURED TO THE TOP OF THE POSTS. (Note: Hardware for attaching wood rail is not included).

- 5A. Begin with the center cable or either of the two centermost cables.
- 5B. Slide a cable all the way into a threaded fitting. Attach the fitting to the cable with two crimps, half an inch apart, locating the first one half an inch from the open end. **TIP: Rotating the fitting and cable 180 degrees so that the crimps are placed on opposite sides will minimize the amount of distortion. Fittings are easily straightened by tapping lightly with a hammer.** (If installing on a stair run, do not attach the fitting until the cable has been threaded through the intermediate post(s) since bent fittings will not pass through angled holes. At this point, attach the fitting and go to Step 5D.)
- 5C. Feed the threaded end of the attached fitting through a full run of holes.
- 5D. Screw one 1/4" jam nut onto the fitting so that threads extend 1/8" past the nut. Screw an acorn nut on to the fitting and securely tighten it against the jam nut, locking it in place.
- 5E. At the other end of the cable, pull the cable taut and cut it 3/8" from the INSIDE face of the post at that end of the run. Attach a fitting as in Step 5B then feed it through the post.
- 5F. Screw one 1/4" jam nut onto fitting and tighten until slack is taken out of cable, taking care not to over tighten. **TIPS: 1.) Securing the fitting with vise grips at the inside face of the post during tensioning of the cable will prevent the fitting from rotating. 2.) Placing masking tape over the jaws of the vise grips will prevent marring the fitting. 3.) Applying a bit of anti-seizing compound to the exposed fitting threads will facilitate tensioning the cables.**
- 5G. Secure nut position by tightening an acorn nut against the jam nut.
- 5H. Repeat Steps 5B-5G, moving away from the initial cable, one cable at a time, alternating up and down, until installation is completed.

THANK YOU FOR CHOOSING AGS STAINLESS, INC.

We want to hear from you! Send us your feedback and photos to be included in our website's Customer Photo Album. If you have any questions or concerns, please do not hesitate to call us at (888) 842-9492 or email us at [info@agsstainless.com](mailto:info@agsstainless.com).

**MATERIAL: STAINLESS STEEL POST & CABLE w/ WOOD TOP RAIL**



2 – RAILING ELEVATION w/ WOOD CAP



3 – RAILING PERSPECTIVE w/ WOOD CAP



2 – METAL POST END REDUCER, TYPICAL



1 – METAL POST END REDUCER, ANGLED

Consultant / Architect:

**MKTHINK**

Roundhouse One, 1500 Sansome Street, San Francisco, CA 94111  
mkthink.com 415 402 0888

Project:



Mozilla – San Francisco Office TI  
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San Francisco, CA 94111

Issued Date: 04/28/2011

Owner / Client:

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Mountain View, CA 94041

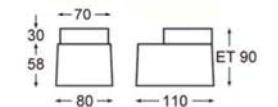
# BEL 10.100

## Series Outdoor

### recessed floor luminaire



Einbaudose / recess box



#### General

#### Technical data

5 x LED WHITE, housing made from high-grade die-cast, light diffuser made from frosted pressed glass, outer flange made from stainless steel, max. load capacity: 3000 kg at 20 km/h, surface temperature of glass: 40 °C

Protection class II, IP67



**colour**  
stainless steel

**Fastening**  
fastening via recess box (included, not for cavity wall installation)

**Connection / Supply unit**  
power supply unit integral  
ready for connection  
Supply voltage: 230 V / 50 Hz  
System power: 0.6 VA

**Dimensions**  
Outer diameter: 70 mm  
Diameter luminaire housing: 65 mm; height luminaire housing: 72 mm  
Length: 110 mm  
Width: 80 mm  
Height: 90 mm

**Installation dimensions**  
Recessed depth: 90 mm

**Weight** ca. 0.4 kg

04.2011 - Technical data are subject to change. Errors and omissions excepted.

## MATERIAL: OUTDOOR DECK LIGHTING

Consultant / Architect:

**MKTHINK**

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mkthink.com 415 402 0888



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-	CERT. OF APPROPRIATENESS	04.28.2011

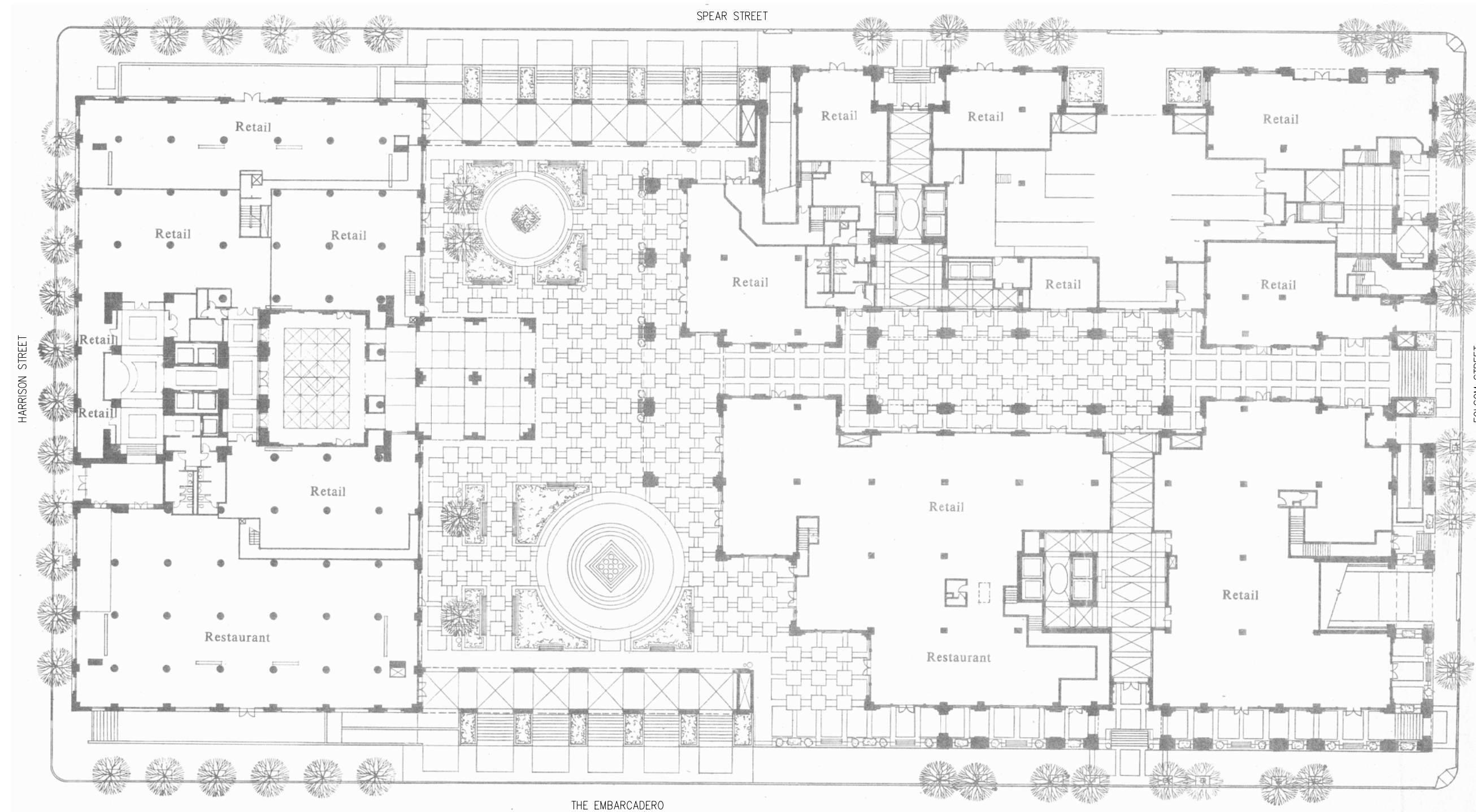
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**EXISTING SITE PLAN - FOR REFERENCE ONLY**

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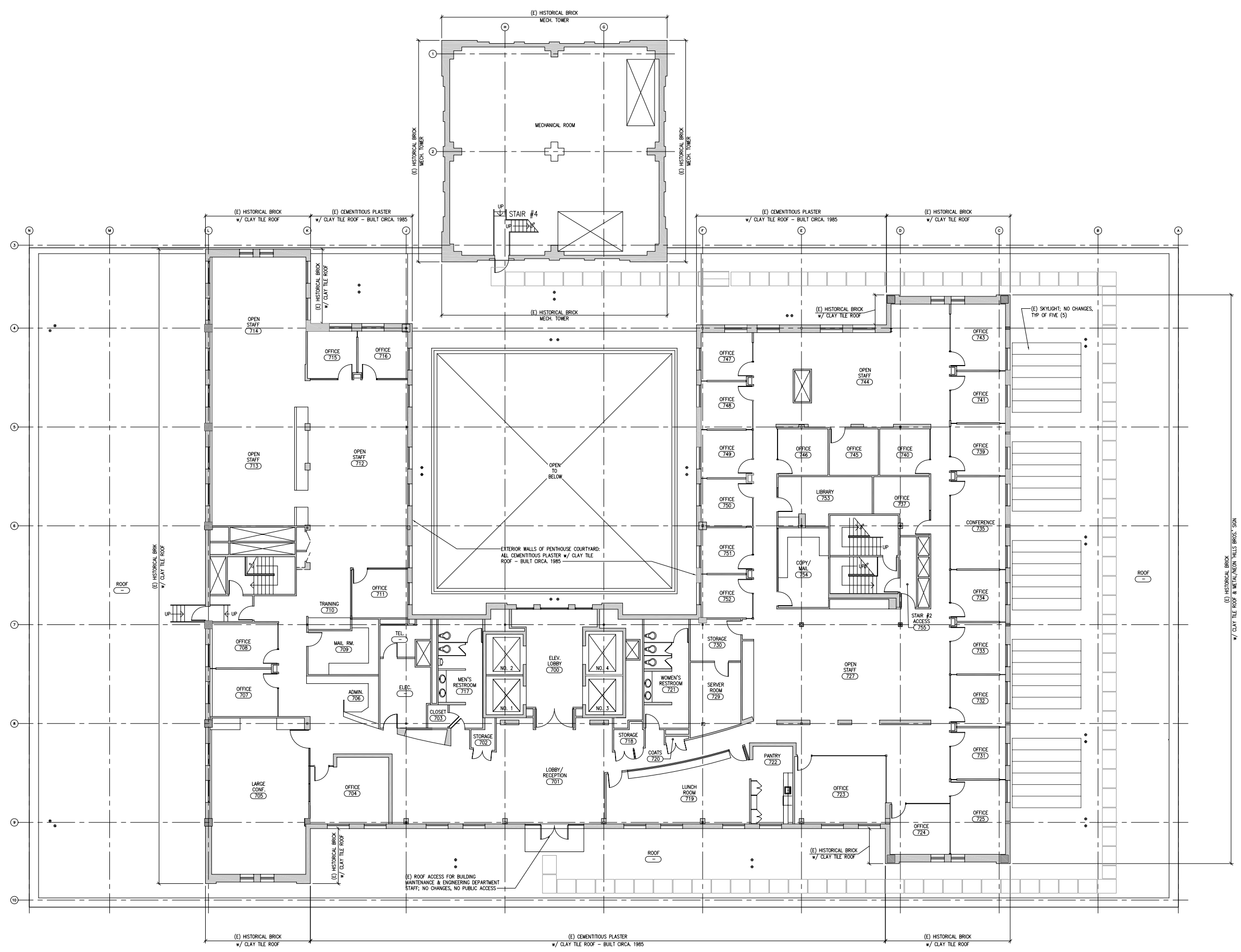
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Drawing Description:

### EXISTING PLAN - 7th FLOOR PENTHOUSE

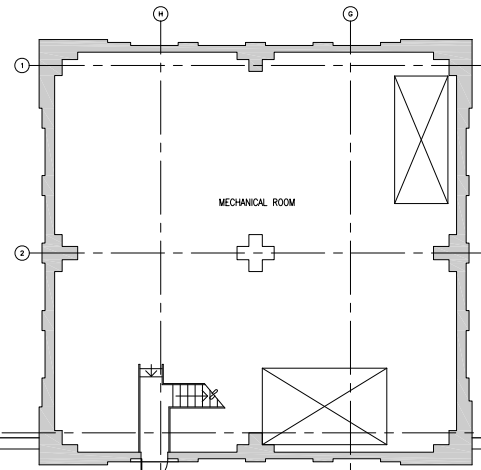
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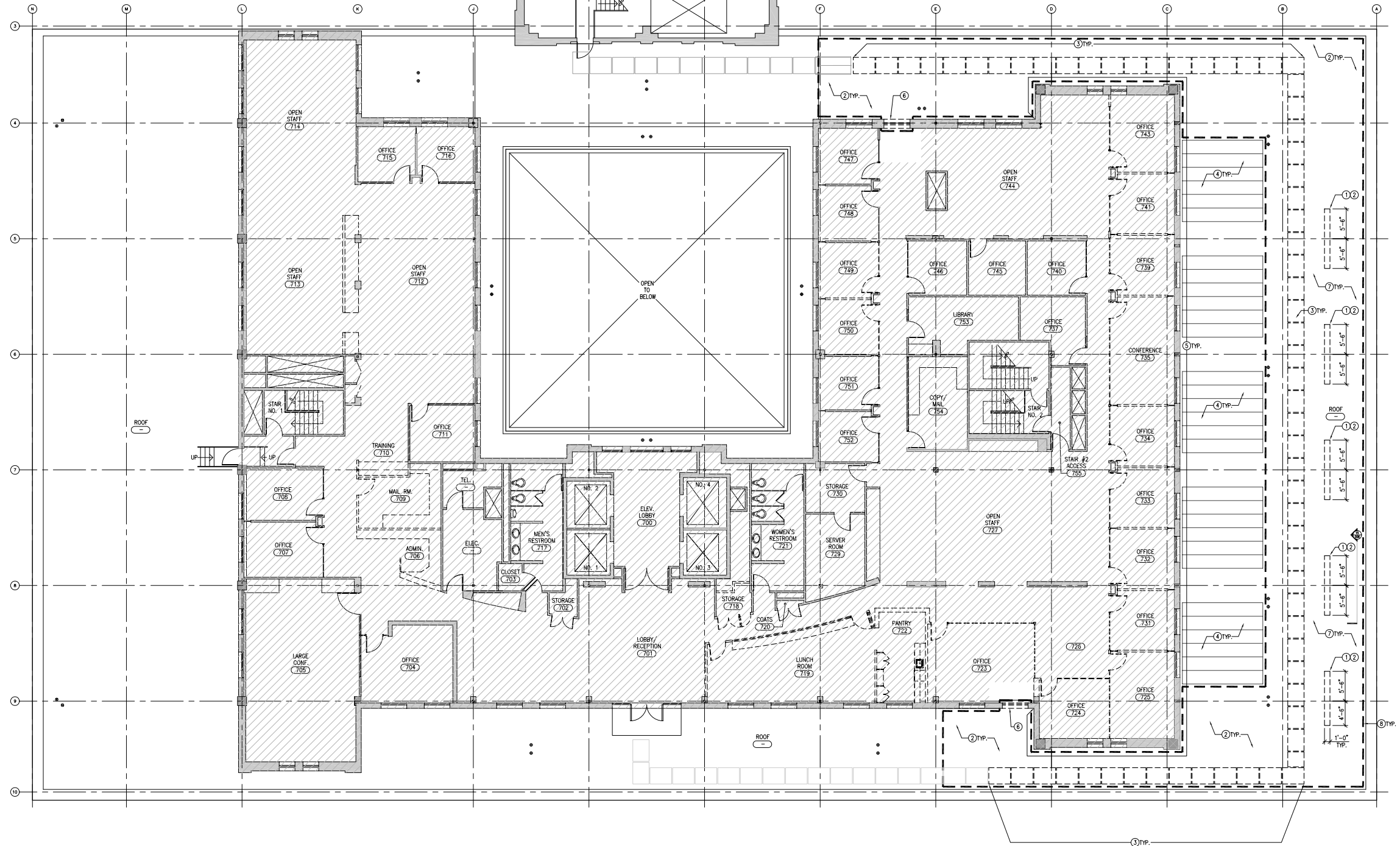


EXISTING PLAN - 7th FLOOR PENTHOUSE  
 Scale: 1/8" = 1'-0"





- DEMO KEY NOTES
- ① CARBON FIBER REINFORCING STRAPS TO BE INSTALLED OVER (E) STRUCTURAL SYSTEM AS SHOWN, VERIFY LOCATION OF STRUCTURE, CLEAN (E) ROOF SURFACE TO BARE CONCRETE, AND APPLY CARBON FIBER REINFORCING STRAPS BY FIFE COMPANY, OR APPROVED EQUIVALENT.
  - ② MAINTAIN WATERPROOFING MEMBRANE, REPAIR AS REQ'D IF DAMAGED, TYP.
  - ③ REMOVE (E) RUBBER ENGINEERING WALKING PADS; SAVE FOR BUILDING MAINTENANCE DEPARTMENT & ENGINEERING USE, TYP.
  - ④ (E) SKYLIGHTS TO REMAIN; NO NEW WORK, TYP.
  - ⑤ (E) HISTORICAL BRICK FACADE TO REMAIN; NO NEW WORK TO CONTACT, ATTACH, OR OTHERWISE ALTER HISTORICAL BRICK FACADE, TYP.
  - ⑥ DEMO (E) WINDOW & SILL TO INSTALL (N) STOREFRONT ASSEMBLY & SIDELITE; REPAIR ALL (E) FINISHES PER BUILDING STANDARD, TYP.
  - ⑦ PREP ROOF SURFACE TO RECEIVE (N) DECK PEDESTAL & PAVER SYSTEM BY WAUSAU TILE (OR APPROVED EQUIVALENT); ENSURE WATERPROOFING, & REUSE GRAVEL TO MAINTAIN ROOF COVER, TYP.
  - ⑧ BOUNDARY OF EXTERIOR & ROOF WORK; NO NEW WORK TO CONTACT, ATTACH, OR OTHERWISE ALTER THE HISTORICAL BRICK FACADES OR SIGNAGE, TYP.



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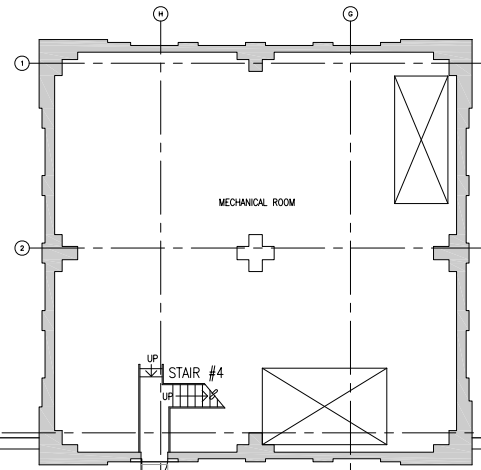
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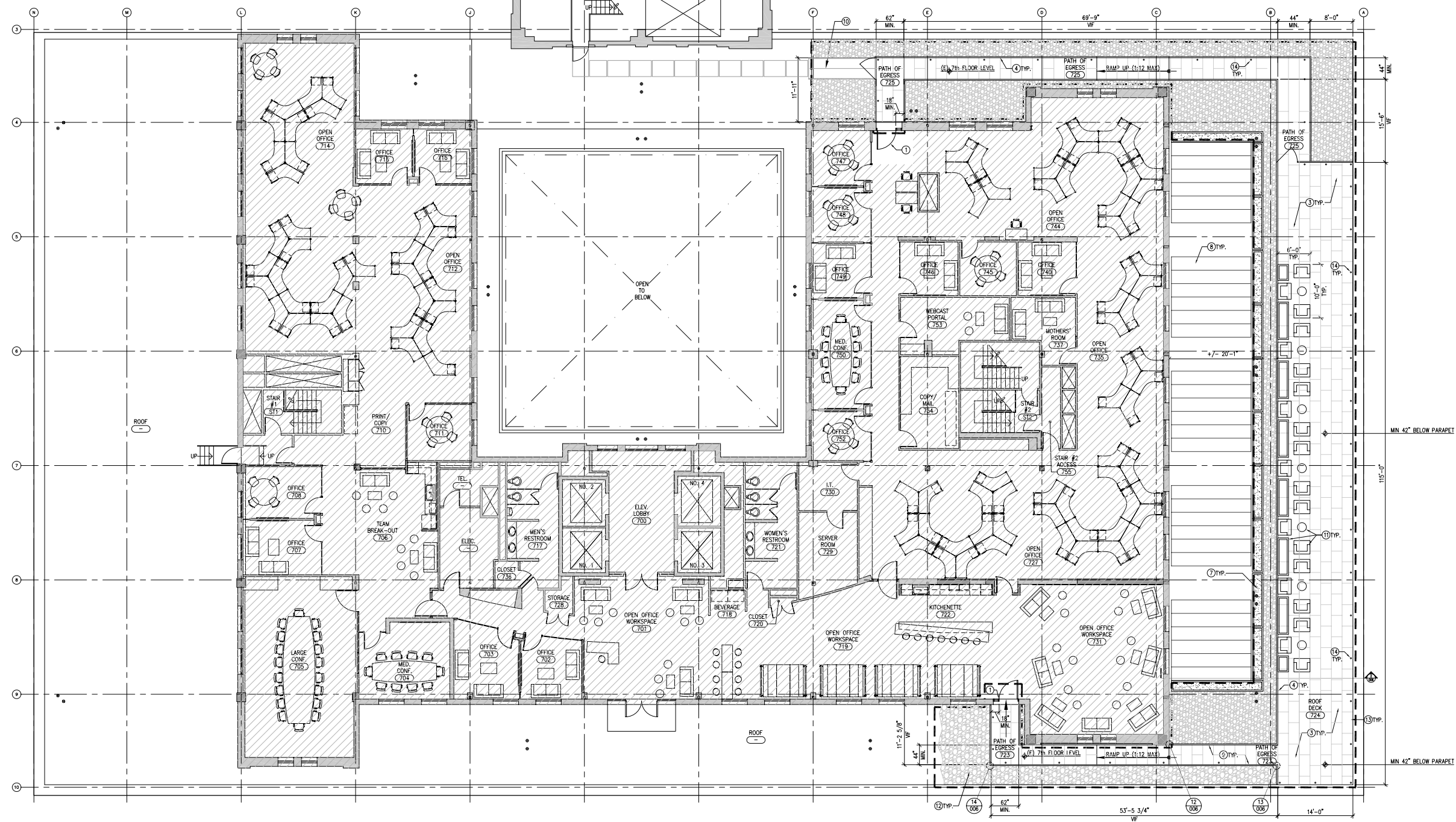
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**DEMO PLAN - 7th FLOOR  
 PENTHOUSE**

Drawn By: \_\_\_\_\_ Checked By: \_\_\_\_\_  
 Sheet Number: \_\_\_\_\_



**PLAN KEY NOTES:**

- ① (N) CUSTOM STOREFRONT ASSEMBLY, SINGLE DOOR & SIEBELITE, TO BE INSTALLED INTO (E) WALL. REMOVE (E) WINDOW AND PREPARE SILL TO RECEIVE (N) ASSEMBLY BY STILES CUSTOM METAL, INC. OR APPROVED EQUIVALENT. MATCH (E) BUILDING STANDARD FINISH & HARDWARE, TYP. REPAIR ANY DAMAGE TO (E) CONDITIONS, TYP.
- ② (N) DECK TO MATCH (E) INTERIOR 7TH FLOOR LEVEL; SLOPE DOWN (1:12 MAX) TO MAINTAIN FINISHED DECK SURFACE @ 42" MIN. BELOW (E) PARAPET EDGE, TYP.
- ③ (N) DECK & PEDESTAL SYSTEM BY WAUSAU TILE; 24" X 48" CONCRETE PAVERS (OR APPROVED EQUIVALENT) LAY IN ASHLER PATTERN RUNNING THE LENGTH OF DECK, TYP.
- ④ (N) CONTINUOUS STAINLESS STEEL RAILING W/ WOOD TOP RAIL (+3/4" MIN) AND STAINLESS STEEL CABLES BY AGS STAINLESS INC. (OR APPROVED EQUIVALENT) WOOD TOP RAIL NOT VISIBLE FROM STREET VIEW, TYP. SEE SECTION CUT 4/COA-005 AND DETAIL 6/COA-006.
- ⑤ PROVIDE (N) 44" MIN. GATE & ACCESS RAMP FOR BUILDING ENGINEER ACCESS TO OTHER ROOF AREAS
- ⑥ (N) DECORATIVE RIVER ROCK SURFACE AGGREGATE; 1-4" DIAMETER, COLOR TO BE DETERMINED, TYP.
- ⑦ (N) PLANTER BOXES ADJACENT TO (E) SKYLIGHTS, FIXED TO ROOF SURFACE. SCREEN VIEW IN & OUT OF 6TH FLOOR TENANT SPACE, +60" MAX. ABOVE ROOF SURFACE. PLANTINGS TBD.
- ⑧ NO CHANGES TO (E) SKYLIGHTS, TYP.
- ⑨ MAINTAIN 44" MIN. CLEAR BETWEEN (N) RAILINGS FOR EMERGENCY EGRESS & BUILDING MAINTENANCE ACCESS, TYP. ALL ACCESS/EXIT PATHS
- ⑩ PROVIDE RAMP TRANSITION FROM (N) DECK TO (E) ROOF SURFACE FOR BUILDING ENGINEERS & MAINTENANCE
- ⑪ (N) FIXED SEATING, TABLES, & PLANTER BOXES; STYLE AND COLOR TO BE DETERMINED, TYP.
- ⑫ (N) DECORATIVE RIVER ROCK TO BE DETERMINED; SHOWN HATCHED, TYP.
- ⑬ BOUNDARY OF EXTERIOR & ROOF WORK; NO NEW WORK TO CONTACT, ATTACH, OR OTHERWISE ALTER THE HISTORICAL BRICK FACADES OR SIGNAGE, TYP.
- ⑭ LITS, MODEL BEL 10.100 RECESSED OUTDOOR FLOOR LUMINAIRE, 0.6W LED WITH FROSTED PRESSED GLASS AND STAINLESS STEEL OUTER FLANGE.



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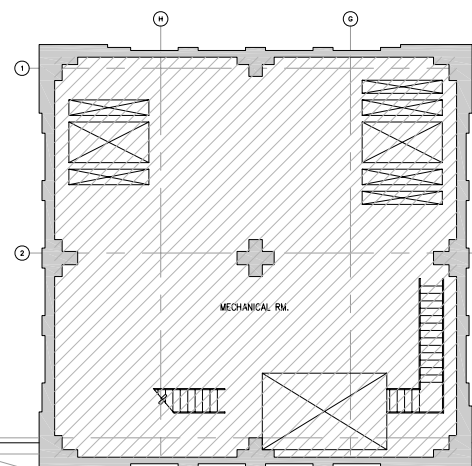
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Drawing Description:  
**PROPOSED PLAN - 7th FLOOR PENTHOUSE**

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 Sheet Number: \_\_\_\_\_

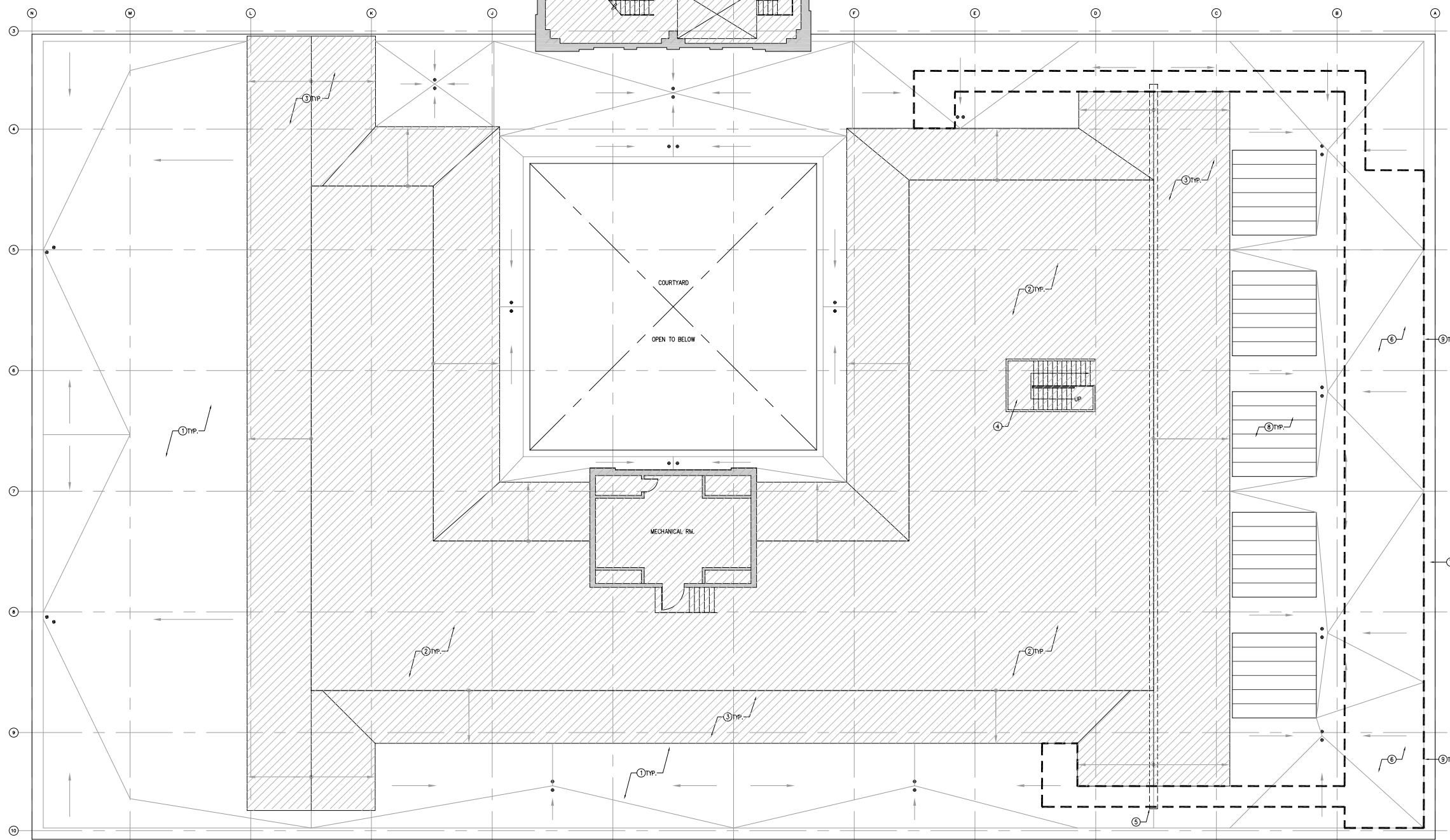


HATCHED AREA NOT IN SCOPE



ROOF PLAN KEY NOTES:

- ① (E) 7th FLOOR ROOF AREA; DRAINAGE IN DIRECTION OF ARROWS. NO CHANGES, TYP.
- ② (E) PENTHOUSE ROOF AREA; NO CHANGES, TYP.
- ③ (E) CLAY TILE ROOF; NO CHANGES, TYP.
- ④ (E) PENTHOUSE ROOF ACCESS VIA EXTERIOR STAIR FROM 7th FLOOR; NO CHANGES, TYP.
- ⑤ (E) HISTORICAL 'HILLS BROS. COFFEE' SIGN ALONG PENTHOUSE RIDGE; NO CHANGES, TYP.
- ⑥ DASHED BOUNDARY OUTLINES PROPOSED LOCATION OF (N) ROOF DECK; PREP 7th FLOOR ROOF SURFACE FOR (N) PEDESTAL STANDS. REPAIR & REPLACE WATER BARRIER AS REQ'D, TYP.
- ⑦ (E) PARAPET WALL & TOP CAP TO REMAIN; NO CHANGES, TYP.
- ⑧ (E) SKYLIGHTS TO REMAIN; NO CHANGES, TYP.
- ⑨ BOUNDARY OF EXTERIOR & ROOF WORK; NO NEW WORK TO CONTACT, ATTACH, OR OTHERWISE ALTER THE HISTORICAL BRICK FACADES OR SIGNAGE, TYP.



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Electrical Consultant:  
 Randall Lamb Associates, Inc.  
 208 Utah Street  
 San Francisco, California, 94103

Structural Consultant:  
 Murphy, Burr, Curry, Inc.  
 85 Second Street, Suite 501  
 San Francisco, California, 94105

Consultant:  
 Fee Munson Ebert Architecture + Design  
 500 Montgomery Street  
 San Francisco, California, 94111

Rev.	Issue	Date
—	CERT. OF APPROPRIATENESS	04.28.2011

Seal:

Scale:  
 1/8" = 1'-0"



Drawing Description:

**ROOF PLAN - 7th FLOOR  
 PENTHOUSE**

Drawn By: \_\_\_\_\_ Checked By: \_\_\_\_\_  
 Sheet Number: \_\_\_\_\_

ROOF PLAN - 7th FLOOR PENTHOUSE  
 Scale: 1/8" = 1'-0"

COA-004

Architects:  
 MKTHINK  
 Roundhouse One, 1500 Sansome Street  
 San Francisco, CA 94111  
 p 415 402 0886  
 f 415 286 5383  
 mkthink.com

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Project:  
 Mozilla - San Francisco TI  
 2 Harrison Street, 7th Floor  
 San Francisco, California, 94105

Project Number:  
 355-111

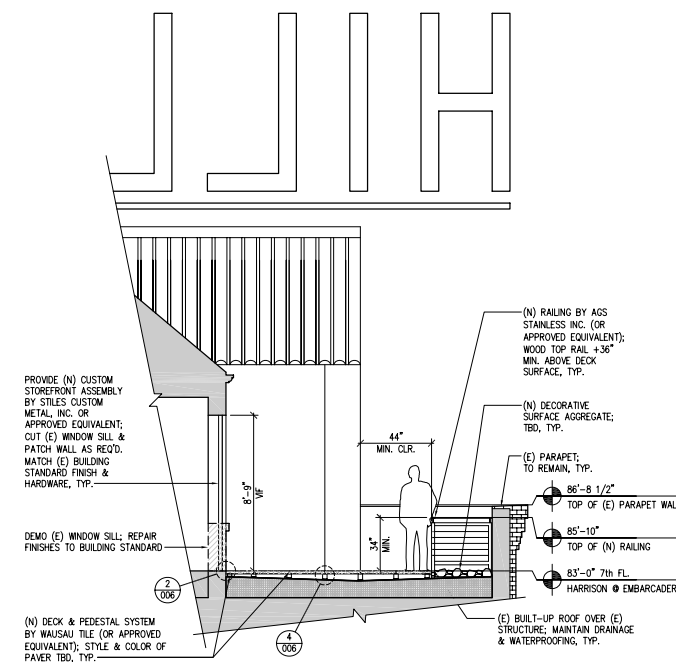


Tenants:  
 The Mozilla Corporation  
 650 Castro Street, Suite 300  
 Mountain View, California, 94041

Electrical Consultant:  
 Randall Lamb Associates, Inc.  
 208 Utah Street  
 San Francisco, California, 94103

Structural Consultant:  
 Murphy, Burr, Curry, Inc.  
 85 Second Street, Suite 501  
 San Francisco, California, 94105

Consultant:  
 Fee Munson Ebert Architecture + Design  
 500 Montgomery Street  
 San Francisco, California, 94111

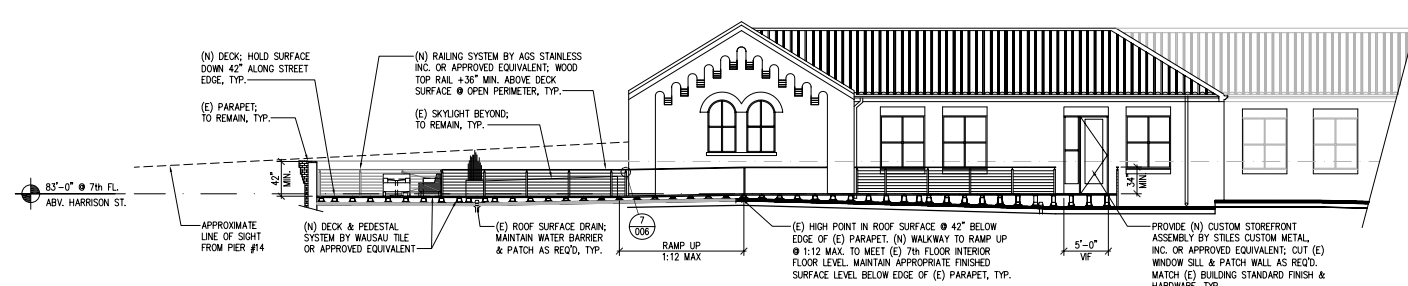


PARTIAL SECTION @ (N) DOOR

Scale: 1/4" = 1'-0"

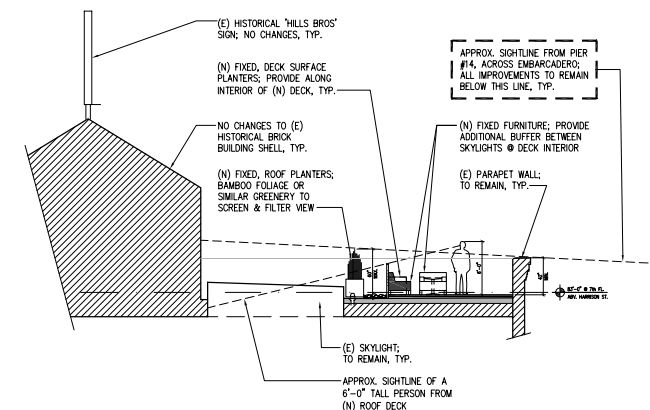
NOT USED

Scale: X" = 1'-0"



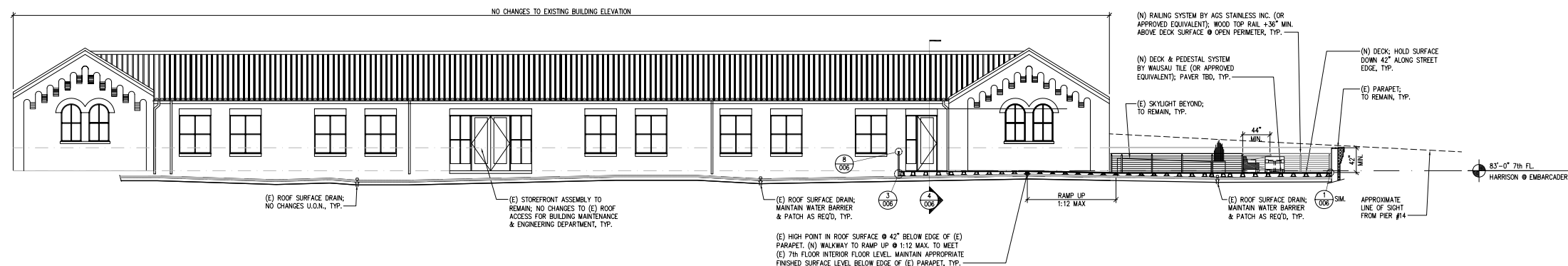
PARTIAL NW ELEVATION - (N) DECK & (N) DOOR

Scale: 1/8" = 1'-0"



PARTIAL SOUTHEAST SECTION CUT

Scale: 1/8" = 1'-0"



SE ELEVATION - (N) DECK & (N) DOOR

Scale: 1/8" = 1'-0"

Rev.	Issue	Date
—	CERT. OF APPROPRIATENESS	04.28.2011

Seat:

Scale:

AS NOTED

Drawing Description:

**BUILDING ELEVATION & PARTIAL SECTION CUT**

Drawn By: \_\_\_\_\_ Checked By: \_\_\_\_\_

Sheet Number:

**COA-005**

5

4

3

2

1

Rev.	Issue	Date
—	CERT. OF APPROPRIATENESS	04.28.2011

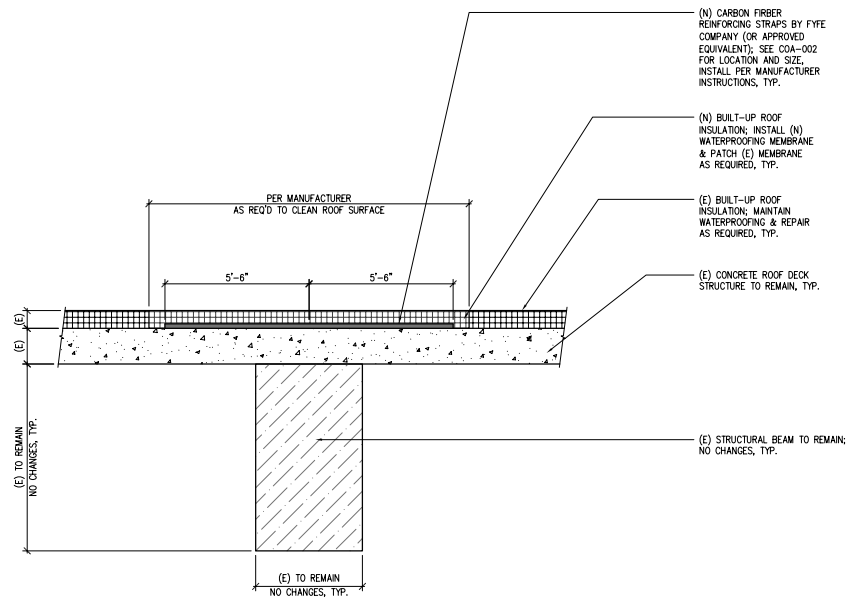
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AS NOTED

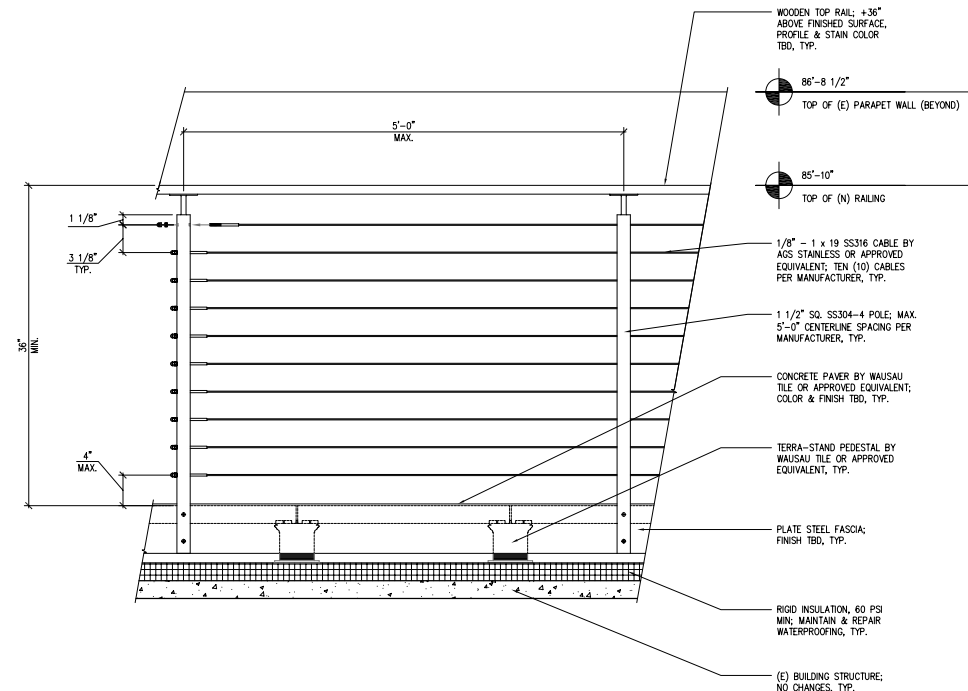
Drawing Description:

DECK & RAILING DETAILS

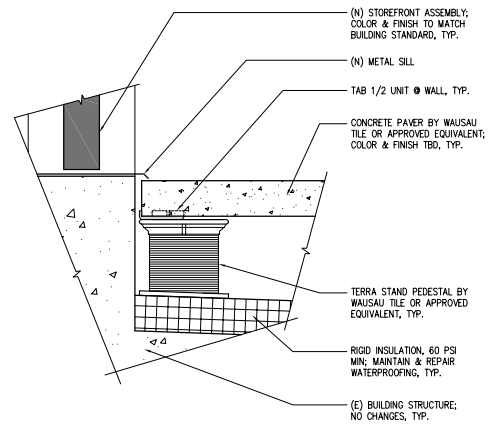
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Sheet Number:



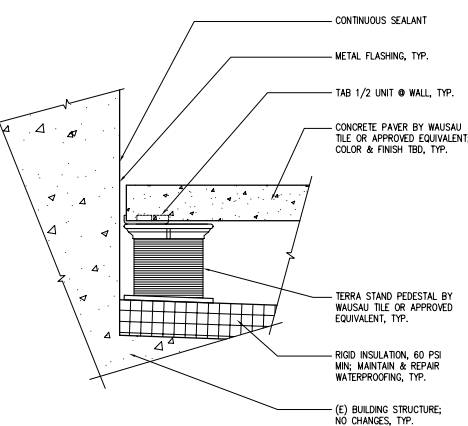
CARBON FIBER REINFORCING STRAPS  
Scale: 1 1/2" = 1'-0"



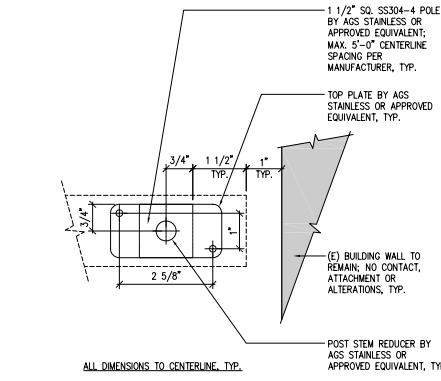
TYPICAL RAILING SEGMENT  
Scale: 1 1/2" = 1'-0"



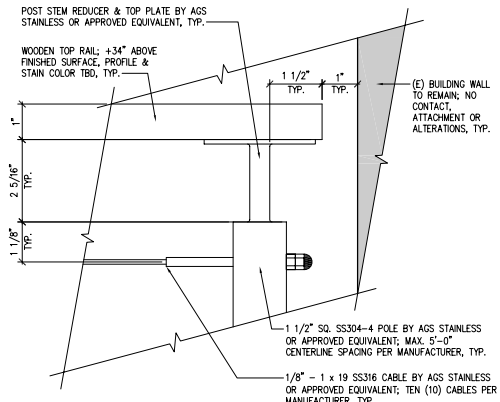
TERRA STAND PEDESTAL @ (N) DOOR  
Scale: 3" = 1'-0"



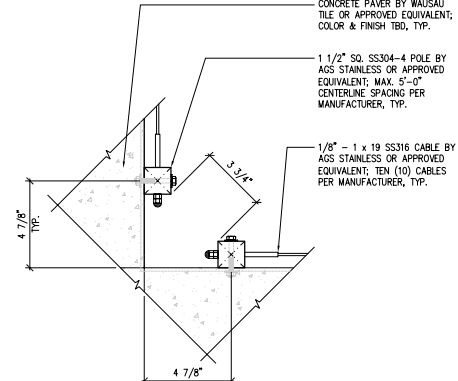
TERRA STAND PEDESTAL @ (E) BUILDING  
Scale: 3" = 1'-0"



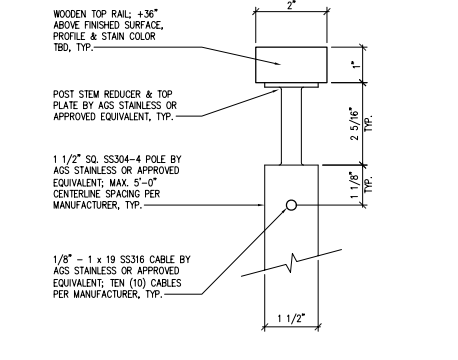
TYPICAL TOP RAIL BRACKET  
Scale: 6" = 1'-0"



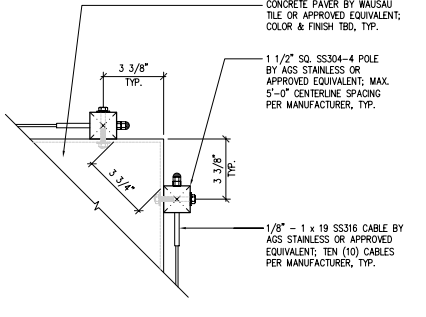
TYPICAL WOODEN TOP RAIL - ELEVATION  
Scale: 6" = 1'-0"



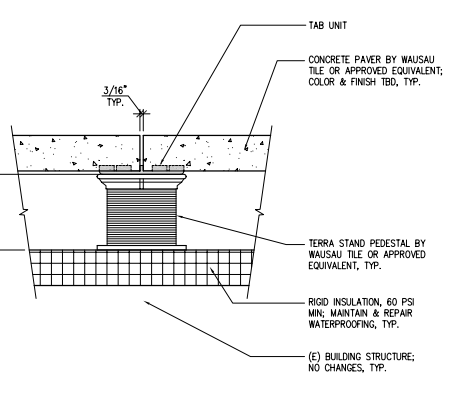
TYPICAL DECK CORNER - INTERIOR  
Scale: 3" = 1'-0"



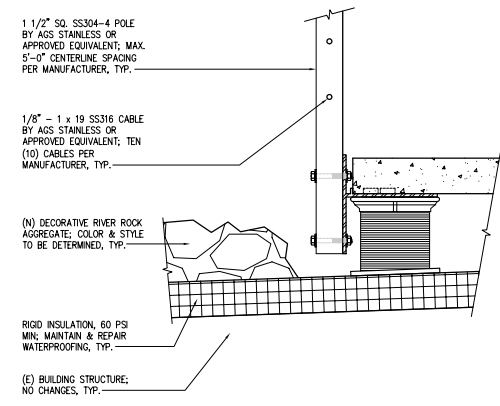
TYPICAL WOODEN TOP RAIL - SECTION  
Scale: 6" = 1'-0"



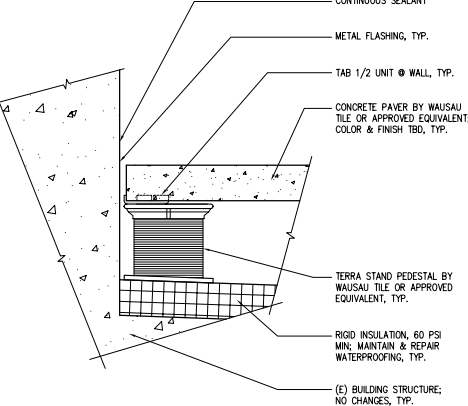
TYPICAL DECK CORNER - EXTERIOR  
Scale: 3" = 1'-0"



TERRA STAND PEDESTAL & WAUSAU PAVER, TYP.  
Scale: 3" = 1'-0"



TERRA STAND PEDESTAL @ DECK EDGE  
Scale: 3" = 1'-0"



TERRA STAND PEDESTAL @ (E) BUILDING  
Scale: 3" = 1'-0"