

BUILDING PERMIT APPROVAL

THIS PROJECT HAS DEMONSTRATED CONFORMANCE WITH APPLICABLE
CODES AND STANDARDS ESTABLISHED BY STATUTE AND UNIVERSITY
POLICY. BASED ON THIS DETERMINATION THESE DOCUMENTS ARE

APPROVED FOR
CONSTRUCTION

KASSIDY D. BANDUCCI
Campus Deputy Building Official
California State Polytechnic University, Humboldt

Date: May 01. 2025

Permit No. 2024/25-025

Controllin Fermit is not on official Notice to Proceed. Controction permit shell become involid unless the work on the site cumbrated by such permit is commenced within 365 days offer its issuance, unless the permite has been demonstrated by such permit a permit appreciation of a permit in writing and demonstrate justificable cause for the catession. The building official may grant, in writing, or or more extensions of lime for periods of nor more train 180 days per extension.

OTHER APPROVALS, AS APPLICABLE:

DES APPROVAL SEISMIC PEER REVIEW

MECHANICAL PEER REVIEW

MECHANICAL PEER REVIEW

CAL POLY HUMBOLDT AQUATIC CENTER

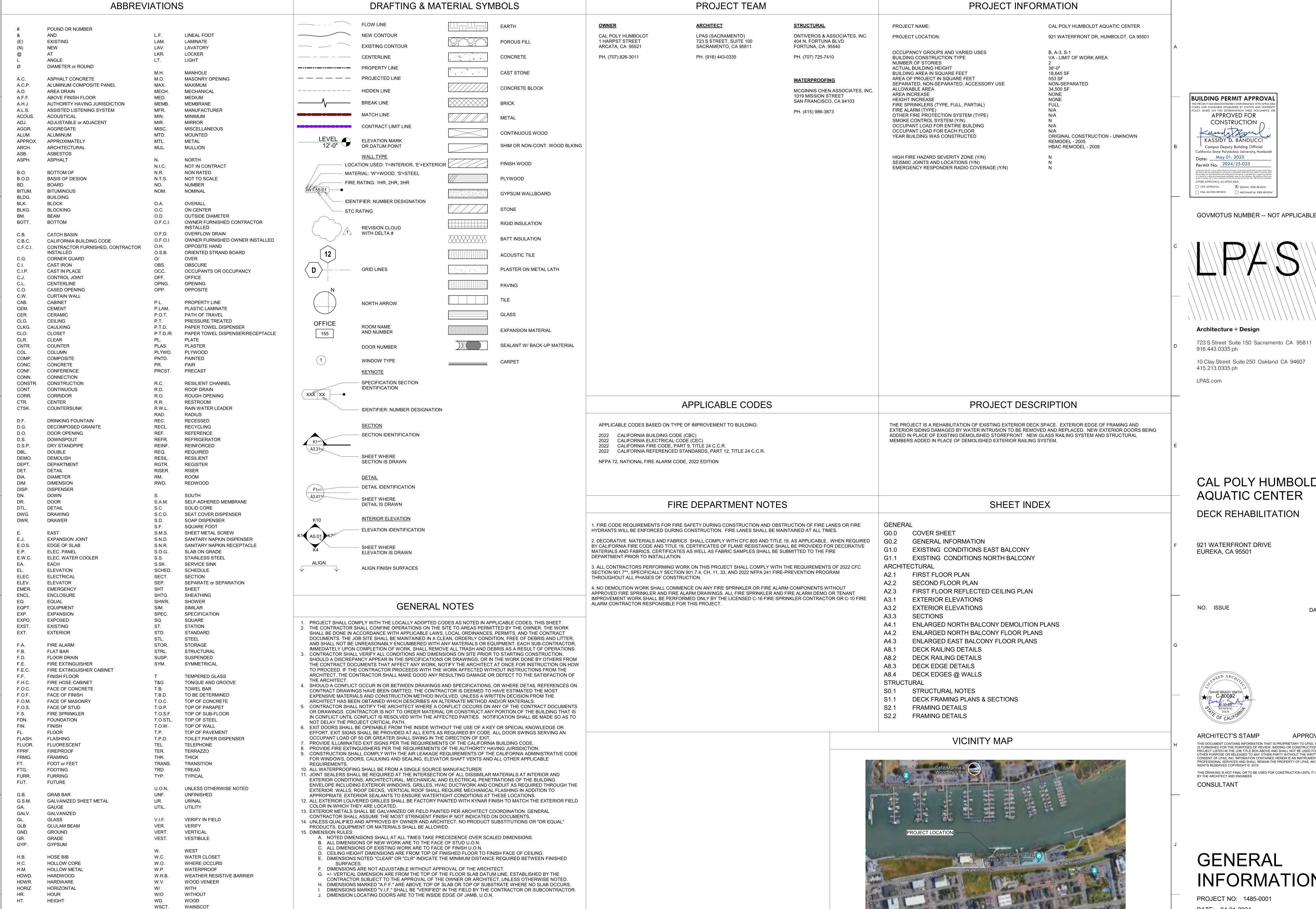
DECK REHABILITATION

921 WATERFRONT DRIVE EUREKA, CA 95501

100% CD's 04-01-2024

Architecture + Design
723 S Street Suite 150 Sacramento CA 95811 ph 916 443 0335
49 Geary Street Suite 520 San Francisco CA 94108 ph 415 213 0335 LPAS.com
Making Buildings Together

PROJECT NO. 1485-0001



WEIGHT

INSIDE DIAMETER

ACCESSIBILITY INSULATION INTERIOR

JANITOR

KNOCK DOWN

JOINT

I.S.A.

JAN.

INTERNATIONAL SYMBOL OF

CAL POLY HUMBOLDT **AQUATIC CENTER**

DECK REHABILITATION

921 WATERFRONT DRIVE



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GENERAL INFORMATION

PROJECT NO: 1485-0001 DATE: 04-01-2024

SHEET NO:

G0.2









DSA ACCESS REVIEW MECHANICAL PEER REVIEW

GOVMOTUS NUMBER -- NOT APPLICABLE

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BY THE ARCHITECT AND ENG

EXISTING CONDITIONS EAST BALCONY

PROJECT NO: 1485-0001 DATE: 04-01-2024

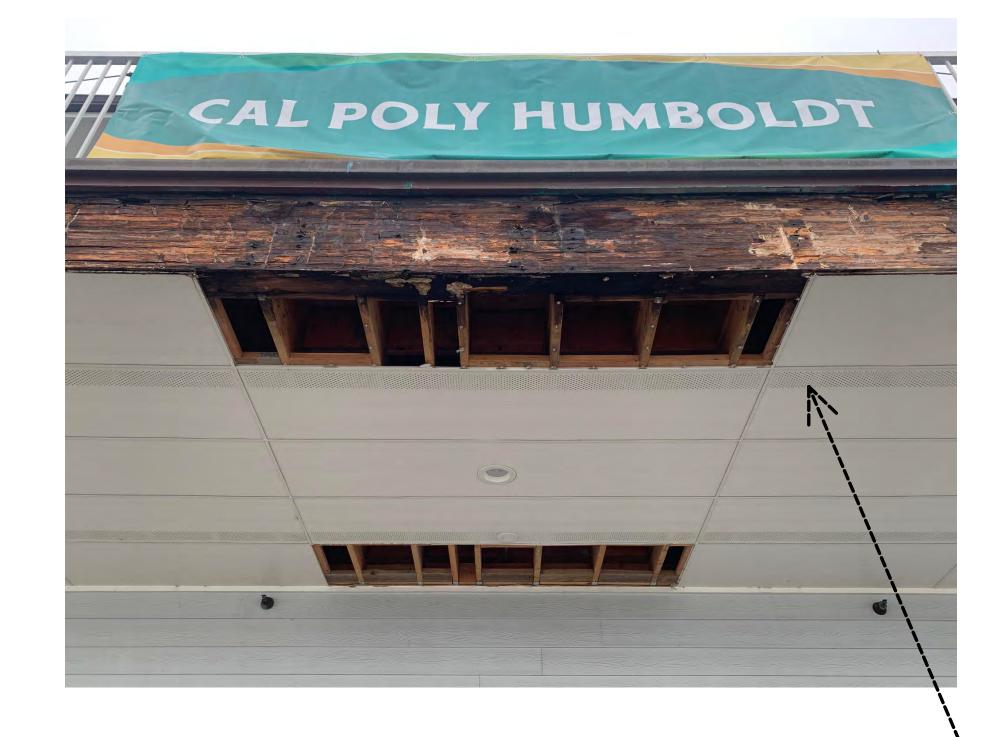
SHEET NO:

G1.0

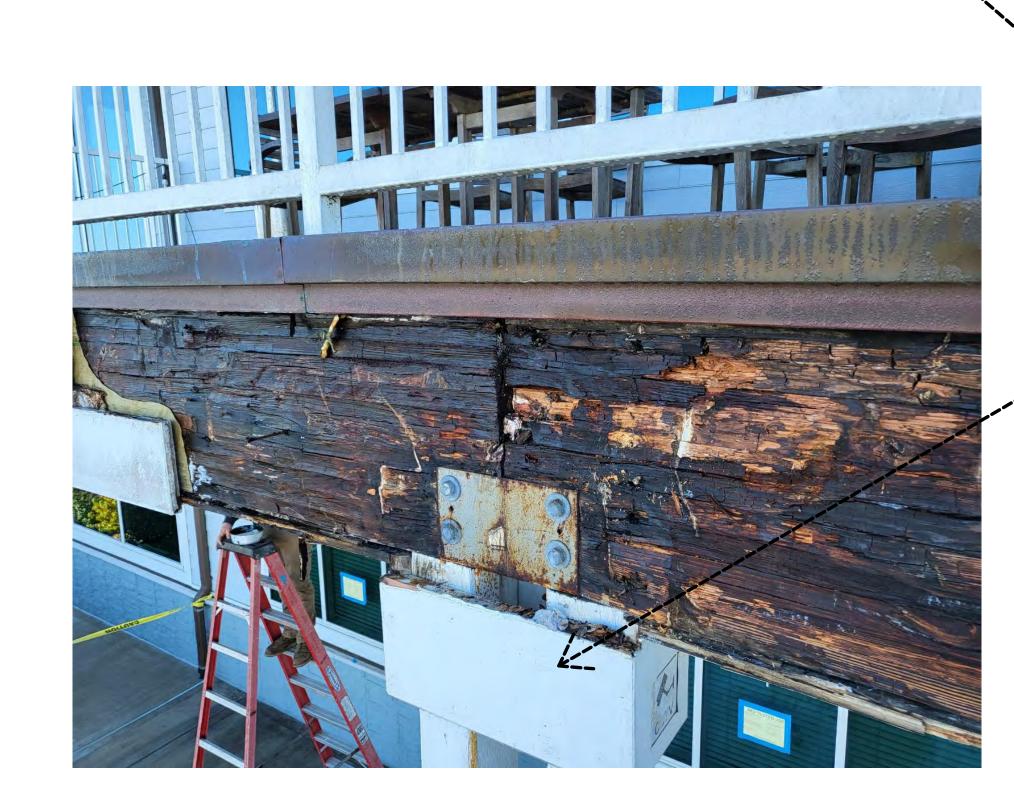


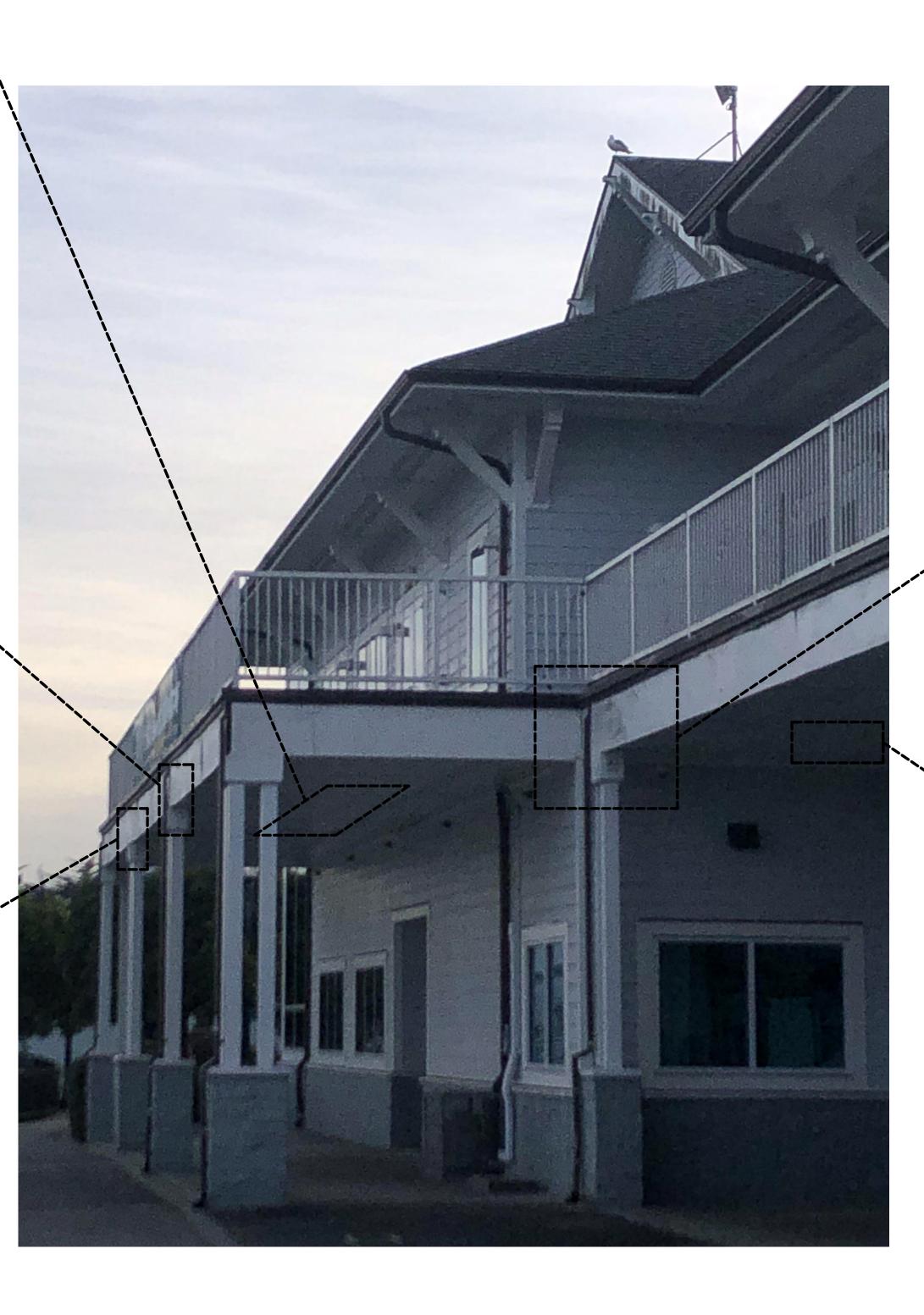




















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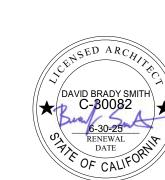
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CONSULTANT

EXISTING CONDITIONS NORTH BALCONY

PROJECT NO: 1485-0001 DATE: 04-01-2024

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G1.1

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DATI

DAVID BRADY SMITH
C-30082

6-30-25
RENEWAL
DATE
OF CALLFORM

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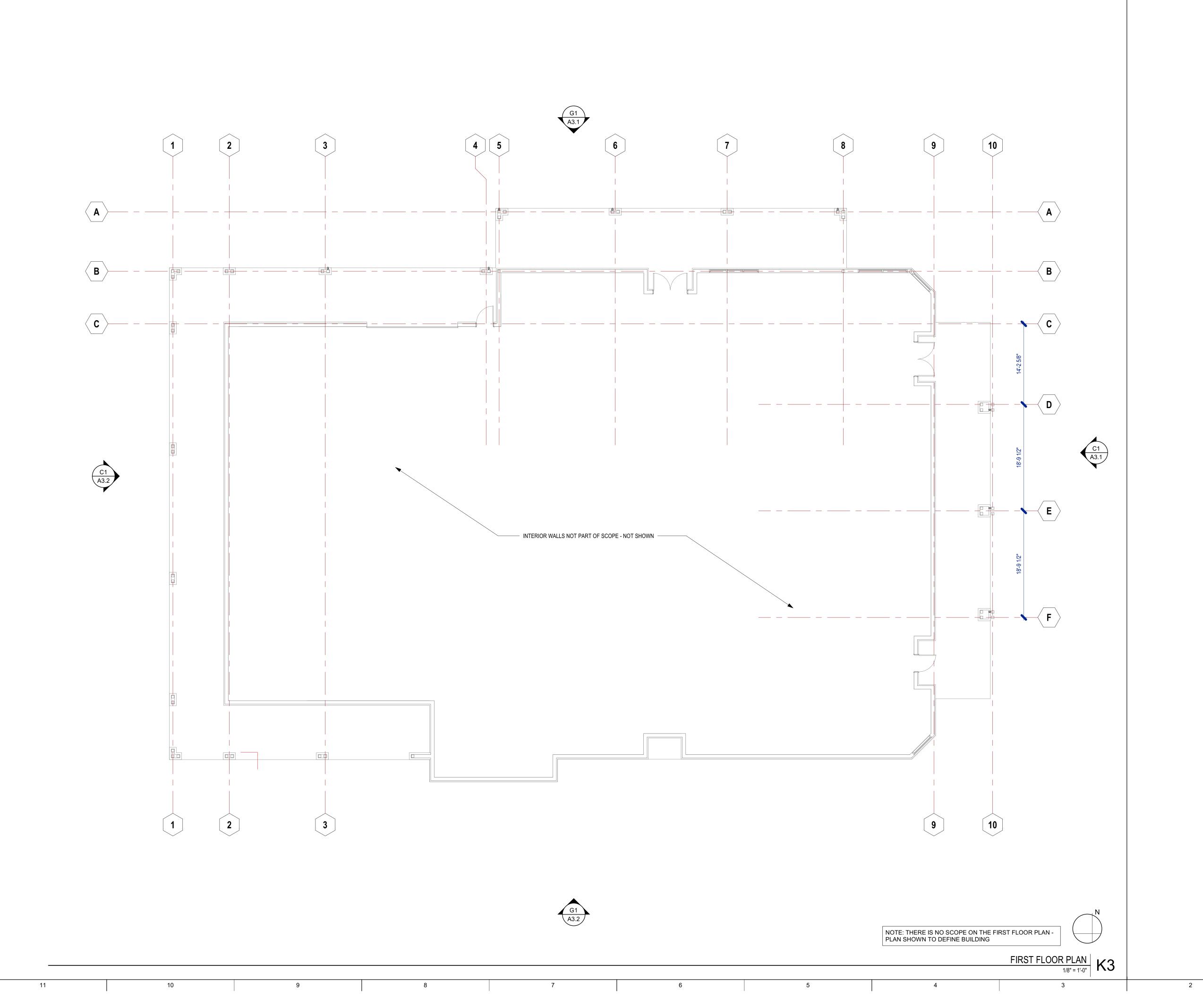
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FIRST FLOOR PLAN

PROJECT NO: 1485-0001 DATE: 04-01-2024

SHEET NO:

A2.





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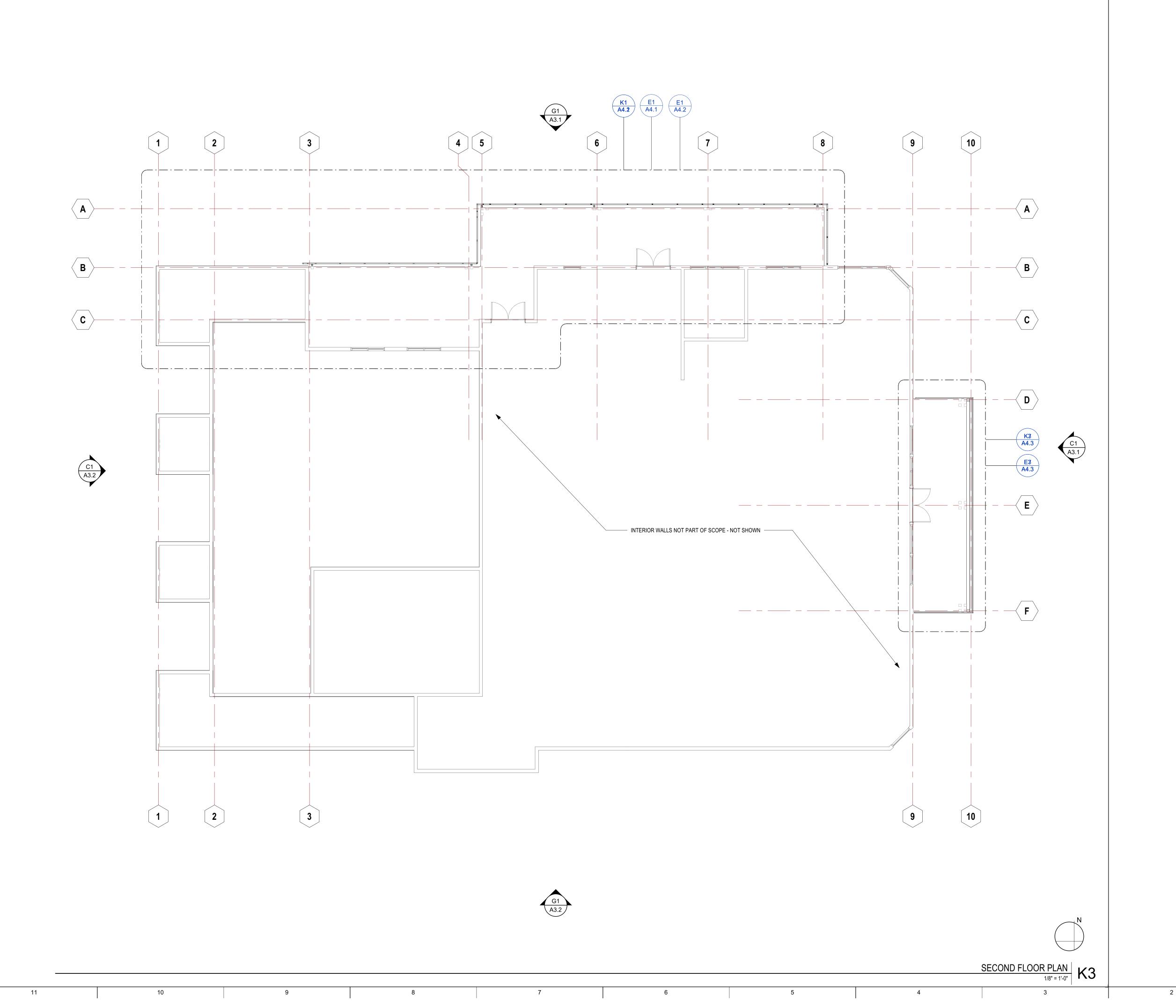
CONSULTANT

SECOND FLOOR PLAN

PROJECT NO: 1485-0001 DATE: 04-01-2024

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A2.2





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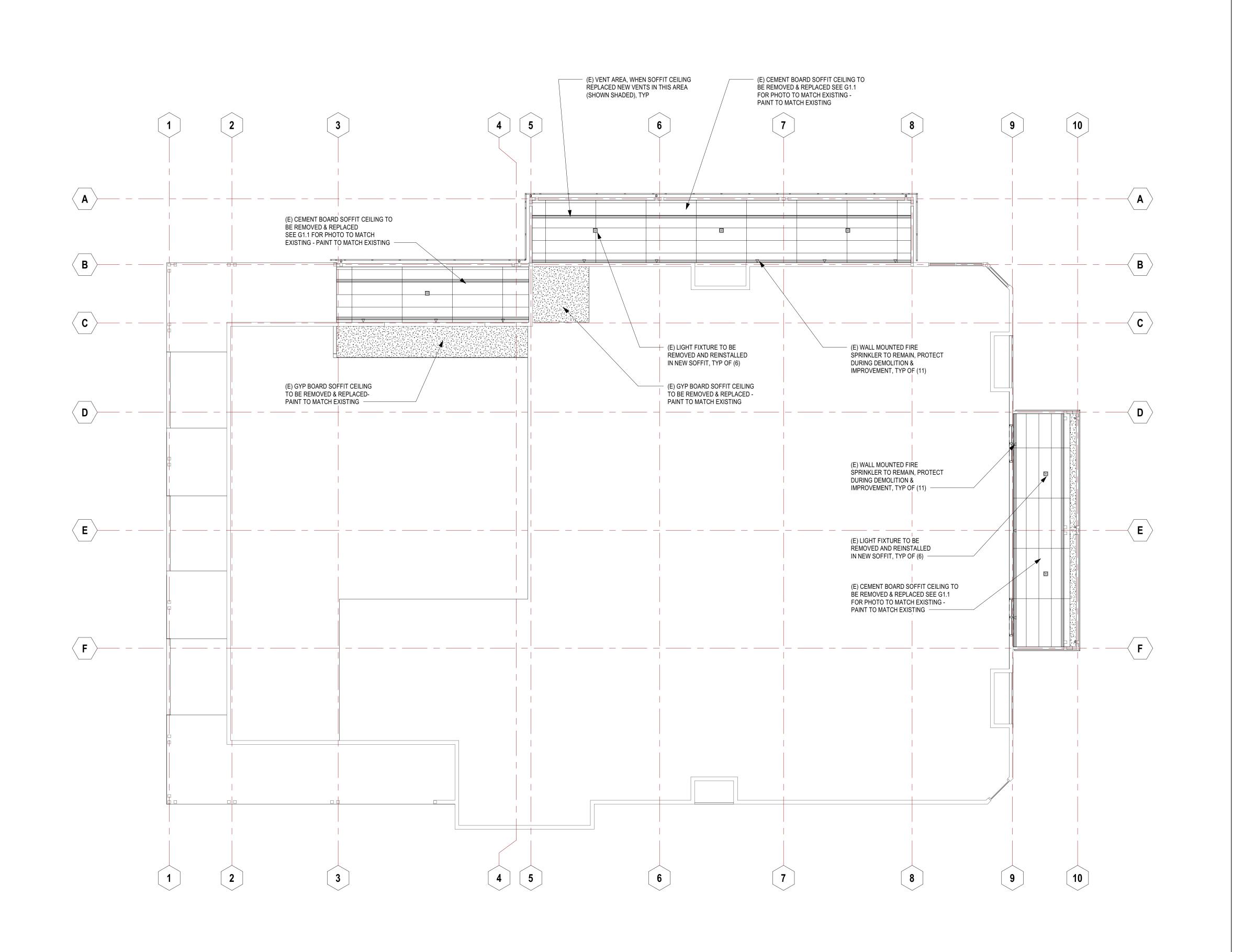
FIRST FLOOR REFLECTED CEILING PLAN

PROJECT NO: 1485-0001 DATE: 04-01-2024

SHEET NO:

FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

A2.3





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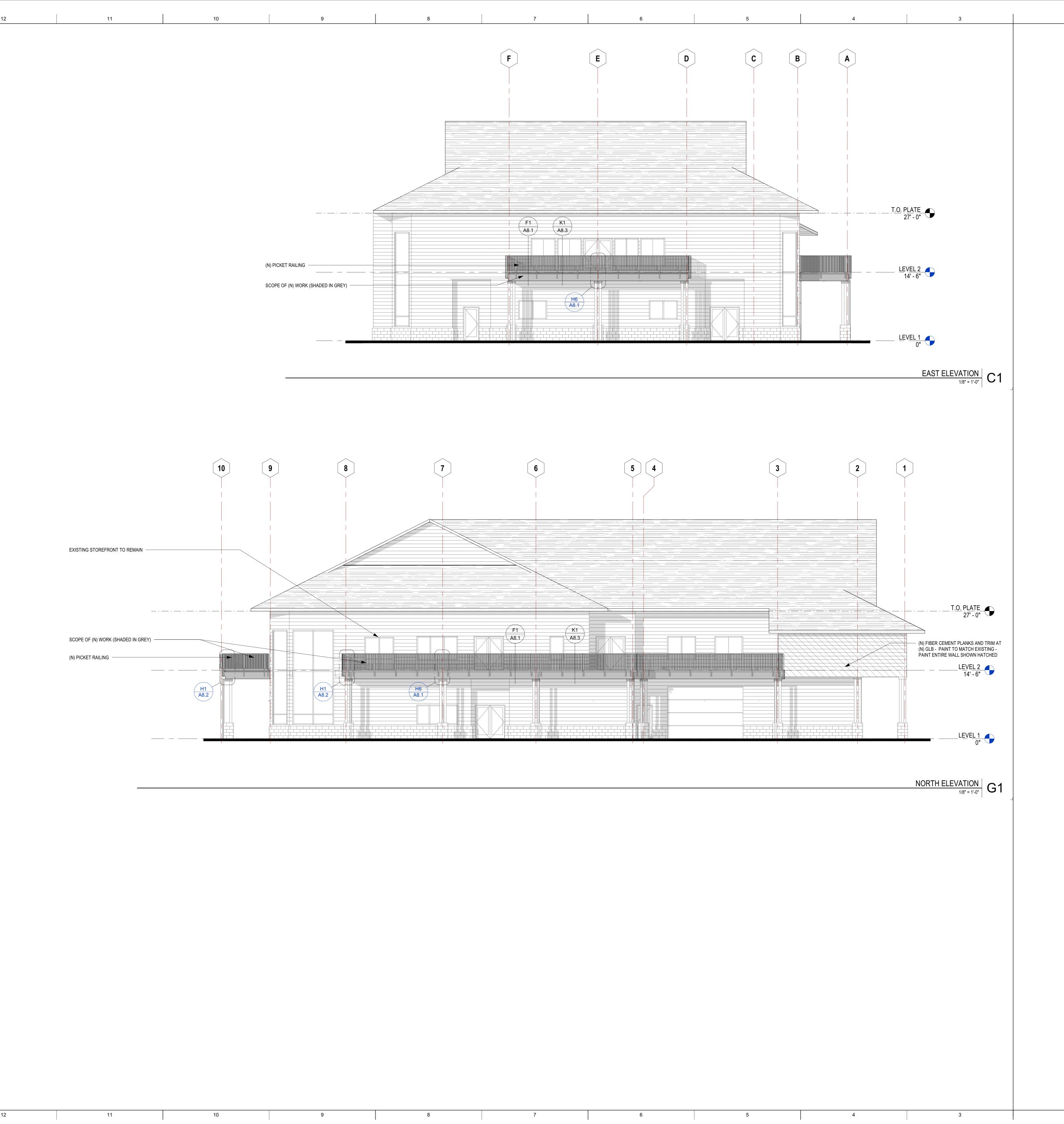
CONSULTANT

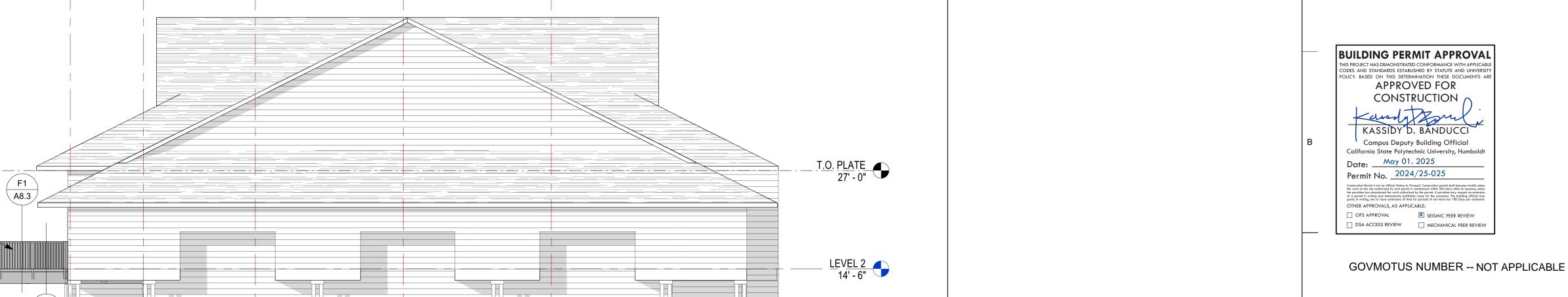
EXTERIOR ELEVATIONS

PROJECT NO: 1485-0001 DATE: 04-01-2024

SHEET NO:

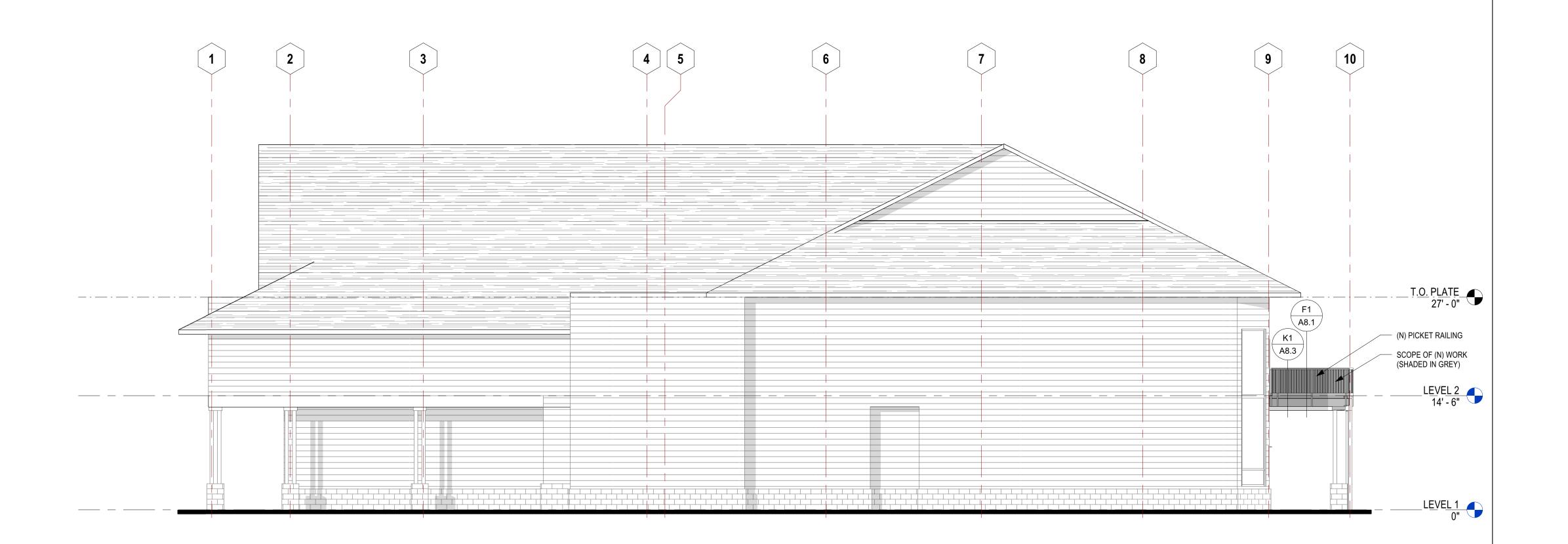
A3.1





WEST ELEVATION
1/8" = 1'-0"

SOUTH ELEVATION | G1



(N) PICKET RAILING

SCOPE OF (N) WORK (SHADED IN GREY)

A8.3

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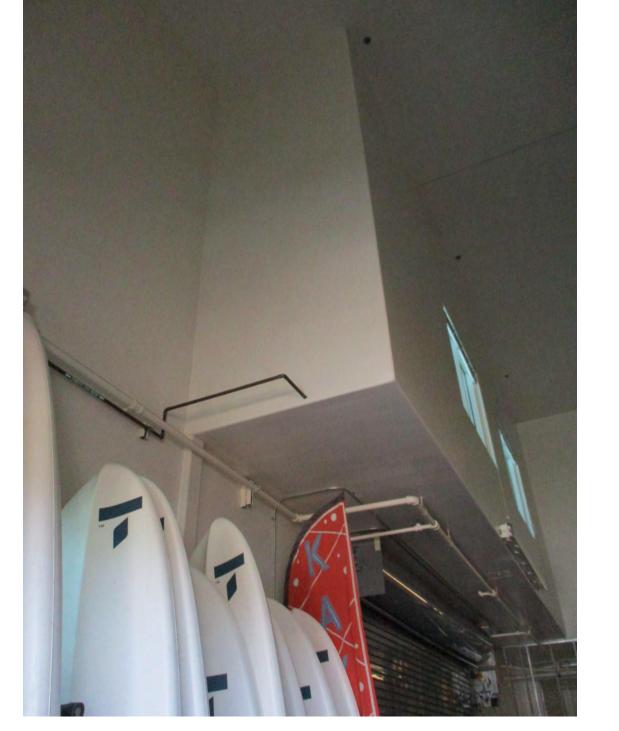
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EXTERIOR ELEVATIONS

PROJECT NO: 1485-0001 DATE: 04-01-2024

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A3.2







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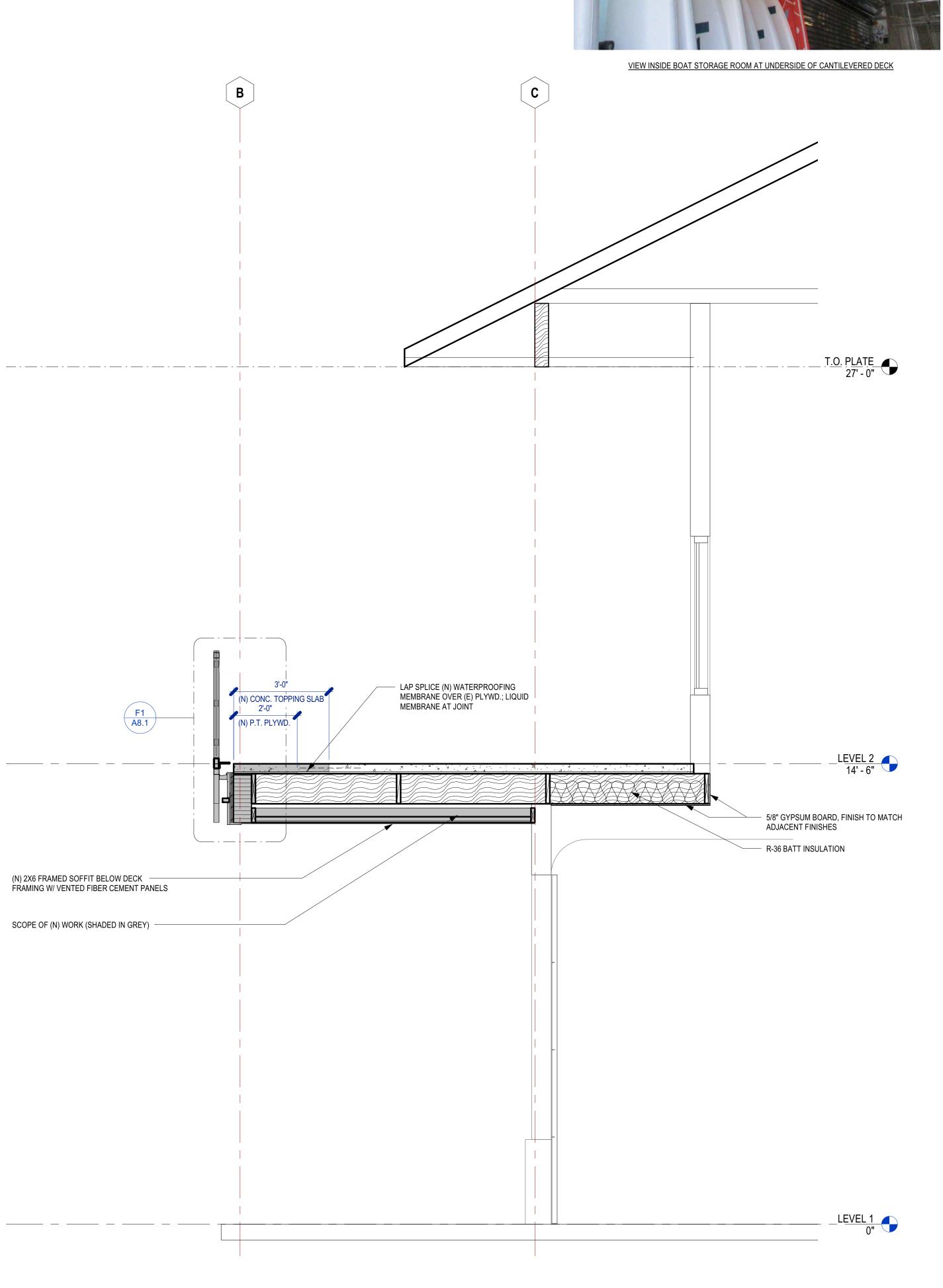
CONSULTANT

SECTIONS

PROJECT NO: 1485-0001 DATE: 04-01-2024

SHEET NO:

A3.3

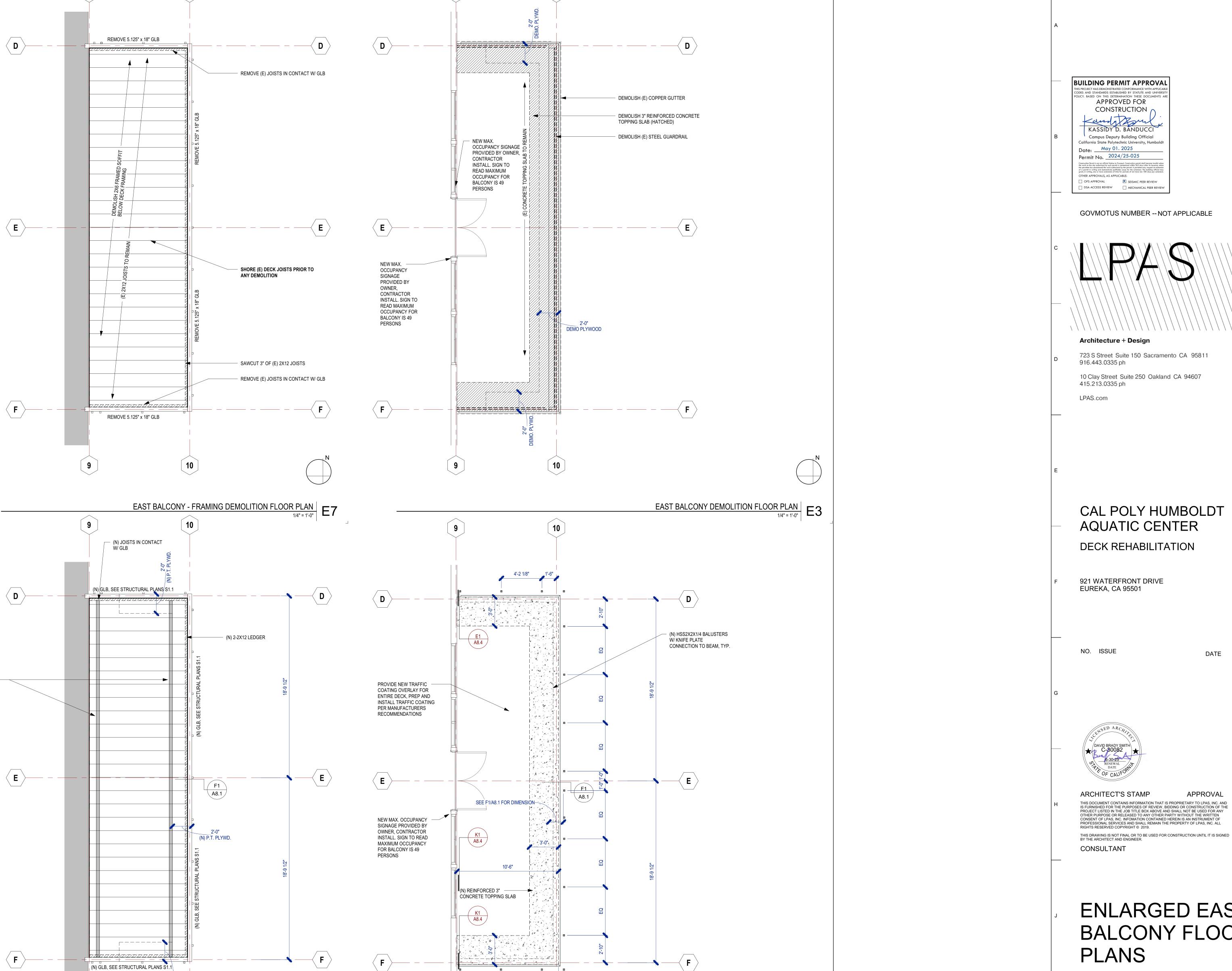


WALL SECTION AT CANTILEVERED DECK

1/2" = 1'-0"

K1

100% CD's



10'-4 1/2"

EAST BALCONY REHABILITATION FLOOR PLAN

1/4" = 1'-0"

K3

PROVED CONTINUOUS 4" WIDE REMOVABLE SOFFIT VENT FOR PERIODIC INSPECTIONS

(N) GLB, SEE STRUCTURAL PLANS S1.1

10'-4 1/2"

EAST BALCONY - NEW FRAMING FLOOR PLAN

1/4" = 1'-0"

K7

ENLARGED EAST BALCONY FLOOR **PLANS**

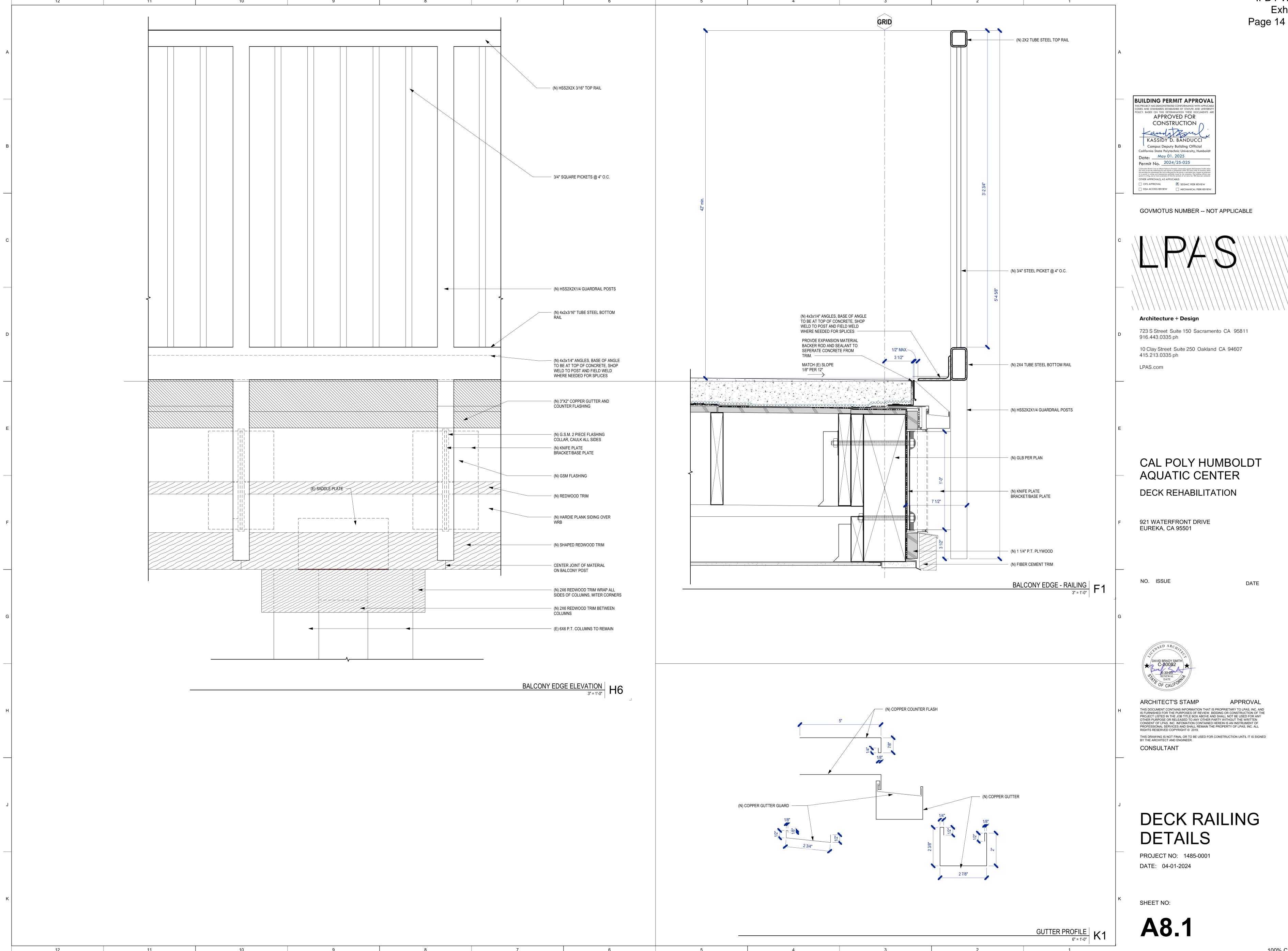
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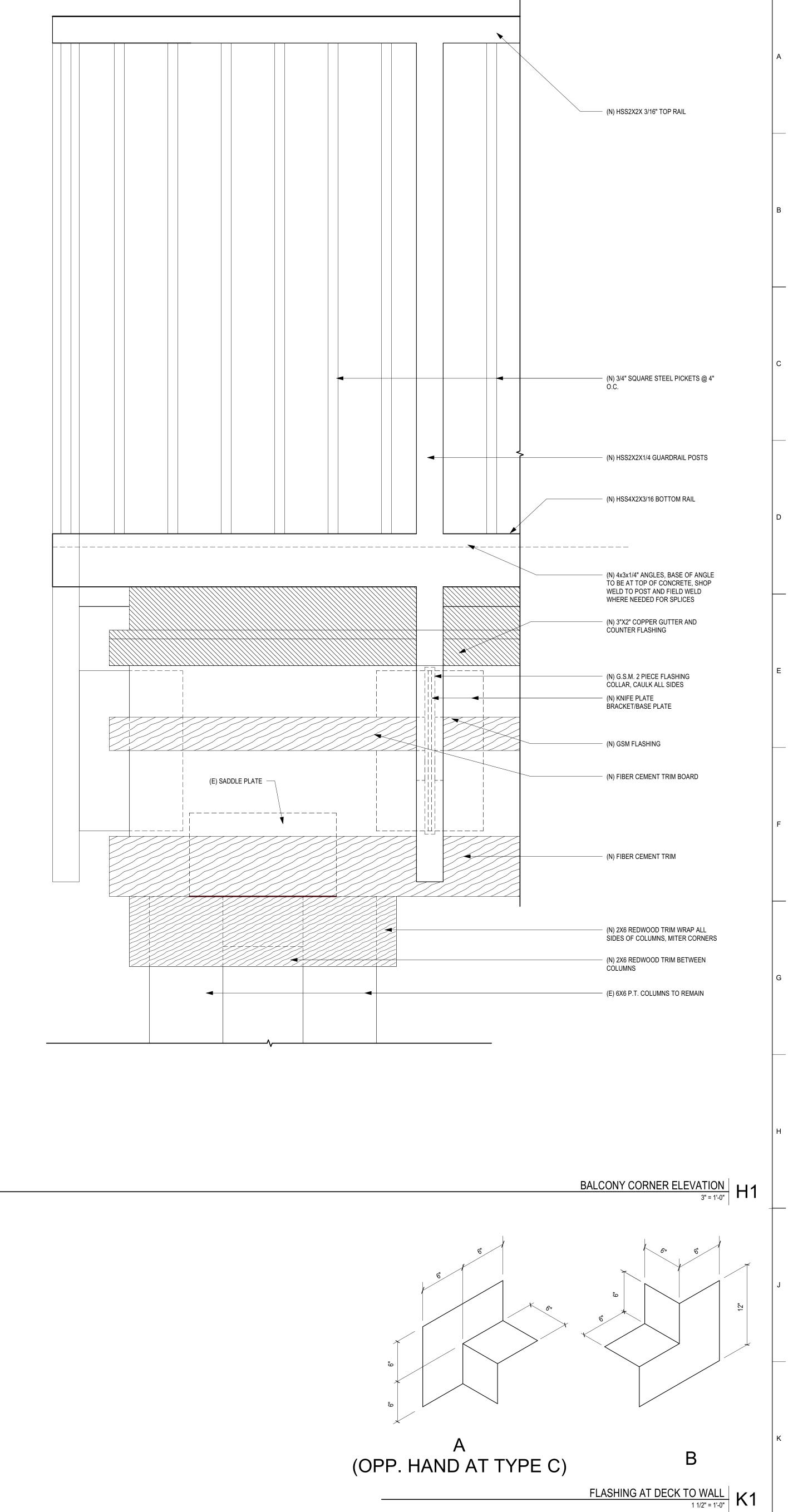
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PROJECT NO: 1485-0001 DATE: 04-01-2024

SHEET NO:

A4.3





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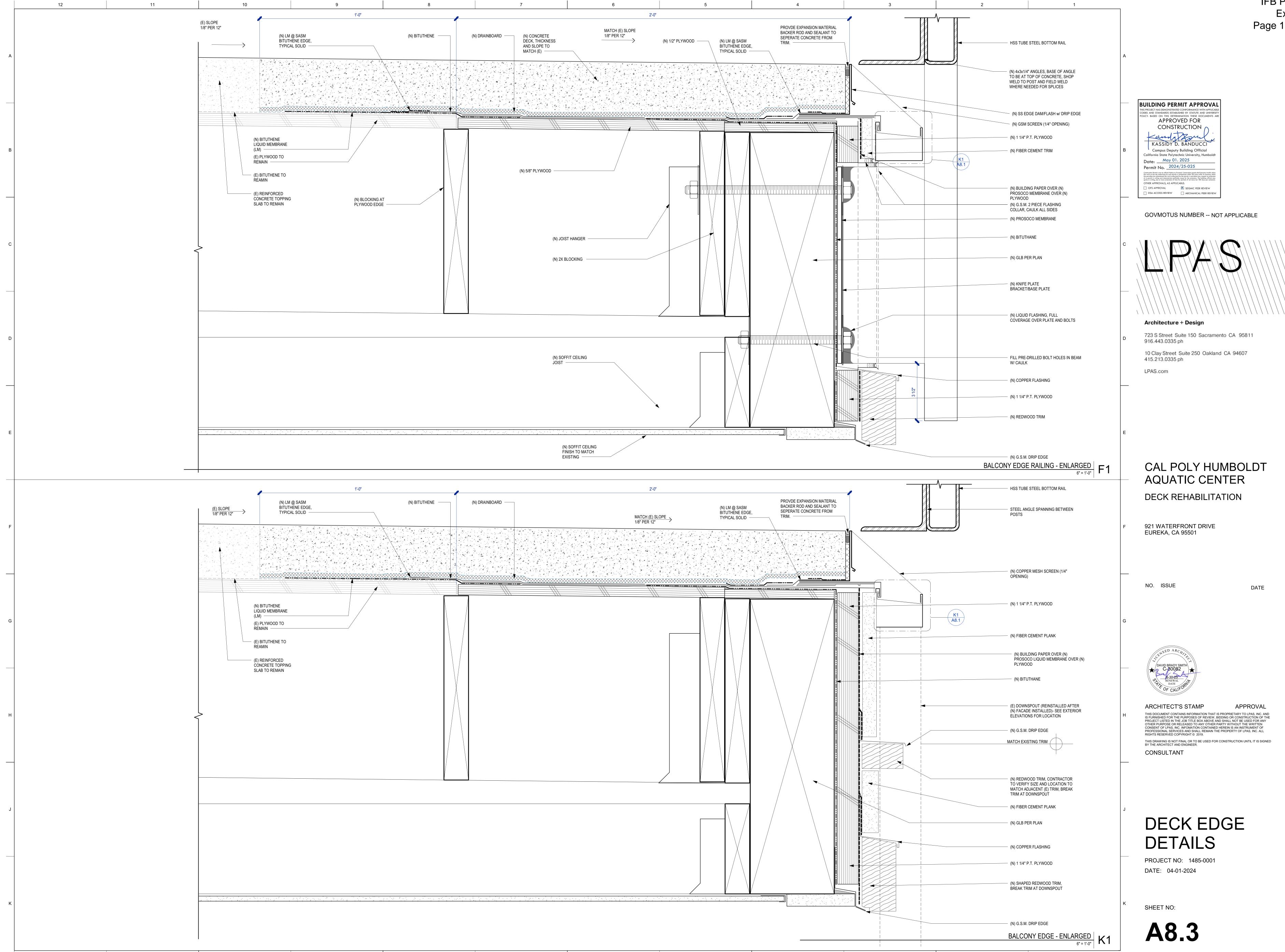
CONSULTANT

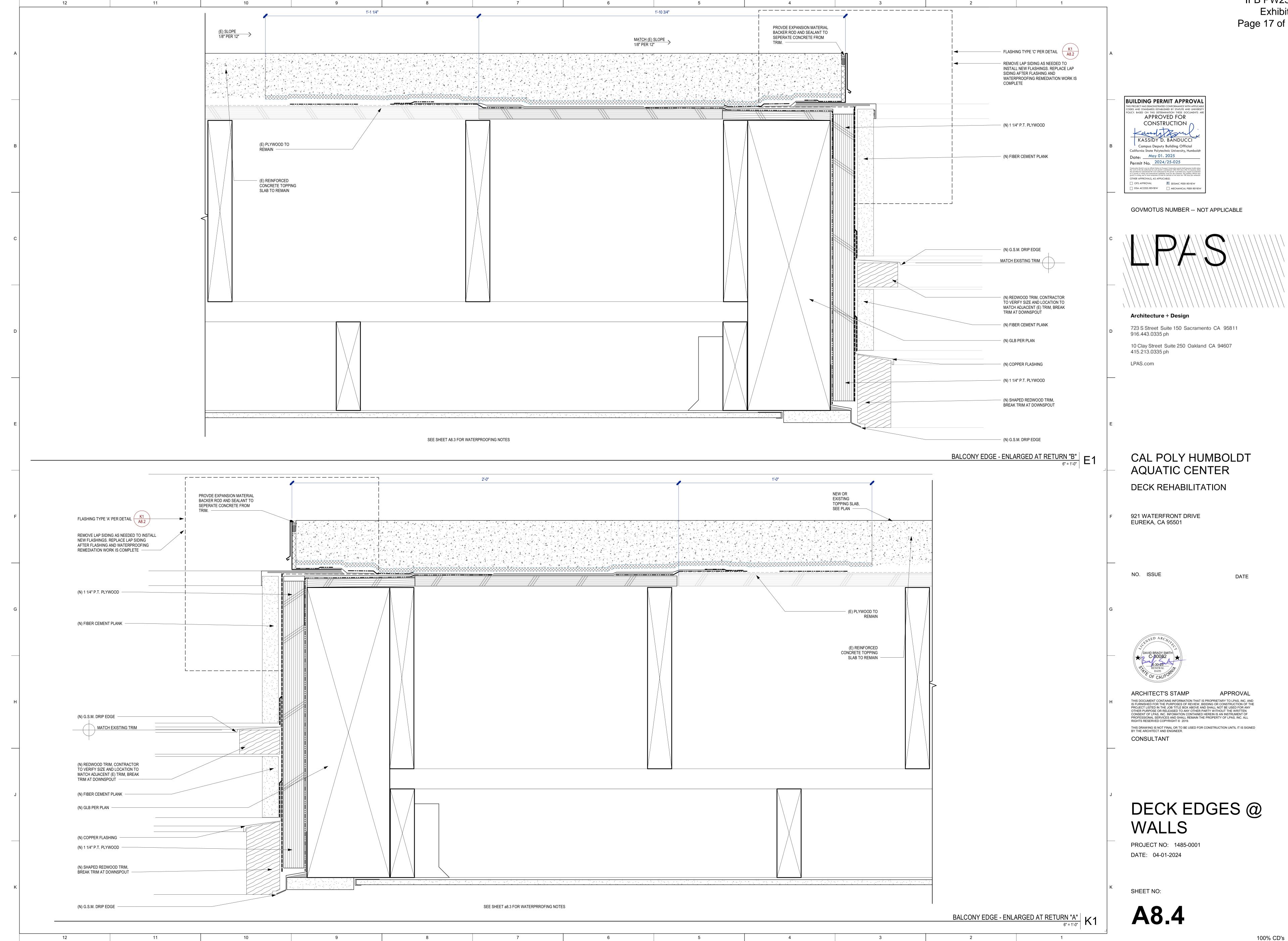
DECK RAILING DETAILS

PROJECT NO: 1485-0001 DATE: 04-01-2024

SHEET NO:

A8.2





STRUCTURAL DESIGN BASIS

= 100 psfDeck Live Load

=45 psfDeck Dead Load

Deck Rail Live Load = 200 lb point load at any point on Top Rail = 50 plf along Top Rail (non-concurrent with Point Load) Deck Rail Dead Load = 40 plf

WIND ANALYSIS - ASCE 7-16 C&C Design Wind Speed 92 mph Exposure Exposure C Risk Category Max Wall Wind Load: Wall 24 psf

INTENT OF DRAWINGS AND NOTES

- 1. The intent of these drawings is to show the repair work for the decks as shown on the original plans.
- General notes apply to all parts of the work except where specifically detailed or
- Resolve any conflicts on the plans the engineer before proceeding with construction. Dimensions take precedence over scale of drawings.
- The structural drawings show only the basic structural frame. Refer to the Architectural drawings for non-structural items which require special provisions during the construction of the structural frame.

GENERAL NOTES

- 1. All work shall conform to the requirements of the 2022 California Building Code and/or prevailing local codes. Compliance with additional noted standards shall be to the most recently accepted/published standards, as approved by the governing
- The drawings were prepared in a manner consistent with existing professional standards and with the understanding that these drawings would be used solely by qualified and experienced construction and/or design professionals for use in the construction of this specific project only. The details indicated on these plans represent general typical details required for communicating this project design intent to such qualified construction professionals and as such may not include all the details necessary for the final completion of the project.
- Building dimensions shown are for general reference only. See Architectural drawings (SAD) for all actual building dimensions. Any discrepancies to be brought to the attention of the Designer/Engineer so clarification can be made prior to commencing work. All dimensions related to existing conditions shall be verified by the contractor and submitted in writing to the Designer/Engineer for review prior to construction.
- Drawings shall NOT be scaled. All dimensions shall be determined and verified by the contractor prior to commencing work.
- Elevations on plans and details are to heights above finished ground floor elevation reference 0'-0".
- The contractor shall notify the engineer of record in writing immediately of any apparent discrepancies or possible omissions in detailing prior to starting the work. Contractor shall take full responsibility for the consequences of proceeding without written clarification from the EOR relative to any such apparent discrepancies including potential removal and/or replacement of incorrectly installed elements.
- The structure has been designed to be stable and self-supporting after the construction is complete. It is the contractor's sole responsibility for the building's stability during construction. This responsibility also includes but is not limited to method and sequence of erection, temporary shoring and temporary bracing.
- It is the contractor's sole responsibility to follow all applicable safety codes and regulations during all phases of construction.
- Should any information on the structural drawings conflict with the specifications or any other part of the drawings, the contractor shall notify the engineer and an interpretation will be given.
- 10. All sections, details, notes, dimensions and conditions are applicable at any other location where conditions and details are similar but are not specifically noted as such or are not shown.
- Contractor shall remain solely responsible for scheduling submittal of required shop drawings and/or substitutions so as not to delay construction. Contractor shall allow a minimum of 10 working days for the review of any one submittal beginning upon C.E.R.'s receipt of the submittal. Incomplete or deficient submittals may be returned without review.
- Any substitutions shall be submitted to the Engineer prior to installation, shall have previous approval from the governing building department, and shall have either an International Conference of Building Officials research report or a National Evaluation Report.
- 13. Shop drawings for all structural items shall be submitted to the engineer prior to fabrication and construction. Such Items include: Structural Steel Members and Assemblies Glulam Beams
- Shop drawings or contractor engineered details shall bear the seal and signature of a registered engineer in the state of California if they differ from the design of the structural drawings. Any revision from the structural drawings shall be submitted to the engineer for review and is subject to the review and acceptance by the engineer.

CONCRETE & FOUNDATION

- All work to conform to the requirements of the ACI "Building Code Requirements for Reinforced Concrete" (ACI 318-latest edition) and "Details and Detailing of Concrete Reinforcement" (ACI 315-latest edition).
- Concrete minimum ultimate compressive strength at 28 days: A. Deck Topping 2500 psi
- Cement shall be tested, type II portland conforming to ASTM C150.
- Prior to placing concrete, mix designs shall be submitted for review.
- Concrete surface shall be troweled smooth and have a Broom Finish.

GLUE LAMINATED MEMBERS

- This section includes the design and supply of the structural glued laminated timber (glulam) on this project, complete with the design and supply of all glulam to glulam connecting steel and hardware. Structural glued laminated timber shall be furnished as shown on the plans and in accordance with the following specifications.
- Shop Drawings: Show layout of glulam system and full dimensions of each member. Indicate species, laminating combination, size and shop performed fabrication of each member.

be exposed to view in the completed structure. Submit Certificates of Conformance indicating

All glulam materials shall conform to the requirements of ANSI/AITC A190.1 and be stamped with an AITC quality mark or an APA-EWS trademark. Place stamps on surfaces that will not

that the glulam members conform to the requirements of ANSI/AITC A190.1

- Glulam members shall be manufactured from Douglas Fir laminating lumber.
- Adhesives used in the glulam manufacturing process shall conform to AITC 405 for wet use
- Simply supported beams shall be combination symbol 24F-V4. Cantilever beams and those continuous over a support shall be 24F-V8. .
- Sizes of glulam members shall be as shown on the drawings. The depth designated for shaped members refers to the depth at the bottom of the top shape. Add additional laminations as required to provide for depth of top shape.
- Member not exposed to view in the completed work shall be Industrial Appearance Grade.
- Provide camber for each glulam beam as indicated on the drawings. For members with no camber indicated, provide a radius of 1800'.

WOOD STRUCTURAL PANELS

- Structural panels shall be installed based on the recommendations of the American Plywood Association and/or the specific manufacturer of the plywood.
- Typical Deck Sub-Floor Sheathing: min. 3/4" 5-PLY APA Structural Sheathing (48/24) Plywood and nailed with 10d @ 6"oc edges and 12"oc field. UNO
- Plywood shall be Pressure Treated.
- All floor sheathing shall be installed with the face grain perpendicular to the supports and a 1/8" gap at all panel edges unless recommended otherwise by the panel manufacturer. Panel edges shall be blocked as indicated on the plans. Sub-floor sheathing shall be glued down to the supporting members.
- All structural panel nailing shall be with common nails of the size specified on the plans. All nails that are not exposed to the elements but in contact with preservative treated lumber shall be minimum hot-dipped galvanized meeting
- EN indicates Plywood Edge Nail along total length of member.
- All necessary steps shall be taken to ensure that the installed structural panel remains dry prior to covering with the applicable finishes.

WOOD FRAMING NOTES

- All work to conform to the requirements of the "national design specification for wood construction" (ANSI/AWC NDS-2018) as recommended by the American Forest & Paper Association.
- All lumber shall be graded and grade stamped by an agency Certified by the Board of Review of the American Lumber Standards Committee and manufactured in accordance with Product Standard 20-70, as published by the Department of Commerce.
- The standard wood details and the nailing, etc., called for in these notes are minimum requirements and will apply to all work except where more stringent requirements are shown elsewhere. All wood construction shall be in accordance with chapter 23 of the 2019 CBC.
- 4. All lumber shall be Douglas Fir-Larch, or equivalent species. Lumber shall be of the following grades UNO on the plans: 2x/3x Studs & Plates
 - DF#2. 2x/4x Framing Members DF#1. 6x & larger Beams and columns
- All structural lumber shall have a moisture content of less than 19% at the time of construction.
- Nailing for all connections not specifically noted shall conform to table 2304.10.1 of the 2022 CBC.
- All bolts and lag screws in conjunction with wood construction shall conform to ASTM A307. Holes in wood shall be a minimum of 1/32" to a maximum of 1/16" larger than the bolt diameter, and except where larger plate or structural steel is attached, shall have the following minimum size plate washers installed under both heads and nu

nuts:		
	Bolt Size	Plate Size
	1/2" dia.	3/16" x 2" sq
	5/8" dia	1/4" x 2-1/2" so
	3/4" dia	5/16" x 2-3/4" s
	7/8" dia	5/16" x 3" sq
	1" dia	3/8" x 3-1/2" so

- All bolts, lag screws, or other timber connectors shall be installed in conformance with the National Design Specification for Wood Construction of the National Forest Products Association, unless otherwise noted.
- Framing connections shall be Simpson "Strong Ties" of the catalog designations indicated or proven equivalent. A common nail of the size designated in the catalog shall be provided in each hole unless alternate bolting is noted on the drawings or otherwise noted. All connectors detailed for bolts shall have detailed bolts installed. All Simpson Strong-Tie connectors shall be installed per catalog C-C-2024 requirements. Equivalent connections of other manufacturers having the same capacity and having ICBO approval may be used.
- 10. Framing connections in contact with preservative treated wood shall be hot dipped zinc-coated galvanized steel, stainless steel or mechanically deposited zinc coated
- 11. All nails to be standard common full length nails with full heads, meeting the requirements of Federal Specification FF—N-105B (Reference 25). 8d = 0.131" shank diameter 10d = 0.148" shank diameter

16d = 0.162' shank diameter

- Nails into pressure treated material to be galvanized. Nails must not be overdriven. See specifications for machine nailing requirements. See CBC Table 2304.10.1 for other requirements.
- Several of the Wood Framing Metal connectors are exhibiting rust on their surfaces. If any of the rust has caused the surface to flake or has caused pitting, then the connector shall replaced in its entirety. If the surface of the connector is rusted and the connector will not be replaced, the surface of the connector shall be cleaned to completely remove the rust. The connector shall then be hot dip galvanized.

REINFORCING STEEL

- 1. Reinforcing Steel detailing, fabrication, and placement shall conform to the California Building Code", Chapter 19; the "Manual of Standard Practice of the Concrete Reinforcing Steel Institute", latest edition; and the "Building Code Requirements for Structural Concrete and Commentary", ACI 318-19; unless otherwise noted.
- Standards:
- a. Reinforcing steel shall conform to the following standards:
- 1. Deformed Bars, #3.....ASTM A615, Grade 40 2. Deformed Bars, #4 and larger.....ASTM A615, Grade 60
- Placing
- A. All steel reinforcement shall be securely tied in place so as to maintain their exact position before and during the placement of concrete. Reinforcing steel shall be securely tied in place with #16 annealed iron wire. Bars in beams and slabs shall be supported on well -cured concrete blocks or approved plastic tipped metal chairs, as specified by CRSI Manual of Standard Practice, MSP -1. Accessories for epoxy-coated reinforcing, where shown on plans, shall be as noted in the Specifications. Wire fabric in slabs shall be securely fastened to supporting devices to maintain their position during concrete placement.
- 4. Lap bars 48 diameters, 24" minimum, unless otherwise noted.

n. Unformed surfaces in contact with earth

- 5. Clear distances, steel to forms, unless noted otherwise: a. Slabs not exposed to weather, joists, interior wall surfaces b. Exterior wall surfaces, slabs exposed to weather, #5 and smaller. 1-1/2" c. Exterior wall surfaces, slabs exposed to weather, #6 and larger d. Column Ties, Beam Ties e. Clear distance between bars f. Slabs on rolled grade 1-1/2" g. Formed surfaces in contact with earth
- 6. Shop drawings shall be submitted to the Engineer for review prior to fabrication. Shop drawings shall include elevations of all beams and columns showing bar and
- 7. See Shop Drawing Submittal Requirements elsewhere in General Notes. Submit mill certificates for reinforcing steel prior to rebar placement.

STRUCTURAL STEEL AND MISCELLANEOUS IRON

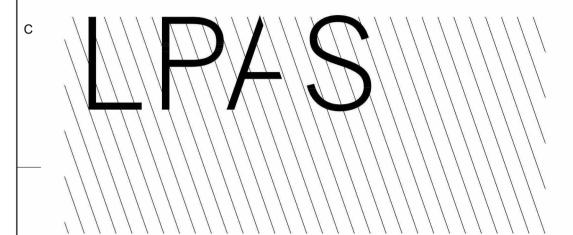
- 1. Structural Steel and Miscellaneous Metal shall be detailed, fabricated, and erected in accordance with AISC 325.
- 2. Standards: All Structural Steel shall conform to the following ASTM designations,
- a. HSS Rectangular and Square.......A500, Gr. B (Fy = 46 ksi)
- c. Other Steel Plates and Bars.....A36

3. See project specifications for finish of the steel railing elements.

- 4. Erection clips, temporary bracing, and shoring required by the Contractor are not shown. The contractor shall comply with all OSHA requirements.
- 5. Shop drawings shall be submitted to the engineer for review prior to fabrication.
- Welded Connections:
- a. All welded connections shall be welded in accordance with the "Structural Welding Code – Steel" (AWS-01.1). All welding shall be done with electrodes having a minimum tensile strength of 70 ksi, unless noted otherwise. Shielded metal arc welding (SMAW) electrodes shall be low-hydrogen type.
- Unless otherwise noted. b. All welders shall be qualified in accordance with AWS 01.1 for all welds they
- will be performing. c. The weld lengths called for on the structural drawings are the net effective length required. Where fillet weld symbol is given without indication of size,
- use the minimum size welds as specified in AISC 360, Section J2.2b. d. All welding shall be performed in conformance with a written welding procedure specification (WPS). Submit all WPS's applicable to the project for review listing specific electrodes to be used. The submittal shall include an
- index of all procedures, shall identify the actual electrode to be used for each procedure, and shall include electrode data sheets describing the products, the limitations of use, the recommended welding parameters, and storage and exposure requirements. For WPS's that are not prequalified per AWS Dl.1, submit procedure qualification record with WPS.
- e. All Butt welds are complete joint penetration welds. Complete penetration welds and partial penetration welds shall be examined by Ultrasonic Testing. All testing and inspection shall conform to CBC requirements. Refer to the specifications for additional information.

BUILDING PERMIT APPROVAL his project has demonstrated conformance with applicabl odes and standards established by statute and universit olicy, based on this determination these documents ar APPROVED FOR CONSTRUCTION (KASSIDY D. BANDUCCI Campus Deputy Building Official California State Polytechnic University, Humboldt Date: ___May 01. 2025 Permit No. <u>2024/25-025</u> OTHER APPROVALS, AS APPLICABLE: OFS APPROVAL SEISMIC PEER REVIEW DSA ACCESS REVIEW ____ MECHANICAL PEER REVIEW

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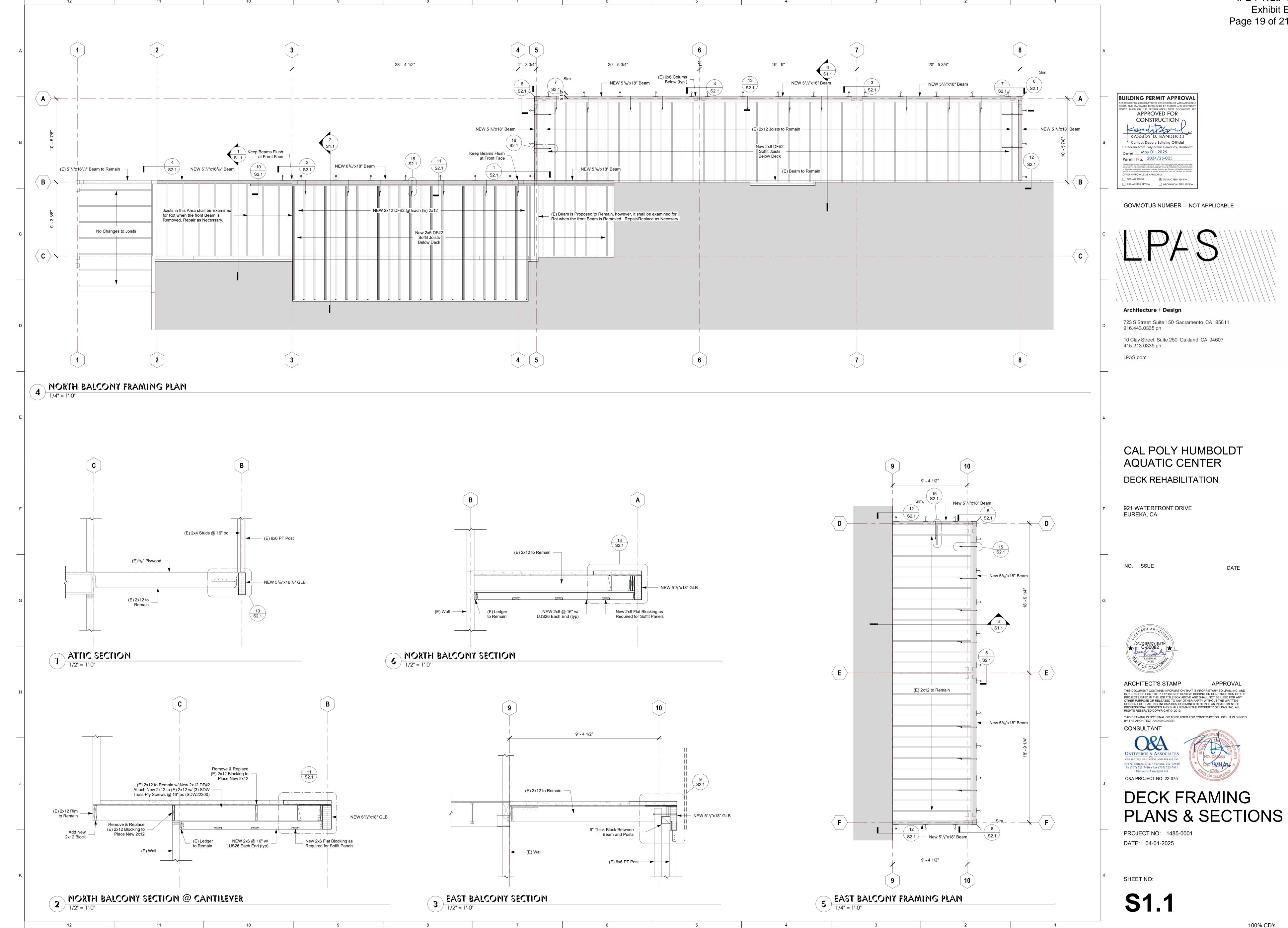


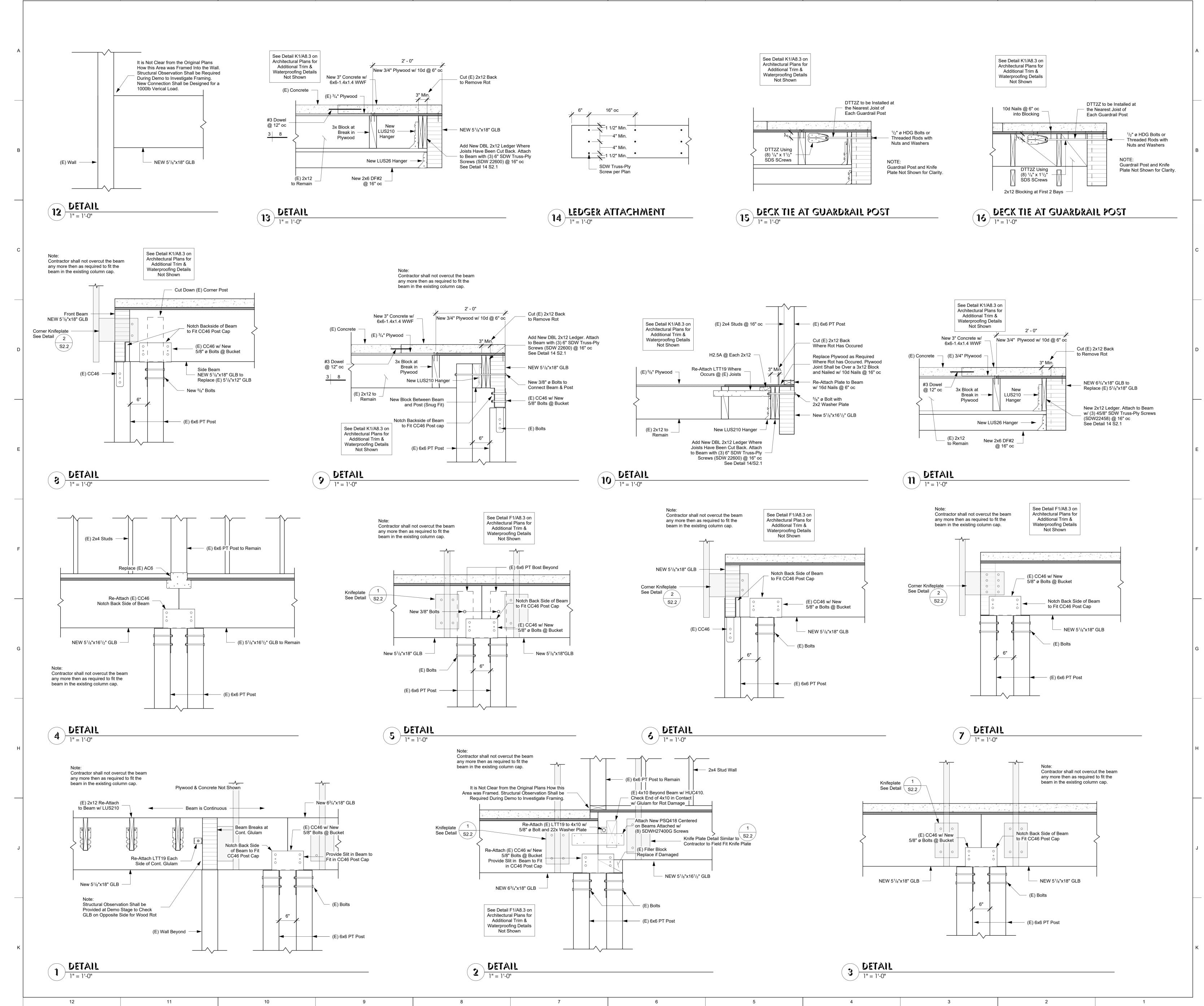
STRUCTURAL NOTES

PROJECT NO: 1485-0001 DATE: 04-01-2025

SHEET NO:

100% CD's





BUILDING PERMIT APPROVAL

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KASSIDY D. BANDUCCI

Campus Deputy Building Official

California State Polytechnic University, Humboldt

Date: May 01. 2025

Permit No. 2024/25-025

Construction Permit is not an official Notice to Proceed. Construction permit shall become invalid unless the work on the site coincided by such permit is commenced within 365 days ofher in issuance, unless the work on the site coincided by such permit is commenced within 365 days ofher in issuance, unless the work on the site coincided by such permit is commenced within 365 days ofher in issuance, unless the work on the site coincided by such permit is commenced within 365 days ofher in issuance, unless the work on the site coincided by such permit is commenced of the periods of open in writing and demonstrate buildible cause for the extension. The building official many grapmit, in writing, one or more extensions of the for periods of not more ton 180 days per extension.

OTHER APPROVALS, AS APPLICABLE:

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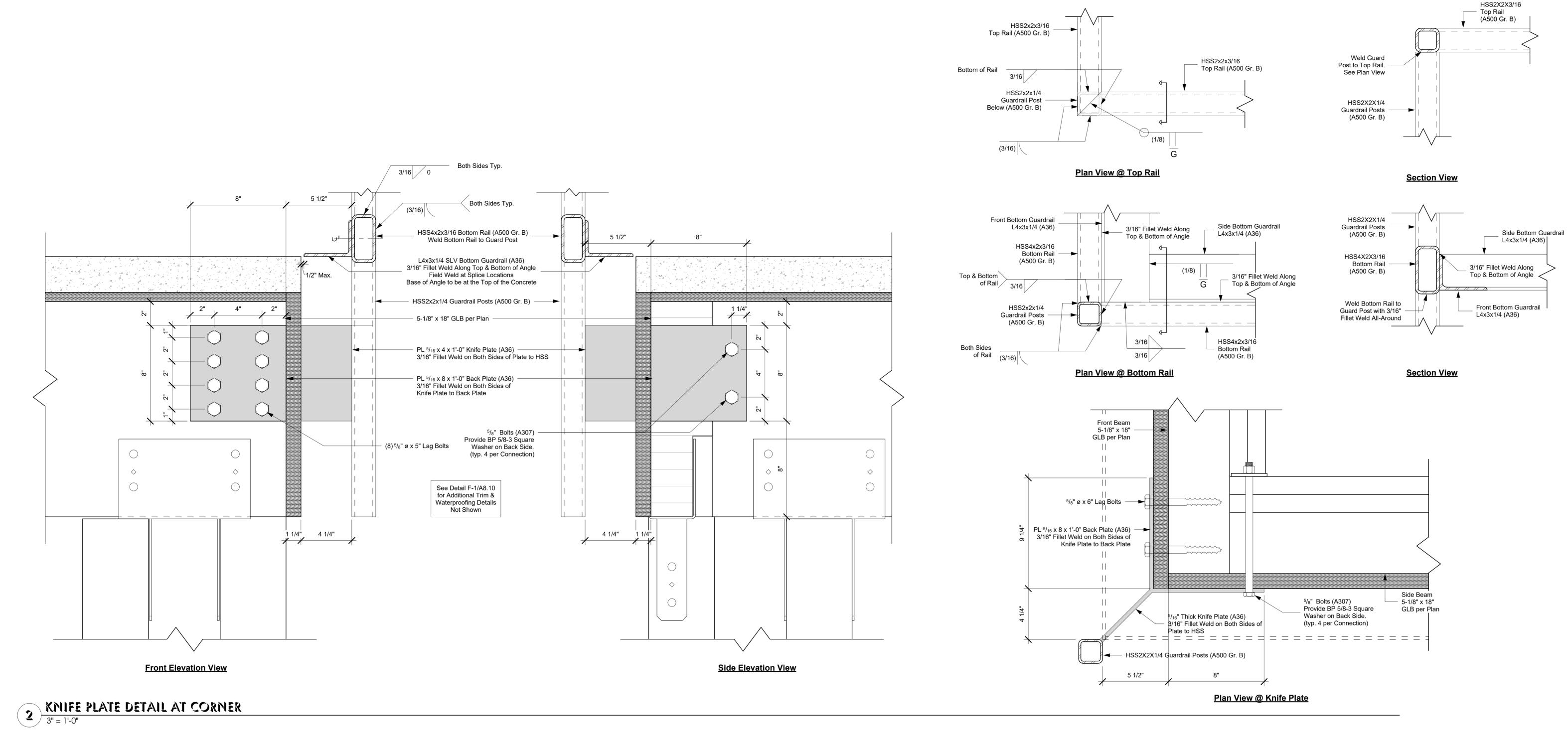


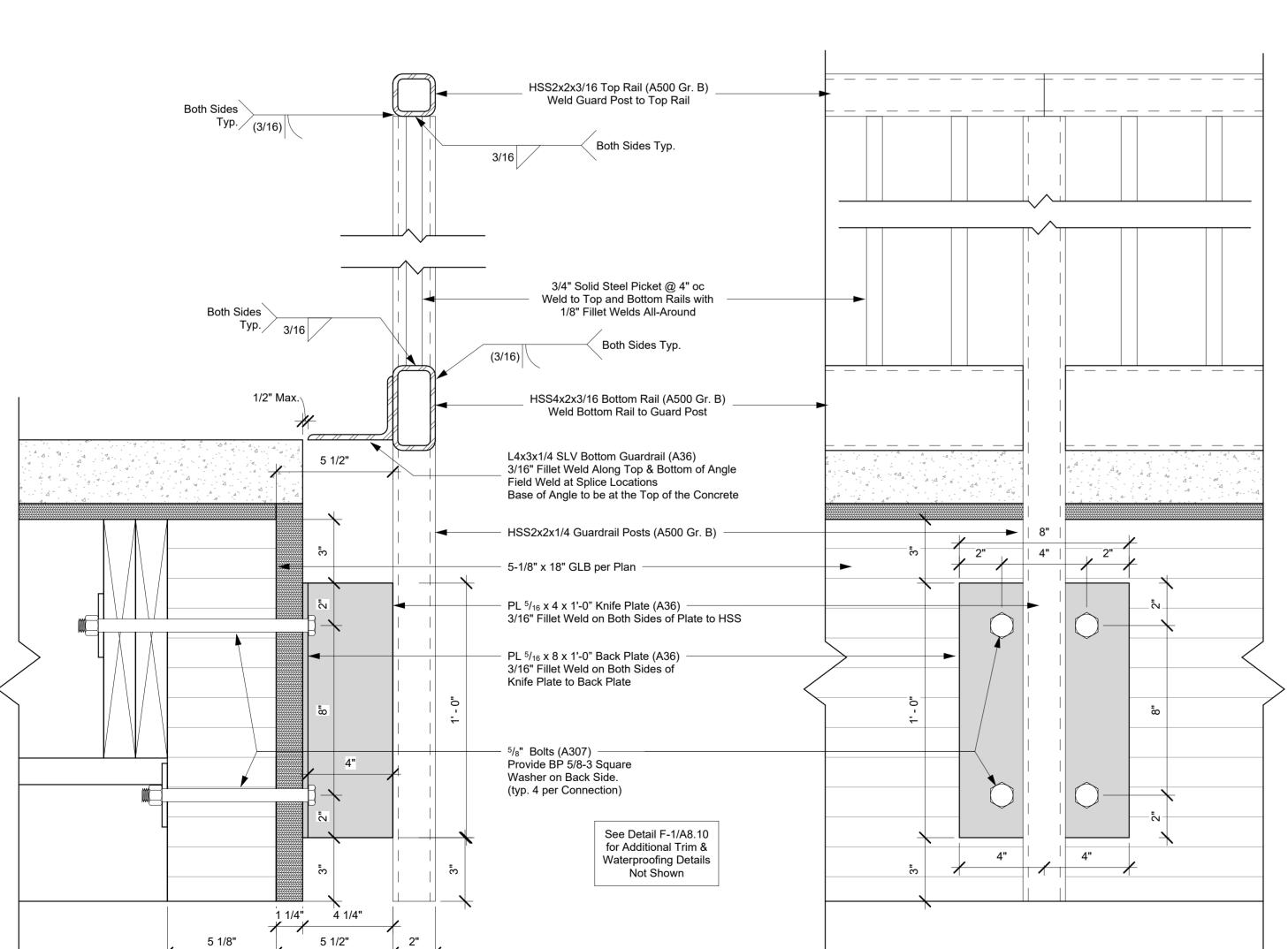
FRAMING DETAILS

PROJECT NO: 1485-0001 DATE: 04-01-2025

SHEET NO:

S2.1





Section View

1 TYPICAL KNIFE PLATE DETAIL

3" = 1'-0"

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