



"Lever House spawned a host of imitators but has been rarely equalled. It remains outstanding for its spatial clarity, scale, and beauty of form."

Designation and Analysis, Landmarks Preservation Commission, November 9, 1982

Photo © Ezra Stoller / ESTO





"[Lever House] also introduced the concept of opening a portion of the ground floor to public use and of providing an open courtyard at its base."

Designation and Analysis,

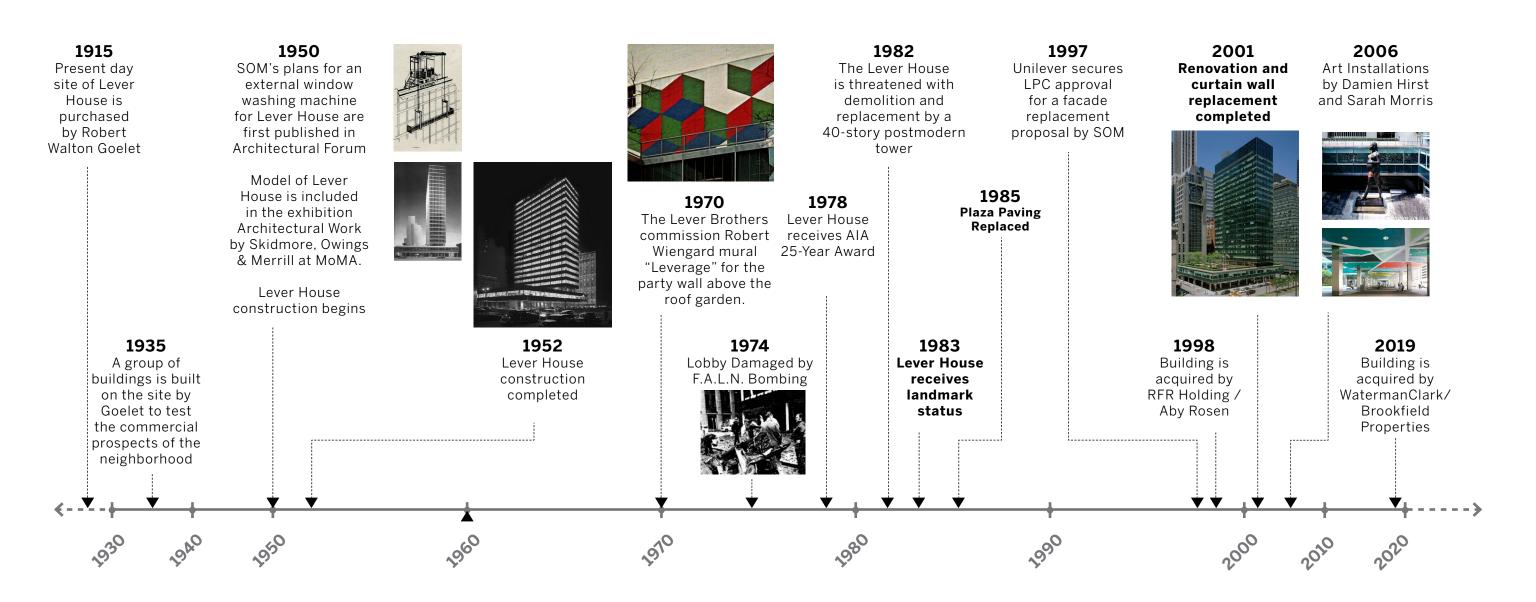
Landmarks Preservation Commission, November 9, 1982



"The building's curtain wall, its technical excellence, and its material presence instantly became the touchstone for modernism and American business."

Nicholas Adams, Gordon Bunshaft and SOM: Building Corporate Modernism, 2019

Photo © Ezra Stoller / ESTO 5



Timeline













Project Scope

Ground Floor - Alteration

- 1. Replace Non-Original Plaza Paving
- 2. Replace Non-Original Plaza Bases
- 3. Black Limestone Wall Openings
- 4. New Signage

Restoration

- 1. Stone Restoration
- 2. Metal Restoration
- 3. Ceiling Restoration

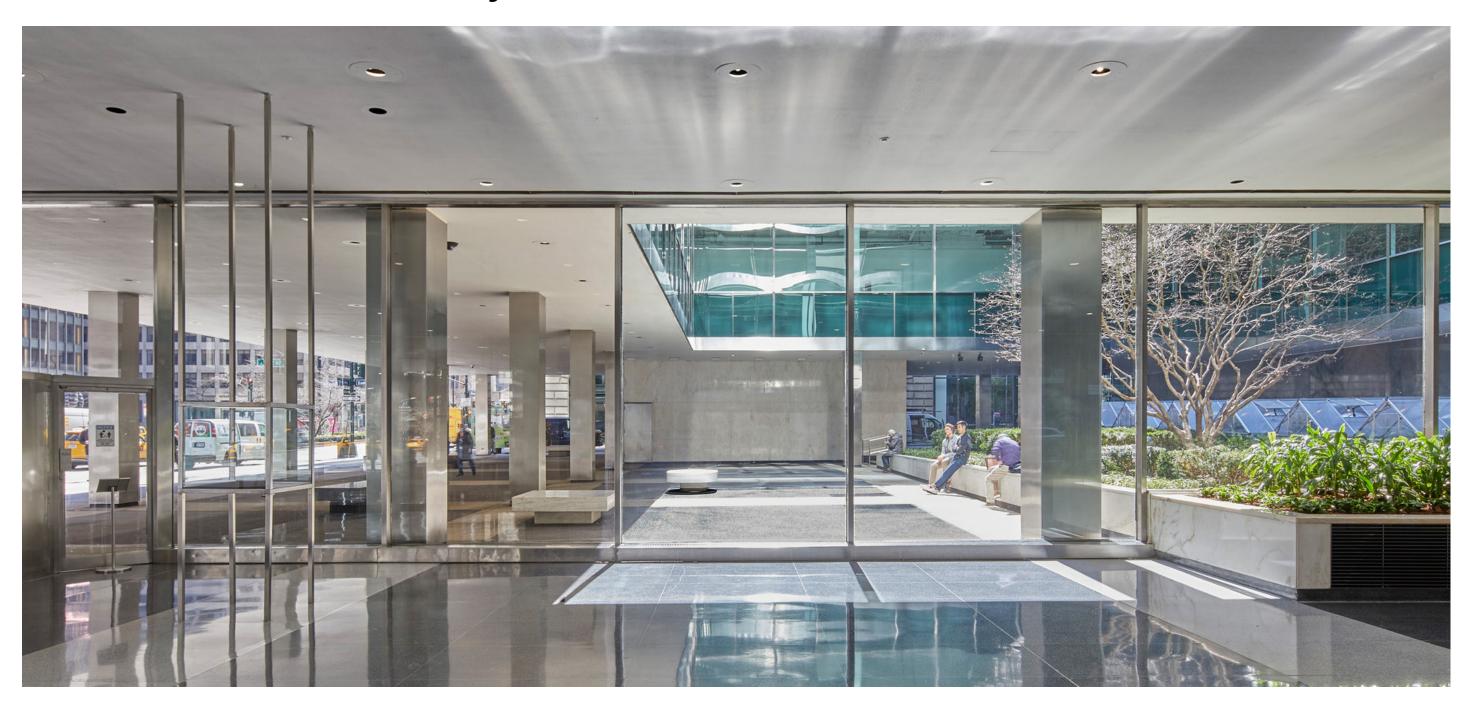
Level 3 Terrace - Alteration

- 1. Non-Original Paving Replacement
- 2. Aluminum Panel Storefront Replacement
- 3. Non-Original Glass Storefront Alteration

Ground Floor



Interior - Exterior Continuity

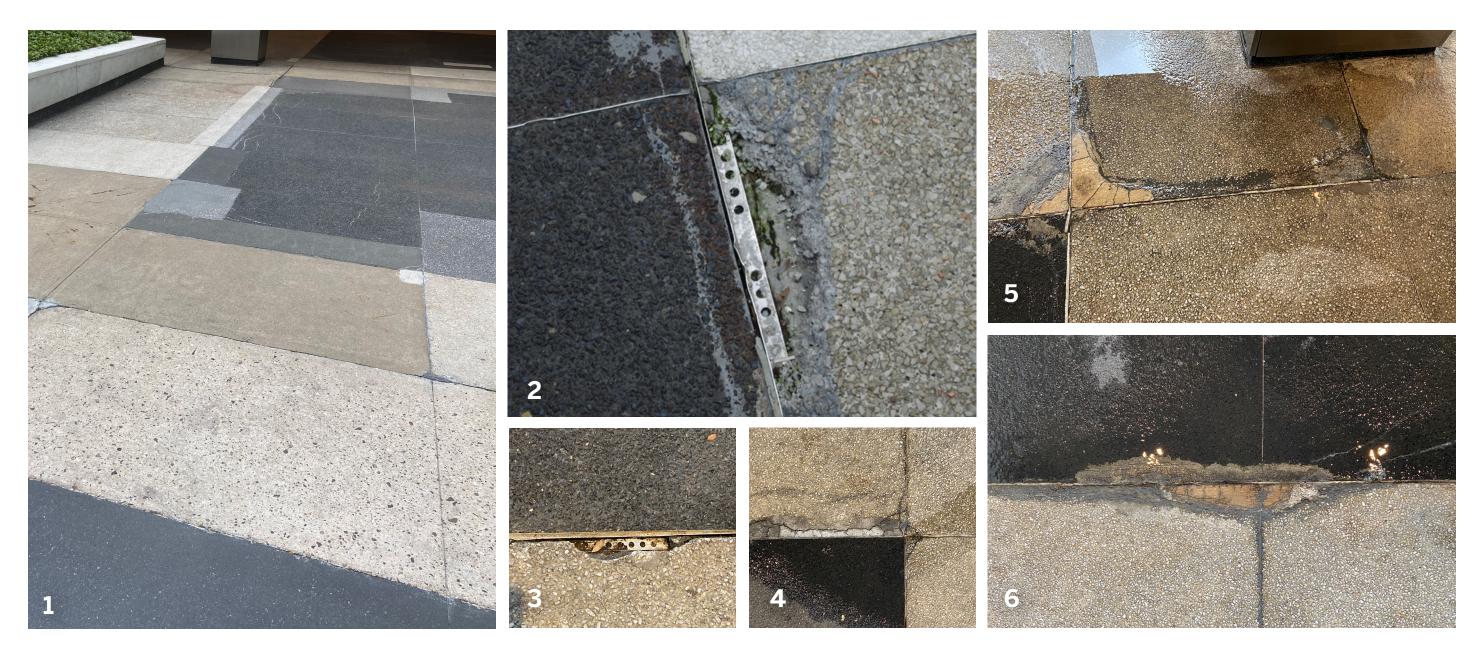




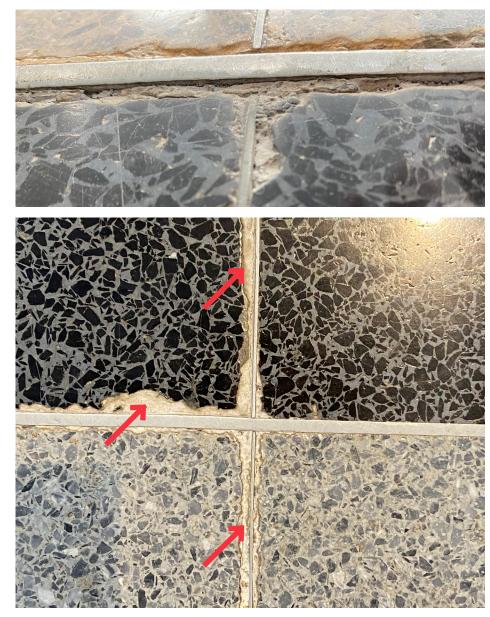


Existing Condition

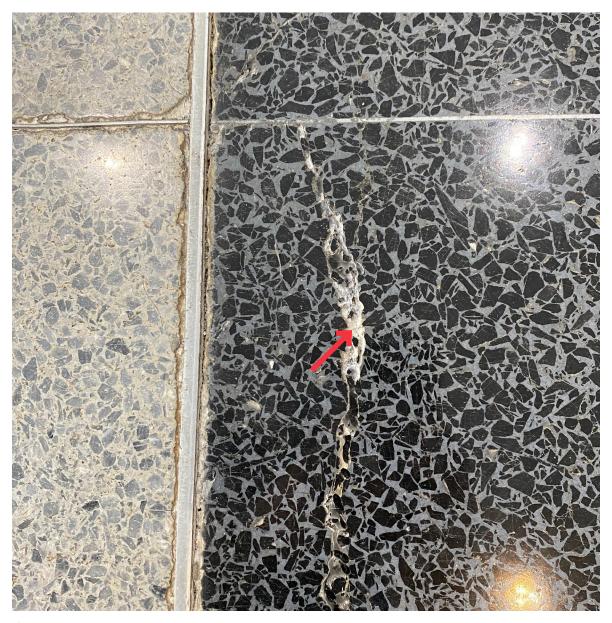
Non-Original Paving (Installed 1985)



Interior Terrazzo



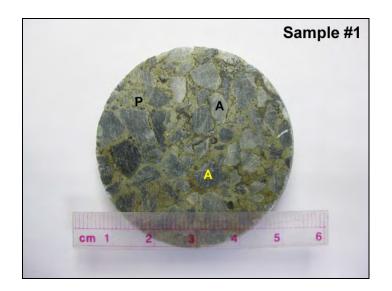
Material Loss at Metal Joints

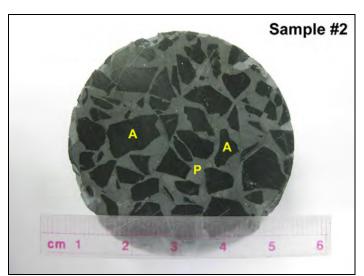


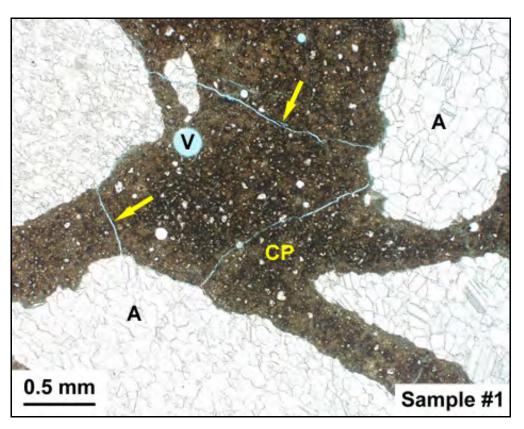
Cracking within Panels

Plaza Paving Aggregate Matching

Terrazzo Petrography Report







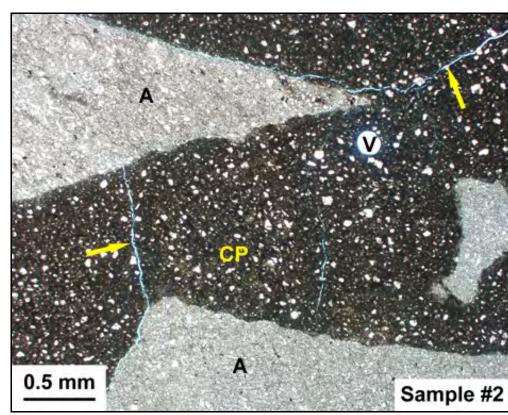


Figure 4: PPL photomicrographs illustrating the microtexture of the terrazzo mixtures. The aggregate (A) is well-spaced. Note that there is no sand within the hydrated cement paste (CP). The paste is uniform and dense. Air-voids are uncommon (V). The arrows indicate drying shrinkage microcracks that are found throughout the full depth of each terrazzo layer.

Plaza Paving Specification

Original Specification Cementitious Terrazzo

MATERIALS:

Gray Cement shall be standard or Portland cement of the A 3.7.%. Standard specification C-150, latest edition.

White Cement shall be Atlas Waterproof White Portland cement or approved equal.

Sand shall be clean, snarp and washed.

Water shall be clean and fresh, suitable for drinking.

Marble Chips shall be sound, hard, dense marble, selected and mixed in the proportions hereinafter noted. No. 1 chips shall pass a No. 3 screen and be retained on a No. 10 screen. No. 2 chips shall pass a No. 2 screen and be retained on a No. 6 screen.

NON-SLIP AGGREGATE:

where called for as an alternate for cement, shall be an exide aluminous abrasive in crystalline formation ceramically bonded and vitrified, and shall be of color to match color of marole chips as nearly as possible. It shall be equal to Alumdum Terrazzo Aggregate as made by Norton Company, Norcester, hass.

Proposed Specification Cast in Place Concrete with Hand Seeded Aggregate

Materials:

Gray Cement

With alkaline stable pigments.

Achieve 4000 psi in 25 days, Resistance to freeze/thaw cycling & salt crystallization addressed with use of air entraining & other admixtures.

White Cement

Same Specification as above

Sand

Water

Marble Chips:

Dark Aggregate: Raven Black B90

Light Aggregate: 50% Blue Bardiglio G70, 50% Dark Bardiglio G75

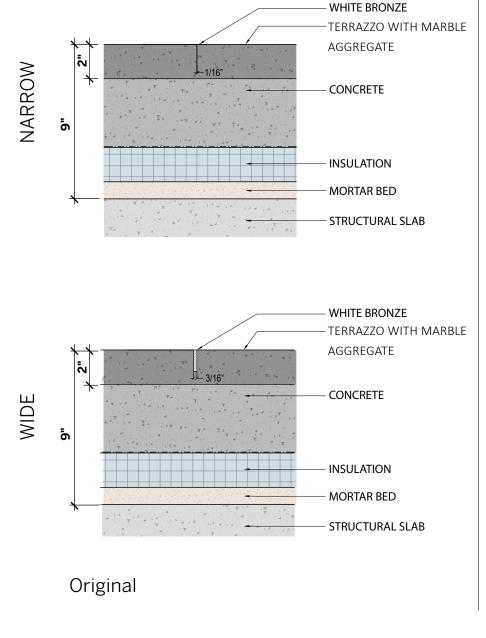
Finishing:

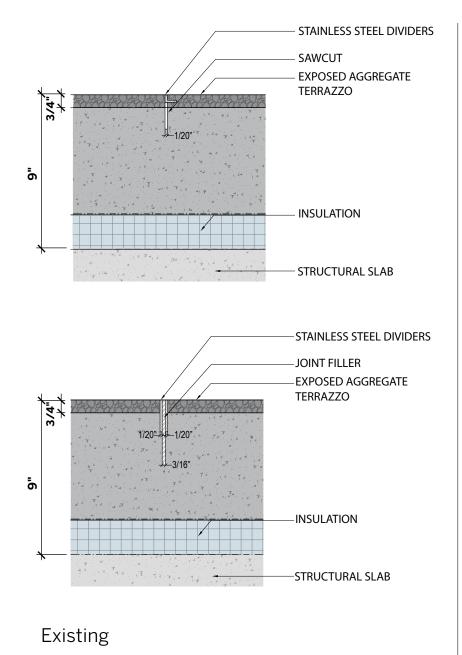
Surfaces are ground wet, with 40 Grit abrasive pad to grind and 80 Grit diamond abrasive pad to hone.

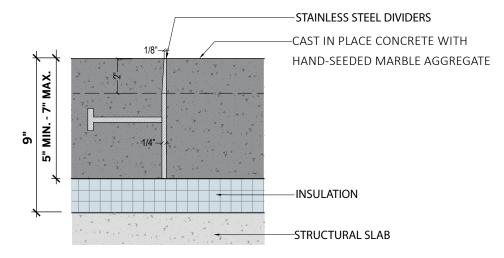
Surfaces are sealed with Concrete deck sealer with integral abrasive applied to surface after concrete finish has cured.

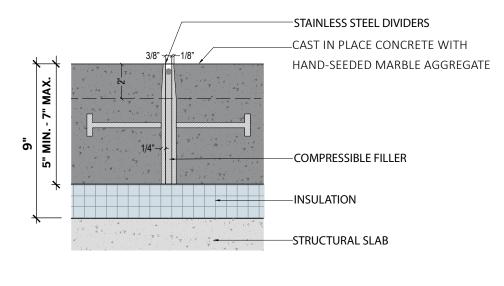
Replace Plaza Paving

Paving Details





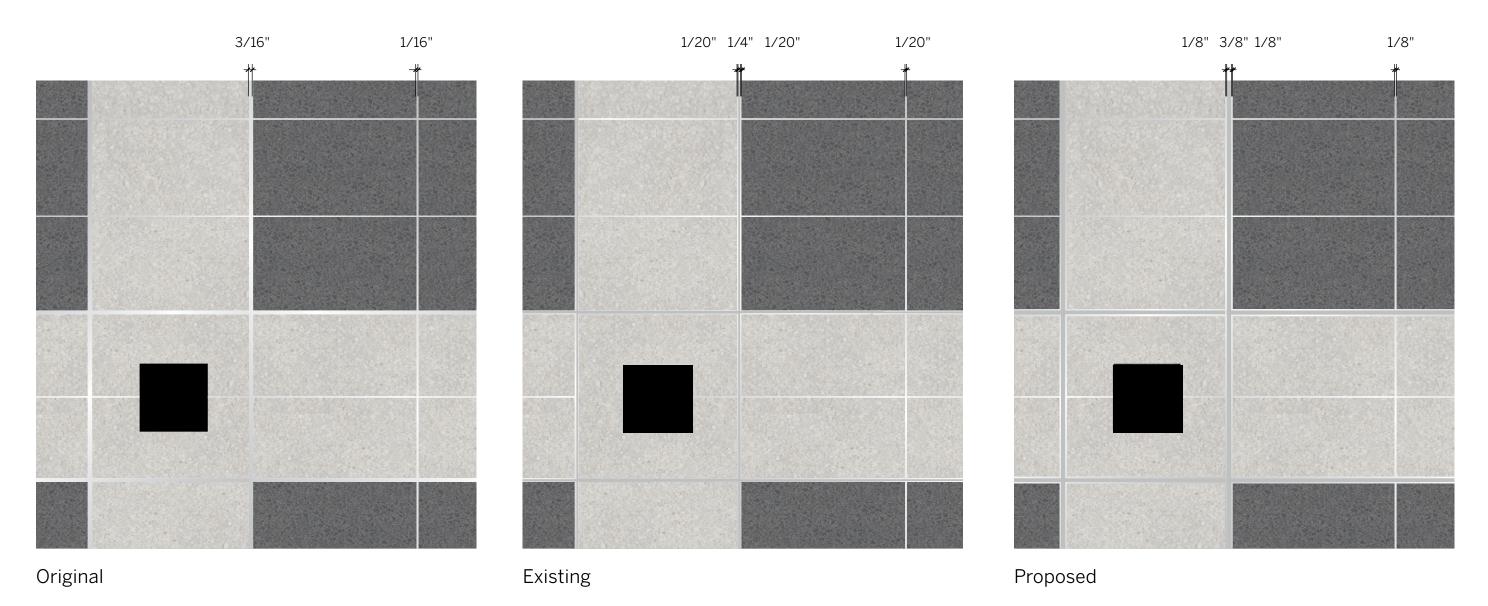




Proposed

Proposed Plaza Paving

Divider Strips



Proposed Plaza Paving

Cast-in-place Concrete with Hand-Seeded Aggregate



Light Sample

Dark Sample



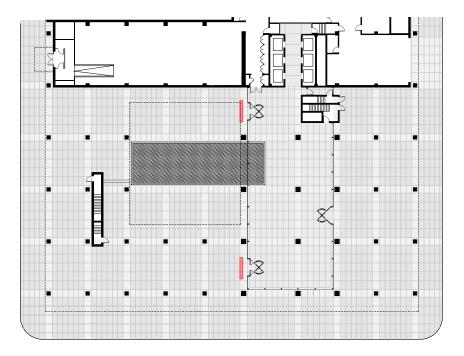
Proposed Concrete Terrazzo Pavement with Decorative Aggregate on Existing Lobby Terrazzo Floor

Original Sheen

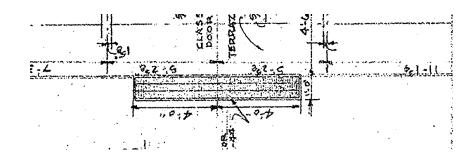


Plaza Drains

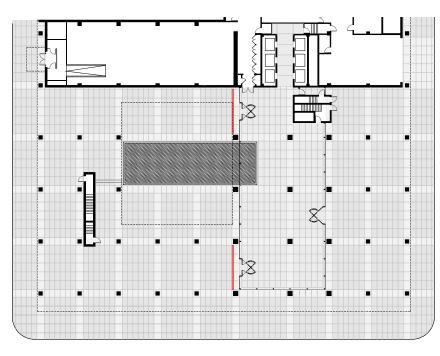
Plans



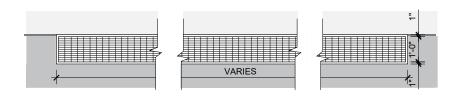
Original Drain Locations



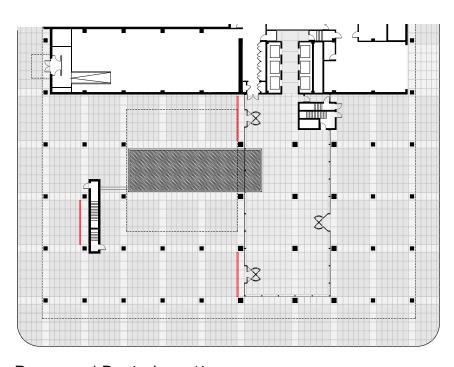
Original Drain Plan



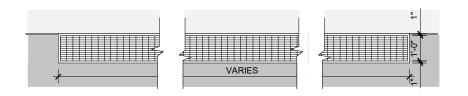
Existing Drain Locations



Existing Drain Plan



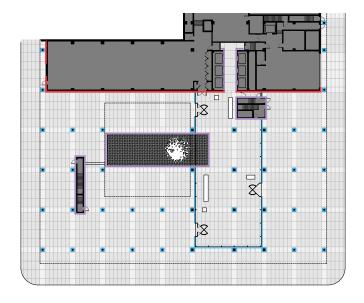
Proposed Drain Locations



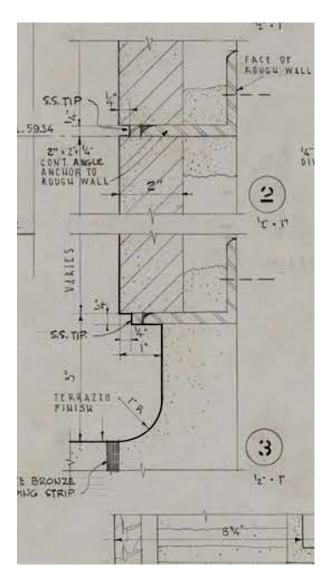
Proposed Drain Plan

Plaza Base

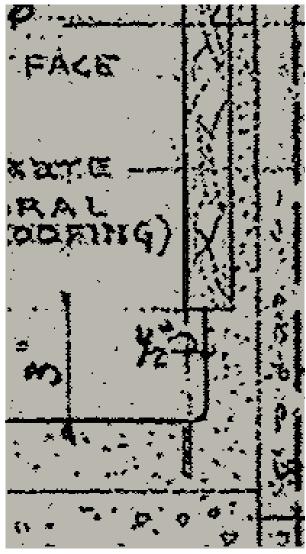
Original Details



- **1** At Black Limestone
- **2** At White Marble
- 3 At Stainless Steel/Storefront



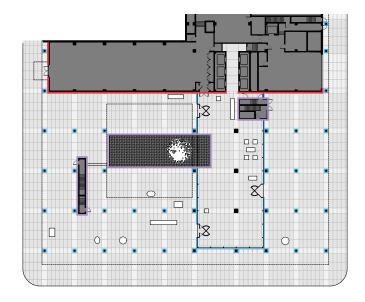
1 Black Limestone



2 White Marble (Planter Shown)

Plaza Base

Existing Non-Original Bases



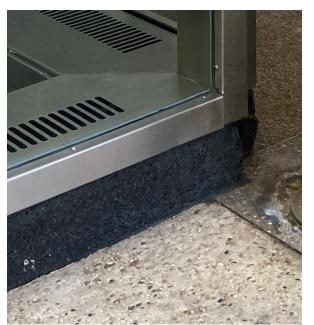
- 1 At Black Limestone
- **2** At White Marble
- **3** At Stainless Steel/Storefront





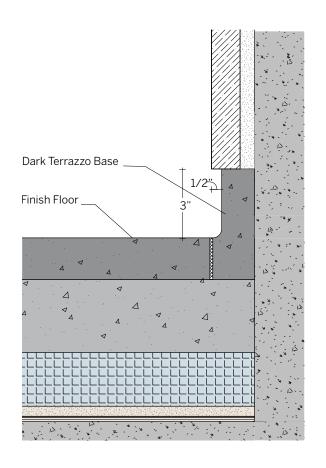




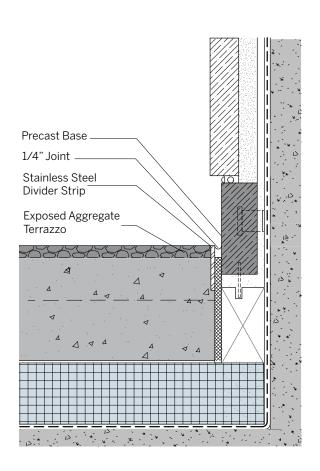


Plaza Base

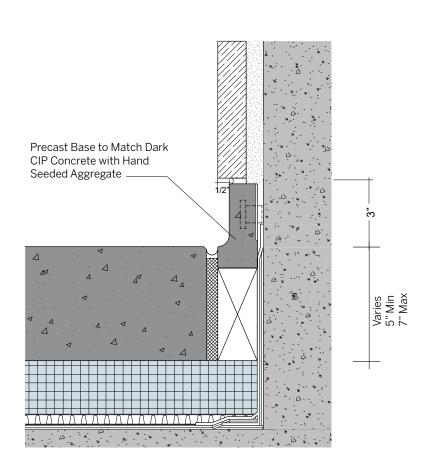
Base Condition



Original Base Detail

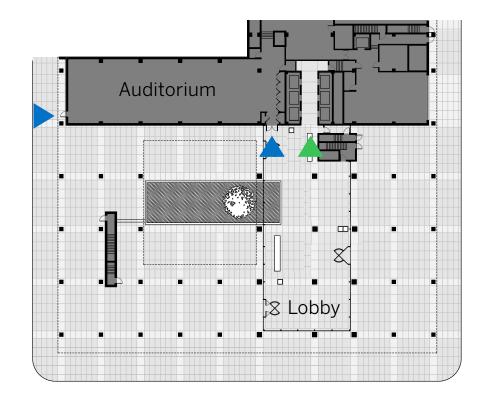


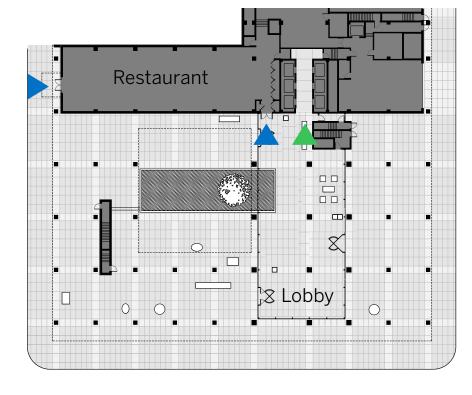
Existing Base Detail

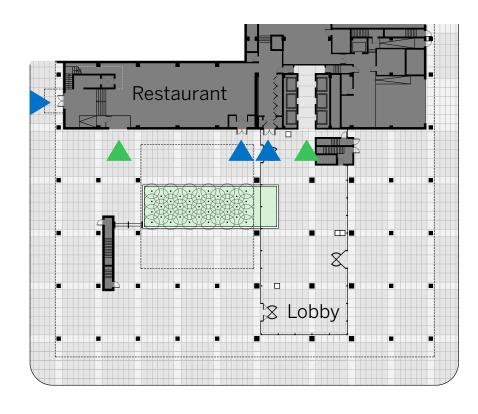


Proposed Base Detail









Original

Existing

Proposed

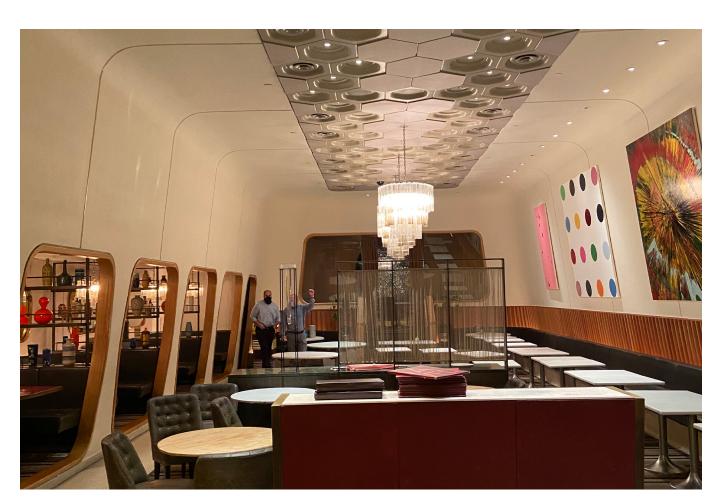
Stainless Steel Doors

Opening

Program Change



Original - Display Kitchen and Auditorium



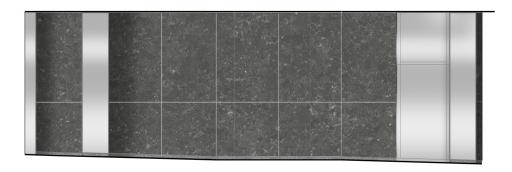
Existing - Restaurant

Previously Approved

Certificate of Appropriateness issued 5/9/2002 COFA 02-6346



Existing Photo at 53rd Street

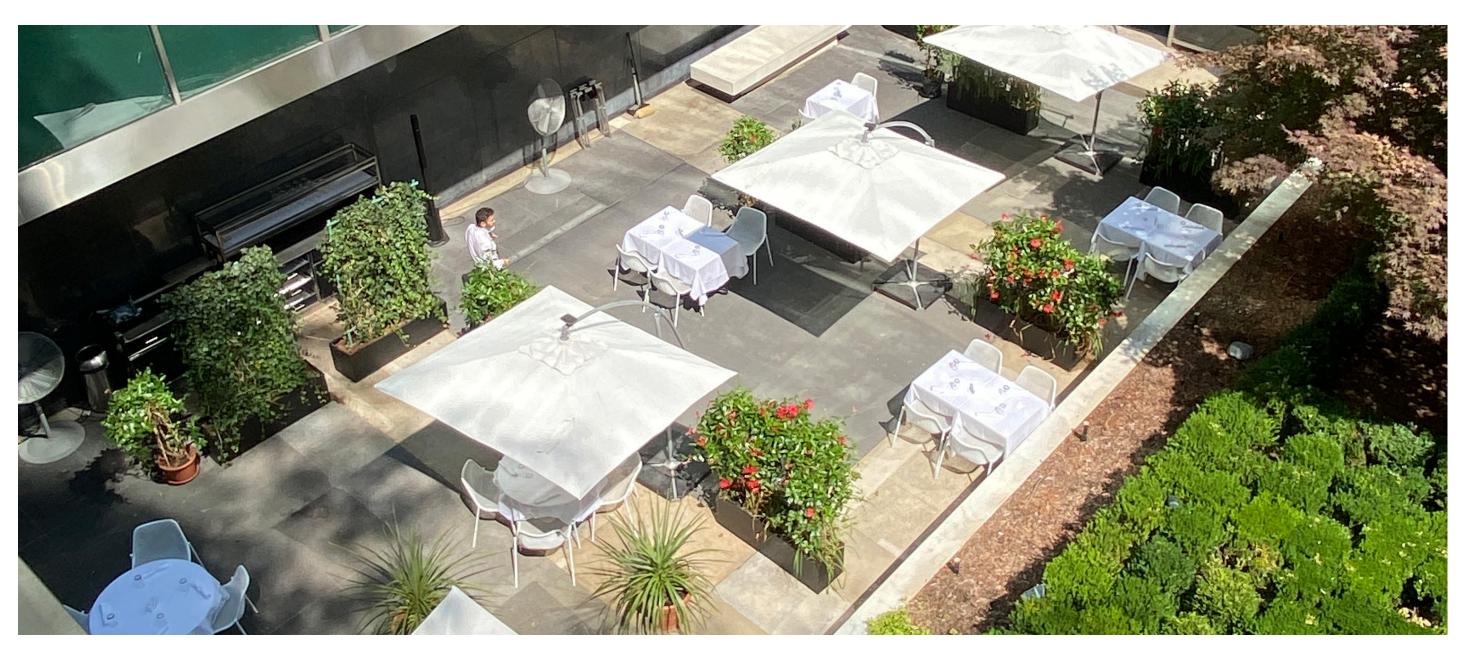


Original Elevation at 53rd Street

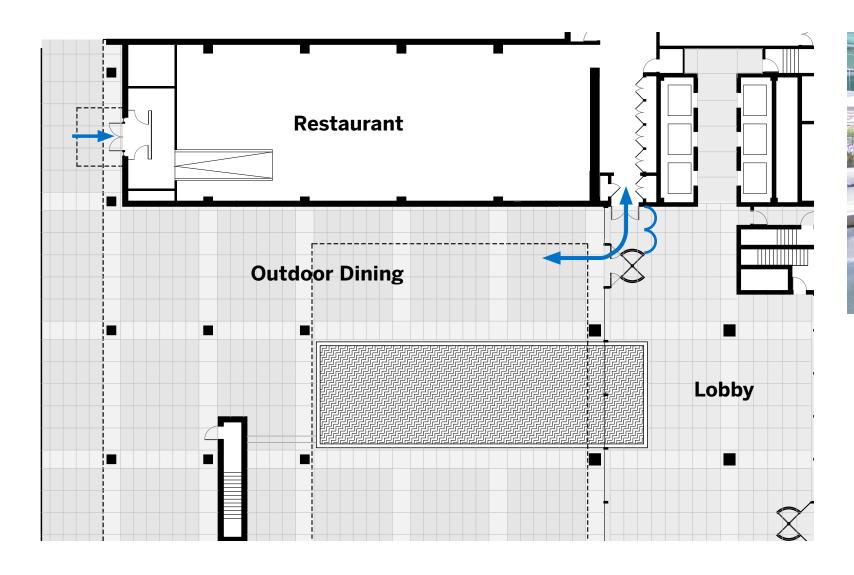


Existing Elevation at 53rd Street

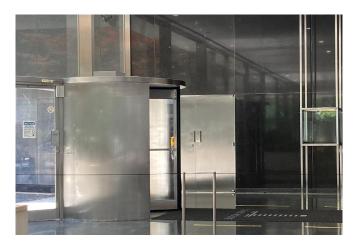
Existing Plaza Outdoor Dining



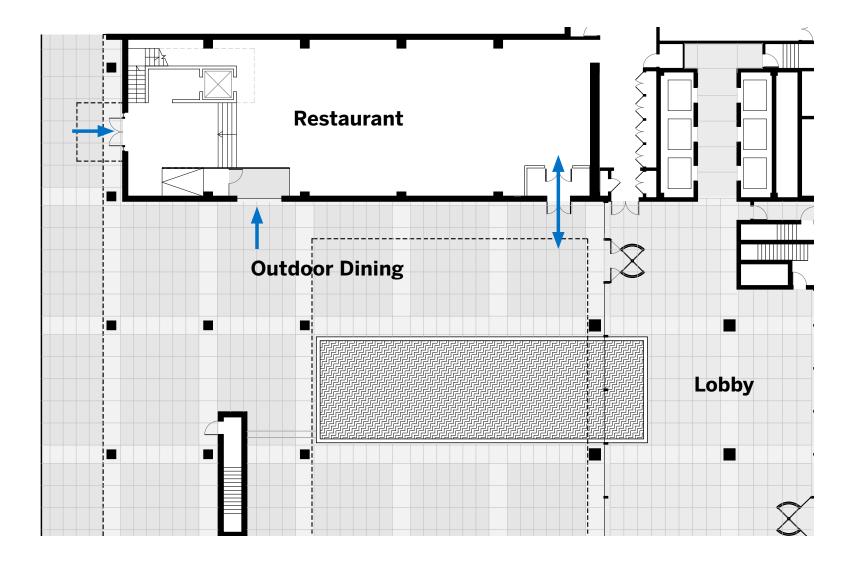
Existing Restaurant Service Path



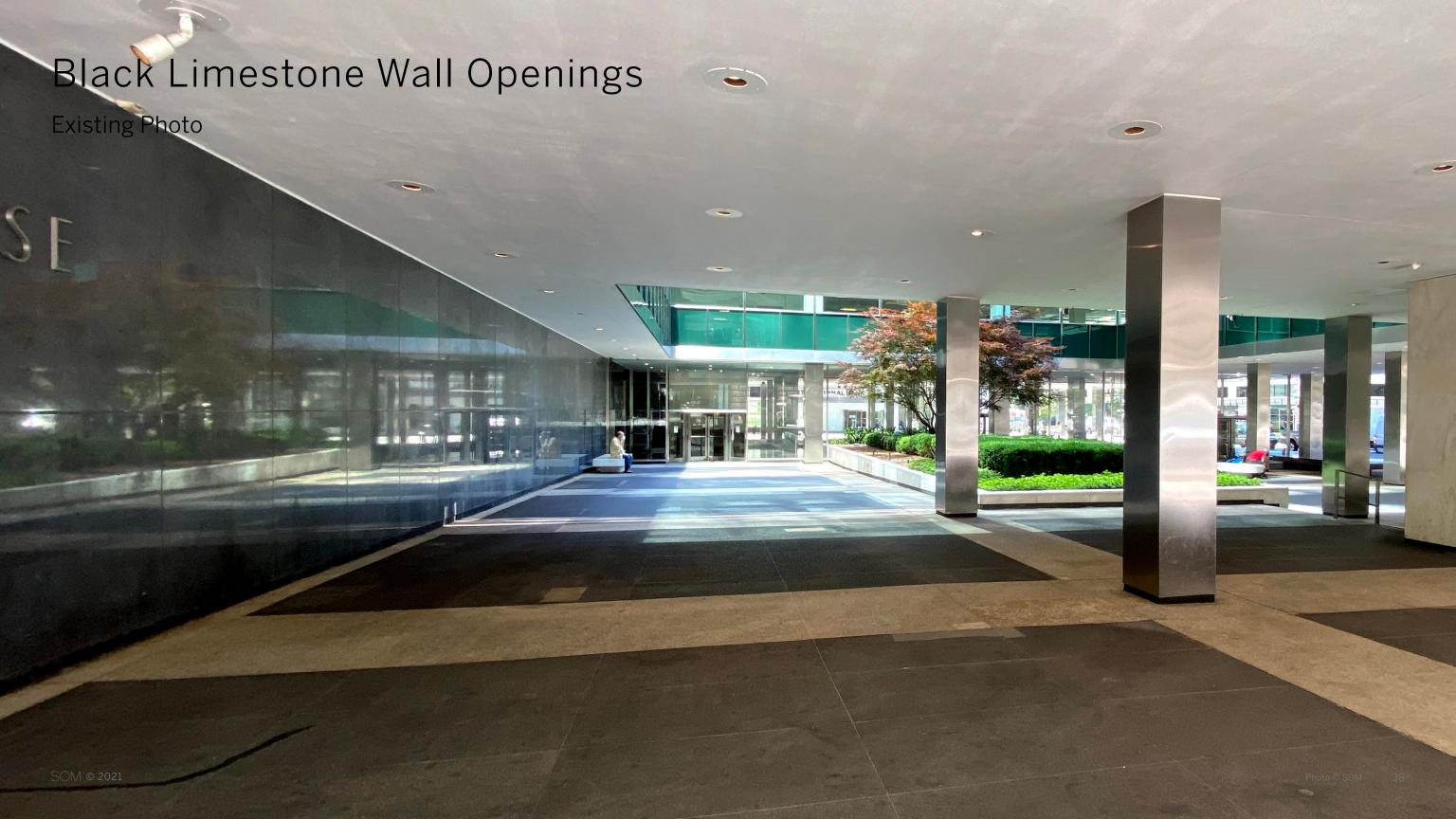




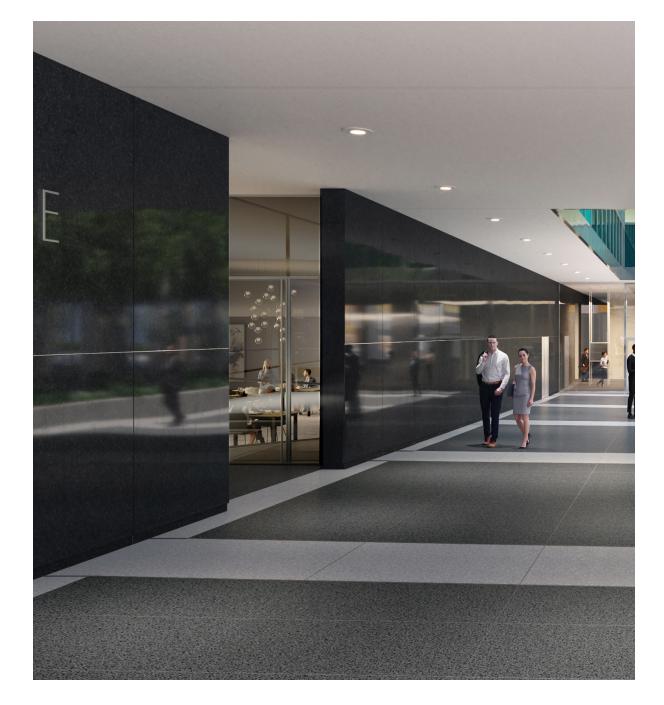
Proposed New Connection to Restaurant

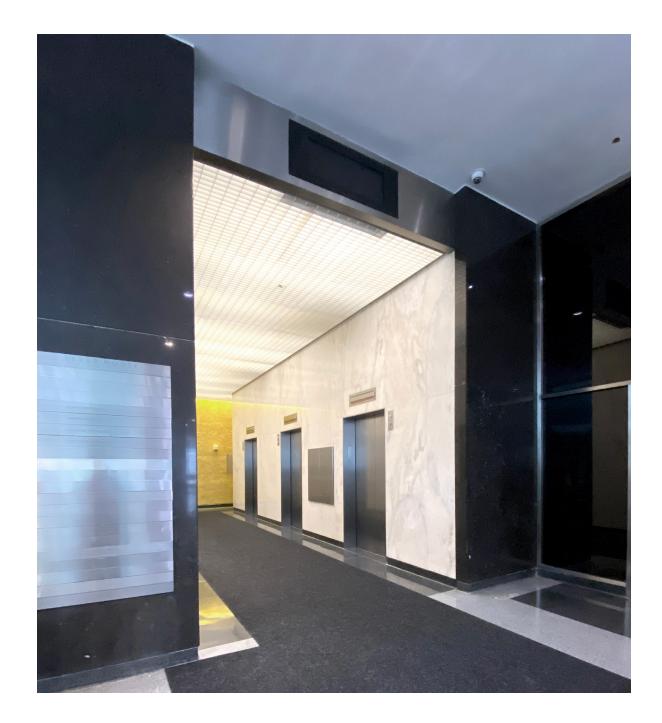




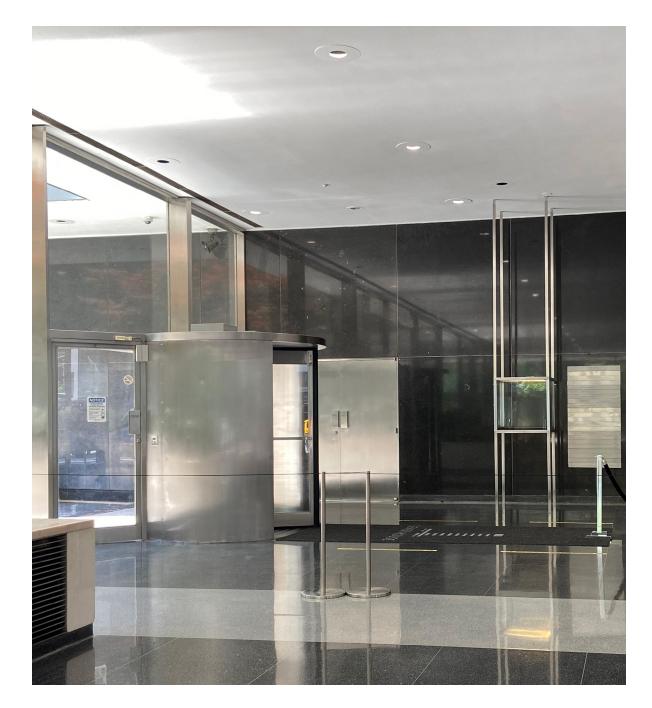






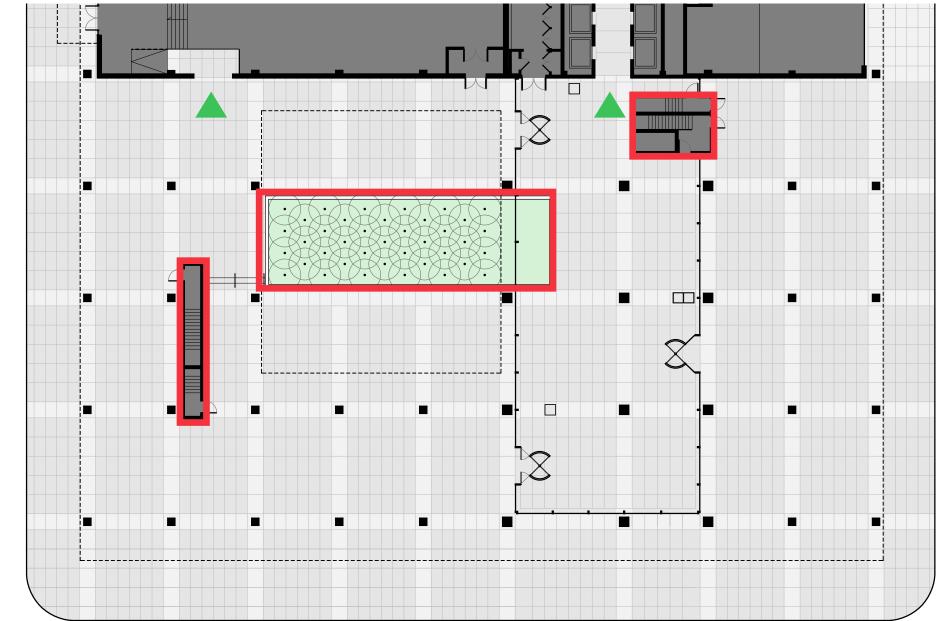






Black Limestone Wall Openings - Full Height

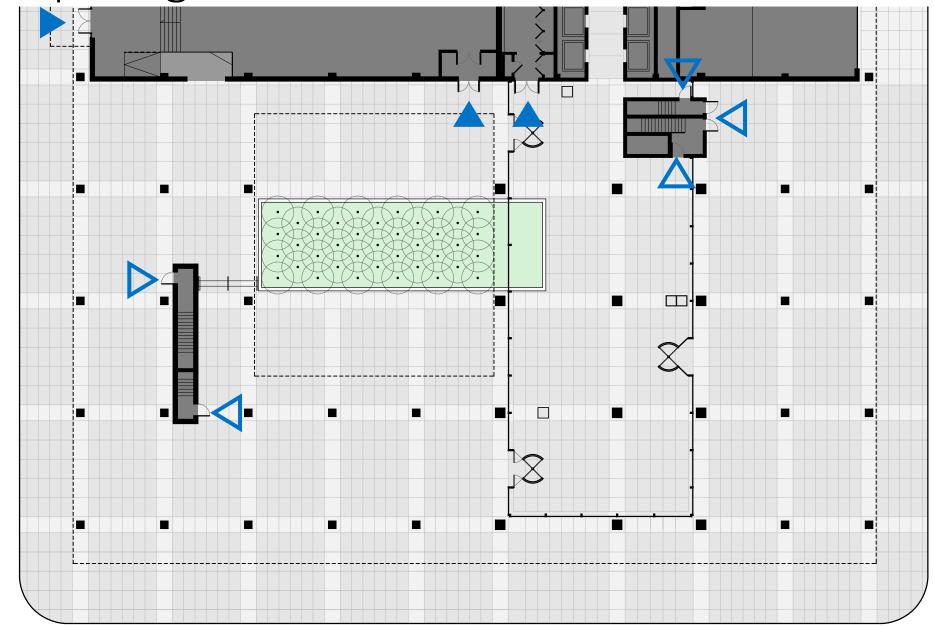
Proposed Location



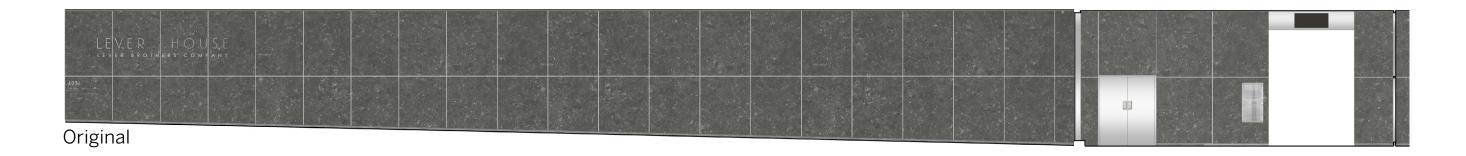
- Stainless Steel Doors at Black Limestone
- > Stainless Steel Doors at White Marble
- Opening

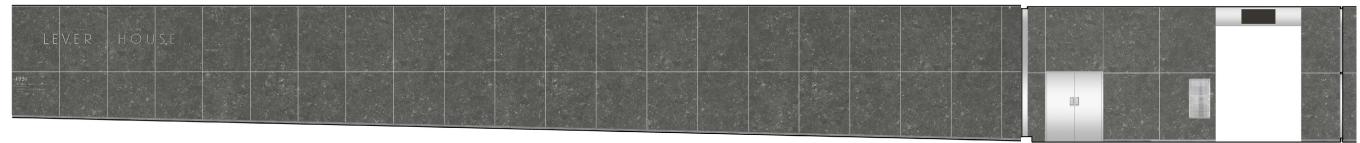
Black Limestone Wall Openings - Stainless Steel Doors

Proposed Location



- Stainless Steel Doors at Black Limestone
- > Stainless Steel Doors at White Marble
- Opening





Existing















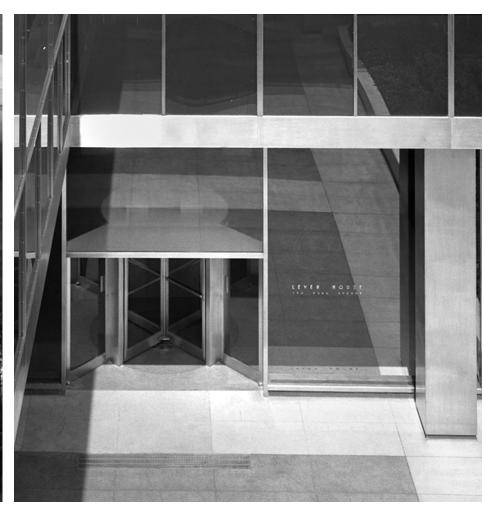
Original Signage



At Black Limestone Wall



At Park Avenue Facade



At Southwest Revolver

Existing Signage









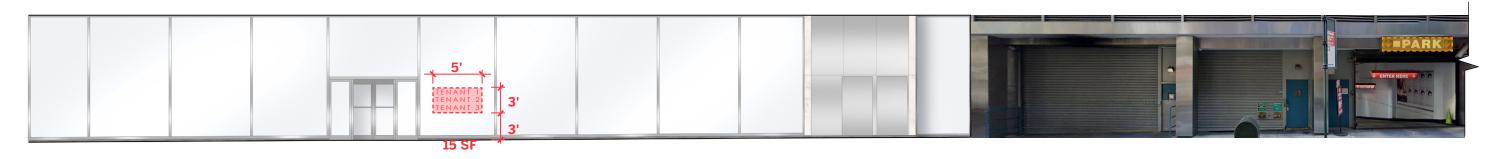
At Black Limestone Wall

At Park Avenue Facade

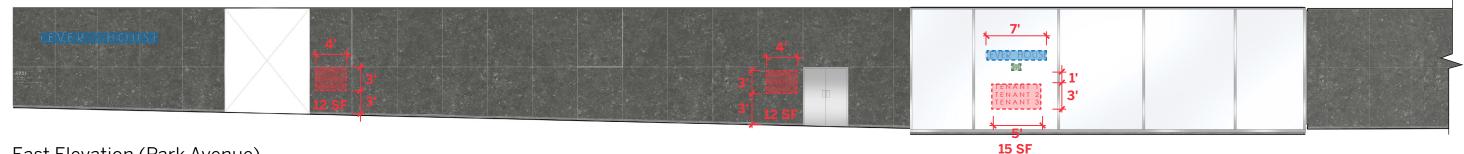
At Southeast Revolver

At Restaurant

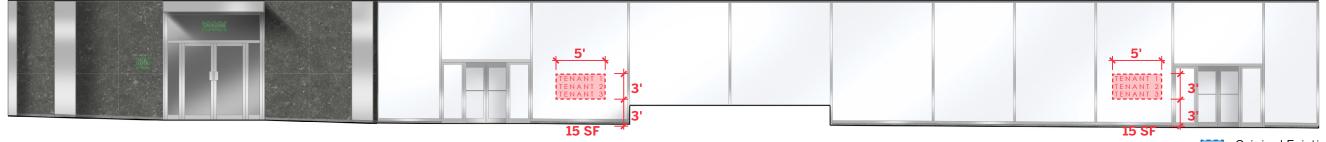
Proposed Signage



North Elevation (54th Street)



East Elevation (Park Avenue)



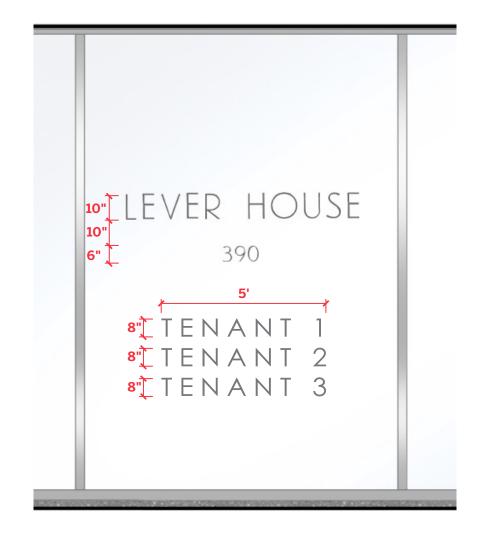
South Elevation (53rd Street)

Original Existing Signage Non Original Existing Signage

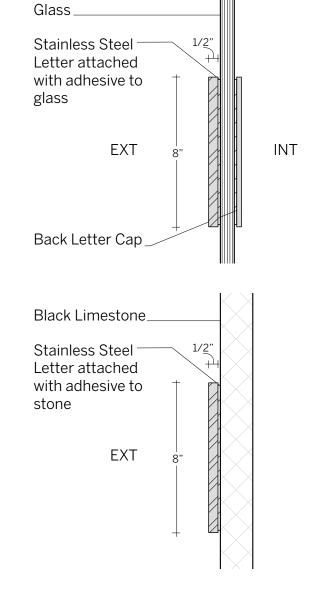
New Signage

Exisiting Signage to be Replaced

Proposed Signage







Park Avenue

Adjacent to Entrances

Mounting Details

^{*}New Signage will be Adhesive Mounted Stainless Steel Letter Forms in "Lever House" Font.

Restoration Work

Stone Restoration



Black Limestone - Existing Condition



Black Limestone - Restoration Mockup



White Marble at Stairs - Existing Condition



White Marble at Stairs - Restoration Mockup



White Marble at Planter - Existing Condition



White Marble at Planter - Replacement in Kind Imperial Danby Sample

Stainless Steel Restoration





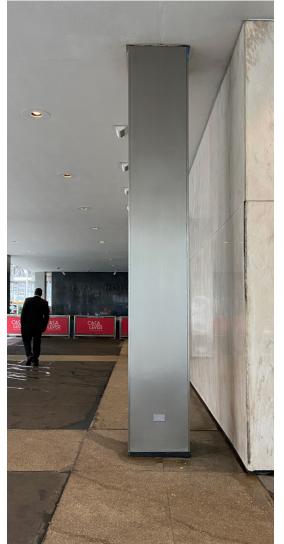
Stainless Steel Column - Existing Condition













Stainless Steel - Restoration Mockup

Plaza Ceiling Restoration

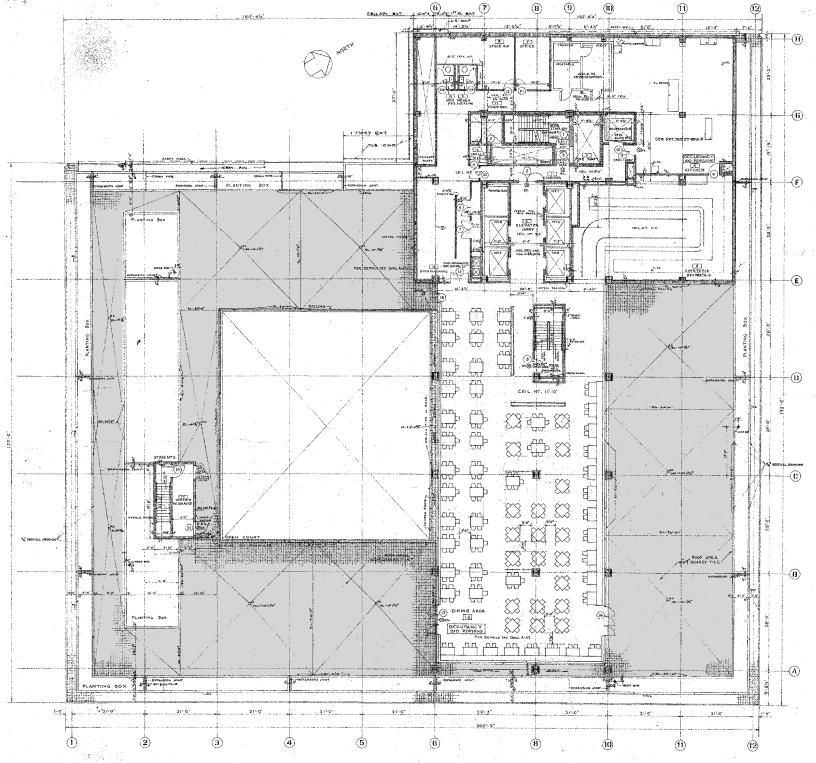


Plaza Ceiling - Existing Condition

Level 3 Terrace

Level 3 Terrace

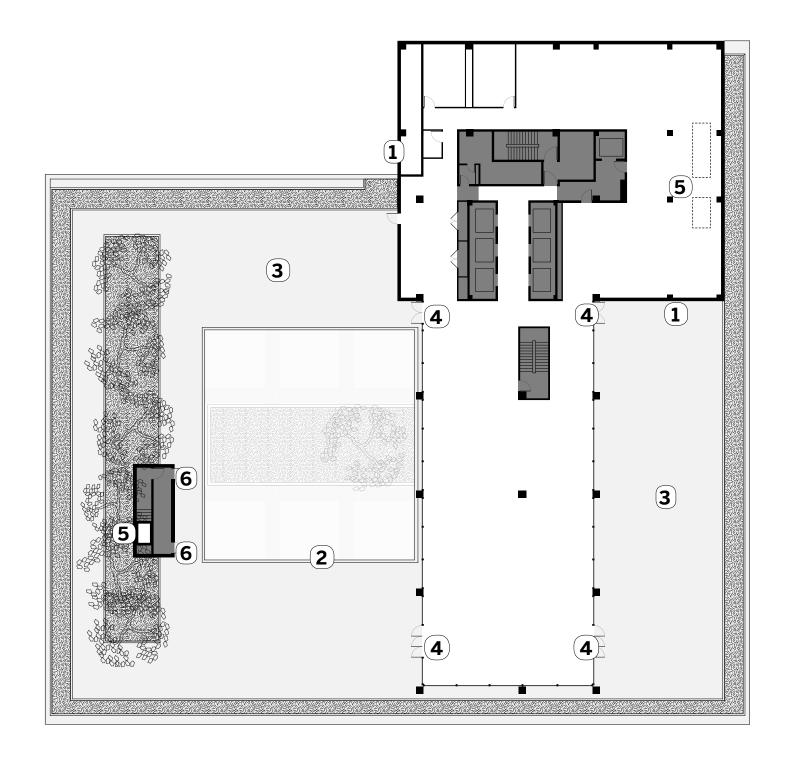
Original Plan



Level 3 Terrace

Existing Plan

- 1 Non Original Fritted Glass Facade
- 2 Non Original Glass Infill & Base Detail
- **3** Non Original Paving
- **4** Non Original Doors
- **5** Non Original Skylight
- 6 Non Original Exit Sign



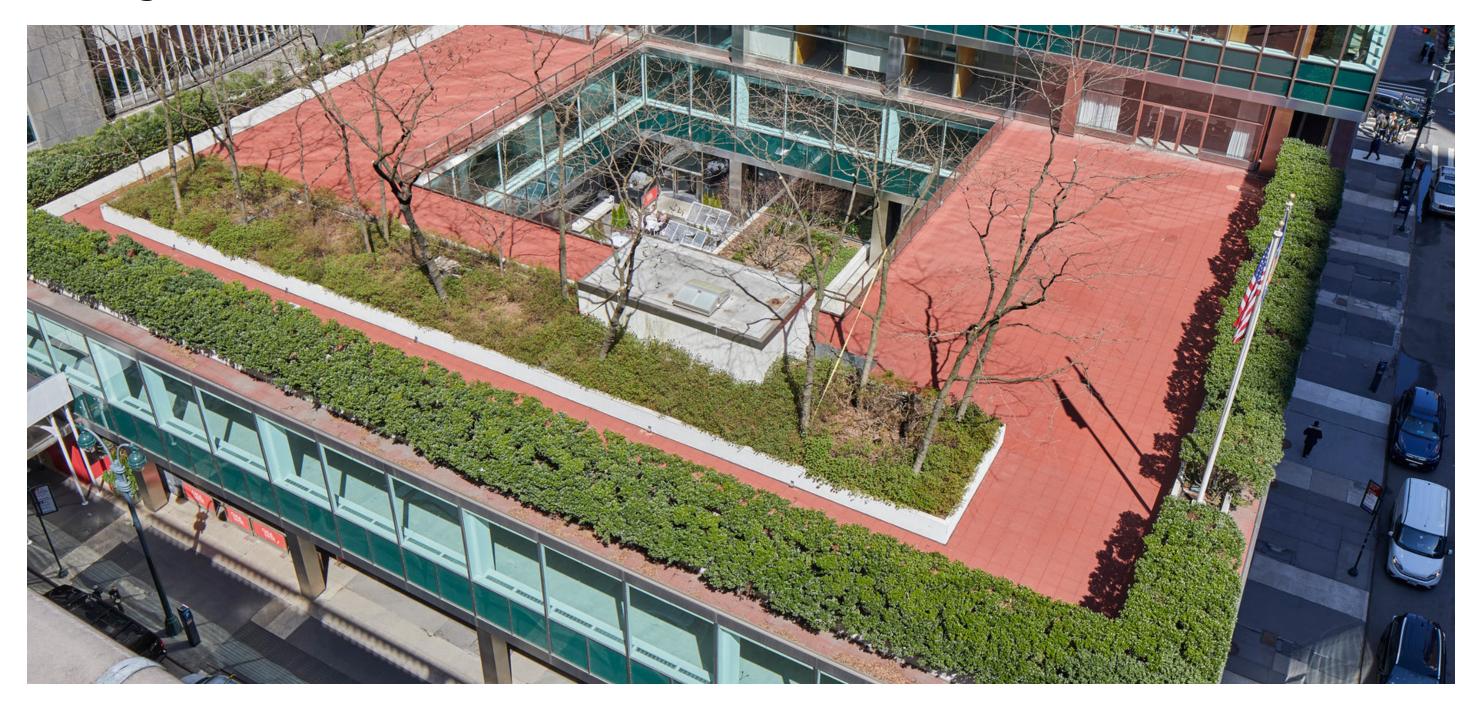
Original Condition 1950's



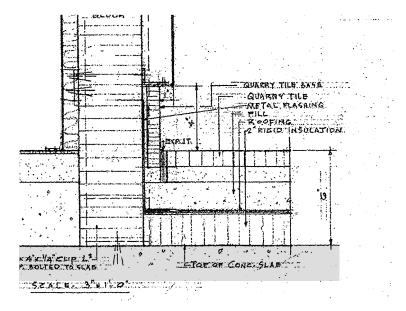
Original Condition, c. 1952



Existing Condition

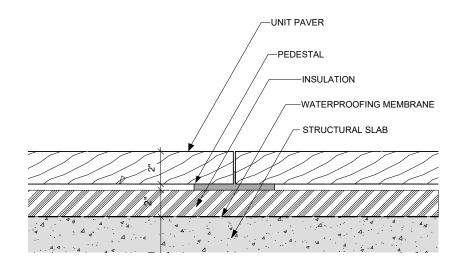


Non-Original Paving Replacement



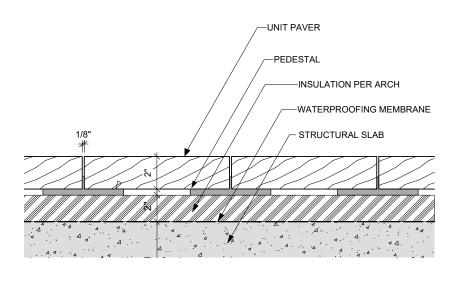


Original Quarry Tile





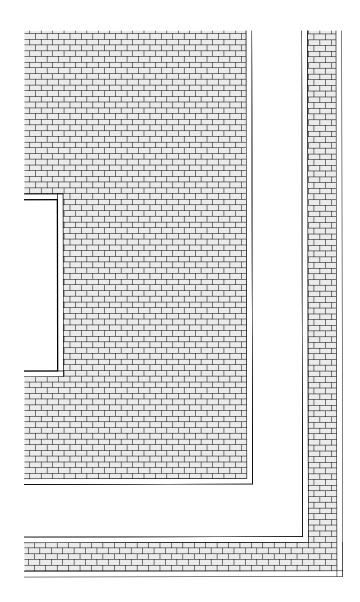
Existing Precast Pavers



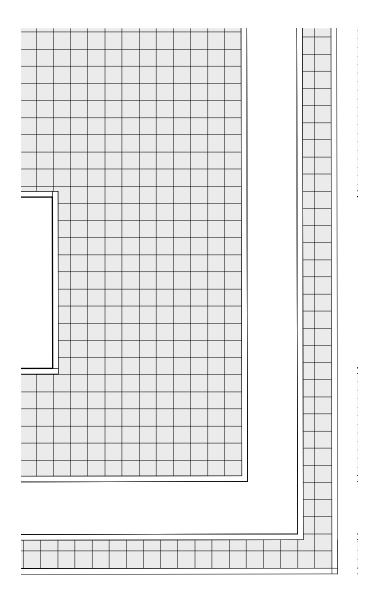


Proposed Precast Pavers

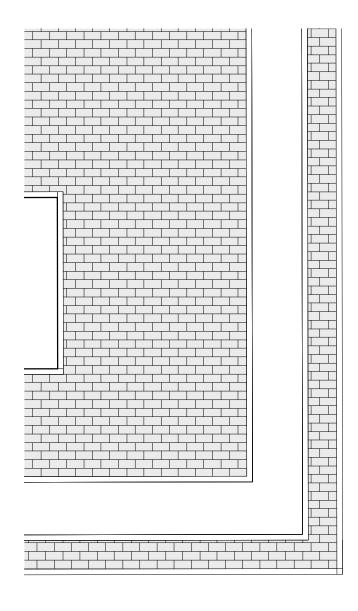
Non-Original Paving Replacement



Original 6" x 9" running bond



Existing 18" x 18" stack bond

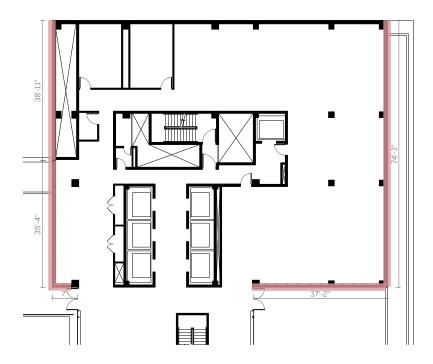


Proposed 9" x 18" running bond



Aluminum Panel Facade Replacement

Original Condition



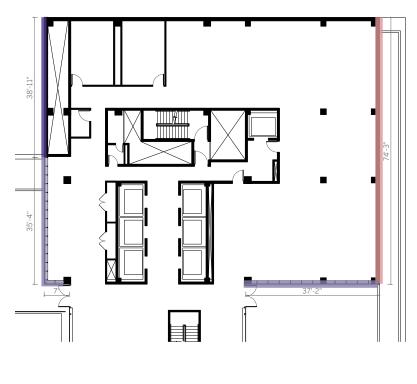
Original Aluminum Panels





Aluminum Panel Facade Replacement

Existing Condition - Aluminum Replaced with Glass in 2001



Existing Fritted Glass

Existing Fritted Glass with Shadow Box

Existing Aluminum Panels

Fritted Glass Approved by LPC COFA 04-6045, docket #04-5448



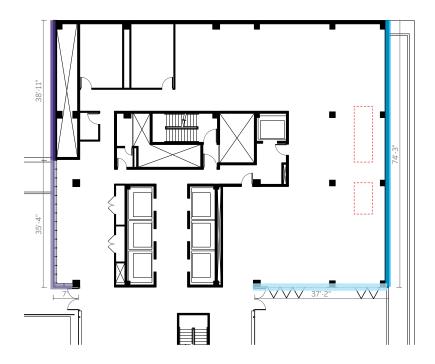


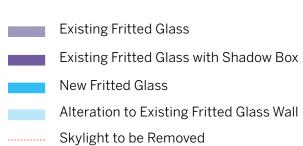


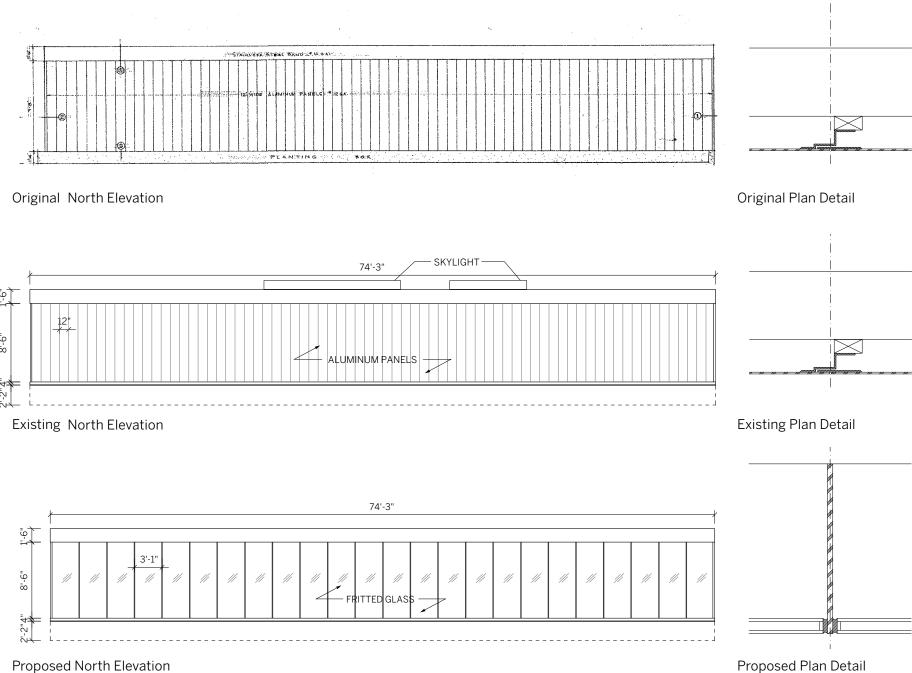
Original Facade Not visbile behind Perimeter Planting

Aluminum Panel Facade Replacement

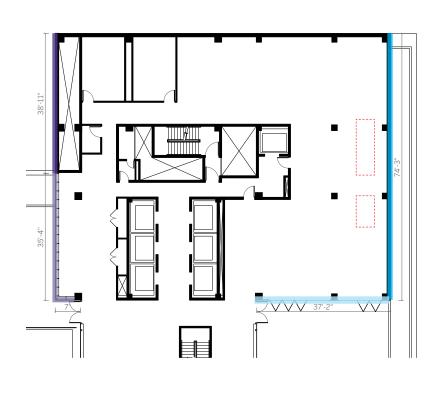
Proposed Fritted Glass







Non-Original Fritted Glass Facade Alteration



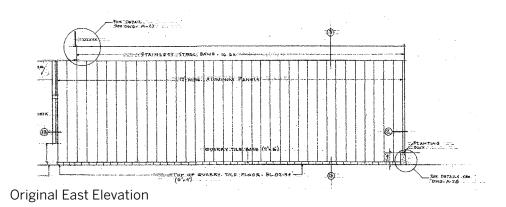


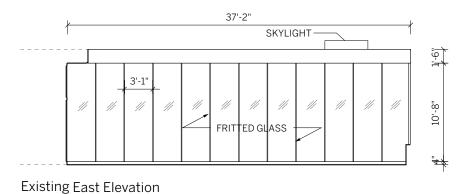
Existing Fritted Glass with Shadow Box

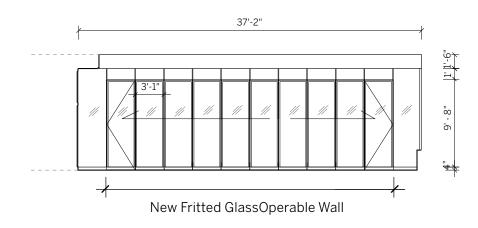
New Fritted Glass

Alteration to Existing Fritted Glass Wall

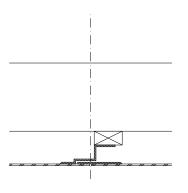
Skylight to be Removed



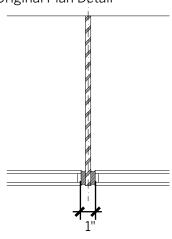




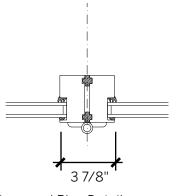
Proposed East Elevation



Original Plan Detail



Existing Plan Detail



Proposed Plan Detail

Fritted Glass

View from NorthWest







Original Existing Proposed







Waterman**CLARK**

Brookfield Properties

SOV

