

Soma Music Venue San Francisco, CA

Adaptive Reuse & Complex Entitlements

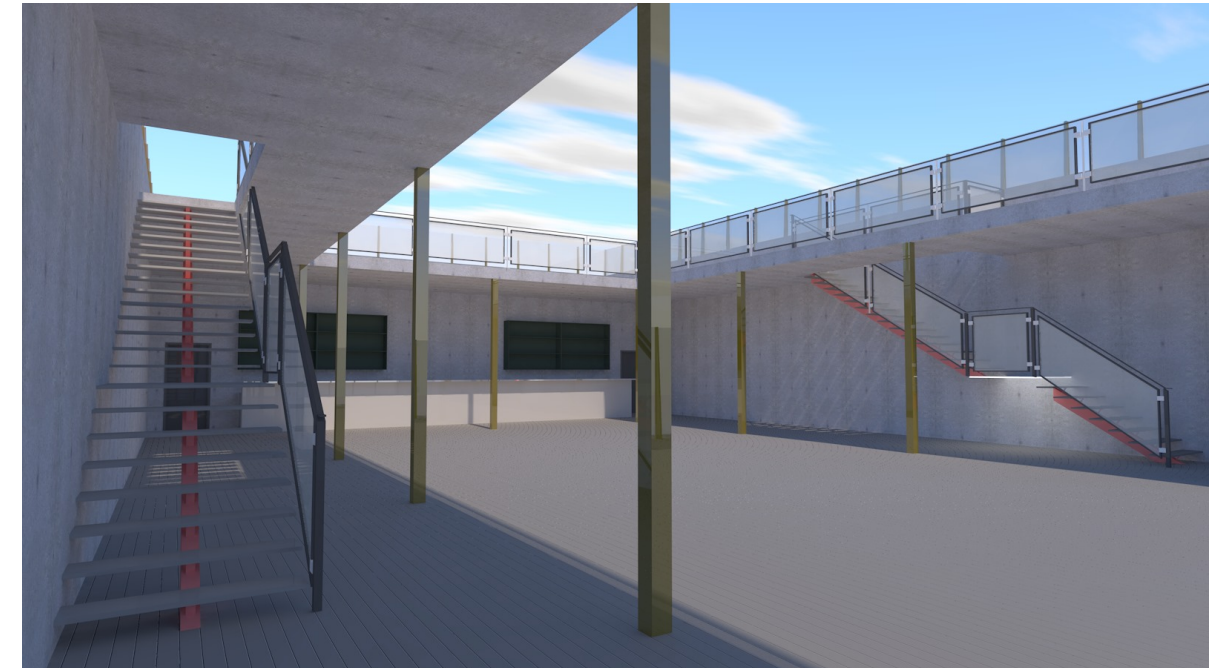
This project involved the conversion of a 22,000 sf former automotive repair shop into a high-capacity music venue in San Francisco's stringent Soma district. Beyond the technical challenges of seismic retrofitting and acoustic isolation, the project required a sophisticated navigation of local zoning laws, specifically the client's objective to create a physical and programmatic passage between the project site and an adjacent property.

As the Technical Lead, I directed the entitlement process, managing the CBC conformity required to transition a light-industrial shell into a high-density Assembly occupancy. A primary focus was the negotiation of a pass-through between independent parcels – a move that had complex fire-life safety and egress repercussions. I coordinated with fire marshals and planning officials, ensuring the design intent met the city's rigorous fire-separation and egress requirements without compromising the venue's flow.

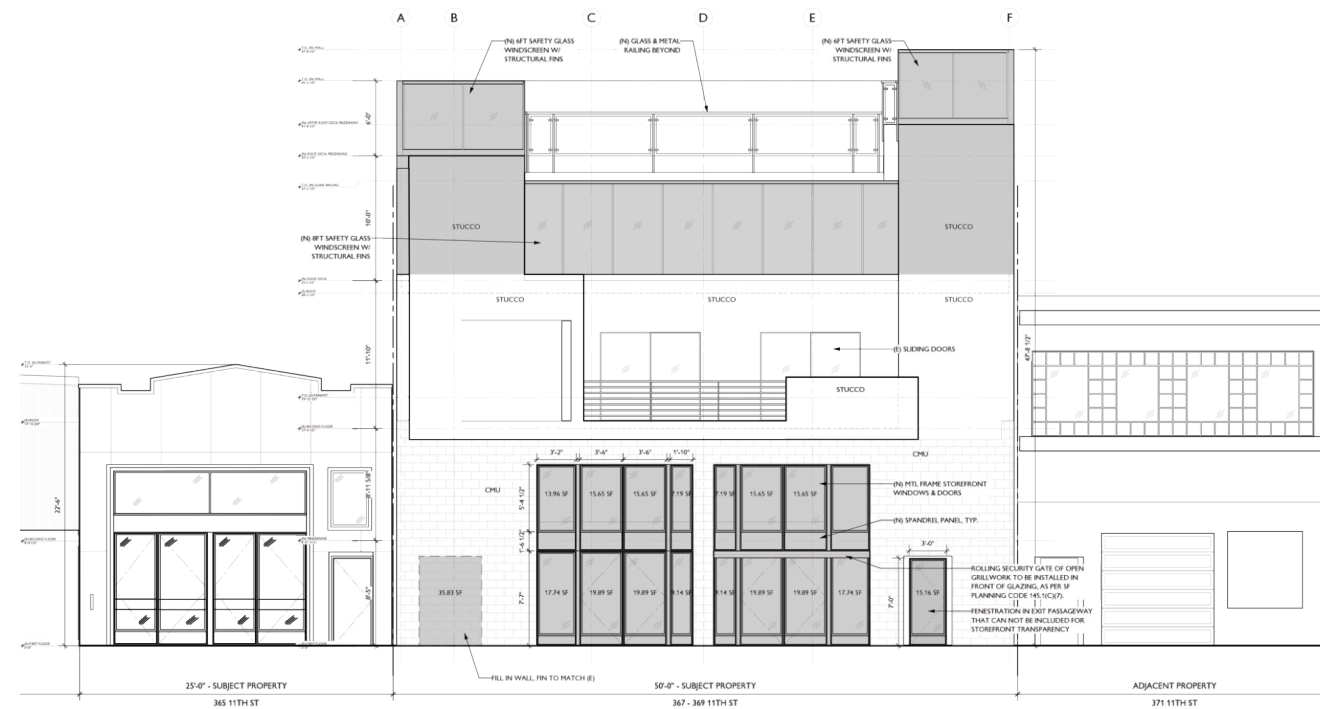
I translated these complex regulatory negotiations into a technical, permit-ready CD set. My role involved navigating the occupancy upgrades and coordinating with acoustic and structural consultants to resolve the vibration and loading challenges inherent in the site's previous use. The result was a design that bridges the gap between a gritty industrial past and a high-performance cultural future.



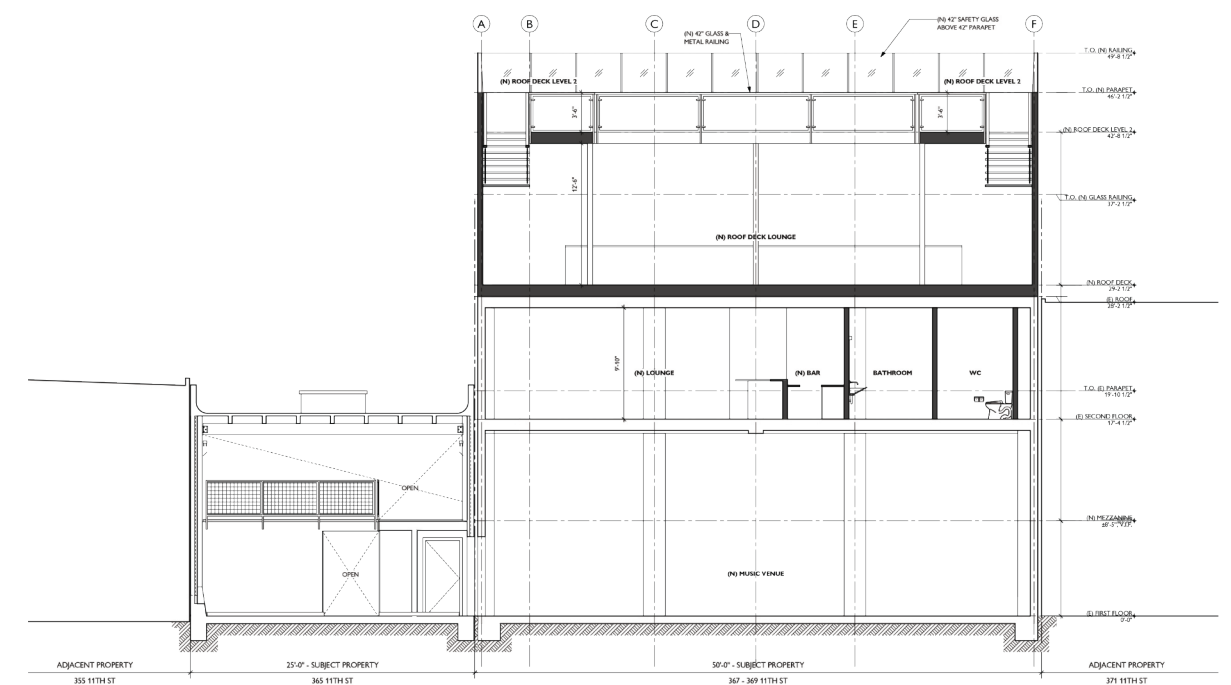
Urban transformation: View from the street



From auto repair facility to cultural destination: View of the proposed rooftop lounge, utilizing the existing structural shell to support new high-occupancy assembly space.



Urban transformation: Streetside elevation detailing a rhythmic facade treatment and the integration of public egress.



Planning complexities: Building section illustrating the negotiated passage required for access to the adjacent property.

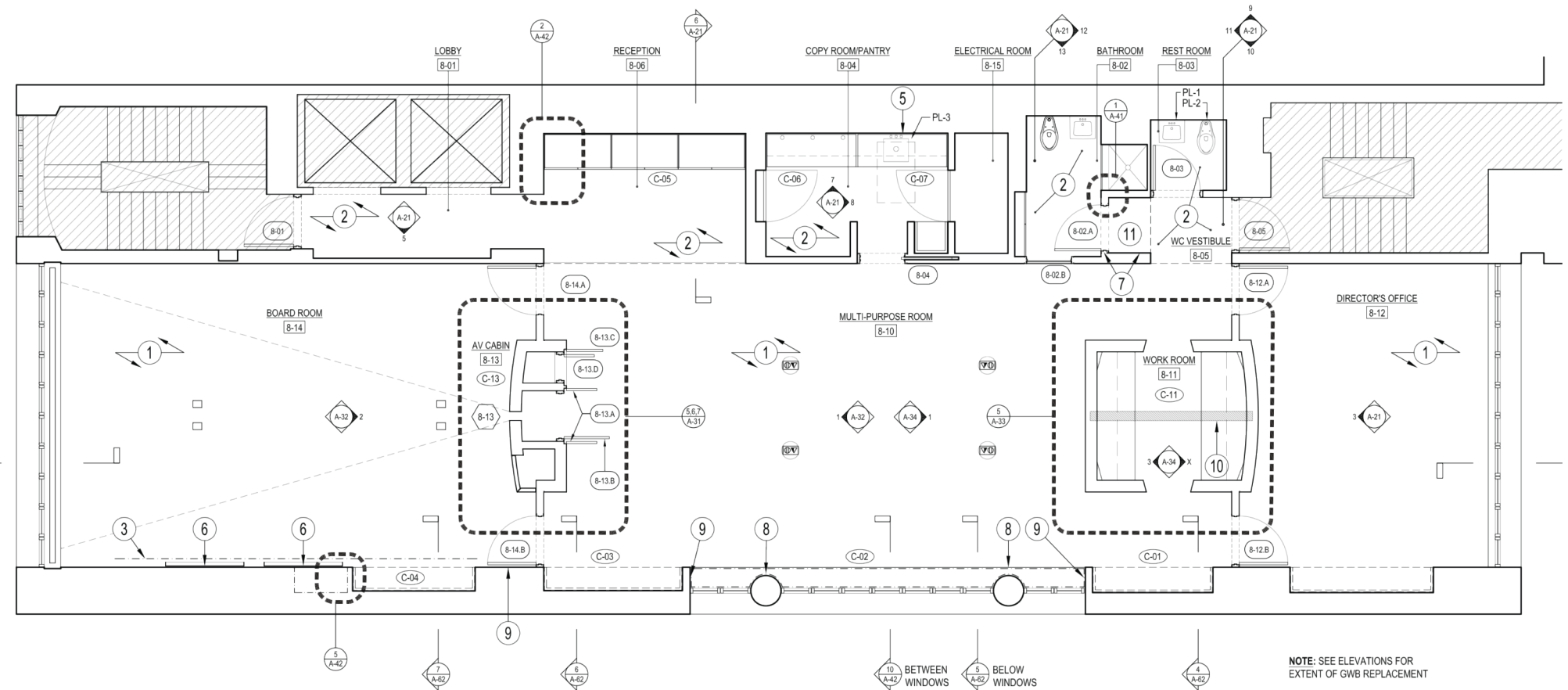
Solomon R. Guggenheim Foundation New York, NY

Balancing Institutional Rigor with Spatial Fluidity

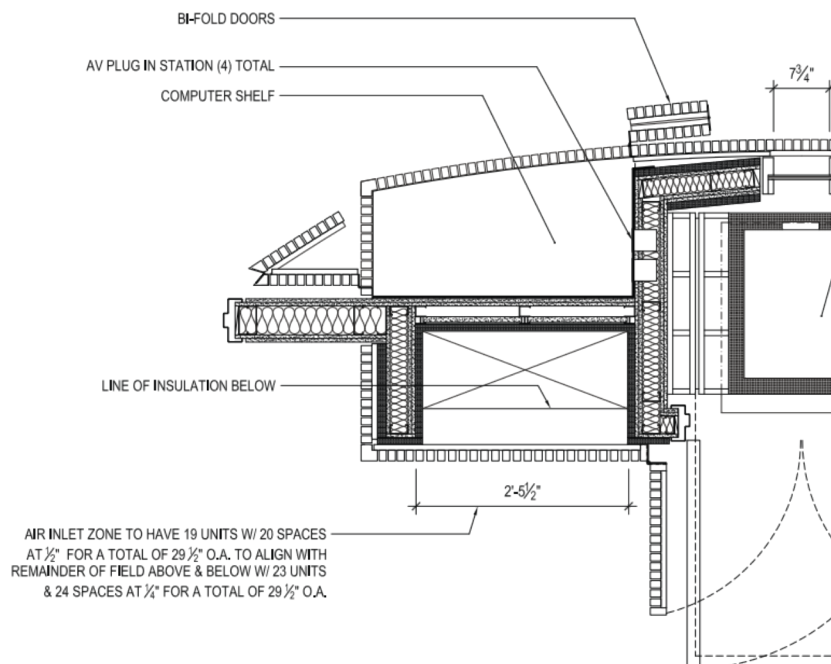
Tasked with modernizing the Foundation's primary administrative hub, the project required a sensitive architectural intervention within the Gwathmey Siegel addition. The objective was to transform a static floor plate into a high-functioning environment capable of transitioning from quiet, executive focus to the high-intensity frenzy of exhibition planning and board accessions.

We approached the plan as a series of curated spatial cabins that gently partition the long rectangular loft. By utilizing vertical cherry slat partitions, we achieved a sense of transparency and fluid circulation while maintaining the acoustical and visual privacy required for high-level meetings. The result is a programmatic layout that feels inherently calm and dignified.

The modernity of the space is found in the low-tolerance coordination of materials: polished concrete, lush textiles, and bespoke copper hardware. My focus was on the technical realization of these details – ensuring that the cabins discreetly housed complex audio/visual systems and administrative infrastructure without disrupting the architectural purity. This required a strong commitment to accuracy in the CD set, where the intersection of the existing structure and contemporary technical requirements was resolved with zero-tolerance precision.



Spatial Fluidity: Plan design providing the requested programmatic flexibility and operability.



Precision detailing: AV cabinet fabrication detail (left) and the finished installation (above)

Calm: Acoustic and lighting integration in the redesigned Boardroom

Clarity: Minimalist intervention in the The Director's Office.

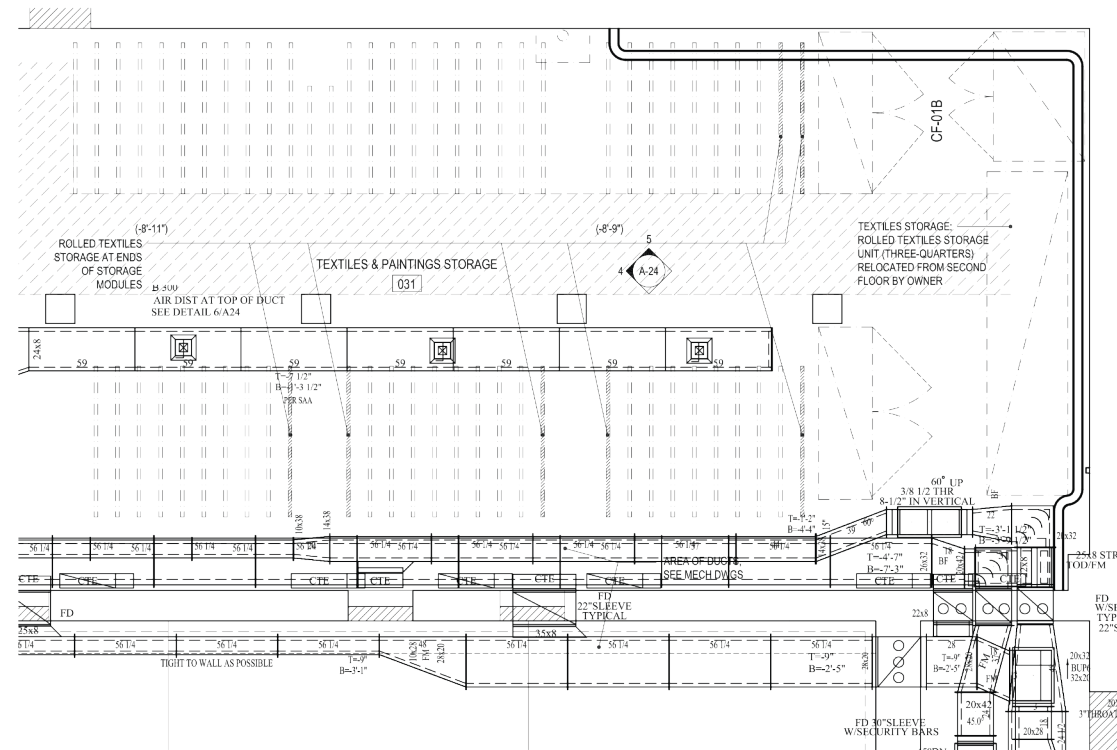
Allen Memorial Art Museum Oberlin, OH

High-Performance Systems in a Historic Landmark

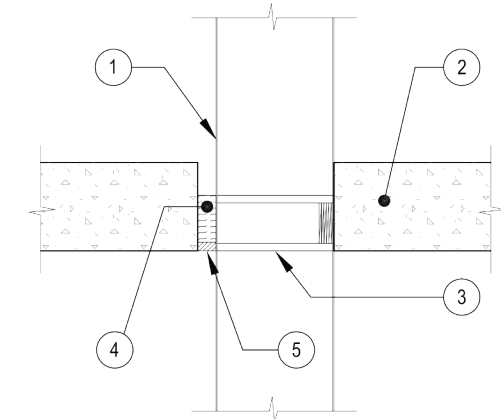
The renovation of this 8,000 sf landmark required a surgical approach to modernization. The primary challenge was the integration of archival-grade climate control into a historic envelope while adhering to the rigorous conservation standards of an institutional collection.

As the lead for Construction Administration, I orchestrated a complex interplay between structural, MEP, and conservation consultants. My focus was on constructability: translating the design of storage requirements and climate-controlled spatial solutions into a sequence of work that respected the building's historical integrity. I served as the primary bridge between the design intent and the contractor, resolving field conditions in real-time to ensure that technical infrastructure remained invisible within the finished galleries.

Success in this project was defined by the accuracy of the technical documentation and the rigor of the administrative process. I directed the comprehensive LEED documentation and submittal workflows, ensuring that the project met stringent sustainability goals without compromising the museum's archival requirements. By maintaining a high-fidelity feedback loop between consultants and the field, we achieved a modernized facility that balances 21st-century performance with 20th-century architectural heritage.



Precision Coordination: Mechanical and architectural integration plan illustrating the routing of archival-grade climate control ductwork within high-density art storage volumes.



1. MAXIMUM 44" X 8" RECTANGULAR SHEET-METAL DUCT (MIN. 24 GA.)
2. CONCRETE FLOOR ASSEMBLY (MINIMUM 10" THICK) (2-HR FIRE RATING)
3. EXISTING FIRE DAMPER W 1" STEEL ANGLE INTERIOR STIFFENERS @ ALL 4 SIDES
4. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED, RECESSED TO ACCOMMODATE SEALANT
5. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT

NOTES

- MAXIMUM SIZE OF OPENING = 46" x 10"
- ANNULAR SPACE = MINIMUM 0", MAXIMUM 2"

Environmental Integrity: Construction sketch detailing the airtight duct penetration strategy required to maintain strict humidity and temperature controls.



Archival-Grade Environments: Finished art storage facilities featuring museum-standard lighting, climate-stable surfaces, and integrated high-density racking systems.

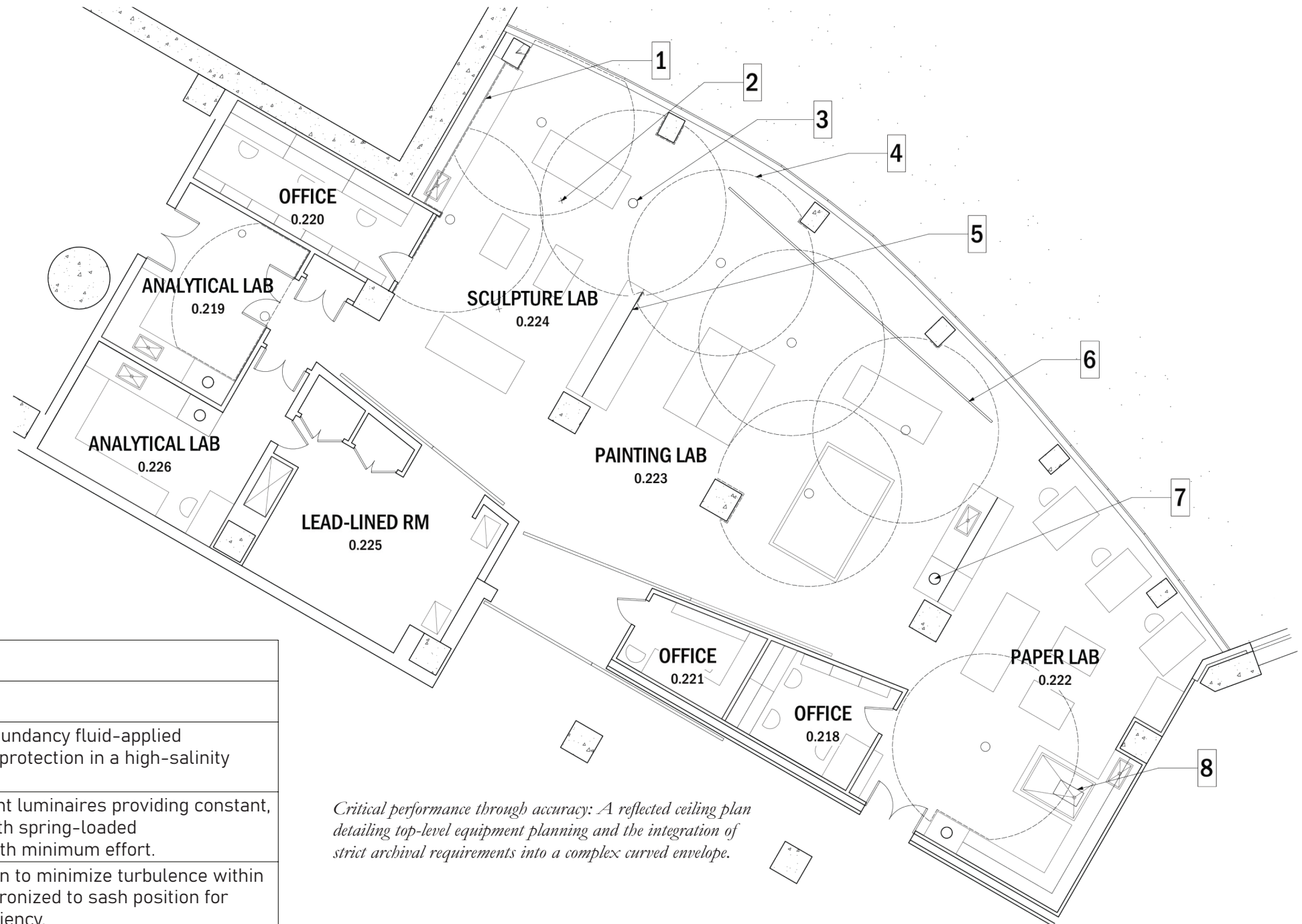
The Guggenheim Abu Dhabi UAE

Technical Infrastructure within Sculptural Geometry

Working within the framework of Frank Gehry's non-linear geometries, the challenge was to design the museum's technical heart: the high-performance Art Conservation Laboratory. This required the integration of rigid, specialized laboratory requirements – including stringent ISO clean-room standards and archival climate controls – into a highly irregular architectural shell.

As Technical Designer for the laboratory suite, I led the planning and equipment specification for 6,000+ sf of conservation space. The project demanded a global perspective, navigating international laboratory safety codes and procurement complexities. I served as the primary technical interface, ensuring that the laboratory's functional logic – from organic solvent extraction to high-security art handling – remained intact despite the building's structural complexity.

I translated these needs into a precise set of Construction Documents and comprehensive equipment schedules. By focusing on high performance in planning and specification, the team ensured the laboratory would serve as a world-class facility capable of protecting the Museum's most valuable assets.



Critical performance through accuracy: A reflected ceiling plan detailing top-level equipment planning and the integration of strict archival requirements into a complex curved envelope.

Laboratory Technical Specifications Highlights	
System	Technical Requirements
Envelope Integrity	Maritime Waterproofing: Multi-layer, high-redundancy fluid-applied membranes specified for sub-grade archival protection in a high-salinity environment.
Artwork Illumination	High-CRI Conservation Lighting: Ceiling-mount luminaires providing constant, shadow-free light. 360° tilting and rotating with spring-loaded counterweighting for maximum operability with minimum effort.
Lab Infrastructure	Fume Hoods: Variable-speed, air foil operation to minimize turbulence within the hood interior. Integrated air bypass synchronized to sash position for user-controlled face velocity and energy efficiency.
Artwork logistics	Integrated Textile Hoist: Ceiling-mount motorized pulley system with integrated hinged drip-pan and seismic hardware. Engineered for the safe transport and wet-treatment of large-scale textiles.
Hazardous Storage	Specialized Chemical Containment: Custom ambient and cold-storage suites for conservation-grade solvents. Features integrated temperature monitoring and full OSHA/International Code compliance.

WeWork San Francisco, CA

Modernizing Historical Infrastructure for High-Density Occupancy

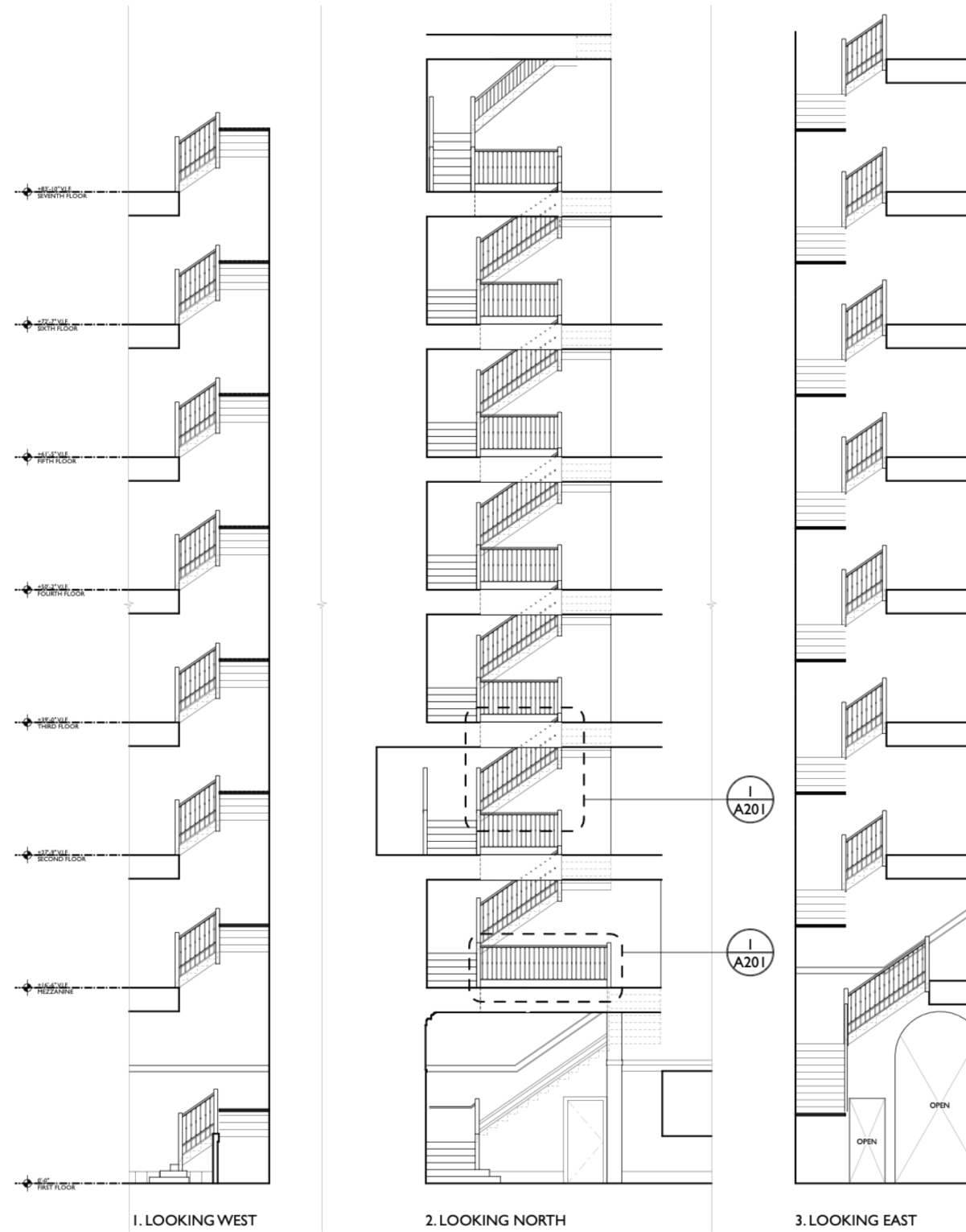
This project required the technical overhaul of an 8-story historical building to accommodate code-compliant high-density commercial use. The primary challenge lay in modernizing the building's core infrastructure – specifically the vertical circulation and egress systems – within the constraints of a rigid historical shell and stringent San Francisco building codes.

As the lead for technical upgrades, I directed a series of code audits to facilitate design intervention. A critical component was the elevator penthouse modernization, which required navigating height limits, structural seismic requirements, and historical preservation guidelines simultaneously. I served as the primary coordinator between the client's rapid-growth requirements and the regulatory realities of the SF DBI, ensuring that the modernization of the building's gut supported WeWork's goals.

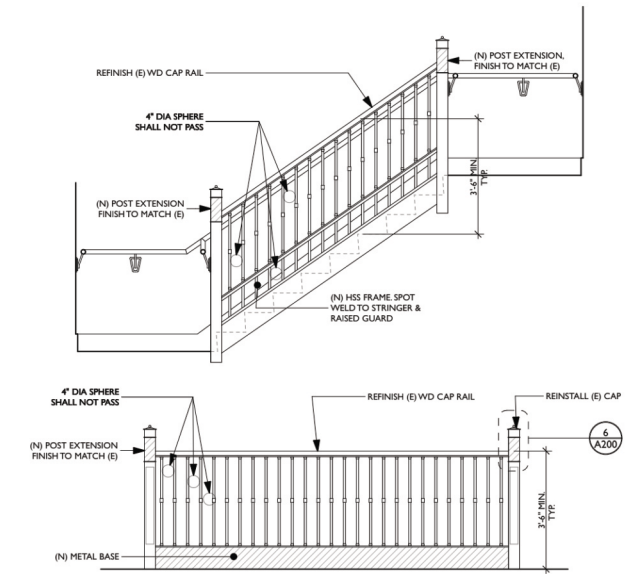
I led the coordination with structural consultants, as well as the meticulous review of shop drawings. By working directly with fabricators and the general contractor, I ensured that precise interventions were executed with delicacy, maintaining the project's aggressive schedule while ensuring full code compliance across all eight floors.



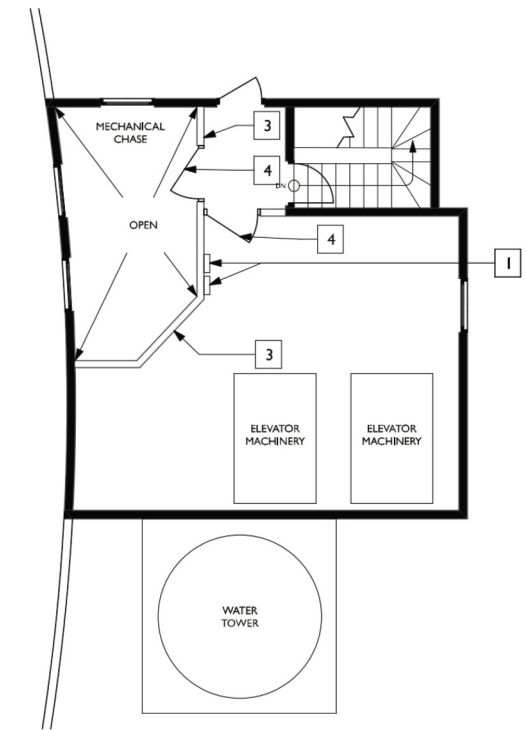
Programmatic Activation: View of the communal lounge and custom spiral stair



Vertical Connectivity: Strategic structural infill to facilitate programmatic flow and internal egress.



Code Reconciliation: Resolving CBC Chapter 10 egress and Chapter 11B accessibility requirements



Core Modernization: Plan for elevator penthouse upgrades to support increased occupancy

Acura Showroom Oakland, CA

Corporate Identity & Large-Scale Technical Standards

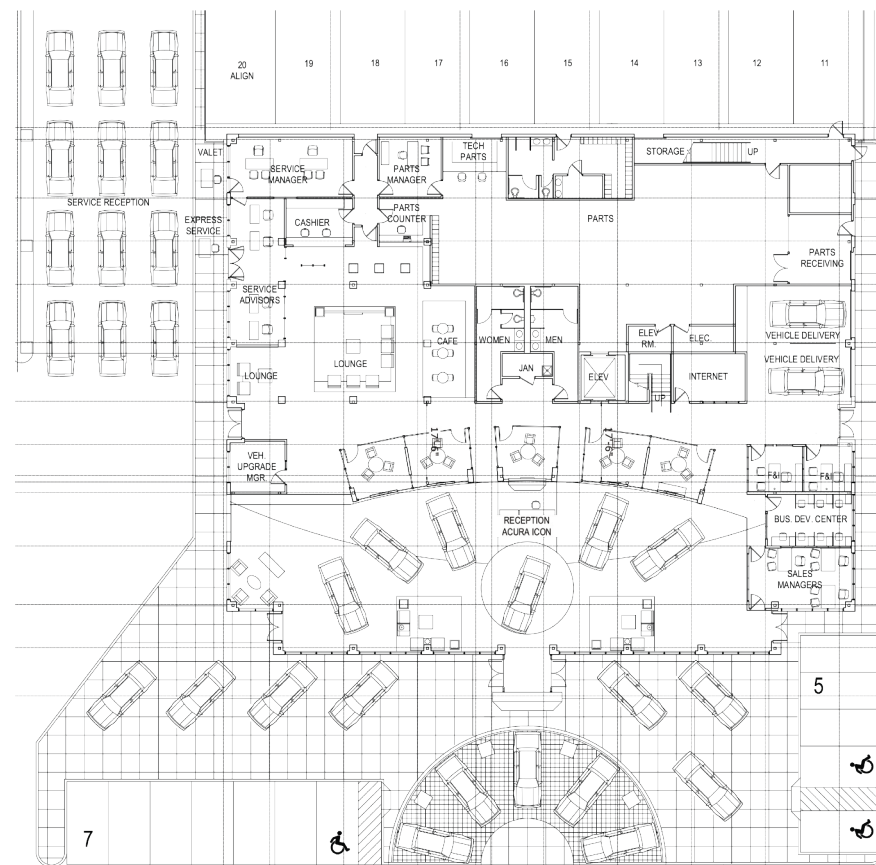
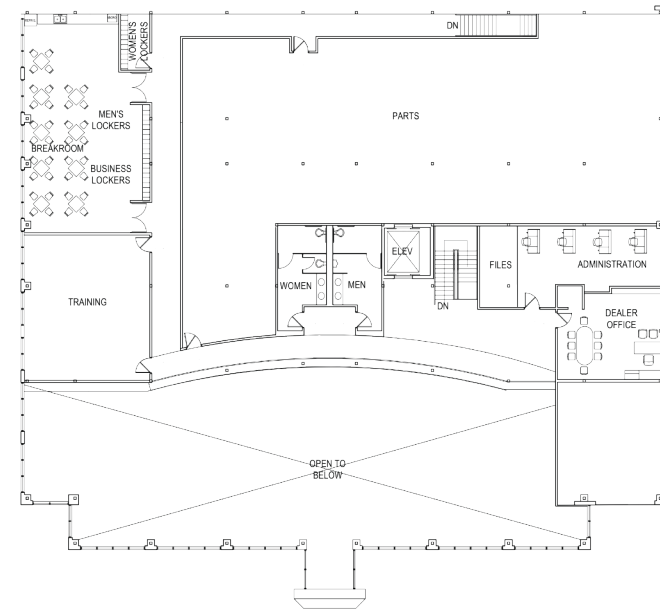
This 40,000 sf ground-up automotive showroom required strict adherence to Acura's global corporate design standards while navigating the site-specific technical requirements of an urban commercial lot. The project served as a study in precision, requiring integration of massive structural spans, high-performance curtain walls, and specialized automotive service infrastructure.

During the Design Development and Construction Documentation phases, my focus was on the technical translation of the brand's luxe aesthetic into a permit-ready set. I served as a key technical resource, ensuring that the low-tolerance finishes and clean-line design intent were maintained through every drawing sheet.

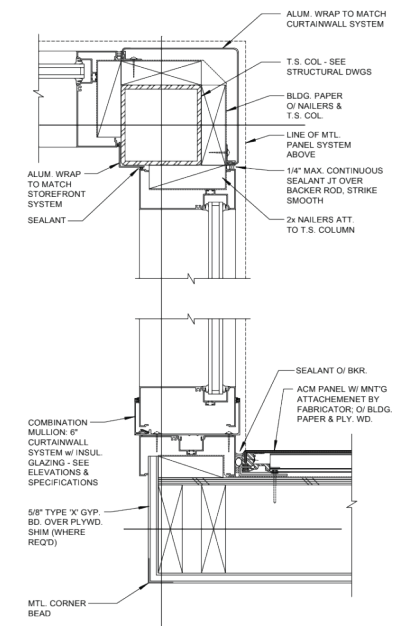
Working within a rigorous production schedule, I worked on the documentation of complex glazing systems and interior finishes. By focusing on the accuracy of the CD set, I helped bridge the gap between corporate design guidelines and the practical matter of building codes, ensuring a finished building that met the client's high operational and aesthetic standards.



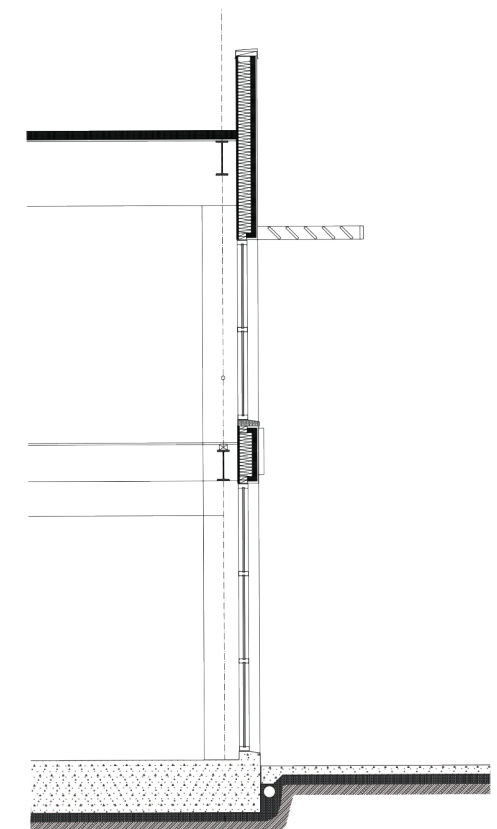
High-stakes corporate delivery: Showroom interior pre-occupancy



Programmatic Zoning: First and second floor plans illustrating the separation of high-traffic retail, back-of-house service bays, and executive administrative suites



Detail: Translation of corporate-issued window standards into site-specific architectural assemblies



Wall section through the glazing system: Detailing the interface between long-span steel framing and curtain wall assemblies.

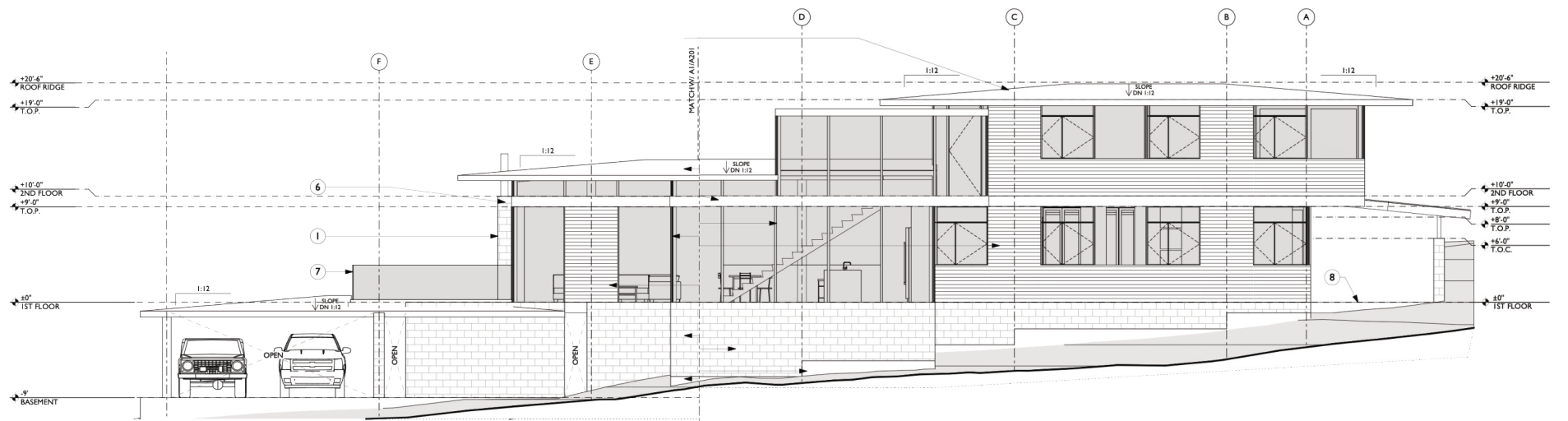
Sonoma Retreat Healdsburg, CA

Master Planning & Rural Infrastructure

The objective for this expansive forest estate was to create a cohesive family retreat that balanced luxury hospitality with the technical requirements of a working agricultural site. One major challenge lay in the invisible infrastructure: navigating complex topography, managing sustainable water and drainage systems, and ensuring strict adherence to Wildland-Urban Interface (WUI) fire-safety codes without compromising the site's aesthetic serenity.

As the project lead, I orchestrated the master plan for the multi-building compound, coordinating the placement of the primary residence, guest quarters, and agricultural facilities to maximize site views while minimizing environmental impact. A primary focus was environmental stewardship; I directed the integration of fire-resilient construction methods and defensible space planning, serving as the bridge between the client's vision and the technical demands of Sonoma County's building and fire departments.

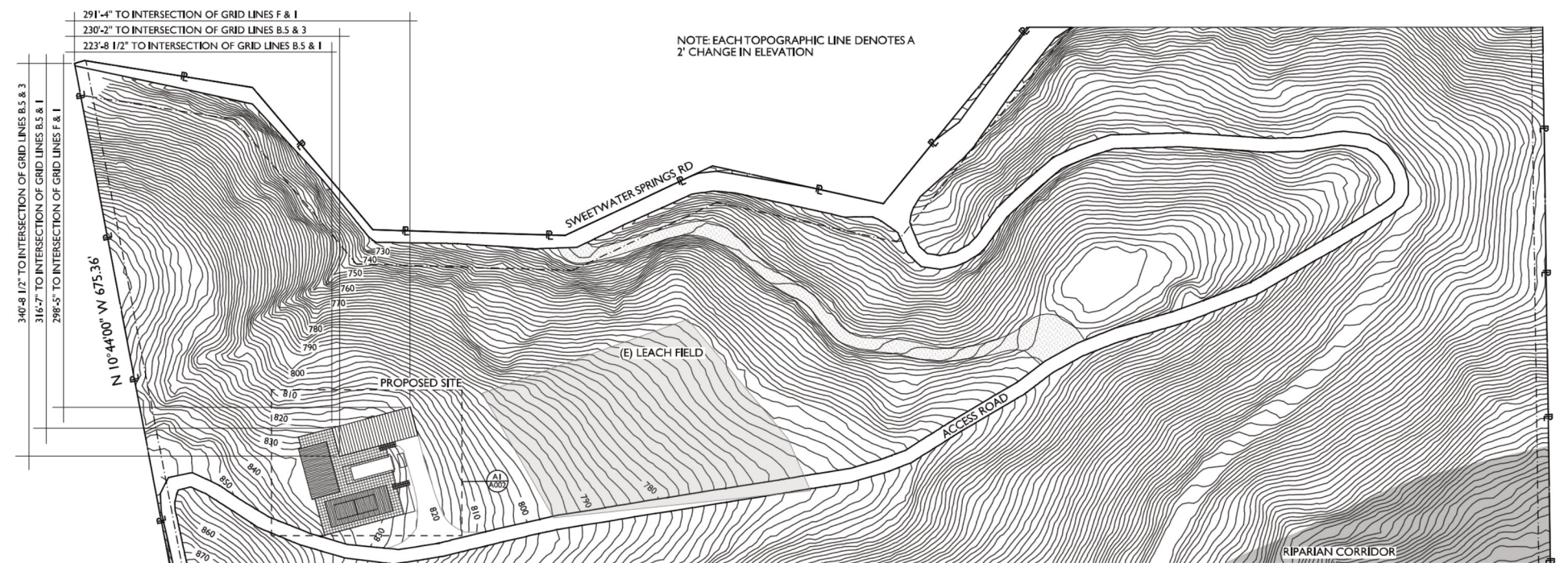
I led the design development of the building envelopes, utilizing a palette of rammed earth, weathered steel, and expansive glazing. My focus was on the accuracy of the technical transitions – ensuring that the modern, low-profile structures performed at the highest level of thermal and seismic efficiency while both enhancing and benefitting from the rugged landscape.



Architectural design as a tectonic extension of the surrounding landscape: Elevation of the main building.



Spatial calibration: View of the central pool in its surrounding environment. Rendering by others.



Topographical navigation: Partial site plan illustrating the strategic placement of the main compound within the sensitive hillside ecology.

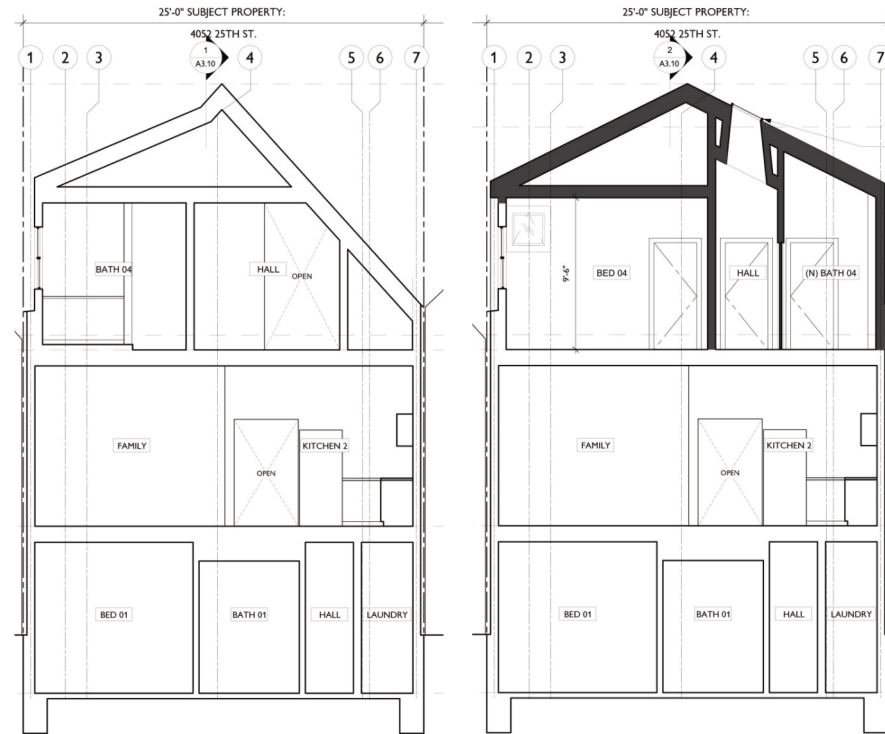
Noe Valley Historic Residence San Francisco, CA

Historic Expansion & Vertical Modernization

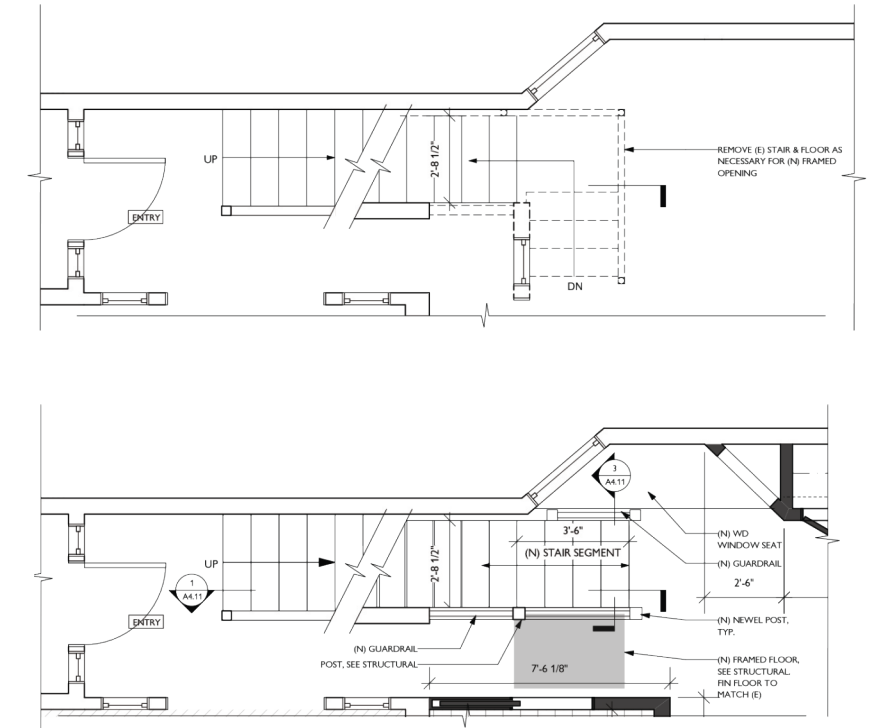
Located in the heart of San Francisco's Noe Valley, this project involved the vertical expansion and modern transformation of a constrained urban lot. The primary challenge was the negotiation of a significantly increased building envelope within a sensitive neighborhood context. This required a dual focus: securing complex entitlements through the SF Planning Department and resolving the structural and life-safety implications of a multi-story vertical addition.

I led the entitlement strategy, navigating the code and zoning requirements of height limits and fire-separation requirements. My role involved facilitating a modernization that maximized livability while respecting the neighborhood fabric. I served as the technical bridge, translating these regulatory wins into a construction-ready CD set that addressed the seismic and structural challenges of building vertically on a constrained site.

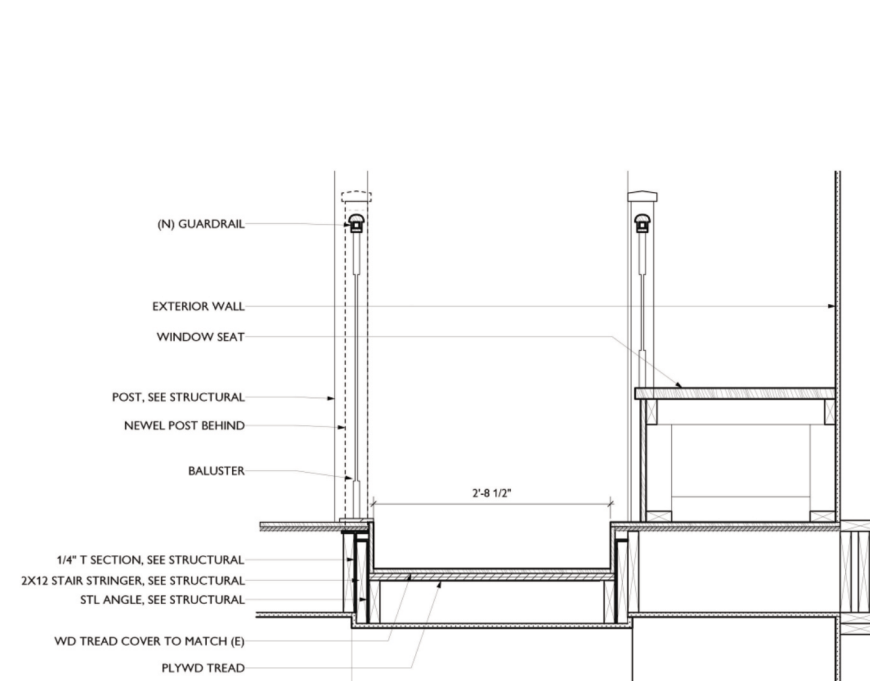
Central to the spatial modernization was the replacement of a convoluted winding stair with a custom steel-and-wood stair assembly in a straight run, a circulation edit that unlocked usability returns on the primary living level. Another focus was on the accuracy of the property-line detailing – ensuring that fire-rated assemblies were well integrated into the design without compromising the historic aesthetic.



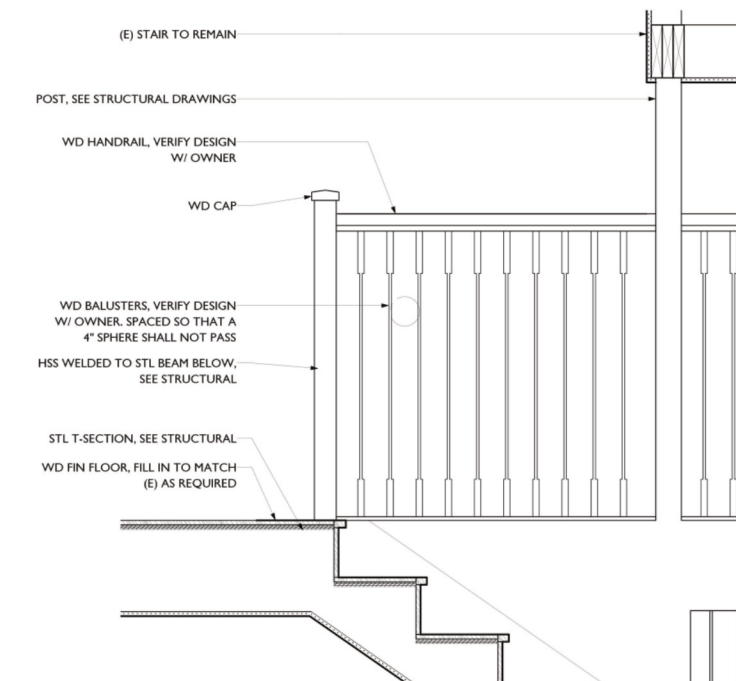
Maximizing living spaces: Comparative analysis of existing and proposed building sections, illustrating the strategic vertical expansion of the primary envelope.



Efficiency in circulation: Comparative plan study of the existing winding stair and the proposed straight-run reconfiguration.



Precision in construction: Sectional details of the proposed stair assembly, focusing on stringer integration.



Napa Vineyard Retreat St. Helena, CA

Envelope Transformation & Spatial Re-programming

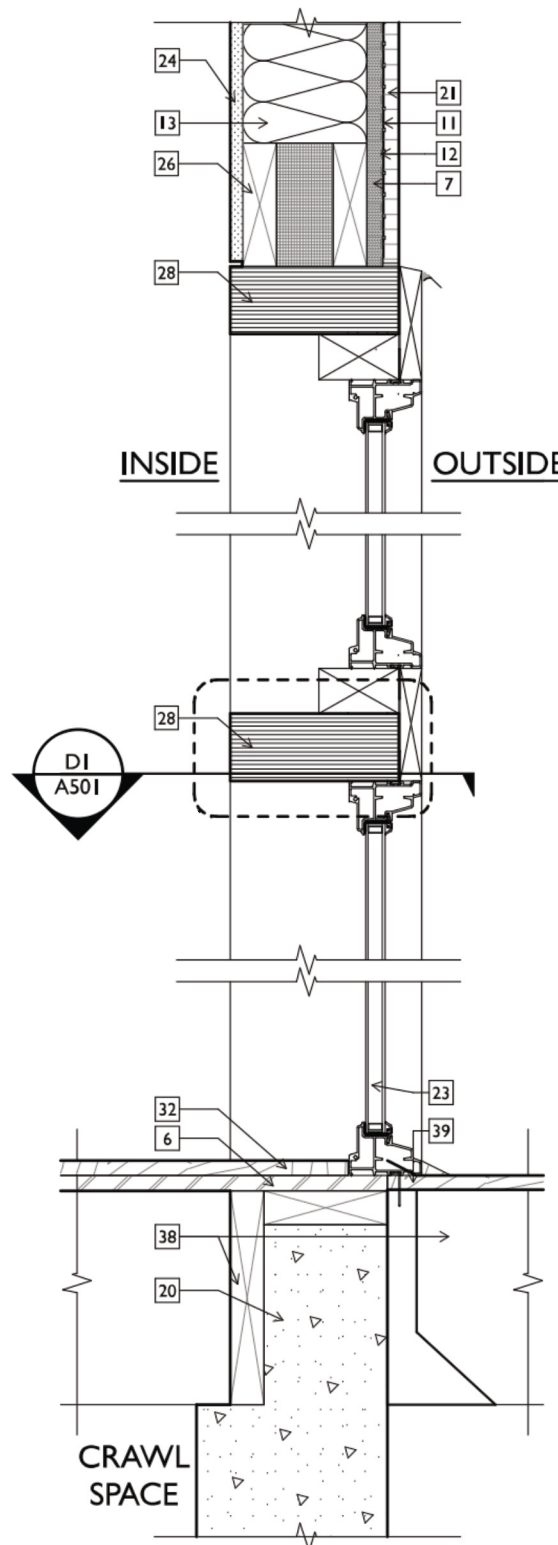
The project involved the comprehensive architectural overhaul of a large-scale, 1990s-era residential structure. The primary challenge was to strip away a generic aesthetic to reveal a more disciplined, modern volume. This required a surgical approach to the existing building's "bones" – reconciling inconsistent structural spans with a new, high-transparency design language and improving the thermal performance of a dated building envelope.

As designer, I focused on the transformation of the building's exterior and interior logic. We replaced fragmented, non-performing openings with a high-fidelity window wall system that re-oriented the house toward the private vineyard.

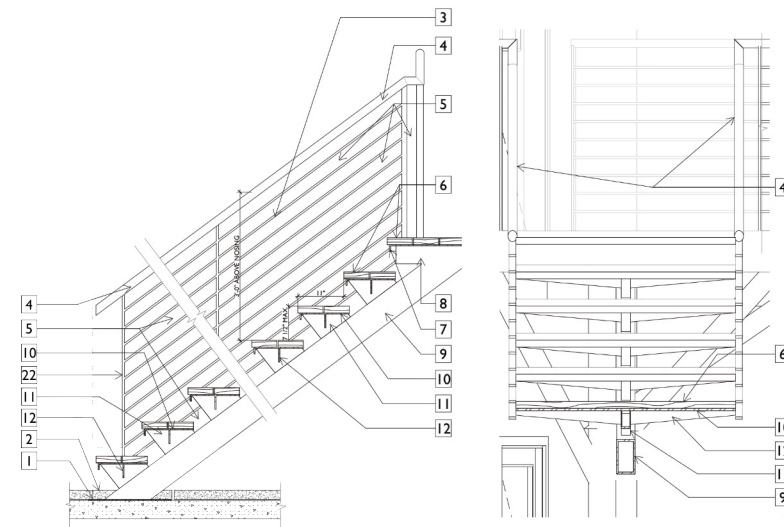
The building was largely redefined through the accuracy of its new details. Most of my work was during the CA phase, where I focused on the low-tolerance intersections of the new steel construction and the existing structural system. By applying rigor in the submittal and shop-drawing process, I ensured that the generic shell was transformed into a bespoke, high-performance retreat. The result is a project that proves the power of architectural intervention to elevate underperforming existing buildings.



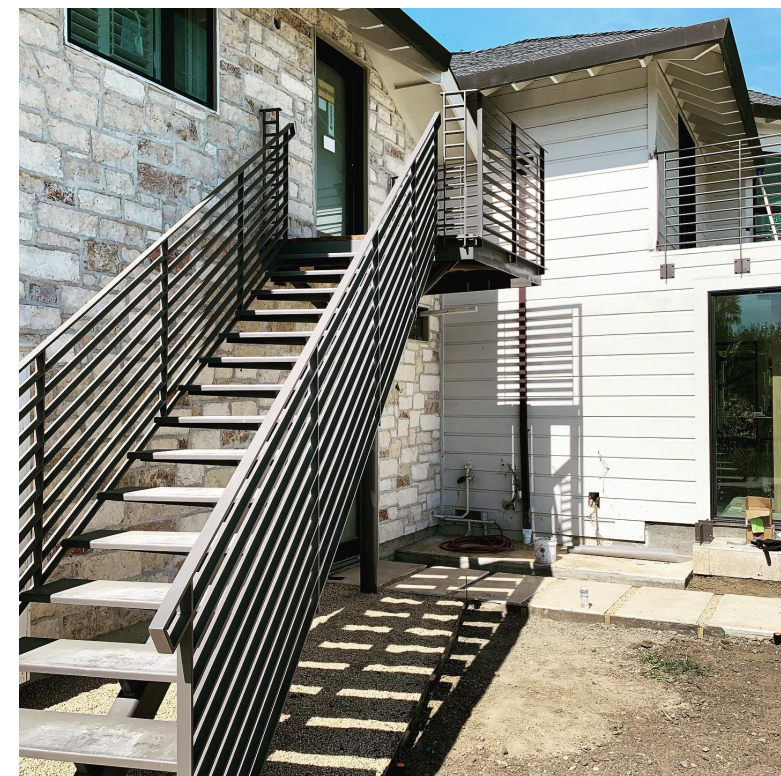
Environmental synergy: High-performance glazing and lighting transform the experience of the retreat



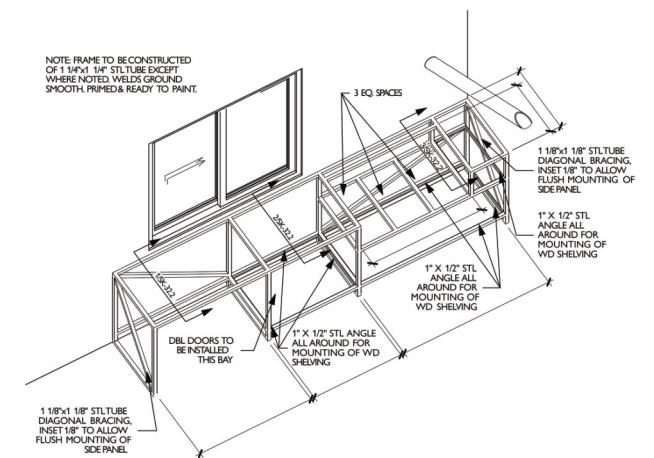
Wall Section: A study in new materiality and transparency



Tectonic Precision: Detailed assembly of the monostringer steel stair



Tectonic Precision: The finished execution



Outdoor Living Infrastructure: Axonometric study of the outdoor kitchen structural frame



Outdoor Living Infrastructure: Photo of the finished amenity

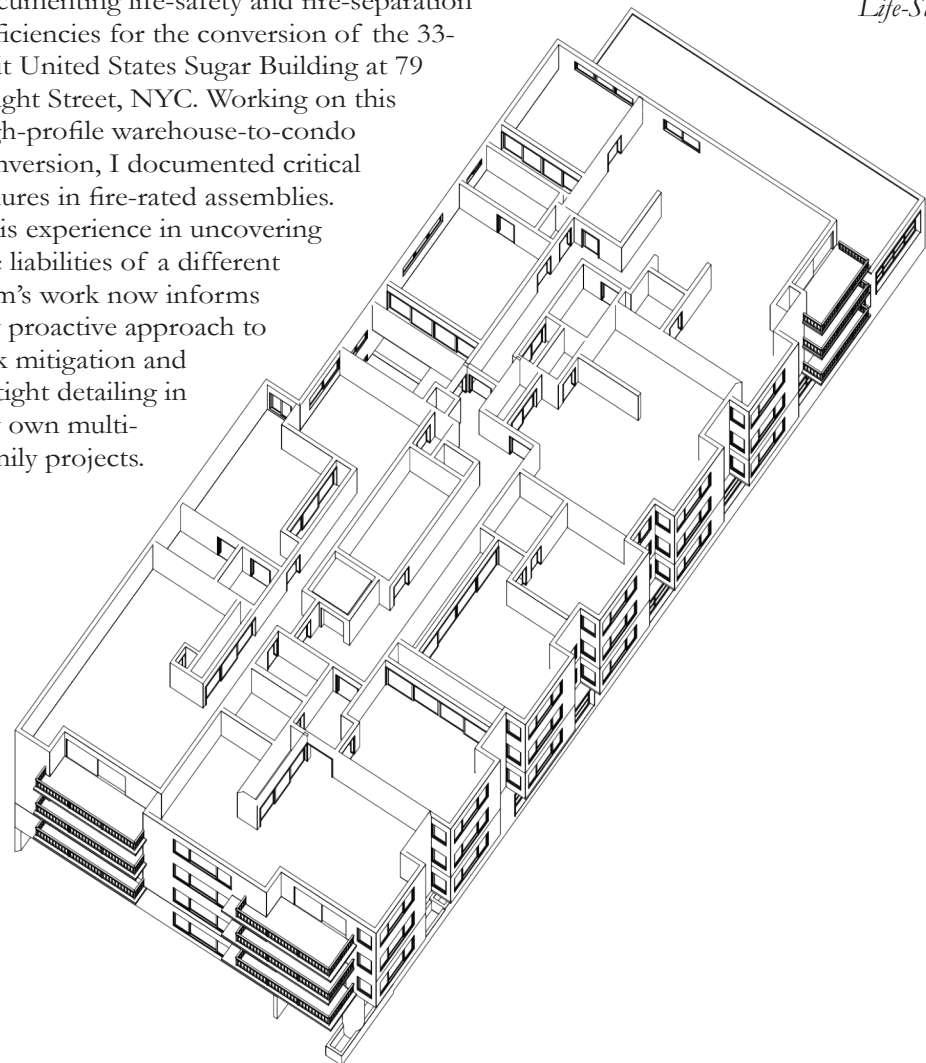
Urban Infill & High-Density Development New York, NY & San Francisco, CA

High-Density Residential & Mixed-Use Projects

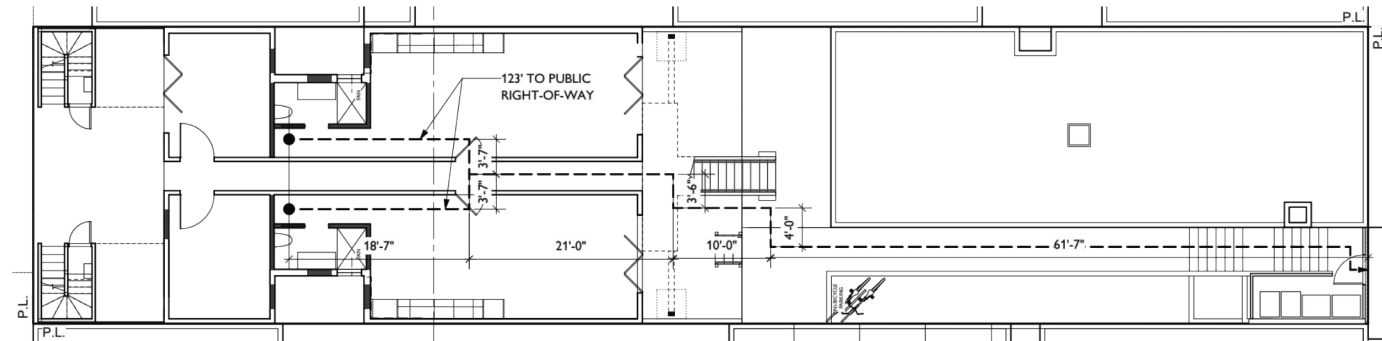
Technical Leadership in Multi-Family Development

Multi-family projects require its own combined focus of planning efficiency and code rigidity. My experience spans from intimate four-plex infill projects to large-scale, 20+ unit developments, demanding a precise approach to balancing net-leasable area with accessibility and life-safety requirements. The core challenge across this range is managing dimensional control – ensuring that standardized unit assemblies are technically airtight, code-compliant, and constructible within budgetary constraints.

In addition to design-led delivery, I bring a background in forensic building science, notably as part of the technical team documenting life-safety and fire-separation deficiencies for the conversion of the 33-unit United States Sugar Building at 79 Laight Street, NYC. Working on this high-profile warehouse-to-condo conversion, I documented critical failures in fire-rated assemblies. This experience in uncovering the liabilities of a different firm's work now informs my proactive approach to risk mitigation and airtight detailing in my own multi-family projects.



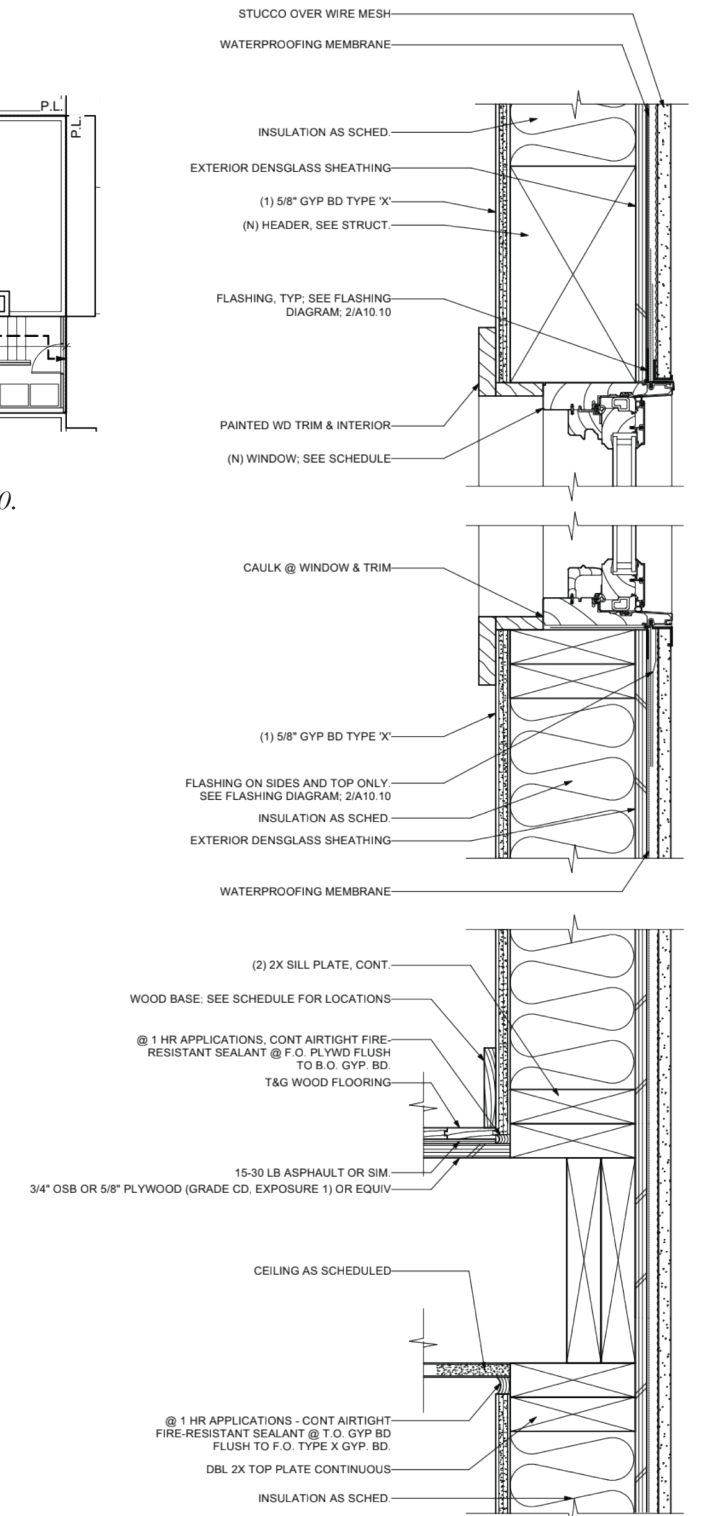
High-Density Machine for Living: Axonometric study of living areas and common areas



Life-Safety Coordination: Planar egress diagram illustrating travel distance compliance on a complex site per CBC Chapter 10.

Unit Matrix - Pacific St Apartments

Unit	Unit Type	ELA	ULA	BA	Efficiency	Alloc NLA	TEA
101	1BR	747 sf	0 sf	804 sf	92.9%	134 sf	881 sf
201	1BR	747 sf	0 sf	804 sf	92.9%	134 sf	881 sf
301	2BR	924 sf	61 sf	1,049 sf	88.1%	166 sf	1,090 sf
302	1BR	752 sf	51 sf	817 sf	92.0%	135 sf	887 sf
303	Studio	390 sf	0 sf	434 sf	89.9%	70 sf	460 sf
304	1BR	663 sf	0 sf	727 sf	91.2%	119 sf	782 sf
305	2BR	917 sf	40 sf	997 sf	92.0%	164 sf	1,081 sf
401	2BR	924 sf	61 sf	1,049 sf	88.1%	166 sf	1,090 sf
402	1BR	752 sf	51 sf	817 sf	92.0%	135 sf	887 sf
403	Studio	390 sf	0 sf	434 sf	89.9%	70 sf	460 sf
404	1BR	663 sf	0 sf	727 sf	91.2%	119 sf	782 sf
405	2BR	917 sf	40 sf	997 sf	92.0%	164 sf	1,081 sf
501	2BR	959 sf	61 sf	1,046 sf	91.7%	172 sf	1,131 sf
502	1BR	752 sf	51 sf	817 sf	92.0%	135 sf	887 sf
503	1BR	833 sf	0 sf	910 sf	91.5%	149 sf	982 sf
504	2BR	1,147 sf	40 sf	1,229 sf	93.3%	205 sf	1,352 sf



Vertical Assembly: Designing an envelope that meets fire-safety and water ingress requirements