

FIRE STATION NO. 6 REMODEL

999 CEDAR ST.



CITY OF BERKELEY
999 CEDAR STREET, BERKELEY, CA 94710

PROJECT NUMBER: 201320.32

PLAN CHECK RESPONSE 3
OCTOBER 24, 2025

els architecture+
urban design
2040 Addison St, Berkeley, CA 94704
510.549.2929 | elsarch.com

REVISION		
NUMBER	DATE	DESCRIPTION

els architecture+
urban design

2040 Addison St, Berkeley, CA 94704
510.549.2929 | elsarch.com

PROJECT:

**FIRE STATION NO. 6
REMODEL**

999 CEDAR ST.
BERKELEY, CA 94710

PROJECT NUMBER:
201320.32

CLIENT:

CITY OF BERKELEY
1947 CENTER ST. 4TH FLOOR
BERKELEY, CA 94704

PROJECT TEAM:

ARCHITECT:
ELS ARCHITECTURE AND URBAN DESIGN
2040 Addison Street
Berkeley, CA 94704
P: 510.549.2929

MECHANICAL & PLUMBING ENGINEER:
CANYON CONSULTING ENGINEERS
3200 Blume Drive, Suite 240
Richmond, CA 94806
P: 510.243.5987

ELECTRICAL ENGINEER:
RLIA INC.
1620 Montgomery Street
San Francisco, CA 94111
P: 415-730-7994

STRUCTURAL ENGINEER:
IDA STRUCTURAL ENGINEERS, INC.
1629 Telegraph Avenue, #300
Oakland, CA 94612
P: (510) 834-1629

LANDSCAPE ARCHITECT:
PGAdesign Landscape Architects
444 17th Street
Oakland, CA 94612
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CIVIL ENGINEER:
CSW / ST2
504 Redwood Boulevard, #310
Novato, CA 94947
P: (415) 883-9850

REVISION		
NUMBER	DATE	DESCRIPTION

ISSUE: **PERMIT SET**

DATE: **05/23/2025**

STAMP:



SHEET TITLE:
COVER SHEET

SHEET NUMBER:

A000

Form #165

Code Compliance Checklist CALGREEN NON-RESIDENTIAL



**Building and Safety
Permit Service Center**

Projects for new buildings, additions of 1,000 square feet or greater and/or building alterations with a permit valuation of \$200,000 or above are subject to the provisions of the California Green Building Standards Code. This checklist is provided by the City of Berkeley in order to demonstrate compliance with the code and facilitate permit approval.

Instructions:

- Read and understand the requirements of all mandatory measures listed in this checklist.
- Mark all mandatory measures that are applicable to the proposed project.
- Coordinate the construction drawings with the mandatory measures.
- Incorporate this checklist into the submitted set of construction drawings on full sized sheets.

Building and Safety
1947 Center St. 3rd Floor
Berkeley, CA 94704
510-981-7440 TTY: 6903
buildingandsafety@berkeleyca.gov

Last Revised 05/17/23

Project Information Permit Number: _____

Project Address: 999 Cedar Street, Berkeley, CA 94710

Select One: New Building [N] Addition [A] Alteration

Planning and Design

- Storm water pollution prevention.** Projects which disturb less than one acre of land shall prevent the pollution of stormwater runoff from the construction activities through one or more of the following measures: [CGBCS 5.106.1.]
 - Stormwater management.** Comply with the Stormwater management and erosion control requirements per Title 17 of the City of Berkeley Municipal Code. [CGBCS 5.106.1.1.]
 - Best management practices (BMP).** Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMP. [CGBCS 5.106.1.2.]
 - Grading and paving.** Indicate how site grading or drainage system will manage all surface water flows to keep water from entering buildings. [CGBCS 5.106.1.10.]
- Bicycle Parking.** Projects adding 10 or more vehicular parking spaces shall comply with the following or meet the applicable City of Berkeley ordinance, whichever is stricter. [CGBCS 5.106.4.1.]
 - Short-term bicycle parking.** Provide permanently anchored bicycle racks within 200 feet of the visitor's entrance, readily visible to passers-by, for 5-percent of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack. [CGBCS 5.106.4.1.1.]
 - Long-term bicycle parking.** Provide secure bicycle parking for 5-percent of the tenant vehicular parking spaces being added, with a minimum of one space. [CGBCS 5.106.4.1.2.]

Electric Vehicle Charging

Definitions

ELECTRIC VEHICLE (EV) CAPABLE SPACE. A vehicle space with electrical panel space and load capacity to support a branch circuit and necessary raceways, both underground and/or surface mounted, to support EV charging.

ELECTRIC VEHICLE (EV) CHARGER. Off-board charging equipment used to charge an electric vehicle.

ELECTRIC VEHICLE CHARGING SPACE (EV SPACE). A space intended for future installation of EV charging equipment and charging of electric vehicles.

ELECTRIC VEHICLE (EV) READY SPACE (HCO). A vehicle space which is provided with a branch circuit; any necessary raceways, both underground and/or surface mounted; to accommodate EV charging, terminating in a receptacle or a charger.

ELECTRIC VEHICLE CHARGING STATION (EVCS). One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger. The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

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Code Compliance Checklist - CALGREEN NON-RESIDENTIAL

Faucets and Fountains

- Nonresidential lavatory faucets.** Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi. [CGBCS 5.303.3.4.1.]
- Kitchen faucets.** Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi. [CGBCS 5.303.3.4.2.]
- Wash fountains.** Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches)] at 60 psi. [CGBCS 5.303.3.4.3.]
- Metering faucets.** Metering faucets shall not deliver more than 0.20 gallons per cycle. [CGBCS 5.303.3.4.4.]
- Metering faucets for wash fountains.** Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/20 [rim space (inches)] at 60 psi. [CGBCS 5.303.3.4.5.]

Pre-Rinse Spray Valves

- Pre-rinse spray valves.** When installed shall not exceed the maximum flow rate of CGBCS Table H-2 as a function of product class 1, 2, or 3. [CGBCS 5.303.3.4.6.]

Commercial Kitchen Equipment

- Food waste disposers.** Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/noticed) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. [CGBCS 5.303.4.1.]

Outdoor Water Use

- Outdoor potable water use in landscape areas.** Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. [CGBCS 5.304.1.]
Note: The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.

Material Conservation and Resource Efficiency

Low-carbon Concrete

- Reduction in cement use.** As allowed by the enforcing agency, cement used in concrete mix design shall be reduced not less than 25 percent. Products commonly used to replace cement include, but are not limited to fly ash, slag, silica fume, and rice hull ash. [CGBCS 5.405.1 and BMC 19.37.040.]
Exception: Minimum cement reductions in concrete mix designs approved by the Engineer of Record may be lower where high early strength is needed for concrete products or to meet an accelerated project schedule.

Water Resistance and Moisture Management

- Sprinklers.** Design and maintain landscape irrigation systems to prevent spray on structures. [CGBCS 5.407.2.1.]
- Entries and openings.** Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows: [CGBCS 5.407.2.2.]
 - Exterior door protection.** Primary exterior entries shall be covered to prevent water intrusion by using non-absorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following: [CGBCS 5.407.2.2.1.]
 - An installed awning at least 4 feet in depth.
 - The door is recessed at least 4 feet.
 - a. The door is protected by a roof overhang at least 4 feet in depth.
 - b. Other methods which provide equivalent protection.
- Flashing.** Install flashings integrated with a drainage plane. [CGBCS 5.407.2.2.2.]

Construction Waste Reduction, Disposal and Recycling

- Construction waste management plan & excavated soil and land clearing debris.** Recycle and/or salvage for reuse a minimum of 65 percent of non-hazardous construction and demolition waste and a minimum of 100 percent of excavated soil, land-clearing debris, concrete and asphalt. Provide a completed City of Berkeley Construction Waste Management Plan. [CGBCS 5.408.1 and CGBCS 5.408.3 and BMC 19.37.040.]
- Universal waste.** [A] Additions and alterations to a building or tenant space shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. [CGBCS 5.408.2.]

Building Maintenance and Operation

- Recycling by occupants.** Provide readily accessible areas that serve the entire building and are identified for

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Code Compliance Checklist - CALGREEN NON-RESIDENTIAL

Standards: Associated Air Balance Council National Standards or as approved by the City of Berkeley. [CGBCS 5.410.3.1.]

- Reporting.** After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services. [CGBCS 5.410.4.4.]
- Operation and maintenance (O&M) manual.** Provide the building owner or representative with detailed operating and maintenance instructions and copies of warranties/warranties for each system. O&M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations. [CGBCS 5.410.4.5.]

Environmental Quality

- Fireplaces.** Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code Section 150. [CGBCS 5.503.1.]
- Woodstoves.** Woodstove and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. [CGBCS 5.503.1.1.]

Pollutant Control: Mechanical Systems

- Temporary ventilation.** The permanent HVAC system shall only be used during construction if necessary to condition the building within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30-percent based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction. [CGBCS 5.504.1.]
- Covering of duct openings & protection of mechanical equipment during construction.** At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods accessible to the City of Berkeley to reduce the amount of dust, water and debris which may enter the system. [CGBCS 5.504.3.]
- Filters.** In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. Existing mechanical equipment excepted. [CGBCS 5.504.5.3.]
- Labeling.** Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating. [CGBCS 5.504.5.3.1.]
- Environmental tobacco smoke (ETS) control.** Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations, or as enforced by ordinances, regulations or policies of the City of Berkeley, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions. [CGBCS 5.504.7.]

Pollutant Control: Finish Material

- Adhesives, sealants and caulks.** Adhesives, sealants and caulks used on the project shall comply with CALGreen Table 5.504.4.1 and 5.504.4.2 for VOC limits. Product units which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces shall comply with statewide VOC standards and California Code of Regulations, Title 17, [CGBCS 5.504.4.1.]
- Paints and Coatings.** Architectural paints and coatings shall comply with VOC limits in CALGreen Table 5.504.4.3. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be based on the VOC by weight percent limits of the product. VOC by weight percent based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Standard Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in CALGreen Table 5.504.4.3 shall apply. [CGBCS 5.504.4.3.]
- Aerosol paints and coatings.** Aerosol paints and coatings shall meet the PVMIR Limits for ROC in California Code of Regulations, Title 17 and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight percent limits of the product. [CGBCS 5.504.3.1.]
- Carpet systems.** All carpet and carpet coating installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 [Emission testing method for California Specification 01350]. See California Department of Public Health's website for certification programs and testing labs. <https://www.cdph.ca.gov/Programs/CID/DCDC/EHL/BIAD/Pages/VOC.aspx> All carpet adhesive shall meet the requirements of Table 5.504.4.1. [CGBCS 5.504.4.4.]
- Composite wood products.** Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as shown in

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- Identification.** The service panel or subpanel circuit directory shall identify the overcurrent protective device for future EV charging as "EV CAPABLE" and identify the overcurrent protective device serving EVCS as "EV CHARGER". Raceway termination locations shall be permanently and visibly marked as "EV CAPABLE". [CGBCS 5.106.5.3.1.4.]
- Raceways.** [A] Listed raceways and associated conductors shall be sized to accommodate a dedicated 208/240-volt branch circuit for a future EV charger. The raceway shall be not less than nominal 1-inch inside diameter. Raceways shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Construction documents shall identify the raceway termination point. [CGBCS 5.106.5.3.1 and 5.106.5.3.2.]
- Electric Vehicle Charging Stations (EVCS).** One EV charger with multiple connectors capable of charging multiple EVs shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger. The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel. [CGBCS 5.106.5.3.2.]
- EVCS Accessibility / Location.** When EVSE is installed, accessible EVCS shall be provided in accordance with the California Building Code, Chapter 11B, Section 11B-228.3. Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 15-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s). [CGBCS 5.106.5.3.4.]

EV Spaces

- New Nonresidential Occupancies.** When residential parking is provided: [CGBCS 5.106.5.3 and BMC 19.37.040.]
 - 20% of spaces shall be EV CAPABLE with RACEWAY, panel service capacity and electrical system sufficient to charge all required spaces at a minimum of 40 ampers.
 - 10% of spaces shall be an ELECTRIC VEHICLE CHARGING STATION (EVCS)

Note: Calculation for EV CAPABLE spaces and EVCS shall for CGBCS 5.106.5.3 shall be rounded up to the nearest whole number.

- Light pollution reduction.** [N] Outdoor lighting systems shall be designed and installed to comply with Backlight, Uplight and Glare rating requirements in CALGreen Table 5.106.8 or comply with the City of Berkeley's ordinances, whichever is more stringent. [CGBCS 5.106.8.]

Water Efficiency and Conservation

Indoor Water Use: Metering Devices

- New buildings or additions in excess of 50,000 square feet.** Separate sub-meters shall be installed as follows:
 - For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gpd/day, including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
 - Where separate sub-meters for individual building tenants are unfeasible, for water supplied to the following subsystems:
 - Makeup water for cooling towers where flow through is greater than 500 gpm.
 - Makeup water for evaporative coolers greater than 6 gpm.
 - Steam and hot-water boilers with energy input more than 500,000 Btu/h.
- Excess consumption.** [N] A separate sub-meter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day. [CGBCS 5.303.1.2.]

Indoor Water Use: Water Conservation

- Water closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the US EPA WaterSense Specification for Tank-type Toilets. [CGBCS 5.303.3.1.]
- Urinals**
- Wall-mounted urinals.** The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush. [CGBCS 5.303.3.2.1.]
- Floor-mounted urinals.** The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush. [CGBCS 5.303.3.2.2.]

Showerheads

- Single showerhead.** Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the US EPA WaterSense Specification for Showerheads. [CGBCS 5.303.3.3.1.]
- Multiple showerheads serving one shower.** When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi; the shower shall be designed to allow only one shower outlet to be in operation at a time. Note: A hand-held shower shall be considered a showerhead. [CGBCS 5.303.3.3.2.]

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Code Compliance Checklist - CALGREEN NON-RESIDENTIAL

the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, plastic, organic waste, and metals. [CGBCS 5.410.1.]

- Additions.** [A] All additions constructed within a 12-month period under single or multiple permits, resulting in an increase of 30 percent or more in floor area, shall provide recycling areas on site. [CGBCS 5.410.1.1.]
- Commissioning.** [N] For newly constructed buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed by trained personnel with experience on projects of comparable size and complexity. All building operating systems covered by Title 24, Part 6, California Energy Code as well as process equipment and controls, and renewable energy systems shall be included in the scope of the commissioning requirements. [CGBCS 5.410.2.]
- Owner's or Owner representative's Project Requirements (OPR).** [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following: [CGBCS 5.410.2.1.]
 - Environmental and sustainability goals, Energy efficiency goals, Indoor environmental quality requirements, Project program, including facility functions and hours of operation, and need for after hours operation, Equipment and systems expectations, Building occupant and operation and maintenance (O&M) personnel expectations)
- Basis of Design (BOD).** [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover: [CGBCS 5.410.2.2.]
 - Heating, ventilation, air conditioning systems and controls
 - Renewable energy systems
 - Indoor lighting system and controls
 - Landscape irrigation systems
 - Water heating system
 - Water reuse systems
- Commissioning plan.** [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following: [CGBCS 5.410.2.3.]
 - General project information
 - Commissioning team information.
 - Commissioning process activities, schedules and responsibilities.
 - Commissioning goals.
 - Systems to be commissioned.
 - Plans to test systems and components shall include:
 - (An explanation of the original design intent, Equipment and systems to be tested, including the extent of tests, Functions to be tested, Conditions under which the test shall be performed, Measurable criteria for acceptable performance.)
- Functional performance testing.** [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, testing methods utilized, and any readings and adjustments made. [CGBCS 5.410.2.4.]
- Documentation and training.** [N] A systems manual and system operations training are required, including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), Title 8, Section 5142, and other related regulations. [CGBCS 5.410.2.5.]
- Commissioning report.** [N] A report of commissioning process activities undertaken through design and construction phases of the building project shall be completed and provided to the owner or representative. [CGBCS 5.410.2.6.]
- Testing and adjusting.** Testing and adjusting of systems shall be required for newly constructed buildings less than 10,000 square feet, or new systems to serve an addition or alteration, as applicable. [CGBCS 5.410.4.]
 - HVAC systems and controls
 - Renewable energy systems
 - Indoor and outdoor lighting and controls
 - Landscape irrigation systems
 - Water heating systems
 - Water reuse systems
- Procedures.** Testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system. [CGBCS 5.410.4.3.]
- HVAC balancing.** In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for the first time, the system is balanced in accordance with the procedures defined by the Testing and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural

Page 6 of 6

Code Compliance Checklist - CALGREEN NON-RESIDENTIAL

CALGreen Table 5.504.4.5. [CGBCS 5.504.4.5.]

- Resilient Flooring Systems.** Where resilient flooring is installed, at least 60 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 [Emission testing method for California Specification 01350]. See California Department of Public Health's website for certification programs and testing labs. <https://www.cdph.ca.gov/Programs/CID/DCDC/EHL/BIAD/Pages/VOC.aspx> [CGBCS 5.504.4.4.]
- Carbon Dioxide Monitoring with Demand Control Ventilation.** For buildings or additions equipped with demand control ventilation, CO2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code 120.1(c)(4). [CGBCS 5.506.2.]

Environmental Comfort

- Acoustical Control.** Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E92 and ASTM E413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E1500, using either the prescriptive or performance method. [CGBCS 5.507.4.]
- Exterior Noise Transmission, Prescriptive Method.** Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations [CGBCS 5.507.4.1.]
 - Within the 65 CNEL noise contour of an airport.
 - Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-gateway source as determined by the Noise Element of the General Plan.
- Exterior Noise Transmission, Performance Method.** For buildings located as defined in CGBCS 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1hr) of 50 dBA in occupied areas during any hour of operation. [CGBCS 5.507.4.2.]
- Interior Sound Transmission.** Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40. [CGBCS 5.507.4.3.]

Outdoor Air Quality

- Ozone depletion and greenhouse gas reductions.** Installations of HVAC, refrigeration and fire suppression equipment shall comply with the following: [CGBCS 5.508.1.]
 - Chlorofluorocarbons (CFCs).** Install HVAC, re-figuration & fire suppression equipment that do not contain CFCs.
 - Halons.** Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.
 - Supermarket refrigerant leak reduction.** New commercial refrigeration systems containing high-global-warming potential refrigerants (GWP of 150 or greater) installed in retail food stores with 6,000 square feet or more of conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units shall comply with refrigerant leak reduction measures. [CGBCS 5.508.2.]

Additional:

I certify that I have read and acknowledged all of the Code Requirements noted above. I accept full responsibility for complying with all of the above requirements, as applicable to my project. I further agree that if I fail to comply with the code requirements, due to error or omission, I will correct all deficiencies prior to final inspection.

Name	Signature	Date
Check One: <input type="checkbox"/> Contractor <input type="checkbox"/> Owner <input type="checkbox"/> Owner's Agent		

Form #172

CONSTRUCTION WASTE MANAGEMENT PLAN



**Building and Safety
Permit Service Center**

Complete this form and submit it along with your building permit application when performing the following activities:

- Any non-residential projects requiring building permits.
- Residential new buildings.
- Residential projects that increase a building's conditioned area, volume, or size.
- Residential projects valued over \$100,000.
- Demolition permits valued over \$3,000.

A minimum of 65% of the waste generated by a Construction Waste Management Plan has been submitted via Green Halo at www.berkeley.wastetracking.com. Prior to permit final, weight tickets for all materials disposed and recycled must be uploaded. Photos are acceptable for salvaged/reused materials.

Green Halo Tracking Number: _____

A letter will be provided to the Building Inspector at the time of final inspection affirming that this project has produced less than 100 pounds (or 55 gallons) of waste, all waste was site-sorted, and any waste that could be recycled was recycled properly through a waste disposal service provider, either on-site or at the contractor's office/shop. (This option is subject to approval for the duration of the project.)

Acknowledgment

I understand the waste diversion requirements of Berkeley Municipal Code 19.37 and submit this Construction Waste Management Plan pursuant to California Green Building Standards Code 4.408.2 or 5.408.1.1.

Name _____ Signature _____ Date _____

Last Revised 06/12/23

Project Information Permit Number: _____

Project Address: 999 Cedar Street, Berkeley, CA 94710

Construction Methods

- Waste generated during construction will be minimized through a combination of efficient design, careful and accurate material ordering, handling and storage, panelized or prefabricated construction, reuse, and/or salvage.

Universal and Hazardous Waste

Disposal of asbestos-containing materials, batteries, electronic waste, fluorescent bulbs, lead based paints, mercury containing equipment and refrigerants, require special processing prior to commencement of construction or demolition activities. Additional information can be found at the Bay Area Air Quality Management District, Alameda County Healthy Homes Department, and the City of Berkeley Toxics Management Division. Please select the option that is applicable to your project.

- This project does not involve disposal of universal or hazardous waste.
- This project includes disposal of universal or hazardous waste in a responsible, safe and verifiable manner.

Diversion Documentation

Green Halo tracking is required for all projects generating 100 pounds (or 55 gallons) of waste or more. Please select the option that is applicable to your project.

- A Construction Waste Management Plan has been submitted via Green Halo at www.berkeley.wastetracking.com. Prior to permit final, weight tickets for all materials disposed and recycled must be uploaded. Photos are acceptable for salvaged/reused materials.

ISSUE: **PERMIT SET**

DATE: **05/23/2025**

STAMP:



LICENSED ARCHITECT
AND MASONRY
STATE OF CALIFORNIA
NO. 9321
6/30/27
RENEWAL DATE

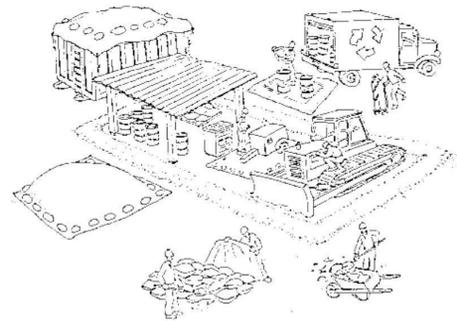
SHEET TITLE:
**CAL GREEN
NON-RESIDENTIAL
CHECKLIST**

SHEET NUMBER:
A002

Pollution Prevention — It's Part of the Plan

Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with local ordinance requirements.



Materials storage & spill cleanup

Non-hazardous materials management

- ✓ Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.
- ✓ Use (but don't overuse) reclaimed water for dust control as needed.
- ✓ Sweep streets and other paved areas daily. Do not wash down streets or work areas with water!
- ✓ Recycle all asphalt, concrete, and aggregate base material from demolition activities.
- ✓ Check dumpsters regularly for leaks and to make sure they don't overflow. Repair or replace leaking dumpsters promptly.

Hazardous materials management

- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, state, and federal regulations.
- ✓ Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✓ Report any hazardous materials spills immediately! Dial 911 or your local emergency response number.

Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinsewater to run into gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Dewatering operations

- ✓ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✓ Be sure to call your city's storm drain inspector before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the city inspector to determine what testing to do and to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.



Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it is least likely to collect in the street. Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.



- ✓ Avoid scheduling earth moving activities during the rainy season if possible. If grading activities during wet weather are allowed in your permit, be sure to implement all control measures necessary to prevent erosion.
- ✓ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✓ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.

- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Regional Water Quality Control Board or local hazardous waste management agency for help in determining what testing should be done, and manage disposal of contaminated soil according to their instructions.

Saw cutting

- ✓ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work

- ✓ Do not pave during wet weather or when rain is forecast.
- ✓ Always cover storm drain inlets and man-holes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✓ Place drip pans or absorbent material under paving equipment when not in use.
- ✓ Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- ✓ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- ✓ Do not use water to wash down fresh asphalt concrete pavement.



Concrete, grout, and mortar storage & waste disposal

- ✓ Be sure to store concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.
- ✓ Wash out concrete equipment/trucks off-site or designate an on-site area for washing where water will flow onto dirt or into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.



- ✓ Divert water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.
- ✓ If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.

Painting

- ✓ Never rinse paint brushes or materials in a gutter or street!
- ✓ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink. If you can't use a sink, direct wash water to a dirt area and spade it in.
- ✓ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✓ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.



REVISION		
NUMBER	DATE	DESCRIPTION

ISSUE: **PERMIT SET**

DATE: **05/23/2025**



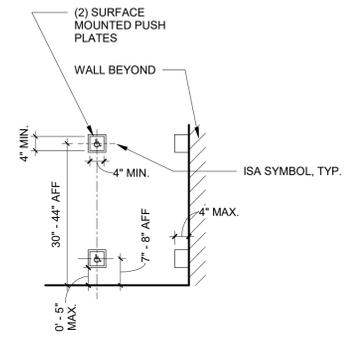
SHEET TITLE:
**POLLUTION
PREVENTION**

SHEET NUMBER:

A003

1

2



PUSH PLATE ACTUATORS
REF 2022 CBC 11B-404.2.9.c.

6 POWER ASSISTED DOOR ACTUATORS
1/2" = 1'-0"

SIGNAGE GENERAL NOTES

1. SIGNAGE TO COMPLY WITH CABO/ANSI A117.1 AND CBC CHAPTER 11B-708
2. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE SURFACE AT VISIBLE SIDE
3. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND
4. ATTACH SIGNAGE WITH ADHESIVE
5. CHARACTERS OF TACTILE SIGNAGE SHALL BE 0.025" MIN AND 0.037 MAX. ABOVE THEIR BACKGROUND
6. CHARACTERS OF TACTILE SIGNAGE SHALL BE SANS SERIF UPPER CASE.
7. CHARACTERS OF TACTILE SIGNAGE SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTERS "O" IS 60% MIN. AND 110% MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "T". STROKE THICKNESS OF THE UPPERCASE LETTER "T" SHALL BE 15% MAX. OF THE CHARACTER
8. MOCK-UP OF EACH SIGN SHALL BE PROVIDED AND REVIEWED BY ARCHITECT PRIOR TO FABRICATION
9. SIGNAGE COLOR TO BE DETERMINED BY ARCHITECT
10. SEE SPECIFICATION FOR ADDITIONAL INFORMATION

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PROJECT:
FIRE STATION NO. 6 REMODEL

999 CEDAR ST.
BERKELEY, CA 94710

PROJECT NUMBER:
201320.32

CLIENT:
CITY OF BERKELEY
1947 CENTER ST. 4TH FLOOR
BERKELEY, CA 94704

PROJECT TEAM:
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REVISION

NUMBER	DATE	DESCRIPTION
1	08/05/2025	PLAN CHECK RESPONSE 1
2	09/19/2025	PLAN CHECK RESPONSE #2

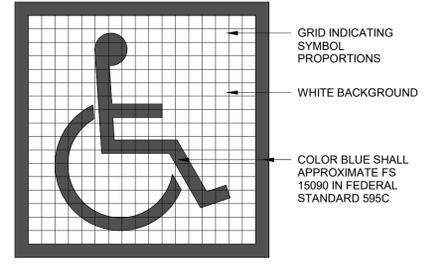
ISSUE:
PERMIT SET
DATE:
05/23/2025
STAMP:



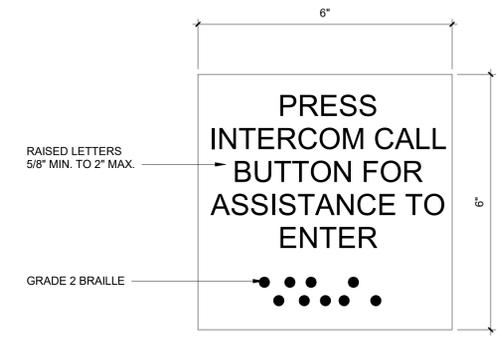
SHEET TITLE:
ACCESSIBLE COMPLIANCE DETAILS - SIGNAGE
SHEET NUMBER:

A004

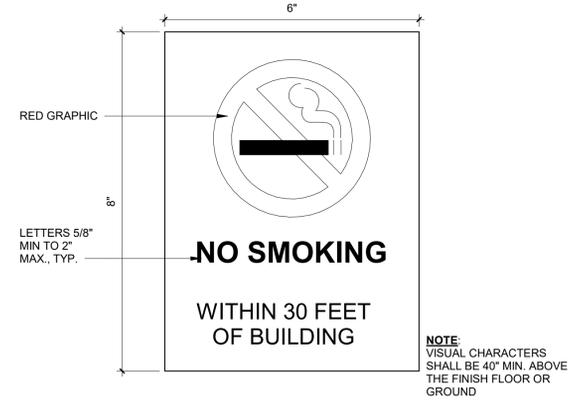
5 INTERNATIONAL ACCESSIBILITY SYMBOL
N.T.S.



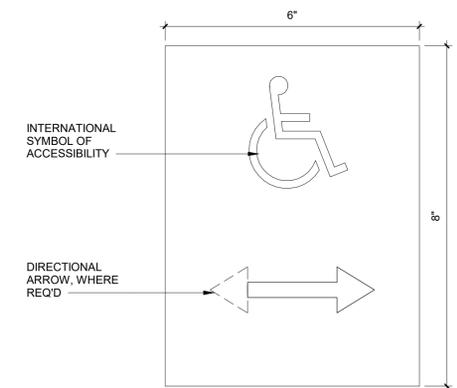
2 ROOM SIGNAGE - TYPE 2
N.T.S.



4 NO SMOKING SIGN - TYPE 3
N.T.S.



1 ACCESSIBLE DIRECTIONAL SIGN - TYPE 3
N.T.S.





Graphic Scale (in feet)



1 inch = 5 ft.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	GV	GAS VALVE
BFP	BACK FLOW PREVENTER	HV	HIGH VOLTAGE
C	CONIFEROUS	HYD	HYDRANT
CL	CENTER LINE	IRR	IRRIGATION
CONC	CONCRETE	L	LIGHTING CONDUIT
D	DECIDUOUS	RR	RAILROAD
DEP	DEPRESSED	SD	STORM DRAIN
E	ELECTRIC	SL	STREET LIGHT
EOC	EDGE OF CONCRETE	SS	SANITARY SEWER
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
ELEC	ELECTRICAL	TS	TOP OF SLAB
FDC	FIRE DEPARTMENT CONNECTION	TR	TOP OF RAMP
FF	FINISH FLOOR	TELE	TELEPHONE
FH	FIRE HYDRANT	TYP	TYPICAL
FL	FLOW LINE	TW	TOP OF WALL
G	GAS	W	WATER
GS	GROUND SHOT	WV	WATER VALVE

LEGEND

	BUILDING
	CONTOUR MAJOR (5' INTERVAL)
	CONTOUR MINOR (1' INTERVAL)
	CHAIN LINK FENCE
	GRADE BREAK LINE
	TOE OF BANK
	TOP OF BANK
	RETAINING WALL

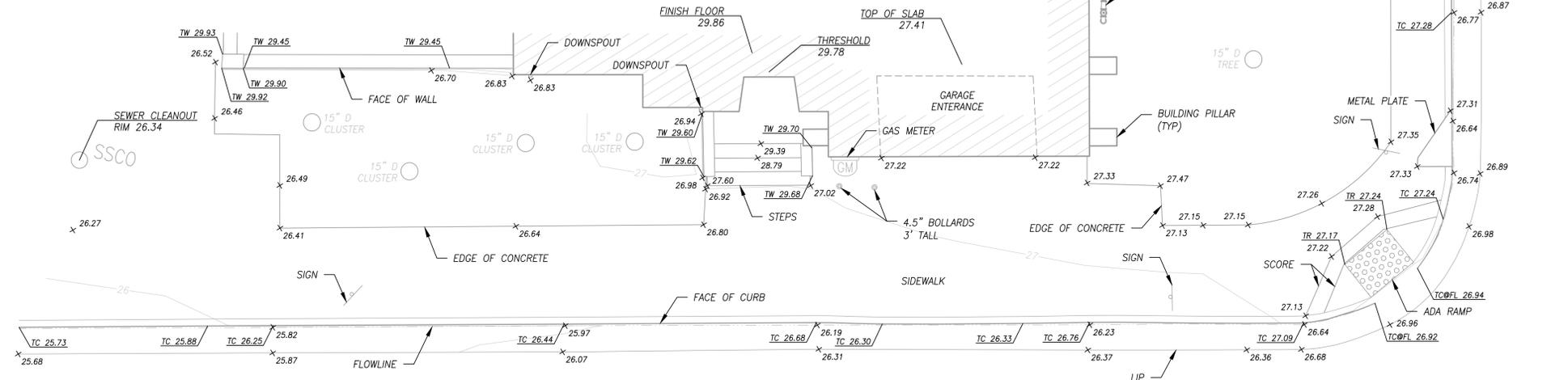
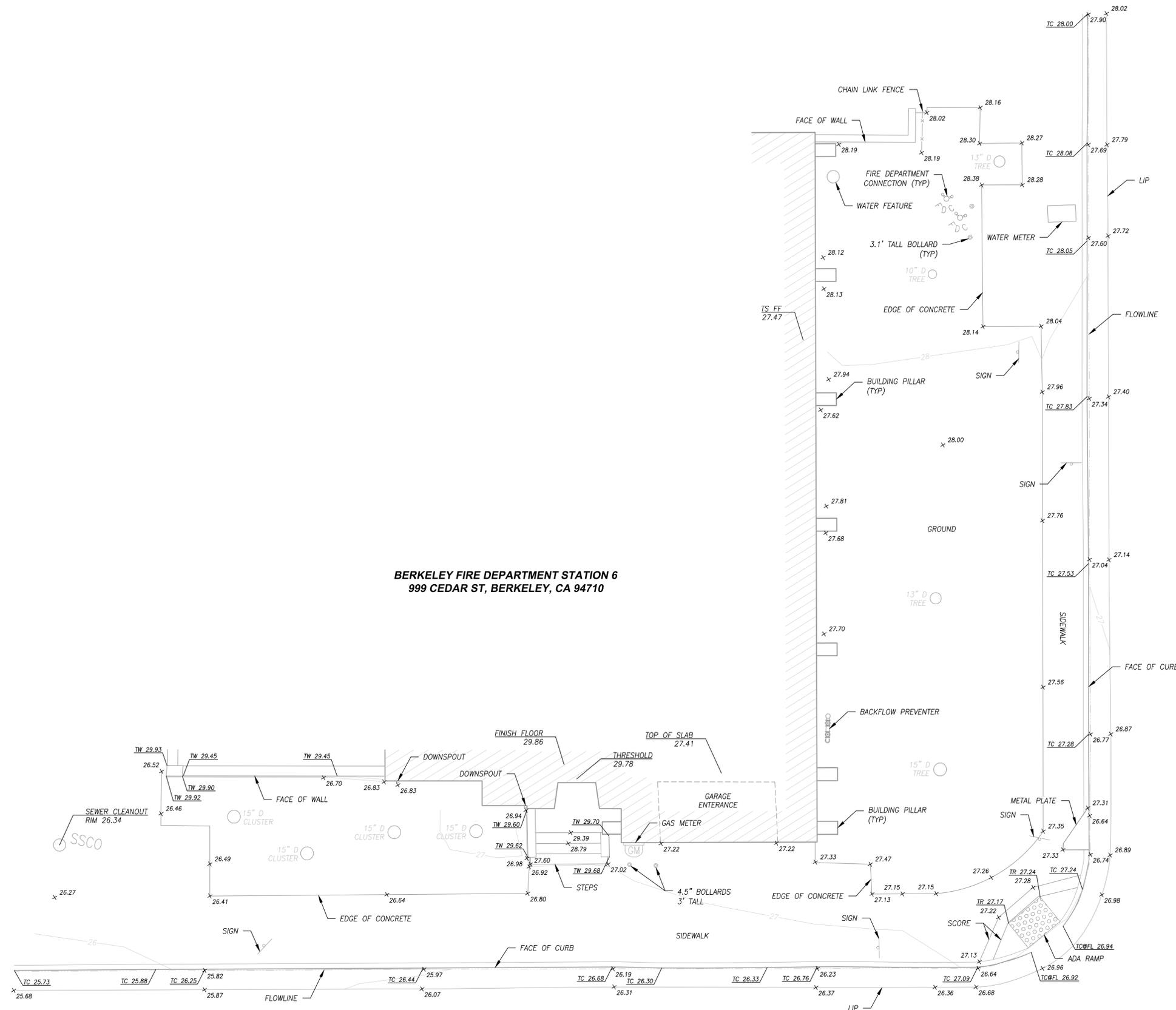
NOTES

- DISTANCES SHOWN ARE IN FEET AND DECIMALS THEREOF.
- HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83) PER CALIFORNIA REAL TIME NETWORK (CRTN), EPOCH 2017.5, MOUNT POINT P224(SIBLEYVOLCCN2005).
- VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD88) PER CALIFORNIA REAL TIME NETWORK (CRTN), EPOCH 2017.5, MOUNT POINT P224(SIBLEYVOLCCN2005).
- TOPOGRAPHY SHOWN WAS PERFORMED BY FIELD SURVEY ON MARCH 21, 2025.

BERKELEY FIRE DEPARTMENT STATION 6
999 CEDAR ST, BERKELEY, CA 94710

NINTH STREET

CEDAR STREET

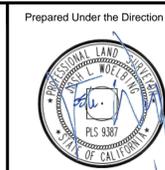


Rev	Date	Description	Designed	Drawn	Checked
-	03/31/25	SUBMITTED TO CLIENT		JT	JLW

CSW/Stuber-Stroeh Engineering Group, Inc.
 Civil & Structural Engineers | Surveying & Mapping | Environmental Planning
 Land Planning | Construction Management
 504 Redwood Blvd, Suite 310 tel: 415.883.9850
 Novato, CA 94947 fax: 415.883.9835
<http://www.cswst2.com> © 2023

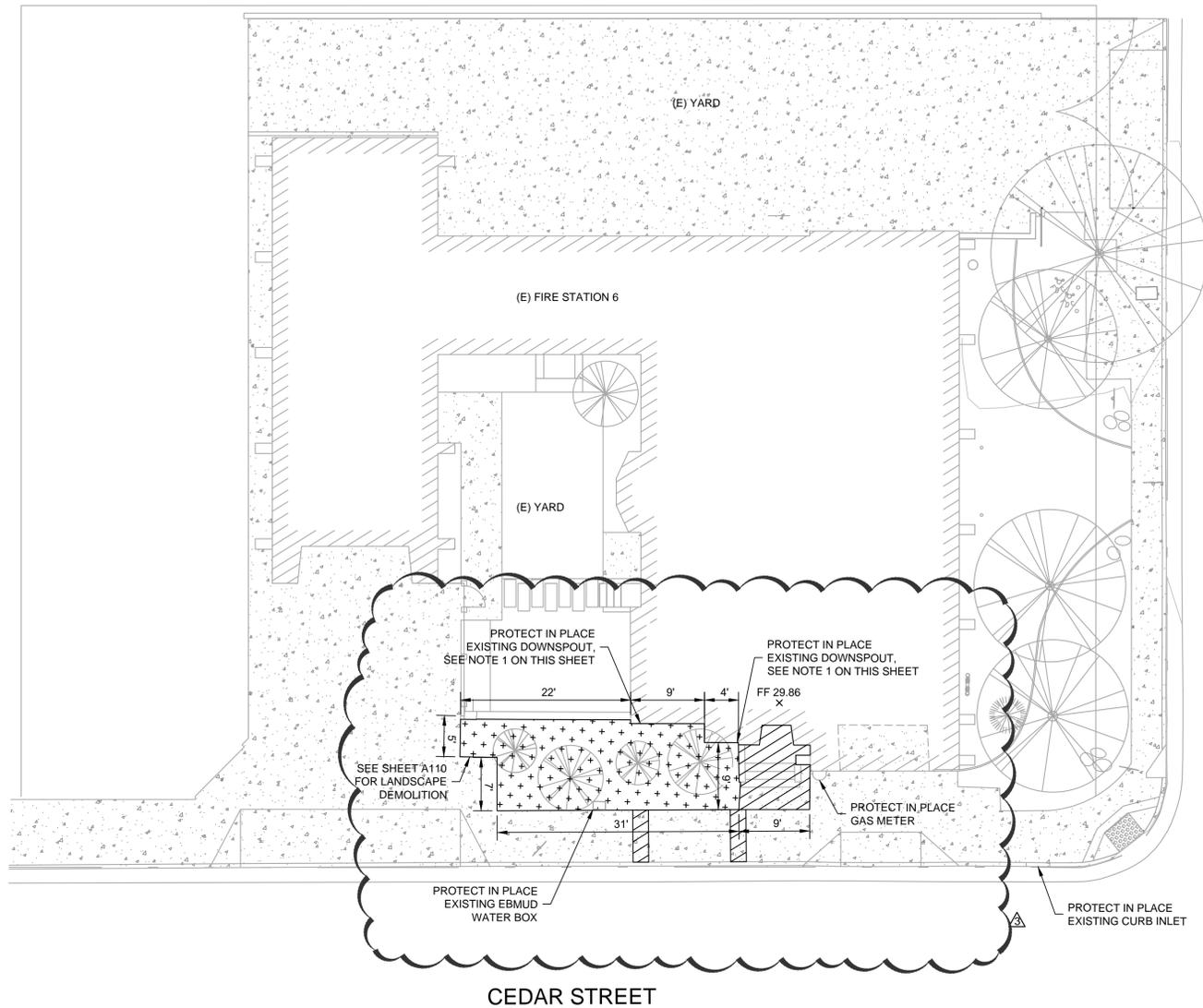
City Berkeley
 County Alameda
 State California

BERKELEY FIRE STATION 6
 SUPPLEMENTAL TOPOGRAPHIC MAP
 ELS ARCHITECTURE AND URBAN DESIGN



Prepared Under the Direction of: **Sheet 1/1**
 Scale: 1" = 5'
 Date: 03/26/25
 Project Number: 2300175.50
 Plan File: -

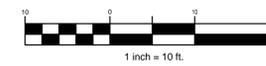
P:\Shared\Projects\2025\200175.50 Berkeley Fire Station 6 Survey\DWG\Sheet\Topographic Map.dwg 03/31/2025 09:40 AM jml@stn 11



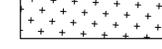
NINTH STREET



Graphic Scale (in feet)



LEGEND:

-  EXISTING CONCRETE
-  EXISTING BUILDING
-  REMOVE CONCRETE
-  CLEAR AND GRUB

ABBREVIATIONS:

- EC EDGE OF CONCRETE
- EG EXISTING GROUND
- EX EXISTING
- FG FINISH GRADE
- FL FLOWLINE
- MX MATCH EXISTING
- TC TOP OF CURB
- LP LOWPOINT

NOTES:

- 1) CONTRACTOR TO VERIFY LOCATION OF EXISTING STORM DRAIN PIPE CONNECTED TO DOWNSPOUT PRIOR TO COMMENCING WORK

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PROJECT:

**FIRE STATION NO. 6
REMODEL**

999 CEDAR ST.
BERKELEY, CA 94710

PROJECT NUMBER:
201320.32

CLIENT:

CITY OF BERKELEY
1947 CENTER ST. 4TH FLOOR
BERKELEY, CA 94704

PROJECT TEAM:

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REVISION

NUMBER	DATE	DESCRIPTION
1	08/01/2025	PLAN CHECK RESPONSE 1
2	09/15/2025	PLAN CHECK RESPONSE 2
3	10/24/2025	PLAN CHECK RESPONSE 3

ISSUE:

PERMIT SET

DATE:

OCTOBER 20, 2025

STAMP:



SHEET TITLE:

**EXISTING
CONDITIONS AND
DEMOLITION
PLAN**

SHEET NUMBER:

C1

REVISION

NUMBER	DATE	DESCRIPTION
1	08/01/2025	PLAN CHECK RESPONSE 1
2	09/15/2025	PLAN CHECK RESPONSE 2
3	10/24/2025	PLAN CHECK RESPONSE 3

ISSUE:

PERMIT SET

DATE: **OCTOBER 20, 2025**

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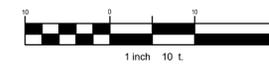
SHEET TITLE:
**GRADING AND
DRAINAGE PLAN**

SHEET NUMBER:

C2



Graphic Scale (in feet)

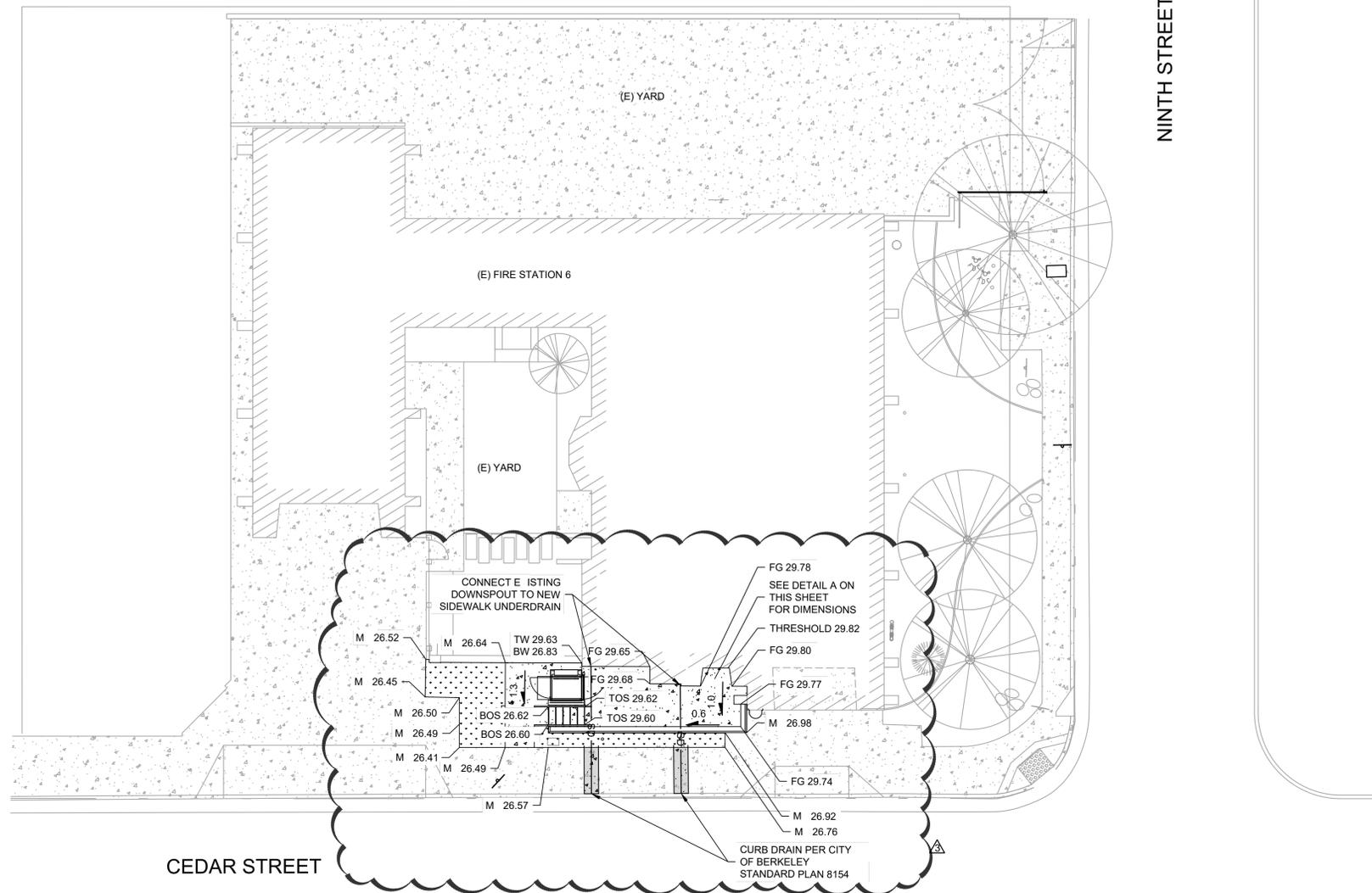


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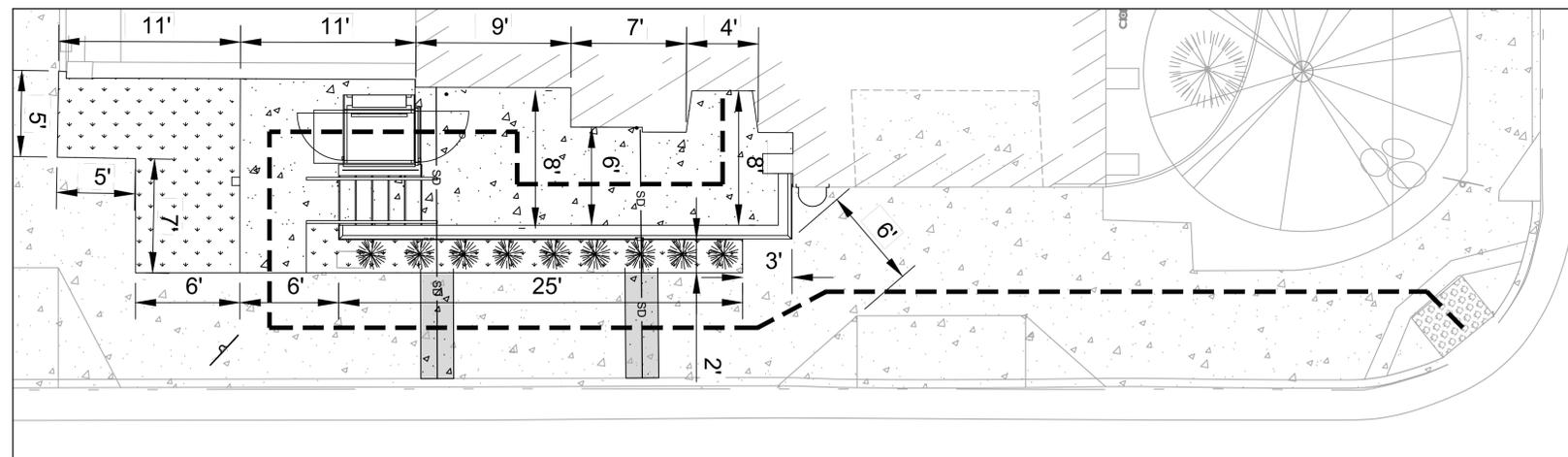
- ACCESSIBLE PATH OF TRAVEL
- E I STING CONCRETE
- NEW CONCRETE
- SIDEWALK REPAIR PER CITY OF BERKELEY STANDARD PLAN 8154
- NEW LANDSCAPING, SEE ARCHITECT'S PLAN
- E I STING BUILDING
- 2.0 SLOPE ARROW

ABBREVIATIONS:

- BOS BOTTOM OF STAIR
- EC EDGE OF CONCRETE
- EG E I STING GROUND
- E E I STING
- FF FINISHED FLOOR
- FG FINISH GRADE
- FL FLOWLINE
- M MATCH E I STING
- TC TOP OF CURB
- TOS TOP OF STAIR
- TS TOP OF STAIR
- LP LOWPOINT



PLAN
1" = 10'



DETAIL A
1" = 5'

REVISION		
NUMBER	DATE	DESCRIPTION
1	08/01/2025	PLAN CHECK RESPONSE 1
2	09/15/2025	PLAN CHECK RESPONSE 2
3	10/24/2025	PLAN CHECK RESPONSE 3

ISSUE: **PERMIT SET**

DATE: **OCTOBER 20, 2025**

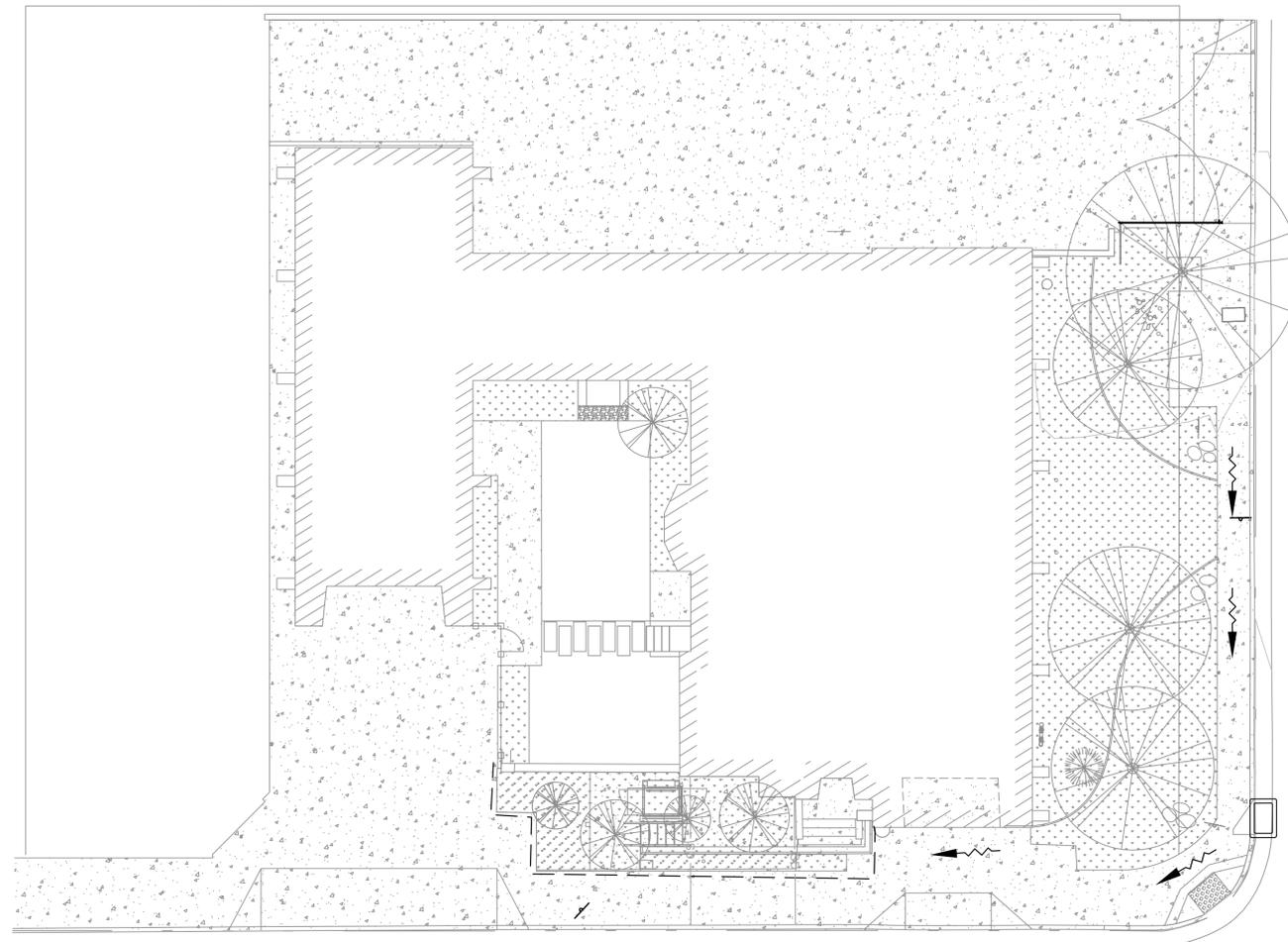
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SHEET TITLE:
**EROSION
CONTROL PLAN**

SHEET NUMBER:

C3

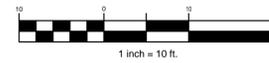


NINTH STREET

CEDAR STREET



Graphic Scale (in feet)

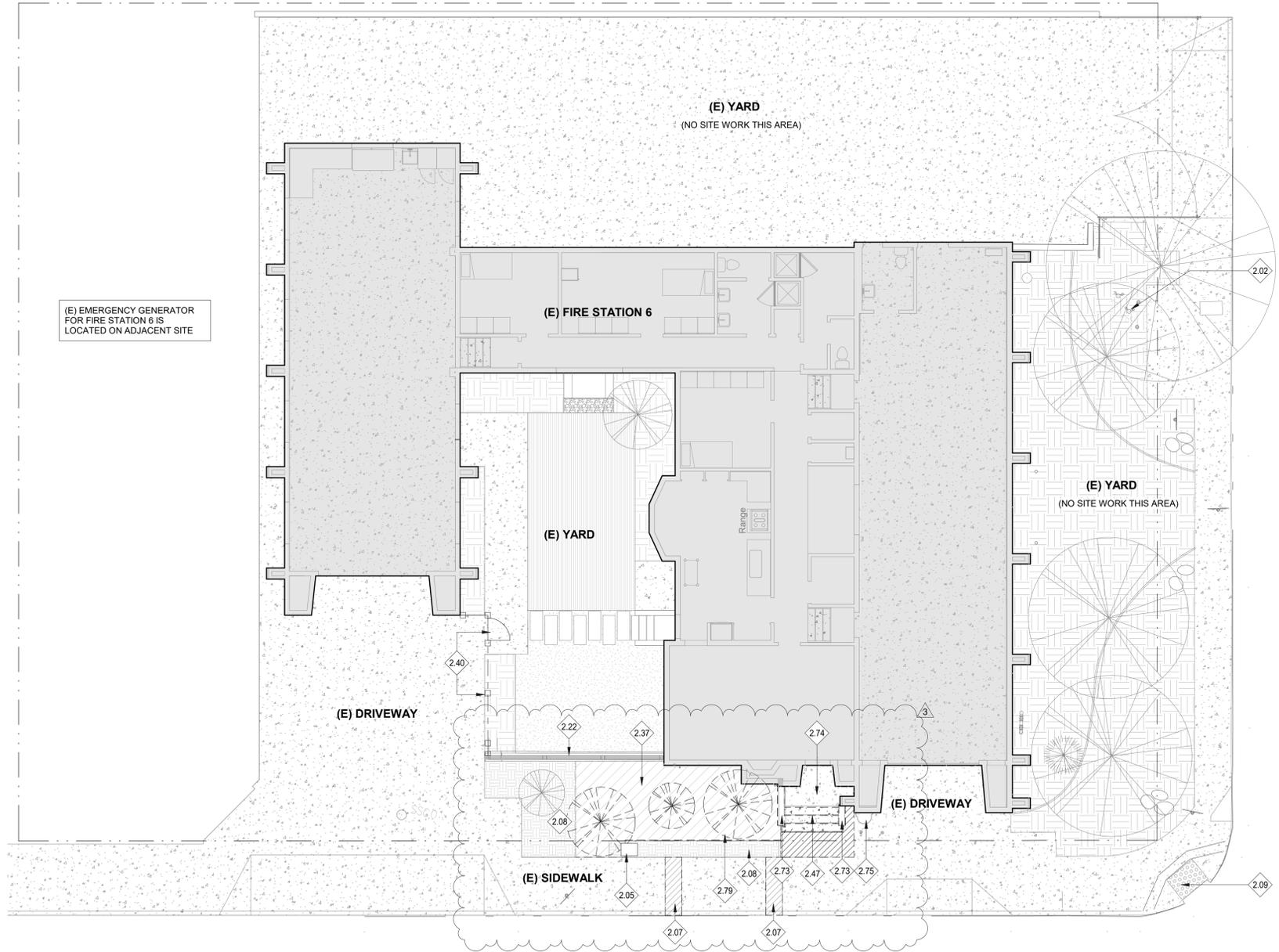


EROSION CONTROL LEGEND

- Δ — Δ — Δ — Δ — Δ — SILT FENCE, SEE CALIFORNIA STORMWATER HANDBOOK SE-1
- FIBER ROLL, SEE CALIFORNIA STORMWATER HANDBOOK SE-5
- ~> EXISTING DIRECTION OF FLOW
- PROPOSED DIRECTION OF FLOW
- STORM DRAIN INLET PROTECTION, SEE CALIFORNIA STORMWATER HANDBOOK SE-10
- PT PORTABLE TOILET WITH LINER, SEE CALIFORNIA STORMWATER HANDBOOK SC-50
- TW TIRE WASH, SEE CALIFORNIA STORMWATER HANDBOOK TC-3
- WD CONCRETE WASHOUT AREA, SEE CALIFORNIA STORMWATER HANDBOOK WM-8
- D DELIVERY AREA, SEE CALIFORNIA STORMWATER HANDBOOK WM-1
- S NON-HAZARDOUS STORAGE, SEE CALIFORNIA STORMWATER HANDBOOK WM-1
- STABILIZED CONSTRUCTION ENTRANCE / EXIT, SEE CALIFORNIA STORMWATER HANDBOOK TC-1

NOTES:

- DURING CONSTRUCTION ACTIVITIES, THE FOLLOWING AIR POLLUTION CONTROL MEASURES SHALL BE IMPLEMENTED:
- A. EXPOSED SURFACE (E.G., PARKING AREAS, STAGING AREAS, SOIL PILES, GRADED AREAS, AND UNPAVED ACCESS ROADS) SHALL BE WATERED TWO TIMES PER DAY OR MORE AS NEEDED.
 - B. ALL HAUL TRUCKS TRANSPORTING SOIL, SAND, OR OTHER LOOSE MATERIAL OFFSITE SHALL BE COVERED
 - C. ALL VISIBLE MUD OR DIRT TRACK-OUT ONTO ADJACENT PUBLIC ORADS SHALL BE REMOVED USING WET POWER VACUUM STREET SWEEPERS AT LEAST ONCE PER DAY. THE USE OF DRY POWER SWEEPING IS PROHIBITED.
 - D. ALL VEHICLE SPEEDS ON UNPAVED ROADS AND SURFACES SHALL BE LIMITED TO 15 MPH.
 - E. ALL ROADWAYS, DRIVEWAYS, AND SIDEWALKS SHALL BE PAVED AS SOON AS POSSIBLE.
 - F. A PUBLICLY VISIBLE SIGN SHALL BE POSTED WITH THE TELEPHONE NUMBER AND ISTE SUPERVISOR TO CONTACT REGARDING DUST COMPLAINTS. THIS PERSON SHALL RESPOND AND TAKE CORRECTIVE ACTION WITHIN 48 HOURS OF A COMPLAINT OR ISSUE NOTIFICATION. THE BAAQMD'S PHONE NUMBER SHALL ALSO BE VISIBLE TO ENSURE COMPLIANCE WITH APPLICABLE REGULATIONS. (MM AIR-2 AIR POLLUTION CONTROL MEASURES)



NINTH STREET

CEDAR STREET

GENERAL NOTES

1. VERIFY CONDITIONS IN FIELD PRIOR TO START OF CONSTRUCTION. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
2. EXISTING DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY. VERIFY DIMENSIONS IN FIELD.
3. PROTECT ALL EXISTING FINISHES AND ELEMENTS DURING CONSTRUCTION.
4. SEE TREE PRESERVATION, AIRSPACE TRENCHING NOTES, AND PROTECTION FENCING DIAGRAM.
5. ALL NEW MATERIALS AND CONSTRUCTION TO VOLUNTARILY COMPLY WITH WILDLAND URBAN INTERFACE (WUI) AND STATE FIRE MARSHAL LISTED WUI PRODUCTS HANDBOOK.

KEYNOTES

2.02	(E) FIRE DEPARTMENT CONNECTION TO REMAIN
2.05	(E) EBMUD IN-GRADE UTILITY BOX TO REMAIN, PROTECT IN PLACE
2.07	REMOVE PORTION OF (E) SIDEWALK, S.C.D.
2.08	(E) LANDSCAPE PLANTING AREA. SEE SHEET A110 FOR MORE INFO.
2.09	(E) CURB CUT WITH TRUNCATED DOMED DETECTABLE WARNINGS
2.22	(E) FENCE WITH WOOD TOP AND CONCRETE BASE TO REMAIN
2.37	REMOVE (E) LANDSCAPE PLANTING. SEE SHEET A110 FOR MORE INFO
2.40	(E) FENCING AND GATE TO REMAIN
2.47	REMOVE (E) CONC. STAIR
2.73	REMOVE (E) SIDE WALL
2.74	REMOVE (E) CONC. STAIR LANDING
2.75	(E) GAS METER TO REMAIN
2.79	REMOVE PART OF (E) LANDSCAPE PLANTING AREA AS REQUIRED FOR (N) WORK. SEE SHEET A110 FOR MORE INFO.

LEGEND

- (E) TREE
- (E) TREE TO REMOVE
- (E) PLANT
- (E) SITE ITEM TO REMAIN
- (E) SITE ITEM TO REMOVE OR SALVAGE
- (E) PLANTING AREA
- (E) CONC PAVING
- (E) DECOMPOSED GRANITE
- (E) LAWN
- (E) STONES
- (E) PLANTING AREA TO BE PREPARED FOR NEW PLANTING
- (E) PAVING TO BE DEMOLISHED
- (E) PLANTING TO BE REMOVED



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PROJECT:
**FIRE STATION NO. 6
REMODEL**

**999 CEDAR ST.
BERKELEY, CA 94710**

PROJECT NUMBER:
201320.32

CLIENT:
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PROJECT TEAM:
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REVISION		
NUMBER	DATE	DESCRIPTION
3	10/24/2025	PLAN CHECK RESPONSE #3

ISSUE: **PERMIT SET**

DATE: **05/23/2025**

STAMP:



SHEET TITLE:
**DEMOLITION SITE
PLAN**

SHEET NUMBER:
A101D

GENERAL NOTES

1. VERIFY CONDITIONS IN FIELD PRIOR TO START OF CONSTRUCTION. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
2. EXISTING DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY.
3. PROTECT ALL EXISTING FINISHES AND ELEMENTS DURING CONSTRUCTION.
4. SEE WINDOW SCHEDULE FOR LOCATIONS OF NEW WINDOW SHADE TREATMENTS.

KEYNOTES

2.20	REMOVE (E) WINDOW. SEE SHEET A302D FOR MORE INFO.
2.21	REMOVE (E) DOOR FOR REFURBISHING & INSTALLATION. SEE DOOR SCHEDULE
2.24	REMOVE (E) BLINDS
2.47	REMOVE (E) CONC. STAIR
2.73	REMOVE (E) SIDE WALL
2.74	REMOVE (E) CONC. STAIR LANDING
2.75	(E) GAS METER TO REMAIN
2.80	REMOVE PART OF (E) DOWNSPOUT AS REQUIRED FOR (N) WORK, S.C.D.

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urban design**

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PROJECT:
**FIRE STATION NO. 6
REMODEL**

999 CEDAR ST.
BERKELEY, CA 94710

PROJECT NUMBER:
201320.32

CLIENT:
CITY OF BERKELEY
1947 CENTER ST. 4TH FLOOR
BERKELEY, CA 94704

PROJECT TEAM:
ARCHITECT:
ELS ARCHITECTURE AND URBAN DESIGN
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RLJA INC.
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P: (510) 465-1284

CIVIL ENGINEER:
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REVISION		
NUMBER	DATE	DESCRIPTION
3	10/24/2025	PLAN CHECK RESPONSE #3

ISSUE:

PERMIT SET

DATE: **05/23/2025**

STAMP:



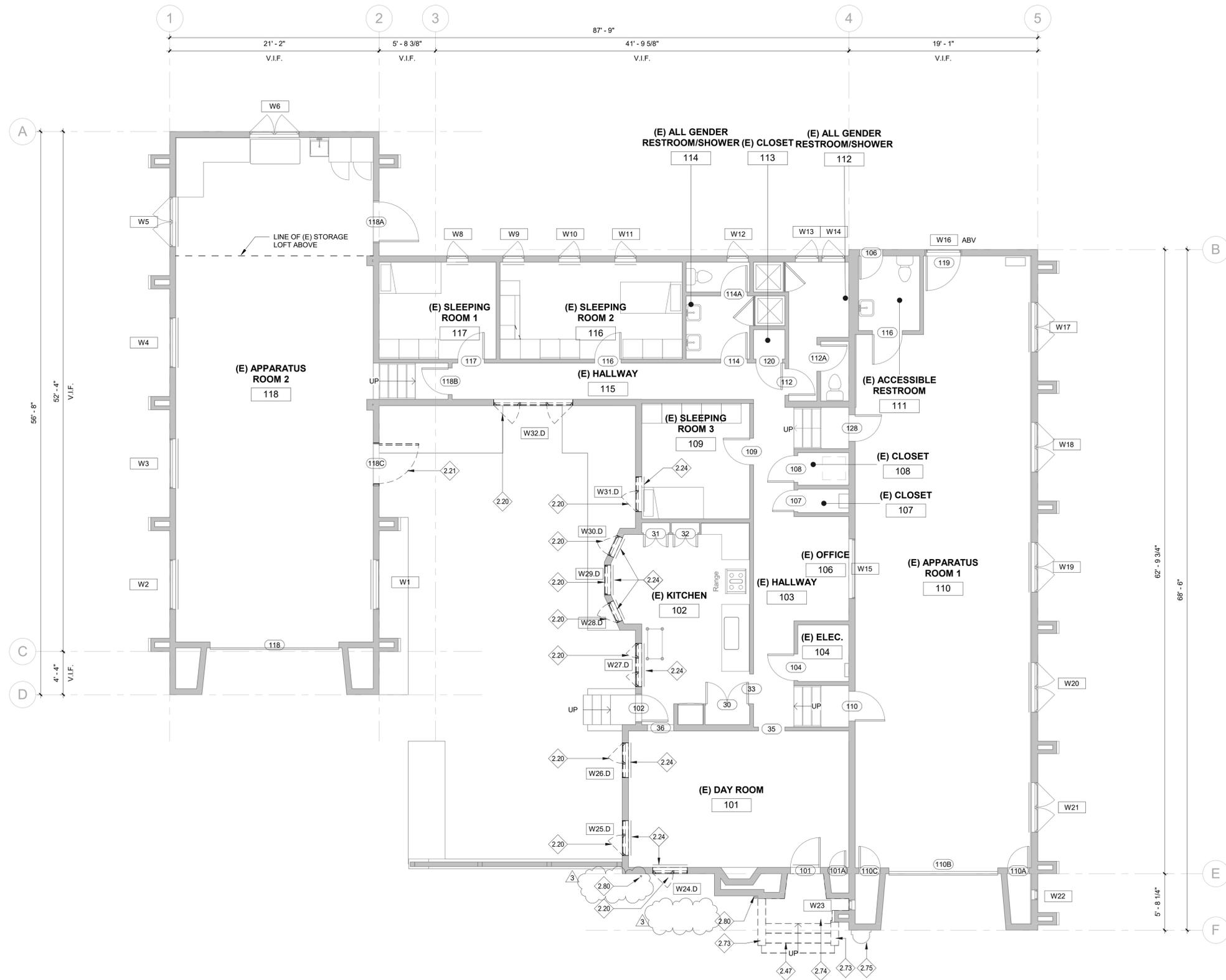
SHEET TITLE:
**DEMOLITION
FLOOR PLAN**

SHEET NUMBER:

A201D

LEGEND

- (E) WALL TO REMAIN
- REMOVE (E) PARTITION
- PROVIDE PARTITION
- (E) ITEM TO REMAIN
- REMOVE (E) ITEM
- PROVIDE ITEM
- REMOVE (E) DOOR
- PROVIDE DOOR
- REMOVE (E) FINISH FLOORING
- DOOR NUMBER, SEE SCHEDULE
- WINDOW NUMBER
- D SUFFIX INDICATES WINDOW TO BE DEMOLISHED



1 DEMOLITION PLAN
3/16" = 1'-0"

**FIRE STATION NO. 6
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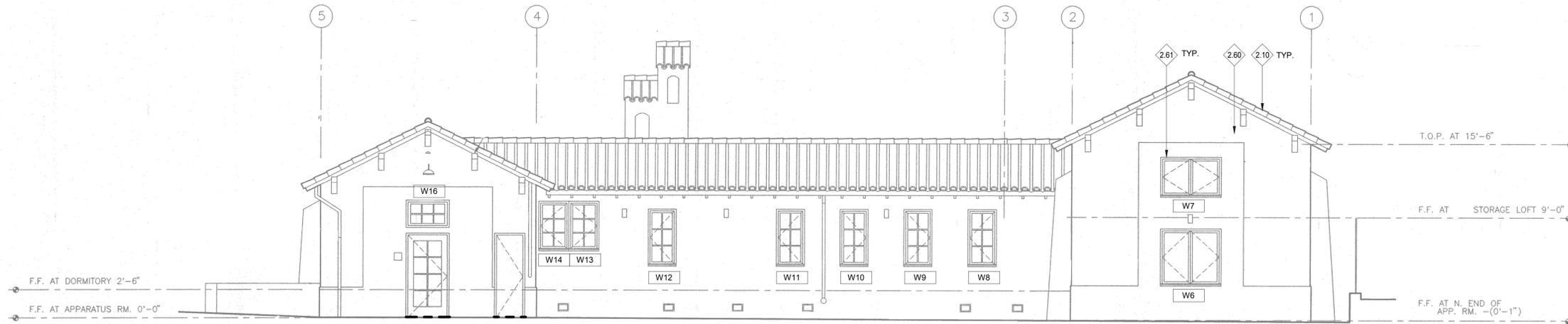
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NOTE: (E) ELEVATION FOR REFERENCE ONLY, NO WORK THIS AREA

2 NORTH ELEVATION - EXISTING
3/16" = 1'-0"



NOTE: (E) ELEVATION FOR REFERENCE ONLY, NO WORK THIS AREA

1 EAST ELEVATION - EXISTING
3/16" = 1'-0"

GENERAL NOTES

KEYNOTES

2.10	(E) CLAY TILE ROOF, TYP.
2.60	(E) PAINTED CEMENT PLASTER WALL FINISH
2.61	(E) WINDOW TO REMAIN

REVISION		
NUMBER	DATE	DESCRIPTION

ISSUE:
PERMIT SET

DATE:
05/23/2025

STAMP:



SHEET TITLE:
**EXISTING
ELEVATIONS**

SHEET NUMBER:

A301E

FOR
REFERENCE
ONLY

**FIRE STATION NO. 6
REMODEL**

999 CEDAR ST.
BERKELEY, CA 94710

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201320.32

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ISSUE:

PERMIT SET

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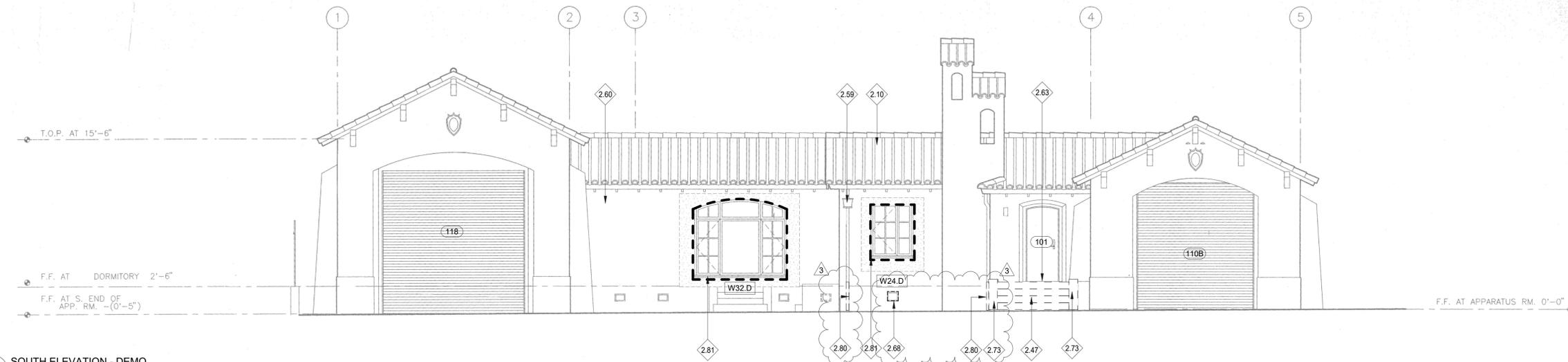


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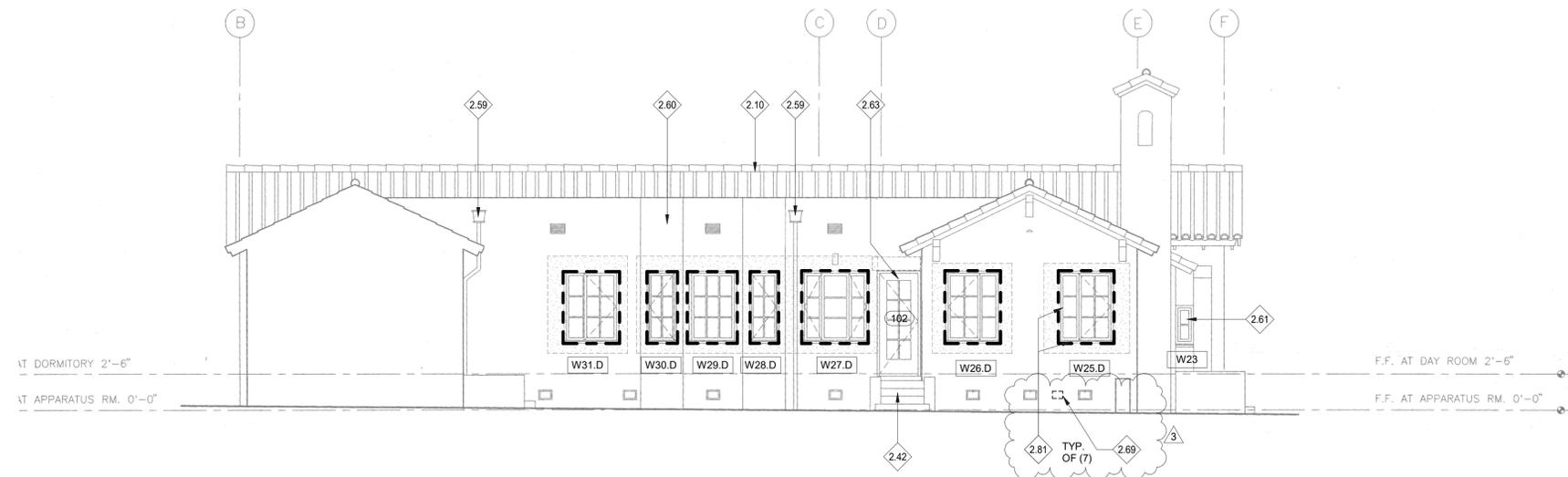
**DEMOLITION
ELEVATIONS**

SHEET NUMBER:

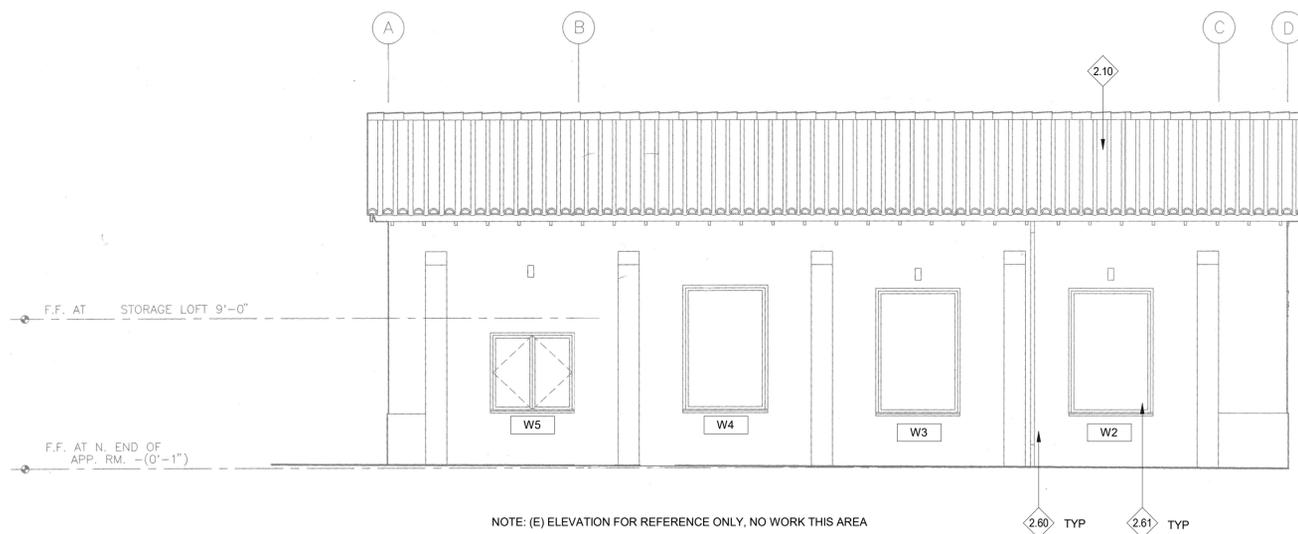
A302D



3 SOUTH ELEVATION - DEMO
3/16" = 1'-0"



2 EAST ELEVATION - COURTYARD - DEMO
3/16" = 1'-0"



NOTE: (E) ELEVATION FOR REFERENCE ONLY, NO WORK THIS AREA

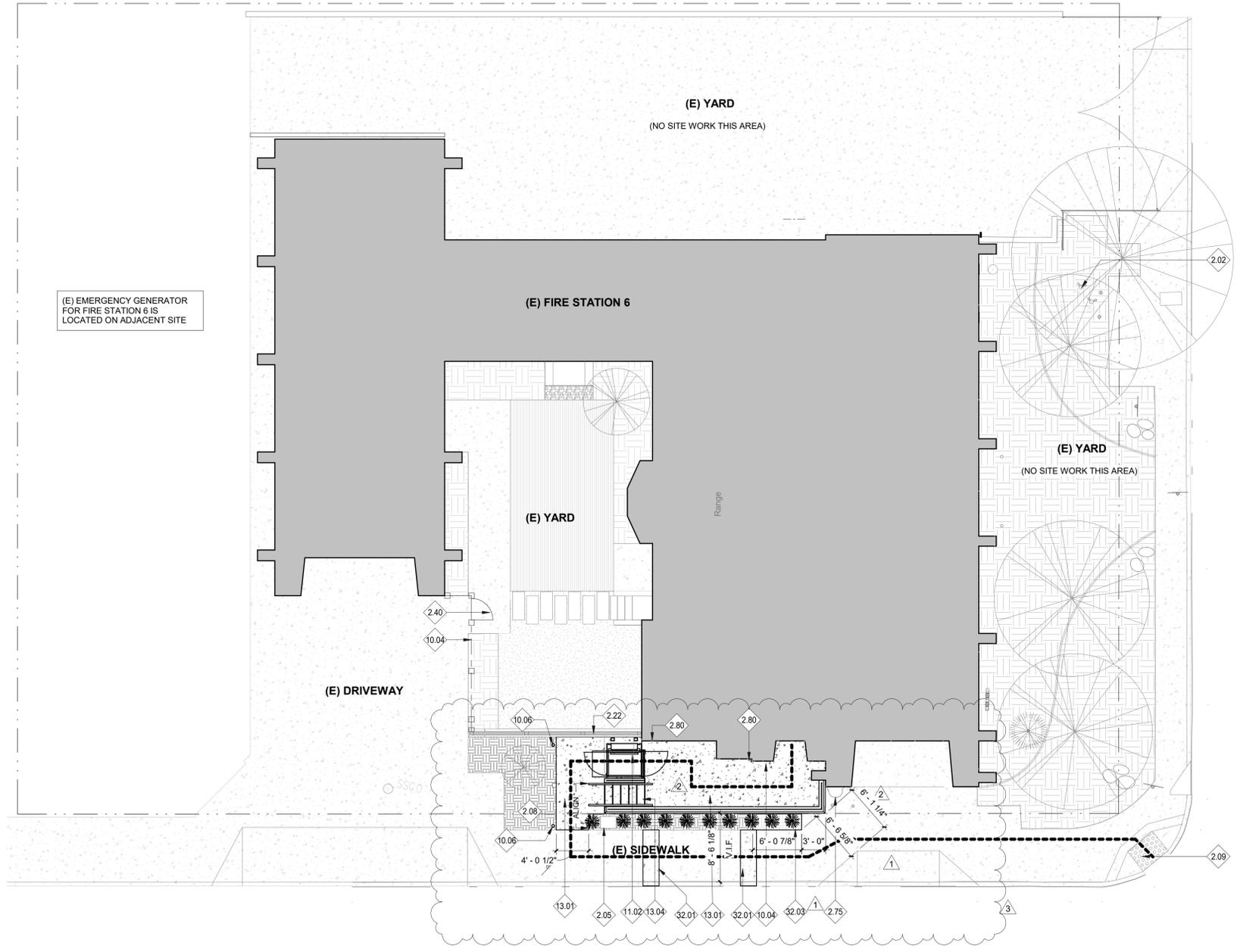
1 WEST ELEVATION - EXISTING
3/16" = 1'-0"

GENERAL NOTES

- VERIFY CONDITIONS IN FIELD PRIOR TO START OF CONSTRUCTION. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- EXISTING DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY.
- PROTECT ALL EXISTING FINISHES & ELEMENTS DURING CONSTRUCTION.
- AT EACH WINDOW TO BE REPLACES, CUT BACK (E) EXTERIOR CEMENT PLASTER 1'-0" MIN. AROUND PERIMETER OF WINDOW FOR INSTALLATION OF (N) WATERPROOFING & FLASHING. SEE SHEET A302 FOR MORE INFO.

KEYNOTES

2.10	(E) CLAY TILE ROOF, TYP.
2.42	(E) CONC STAIRS TO REMAIN
2.47	REMOVE (E) CONC. STAIR
2.59	(E) SCUPPER AND DOWNSPOUT TO REMAIN
2.60	(E) PAINTED CEMENT PLASTER WALL FINISH
2.61	(E) WINDOW TO REMAIN
2.63	(E) DOOR TO REMAIN
2.68	REMOVE AND RELOCATE (E) CRAWLSPACE VENT
2.69	REMOVE PORTION OF (E) WALL
2.73	REMOVE (E) SIDE WALL
2.80	REMOVE PART OF (E) DOWNSPOUT AS REQUIRED FOR (N) WORK, S.C.D.
2.81	REMOVE (E) WINDOW. SEE GENERAL NOTE 4 FOR MORE INFO.



NINTH STREET

CEDAR STREET

GENERAL NOTES

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2. EXISTING DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY. VERIFY DIMENSIONS IN FIELD.
3. PROTECT ALL EXISTING FINISHES AND ELEMENTS DURING CONSTRUCTION.
4. SEE TREE PRESERVATION, AIRSPADE TRENCHING NOTES, AND PROTECTION FENCING DIAGRAM.
5. ALL NEW MATERIALS AND CONSTRUCTION TO VOLUNTARILY COMPLY WITH WILDLAND URBAN INTERFACE (WUI) AND STATE FIRE MARSHAL LISTED WUI PRODUCTS HANDBOOK.

KEYNOTES

2.02	(E) FIRE DEPARTMENT CONNECTION TO REMAIN
2.05	(E) EBMUD IN-GRADE UTILITY BOX TO REMAIN, PROTECT IN PLACE
2.08	(E) LANDSCAPE PLANTING AREA. SEE SHEET A110 FOR MORE INFO.
2.09	(E) CURB CUT WITH TRUNCATED DOMED DETECTABLE WARNINGS
2.22	(E) FENCE WITH WOOD TOP AND CONCRETE BASE TO REMAIN
2.40	(E) FENCING AND GATE TO REMAIN
2.75	(E) GAS METER TO REMAIN
2.80	REMOVE PART OF (E) DOWNSPOUT AS REQUIRED FOR (N) WORK, S.C.D.
10.04	ACCESSIBLE ENTRANCE DIRECTIONAL SIGN. SEE DOOR SCHEDULE
10.06	BOLLARD LIGHT, TYP OF (2), S.E.D.
11.02	OPEN-AIR VERTICAL PLATFORM LIFT ON CONC. PAD, W/ STRAIGHT-THRU CONFIGURATION, POWER-OPERATED GATES, & FLIP-DOWN FOLDING RAMP/ THRESHOLD
13.01	CONC. PAD & LANDING
13.04	CONC. STAIR W/ STEEL HANDRAIL & PARTIAL HT. CEMENT PLASTER WALL BOTH SIDES
32.01	NEW PORTION OF SIDEWALK, S.C.D.
32.03	AREA OF NEW PLANTING ALIGN WITH FACE OF EXISTING PLANTING

LEGEND

- (E) TREE (CANOPY SIZE SHOWN ON DRAWINGS REPRESENTS THE APPROXIMATE EXTENT OF "DRIPLINE" WHICH IS REFERRED AT THE "TPZ" ON THE TREE PROTECTION NOTES ON A002)
- (N) PLANT
- (E) SITE ITEM TO REMAIN
- (N) OR NEWLY INSTALLED SITE ITEM
- (E) PLANTING AREA
- (E) CONC PAVING
- (E) DECOMPOSED GRANITE
- (E) LAWN
- (E) STONES
- (E) OR (N) PLANTING AREA WITH NEW PLANTING, SEE A110
- (N) CONC PAVING
- ACCESSIBLE PATH OF TRAVEL



1 SITE PLAN
1/8" = 1'-0"

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REVISION		
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1	08/05/2025	PLAN CHECK RESPONSE #1
2	09/19/2025	PLAN CHECK RESPONSE #2
3	10/24/2025	PLAN CHECK RESPONSE #3

ISSUE:
PERMIT SET

DATE:
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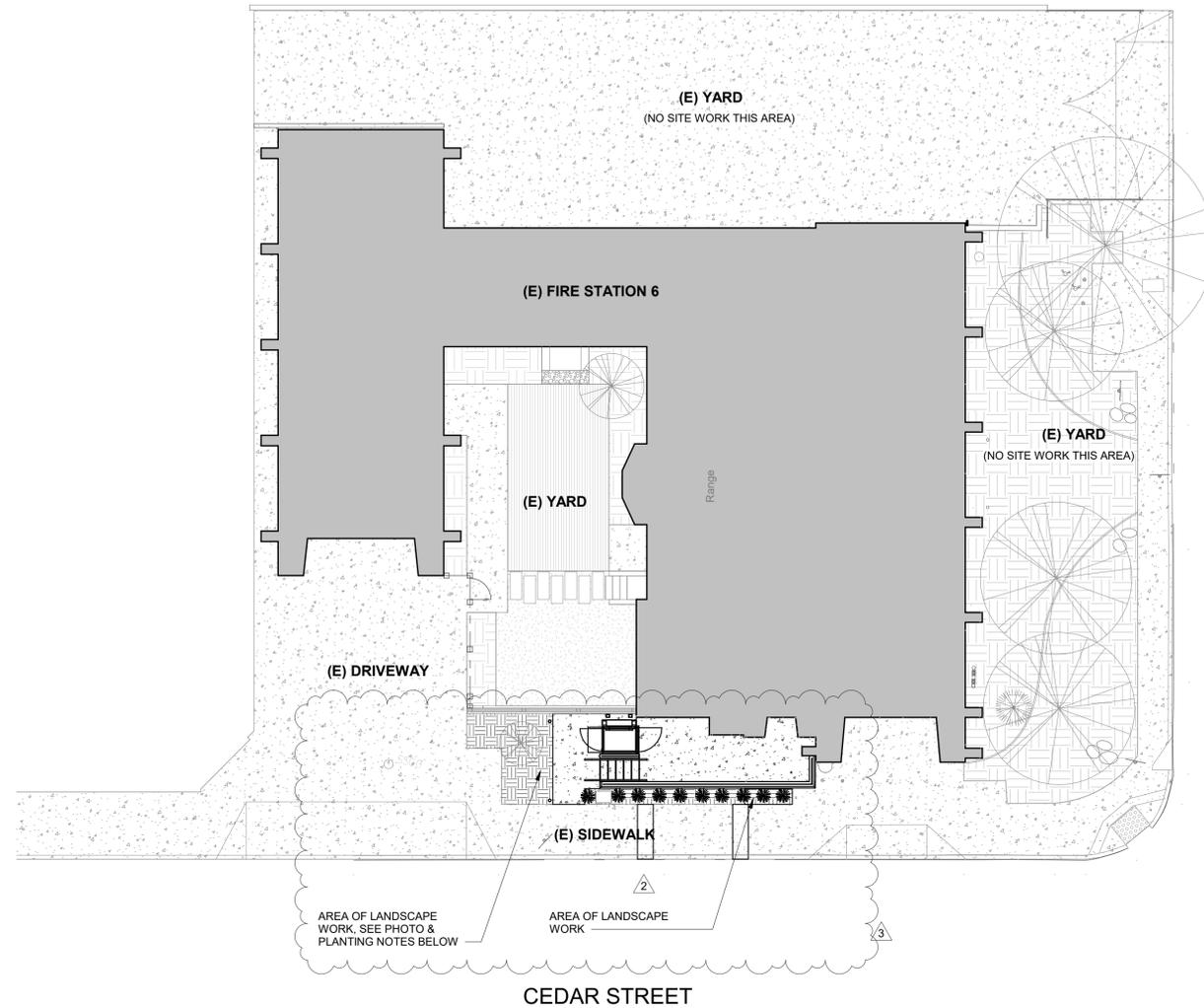
STAMP:



SHEET TITLE:
SITE PLAN

SHEET NUMBER:

A101



1 LANDSCAPE KEY PLAN
3/32" = 1'-0"

PLACE PROTECTION FENCING AROUND TREES AND SHRUBS TO REMAIN. PUT FENCING IN PLACE BEFORE CONSTRUCTION BEGINS AND LEAVE IN PLACE UNTIL ALL OF THE ADJACENT CONSTRUCTION IS COMPLETED. DO NOT ALLOW STORAGE OF ANY TOOLS, MATERIALS OR MACHINERY WITHIN THE PROTECTION AREA. WE RECOMMEND RETAINING THE PHORMIUM AND OTHER ESTABLISHED SHRUBS IN GOOD CONDITION

REMOVE 'RANGEY' SMALL SUCCULENTS - SEDUM AND SENECIO, REPLACE WITH A LOW GROWING AND LOW WATER USE PLANTS. RECOMMENDATIONS IN THE LIST ABOVE. NOTE THE SPACING AND MATURE HEIGHT. PLACE TALLER PLANTS BEHIND LOWER PLANTS TO CREATE A LAYERED EFFECT. ITS SUGGESTED THAT 2-3 SPECIES ARE SELECTED FROM THE LIST ABOVE AND GROUPING EACH SPECIES TOGETHER WITH AT LEAST 3 TOGETHER

VIEW OF EXISTING SOUTH ENTRANCE



PROPOGATE AND REPLANT SMALL AGAVES WHERE SUCCULENTS HAVE BEEN REMOVED

GENERAL NOTES

RECOMMENDED LOW PLANTING:

CA NATIVES:
 ACHILLEA MILLEFOLIUM - YARROW; 18" WIDE & 2' HIGH
 ERIGERON GLAUCUS - SEASIDE DAISY; 18" WIDE & 6" HIGH
 EPILOBUM CANUM - CALIFORNIA FUCHSIA; 2'-6" WIDE & 18" HIGH

NON NATIVES:
 LOMANDRA LONGIFOLIA 'BREEZE' - DWARF MAT RUSH; 3' WIDE & 2-3' HIGH
 TEUCRIUM CHAMAEDRYS - GERMANDER; 2-3' WIDE & 1-2' HIGH
 EXISTING AGAVE PROPOGATIONS (ALLOW ABOUT 3' SPACING)

KEYNOTES



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PROJECT:

**FIRE STATION NO. 6
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CITY OF BERKELEY
 1947 CENTER ST. 4TH FLOOR
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REVISION

NUMBER	DATE	DESCRIPTION
2	09/19/2025	PLAN CHECK RESPONSE #2
3	10/24/2025	PLAN CHECK RESPONSE #3

ISSUE:

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DATE:

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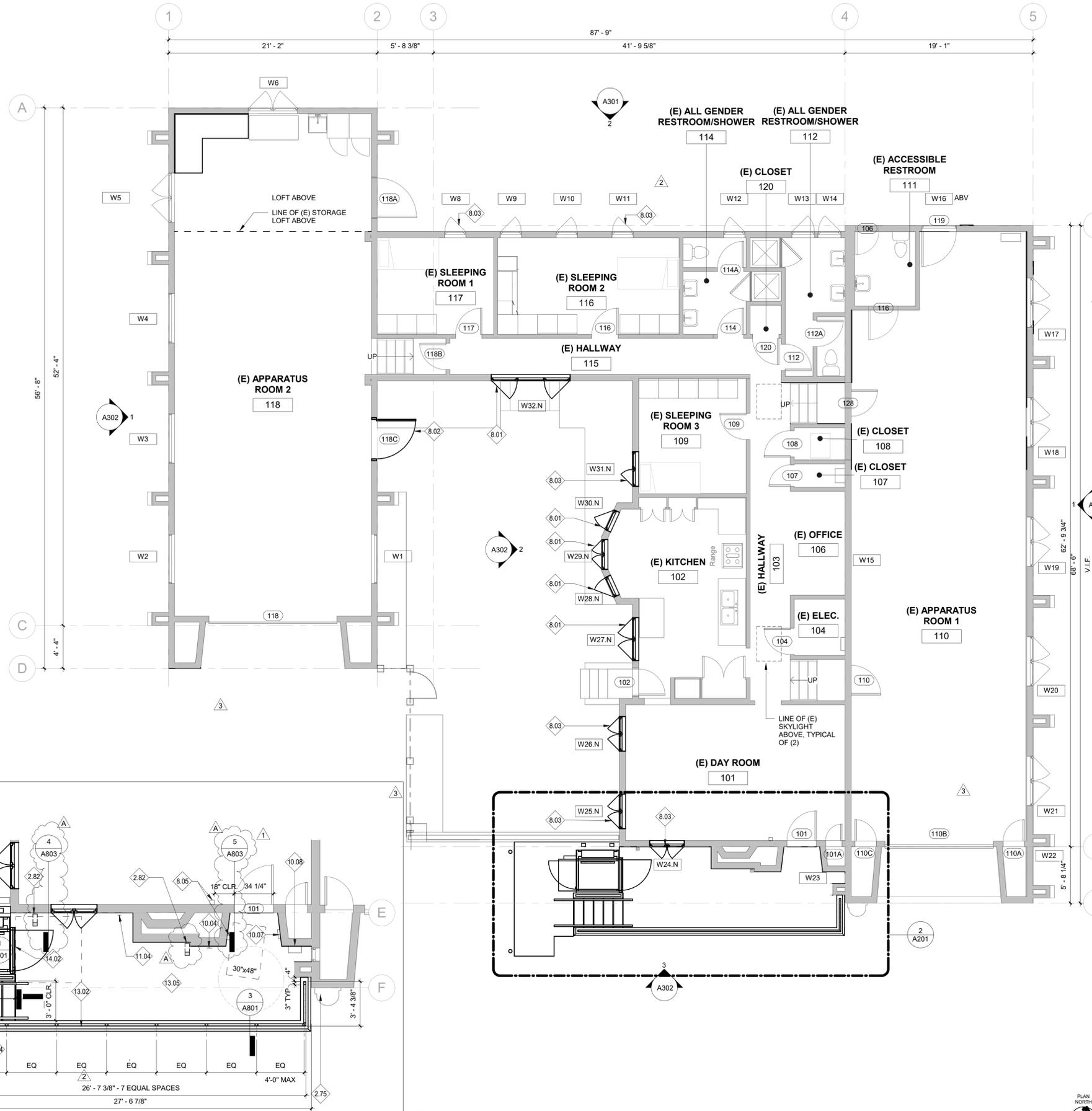


SHEET TITLE:

PLANTING NOTES

SHEET NUMBER:

A110



GENERAL NOTES

1. VERIFY CONDITIONS IN FIELD PRIOR TO START OF CONSTRUCTION. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
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3. PROTECT ALL EXISTING FINISHES AND ELEMENTS DURING CONSTRUCTION.
4. SEE WINDOW SCHEDULE FOR LOCATIONS OF NEW WINDOW SHADE TREATMENTS.

KEYNOTES

- | | |
|-------|---|
| 2.75 | (E) GAS METER TO REMAIN |
| 2.82 | (E) DOWNSPOUT CONNECTED TO STORM WATER PIPING BELOW LANDING, S.C.D. |
| 8.01 | PROVIDE WINDOW, SEE SCHEDULE |
| 8.02 | REINSTALL REPAIRED EXISTING DOOR, SEE DOOR SCHEDULE |
| 8.03 | REPLACE WINDOW, SEE GENERAL NOTE 3 & 4 AND WINDOW SCHEDULE FOR MORE INFO. |
| 8.05 | WALL MOUNTED PUSH PLATE DOOR ACTUATOR. SEE 6/A004 FOR ACC. MOUNTING REQUIREMENTS. ALIGN TO CENTER OF LIGHT ABOVE. |
| 10.04 | ACCESSIBLE ENTRANCE DIRECTIONAL SIGN. SEE DOOR SCHEDULE |
| 10.06 | BOLLARD LIGHT, TYP OF (2), S.E.D. |
| 10.07 | RELOCATE (E) INTERCOM CALL BOX SO THAT CENTRINE OF CALL BUTTON IS 40" MAX. ABOVE LANDING. SEE SHEET A302. GENERAL NOTE 5 FOR PATCHING & PAINTING (E) EXTERIOR CEMENT PLASTER |
| 10.08 | RELOCATE (E) MAILBOX SO THAT TOP OF MAILBOX IS 40" MAX. ABOVE LANDING. SEE SHEET A302. GENERAL NOTE 5 FOR PATCHING & PAINTING (E) EXTERIOR CEMENT PLASTER |
| 11.03 | PEDESTAL POWER-OPERATED GATE CALL STATION AT LOWER LANDING W/ SIGN. CONTROL SWITCH @ 30" ABOVE LOWER LANDING |
| 11.04 | WALL MOUNTED POWER-OPERATED GATE CALL STATION AT UPPER LANDING. CONTROL SWITCH @ 40" MAX. ABOVE UPPER LANDING |
| 13.01 | CONC. PAD & LANDING |
| 13.02 | GALVANIZED STEEL, PTD GUARDRAIL AND STAINLESS STEEL CABLE RAILING SYSTEM WITH WOOD TOP RAIL |
| 13.04 | CONC. STAIR W/ STEEL HANDRAIL & PARTIAL HT. CEMENT PLASTER WALL BOTH SIDES |
| 13.05 | CONC. LANDING |
| 14.02 | OPEN-AIR VERTICAL PLATFORM LIFT ON CONC. PAD, W/ STRAIGHT-THRU CONFIGURATION, POWER-OPERATED GATES, & FLIP-DOWN FOLDING RAMP/ THRESHOLD WITH T-TOWER SUPPORT STRUCTURE BY MANUFACTURER, GARAVENTA LIFT, GENESIS OPAL UNENCLOSED VERTICAL PLATFORM LIFT, STANDARD SIZE. SUPPORT ANCHORED TO CONCRETE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE PAINT FINISH AT ALL SUPPORTS. LIFT SHALL INCLUDE MODIFICATIONS RECOMMENDED BY MANUFACTURER FOR RELIABLE PERFORMANCE IN OUTDOOR CLIMATE OF PROJECT SITE. |

LEGEND

- (E) WALL TO REMAIN
- (N) PARTITION
- (N) FIRE RATED PARTITION
- (E) ITEM TO REMAIN
- (N) ITEM
- (N) DOOR OR NEWLY INSTALLED SALVAGED DOOR, SEE SCHEDULE
- (E) DOOR TO REMAIN, SEE SCHEDULE
- ### DOOR NUMBER, SEE SCHEDULE
- WR.N WINDOW NUMBER
- N SUFFIX INDICATED NEW OR REPLACED WINDOW
- (N) RAISED FLOOR. AREA INCLUDED FOR NFVA CALCULATIONS. SEE GENERAL NOTES 4.



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FIRE STATION NO. 6 REMODEL

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201320.32

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3	10/24/2025	PLAN CHECK RESPONSE #3
A	11/11/2025	BID ADDENDUM 1

ISSUE:
PERMIT SET

DATE:
05/23/2025



SHEET TITLE:
FLOOR PLAN

SHEET NUMBER:

A201

2 ENLARGED SOUTH ENTRANCE PLAN
1/4" = 1'-0"

1 FLOOR PLAN
3/16" = 1'-0"



ADDRESS SIGN EXHIBIT



997

MATCH ADDRESS SIGN HEIGHT MATERIAL, AND FONT.

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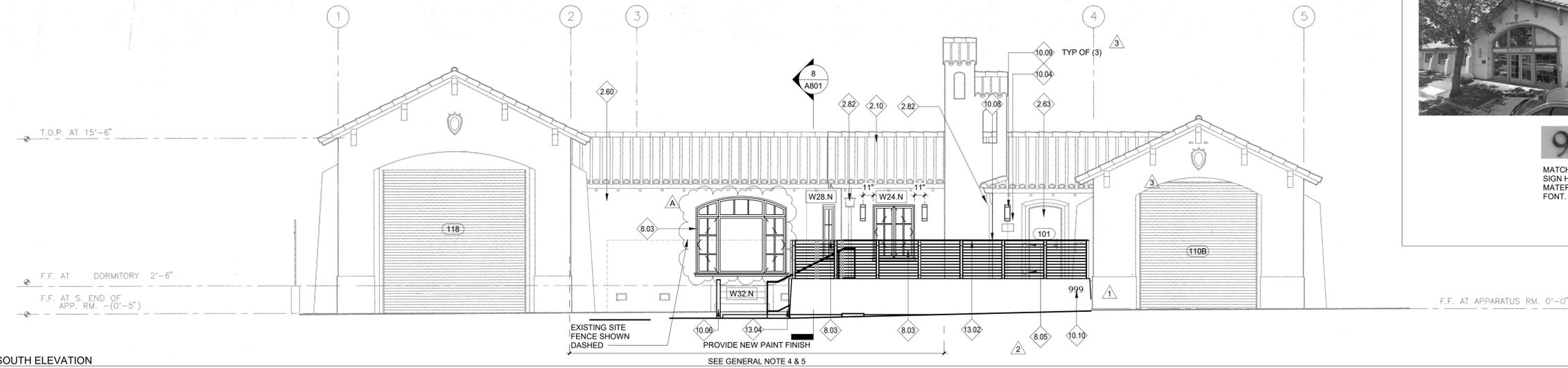


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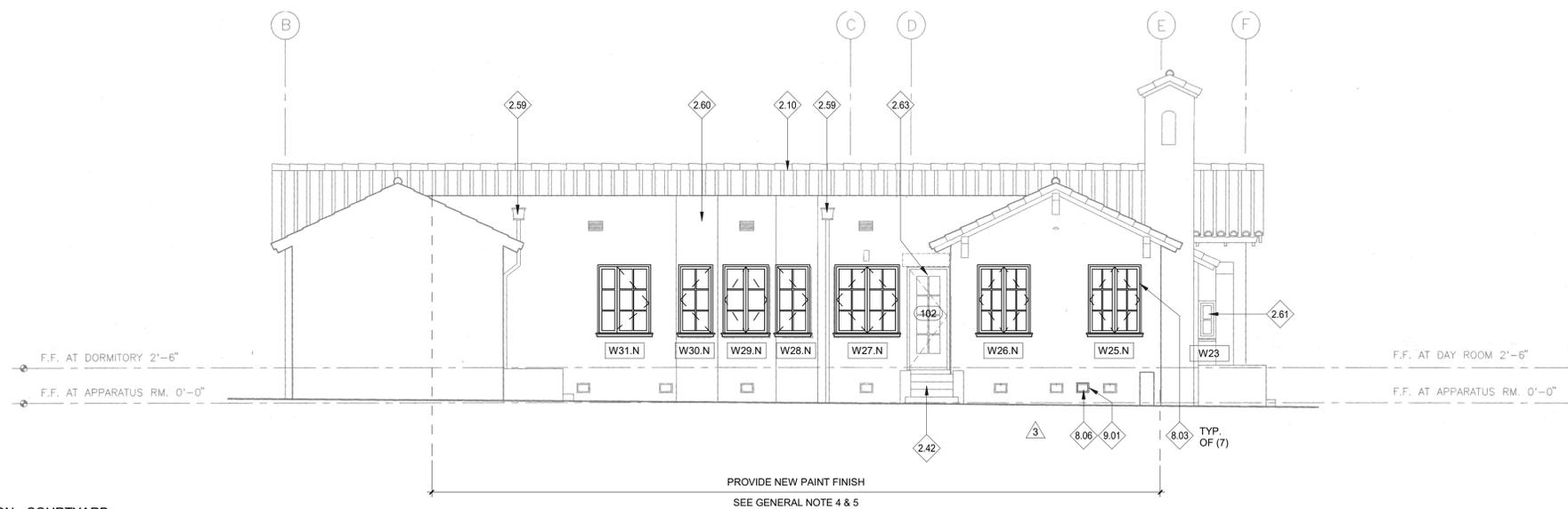
**EXTERIOR
ELEVATIONS**

SHEET NUMBER:

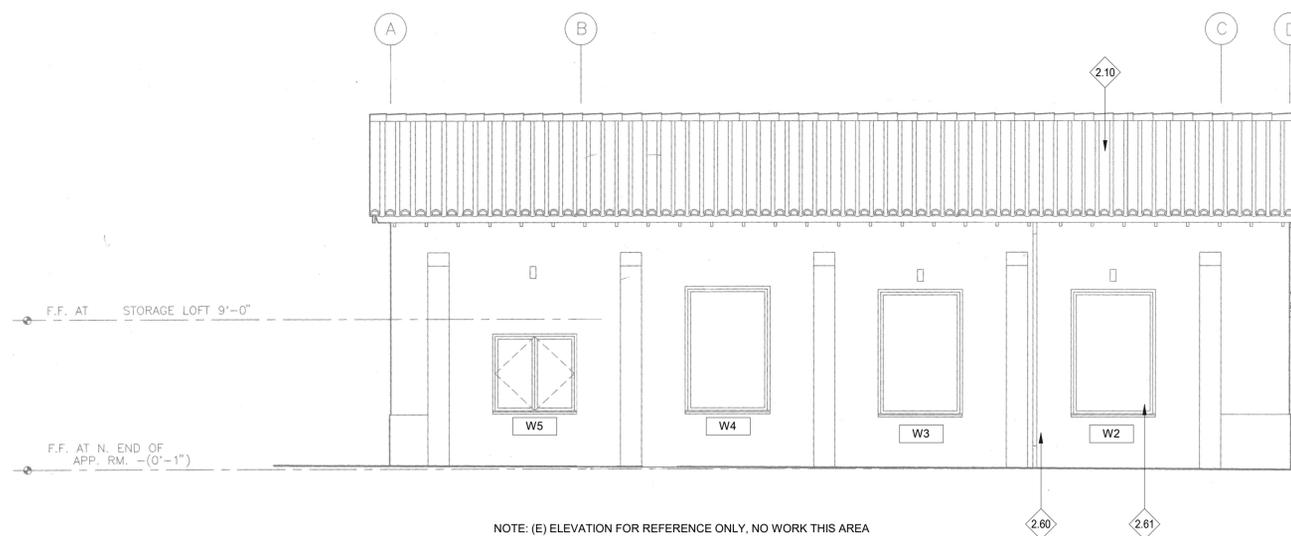
A302



3 SOUTH ELEVATION
3/16" = 1'-0"



2 EAST ELEVATION - COURTYARD
3/16" = 1'-0"



1 WEST ELEVATION - EXISTING
3/16" = 1'-0"

GENERAL NOTES

- VERIFY CONDITIONS IN FIELD PRIOR TO START OF CONSTRUCTION. BRING DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- EXISTING DIMENSIONS ARE PROVIDED FOR CONVENIENCE ONLY.
- PROTECT ALL EXISTING FINISHES & ELEMENTS DURING CONSTRUCTION.
- AT EACH WINDOW TO BE REPLACED, CUT BACK (E) EXTERIOR CEMENT PLASTER 1'-0" MIN. AROUND PERIMETER OF WINDOW FOR INSTALLATION OF (N) WATERPROOFING & FLASHING & TIE IN TO (E). PATCH EXTERIOR CEMENT PLASTER TO MATCH TEXTURE OF ADJACENT (E) EXTERIOR CEMENT PLASTER FINISH. SEE WINDOW SCHEDULE FOR MORE INFO.
- AT LOCATIONS OF PATCHING EXTERIOR CEMENT PLASTER AT AREAS OF (N) WORK, INCLUDING, BUT NOT LIMITED TO, REPLACEMENT OF WINDOWS, INSTALLATION OF PLATFORM LIFT, REFURBISHING & REINSTALLATION OF (E) DOORS, & RELOCATING (E) BLDG. ELEMENTS:
 - MATCH TEXTURE OF ADJACENT (E) EXTERIOR CEMENT PLASTER FINISH
 - PAINT EXTERIOR WALL IN ITS ENTIRETY TO NEAREST CORNER OR CHANGE IN PLANE TO MATCH ADJACENT (E) PAINT
 - PAINTING OF EXTERIOR WALL NOT REQUIRED AT AREAS WHERE (E) EXTERIOR CEMENT PLASTER HAS NOT BEEN IMPACTED

KEYNOTES

2.10	(E) CLAY TILE ROOF, TYP.
2.42	(E) CONC STAIRS TO REMAIN
2.59	(E) SCUPPER AND DOWNSPOUT TO REMAIN
2.60	(E) PAINTED CEMENT PLASTER WALL FINISH
2.61	(E) WINDOW TO REMAIN
2.63	(E) DOOR TO REMAIN
2.82	(E) DOWNSPOUT CONNECTED TO STORM WATER PIPING BELOW LANDING, S.C.D.
8.03	REPLACEMENT WINDOW. SEE GENERAL NOTE 3 & 4 AND WINDOW SCHEDULE FOR MORE INFO.
8.05	WALL MOUNTED PUSH PLATE DOOR ACTUATOR. SEE 6/A004 FOR ACC. MOUNTING REQUIREMENTS. ALIGN TO CENTER OF LIGHT ABOVE.
8.06	INSTALL SALVAGED CRAWLSPACE VENT
9.01	PATCH AND REPAIR CEMENT PLASTER
10.04	ACCESSIBLE ENTRANCE DIRECTIONAL SIGN. SEE DOOR SCHEDULE
10.06	BOLLARD LIGHT, TYP OF (2), S.E.D.
10.08	RELOCATE (E) MAILBOX SO THAT TOP OF MAILBOX IS 40" MAX. ABOVE LANDING. SEE SHEET A302, GENERAL NOTE 5 FOR PATCHING & PAINTING (E) EXTERIOR CEMENT PLASTER
10.09	PROVIDE (N) LIGHT FIXTURE, S.E.D. LIGHT FIXTURE IS ADA COMPLIANT AND HAS A 4" MAXIMUM PROJECTION FROM THE WALL. SEE SHEET A302, GENERAL NOTE 5 FOR PATCHING & PAINTING (E) EXTERIOR CEMENT PLASTER
10.10	PROVIDE DIMENSIONAL, METAL ADDRESS NUMBERS PINNED OFF WALL. LETTERS TO MATCH THE EXISTING TYPE STYLE AND SIZE AS THE ADJACENT ADDRESS NUMBERS AT 997 CEDAR STREET. SEE EXHIBIT ON THIS SHEET.
13.02	GALVANIZED STEEL, PTD GUARDRAIL AND STAINLESS STEEL CABLE RAILING SYSTEM WITH WOOD TOP RAIL
13.04	CONC. STAIR W/ STEEL HANDRAIL & PARTIAL HT. CEMENT PLASTER WALL BOTH SIDES

DOOR SCHEDULE																			
DOOR #	LOCATION	OPENING DOOR SIZE			DOOR				CASING				DETAILS			HDIWR GROUP	SIGN TYPE	DOOR SHADE	COMMENTS
		WIDTH	HEIGHT	THICKNESS	TYPE	MATL	FIN	(N) OR (E)	TYPE	MATL	(N) OR (E)	FIN	HEAD	JAMB	SILL				
101	EXT	2'-10 1/4"	7'-0"	1 3/4"	-	-	-	(E)	-	(E) WD	(E)	-	-	-	7/A801	01	1,2,3,4	-	1, 4, 5
118C	EXT	4'-0"	7'-6"	1 3/4"	A	(E) SCWD / (N)GLASS	PNT	(E)	1&2	(E) WD	(E)	(E) STAIN / (E)PNT	-	-	-	-	-	-	2, 3

⚠

HARDWARE GROUP

HARDWARE GROUP 01
Table of Contents

M#	Catalog Number	Description
IVE	LG14	LOCK GUARD
LCN	9531 MS AS REQ (120/240 VAC)	SURF. AUTO OPERATOR
LCN	8310-883T	ACTUATOR, TOUCH
LCN	8310-836T	ACTUATOR, TOUCH
SCE	653-04	KEY SWITCH
SCH	LV9080T 817L	STOREROOM LOCK
SCH	20-740	PRIMUS CORE
SCH	26-091 ICX	MORTISE CYLINDER
SCH	20-740	PRIMUS CORE
VON	6211 FSE SEC 12/16/24/28 VAC/VDC	ELECTRIC STRIKE

DOOR SCHEDULE COMMENT KEY

- (E) TO REMAIN DOOR WITH NO NEW WORK (WITH THE EXCEPTION OF SIGNAGE PROVIDED ON WALL ADJACENT. SEE SIGN TYPES).
- REMOVE (E) DOOR, REPLACE (E) INSULATED GLAZING UNIT WITH A (N) TEMPERED CLEAR GLASS INSULATED GLAZING UNIT. REPAINT TO MATCH EXISTING PAINT AND REINSTALL DOOR WITHIN THE (E) FRAME.
- DOOR GLAZING WILL MEET SPECIFICATIONS BELOW:
U-FACTOR: 0.32
SOLAR HEAT GAIN COEFFICIENT (SHGC): 0.22
VISIBLE TRANSMITTANCE: 0.36
- DOOR THRESHOLDS COMPLY WITH CBC 11B-404.2.5. VERTICAL CHANGE IN LEVEL AT DOOR THRESHOLDS SHALL BE 1/4" MAX. IN COMPLIANCE W/ CBC SECTION 11B-302.2. BEVELED CHANGE IN LEVEL AT DOOR THRESHOLDS BETWEEN 1/4" AND 1/2" MAX. SHALL HAVE A SLOPE NOT STEEPER THAN 1:2 IN COMPLIANCE W/ SECTION 11B-303.2.
- PROVIDE DOOR ACTUATOR HARDWARE, ELECTRICAL NEEDS, AND ASSOCIATED ACCESSORIES TO MEET CBC 11B-404.3.

DOOR SCHEDULE SIGN TYPES

- ACCESSIBLE ENTRY DIRECTIONAL SIGNAGE*, WALL SIGN, SEE 1/A004
 - (E) SURRENDER SITE SIGN, WALL SIGN ADJACENT TO DOOR
 - CALL BUTTON SIGN, WALL SIGN ADJACENT TO DOOR, SEE 2/A004
 - NO SMOKING SIGN, SEE 4/A004
- *PROVIDE ADDITIONAL SIGN AT EXTERIOR COURTYARD GATE, SEE SITE PLAN FOR LOCATIONS OF SIGN TYPE 1.

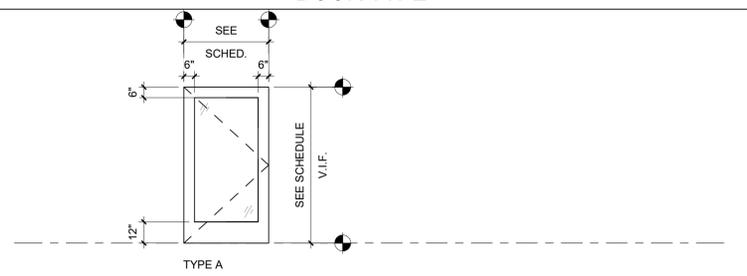
WINDOW SCHEDULE

Mark	R.O.			MATERIAL	(E) OR (N)	FINISH	HEAD	JAMB	SILL	GLAZING		HEAD HEIGHT	SCREEN	SHADE	COMMENTS
	WIDTH	HEIGHT	TYPE							THICKNESS	TYPE				
W24.N	3'-6"	4'-8"	A	ALUM CLAD WD	(N)	PTD					CLEAR	6'-8"	YES	SHD-2	1
W25.N	3'-6"	4'-8"	A	ALUM CLAD WD	(N)	PTD					CLEAR	7'-0"	YES	SHD-2	1
W26.N	3'-6"	4'-8"	A	ALUM CLAD WD	(N)	PTD					CLEAR	7'-0"	YES	SHD-2	1
W27.N	4'-4"	4'-8"	D	ALUM CLAD WD	(N)	PTD					CLEAR	7'-0"	YES	SHD-1	1
W28.N	2'-2"	4'-8"	B	ALUM CLAD WD	(N)	PTD					CLEAR	7'-0"	YES	SHD-1	1
W29.N	3'-0"	4'-8"	C	ALUM CLAD WD	(N)	PTD					CLEAR	7'-0"	YES	SHD-1	1
W30.N	2'-2"	4'-8"	B	ALUM CLAD WD	(N)	PTD					CLEAR	7'-0"	YES	SHD-1	1
W31.N	3'-6"	4'-8"	G	ALUM CLAD WD	(N)	PTD					CLEAR	7'-0"	YES	SHD-2	1,3
W32.N	8'-0"	6'-10"	E	ALUM CLAD WD	(N)	PTD					CLEAR	7'-5"	YES	-	1,2

WINDOW SCHEDULE COMMENT KEY

- AT EACH WINDOW TO BE REPLACED:
 - CUT BACK (E) EXTERIOR CEMENT PLASTER 1'-0" MIN. AROUND PERIMETER OF WINDOW FOR INSTALLATION OF (N) WATERPROOFING & FLASHING. SEE SHEET A302 FOR MORE INFO.
 - PROVIDE CUSTOM WINDOWS - BASIS OF DESIGN ANDERSEN E-SERIES OR EQUAL - WITH EXTERIOR CUSTOM ALUMINUM CLADDING COLOR TO MATCH (E) WINDOWS, WITH INTERIOR WOOD PAINTED TO MATCH (E).
 - PROVIDE TRUE DIVIDED LITES.
- REINSTALL EXISTING DECORATIVE STAINED GLASS WINDOW TREATMENT AT INTERIOR SIDE OF WINDOW.
- EMERGENCY ESCAPE AND RESCUE WINDOW, SEE WINDOW SCHEDULE GENERAL NOTES #3.

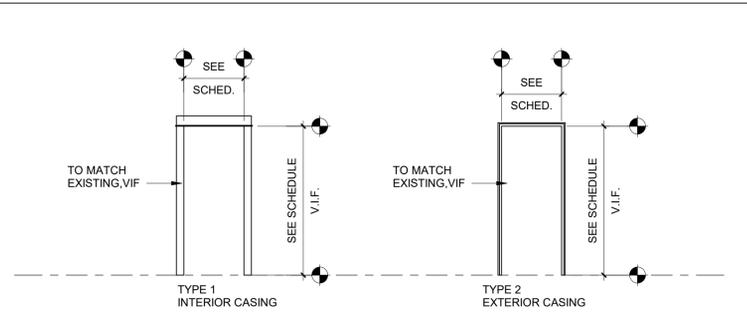
DOOR TYPE



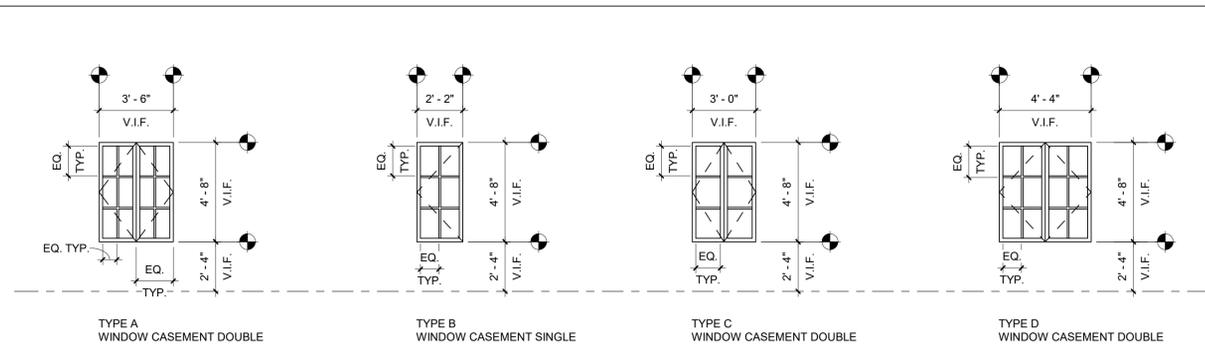
WINDOW SCHEDULE GENERAL NOTES

- NEW REPLACEMENT WINDOW DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. FIELD VERIFY EXISTING ROUGH OPENING DIMENSIONS PRIOR TO INSTALLATION OF NEW REPLACEMENT WINDOWS. FIELD VERIFY DIMENSIONS OF WINDOWS TO RECEIVE NEW WINDOW SHADES
- USE SAFETY GLAZING AT PANELS WITH CONDITIONS THAT INCLUDE AT LEAST ONE OR MORE OF THE FOLLOWING:
 - WITHIN 24" OF A CLOSED DOOR WHERE THE BOTTOM EDGE OF THE PANEL IS LESS THAN 60" A.F.F. OR GRADE.
 - WHERE AN INDIVIDUAL PANEL IS GREATER THAN 9' SQFT, WITH A BOTTOM EDGE LESS THAN 18" A.F.F. OR GRADE, AND A TOP EDGE GREATER THAN 36" A.F.F. OR GRADE.
 - SAFETY PANES SHOWN IN THE SCHEDULE MEET THESE CRITERIA, BUT ARE NOT MEANT TO DESIGNATE EVERY CONDITION REQUIRING SAFETY GLAZING.
- WHERE EMERGENCY ESCAPE AND RESCUE OPENINGS ARE REQUIRED THEY SHALL HAVE A MIN. NET CLEAR OPENING OF 5.7 SF, WITH MIN. CLEAR OPENING DIMENSIONS OF 24" IN HEIGHT AND 20" IN WIDTH. OPENING MEASURED FROM NORMAL OPERATION OF WINDOW. BOTTOM OF THE CLEAR OPENING SHALL NOT BE GREATER THAN 44" A.F.F. (CBC SECTION 1031.2, 1031.2.1., & 1031.3)
- WINDOW GLAZING WILL MEET SPECIFICATIONS BELOW:
 - U-FACTOR: 0.29
 - SOLAR HEAT GAIN COEFFICIENT (SHGC): 0.17
 - VISIBLE TRANSMITTANCE: 0.39

CASING TYPE



WINDOW TYPE



els architecture+ urban design
2040 Addison St. Berkeley, CA 94704
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FIRE STATION NO. 6 REMODEL

999 CEDAR ST.
BERKELEY, CA 94710

PROJECT NUMBER:
201320.32

CLIENT:
CITY OF BERKELEY
1947 CENTER ST. 4TH FLOOR
BERKELEY, CA 94704

PROJECT TEAM:
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ELS ARCHITECTURE AND URBAN DESIGN
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ELECTRICAL ENGINEER:
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STRUCTURAL ENGINEER:
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1629 Telegraph Avenue, #300
Oakland, CA 94612
P: (510) 834-1629

LANDSCAPE ARCHITECT:
PGAdesign Landscape Architects
444 17th Street
Oakland, CA 94612
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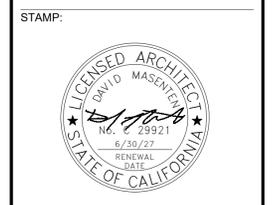
CIVIL ENGINEER:
CSW / ST2
504 Redwood Boulevard, #310
Novato, CA 94947
P: (415) 883-9850

REVISION

NUMBER	DATE	DESCRIPTION
1	08/05/2025	PLAN CHECK RESPONSE 1

ISSUE: **PERMIT SET**

DATE: **05/23/2025**



SHEET TITLE:
SCHEDULES - DOORS AND WINDOWS

SHEET NUMBER:
A800

WINDOW SCHEDULE GENERAL NOTES

- NEW REPLACEMENT WINDOW DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. FIELD VERIFY EXISTING ROUGH OPENING DIMENSIONS PRIOR TO INSTALLATION OF NEW REPLACEMENT WINDOWS. FIELD VERIFY DIMENSIONS OF WINDOWS TO RECEIVE NEW WINDOW SHADES
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 VISIBLE TRANSMITTANCE: 0.39



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CIVIL ENGINEER:
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REVISION		
NUMBER	DATE	DESCRIPTION
2	09/19/2025	PLAN CHECK RESPONSE #2
A	11/11/2025	BID ADDENDUM 1

ISSUE:
PERMIT SET

DATE:
05/23/2025

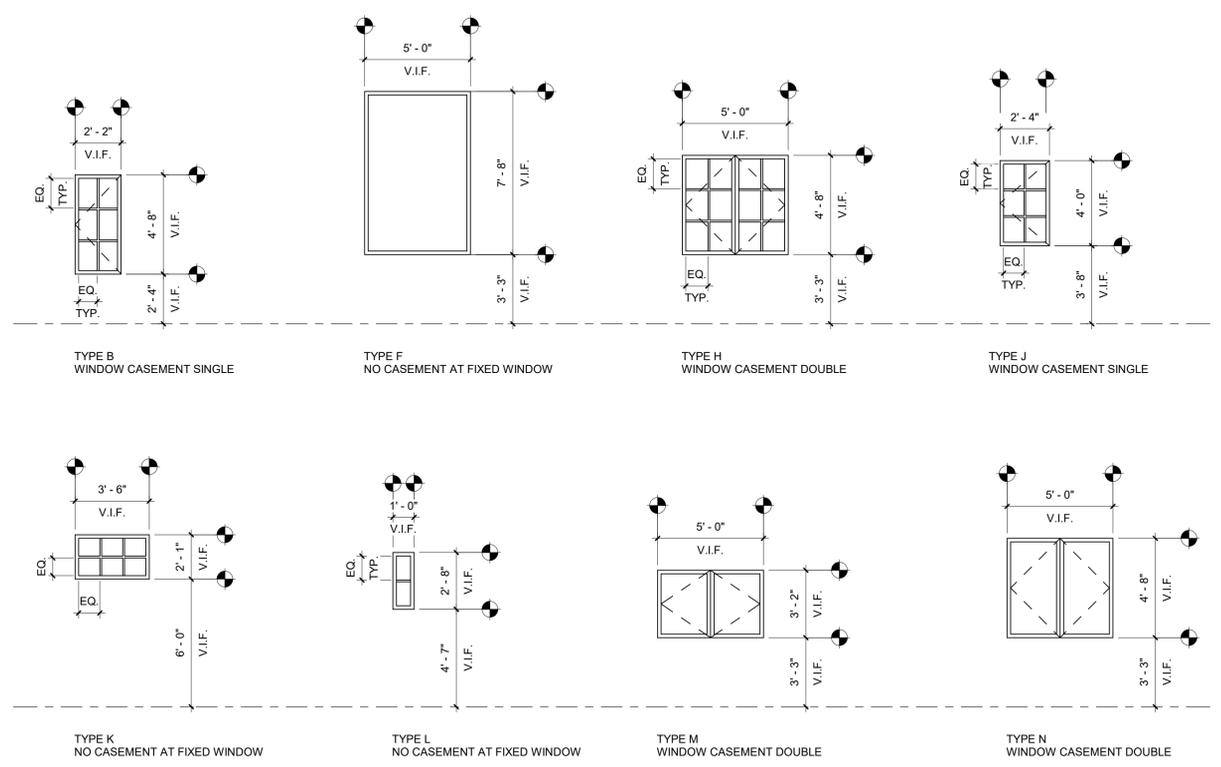
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SHEET TITLE:
**ALTERNATE -
 WINDOW
 SCHEDULE**

SHEET NUMBER:
A800A

WINDOW TYPE

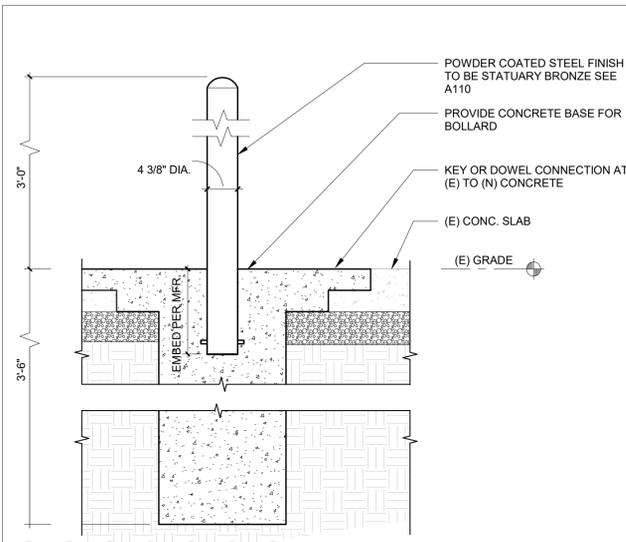


WINDOW SCHEDULE ALTERNATE

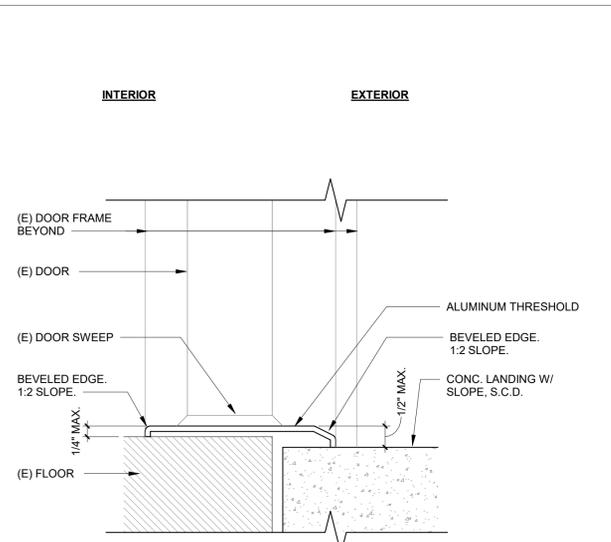
Mark	R.O.		TYPE	MATERIAL	(E) OR (N)	FINISH	HEAD	JAMB	SILL	GLAZING		HEAD HEIGHT	SCREEN	SHADE	COMMENTS
	WIDTH	HEIGHT								THICKNESS	TYPE				
W1	5'-0"	7'-8"	F	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	8'-5"	-	SHD-1	1	
W2	5'-0"	7'-8"	F	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	10'-11"	-	SHD-1	1	
W3	5'-0"	7'-8"	F	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	8'-5"	-	SHD-1	1	
W4	5'-0"	7'-8"	F	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	10'-11"	-	SHD-1	1	
W5	5'-0"	4'-8"	N	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	5'-5"	-	SHD-1	1	
W6	5'-0"	4'-8"	N	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-11"	-	SHD-1	1	
W7	5'-0"	3'-2"	M	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	5'-2"	-	-	1	
W8	2'-2"	4'-8"	B	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-0"	-	SHD-2	1,2	
W9	2'-2"	4'-8"	B	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-0"	-	SHD-2	1	
W10	2'-2"	4'-8"	B	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-0"	-	SHD-2	1,2	
W11	2'-2"	4'-8"	B	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-0"	-	SHD-2	1	
W12	2'-2"	4'-8"	B	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-0"	-	-	1	
W13	2'-4"	4'-0"	J	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-8"	-	-	1	
W14	2'-4"	4'-0"	J	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-8"	-	-	3	
W15	6'-0"	4'-0"	-	(E)	(E)	-	-	-	-	(E)	7'-0"	-	-	1	
W16	3'-6"	2'-1"	K	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	8'-1"	-	-	1	
W17	5'-0"	4'-8"	H	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	9'-5"	-	SHD-1	1	
W18	5'-0"	4'-8"	H	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	9'-5"	-	SHD-1	1	
W19	5'-0"	4'-8"	H	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	9'-5"	-	SHD-1	1	
W20	5'-0"	4'-8"	H	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	9'-5"	-	SHD-1	1	
W21	5'-0"	4'-8"	H	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	9'-5"	-	SHD-1	1	
W22	1'-0"	2'-8"	L	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	7'-3"	-	-	1	
W23	1'-0"	2'-8"	L	ALUM CLAD WD	(N)	PTD	-	-	-	CLEAR	4'-9"	-	-	1	

ALTERNATE WINDOW SCHEDULE COMMENT KEY

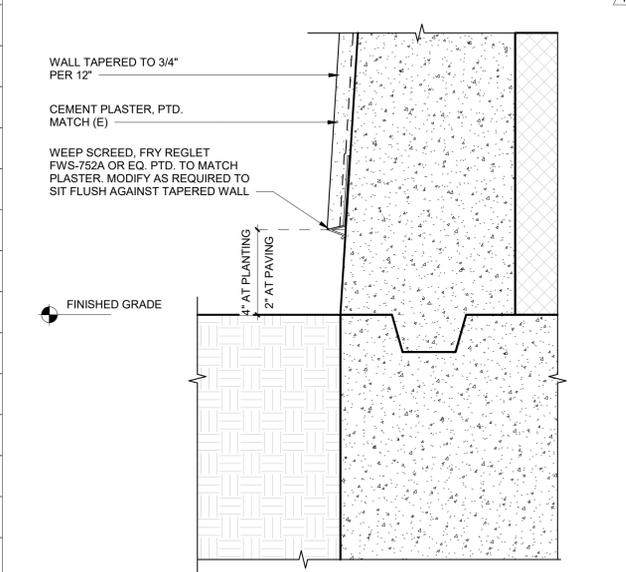
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 - PROVIDE TRUE DIVIDED LITES.
- EMERGENCY ESCAPE AND RESCUE WINDOW. SEE WINDOW SCHEDULE GENERAL NOTES #3.
- EXISTING WINDOW TO REMAIN. NO NEW WORK.



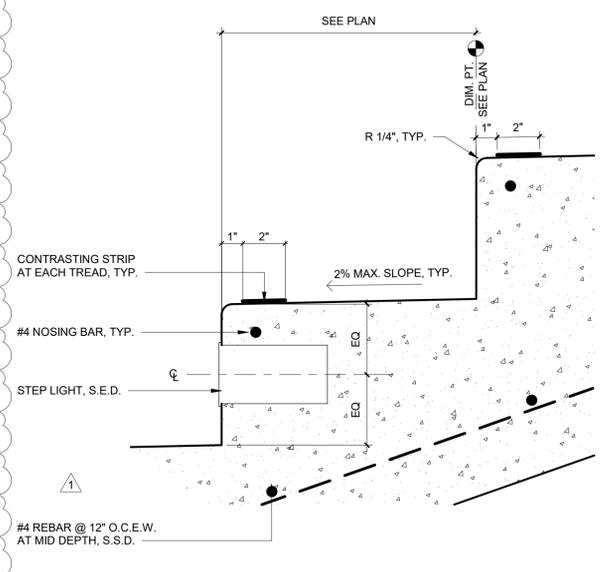
10 BOLLARD EMBED DETAIL
1" = 1'-0"



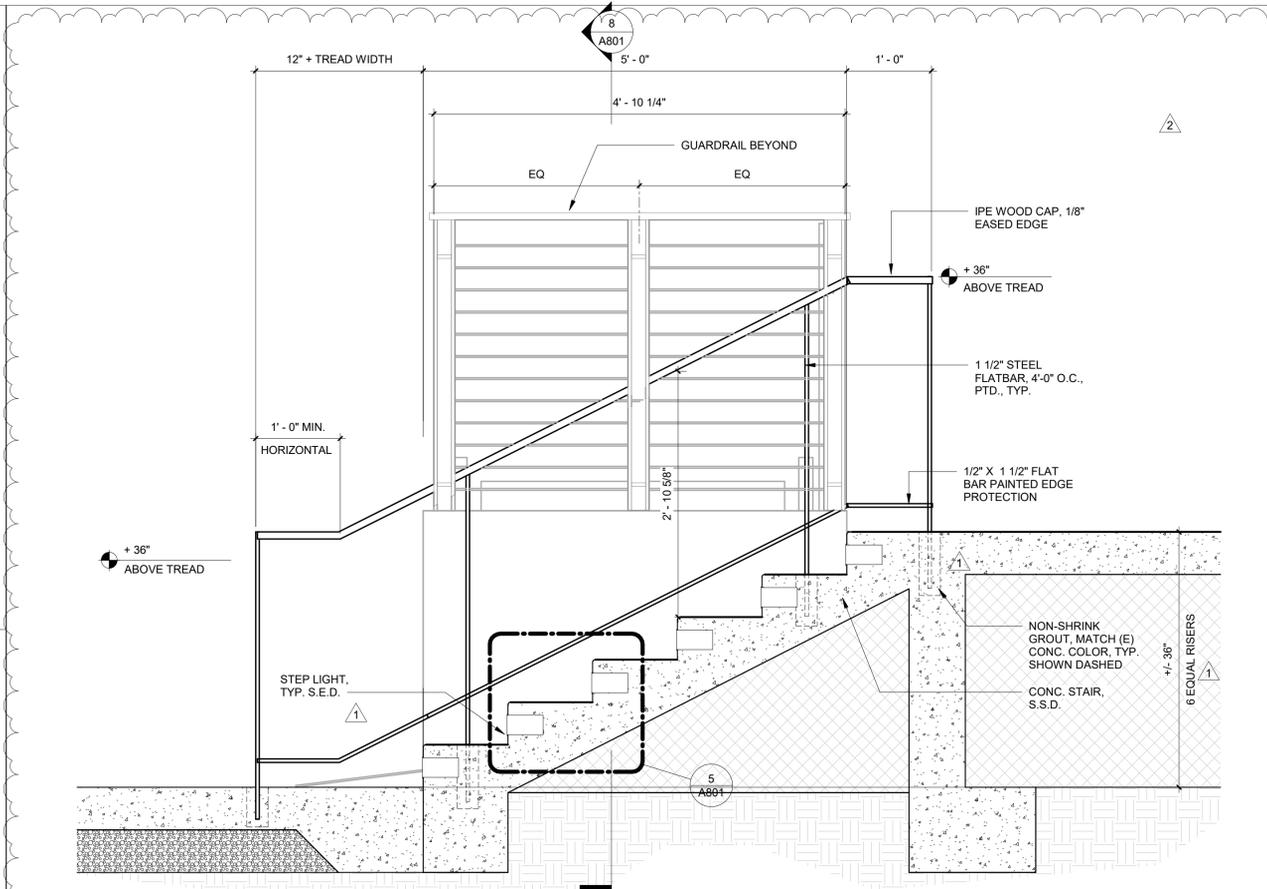
7 THRESHOLD @ (E) DOOR
6" = 1'-0"



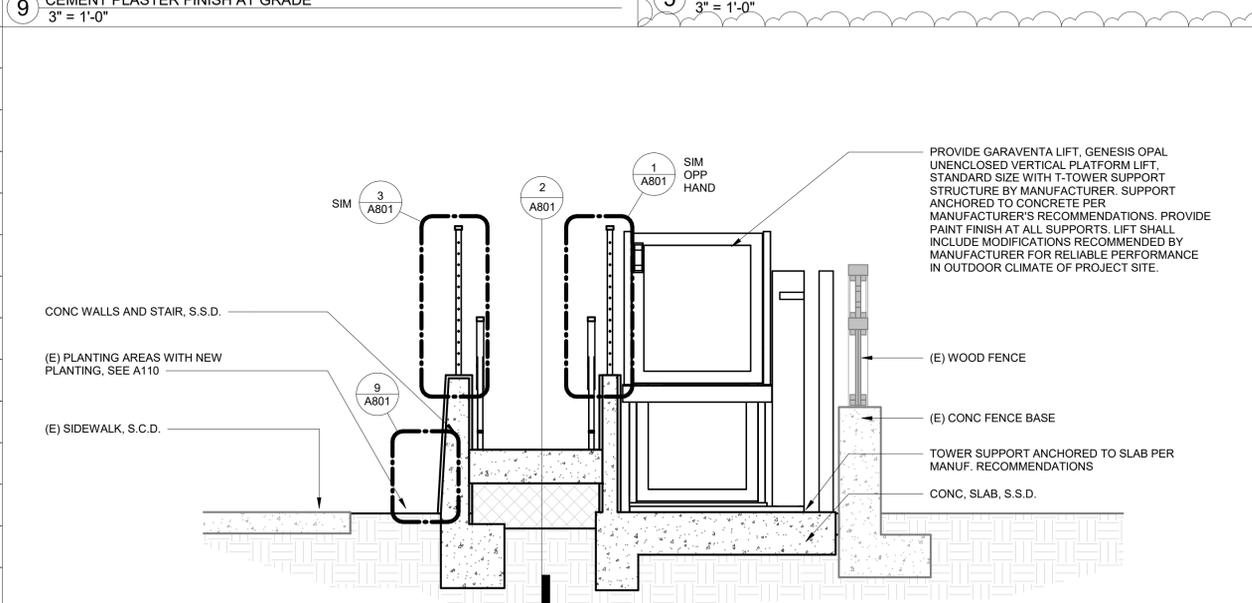
9 CEMENT PLASTER FINISH AT GRADE
3" = 1'-0"



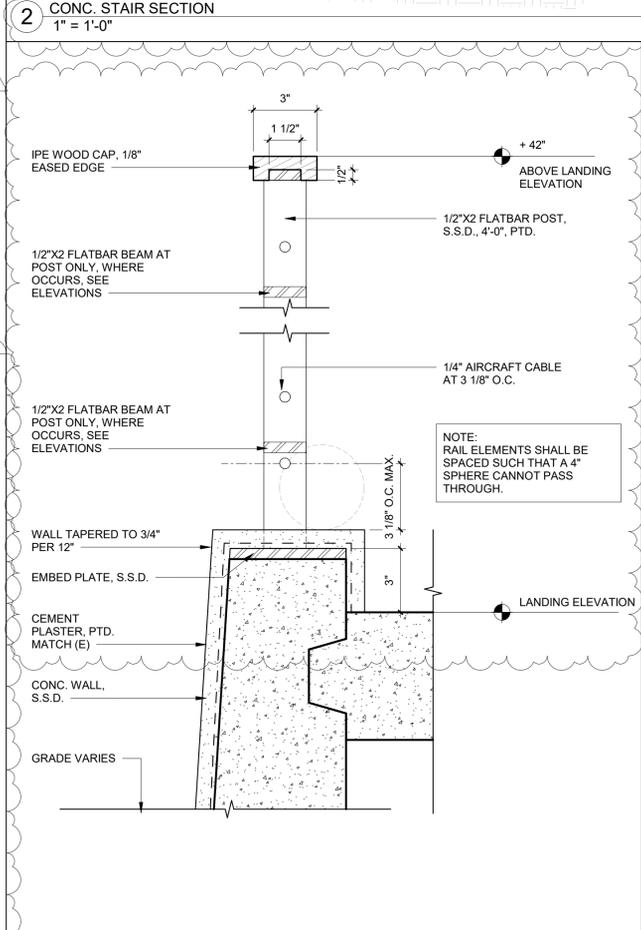
5 TYPICAL CAST IN PLACE CONCRETE STAIR TREAD
3" = 1'-0"



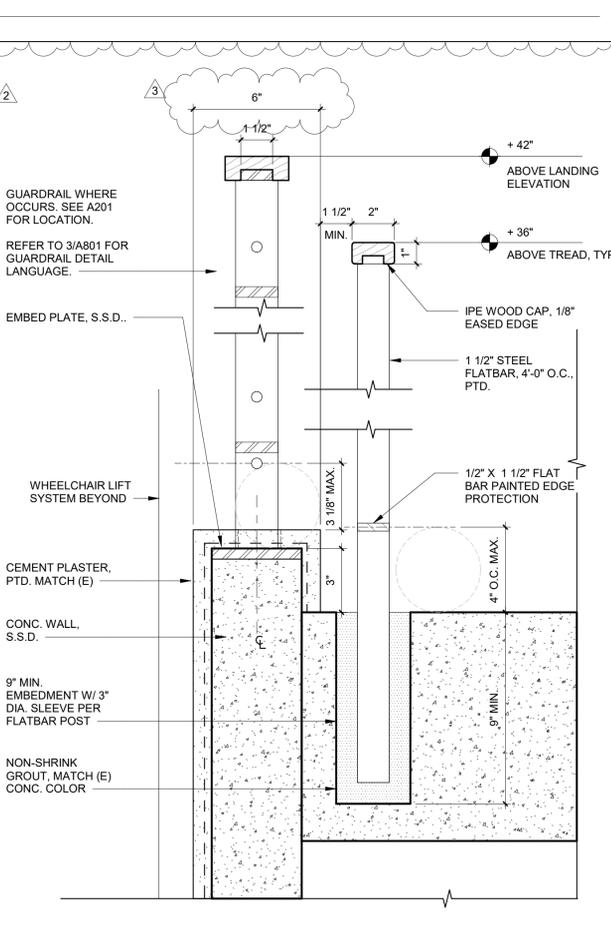
2 CONC. STAIR SECTION
1" = 1'-0"



8 SECTION THROUGH LIFT
1/2" = 1'-0"



3 SECTION THROUGH GUARDRAIL
3" = 1'-0"



1 SECTION THROUGH HANDRAIL
3" = 1'-0"

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FIRE STATION NO. 6 REMODEL

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PROJECT NUMBER:
 201320.32

CLIENT:
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 1947 CENTER ST. 4TH FLOOR
 BERKELEY, CA 94704

PROJECT TEAM:
ARCHITECT:
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CIVIL ENGINEER:
 CSW / STJ
 504 Redwood Boulevard, #310
 Novato, CA 94947
 P: (415) 883-9850

REVISION		
NUMBER	DATE	DESCRIPTION
1	08/05/2025	PLAN CHECK RESPONSE #1
2	09/19/2025	PLAN CHECK RESPONSE #2
3	10/24/2025	PLAN CHECK RESPONSE #3

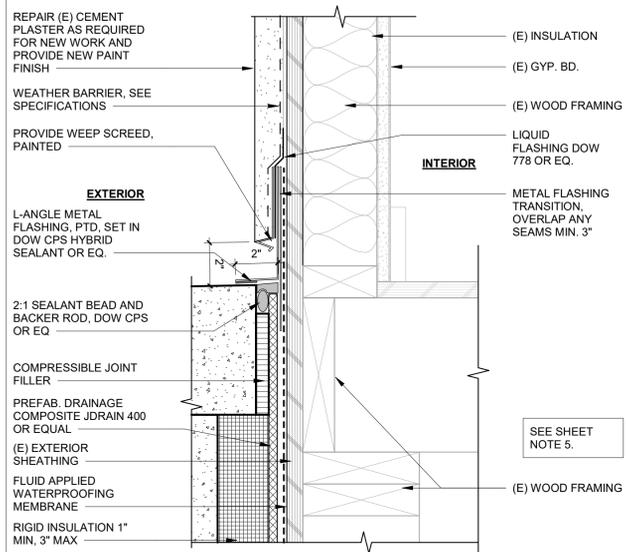
ISSUE:
PERMIT SET

DATE:
05/23/2025

STAMP:

SHEET TITLE:
EXTERIOR DETAILS - STAIRS & SITE

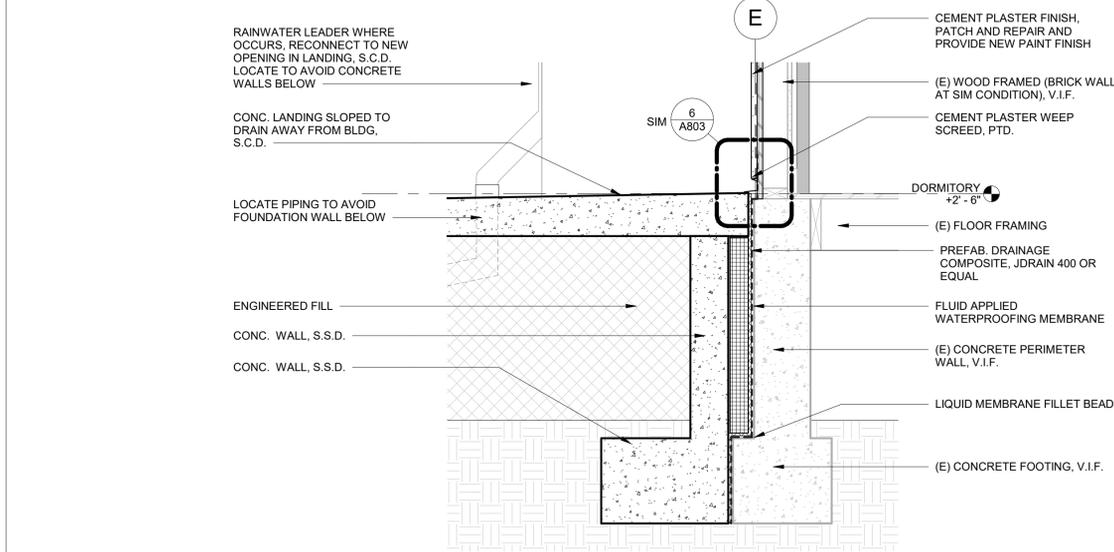
SHEET NUMBER:
A801



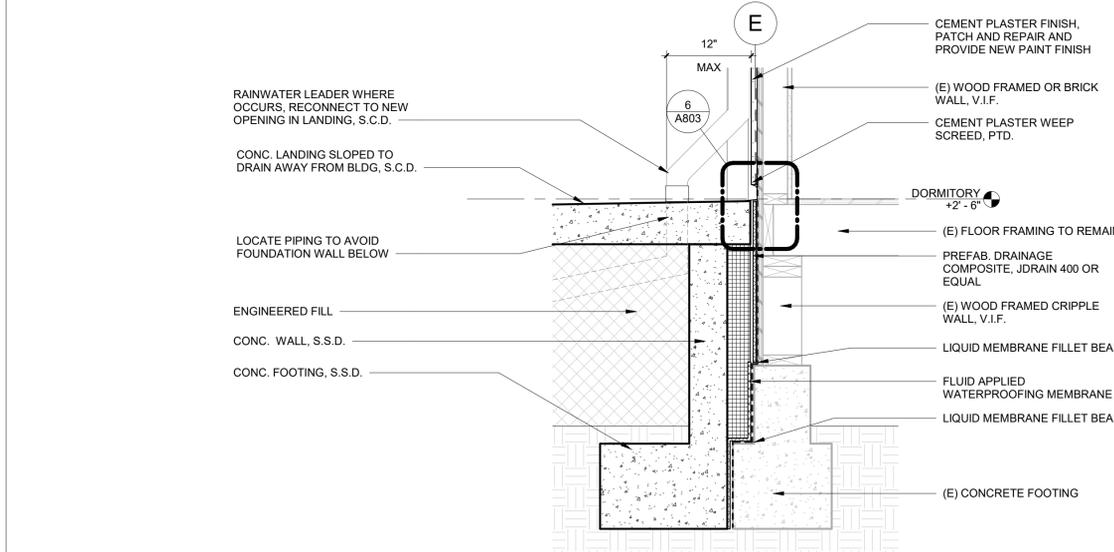
6 ENLARGED DETAIL
3" = 1'-0"

SHEET NOTES

1. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION AND ACCEPTABLE PRODUCT INFORMATION.
2. CONTRACTOR TO PREPARE ALL SUBSTRATES ACCORDING TO MANUFACTURER RECOMMENDATIONS PRIOR TO APPLYING ANY MEMBRANES.
3. ALL JOINT SEALANTS AND MEMBRANES IN CONTRACT WITH EACH SHALL HAVE CHEMICAL COMPATIBILITY.
4. SILICONE SEALANT SHOULD BE STRUCK FLAT AND SLIGHT SLOPE TO ACCOMMODATE DRAINAGE AWAY FROM THE BUILDING ENCLOSURE.
5. ENLARGED DETAIL(S) ON THIS SHEET ARE FOR INFORMATION USE ONLY AND ARE ENLARGED TO EMPHASIZE THE WATERPROOFING COMPONENTS.



5 LANDING INTERFACE AT (E) CONC FOUNDATION
1" = 1'-0"



4 LANDING INTERFACE AT (E) CRIPPLE WALL
1" = 1'-0"



2040 Addison St, Berkeley, CA 94704
510.549.2929 | elsarch.com

PROJECT:
**FIRE STATION NO. 6
REMODEL**

**999 CEDAR ST.
BERKELEY, CA 94710**

PROJECT NUMBER:
201320.32

CLIENT:
CITY OF BERKELEY
1947 CENTER ST. 4TH FLOOR
BERKELEY, CA 94704

PROJECT TEAM:
ARCHITECT:
ELS ARCHITECTURE AND URBAN DESIGN
2040 Addison Street
Berkeley, CA 94704
P: 510.549.2929

MECHANICAL & PLUMBING ENGINEER:
CANYON CONSULTING ENGINEERS
3200 Blume Drive, Suite 240
Richmond, CA 94806
P: 510.243.5987

ELECTRICAL ENGINEER:
RLIA INC.
1620 Montgomery Street
San Francisco, CA 94111
P: 415-730-7994

STRUCTURAL ENGINEER:
IDA STRUCTURAL ENGINEERS, INC.
1629 Telegraph Avenue, #300
Oakland, CA 94612
P: (510) 834-1629

LANDSCAPE ARCHITECT:
PGAdesign Landscape Architects
444 17th Street
Oakland, CA 94612
P: (510) 465-1284

CIVIL ENGINEER:
CSW / ST2
504 Redwood Boulevard, #310
Novato, CA 94947
P: (415) 883-9850

REVISION		
NUMBER	DATE	DESCRIPTION
A	11/11/2025	BID ADDENDUM 1

ISSUE:
PERMIT SET

DATE:
05/23/2025

STAMP:



SHEET TITLE:
EXTERIOR DETAILS

SHEET NUMBER:
A803

**FIRE STATION NO. 6
REMODEL**

PROJECT NUMBER:
23057

CLIENT:
CITY OF BERKELEY

PROJECT TEAM:
ARCHITECT:
CANYON ARCHITECTURE AND URBAN DESIGN
2040 Addison Street
Berkeley, CA 94704
P: 510.549.2929

MECHANICAL & PLUMBING ENGINEER:
CANYON CONSULTING ENGINEERS
3260 Blume Drive, Suite 240
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CIVIL ENGINEER:
CSW / ST2
504 Redwood Boulevard, #310
Novato, CA 94947
P: (415) 883-9850

REVISION		
NUMBER	DATE	DESCRIPTION

ISSUE: **PLAN CHECK #2**

DATE: **SEPTEMBER 17, 2025**

STAMP:



SHEET TITLE:
**GENERAL NOTES,
ABBREVIATIONS
AND TYPICAL
DETAILS**

SHEET NUMBER:

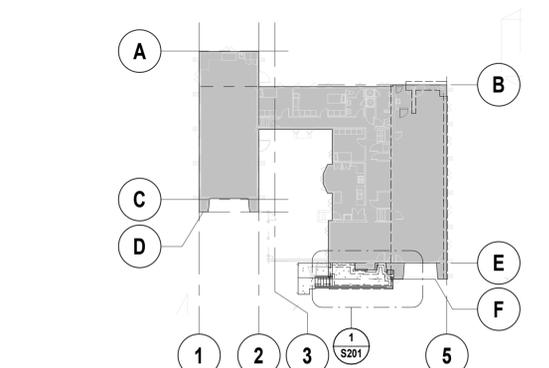
S001

- EPOXY ANCHORS AND DOWELS IN HARDENED CONCRETE NOTES**
- EPOXY FOR SETTING ANCHORS OR DOWELS IN HARDENED CONCRETE SHALL BE HILTI HIT-RE 300V PER ESR 3814, OR APPROVED EQUAL.
 - Holes for epoxy anchors shall be drilled with rotary hammer or other suitable methods to ensure existing reinforcement is not damaged. Hole diameter shall be as required by manufacturer. Locate existing reinforcing bars (as required using X-RAY) prior to drilling holes. Do not damage existing reinforcing. All mis-drilled or unacceptable holes shall be grouted solid.
 - Job testing and inspection: continuous special inspection of all anchor and dowel installation is required. Testing shall be as follows:
 - Threaded rods: test first 5 installed rods of each size to tension proof load shown on epoxy anchor schedule. If all pass, test 5% of remaining rods. If any rod fails, test all rods until 10 successful consecutive tests are made. Then resume 5% testing frequency. The load test shall be performed in the presence of the project inspector.
 - Reinforcing bar anchors, #5 and larger: test per threaded rod requirements above.
 - Reinforcing bar anchors #4 and smaller: no testing required. Visual observation only.
 - Unless otherwise shown in the drawings, all holes shall be drilled perpendicular to the concrete surface.
- TESTS, INSPECTIONS AND OBSERVATIONS NOTES**
- Tests and inspections shall be provided for all items as required by the California Building Code.
 - See statement of special inspections, when included, for special inspection requirements.
 - The following items shall have special inspection:
 - Reinforcing steel
 - Concrete placement
 - Post installed anchors in concrete - expansion anchors, epoxy anchors, etc.
 - All structural welding
 - In addition to special inspections, the following specified items shall have periodic structural observation by the structural engineer of record:
 - Structural steel construction
 - Reinforcing steel
 - The owner shall be responsible for retaining an independent testing and inspection laboratory to perform all required testing and inspections.
 - The contractor shall be responsible for providing the testing and inspection laboratory with construction schedules to ensure proper coordination of work.
- THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OR INSPECTOR A MINIMUM OF 48 HOURS (EXCLUDING WEEKEND DATES) PRIOR TO THE TIME OF A REQUIRED INSPECTION OR OBSERVATION.**

SYMBOLS AND ABBREVIATIONS

AIS.1	SECTION A ON DRAWING S2.1	LBS	POUNDS
@	AT	LG	LONG
&	AND	LL	LIVE LOAD
° OR DIA	DEGREE	LLH	LONG LEG HORIZONTAL
#	NUMBER OR POUND	LLV	LONG LEG VERTICAL
(E)	EXISTING	MATL	MATERIAL
(N)	NEW	MAX	MAXIMUM
ADDL	ADDITIONAL	MECH	MECHANICAL
ALT	ALTERNATE	MFR	MANUFACTURER
ARCH	ARCHITECT OR ARCHITECTURAL	MIN	MINIMUM
ATTN	ATTENTION	MISC	MISCELLANEOUS
		MTL	METAL
BLDG	BUILDING	NC	NOT IN CONTRACT
BTM	BOTTOM	NOM	NOMINAL
BS	BOTH SIDES	NTS	NOT TO SCALE
BTWN	BETWEEN	OC	ON CENTER
C	CONTROL JOINT	PSF	POUNDS PER SQUARE FEET
CL	CLEAR	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE OR CONCENTRATED	REINF	REINFORCING
CONT	CONTINUOUS	REQD	REQUIRED
DEMO	DEMOLISH	SAD	SEE ARCHITECTURAL DRAWING OR SEE ARCHITECTURAL DETAIL
(DIMS)	DIMENSION(S)	SEC	SECTION
DL	DEAD LOAD	SCD	SCHEDULE
(DWG(S))	DRAWING(S)	SEC	SECTION
EA	EACH	SHT	SHEET
EE	EACH END	SHTG	SHEATHING
EF	EACH FACE	SIM	SIMILAR
ELEC	ELECTRICAL	SOG	SLAB ON GRADE
EMBED	EMBEDMENT	STL	STEEL
ENGR	ENGINEER	STRUCT	STRUCTURAL
EQ	EQUAL		
EQUIP	EQUIPMENT		
ES	EACH SIDE	T.O.	TOP OF
ETC	ETCETERA	TOC	TOP OF CONCRETE
EW	EACH WAY	TOF	TOP OF FOOTING
EXC	EXCAVATE	TOS	TOP OF STEEL OR SLAB
EXT	EXTERIOR	TYP	TYPICAL
FDN	FOUNDATION	UON	UNLESS OTHERWISE NOTED
FF	FINISH FLOOR		
FLR	FLOOR	VERT	VERTICAL
FOS	FACE OF STUD	VIF	VERIFY IN FIELD
FS	FACE SIDE		
FT	FEET	W/	WITH
FTG	FOOTING	WO	WOOD
		W/O	WITHOUT
		WP	WATERPROOF OR WORK POINT
		WT	WEIGHT

LEGEND
[Symbol] NEW FOUNDATION CONCRETE IN PLAN



1 S001 KEY PLAN
NTS

- GENERAL NOTES**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE AND THE SPECIFICATIONS.
 - THESE NOTES SHALL APPLY TO ALL STRUCTURAL DRAWINGS UNLESS OTHERWISE NOTED OR SHOWN.
 - FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT SIMILAR CONDITIONS. ALL DETAILS REFERENCED, AND DETAILS NOT REFERENCED ON PLANS, SHALL BE CONSIDERED TYPICAL AND APPLY TO ALL SIMILAR CONDITIONS OF THE CONSTRUCTION.
 - UNLESS SHOWN OTHERWISE, DETAILS SHOWN ON "TYPICAL DETAIL" SHEETS SHALL BE USED WHEREVER APPLICABLE. SPECIFIC DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER "TYPICAL DETAILS". SPECIFIC NOTES ON STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER NOTES SHOWN IN "GENERAL NOTES".
 - THE STRUCTURAL DRAWINGS SHOW STRUCTURAL FEATURES. EXACT CONFIGURATION OF INTERIOR PARTITION WALLS IS SHOWN ON ARCHITECTURAL DRAWINGS AND IS NOT NECESSARILY ALL SHOWN ON THE STRUCTURAL DRAWINGS. PROVIDE ANCHORAGE, INSERTS, ANCHOR BOLTS, ETC. FOR STRUCTURAL CONNECTIONS OF TOP, SIDES AND BOTTOM OF ALL PARTITION WALLS AS LOCATED ON THE ARCHITECTURAL DRAWINGS.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING: FLOOR FINISHES; DEPRESSIONS AND CURBS ON FLOORS; OPENINGS REQUIRED FOR WINDOWS, DOORS, DUCTS, VENTS, PLUMBING, ETC.; FLASHING, INSERTS, ANCHORAGES, HANGERS, ETC., EMBEDDED IN OR ATTACHED TO THE STRUCTURE; ROADWAY, WALKS, PAVING, STAIRS, RAMPS, EXTERIOR GRADES, ELEVATIONS OF ROOF SURFACE AND LOCATIONS OF DRAINS AND PARTITION WALLS.
 - THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, PLUMBING, MECHANICAL, CIVIL, AND ELECTRICAL DRAWINGS AS TO ALL LAYOUTS, DIMENSIONS AND ELEVATIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK.
 - IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SHOWN FOR SIMILAR CONDITIONS.
 - BEAMS, JOISTS AND ANY OTHER STRUCTURAL ELEMENTS SHALL NOT BE CUT OR PENETRATED, EXCEPT AS SHOWN IN STRUCTURAL DETAILS OR AS APPROVED BY THE ARCHITECT AND THE STRUCTURAL ENGINEER.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO POURING CONCRETE. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
 - FEATURES OF EXISTING CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD AND DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES AND SEQUENCES OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PROGRAMS AND PROCEDURES DURING CONSTRUCTION.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADEQUATELY SHORE AND BRACE EXISTING BUILDING AS REQUIRED DURING CONSTRUCTION. ALL SHORING SHALL CONFORM TO FEDERAL AND LOCAL JURISDICTION OSHA REQUIREMENTS.
 - THE CONTRACTOR SHALL FOLLOW ALL INSTRUCTIONS, RECOMMENDATIONS AND SAFETY PRECAUTIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER OF ANY MATERIAL OR PRODUCT NOTED IN GENERAL NOTES OR DRAWINGS.
 - SEE ARCHITECTURAL DRAWINGS FOR DETAILS ON REQUIRED VENTILATION OF ROOF JOISTS, FLOOR JOISTS, AND ATTIC SPACES.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING FRAMING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ANY VARIATION FROM CONDITIONS ASSUMED ON DRAWINGS. CONTRACTOR SHALL VERIFY THAT EXISTING FRAMING IS RE-SUPPORTED AND ALL LOADS ARE TRANSFERRED TO NEW OR EXISTING FOOTINGS. CONTRACTOR SHALL CONSULT WITH THE STRUCTURAL ENGINEER AS REQUIRED.
 - GRADES SHOWN ON STRUCTURAL DRAWINGS ARE APPROXIMATE AND FOR GENERAL REFERENCE ONLY.
 - MECHANICAL UNIT LOCATIONS SHOWN ON STRUCTURAL DRAWINGS ARE SCHEMATIC ONLY. GENERAL CONTRACTOR TO COORDINATE STRUCTURAL TRADES WITH MECHANICAL CONTRACTOR TO DETERMINE EXACT LOCATION OF UNITS AND SUPPORTING STRUCTURE.
 - DO NOT SCALE DRAWINGS.

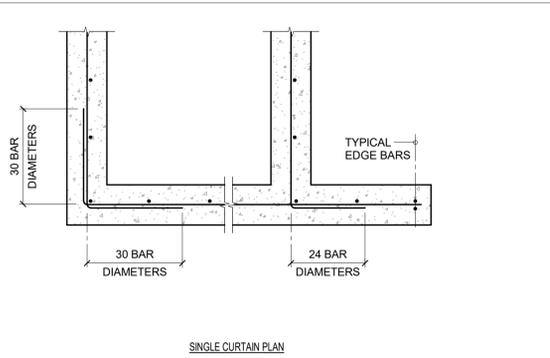
- DESIGN CRITERIA**
- VERTICAL LOADS:**
 - DEAD LOADS: NEW FLOOR DEAD LOAD: SELF WEIGHT ONLY
 - LIVE LOADS: TYPICAL FLOORS: 100 PSF
 - LATERAL LOADS:**
 - WIND DESIGN LOADS - PER CBC SECTION 1609:

BASIC WIND SPEED	103 MPH
EXPOSURE CATEGORY	
 - SEISMIC DESIGN - PER CBC SECTION 1613:

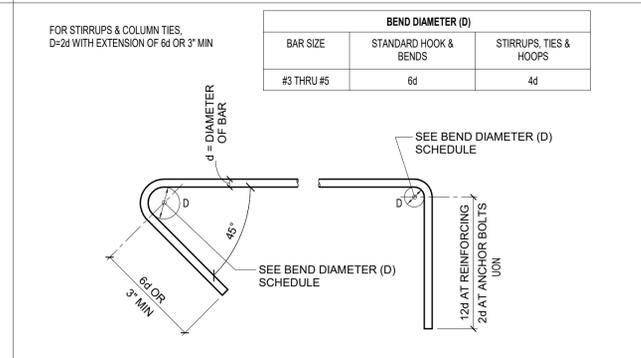
RISK CATEGORY	IV
SEISMIC DESIGN CATEGORY	F
SITE CLASS	D - DEFAULT
MAPPED SHORT PERIOD ACCELERATION	$S_s = 1.985 g$
SITE COEFFICIENT	$F_a = 1.2$
DESIGN SHORT PERIOD ACCELERATION	$S_{s1} = 1.588 g$
MAPPED ONE SECOND PERIOD ACCELERATION	$S_1 = 0.761 g$
SITE COEFFICIENT	$F_v = .$
DESIGN ONE SECOND ACCELERATION	$S_{o1} = .$

- CONCRETE NOTES**
- ALL CONCRETE SHALL BE REINFORCED UNLESS NOTED "NOT REINFORCED".
 - SEE THE CALIFORNIA BUILDING CODE FOR THE REQUIREMENTS IN THE PRODUCTION, TESTING AND INSTALLATION OF CONCRETE.
 - SEE ARCHITECTURAL DRAWINGS FOR THE LOCATION AND EXTENT OF EXTERIOR WALKS AND PAVEMENTS AND FOR REINFORCEMENT REQUIREMENTS.
 - REINFORCEMENT SHALL BE PER ASTM A615, GRADE 60 WITH BAR MARKS LEGIBLY ROLLED INTO THE SURFACE INDICATING SIZE, TYPE OF STEEL, AND YIELD STRENGTH DESIGNATION.
 - REINFORCEMENT FOR WELDING SHALL BE PER ASTM A706, GRADE 60 WITH BAR MARKS LEGIBLY ROLLED INTO THE SURFACE INDICATING SIZE, TYPE OF STEEL, AND YIELD STRENGTH DESIGNATION.
 - CONCRETE SHALL CONFORM TO THE FOLLOWING CLASSES:
- | CONCRETE CLASS | USE | 28 DAY STRENGTH (PSI) | MAX AGGREGATE SIZE (IN) | CONCRETE WEIGHT (PCF) | MAX W/C(F+S) RATIO % | MIN/MAX FLYASH OR SLAG % |
|----------------|--------------|-----------------------|-------------------------|-----------------------|----------------------|--------------------------|
| A | ALL CONCRETE | 4000 | 1 | 145 | 0.50 | 25/50 |
- * (C+F+S) DENOTES TOTAL WEIGHT OF CEMENT, FLYASH AND SLAG

- PORTLAND CEMENT SHALL BE PROPORTIONED IN ACCORDANCE WITH ASTM C94, TYPE II OR III.
- REPLACE CEMENT CONTENT WITH FLYASH CONFORMING TO ASTM C618 CLASS C OR F, OR GROUND GRANULATED BLAST FURNACE SLAG CONFORMING TO ASTM 989, CLASS 100 OR 120, PER TABLE ABOVE.
- REINFORCEMENT, ANCHOR BOLTS, PIPE SLEEVES, AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE BEFORE CONCRETE IS POURED. "WET-SETTING" WILL NOT BE ALLOWED.
- BAR COVERAGE TO FACE OF BAR, EXCEPT AS OTHERWISE SHOWN, SHALL BE:
 - WHERE CONCRETE IS POURED AGAINST EARTH OR AGAINST GROUND CONTACT.
 - FOR BARS LARGER THAN #5, WHERE CONCRETE SURFACES ARE EXPOSED TO EARTH OR TO WEATHER AFTER REMOVAL OF FORMS.
 - FOR #5 BARS OR SMALLER, WHERE CONCRETE SURFACES ARE EXPOSED TO EARTH OR TO WEATHER AFTER REMOVAL OF FORMS.
- WHERE NEW CONSTRUCTION IS INTEGRATED WITH EXISTING CONCRETE CONSTRUCTION, CARE SHALL BE TAKEN SO AS NOT TO DAMAGE EXISTING REMAINING CONCRETE AND REINFORCING. WHERE NEW CONCRETE ABUTS EXISTING CONCRETE, CLEAN EXISTING CONCRETE SURFACE WITH HIGH PRESSURE WATER SPRAY. APPLY APPROVED BONDING AGENT TO SURFACE OF EXISTING CONCRETE.
- HOLES FOR GROUTED ANCHORS SHALL BE DRILLED WITH ROTARY HAMMER OR OTHER SUITABLE METHODS TO ENSURE EXISTING REINFORCEMENT IS NOT DAMAGED. HOLE DIAMETER SHALL BE 1/8" GREATER THAN ANCHOR ROD DIAMETER, UNLESS OTHERWISE NOTED. GROUT SHALL BE NON-SHRINK EPOXY. LOCATE EXISTING REINFORCING BARS PRIOR TO DRILLING HOLES. DO NOT DAMAGE EXISTING REINFORCING. METHOD OF LOCATING EXISTING REINFORCING BARS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. ALL MIS-DRILLED OR UNACCEPTABLE HOLES SHALL BE GROUTED SOLID.
- TERMINATION OF REINFORCEMENT:
 - TERMINATE ALL BARS IN LAPS, 90 DEGREE BENDS, OR DOWELS INTO FOOTINGS OR PERPENDICULAR WALLS OR COLUMNS.
 - BEND TOP FOOTING BARS DOWN TO BOTTOM REINFORCING.
 - BEND BOTTOM FOOTING BARS UP WITH STANDARD 90 DEGREE BENDS.
 - ALL REINFORCEMENT SHALL LAP PER THE LAP SPICE SCHEDULE.
- ROUGHEN SURFACES AND KEY JOINTS AT HARDENED CONCRETE. ROUGHEN ALL SURFACES AT COLD JOINTS TO 1/4" INCH AMPLITUDE UNLESS NOTED OTHERWISE IN DETAILS.



14 S001 TYPICAL REINFORCING AT WALL & FOOTING CORNERS
NTS



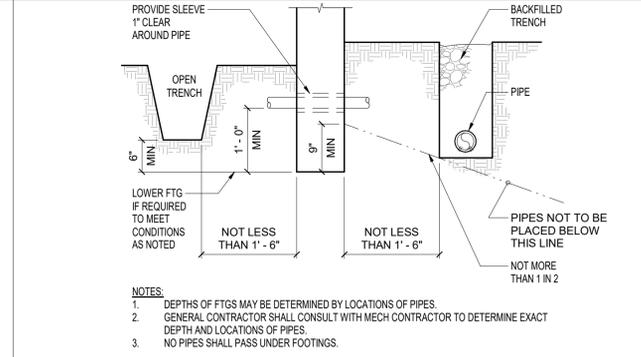
10 S001 TYPICAL REINFORCING BAR & ANCHOR BOLT HOOK
NTS

CONCRETE STRENGTH PSI	BAR TYPE	BAR SIZE			
		#4		#5	
		CLASS A	CLASS B	CLASS A	CLASS B
4000	TOP BAR	25	33	31	41
	ALL OTHER BARS	19	25	24	31

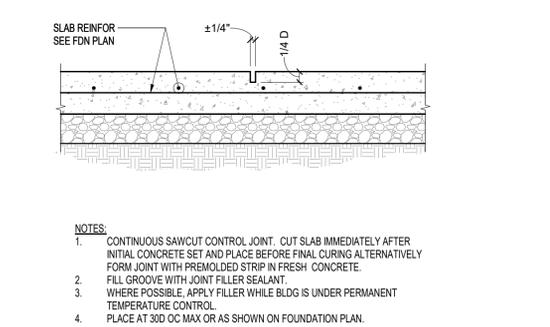
NOTES:

- SPLICE LENGTH IN INCHES.
- USE CLASS B FOR ALL LAP SPLICES EXCEPT CLASS A MAY BE USED FOR NON-STRUCTURAL SLABS ON GRADE.
- TOP BARS = HORIZONTAL BARS (OTHER THAN IN WALLS) PLACED WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW BARS.
- TABLE IS BASED UPON MINIMUM CLEAR COVER GREATER THAN ONE BAR DIAMETER AND MINIMUM CLEAR SPACING GREATER THAN TWO BAR DIAMETERS. WHERE EITHER OF THESE REQUIREMENTS IS NOT MET, INCREASE LAP LENGTH BY 50%.

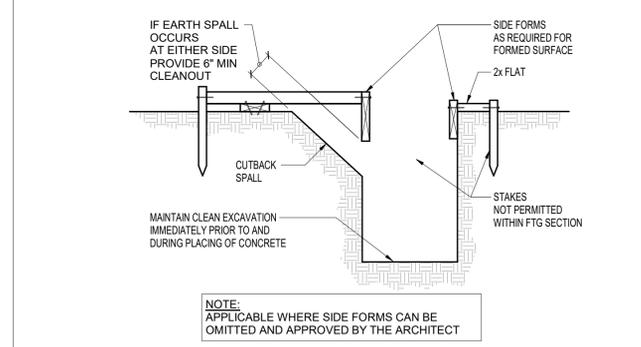
15 S001 REINFORCING BAR LAP SPLICE SCHEDULE IN CONCRETE
NTS



11 S001 RELATION OF PIPES & TRENCHES TO SPREAD FOOTING
NTS



16 S001 CONTROL JOINT (C) CONCRETE SLAB ON GRADE
NTS



12 S001 TRENCHED FOOTING DETAIL
NTS

REVISION		
NUMBER	DATE	DESCRIPTION
1	08/01/25	PLAN CHECK #1
2	09/17/25	PLAN CHECK #2
3	10/24/25	PLAN CHECK #3
4	11/11/25	BID ADDENDUM 1

ISSUE:
PERMIT SET

DATE:
05/23/2025

STAMP:



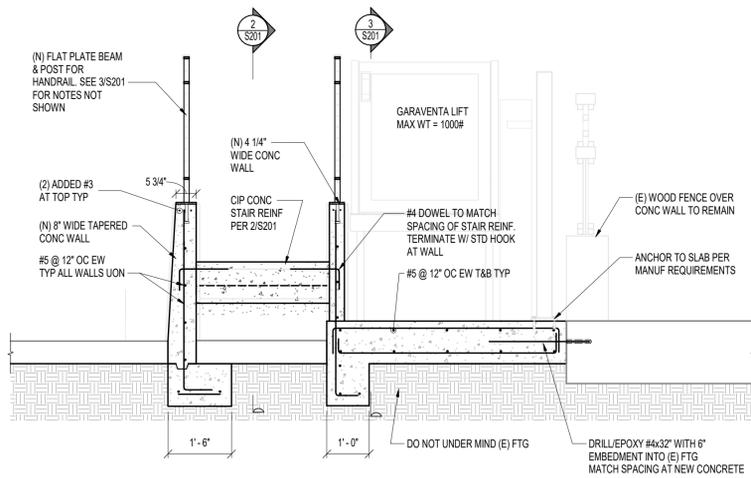
SHEET TITLE:
**FOUNDATION AND
FIRST FLOOR
FRAMING**

SHEET NUMBER:

S201

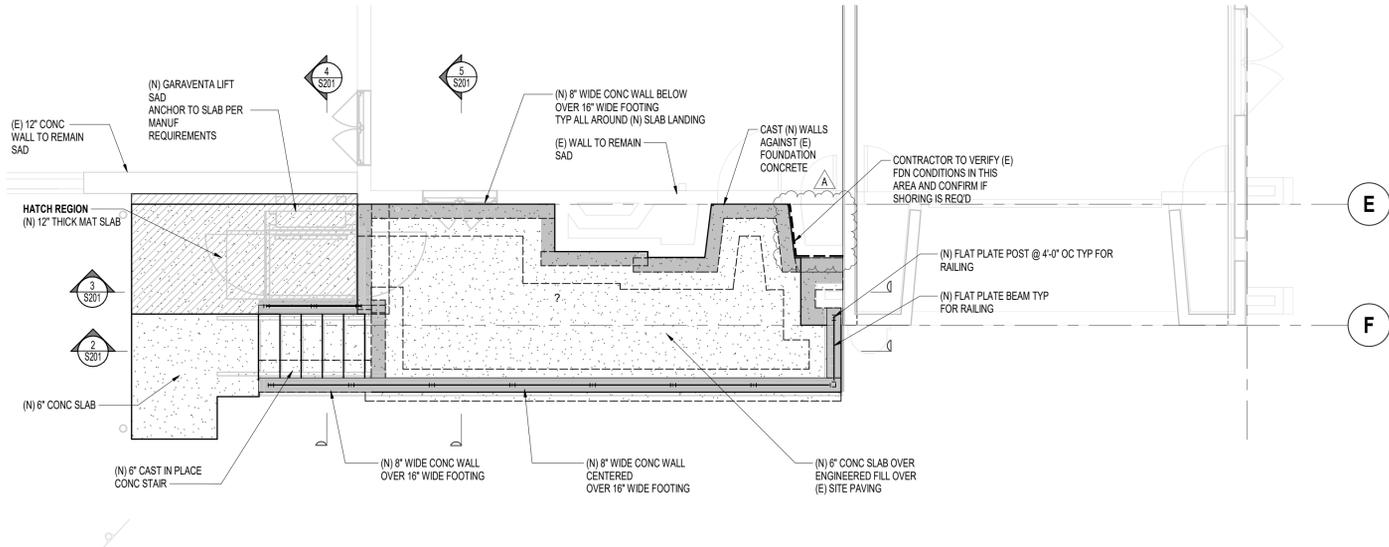
FLOOR FRAMING PLAN SHEET NOTES:

- SEE GENERAL NOTES ON S001 FOR ADDITIONAL INFORMATION NOT SHOWN HEREIN.
- CONTRACTOR SHALL VERIFY ALL (E) CONDITIONS AND DIMENSIONS IN AREA OF PLANNED WORK AND SHALL NOTIFY ARCHITECT AND SEOR OF ALL EXCEPTIONS AND/OR DISCREPANCIES BEFORE PROCEEDING W/ WORK.



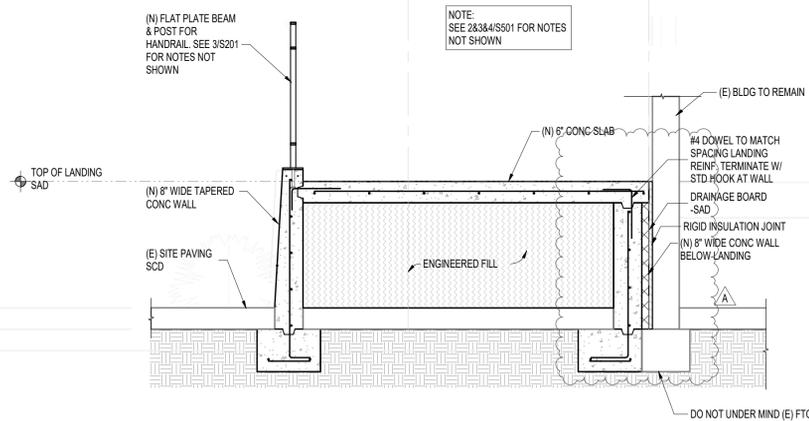
4 SECTION THROUGH LIFT AND CONC STAIR

S201 1/2" = 1'-0"



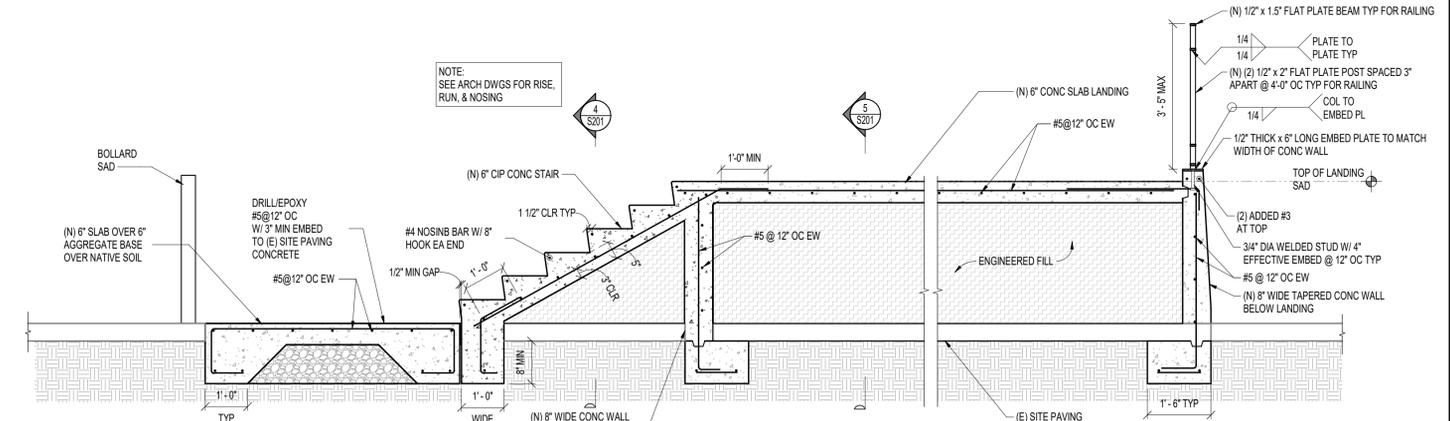
1 FOUNDATION AND FIRST FLOOR FRAMING PLAN

S201 1/4" = 1'-0"



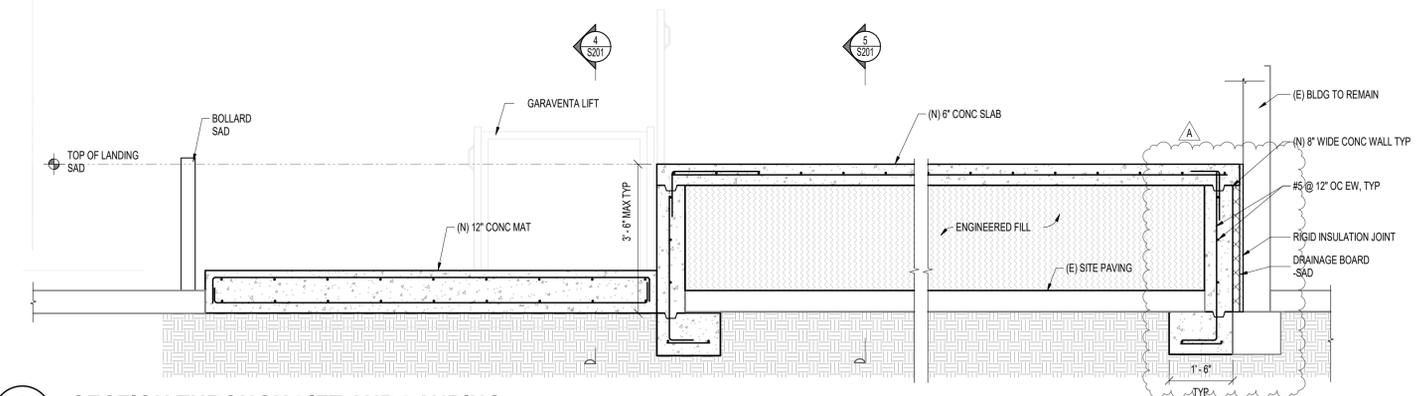
5 SECTION THROUGH LANDING

S201 1/2" = 1'-0"



2 SECTION THROUGH CONCRETE STAIR

S201 1/2" = 1'-0"



3 SECTION THROUGH LIFT AND LANDING

S201 1/2" = 1'-0"

SYMBOL LIST (NOT ALL SYMBOLS USED)

LINE TYPES

- EXISTING EQUIPMENT/ RACEWAYS TO REMAIN, (E)
- EXISTING EQUIPMENT/ RACEWAYS TO BE REMOVED, (D)
- NEW EQUIPMENT / RACEWAYS

SINGLE LINE DIAGRAM

- TRANSFORMER
- CIRCUIT BREAKER
- DRAW OUT CIRCUIT BREAKER
- MEDIUM VOLTAGE VACUUM CIRCUIT BREAKER
- MOTOR STARTER WITH OVERCURRENT PROTECTION 3 POLE UNLESS OTHERWISE NOTED
- NON-FUSED DISCONNECT SWITCH, 30 AMP, 3P UNLESS NOTED OTHERWISE.
- FUSED DISCONNECT SWITCH, 3 POLE UNLESS NOTED OTHERWISE.
- CIRCUIT BREAKER ACCESSORY, 'S' INDICATES SHUNT TRIP, 'G' INDICATES GROUND FAULT RELAY
- UTILITY METER WITH CT/PT
- KWH SUB METER WITH CT/PT
- MULTIPPOINT KWH SUB METER IN SEPARATE ENCLOSURE, CT/PTS AS SHOWN

LIGHTING CONTROLS

- CEILING MOUNTED OCCUPANCY SENSOR
P = PASSIVE INFRARED
D = DUAL TECHNOLOGY
U = ULTRASONIC, 360 DEG RANGE
H = ULTRASONIC, HALLWAY PATTERN
- PHOTO ELECTRIC SWITCH
D = CONTINUOUS DIMMING PHOTOCELL
S = SWITCHED PHOTOCELL

- SWITCH
2 = DOUBLE POLE SWITCH
3 = THREE-WAY SWITCH
4 = FOUR-WAY SWITCH
o THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION
M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
K = KEY OPERATED SWITCH
T = INTERVAL TIMER
W = WEATHER PROOF SWITCH
WL = WET LOCATION
V = LOW VOLTAGE SWITCH
D = DIMMING SWITCH

- WALL MOUNTED OCCUPANCY SENSOR
P = PASSIVE INFRARED
D = DUAL TECHNOLOGY WALL MOUNTED

- OCCUPANCY SENSOR/SWITCH
S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH
T = DUAL RELAY PASSIVE INFRARED WITH TWO INTEGRAL "OFF" SWITCHES
D = PASSIVE INFRARED WITH INTEGRAL DIMMER TO OFF.

LUMINAIRES

- RECESSED LUMINAIRE. SEE PLANS FOR DIMENSIONS.
- RECESSED DOWNLIGHT LUMINAIRE.
- SURFACE MOUNTED 2'x4' LUMINAIRE
- SURFACE OR PENDANT MOUNTED 1'x4' LUMINAIRE
- SURFACE OR PENDANT 1'x8' LUMINAIRE
- SURFACE OR PENDANT 6'x8' LUMINAIRE
- SURFACE OR PENDANT STRIP LUMINAIRE
- LINEAR WALL MOUNT LUMINAIRE
- WALL SCONCE
- AREA LUMINAIRE MOUNTED WITH POLE AND CONCRETE BASE
- BOLLARD OR POST TOP LUMINAIRE, SEE LUMINAIRE SCHEDULE
- FLOOD LIGHT
- FLUSH IN GRADE EXTERIOR LUMINAIRE
- SURFACE OR PENDANT DOWNLIGHT

- EMERGENCY LIGHTING, SEE DESCRIPTIONS ABOVE

- EMERGENCY LIGHTING WALL PACK

- LUMINAIRE NOMENCLATURE**
'A' = LUMINAIRE TYPE, SEE LUMINAIRE SCHEDULE
1 = CIRCUIT NUMBER
o = LOWERCASE LETTER INDICATES MANUAL OR OCCUPANCY SWITCH LEG
zA = INDICATES AUTOMATED DAYLIGHT CONTROL ZONE

- TRACK LIGHTING CURRENT LIMITER. WATTAGE IN PARENTHESIS INDICATES MAXIMUM WATTAGE.

DEVICES

- FLOOR* WALL CEILING**
- SIMPLEX OR SPECIAL RECEPTACLE TYPE, SEE PLANS FOR NEMA TYPE
- DUPLEX RECEPTACLE, 5-20R U.O.N.
- DOUBLE DUPLEX (QUAD) RECEPTACLE, 5-20R U.O.N.
- CONTROLLED DUPLEX RECEPTACLE, 5-20R U.O.N.
- CONTROLLED DOUBLE DUPLEX (QUAD) RECEPTACLE, 5-20R U.O.N.

- LTR

- A ABOVE COUNTER OR AT DEFINED HEIGHT. REFER TO ARCHITECT
- G GROUND FAULT CIRCUIT INTERRUPTER
- WP WEATHERPROOF IN-USE COVER WITH GFI RECEPTACLE
- U RECEPTACLE DEVICE WITH (2) USB PORTS
- S SPLIT WIRED RECEPTACLE
- Z DEDICATED CIRCUIT

- DEVICE CIRCUITING NOMENCLATURE
A = PANEL NAME, IF SHOWN
1. = CIRCUIT NUMBER

- FLOOR* WALL CEILING**
- 4-IN SQUARE JUNCTION BOX
- PULL BOX, SIZED PER CODE
- POWER AND DATA JUNCTION BOXES WITH WHIPS FOR FURNITURE CONNECTION. *PROVIDE POWER POLE WITH CEILING JUNCTION BOX

- FLOOR* WALL** CEILING**
- TELECOM OUTLET. PROVIDE 1-1/4" STUBBED TO ACCESSIBLE CEILING SPACE.

- HDMI/AV OUTLET. PROVIDE 1-1/4", REFER TO LOW VOLTAGE DIAGRAMS

- *PROVIDE COMBINED POWER/DATA FLOOR BOXES IF SHOWN ON PLANS
PT = POKE THRU, FB = FLOOR BOX, PD = PEDESTAL
** A = ABOVE COUNTER OR AT DEFINED HEIGHT, REFER TO ARCHITECT

- WIRELESS ACCESS POINT DATA OUTLET WITH CAT6 CABLING, UNIFI AC UAP-AC-LITE
- UL 924 EMERGENCY LIGHTING RELAY

EQUIPMENT

- RECESSED SURFACE**
- DISCONNECT SWITCH, 30 AMP MINIMUM UNLESS NOTED OTHERWISE.
- FUSED DISCONNECT SWITCH, 30 AMP MINIMUM UNLESS NOTED OTHERWISE.
- COMBINATION DISCONNECT SWITCH MOTOR STARTER
- MOTOR, 5 HP INDICATED.
- TRANSFORMER, ###W INDICATES WATTAGE
- RELAY OR EQUIPMENT CABINET AS INDICATED ON PLANS.
- LIGHTING OR POWER PANEL BOARD.
- FREE STANDING SWITCHBOARD, MOTOR CONTROL CENTER OR DISTRIBUTION BOARD.
- FIRE TREATED PLYWOOD BACKBOARD 3/4"x96" HIGH X LENGTH AS INDICATED.
- GROUND BUS BAR
- BATTERY PACK OR MINI INVERTER, ###W INDICATES WATTAGE

TAGS

- ELECTRICAL EQUIPMENT DESIGNATION DESIGNATED "E001"
- SHEET NOTE ON SAME SHEET.
- MECHANICAL EQUIPMENT DESIGNATION "AC-1" INDICATED. A-1,3,5. INDICATES CIRCUIT NUMBER, F40-3 INDICATES FEEDER CODE IF NONE SHOWN REFER TO SINGLE LINE DIAGRAM FOR ELECTRICAL REQUIREMENTS

- EQUIPMENT NAME OR NUMBER

- DETAIL REFERENCE

- LIGHTING CONTROL SEQUENCE OF OPERATION TAG

SECURITY/ACCESS CONTROL

- DOOR ALARM CONTACT
- CARD READER
- POE CAMERA
- REQUEST TO EXIT

ABBREVIATIONS

- (E) EXISTING
- (D) DEMOLISH
- (R) RELOCATE
- (RL) NEW LOCATION OF RELOCATED DEVICE
- A AMPERES, AMBER
- AJU AUTHORITY HAVING JURISDICTION
- AC AVAILABLE INTERRUPTING CAPACITY
- C CONDUIT, CLOSE, CONTROL
- CA CABLE
- CAT CATEGORY
- CU COPPER
- DA DIAMETER
- DIM DIMENSION
- DIV DIVISION
- DN DOWN
- DWG DRAWING
- EA EACH
- FF FINISH FLOOR
- FT FOOT, FEET G,
- GND GROUND
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- GFI GROUND FAULT INTERRUPTER
- IG ISOLATED GROUND
- KV KILOVOLT
- KVA KILOVOLT AMPERES
- KW KILOWATT
- LV LOW VOLTAGE
- MCA MINIMUM CIRCUIT AMPS
- MISC MISCELLANEOUS
- MOPC MAXIMUM OVERCURRENT PROTECTION
- NEC NATIONAL ELECTRIC CODE
- NTS NOT TO SCALE
- PH PHASE
- QTY QUANTITY
- RM ROOM
- STD STANDARD
- TBD TO BE DETERMINED
- TGB TELECOMMUNICATIONS GROUNDING BUS BAR
- TYP TYPICAL
- UL UNDERWRITERS LABORATORIES
- V VOLTS, VOLTAGE
- WP WEATHERPROOF

GENERAL ELECTRICAL NOTES

- A. SCHEDULE WORK IN EXISTING BUILDINGS WITH THE OWNER. MINIMIZE DISRUPTION OF NORMAL OPERATIONS.
- B. VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE EXISTING CONDITIONS.
- C. DO NOT INSTALL ELECTRICAL BOXES IN RATED WALLS CLOSER THAN 2"-0" TO EACH OTHER. PROVIDE "PADDY" PADS OR EQUIVALENT ON EACH BOX INSTALLED.
- D. PLANS DO NOT GENERALLY INDICATE WIRE COUNTS. FOR EACH 20 AMP, 120 VOLT OR 277 VOLT CIRCUIT, PROVIDE (1) #12 PHASE CONDUCTOR, (1) #12 NEUTRAL CONDUCTOR AND (1) #12 GROUNDING CONDUCTOR. WHERE MULTIPLE CIRCUITS ARE SHOWN, UP TO THREE SEPARATE AND DIFFERENTLY PHASED CIRCUITS (A, B AND C) PROVIDE DEDICATED NEUTRALS UNLESS OTHERWISE NOTED AND A SINGLE GROUNDING CONDUCTOR. WHERE DRAWINGS INDICATE WIRE SIZES/COUNTS, PROVIDE SUCH CIRCUIT, NEUTRAL AND GROUNDING CONDUCTORS FOR THE PORTION OF THE CIRCUIT WHERE SUCH CONDUCTORS SHARE A COMMON CONDUIT. GROUND WIRE INSULATION: GREEN. ALL WORK COMPLY WITH CEC 300.17.
- E. IN ALL CASES AND FOR ALL SYSTEMS AND COMPONENTS, USE ONLY EQUIPMENT IN ACCORDANCE WITH ITS LISTING OR LABELING. [CEC 110.3(B)]
- F. USE ONLY EQUIPMENT MARKED (LISTED/LABELED) AS SUITABLE FOR INSTALLATION AND WITH HIGHER TEMPERATURE RATED CONDUCTORS AT THE AMPACITY OF THE HIGHER RATED CONDUCTORS. REFER TO THE UL ELECTRICAL CONSTRUCTION MATERIAL DIRECTORY FOR CIRCUIT BREAKERS, SWITCHES, PANELBOARDS, SWITCHBOARDS, ETC. [CEC 110.14(C)]
- G. PROVIDE SUFFICIENT ACCESS AND WORKING CLEARANCE ABOUT THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH CEC 110.26(A).
- H. PROVIDE ACCESS AND ENTRANCES TO AND EGRESS FROM WORKING SPACE ABOUT ELECTRICAL EQUIPMENT IN ACCORDANCE WITH CEC 110.26(C).
- I. INSTALL ONLY RECEPTACLE OUTLETS WITH GROUND-Fault CIRCUIT INTERRUPTER PROTECTION IN LOCATIONS SPECIFIED AS BATHROOMS, COMMERCIAL AND INSTITUTIONAL KITCHENS, ROOFTOPS AND OUTDOOR PUBLIC SPACES. SEE EXCEPTIONS. [CEC 210.8(B)]
- J. PROVIDE OUTLET DEVICE(S) INSTALLED ON A BRANCH CIRCUIT WITH A RATING IN ACCORDANCE WITH CEC 210.21(B) (SEE EXCEPTIONS, AND REFER TO 210.21(B) TABLE(S)).
- K. DO NOT INSTALL CONDUCTORS OTHER THAN SERVICE CONDUCTORS IN THE SAME SERVICE RACEWAY OR SERVICE CABLE WITH OTHER CONDUCTORS. SEE EXCEPTIONS. [CEC 230.7]
- L. PROVIDE GROUND FAULT PROTECTION OF EQUIPMENT IN ACCORDANCE WITH CEC 230.95 AND 240.13 (SEE EXCEPTIONS).
- M. FOR PVC CONDUIT, PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR RUN WITH THE FEEDER CONDUCTORS AND SIZE PER CEC TABLE 250.122.
- N. FOR PERMANENTLY CONNECTED APPLIANCES RATED NOT OVER 300 VOLTAMPERES OR 1/8 HORSEPOWER, THE BRANCH-CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS. [CEC 422.31]
- O. KEEP LIFE SAFETY BRANCH WIRING ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND SHALL NOT ENTER THE SAME RACEWAYS, BOXES, OR CABINETS WITH EACH OTHER OR OTHER WIRING. [CEC 517.41(D) (SEE EXCEPTIONS)]
- P. PROVIDE DEFERRED APPROVAL AND DESIGN BUILD FOR ANY REQUIRED MODIFICATION TO THE EXISTING FIRE ALARM SYSTEM. SUBMIT COMPLETE DRAWINGS TO THE FIRE MARSHALL FOR APPROVAL AND ASSUME FULL RESPONSIBILITY OF THE SYSTEM, DEVICE QUANTITY AND LOCATION, WIRING, PROGRAMMING AND CONTROL PANELS. COORDINATE FINAL DEVICE LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN.

CONTRACTOR METHODS OF OPERATION

ONGOING OPERATION OF THE FACILITY IS A PROJECT REQUIREMENT. TEMPORARY SHUTDOWNS OF THE ELECTRICAL SYSTEM ARE ACCEPTABLE DURING DAYTIME HOURS. FACILITY IS REQUIRED TO BE OPERATIONAL IN THE EVENING. PROVIDE TEMPORARY POWER AS REQUIRED TO COMPLETE THE SCOPE OF WORK.

BEFORE BEGINNING CONSTRUCTION, PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES. SCHEDULE SHALL IDENTIFY SHUTDOWN TIMES AND ANTICIPATED DURATION.

CODES & STANDARDS

1. 2022 CALIFORNIA BUILDING CODE
2. 2022 CALIFORNIA ELECTRICAL CODE
3. 2022 CALIFORNIA MECHANICAL CODE
4. 2022 CALIFORNIA PLUMBING CODE
5. 2022 CALIFORNIA ENERGY CODE (TITLE 24)
6. 2022 CALIFORNIA FIRE CODE
7. 2022 CALIFORNIA GREEN CODE
8. CITY OF BERKELEY STANDARDS

DRAWING INDEX

- E001 COVER SHEET - ELECTRICAL
- E101 EXTERIOR TITLE 24
- E102 EXTERIOR TITLE 24
- E201 ELECTRICAL PLAN
- E301 SINGLE LINE DIAGRAMS & SCHEDULES



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PROJECT:

FIRE STATION NO. 6 REMODEL

999 CEDAR ST.
BERKELEY, CA 94710

PROJECT NUMBER:
201320.32

CLIENT:
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IDA STRUCTURAL ENGINEERS, INC.
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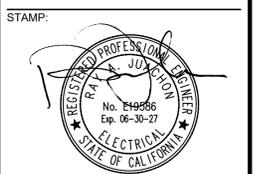
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REVISION		
NUMBER	DATE	DESCRIPTION
B	11/25/2025	BID ADDENDUM 2

ISSUE:
PERMIT SET

DATE:
05/23/2025



Date Signed:
11/24/25

SHEET TITLE:
COVER SHEET - ELECTRICAL

SHEET NUMBER:

E001

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)(2) for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)(6), 180.1(a) and 180.2(b)(4) for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.
 Project Name: Berkeley F56 Report Page: (Page 1 of 9)
 Project Address: Date Prepared: 2025-10-22T11:35:36-04:00

A. GENERAL INFORMATION

01 Project Location (city)	Berkeley	04 Total Illuminated Hardscape Area (ft ²)	292
02 Climate Zone	3		
03 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):			
<input type="checkbox"/> LZ-0: Very Low - Undeveloped Parkland	<input type="checkbox"/> LZ-2: Moderate - Urban Clusters	<input type="checkbox"/> LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
<input type="checkbox"/> LZ-1: Low - Rural Areas	<input checked="" type="checkbox"/> LZ-3: Moderately High - Urban Areas		
05 Occupancy Types within Project			
• All Other Occupancies			

B. PROJECT SCOPE
 This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)(6) or 141.0(b)(2) / 180.2(b)(4) for alterations.
My Project Consists of:

01	02
<input checked="" type="checkbox"/> New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)(6)
<input type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? <input checked="" type="radio"/> Yes <input type="radio"/> No
03	04
% of Existing Luminaires Being Altered ¹	Sum Total of Luminaires Being Added or Altered
<input type="checkbox"/> < 10% <input type="checkbox"/> >= 10% and < 50% <input type="checkbox"/> >= 50%	Calculation Method

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.
¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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 Schema Version: rev 20220101 Report Generated: 2025-10-22 08:35:39

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: Berkeley F56 Report Page: (Page 3 of 9)
 Date Prepared: 2025-10-22T11:35:36-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
 For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)(6) all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)(2) only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.
Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How is Wattage determined	Total Number Luminaires ²	Luminaire Status ³	Excluded per 140.7(a) / 170.2(e)(6)	Design Watts	Cutoff Req. > 6,200 Initial lumen output 130.2(b) / 160.5(c) ^{1,4}	Field Inspector
									Pass Fail
EXA	LED BOLLARD <input type="checkbox"/> Linear	18	Mfr. Spec	2	New	<input type="checkbox"/>	36	NA: < 6200 lumens	<input type="checkbox"/> <input type="checkbox"/>
EXB	WALL SCONCE <input type="checkbox"/> Linear	21	Mfr. Spec	2	New	<input type="checkbox"/>	42	NA: < 6200 lumens	<input type="checkbox"/> <input type="checkbox"/>
EXC	STEP LIGHT <input type="checkbox"/> Linear	5	Mfr. Spec	5	New	<input type="checkbox"/>	25	NA: < 6200 lumens	<input type="checkbox"/> <input type="checkbox"/>
Total Design Watts:								103	

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)
¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁴ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b) / 160.5(c)

G. SHIELDING REQUIREMENTS (BUG)
 This section does not apply to this project.

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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: Berkeley F56 Report Page: (Page 2 of 9)
 Date Prepared: 2025-10-22T11:35:36-04:00

C. COMPLIANCE RESULTS
 Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)(6) or 141.0(b)(2) / 180.2(b)(4)						Compliance Results		
01	02	03	04	05	06	07	08	09
General Hardscape Allowance 140.7(d)(1) / 170.2(e)(6) (See Table I)	+ Per Application 140.7(d)(2) / 170.2(e)(6) (See Table J)	+ Sales Frontage 140.7(d)(2) (See Table K)	+ Ornamental 140.7(d)(2) / 170.2(e)(6) (See Table L)	+ Per Specific Area 140.7(d)(2) / 170.2(e)(6) (See Table M)	OR Existing Power Allowance 141.0(b)(2) / 180.2(b)(4) (See Table N)	= Total Allowed (Watts)	≥ Total Actual (Watts)	07 must be >= 08
274.93	+ 57	+ ---	+ ---	+ 0	OR ---	= 331.93	≥ 103	COMPLIES
Shielding Compliance (See Table G for Details)						N/A		
Controls Compliance (See Table H for Details)						COMPLIES		

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 297919-1025-0004
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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTO-E
 Project Name: Berkeley F56 Report Page: (Page 4 of 9)
 Date Prepared: 2025-10-22T11:35:36-04:00

H. OUTDOOR LIGHTING CONTROLS
 This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
 Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit
Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05
Area Description	Shut-Off 130.2(c)(1) / 160.5(c)	Auto-Schedule 130.2(c)(2) / 160.5(c)	Motion Sensor 130.2(c)(3) / 160.5(c)	Field Inspector
				Pass Fail
Entrance: "EXA"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	<input type="checkbox"/> <input type="checkbox"/>
Entrance: "EXB"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	<input type="checkbox"/> <input type="checkbox"/>
Entrance: "EXC"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	<input type="checkbox"/> <input type="checkbox"/>

¹ FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
² Authority having jurisdiction may ask for cut sheets or other documentation to confirm compliance of light source.
³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

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 Schema Version: rev 20220101 Report Generated: 2025-10-22 08:35:39

els architecture+
 urban design
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PROJECT:
FIRE STATION NO. 6 REMODEL
 999 CEDAR ST.
 BERKELEY, CA 94710

PROJECT NUMBER:
201320.32
 CLIENT:
CITY OF BERKELEY
 1947 CENTER ST., 4TH FLOOR
 BERKELEY, CA 94704

PROJECT TEAM:
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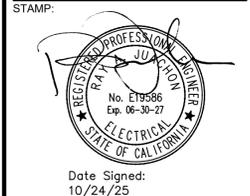
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REVISION

NUMBER	DATE	DESCRIPTION
1	08/01/2025	PLAN CHECK RESPONSE 1
2	09/17/2025	PLAN CHECK RESPONSE 2
3	10/24/2025	PLAN CHECK RESPONSE 3

ISSUE:
PERMIT SET
 DATE:
05/23/2025



SHEET TITLE:
EXTERIOR TITLE 24

SHEET NUMBER:
E101

I. LIGHTING POWER ALLOWANCE (per 140.7 /170.2(e))
 This table includes areas using allowance calculations per 140.7 /170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Area Description	01								Additional Allowance (Watts)		
	"Use it or lose it" Allowance (select all that apply) (select all that apply)										
	<input checked="" type="checkbox"/> General Hardscape Allowance Table I (below)	<input checked="" type="checkbox"/> Per Application Table J	<input type="checkbox"/> Sales Frontage Table K	<input type="checkbox"/> Ornamental Table L	<input checked="" type="checkbox"/> Per Specific Area Table M						
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel											
Area Description	02		03		04		05		06		Total General AWA + LWA (Watts)
	Area Wattage Allowance (AWA)	Permitted Area (ft ²)	Allowed Density (W/ft ²)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft)	Linear Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft)	Linear Allowance (Watts)	
Entrance	292		0.021	6.13	94	0.2	18.8				24.93
Initial Wattage Allowance for Entire Site (Watts):										250	
Instances of Initial Wattage Allowance (L2 O only) ¹											
Total General Hardscape Allowance (Watts):										274.93	

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
 This table includes areas using the wattage allowance per specific area from Table 140.7-B /Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

Area Description	Specific Area Type per Table 140.7-B	03			04			05			Additional Allowance (Watts)
		Specific Area (ft ²) ¹	Allowed Density (W/ft ²)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft)	Linear Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft)	Linear Allowance (Watts)	
Total Allowance (Watts) All Areas:											

¹ FOOTNOTES: See Table 140.7-B /Table 170.2-S for rules for calculating the specific areas (ft²) for these additional lighting allowances.
² For luminaires indicated in Table F as linear, wattage in column 07 is W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
 This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

Form/Title
 NRCC-LTO-E - Must be submitted for all buildings

J. LIGHTING ALLOWANCE: PER APPLICATION
 This table includes areas using the wattage allowance per application from Table 140.7-B / Table 170.2-S.

Area Description	Application per Table 140.7-B ¹	03			04			05			Additional Allowance (Watts)
		Number of Locations	Allowance per Location ²	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	Number of Luminaires	Design Watts			
Entrance	Primary Entrance (Special)	1	57	57	EXA	18	2	36	57		
					EXB	21	2	42			
					EXC	5	5	25			
Total Design Watts for this Area:									103		
Total Allowance (Watts) All Areas:									57		

¹ FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.
² The Allowance per Location for ATMs is 100W for the first ATM and 35W for each additional per Table 140.7-B /Table 170.2-S.
³ For luminaires indicated in Table F as linear, wattage in column 07 is W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
 This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
 This section does not apply to this project.

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Entrance: "EXA"; Entrance: "EXB"; Entrance: "EXC"

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ray Juachon
 Company: RIJA
 Address: CEI/HERS Certification Identification (if applicable):
 City/State/Zip: Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Ray Juachon
 Company: RIJA
 Address: License:
 City/State/Zip: Phone:

PROJECT:
FIRE STATION NO. 6 REMODEL
 999 CEDAR ST.
 BERKELEY, CA 94710

PROJECT NUMBER:
 201320.32

CLIENT:
CITY OF BERKELEY
 1947 CENTER ST., 4TH FLOOR
 BERKELEY, CA 94704

PROJECT TEAM:
ARCHITECT:
 ELS ARCHITECTURE AND URBAN DESIGN
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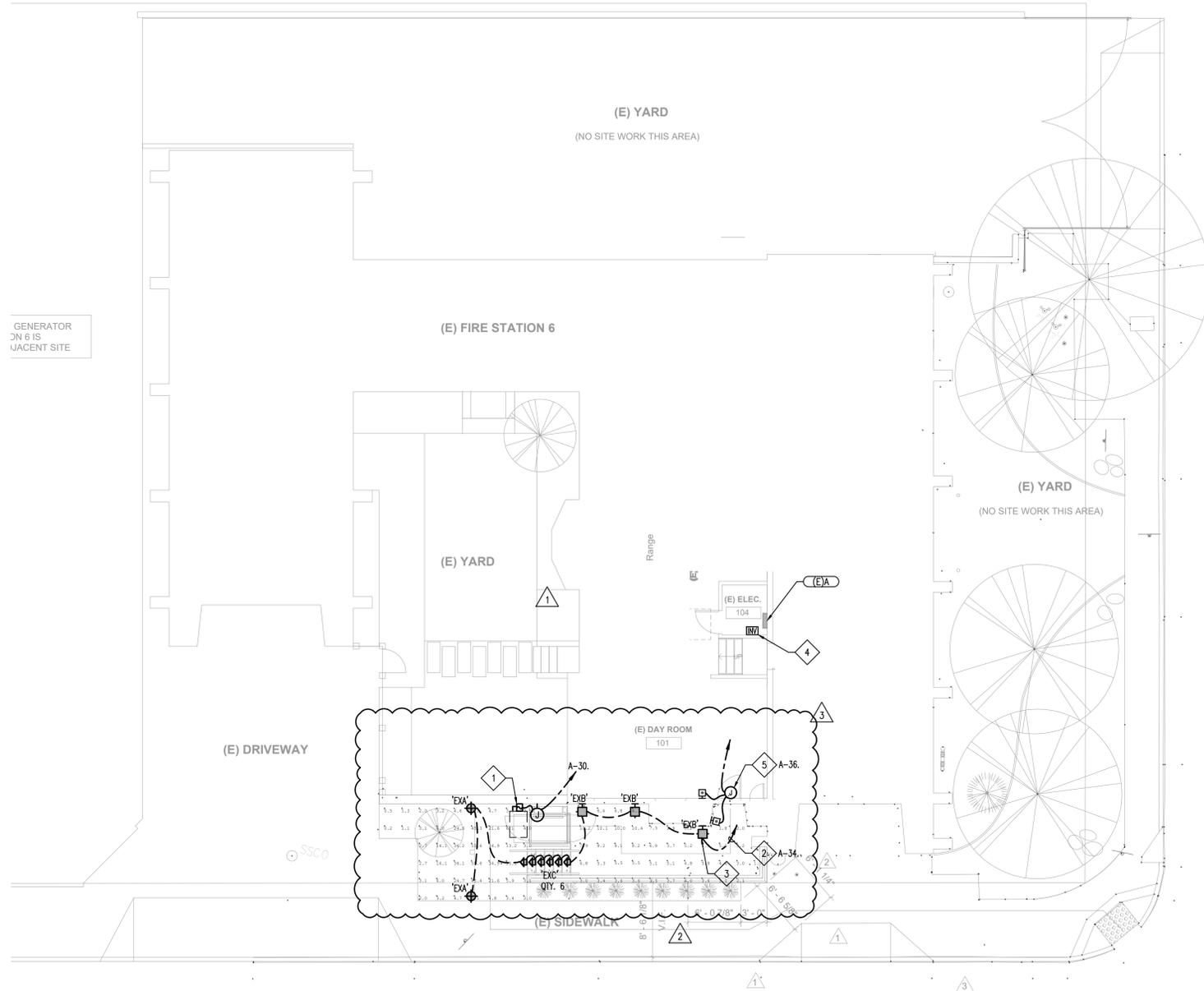
REVISION		
NUMBER	DATE	DESCRIPTION
1	08/01/2025	PLAN CHECK RESPONSE 1
2	09/17/2025	PLAN CHECK RESPONSE 2
3	10/24/2025	PLAN CHECK RESPONSE 3

ISSUE:
PERMIT SET
 DATE:
 05/23/2025



SHEET TITLE:
EXTERIOR TITLE 24

SHEET NUMBER:
E102



01 ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

Luminaire Schedule				
Label	Description	Qty	Luminaire Lumens	Luminaire Watts
EXB1	A01-D10A-18 LED2	3	1318	26
EXC	33053AMP BEGA 1BS	6	57	4.61
EXA	99558 BEGA 1BS	2	1663	21

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Ground	Illuminance	Fc	14.82	193.3	0.1	148.20	1913
LANDING	Illuminance	Fc	5.06	10.4	0.2	25.30	52.00
STAIR 1	Illuminance	Fc	14.80	37.7	2.9	5.10	13.00
STAIR 2	Illuminance	Fc	17.23	46.8	2.4	7.18	19.50
STAIR 3	Illuminance	Fc	17.83	47.0	2.5	7.13	18.80
STAIR 4	Illuminance	Fc	19.60	49.3	4.2	4.67	11.74
STAIR 5	Illuminance	Fc	17.50	47.1	2.6	6.73	18.12

03 PHOTOMETRICS
SCALE: NO SCALE

GENERAL SHEET NOTES

- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS, ELECTRICAL DEVICES, LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.
- REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENT FOR TYPES AND MATERIALS. COORDINATE LUMINAIRE CEILING ROUGH-INS, TRIM AND SUPPORT WITH LIGHTING SUPPLIER PRIOR TO RELEASE OF LUMINAIRES.
- IN FINISHED AREAS RUN ALL CONDUITS CONCEALED U.O.N. PAINT ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT, REFER TO ARCHITECT SPECIFICATIONS FOR PAINTING REQUIREMENTS.

SHEET NOTES

- FOR LIFT, PROVIDE COMPLETE CONNECTION. PROVIDE 30AMP DISCONNECT SWITCH WITH 20AMP FUSES.
- ROUTE CIRCUIT VIA MINI LIGHTING INVERTER LOCATED IN ELECTRICAL CLOSET.
- REPLACE EXISTING LUMINAIRE WITH NEW, RE-USE EXISTING JUNCTION BOX.
- MINI LIGHTING INVERTER, BODINE #ELS-100 OR APPROVED.
- 120V FOR DOOR OPERATOR. COORDINATE ROUGH-INS WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK. PROVIDE COMPLETE CONNECTION TO OPERATOR PUSHPLATES SHOWN ON PLAN.

LIGHTING SEQUENCE OF OPERATIONS

ALL LIGHTING SHALL BE ON-OFF, CONTROLLED VIA ASTRONOMICAL TIME CLOCK

LUMINAIRE SCHEDULE	
TYPE:	EXA
DESCRIPTION:	LED BOLLARD
HOUSING:	ALUMINUM ALLOY AND STAINLESS STEEL, MARINE GRADE
FINISH:	BRONZE
DRIVER/BALLAST:	0-10V DIM
LED/LAMPS:	3000K, 90CRI, 1662 LUMENS
WATTS:	18W
MANUFACTURER:	BEGA #899558 OR APPROVED
NOTES:	PROVIDE CONCRETE BASE
TYPE:	EXB
DESCRIPTION:	WALL SCONCE, 18" x 4" x 6"
HOUSING:	DECORATIVE ALUMINUM HORIZONTAL BARS
FINISH:	STANDARD SELECTION BY ARCHITECT
DRIVER/BALLAST:	INTEGRAL 0-10V
LED/LAMPS:	1350L, 3000K, 80CRI
WATTS:	25W
MANUFACTURER:	OCL #AU1-010A-18-MW-BNP-LED2-30K-UNV-DM1 OR APPROVED
NOTES:	
TYPE:	EXC
DESCRIPTION:	STEP LIGHT
HOUSING:	DIE CAST HOUSING
FINISH:	RAL CUSTOM FINISH
DRIVER/BALLAST:	INTEGRAL 0-10V
LED/LAMPS:	231L, 3000K, 90CRI
WATTS:	5W
MANUFACTURER:	BEGA B33053 OR APPROVED
NOTES:	

2040 Addison St, Berkeley, CA 94704
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FIRE STATION NO. 6 REMODEL

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BERKELEY, CA 94710

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PROJECT TEAM:
ARCHITECT:
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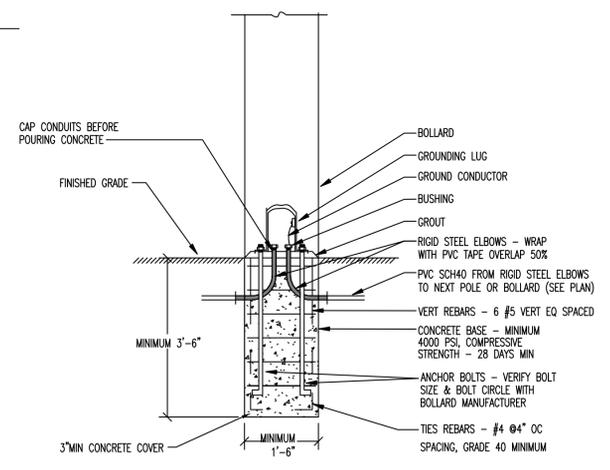
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DATE:
05/23/2025



Date Signed:
10/24/25

ENLARGED PLAN - ELECTRICAL

SHEET NUMBER:

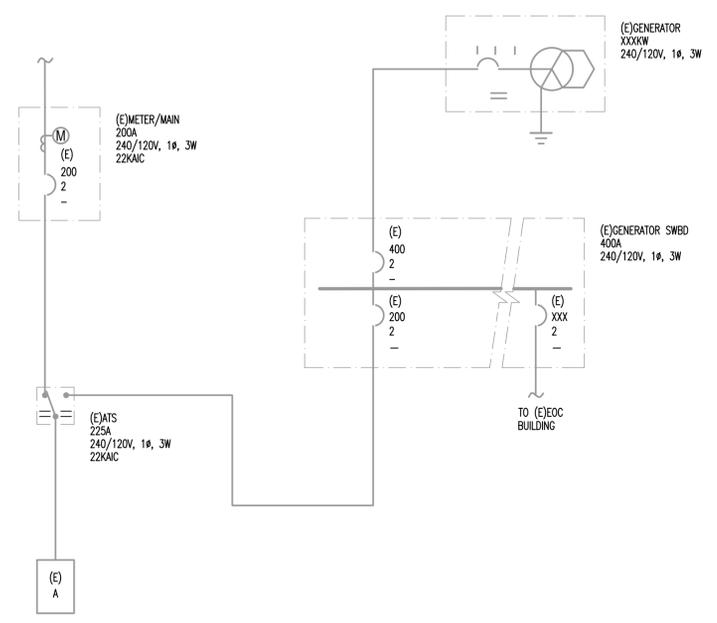


02 TYPE 'EXA' BASE
SCALE: NO SCALE

E201

LOAD VERIFICATION	
EXISTING PEAK LOAD:	6.42 KW
DATE RECORDED:	12/28/2021
SOURCE:	PG&E UTILITY DATA
EXISTING SERVICE SIZE:	200 A 120/240V 1 PHASE
SERVICE CAPACITY:	48 KW
EXISTING PEAK LOAD X 125%:	8.025 KW
ADDED LOAD: (SEE PANEL SCHEDULE)	2.40 KW
NEW CALCULATED DEMAND LOAD:	10.43 KW

NEW LOAD IS WITHIN EQUIPMENT CAPACITY



01 PARTIAL SINGLE LINE DIAGRAM - FOR REFERENCE
SCALE: 1/4" = 1'-0"

(E) PANEL A		VOLTAGE: 240/120 V PHASE WIRE: 1 PH 3W		PHASE A: 1582 VA 13.2 A PHASE B: 800 VA 6.7 A							
		MAIN AMPS: 200 A		CONNECTED: 2382 VA 9.9 A							
		BUS AMPS: 225 A		DEMAND: 2403 VA 10 A							
		AIC RATING: 22000 A									
		MOUNTING: SURFACE									
NOTES	LOAD DESCRIPTION	Φ	VA	BKR	CKT	CKT	BKR	VA	Φ	LOAD DESCRIPTION	NOTES
	EXISTING LOAD	A		201	1	2	20/1		A	EXISTING LOAD	
	EXISTING LOAD	B		201	3	4	20/1		B	EXISTING LOAD	
	EXISTING LOAD	A		201	5	6	20/1		A	EXISTING LOAD	
	EXISTING LOAD	B		201	7	8	20/1		B	EXISTING LOAD	
	EXISTING LOAD	A		201	9	10	20/1		A	EXISTING LOAD	
	EXISTING LOAD	B		201	11	12	20/1		B	EXISTING LOAD	
	EXISTING LOAD	A		201	13	14	20/1		A	EXISTING LOAD	
	EXISTING LOAD	B		201	15	16	20/1		B	EXISTING LOAD	
	EXISTING LOAD	A		201	17	18	20/1		A	EXISTING LOAD	
	EXISTING LOAD	B		201	19	20	20/1		B	EXISTING LOAD	
	EXISTING LOAD	A		201	21	22	20/2		A	EXISTING LOAD	
	EXISTING LOAD	B		201	23	24	-		B	-	
	EXISTING LOAD	A		201	25	26	20/1		A	EXISTING LOAD	
	EXISTING SPACE	B		-	27	28	20/1		B	EXISTING LOAD	
	EXISTING LOAD	A		20/2	29	30	20/1	M	1500	A	EXTERIOR LIFT 1
	-	B		-	31	32	-		B	EXTERIOR LTG	
	EXISTING LOAD	A		-	33	34	15/1	L	82	A	EXT. PATH LTG / INV 1
	-	B		-	35	36	20/1	G	800	B	DOOR OPERATOR 1
	EXISTING SPACE	A		-	37	38	-		A	EXISTING SPACE	
	EXISTING SPACE	B		-	39	40	-		B	EXISTING SPACE	
	EXISTING SPACE	A		-	41	42	-		A	EXISTING SPACE	

GENERAL NOTES		SCHEDULE NOTES	
a.		1.	PROVIDE NEW CIRCUIT BREAKER, MATCH EXIST MFG AND AIC RATING.
b.		2.	
c.		3.	

LOAD TYPE	LOAD DESCRIPTION	CONNECTED (kVA)	SUBFED (kVA)	TOTAL BY TYPE (kVA)	DEMAND FACTOR (kVA)	DEMAND BY TYPE (kVA)
G	GENERAL	0.80	0.00	0.80	100%	0.80
L	LIGHTING	0.08	0.00	0.08	125%	0.10
R	RECEPTACLES	0.00	0.00	0.00	100%/50%	0.00
K	KITCHEN	0.00	0.00	0.00	100%	0.00
H	HEATING	0.00	0.00	0.00	100%	0.00
M	MOTORS	1.50	0.00	1.50	100%	1.50
LM	LARGEST MOTOR	0.00	0.00	0.00	125%	0.00
WH	WATER HEATER	0.00	0.00	0.00	125%	0.00
C	CONTINUOUS	0.00	0.00	0.00	125%	0.00

GENERAL SHEET NOTES

- A. DERATE WIRE SIZE PER NEC FOR NUMBER OF CURRENT CARRYING WIRES AND FOR AMBIENT TEMPERATURE OF 86F
- B. FEEDERS SHOWN ARE COPPER CONDUCTORS WITH THHN/THWN INSULATION TYPE UNLESS NOTED OTHERWISE.
- C. FEEDER LENGTH AND VOLTAGE DROP CALCULATIONS ARE FOR ESTIMATING VOLTAGE DROP AND SHORT CIRCUIT COORDINATION PURPOSES ONLY. CONTRACTOR SHALL USE ACTUAL FEEDER LENGTHS TO CALCULATE ACTUAL VOLTAGE DROP AND SHORT CIRCUIT VALUES.
- D. THE CONTRACTOR SHALL PROVIDE AND INSTALL PERMANENT ARC FLASH WARNING LABELS FOR ALL NEW POWER DISTRIBUTION EQUIPMENT (CEC 110.16). LABEL SHALL BE FACTORY APPLIED AND MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS.



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PROJECT:

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REMODEL**

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05/23/2025



Date Signed:
10/24/25

SHEET TITLE:
**SINGLE LINE
DIAGRAM &
SCHEDULES**

SHEET NUMBER:

E301