

CONSTRUCTION BEST MANAGEMENT PRACTICES

CONSTRUCTION PROJECTS ARE REQUIRED TO IMPLEMENT THE STORMWATER BEST MANAGEMENT PRACTICES (BMP) ON THIS PAGE, AS THEY APPLY TO THE PROJECT, ALL YEAR LONG.

MATERIALS & WASTE MANAGEMENT

NON-HAZARDOUS MATERIALS
• BERM AND COVER STOCKPILES OF SAND, DIRT OR OTHER CONSTRUCTION MATERIAL WITH TARPS WHEN RAIN IS FORECAST OR IF NOT ACTIVELY BEING USED WITHIN 14 DAYS.

HAZARDOUS MATERIALS
• LABEL ALL HAZARDOUS MATERIALS AND HAZARDOUS WASTES (SUCH AS PESTICIDES, PAINTS, THINNERS, SOLVENTS, FUEL, OIL, AND ANTIFREEZE) IN ACCORDANCE WITH CITY, COUNTY, STATE AND FEDERAL REGULATIONS.

WASTE MANAGEMENT
• COVER WASTE DISPOSAL CONTAINERS SECURELY WITH TARPS AT THE END OF EVERY WORK DAY AND DURING WET WEATHER.
• CHECK WASTE DISPOSAL CONTAINERS FREQUENTLY FOR LEAKS AND TO MAKE SURE THEY ARE NOT OVER FILLED.

CONSTRUCTION ENTRANCES AND PERIMETER
• ESTABLISH AND MAINTAIN EFFECTIVE PERIMETER CONTROLS AND STABILIZE ALL CONSTRUCTION ENTRANCES AND EXITS TO SUFFICIENTLY CONTROL EROSION AND SEDIMENT DISCHARGES FROM SITE AND TRACKING OFF SITE.

EQUIPMENT MANAGEMENT & SPILL CONTROL

MAINTENANCE AND PARKING
• DESIGNATE AN AREA, FITTED WITH APPROPRIATE BMPS, FOR VEHICLE AND EQUIPMENT PARKING AND STORAGE.
• PERFORM MAJOR MAINTENANCE, REPAIR JOBS, AND VEHICLE AND EQUIPMENT WASHING OFF SITE.

SPILL PREVENTION AND CONTROL
• KEEP SPILL CLEANUP MATERIALS (E.G., RAGS, ABSORBENTS AND CAT LITTER) AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
• INSPECT VEHICLES AND EQUIPMENT FREQUENTLY FOR AND REPAIR LEAKS PROMPTLY.

EARTHMOVING
• SCHEDULE GRADING AND EXCAVATION WORK DURING DRY WEATHER. - STABILIZE ALL ERODED AREAS, INSTALL AND MAINTAIN TEMPORARY EROSION CONTROLS (SUCH AS EROSION CONTROL FABRIC OR BONDED FIBER MATRIX) UNTIL VEGETATION IS ESTABLISHED.

CONTAMINATED SOILS
• IF ANY OF THE FOLLOWING CONDITIONS ARE OBSERVED, TEST FOR CONTAMINATION AND CONTACT THE REGIONAL WATER QUALITY CONTROL BOARD:
• UNUSUAL SOIL CONDITIONS, DISCOLORATION, OR ODOR.

PAINT CLEAN-UP & REMOVAL

• NEVER CLEAN BRUSHES OR RINSE PAINT CONTAINERS INTO A STREET, GUTTER, STORM DRAIN, OR STREAM.
• FOR WATER-BASED PAINTS, PAINT OUT BRUSHES TO THE EXTENT POSSIBLE, AND RINSE INTO A DRAIN THAT GOES TO THE SANITARY SEWER.

SPECIFICATIONS

SECTION 07 84 00 – FIRESTOPPING

PART 1 – GENERAL

1.01 SUMMARY
A. PROVIDE FIRESTOPPING AND SMOKE-SEALING SYSTEMS TO MAINTAIN THE REQUIRED FIRE-RESISTANCE RATING AND SMOKE-RESISTANCE OF WALLS, FLOORS, AND ROOFS WHERE PENETRATED BY CABLES, CONDUITS, PIPES, SLEEVES, JOINTS, AND MISCELLANEOUS OPENINGS.

1.02 RELATED SECTIONS
A. 07 21 00 – THERMAL INSULATION (COORDINATION AT RATED ASSEMBLIES)
B. 26 05 00 – COMMON WORK RESULTS FOR ELECTRICAL (PENETRATIONS BY CONDUIT/CABLE TRAYS).

1.03 REFERENCES
A. CALIFORNIA BUILDING CODE (CBC) – FIRE-RESISTANCE RATED ASSEMBLIES AND PENETRATIONS.
B. ASTM E814 (UL 1479) – FIRE TESTS OF PENETRATION FIRESTOP SYSTEMS.

1.04 ADMINISTRATIVE REQUIREMENTS
A. COORDINATION: PRIOR TO ROUGH-IN, VERIFY LOCATIONS OF RATED ASSEMBLIES AND PLANNED PENETRATIONS; SELECT TESTED SYSTEMS APPROPRIATE TO ASSEMBLY TYPE, OPENING SIZE, AND PENETRATING ITEM(S).

1.05 SUBMITTALS
A. PRODUCT DATA: MANUFACTURER TECHNICAL DATA, INSTALLATION INSTRUCTIONS, CURE/EXPANSION CHARACTERISTICS, VOC CONTENT.
B. ENGINEERING JUDGMENTS/SHOP DRAWINGS: IF A TESTED ASSEMBLY IS NOT AVAILABLE, PROVIDE MANUFACTURER'S ENGINEERING JUDGMENT (EJ) STAMPED BY A QUALIFIED ENGINEER FOR THE SPECIFIC CONDITION.

1.06 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: EXPERIENCED IN FIRESTOP SYSTEMS; MANUFACTURER-TRAINED PREFERRED.
B. REGULATORY COMPLIANCE: USE ONLY UL-CLASSIFIED OR FM-APPROVED SYSTEMS APPROPRIATE TO THE ASSEMBLY AND PENETRANT.

1.07 WARRANTY
A. FIRESTOPPING SYSTEMS: MANUFACTURER'S STANDARD WARRANTY.
B. CONTRACTOR WARRANTY: ONE (1) YEAR ON INSTALLATION WORKMANSHIP.

PART 2 – PRODUCTS

2.01 GENERAL
A. PROVIDE INTUMESCENT AND NON-INTUMESCENT FIRESTOP MATERIALS AS REQUIRED BY PENETRANT TYPE (PLASTIC, METAL, CABLE BUNDLES, SLEEVES) AND ASSEMBLY RATING.
B. SMOKE SEALS: WHERE REQUIRED IN NON-RATED SMOKE PARTITIONS, PROVIDE SMOKE-RATED ACRYLIC/URETHANE SEALANTS.

2.02 MATERIALS
A. SEALANTS: SILICONE, LATEX, ACRYLIC, URETHANE, AND INTUMESCENT PER LISTED SYSTEM; LOW-VOC WHERE REQUIRED.
B. FIRESTOP MORTARS/PUTTY/COMPOSITE SHEETS: AS SPECIFIED BY TESTED SYSTEM.

2.03 ACCESSORIES
A. BACKER RODS, MINERAL WOOL, AND FORMS: AS REQUIRED BY TESTED SYSTEM.
B. IDENTIFICATION: ADHESIVE LABELS AT EACH PENETRATION INDICATING UL SYSTEM AND RATING.

PART 3 – EXECUTION

3.01 EXAMINATION
A. VERIFY SUBSTRATES ARE CLEAN, DRY, AND PREPARED; CONFIRM PENETRANT SUPPORT AND ANNULAR SPACES PER TESTED SYSTEM LIMITS.

3.02 INSTALLATION
A. INSTALL PER MANUFACTURER AND UL-LISTED DESIGN; PACK, SEAL, AND FINISH TO FLUSH, NEAT APPEARANCE. MAINTAIN REQUIRED ANNULAR SPACE AND DEPTH; APPLY REQUIRED BOND BREAKERS/BACKERS.

3.03 FIELD QUALITY CONTROL
A. INSPECT EACH PENETRATION FOR COMPLIANCE; CORRECT GAPS, VOIDS, OR INCOMPLETE SEALS.
B. PROVIDE PHOTOGRAPHIC DOCUMENTATION OF REPRESENTATIVE PENETRATIONS FOR CLOSEOUT.

3.04 CLEANING AND PROTECTION
A. CLEAN ADJACENT SURFACES; PROTECT FINISHED WORK FROM DAMAGE.
B. UPDATE PENETRATION SCHEDULE IN AS-BUILTS.

END OF SECTION

SECTION 07 92 00 – JOINT SEALANTS

PART 1 – GENERAL

1.01 SUMMARY
A. PROVIDE SEALANTS AND CAULKING FOR JOINTS BETWEEN DISSIMILAR MATERIALS, AT COUNTERTOPS, CASEWORK, BACKSPLASHES, PLUMBING FIXTURES, AND OTHER LOCATIONS INDICATED.

1.02 SUBMITTALS
A. PRODUCT DATA: MANUFACTURER'S TECHNICAL DATA FOR EACH SEALANT.
B. COLOR CHART: FOR SELECTION FROM MANUFACTURER'S STANDARD COLORS.

1.03 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: MINIMUM 3 YEARS EXPERIENCE INSTALLING SEALANTS.
B. STANDARDS: COMPLY WITH ASTM C920 AND ASTM C1193 FOR INSTALLATION.

PART 2 – PRODUCTS

2.01 MATERIALS
A. SILICONE SEALANT: LOW-MODULUS, MILDEW-RESISTANT, NEUTRAL-CURE SILICONE SEALANT FOR WET AREAS SUCH AS SINKS AND BACKSPLASHES.
B. ACRYLIC LATEX SEALANT: PAINTABLE ACRYLIC LATEX SEALANT FOR INTERIOR JOINTS AT WALLS AND CEILINGS.

PART 3 – EXECUTION

3.01 SURFACE PREPARATION
A. CLEAN AND DRY JOINT SURFACES; REMOVE DUST, OILS, AND LOOSE MATERIALS. APPLY PRIMER WHERE REQUIRED.

3.02 INSTALLATION
A. INSTALL SEALANTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
B. PROVIDE BACKER ROD OR BOND BREAKER TAPE TO ACHIEVE REQUIRED JOINT PROFILE.
C. TOOL JOINTS TO SMOOTH, CONCAVE FINISH. REMOVE EXCESS SEALANT AND CLEAN ADJACENT SURFACES.

3.03 WARRANTY
A. PROVIDE WARRANTY FOR SEALANTS FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.

END OF SECTION

SECTION 09 91 00 – PAINTING

PART 1 – GENERAL

1.01 SUMMARY
A. PROVIDE PAINTING AND FINISHING FOR INTERIOR SURFACES INDICATED ON DRAWINGS INCLUDING WALLS, CEILINGS, CASEWORK, AND TRIM. EXCLUDE FACTORY-FINISHED ITEMS AND SURFACES CONCEALED FROM VIEW.

1.02 SUBMITTALS
A. PRODUCT DATA: PROVIDE MANUFACTURER'S DATA FOR EACH PAINT MATERIAL INCLUDING VOC CONTENT.
B. COLOR SAMPLES: SUBMIT SAMPLE CHIPS FOR EACH COLOR AND SHEEN FOR SELECTION.

1.03 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: PAINTING CONTRACTOR WITH MINIMUM 3 YEARS EXPERIENCE.
B. STANDARDS: COMPLY WITH MPI AND MANUFACTURER'S APPLICATION INSTRUCTIONS.

PART 2 – PRODUCTS

2.01 MATERIALS
A. PAINTS AND COATINGS: PROVIDE LOW-VOC LATEX OR ACRYLIC PAINTS SUITABLE FOR COMMERCIAL KITCHENS.
B. PRIMER: PROVIDE COMPATIBLE PRIMER FOR EACH SUBSTRATE.
C. FINISH COATS: PROVIDE TWO FINISH COATS UNLESS OTHERWISE NOTED.

PART 3 – EXECUTION

3.01 SURFACE PREPARATION
A. PREPARE SUBSTRATES BY CLEANING, SANDING, AND PATCHING TO PROVIDE SMOOTH, SOUND SURFACES.

3.02 APPLICATION
A. APPLY MATERIALS BY BRUSH, ROLLER, OR SPRAY TO ACHIEVE UNIFORM COVERAGE.
B. FOLLOW MANUFACTURER'S SPREADING RATES AND DRYING TIMES.
C. PROVIDE ADDITIONAL COATS IF REQUIRED FOR FULL COVERAGE.

3.03 WARRANTY
A. PROVIDE WARRANTY FOR PAINTING WORK FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.

END OF SECTION

SECTION 01 64 00 – COUNTY-FURNISHED, CONTRACTOR INSTALLED EQUIPMENT

PART 1 – GENERAL

1.01 SUMMARY
A. THIS SECTION SPECIFIES REQUIREMENTS FOR COUNTY-FURNISHED, CONTRACTOR-INSTALLED EQUIPMENT, ALSO REFERRED TO AS OWNER-FURNISHED, CONTRACTOR-INSTALLED (OFC) EQUIPMENT. THE COUNTY WILL FURNISH DESIGNATED EQUIPMENT ITEMS; THE CONTRACTOR SHALL COORDINATE, ACCEPT DELIVERY, UNLOAD, INSTALL, AND INTEGRATE THESE ITEMS INTO THE WORK.

1.02 RELATED DOCUMENTS
A. RELATED DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO:
1. DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS.
2. DIVISION 01 – GENERAL REQUIREMENTS.
3. APPLICABLE TECHNICAL SECTIONS FOR CONNECTIONS (MECHANICAL, ELECTRICAL, PLUMBING).

1.03 COUNTY RESPONSIBILITIES

A. COUNTY RESPONSIBILITIES INCLUDE, BUT ARE NOT LIMITED TO:
1. FURNISH SPECIFIED EQUIPMENT ITEMS AS IDENTIFIED IN THE CONTRACT DOCUMENTS.
2. PROVIDE EQUIPMENT DATA SHEETS AND DELIVERY SCHEDULE.
3. ARRANGE DELIVERY TO THE PROJECT SITE OR DESIGNATED STAGING AREA.

1.04 CONTRACTOR RESPONSIBILITIES

A. THE CONTRACTOR SHALL:
1. COORDINATE DURING DESIGN AND PERMITTING
a. WORK WITH THE COUNTY DURING DESIGN DEVELOPMENT AND PERMITTING TO CONFIRM EQUIPMENT SELECTIONS MEET CODE, CAPACITY, AND INTEGRATION REQUIREMENTS.
b. INCORPORATE EQUIPMENT DIMENSIONS, WEIGHTS, AND UTILITY REQUIREMENTS INTO DESIGN DOCUMENTS AND PERMIT SUBMITTALS.
2. PREPARE FOR INSTALLATION
a. PROVIDE ALL REQUIRED STRUCTURAL SUPPORTS, BLOCKING, ANCHORAGE, AND UTILITY ROUGH-INS. ENSURE CLEARANCES AND ACCESS FOR INSTALLATION AND MAINTENANCE.
b. PROVIDE ALL FINAL CONNECTIONS (MECHANICAL, ELECTRICAL, PLUMBING) AND INTEGRATION WITH BUILDING SYSTEMS.
c. PERFORM START-UP AND TESTING IN COORDINATION WITH THE COUNTY AND MANUFACTURER.
3. ACCEPT DELIVERY AND UNLOAD
a. RECEIVE EQUIPMENT AT THE SITE
b. INSPECT FOR DAMAGE AND DOCUMENT CONDITION WITH PHOTOGRAPHS
c. REPORT DISCREPANCIES IMMEDIATELY TO THE COUNTY.
d. OBTAIN COPIES OF BILLS OF LADING, PACKING SLIPS, AND ANY OTHER DELIVERY DOCUMENTATION AND PROVIDE TO THE COUNTY.
e. PROVIDE UNLOADING EQUIPMENT AND LABOR
f. STORE EQUIPMENT IN A SECURE, WEATHER-PROTECTED AREA.
4. INSTALL EQUIPMENT
a. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND APPLICABLE CODES.
b. PROVIDE ALL FINAL CONNECTIONS (MECHANICAL, ELECTRICAL, PLUMBING) AND INTEGRATION WITH BUILDING SYSTEMS.
c. PERFORM START-UP AND TESTING IN COORDINATION WITH THE COUNTY AND MANUFACTURER.
5. WARRANTY COORDINATION
a. ASSIST THE COUNTY IN REGISTERING WARRANTIES AND PROVIDING DOCUMENTATION.
b. ENSURE INSTALLATION DOES NOT VOID MANUFACTURER'S WARRANTY.

1.05 SUBMITTALS
A. REQUIRED SUBMITTALS INCLUDE:
1. COORDINATION DRAWINGS SHOWING EQUIPMENT LOCATIONS AND CLEARANCES.
2. INSTALLATION PLANS AND CONNECTION DETAILS.
3. DELIVERY ACCEPTANCE FORMS.
4. START-UP AND TESTING REPORTS.

PART 2 – PRODUCTS

A. EQUIPMENT FURNISHED BY OWNER:
1. AS SPECIFIED IN SCOPE OF WORK
B. CONTRACTOR SHALL PROVIDE ALL ANCILLARY MATERIALS REQUIRED FOR INSTALLATION, SUCH AS FASTENERS, SUPPORTS, CONNECTORS.

PART 3 – EXECUTION

A. COORDINATE INSTALLATION SCHEDULE WITH COUNTY DELIVERY DATES.
B. VERIFY SITE CONDITIONS PRIOR TO INSTALLATION.
C. INSTALL EQUIPMENT LEVEL, PLUMB, AND SECURE.
D. CONNECT TO UTILITIES; TEST FOR PROPER OPERATION.
E. PROVIDE TRAINING TO COUNTY PERSONNEL IF REQUIRED.

END OF SECTION

SECTION 01 64 10 – CONTRACTOR-FURNISHED EQUIPMENT

PART 1 – GENERAL

1.01 SUMMARY
A. THIS SECTION SPECIFIES REQUIREMENTS FOR CONTRACTOR-FURNISHED EQUIPMENT (CFE). THE CONTRACTOR SHALL PROCURE, DELIVER, INSTALL, AND INTEGRATE ALL EQUIPMENT IDENTIFIED AS CONTRACTOR-FURNISHED IN THE CONTRACT DOCUMENTS. EQUIPMENT SHALL BE NEW, OF CURRENT MANUFACTURE, AND MEET ALL PERFORMANCE AND CODE REQUIREMENTS.

1.02 RELATED DOCUMENTS
A. RELATED DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO:
1. DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS.
2. DIVISION 01 – GENERAL REQUIREMENTS.
3. APPLICABLE TECHNICAL SECTIONS FOR CONNECTIONS (MECHANICAL, ELECTRICAL, PLUMBING).

1.03 CONTRACTOR RESPONSIBILITIES

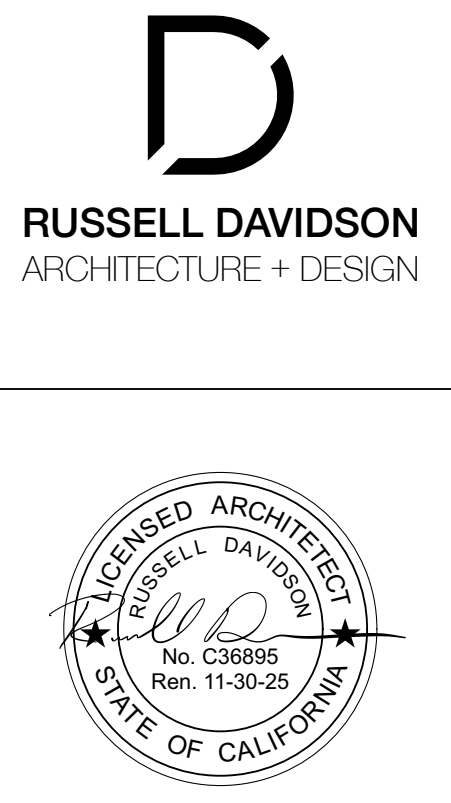
A. THE CONTRACTOR SHALL:
1. SELECTION AND SUBMITTALS
a. PROVIDE EQUIPMENT THAT MEETS SPECIFICATIONS AND PERFORMANCE CRITERIA.
b. SUBMIT PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES FOR APPROVAL PRIOR TO PURCHASE.
c. CONFIRM COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS.
2. PROCUREMENT AND DELIVERY
a. PURCHASE AND ARRANGE DELIVERY OF EQUIPMENT TO THE PROJECT SITE.
b. INSPECT EQUIPMENT UPON ARRIVAL FOR DAMAGE OR DEFECTS; REPORT DISCREPANCIES IMMEDIATELY.
c. PROVIDE UNLOADING EQUIPMENT AND LABOR; STORE EQUIPMENT IN A SECURE, WEATHER-PROTECTED AREA.
3. INSTALLATION AND INTEGRATION
a. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND APPLICABLE CODES.
b. PROVIDE ALL FINAL CONNECTIONS (MECHANICAL, ELECTRICAL, PLUMBING) AND INTEGRATION WITH BUILDING SYSTEMS.
c. PERFORM START-UP AND TESTING IN COORDINATION WITH THE MANUFACTURER.
4. WARRANTY AND DOCUMENTATION
a. REGISTER WARRANTIES AND PROVIDE DOCUMENTATION TO THE COUNTY.
b. ENSURE INSTALLATION DOES NOT VOID MANUFACTURER'S WARRANTY.

1.04 SUBMITTALS
A. REQUIRED SUBMITTALS INCLUDE:
1. PRODUCT DATA AND SHOP DRAWINGS.
2. COORDINATION DRAWINGS SHOWING EQUIPMENT LOCATIONS AND CLEARANCES.
3. DELIVERY AND INSPECTION REPORTS.
4. START-UP AND TESTING REPORTS.
5. WARRANTY CERTIFICATES.

PART 2 – PRODUCTS
A. EQUIPMENT SHALL BE NEW, CURRENT MODEL, AND MEET ALL SPECIFIED PERFORMANCE CRITERIA.
B. PROVIDE ALL ANCILLARY MATERIALS REQUIRED FOR INSTALLATION (FASTENERS, SUPPORTS, CONNECTORS).

PART 3 – EXECUTION
A. COORDINATE INSTALLATION SCHEDULE WITH OVERALL PROJECT SCHEDULE.
B. VERIFY SITE CONDITIONS PRIOR TO INSTALLATION.
C. INSTALL EQUIPMENT LEVEL, PLUMB, AND SECURE.
D. CONNECT TO UTILITIES; TEST FOR PROPER OPERATION.
E. PROVIDE TRAINING TO COUNTY PERSONNEL IF REQUIRED.

END OF SECTION



NEVADA CITY VETS HALL KITCHEN RENOVATION
415 N. PINE ST.
NEVADA CITY, CA 95959
APN: 005-096-001

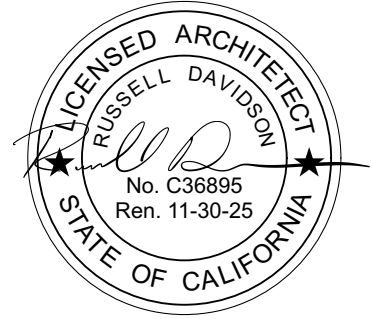
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PROJECT SPECIFICATIONS

G1.0

2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 1



CHAPTER 3 GREEN BUILDING SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 3 apply to newly constructed buildings...

A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A].

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances.

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)
301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant Improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

- HCD Department of Housing and Community Development
BSC California Building Standards Commission
DSA-SS Division of the State Architect, Structural Safety
OSHPD Office of Statewide Health Planning and Development
LR Low Rise
HR High Rise
AA Additions and Alterations
N New

CHAPTER 5 NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL

5.101.1 SCOPE. The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS

5.102.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference)

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

ZEV. [BSC-CG, DSA-SS] Any vehicle certified to zero-emission standards.

SECTION 5.105 DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES

5.105.1 SCOPE. [BSC-CG] Effective July 1, 2024, alteration(s) to existing building(s) where the combined altered floor area is 100,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3.

[DSA-SS] Alteration(s) to existing building(s) where the combined altered floor area is 50,000 square feet or greater shall comply with either Section 5.105.2, 5.409.2, or 5.409.3.

Exception [BSC-CG, DSA-SS]: Combined addition(s) to existing building(s) of two times the area or more of the existing building(s) is not eligible to meet compliance with Section 5.105.2.

5.105.2 Reuse of existing building. An alteration or addition to an existing building shall maintain at a minimum 45 percent combined of the existing building's primary structural elements (foundations; columns, beams, walls, and floors; and lateral elements) and existing building enclosure (roof framing, wall framing and exterior finishes).

5.105.2.1 Verification of compliance. Documentation shall be provided in the construction documents to demonstrate compliance with Section 5.105.2.

Note: Sample Worksheet WS-3 in Chapter 8 may be used to assist in documenting compliance with this section.

5.105.3 Deconstruction (Reserved).

SECTION 5.106 SITE DEVELOPMENT
5.106.1 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND. Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

- 1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
a. Scheduling construction activity during dry weather, when possible.
b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
c. Drainage swales or lined ditches to control stormwater flow.
d. Mulching or hydros seeding to stabilize disturbed soils.
e. Erosion control to protect slopes.
f. Protection of storm drain inlets (gravel bags or catch basin inserts).
g. Perimeter sediment control (perimeter silt fence, fiber rolls).
h. Sediment trap or sediment basin to retain sediment on site.
i. Stabilized construction exits.
j. Wind erosion control.
k. Other soil loss BMPs acceptable to the enforcing agency.

2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
a. Dewatering activities.
b. Material handling and waste management.
c. Building materials stockpile management.
d. Management of washout areas (concrete, paints, stucco, etc.).
e. Control of vehicle/equipment fueling to contractor's staging area.
f. Vehicle and equipment cleaning performed off site.
g. Spill prevention and control.
h. Other housekeeping BMPs acceptable to the enforcing agency.

5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development or sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/stormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitors, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 20% of the peak daily visitors, with a minimum of one two-bike capacity rack.

Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. Acceptable bicycle parking facility for Section 5.106.4.1.2.1, 5.106.4.1.2.2 and 5.106.4.1.2.3 shall be conveniently located near the street and shall meet one of the following:

- 1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

Calculations for bicycle parking requirements shall be rounded up to the nearest whole number.

5.106.4.1.2.1 For new buildings with tenant spaces, provide secure bicycle parking for 10 percent of the tenant-occupants, with a minimum of one bicycle parking facility.

5.106.4.1.2.2 For additions or alterations, provide secure bicycle parking for 10 percent of the tenant-occupants being added, with a minimum of one bicycle parking facility.

5.106.4.1.2.3 For new shell buildings in phased projects, provide secure bicycle parking for 10 percent of the anticipated tenant-occupants, with a minimum of one bicycle parking facility.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of two-bike capacity racks per building.

5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

- 1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

5.106.5.3 Electric vehicle (EV) charging. [N] [BSC-CG] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 EV capable spaces, Section 5.106.5.3.2 Electric vehicle charging stations and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 Electric vehicle charging stations (EVCS)—Power allocation method and associated Table 5.106.5.3.6 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

- Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
a. Where there is no local utility power supply
b. Where the local utility is unable to supply adequate power.
c. Where there is evidence suitable to the local enforcement agency substantiating the local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
2. Areas of parking facilities served by parking lifts, including but not limited to, automated mechanical-access open parking garages as defined in the California Building Code; or parking facilities otherwise incapable of supporting electric vehicle charging.

5.106.5.3.1 EV capable spaces. [N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements:

- 1. Raceways complying with the California Electrical Code and no less than 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable and into a suitable listed cabinet, box, enclosure or equivalent. A common raceway may be used to serve multiple EV charging spaces.
2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective device space(s) as "EV CAPABLE." The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

Note: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TABLE 5.106.5.3.1 EV Capable Spaces and EVCS

Table with 4 columns: TOTAL NUMBER OF ACTUAL PARKING SPACES, NUMBER OF REQUIRED EV CAPABLE SPACES, OTHER THAN OFFICE AND RETAIL NUMBER OF REQUIRED EVCS*2,3, OFFICE AND RETAIL NUMBER OF REQUIRED EVCS*2,3. Rows include building size ranges (1-9, 10-25, 26-50, 51-75, 76-100, 101-150, 151-200) and a 201 AND OVER category.

1. Calculation for spaces shall be rounded up to the nearest whole number.
2. Each EVCS shall reduce the number of required capable spaces by the same number.
3. At least one Level 2 EVSE shall be provided.

5.106.5.3.2 Electric vehicle charging stations (EVCS) EV capable spaces shall be provided with electric vehicle supply equipment (EVSE) to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 shall be provided with Level 2 EVSE or DCFC as permitted in Section 5.106.5.3.2.3. At least one Level 2 EVSE shall be provided.

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.

5.106.5.3.2.1 Receptacle configurations. 208/240V EV charging receptacles shall comply with one of the following configurations:
1. For 20-ampere receptacles, NEMA 6-20R
2. For 30-ampere receptacles, NEMA 14-30R
3. For 50-ampere receptacles, NEMA 14-50R

5.106.5.3.2.2 EV charger connectors. EV chargers shall be equipped with SAE J1772 with a maximum output 240 Volts AC or SAE J3400 connectors. When using level 2 SAE J3400 SAE connectors, supplied by a 3-phase service, at least 20 percent of the EV charger connectors shall be SAE J1772 with a maximum output 240 Volts AC.

5.106.5.3.2.3 The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE or EVCS with Level 2 EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.3.2.4 The installation of two low power Level 2 EV charging receptacles shall be permitted to reduce the minimum number of required EV capable spaces without EVSE in Table 5.106.5.3.1 by one.

5.106.5.3.2.4.1 Raceway capacity requirements. To allow for future upgrades to the electrical conductors serving low power Level 2 charging receptacles, the listed raceway serving such receptacles shall be sized to allow the installation of a dedicated 208/240-volt 40-ampere branch circuit. Where no raceway is used, the conductors shall be sized to accommodate a 208/240-volt 40-ampere receptacle.

5.106.5.3.3 Use of automatic load management systems (ALMS). ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.3.3.4 Accessible EVCS. When EVSE is installed, accessible EVSC 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 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

5.106.5.3.4 Accessible electric vehicle charging station (EVCS). When EVSE is installed, accessible EVCS shall be provided in accordance with the California Building Code, Chapter 11B, Section 11B-228.3.

5.106.5.3.5 Electric vehicle charging station signage. Electric vehicle charging stations shall be identified by signage or pavement markings in compliance with Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

Power allocation method shall include the following:
1. Use any kVA combination of EV capable spaces, low power Level 2, Level 2 or DCFC EVSEs.
2. At least one Level 2 EVSE shall be provided.

5.106.5.3.6 Electric vehicle charging stations (EVCS)—power allocation method. The power allocation method may be used as an alternative to the requirements in Section 5.106.5.3.1, Section 5.106.5.3.2 and associated Table 5.106.5.3.1. Use Table 5.106.5.3.6 to determine the total power in kVA required based on the total number of actual parking spaces.

TABLE 5.106.5.3.6 Power Allocation Method

Table with 4 columns: TOTAL NUMBER OF ACTUAL PARKING SPACES, MINIMUM TOTAL KVA @ 6.6 KVA, OTHER THAN OFFICE AND RETAIL TOTAL KVA REQUIRED IN ANY COMBINATION OF EV CAPABLE*1,2, LOW POWER LEVEL 2, LEVEL 2,1,2 OR DCFC, OFFICE AND RETAIL TOTAL KVA REQUIRED IN ANY COMBINATION OF EV CAPABLE*1,2, LOW POWER LEVEL 2, LEVEL 2,1,2 OR DCFC. Rows include building size ranges (1-9, 10-25, 26-50, 51-75, 76-100, 101-150, 151-200) and a 201 AND OVER category.

- 1. Level 2 EVSE @ 6.6 kVA minimum.
2. At least one Level 2 EVSE shall be provided.
3. Maximum allowed kVA to be utilized for EV capable spaces is 75 percent.
4. If EV capable spaces are utilized, they shall meet the requirements of Section 5.106.5.3.1 EV capable spaces.
5. For Office and Retail buildings the maximum allowed kVA to be utilized for EV capable is 25 percent.

5.106.5.3.6.1 Receptacle configurations. 208/240V EV charging receptacles shall comply with one of the following configurations:
1. For 20-ampere receptacles, NEMA 6-20R
2. For 30-ampere receptacles, NEMA 14-30R
3. For 50-ampere receptacles, NEMA 14-50R.

5.106.5.3.6.2 EV Charger connectors. EV chargers shall be equipped with SAE J1772 with a maximum output 240 Volts AC or SAE J3400 connectors. When using level 2 SAE J3400 connectors, supplied by a 3-phase service, at least 20 percent of the EV charger connectors shall be SAE J1772 with a maximum output 240 Volts AC.

5.106.5.3.6.3 Raceway capacity requirements. To allow for future upgrades to the electrical conductors serving low power Level 2 charging receptacles, the listed raceway serving such receptacles shall be sized to allow the installation of a dedicated 208/240-volt 40-ampere branch circuit. Where no raceway is used, the conductors shall be sized to accommodate a 208/240-volt 40-ampere receptacle.

5.106.5.4 Additions or alterations to existing buildings or parking facilities [A]. [BSC-CG] Existing buildings or parking facilities being modified by one of the following shall comply with Section 5.106.5.4.1 or 5.106.5.4.2. When EVSE is installed, accessible EVCS shall be provided in accordance with the California Building Code, Chapter 11B, Section 11B-228.3.

- 1. When the scope of construction work includes an increase in power supply to an electric service panel as part of a parking facility addition or alteration.
2. When a new photovoltaic system is installed covering existing parking spaces.
3. When additions or alterations to existing buildings are triggered pursuant to code Section 301.3 and the scope of work includes an increase in power supply to an electric service panel.

- Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
a. Where there is no local utility power supply.
b. Where the local utility is unable to supply adequate power.
c. Where there is evidence suitable to the local enforcement agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
d. Where demonstrated as impracticable excluding local utility service or utility infrastructure issues.
2. Remote parking facilities that do not have access to the building service panel.
3. Parking area lighting upgrades where no trenching is part of the scope of work.
4. Emergency repairs, including but not limited to water line break in parking facilities, natural disaster repairs, etc.

Y N/A RESPON. PARTY
= YES
= NOT APPLICABLE
= RESPONSIBLE PARTY (i.e. ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

5.106.5.4.1 Existing buildings or parking areas without previously installed EV capable infrastructure [A]. When EV capable infrastructure does not exist at an existing parking facility or building, and the parking facility or building undergoes an addition or alteration listed in Section 5.106.5.4, construction shall include electric vehicle charging in compliance with either Section 5.106.5.3 and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 and associated Table 5.106.5.3.6 for the total number of actual parking spaces being added or altered.

5.106.5.4.2 Existing buildings or parking areas with previously installed EV capable infrastructure [A]. When EV capable infrastructure is available at an existing parking facility or building, and the parking facility or building undergoes an addition or alteration listed in Section 5.106.5.4, construction shall include electric vehicle charging in compliance with either Section 5.106.5.3 and associated Table 5.106.5.3.1, or Section 5.106.5.3.6 and associated Table 5.106.5.3.6. Install EVCS at all existing EV capable spaces, utilizing the existing EV capable allocated power and infrastructure for the total number of actual parking spaces being added or altered, prior to adding any new EV capable spaces. If the area being added or altered exceeds the existing EV capable capacity, allocated power and infrastructure, provide additional EV charging as needed to comply with this section.

5.106.5.5 Electric vehicle (EV) charging: medium-duty and heavy-duty. [N] [BSC-CG] Construction shall comply with Section 5.106.5.5.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores, office buildings, and manufacturing facilities with planned off-street loading spaces shall also comply with Section 5.106.5.5.1 for future installation of medium- and heavy-duty EVSE.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
a. Where there is no local utility power supply.
b. Where the local utility is unable to supply adequate power.
c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:

5.106.5.5.1 Electric vehicle charging readiness requirements for warehouses, grocery stores, office buildings, and manufacturing facilities and retail stores with planned off-street loading spaces. [N]

In order to avoid future demolition when adding EV supply and distribution equipment, spare raceway(s) or busway(s) and adequate capacity for transformer(s), service panel(s) or subpanel(s) shall be installed at the time of construction in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:

- 1. The transformer, main service equipment and subpanels shall meet the minimum power requirement in Table 5.106.5.5.1 to accommodate the dedicated branch circuits for the future installation of EVSE.
2. The construction documents shall indicate one or more location(s) convenient to the planned off-street loading space(s) reserved for medium- and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s), as shown in Table 5.106.5.5.1.
3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium- and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipment for medium- and heavy-duty vehicles.
4. The raceway(s) or busway(s) shall be of sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.5.1.

TABLE 5.106.5.5.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE [N]

Table with 4 columns: BUILDING TYPE, BUILDING SIZE (SQ. FT.), NUMBER OF OFF-STREET LOADING SPACES, ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL. Rows include Grocery, Manufacturing Facilities, Office Buildings, Retail, and Warehouse.

5.106.5.6 Electric vehicle (EV) charging at public schools and community colleges. [DSA-SS] Electric vehicle infrastructure and electric vehicle charging stations shall comply with Section 5.106.5.6 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

- Exceptions:
1. On a case-by-case basis where compliance with this section has been demonstrated to be not feasible based upon one of the following conditions, and with concurrence by the Division of the State Architect (DSA), compliance with Section 5.106.5.6 shall not be required.
a. Where there is no local utility power supply.
b. Where the local utility is unable to supply adequate power.
c. The installation of EVCS is impracticable.
2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with Section 5.106.5.6.

5.106.5.6.1 EV capable spaces. EV capable spaces shall be provided in accordance with Table 5.106.5.6.1 and the following requirements:

- 1. Raceways complying with the California Electrical Code and no less than 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area and shall terminate in close proximity to the proposed location of the EV capable space and into a suitable listed cabinet, box, enclosure or equivalent. A common raceway may be used to serve multiple EV capable spaces.
2. A service panel or subpanel(s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective device space(s) as "EV CAPABLE." The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

NEVADA CITY VETS HALL KITCHEN RENOVATION

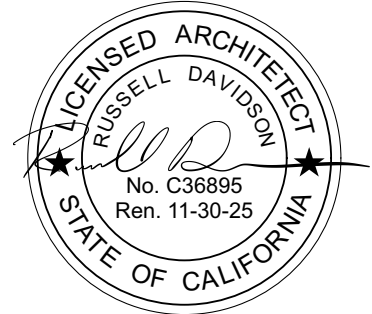
415 N. PINE ST. NEVADA CITY, CA 95959 APN: 005-096-001

Table with 3 columns: ID, NAME, DATE. Includes fields for SUBMITTED, SCALE, DRAWN BY, CHECKED BY, and JOB.

CGBCS



2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 2



NEVADA CITY VETS HALL KITCHEN RENOVATION
415 N. PINE ST.
NEVADA CITY, CA 95959
APN: 005-096-001

Table with 3 columns: ID, NAME, DATE. Includes fields for SUBMITTED, SCALE, DRAWN BY, CHECKED BY, and JOB.

CGBCS

G2.1

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter specify the requirements of achieving material conservation, resource efficiency, and greenhouse gas (GHG) emission reduction through protection of buildings from exterior moisture, construction waste management to reduce pollution through recycling of materials, the installation of products with lower GHG emissions and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 (and are included here for reference)

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

BUY CLEAN CALIFORNIA ACT (BCCA). The Buy Clean California Act (BCCA) (Public Contract Code Sections 3500-3505) targets carbon emissions associated with the production of structural steel (hot-rolled sections, hollow structural sections, and plate), concrete reinforcing steel, flat glass, and mineral wool board insulation. The maximum acceptable global warming potential (GWP) limits are established by the Department of General Services (DGS), in consultation with the California Air Resources Board (CARB).

CRADLE-TO-GRAVE. Activities associated with a product or building's life cycle from the extraction stage through disposal stage, and covering modules A1 through C4 in accordance with ISO Standards 14025 and 21930.

ORGANIC WASTE. Food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.

REFERENCE STUDY PERIOD. The period of use for the building, in years, that will be assumed for life cycle assessment.

TEST. A procedure to determine quantitative performance of a system or equipment

TYPE III ENVIRONMENTAL PRODUCT DECLARATION (EPD). A third-party verified report that summarizes how a product impacts the environment. Type III EPDs can be either product-specific, factory-specific, or industry-wide EPDs. See "Cradle-to-Gate."

FACTORY-SPECIFIC EPD. A product-specific Type III EPD in which the environmental impacts can be attributed to a single manufacturer and manufacturing facility.

INDUSTRY-WIDE EPD (IW-EPD). A Type III EPD in which the environmental impacts are an average of the typical manufacturing impacts for a range of products within the same product category for a group of manufacturers.

PRODUCT-SPECIFIC EPD. A Type III EPD in which the environmental impacts can be attributed to a product design and manufacturer across multiple facilities.

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

5.407.2 MOISTURE CONTROL. Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 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:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

- 1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

- 1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

- 1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

- 1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

5.408.2 UNIVERSAL WASTE. [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, 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. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

SPECIAL LANDSCAPE AREA (SLA). [DSA-SS] An area of the landscape dedicated solely to edible plants, planting areas used for educational purposes, recreational areas, areas irrigated with recycled water, water features using recycled water, and where turf provides a playing surface or gathering space.

SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multifamily residential structure or mixed-use residential and commercial structure. (See Civic Code Section 1954.202 (g) and Water code Section 517 for additional details.)

SECTION 5.303 INDOOR WATER USE

5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

- 1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/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.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 US).
b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter 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.

5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 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 U.S. EPA WaterSense Specification for Tank-Type Toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals. 5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads. [BSC-CG] 5.303.3.3.1 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 U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or 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.

5.303.3.4 Faucets and fountains. 5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 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.

5.303.3.4.3 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].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction. 5.303.3.4.6 Pre-rinse spray valve. When installed, commercial pre-rinse spray valves shall meet the requirements in the California Plumbing Code, Section 420.3.

5.303.4 COMMERCIAL KITCHEN EQUIPMENT.

5.303.4.1 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/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code and in Chapter 6 of this code.

SECTION 5.304 OUTDOOR WATER USE

5.304.1 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.

Notes:

- 1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS 1,2

Table with 6 columns: ALLOWABLE RATING, LIGHTING ZONE LZ0, LIGHTING ZONE LZ1, LIGHTING ZONE LZ2, LIGHTING ZONE LZ3, LIGHTING ZONE LZ4. Rows include Maximum Allowable Backlight Rating, Uplight Rating (U), and Glare Rating (G) for various luminaire types and heights.

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the California Administrative Code. 2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section. 3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for "all other outdoor lighting"

5.106.8.1 Facing-Backlight Luminaires within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line.

Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest point(s) on the property lines to determine the required backlight rating.

5.106.8.2 Facing-Glare. For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front hemisphere.

Note: [N] 1. See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways. 2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B. 3. Refer to the California Building Code for requirements for additions and alterations.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following: 1. Swales. 2. Water collection and disposal systems. 3. French drains. 4. Water retention gardens. 5. Other water measures which keep surface water away from buildings and aid in groundwater recharge. Exception: Additions and alterations not altering the drainage path.

5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.

5.106.12.2 Landscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years. Exceptions: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exceptions: 1. Walks, hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting. 2. Designated and marked play areas of organized sport activity are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 Scope [BSC-CG]. California Energy Code [DSA-SS]. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL

5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS

5.302.1 Definitions. The following terms are defined in Chapter 2 (and are included here for reference)

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which are two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

TABLE 5.106.5.6.1

Table with 3 columns: TOTAL NUMBER OF ACTUAL PARKING SPACES, NUMBER OF REQUIRED EV CAPABLE SPACES, NUMBER OF REQUIRED EVCS2. Rows show required EVCS for various parking space counts.

1. Calculation for spaces shall be rounded up to the nearest whole number. 2. Each EVCS shall reduce the number of required EV capable spaces by the same number.

5.106.5.6.2 Electric vehicle charging stations (EVCS). EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.6.1 and shall comply with Section 5.106.5.6.2. EVCS shall be serviced by Level 2 or Direct Current Fast Charging (DCFC) EVSE, or with EVSE in any combination of Level 2 and DCFC. Accessible EVCS shall be provided in accordance with California Building Code Chapter 11B.

5.106.5.6.2.1 Reduced number of EV capable spaces. The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces indicated in Table 5.106.5.6.1 by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

5.106.5.6.2.2 Multiple connectors. EVSE with multiple vehicle connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.6.1 for each EV capable space is accumulatively supplied to the EVSE.

5.106.5.6.2.3 Use of automatic load management systems (ALMS). ALMS shall be permitted for EVCS installed in accordance with Section 5.106.5.6.2. When ALMS is installed, the required electrical load capacity specified in Section 5.106.5.6.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.6.3 EVCS alternative compliance. In lieu of compliance with Section 5.106.5.6.2, EVCS shall be provided with Level 1, low power Level 2, or Level 2, or any combination of Level 1, low power Level 2 or Level 2 EVSE such that the total power supplied by the combination of EVSE meets the minimum power indicated in Table 5.106.5.6.3, based on the total number of actual parking spaces in each parking facility.

TABLE 5.106.5.6.3

Table with 2 columns: NUMBER OF PARKING SPACES IN A PARKING FACILITY, MINIMUM TOTAL POWER (KVA) REQUIRED FOR EVCS. Rows show required power for various parking space counts.

5.106.5.6.4 EVCS for alterations of or additions to parking facilities. Alterations of or additions to parking facilities shall provide EVCS in compliance with Section 5.106.5.6.4. The installation of infrastructure for EV capable spaces required to be provided without EVSE shall not be required.

5.106.5.6.4.1 Alterations of and additions to parking facilities. EVCS shall be provided in accordance with the number indicated in Table 5.106.5.6.1 or minimum power indicated in Table 5.106.5.6.3 when the scope of work includes an increase in power supply to an electric panel serving light fixtures illuminating the parking area or when area containing parking spaces is added to a parking facility. The number of required EVCS shall be based on the total number of existing and new parking spaces in the parking facility.

5.106.5.6.4.2 Alterations consisting of the installation of photovoltaic systems. EVCS shall be provided in accordance with the number indicated in Table 5.106.5.6.1 or maximum power indicated in Table 5.106.5.6.3 when a new photovoltaic system is installed in an existing parking facility.

5.106.5.6.5 Requirement to install EVSE. Level 2 EVSE shall be provided in all existing EV capable spaces to create EVCS when a project is required by California Administrative Code Section 4-309 to be submitted for plan approval to the Division of the State Architect. When EVSE is installed in existing EV capable spaces, accessible EVCS shall be provided in accordance with California Building Code Chapter 11B.

Exception: Projects in which improvements in parking areas consist only of accessibility improvements are not required to comply with Section 5.106.5.6.5.

5.106.8 LIGHT POLLUTION REDUCTION. [N] 1. Outdoor lighting systems shall be designed and installed to comply with the following:

- 1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N] 1. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code. 2. Emergency lighting. 3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6. 4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8. 5. Alternate materials, designs and methods of construction. 6. Luminaires with less than 6,200 initial luminaire lumens.

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2025 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 4

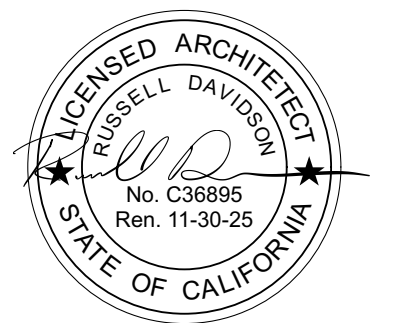


Table with 2 columns: Y, N/A RESPON. PARTY

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure...

5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements...

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Table with 2 columns: COATING CATEGORY, CURRENT VOC LIMIT. Lists various coating types and their corresponding VOC limits.

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency...

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet the requirements of the California Department of Public Health...

See California Department of Public Health's website for certification programs and testing labs.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health...

See California Department of Public Health's website for certification programs and testing labs.

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

Table with 2 columns: Y, N/A RESPON. PARTY

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde...

- 5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation...

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS

Table with 2 columns: PRODUCT, CURRENT LIMIT. Lists various wood products and their formaldehyde emission limits.

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333...
2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health...

See California Department of Public Health's website for certification programs and testing labs.

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.4.7 Thermal insulation. Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers..."

5.504.4.7.1 Verification of compliance. Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

5.504.4.8 Acoustical ceiling and wall panels. Comply with 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..."

5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

5.504.5 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...

Exceptions: Existing mechanical equipment.

5.504.5.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

5.504.7 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...

SECTION 5.505 INDOOR MOISTURE CONTROL. 5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls)...

SECTION 5.506 INDOOR AIR QUALITY. 5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code...

5.506.2 CARBON DIOXIDE (CO2) MONITORING. 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...

5.506.3 Carbon dioxide (CO2) monitoring in classrooms. [DSA-SS] Classrooms and other similar rooms that are used for group instruction shall be equipped with a carbon dioxide monitor or sensor.

[BSC-CG] Newly constructed projects and qualifying additions and alterations (per scope in Section 301.3) for University of California, California State University and private school classrooms, lecture and post-secondary classrooms shall be equipped with a carbon dioxide monitor or sensor.

[DSA-SS, BSC-CG] The carbon dioxide monitor or sensor shall meet the following requirements:
1. The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable windows...

- 2. When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel.
3. A monitor shall provide notification through a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceeded 1,100ppm.
4. The monitor or EMCS devices used to measure carbon dioxide levels shall maintain a record of previous data that includes at least the maximum carbon dioxide concentration measured.
5. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide levels with a range of 400ppm to 2000ppm or greater.
6. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than once every 5 years.

Table with 2 columns: Y, N/A RESPON. PARTY

SECTION 5.507 ENVIRONMENTAL COMFORT. 5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332...

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 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:

- 1. Within the 65 CNEL noise contour of an airport.

Exceptions:

- 1. Lw or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
2. Lw or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB Lw - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 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.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and roof-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbox.org/PDF/CaseStudies/stc_ccc_ratings.pdf.

Table with 2 columns: Y, N/A RESPON. PARTY

SECTION 5.508 OUTDOOR AIR QUALITY. 5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units...

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multilayer seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves and fittings shall comply with the California Mechanical Code and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit over the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

Table with 2 columns: Y, N/A RESPON. PARTY

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS. 702 QUALIFICATIONS. 702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program...

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

- 1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

- 1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:
1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

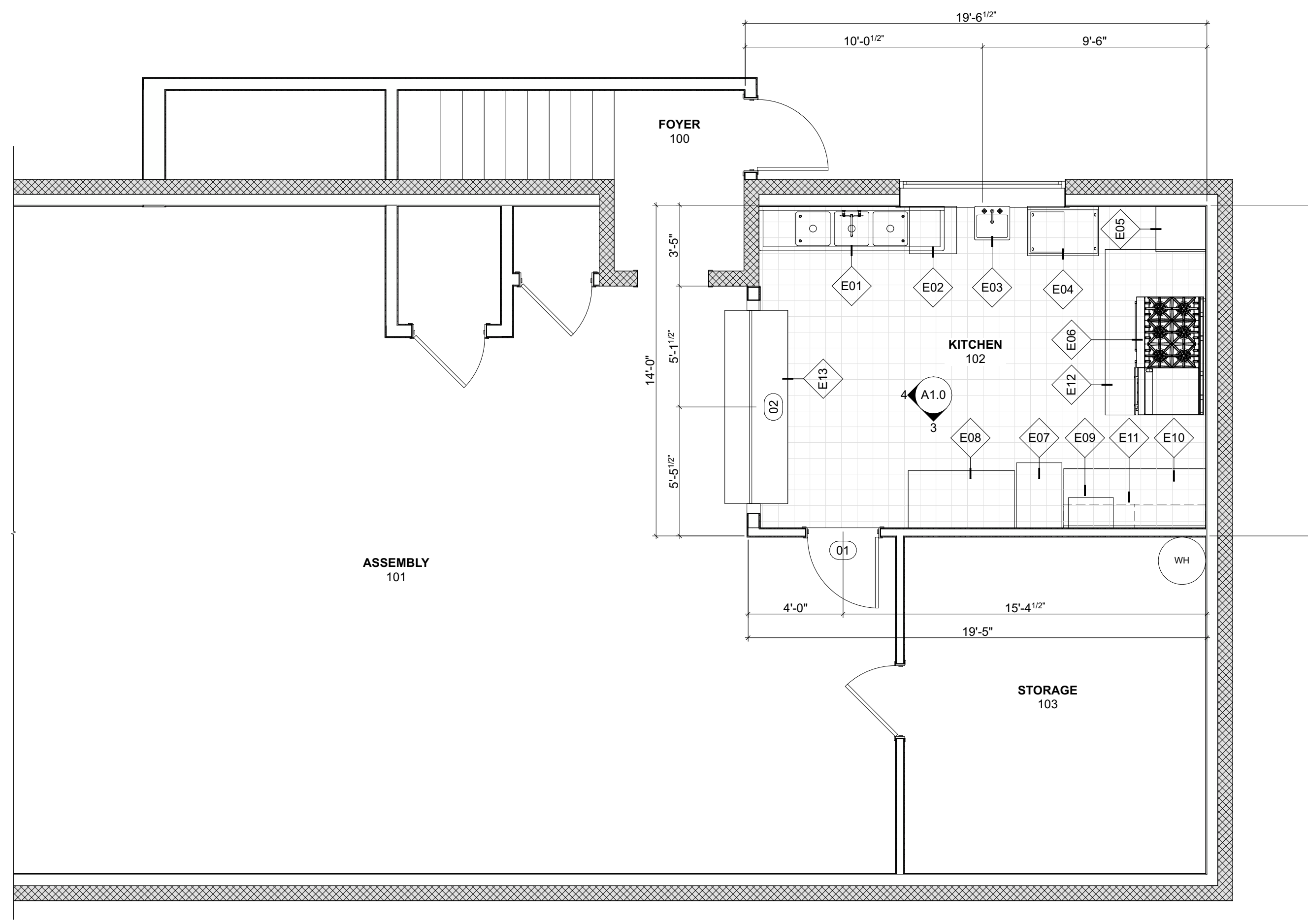
703 VERIFICATIONS. 703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

NEVADA CITY VETS HALL KITCHEN RENOVATION

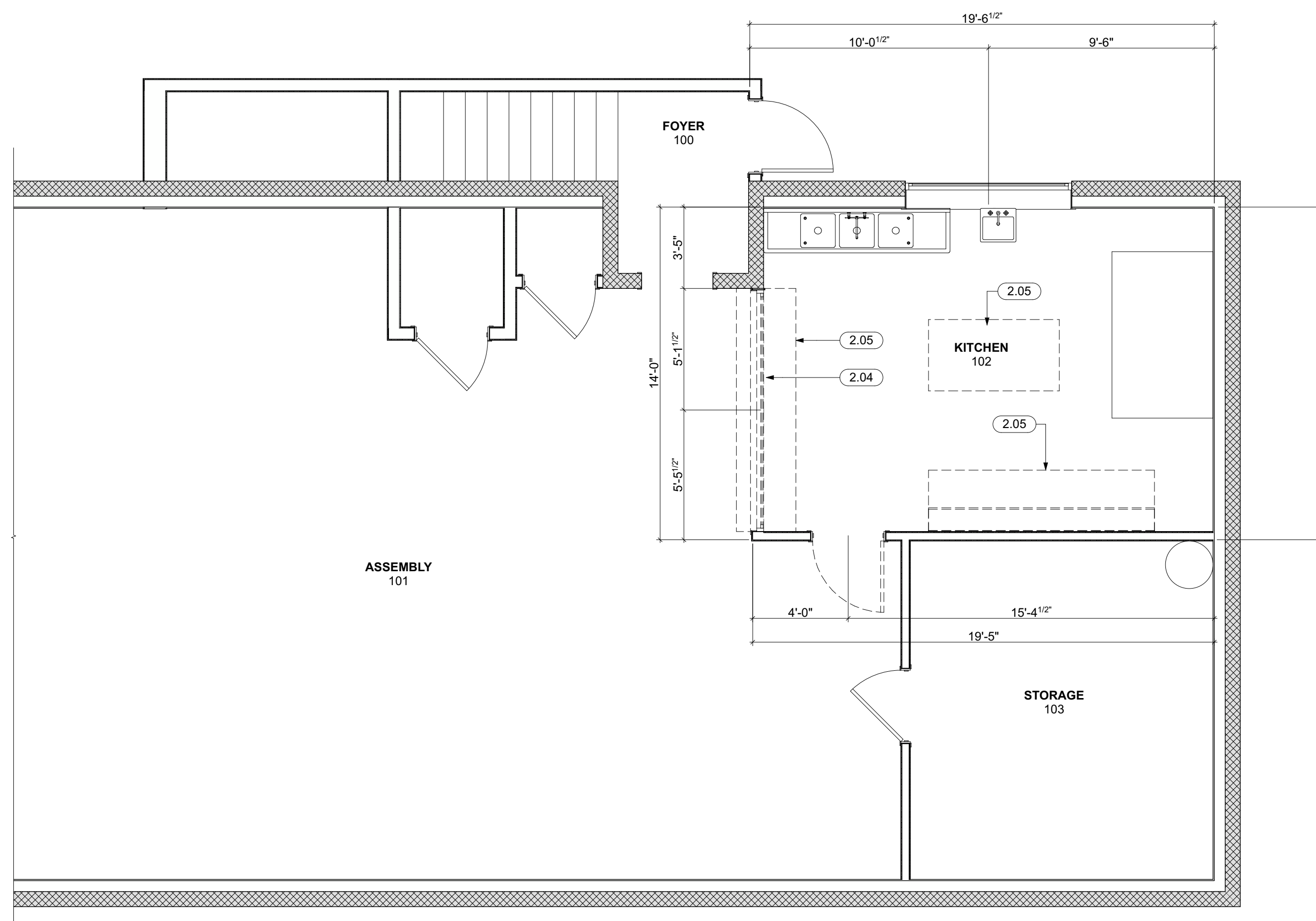
415 N. PINE ST. NEVADA CITY, CA 95959 APN: 005-096-001

Table with 3 columns: ID, NAME, DATE. Includes fields for SUBMITTED, SCALE, DRAWN BY, CHECKED BY, JOB.

CGBCS



2 1ST FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 1ST FLOOR DEMO PLAN
SCALE: 1/4" = 1'-0"

LEGEND

| | |
|-------------------------|--------------|
| — (E) WALL TO REMAIN | T THERMOSTAT |
| — (N) WALL | HOSE BIB |
| — 1 HR. FIRE WALL | GAS |
| ROOM NAME | |
| ### ROOM IDENTIFICATION | |
| ### AREA | |
| ### OCCUPANCY TYPE | |
| (A) WINDOW NUMBER | |
| (01) DOOR NUMBER | |
| (A4) PARTITION TYPE | |

- GENERAL NOTES**
- WRITTEN DIMENSIONS TO PREVAIL OVER SCALING OF DRAWINGS. SUBCONTRACTOR TO VERIFY ALL DIM. PRIOR TO CONSTRUCTION
 - EXTERIOR DIMENSIONS ARE MEASURED TO FACE OF STRUCTURAL SHEATHING / SLAB EDGE OR CENTERLINE OF STRUCTURE U.N.O.
 - INTERIOR DIMENSIONS ARE MEASURED TO FACE OF STUD, U.N.O.
 - DOORS AND WINDOWS ARE MEASURED TO CENTERLINE OF OPENINGS.
 - ALL ANGLED WALLS ARE AT 45 DEGREES U.N.O.
 - SET JAMB AT HINGE SIDE OF:
EXTERIOR DOORS @ 4.5" U.N.O.
INTERIOR DOORS @ 4.5" U.N.O.
 - PROVIDE MIN. 36"x36" LEVEL LANDINGS OUTSIDE AT ALL EXTERIOR DOORS PER CRC SECTION R311.3, WITH LANDINGS NOT MORE THAN 7.75" BELOW INSIDE FINISHED FLOORS AT INWARD SWINGING (OR SLIDING) DOORS AND 1.5" AT OUTWARD SWINGING PER CRC SECTION R311.3.1. ALL LANDINGS SHALL SLOPE 1/4"/FT AWAY FROM DOORS MIN. TYP. PROVIDE MIN. 12" CLASS 2 AGGREGATE BASEROCK UNDER SLABS AT ALL DOORWAY LANDINGS, TYP.
 - PROVIDE FIREBLOCKING IN CONCEALED SPACES PER CRC R302.11.

- KEYNOTES**
- REMOVE DESIGNATED DOORS, WINDOWS, FRAMES, AND ASSOCIATED HARDWARE
 - REMOVE DESIGNATED CABINETS, COUNTERTOPS, AND ASSOCIATED HARDWARE

FINISH SCHEDULE

| NAME | HEIGHT | FLOOR | BASE | WALLS | CEILING | COUNTERTOP | BACKSPLASH |
|---------|--------|-------|------|------------|---------|------------|------------|
| KITCHEN | 8'-1" | EP-1 | EP-1 | PT-1, WP-1 | PT-1 | CT-1 | CT-1 |

FINISH LEGEND

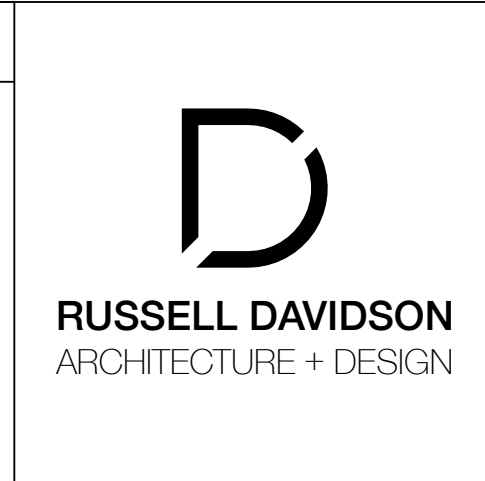
| | |
|---|--|
| WALL PANELLING | COUNTERTOP |
| WP-1 MANUFACTURER: MARLITE | CT-1 MANUFACTURER: TBD |
| STYLE: SYMMETRIX "SUBWAY SATIN" (S9916 G63R-LG) | MATERIAL: STAINLESS STEEL (TYPE 304) |
| COLOR: WHITE PANEL W/ BLACK REVEAL | FINISH: NO. 4 |
| FINISH: SATIN | THICKNESS: 16 GA. (MIN) |
| THICKNESS: 3/8" NOMINAL (VERIFY PER SYSTEM) | LOCATION: KITCHEN |
| SUBSTRATE: MOISTURE-RESISTANT GYPSUM BOARD OR CEMENT BOARD | EPOXY FLOORING |
| JOINTS: FACTORY REVEAL SYSTEM, SEALED, CLEANABLE | EP-1 MANUFACTURER: SHERWIN WILLIAMS, SIKAFLOOR OR STONHARD |
| TRIM: J-TRIM AT PERIMETERS; INSIDE AND OUTSIDE CORNER TRIM, TERMINATION TRIM AT ALL EXPOSED EDGES | COLOR: MANUFACTURER STANDARD (LIGHT GRAY, UON) |
| INSTALLATION: ADHESIVE + MECHANICAL FASTENERS PER MANUFACTURER | THICKNESS: 3/16" TO 1/4" |
| SEALANT: FDA/USDA COMPLIANT SILICONE AT ALL PERIMETERS, PENETRATIONS, AND TERMINATIONS | FINISH: SLIP-RESISTANT, BROADCAST AGGREGATE |
| LOCATION: KITCHEN WALLS | BASE: STAINLESS STEEL WALL BASE PROFILE, SCHLUTER DESIGNBASE-SL 110EB, 4-3/8" HEIGHT; WITH SEALING LIP |
| PAINT | TOPCOAT: CHEMICAL-RESISTANT URETHANE |
| PT-1 MANUFACTURER: PPG PAINTS | LOCATION: KITCHEN |
| COLOR: DELICATE WHITE | |
| NUMBER: PPG1001-1 | |
| FINISH: SEMI-GLOSS (TYP.) | |
| SYSTEM: LOW-VOC, SCRUBBABLE, MILDEW-RESISTANT | |
| SUBSTRATE: ACRYLIC LATEX GYPSUM BOARD, PREP AND PRIME PER MANUFACTURER SPECS | |
| LOCATION: KITCHEN WALLS | |

DOOR SCHEDULE

| # | ROOM NAME | TYPE | W | H | MFG | FRAME | | LEAF | |
|----|-----------|------|-------|-------|----------------------|----------|---------|--------------|---------|
| | | | | | | MATERIAL | FINISH | MATERIAL | FINISH |
| 01 | ASSEMBLY | B | 3'-0" | 6'-8" | MASONITE OR EQ. | WOOD | PAINTED | SCWD | HPDL |
| 02 | KITCHEN | A | 8'-2" | 4'-0" | CORNELL ESC10 OR EQ. | STEEL | FACTORY | ALUM. GRILLE | FACTORY |

EQUIPMENT SCHEDULE

| # | EQUIPMENT | MFR / MODEL | ANSI | PLUMBING | | | | NOTES |
|-----|----------------------------------|--|------|----------|----|-----|-------|--|
| | | | | HW | CW | DIR | INDIR | |
| E01 | 3 COMPARTMENT SINK | EXISTING | X | X | X | | X | |
| E02 | DISHWASHER | BLAKESLEE UC-18-1 - HIGH TEMP UNDERCOUNTER DISHWASHER | X | X | X | | X | OFCI |
| E03 | HAND SINK | EXISTING | X | X | X | X | | |
| E04 | STAINLESS STL WORK TABLE W/ SINK | REGENCY 60S1162018GR | X | X | X | X | | |
| E05 | MOP SINK | REGENCY - S.S. MOP SINK CABINET W/ FAUCET | X | X | X | | X | |
| E06 | GAS RANGE | GARLAND SUNFIRE X60-6R24RR - 60" GAS RANGE W/ 24" GRIDDLE & TWO OVENS | X | | | | | GAS CONNECTION REQ'D, OFCI |
| E07 | HOLDING / PROOFING CABINET | AVANTCO HPI-1836DC - INSULATED HEATED HOLDING / PROOFING CABINET | X | | | | | OFCI |
| E08 | REFRIGERATOR | TRUE T-49-HC - 54" REACH-IN REFRIGERATOR | X | | | | | ELECTRICAL CONNECTION REQ'D, OFCI |
| E09 | MICROWAVE | AMANA RCS10TS - COMMERCIAL MICROWAVE | X | | | | | ELECTRICAL CONNECTION REQ'D, OFCI |
| E10 | WORKSTATION - LOWER ENCLOSED | REGENCY C-3072B-316 - 30"x72" S.S. ENCLOSED BASE TABLE | X | | | | | OFCI |
| E11 | WORKSTATION - UPPER ENCLOSED | REGENCY 600WCH1572 - 72" S.S. WALL CABINET W/ HINGED DOORS | X | | | | | OFCI |
| E12 | HOOD | EXISTING | | | | | | (E) ANSUL SYSTEM TO REMAIN |
| E13 | WORKSTATION - LOWER ENCLOSED | STAINLESS SUPPLY 1100 SERIES, 30"x13"x48" W/ SIDE PANELS AND ADJUSTABLE FEET | X | | | | | RELOCATE HANDLES TO TOP OF DOORS, OFCI |



NEVADA CITY VETS HALL KITCHEN RENOVATION
 415 N. PINE ST.
 NEVADA CITY, CA 95959
 APN: 005-096-001

| ID | NAME | DATE |
|-------------|------|------------|
| SUBMITTED: | | 06/01/2026 |
| SCALE: | | AS NOTED |
| DRAWN BY: | RPD | |
| CHECKED BY: | RPD | |
| JOB: | | 2026.03 |

FLOOR PLAN

A1.0

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PLUMBING GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS AMENDED AND ADOPTED BY THE AUTHORITY(IES) HAVING JURISDICTION: 2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), 2025 CALIFORNIA BUILDING CODE (CBC), 2025 CALIFORNIA FIRE CODE (FC), 2025 CALIFORNIA MECHANICAL CODE (CMC), 2025 CALIFORNIA PLUMBING CODE (CPC), 2025 CALIFORNIA ELECTRICAL CODE (CEC), 2025 CALIFORNIA ENERGY CODE (CEC), 2025 CALIFORNIA GREEN BUILDING CODE (CGC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND ANY OTHER LOCAL CODES, ORDINANCES, REGULATIONS, OR AUTHORITIES HAVING JURISDICTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. THESE CODES SHALL DETERMINE MINIMUM REQUIREMENTS FOR MATERIALS, METHODS, AND LABOR PRACTICES NOT OTHERWISE DEFINED IN THESE SPECIFICATIONS.
- CONTRACTOR TO EXAMINE THE PROPOSED WORK SITE AND BECOME FAMILIAR WITH ALL JOB CONDITIONS AFFECTING THE WORK SHOWN. CONTRACTOR(S) SHALL FIELD-VERIFY SITE CONDITIONS INCLUDING LOCATIONS AND SIZES OF EXISTING PIPING, VALVES, CLEANOUTS, WASTE MAINS, GAS METERS, ETC., AND BIOS SHALL BE BASED ON ACTUAL FIELD CONDITIONS. NO ADDITIONAL ALLOWANCE WILL BE GRANTED DUE TO LACK OF KNOWLEDGE OF SITE CONDITIONS. ACCEPT SOLE AND COMPLETE RESPONSIBILITY FOR CONDITIONS OF THE JOBSITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK.
- DRAWINGS INDICATE DIAGRAMMATICALLY THE ARRANGEMENT OF PRINCIPAL APPARATUS, PIPING, DUCTWORK, AND OTHER MATERIAL. FOLLOW DRAWING AS CLOSELY AS POSSIBLE IN ORDER TO ACHIEVE A NEAT INSTALLATION WHILE STILL WORKING AROUND ANY OBSTRUCTIONS. INSPECT SITE CONDITIONS AFFECTING THE WORK AND PROVIDE FITTINGS AND ACCESSORIES AS REQUIRED TO MEET CONDITIONS WHETHER SHOWN OR NOT.
- IT IS NOT THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL INCIDENTALS REQUIRED TO PROVIDE COMPLETE AND FULLY-OPERATIONAL SYSTEMS. THE CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC., REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSIDERED AS A NECESSARY PART OF THE INSTALLATION SHALL BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED OR NOT. ENGINEER WILL PROVIDE INTERPRETATIONS UPON REQUEST.
- DEFINITIONS:
 - WORK: LABOR AND MATERIALS OF THE CONTRACTOR AND/OR SUBCONTRACTOR.
 - FURNISH: OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, DELIVER TO THE JOBSITE IN NEW CONDITION AND GUARANTEE.
 - PROVIDE: FURNISH AND INSTALL.
 - CONNECT-BRING SERVICE TO THE EQUIPMENT AND MAKE FINAL ATTACHMENTS INCLUDING NECESSARY PIPE FITTINGS, DUCTWORK, TRANSITIONS, ETC.
 - CONCEALED: HIDDEN FROM SIGHT IN CHASES, FURRED SPACES, SHAFTS, ABOVE CEILING, EMBEDDED IN CONSTRUCTION, IN CRAWL SPACES, OR BURIED.
 - EXPOSED: NOT INSTALLED UNDERGROUND OR CONCEALED AS DEFINED ABOVE.
 - PERFORMANCE: CONTRACTOR SHALL PERFORM ALL WORK SPECIFIED, INDICATED, AND REQUIRED UNLESS OTHERWISE NOTED, INCLUDING FINAL CONNECTIONS, IN A WORKMANLIKE MANNER USING WORKERS SKILLED AND EXPERIENCED IN THE TRADE. PIPES, FITTINGS, EQUIPMENT, GRILLES, REGISTERS, ETC. TO BE INSTALLED LEVEL, SQUARE, OR CENTERED, ETC. TO GIVE A NEAT APPEARANCE.
 - FULL FUNCTION: PROVIDE ALL MINOR ITEMS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.
- CONTRACTOR SHALL CONFIRM ALL SITE VOLTAGES BEFORE BIDDING AND ORDERING EQUIPMENT. REIMBURSE ELECTRICAL CONTRACTOR, AT NO CHARGE TO CLIENT, FOR ELECTRICAL CONTRACTOR'S COST INCURRED DUE TO SUBSTITUTION OF MECHANICAL EQUIPMENT HAVING ELECTRICAL REQUIREMENTS DIFFERING FROM SITE CONDITIONS.
- CONTRACTOR SHALL PROVIDE THE OWNER WITH COPIES OF OPERATION, MAINTENANCE, AND PREVENTATIVE MAINTENANCE MANUALS FOR EACH MODEL AND TYPE OF PLUMBING AND MECHANICAL EQUIPMENT.
- CONTRACTOR SHALL PROVIDE EVIDENCE OF LICENSING, BONDING, AND INSURANCE, AND PROVIDE OTHER NECESSARY ADMINISTRATIVE FUNCTIONS FOR CONTRACTOR'S WORK.
- CONTRACTOR SHALL PROCURE AND PAY FOR ALL REQUIRED PERMITS AND SERVICE CHARGES.
- COORDINATION: CONFORM TO GENERAL CONSTRUCTION CONTRACT DOCUMENTS EXCEPT AS MODIFIED HEREIN. REFER ALSO TO STRUCTURAL AND ELECTRICAL CONTRACT DOCUMENTS. COORDINATE ALL WORK WITH OTHER TRADES.
- CUTTING AND PATCHING: CUT AND PATCH AS REQUIRED. CUT OR WELD STRUCTURAL MEMBERS ONLY WITH APPROVAL OF A STRUCTURAL ENGINEER. PATCHING SUBJECT TO ACCEPTANCE BY OWNER.
- SAW CUT TRENCHES IN SLAB SHALL BE FULLY RESTORED AND REINFORCED TO PREVENT SAGGING. ROUGHEN SAW CUT EDGES PRIOR TO RE-POURING CONCRETE.
- COORDINATE ALL WORK WITH OTHER TRADES TO PROVIDE A COMPLETE INSTALLATION. CONNECT ALL EQUIPMENT FURNISHED BY OTHERS AS REQUIRED. INSTALL ALL WORK TO CLEAR ARCHITECTURAL AND STRUCTURAL MEMBERS. INSTALL ALL ABOVE GRADE (OVERHEAD) PIPING AS HIGH AS PRACTICAL.
- RESTORE ALL DAMAGE RESULTING FROM YOUR WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK. ADJUST, CLEAN, REPAIR, OR REPLACE PRODUCTS, WHICH HAVE BEEN DAMAGED.
- GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR MINIMUM FROM DATE OF FILING NOTICE OF COMPLETION.
- PROVIDE FLASHING AND COUNTER FLASHING FOR ALL WALL AND ROOF PENETRATIONS.
- ADJUSTMENTS: MAKE MINOR ADJUSTMENTS TO WORK WHERE REQUESTED BY OWNER, WHEN SUCH ADJUSTMENTS ARE NECESSARY TO PROPER OPERATION AND WITHIN THE INTENT OF THE CONTRACT.
- MATERIALS AND EQUIPMENT: PROVIDE NEW, UL-LISTED, COMMERCIAL-GRADE MATERIALS, DEVICES, EQUIPMENT, AND FIXTURES SUITABLE FOR THE ENVIRONMENT WHERE INSTALLED. REUSE EXISTING ONLY WHEN COMPLIANT WITH THE CONTRACT DOCUMENTS, IN GOOD CONDITION, AND APPROVED BY THE ENGINEER.
- INSTALLATION: INSTALL ALL MATERIALS, EQUIPMENT, AND SYSTEMS IN FULL ACCORD WITH MANUFACTURER'S INSTRUCTIONS.
- LAYOUT: INSTALL ALL PIPING AND DUCTWORK TO PRESENT A NEAT AND ORDERLY APPEARANCE. RUN ALL LINES PARALLEL WITH BUILDING CONSTRUCTION AS MUCH AS POSSIBLE. MAINTAIN HEADROOM, EQUIPMENT CLEARANCE, AND GRADIENT WHERE REQUIRED. ALLOW FOR EXPANSION & CONTRACTION.
- ACCESS DOORS: PROVIDE ACCESS DOORS OR PANELS FOR ALL VALVES, CLEANOUTS, DAMPERS, CONTROLS, DEVICES, AND OTHER ITEMS REQUIRING INSPECTION OR MAINTENANCE.
- START-UP: THOROUGHLY TEST AND DEMONSTRATE PROPER OPERATION OF ALL SYSTEMS AND EQUIPMENT MODIFIED, FURNISHED OR INSTALLED UNDER THIS CONTRACT.
- WARRANTY: ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL, AND WORKMANSHIP DEFECTS FOR A MINIMUM OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE PREMISES CAUSED BY LEAKS AND/OR BREAKS IN PIPES AND FIXTURES INSTALLED UNDER THIS CONTRACT, AS WELL AS ANY DAMAGE FROM LEAKS VIA ROOF PENETRATIONS MADE AND SEALED UNDER CONTRACTOR'S SCOPE.
- PATCHING & PAINTING: RESTORE ANY DAMAGE RESULTING FROM THE WORK AND LEAVE PREMISES CLEAN. ADJUST, CLEAN, REPAIR, AND/OR REPLACE ANY ITEMS DAMAGED BY THE WORK. RESTORE WALL AND ROOF PENETRATIONS TO MATCH SURROUNDING WALL OR ROOF, RESPECTIVELY.

PLUMBING CALGREEN NOTES

- 5.303.3.1 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 U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.
- 5.303.3.2 THE EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH. ALL OTHER URINALS SHALL NOT EXCEED 0.5 GALLONS PER FLUSH.
- 5.303.3.3 SINGLE 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 U.S. EPA WATERSENSE SPECIFICATION FOR SHOWERHEADS. 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, OR THE SHOWER SHALL BE DESIGNED TO ALLOW ONLY ONE SHOWER OUTLET TO BE IN OPERATION AT A TIME.
- 5.303.3.4 NON-RESIDENTIAL LAVATORY FAUCETS SHALL HAVE A MAX FLOW RATE OF NOT MORE THAN 0.5 GPM AT 60 PSI. KITCHEN FAUCETS AND WASH FOUNTAINS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 1.8 GPM AT 60 PSI. KITCHEN FAUCETS MAY TEMPORARILY INCREASE THE FLOW ABOVE THE MAXIMUM RATE, BUT NOT TO EXCEED 2.2 GALLONS PER MINUTES AT 60 PSI, AND MUST DEFAULT TO A MAXIMUM FLOW RATE OF 1.8 GALLONS PER MINUTES AT 60 PSI. METERING FAUCETS SHALL NOT DELIVER MORE THAN 0.20 GALLONS PER CYCLE.
- 5.303.5 FOR THOSE OCCUPANCIES WITHIN THE AUTHORITY OF THE CALIFORNIA BUILDING STANDARDS COMMISSION AS SPECIFIED IN SECTION 103, THE PROVISIONS OF SECTION 5.303.3 AND 5.303.4 SHALL APPLY TO NEW FIXTURES IN ADDITIONS OR AREAS OF ALTERATIONS TO THE BUILDING.
- 5.303.6 PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN CPC TABLE 1701.1 AND CALGREEN CHAPTER 6
- 5.410.4.5 PROVIDE THE BUILDING OWNER WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTEES/WARRANTIES FOR EACH SYSTEM PRIOR TO FINAL INSPECTION.

PLUMBING FIXTURE SCHEDULE

| TAG | FIXTURE | TYPE | MOUNTING | MANU. | MODEL NO. | WATER SUPPLY | | | DRAIN | | PIPE SIZES | | | | REMARKS |
|-------|---------------------------|--------------------|---------------|---------------------------------------|---------------------------------------|--------------|-----------|-------------|----------|--------|------------|--------|------|------|--|
| | | | | | | MANU. | MODEL NO. | MAX GPM/GPF | TYPE | SIZE | WASTE | VENT | CW | HW | |
| CO-1 | CLEANOUT | WALL | - | ZURN | Z1446 | - | - | - | - | - | SEE PLAN | - | - | - | |
| CO-2 | CLEANOUT | FLOOR | - | ZURN | Z1400 | - | - | - | - | - | SEE PLAN | - | - | - | |
| DW-1 | DISHWASHER | COMMERCIAL | UNDER COUNTER | BLAKESLEE | UC-18-1 | - | - | - | INDIRECT | 1-1/2" | - | - | - | 3/4" | SHALL COMPLY WITH UL 749 |
| ET-1 | EXPANSION TANK | - | - | AMTROL | EX-30 | - | - | - | - | - | - | - | 1/2" | - | 4.4 GALLON CAPACITY |
| FD-1 | FLOOR DRAIN | - | FLOOR | ZURN | Z415B | - | - | - | P-TRAP | 2" | 2" | 1-1/2" | - | - | TRAP PRIMER CONNECTION (WHERE REQUIRED) AND NO-HUB OUTLET CONNECTION |
| FS-1 | FLOOR SINK | - | FLOOR | ZURN | Z1900 | - | - | - | P-TRAP | 2" | 2" | 1-1/2" | - | - | ACID RESISTANT COATED INTERIOR, ALUMINUM DOME BOTTOM STRAINER |
| MS-1 | MOP SINK | - | FLOOR | REGENCY | 60SMC255DK | WATERLOO | 750FW10G | 2.0 | P-TRAP | 3" | 2" | 1-1/2" | 1/2" | 1/2" | FAUCET WITH ATMOSPHERIC VACUUM BREAKER |
| SK-1 | PREP-SINK | SINGLE COMPARTMENT | FLOOR | COORDINATE MODEL SELECTION WITH OWNER | COORDINATE MODEL SELECTION WITH OWNER | 1.8 | INDIRECT | 1-1/2" | - | - | 1/2" | 1/2" | - | - | |
| TMV-1 | THERMOSTATIC MIXING VALVE | - | - | WATTS | LFMV-M1 | - | - | - | - | - | - | 1/2" | 1/2" | - | ASSE STANDARD 1017, 1069, AND 1070 LISTED, 0.5-12 GPM FLOW RATING |
| TP-1 | TRAP PRIMER | - | - | PRECISION | P2-500 | - | - | - | - | - | - | - | - | - | INSTALL IN ACCESSIBLE AREA AND IN ACCORDANCE WITH MANUFACTURER/LOCAL CODES |

NOTES: COORDINATE ALL TRIM AND ACCESSORY OPTIONS WITH OWNER
EQUIVALENT FIXTURES ACCEPTABLE CONTINGENT ON OWNER APPROVAL

WATER HEATER SCHEDULE

| TAG | MANU. | MODEL NO. | LOCATION | SERVES | GALLONS CAPACITY | | | UEF (TE) | FUEL SOURCE | INPUT MBH (KW) | RECOVERY GPH (GPM) | ELECTRICAL | | WEIGHT LBS | MAX T-STAT SETPOINT | REMARKS |
|------|-------|-----------|----------|---------|------------------|-------|----------|----------|---------------------|----------------|--------------------|------------|------|------------|---------------------|--|
| | | | | | NOMINAL | RATED | 1ST HOUR | | | | | V-ø-Hz | AMPS | | | |
| WH-1 | RHEEM | ELD30-TB | JANITOR | KITCHEN | 30 | 27 | 88 | 0.92 | ELECTRIC RESISTANCE | (12.0) | 61 @80°F RISE | 240-1-60 | 50.0 | 350 | 140°F | REPLACE (E) WATER HEATER SERVING THE KITCHEN |

HYDROMECHANICAL GREASE INTERCEPTOR SCHEDULE

| SYMBOL | MANU. | MODEL | FLOW RATE CAPACITY (GPM) | GREASE CAPACITY (LBS) | ORIFICE SIZE | REMARKS |
|--------|-------|-----------|--------------------------|-----------------------|--------------|---|
| GI-1 | ZURN | GT2700-50 | 50 | 100 | 4" | INSTALL FLOW CONTROL IN ACCESSIBLE LOCATION |

WATER AND SEWER SERVICE CALCULATION

| FIXTURE TYPE | NO. | SEWER | | COLD WATER | | HOT WATER | | TOTAL WATER |
|---------------------|-----|-------|-------------|------------|------------|-----------|------------|-------------|
| | | FU | TOTAL | FU | TOTAL | FU | TOTAL | FU |
| PREP SINK | 1 | 2 | 2 | 2 | 2 | 1.5 | 1.5 | 2 |
| DISHWASHER | 1 | 2 | 2 | 0 | 0 | 1.5 | 1.5 | 1.5 |
| FLOOR DRAIN | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| FLOOR SINK | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| MOP OR SERVICE SINK | 1 | 3 | 3 | 3 | 3 | 2.25 | 2.25 | 3 |
| EXISTING DEMAND | 1 | 5 | 5 | 3.5 | 3.5 | 2.625 | 2.625 | 3.5 |
| TOTAL FU | | | 17.0 | | 8.5 | | 7.9 | 10.0 |

| | | | |
|--|-------|--------------|---|
| EQUIVALENT COLD WATER FLOW RATE (GPM): | 8 | | |
| PRESSURE AVAILABLE AT POINT OF CONNECTION (PSI): | 25 | | |
| MINIMUM REQUIRED FIXTURE PRESSURE (PSI): | 8 | | |
| ELEVATION LOSS (PSI): | 1.3 | # OF FLOORS: | 1 |
| EQUIVALENT PIPE LENGTH FROM POINT OF CONNECTION TO MOST REMOTE FIXTURE (FT): | 45 | | |
| FRICTION LOSS PRESSURE AVAILABLE (PSI): | 14.50 | | |
| MAXIMUM ALLOWABLE FRICTION LOSS (PSI/100 FT): | 25.78 | | |
| MINIMUM REQUIRED 'WATER' PIPE SIZE (INCHES): | 0.75 | | |
| MINIMUM REQUIRED 'SEWER' PIPE SIZE (INCHES): | 3 | | |

| SIZE: TYPE L COPPER | | CW MAX FLOW | | CW FIXTURE UNIT | | HW MAX FLOW | | HW FIXTURE UNIT |
|---------------------------|-------------------|-------------|-----|-----------------|------|-------------|----|-----------------|
| NOMINAL DIAMETER (INCHES) | INTERNAL DIAMETER | GPM | FPS | FLUSH TANK | GPM | FPS | | |
| 0.5 | 0.545 | 5.6 | 7.7 | 7 | 3.6 | 5.0 | 4 | |
| 0.75 | 0.785 | 12.1 | 8.0 | 16 | 7.5 | 5.0 | 10 | |
| 1 | 1.025 | 20.6 | 8.0 | 32 | 12.9 | 5.0 | 18 | |

(CALCULATIONS PER CPC APPENDIX A)

PLUMBING SHEET INDEX

- P0 PLUMBING SCHEDULES, CALCULATIONS, & GEN. NOTES
- P1 PLUMBING PLAN - WATER & GAS
- P2 PLUMBING PLAN - SEWER & VENT
- P3 PLUMBING DETAILS
- P4 PLUMBING ENERGY COMPLIANCE

PLUMBING SCOPE OF WORK

- INSTALLATION OF ALL COLD AND HOT WATER PIPING AND FITTINGS FOR NEW FIXTURES
- INSTALLATION OF ALL SEWER AND VENT PIPING AND FITTINGS FOR NEW FIXTURES
- INSTALLATION OF ALL GAS PIPING AND FITTINGS FOR NEW GAS RANGE
- INSTALLATION OF NEW GREASE INTERCEPTOR AND ALL ASSOCIATED PIPING AND FITTINGS

PIPE MATERIAL SCHEDULE

| APPLICATION | LOCATION | SIZE | MATERIAL | JOINING METHOD |
|--|-------------|------|--|----------------------|
| SANITARY WASTE/VENT | BELOW GRADE | ALL | SCHEDULE 40 ABS | SOLVENT |
| | ABOVE GRADE | ALL | SCHEDULE 40 ABS | SOLVENT |
| T&P RELIEF | ALL | ALL | COPPER (TYPE M) | 95/5 SOLDER |
| GAS | BELOW GRADE | ALL | POLYETHYLENE (ASTM D2513) | COMPRESSION FITTINGS |
| | ABOVE GRADE | ALL | SCHEDULE 40 BLACK STEEL (ASTM A53) | THREADED |
| DOMESTIC WATER IN OR WITHIN 5' OF BUILDING | BELOW GRADE | ALL | COPPER (TYPE K) W/CORROSION-RESISTANT TAPE | LEAD FREE BRAZED |
| | ABOVE GRADE | ALL | COPPER (TYPE L OR K) | 95/5 SOLDER |

NOTES: ALL PIPING MATERIAL AND JOINING METHODS CONTINGENT ON AUTHORITY HAVING JURISDICTION APPROVAL
ALL BLACK STEEL PIPING EXPOSED TO MOISTURE SHALL BE PROTECTED BY RUST-PREVENTATIVE PAINT
ALL ABS AND PVC PIPING EXPOSED TO SUNLIGHT SHALL BE PROTECTED BY WATER-BASED LATEX PAINT

PIPE INSULATION SCHEDULE

| TYPE | DIAMETER SIZE (INCHES) | FLUID TEMP RANGE (°F) | INSULATION CONDUCTIVITY (BTU-INCH/HRY-°F-FT) | INSULATION THICKNESS (INCHES) |
|--------------------|------------------------|-----------------------|--|-------------------------------|
| DOMESTIC HOT WATER | <1 | 105-140 | 0.22-0.28 | 1 |
| DOMESTIC HOT WATER | 1 OR LARGER | 105-140 | 0.22-0.28 | 1-1/2 |

GREASE INTERCEPTOR SIZING CHART

| FIXTURE TYPE | LOAD (GALLONS PER FIXTURE) | QUANTITY | FLOW (GPM) 2-MINUTE DRAINAGE PERIOD |
|---|----------------------------|----------|-------------------------------------|
| FLOOR DRAIN | 2.0 | 1 | 1.0 |
| PREP SINK | 17.66 | 1 | 8.8 |
| MOP SINK | 12.47 | 1 | 6.2 |
| 3-COMPARTMENT SINK | 37.87 | 1 | 18.9 |
| DISHWASHER | 14.8 | 1 | 7.4 |
| TOTAL GPM = | | | 42.4 |
| | | | < |
| MINIMUM SIZE REQUIRED FOR HYDROMECHANICAL GREASE INTERCEPTOR PER CPC TABLE 1014.2.1 = 50.0 GPM RATED CAPACITY | | | |

GAS SERVICE CALCULATION

| APPLIANCE TYPE | NO. | INPUT PER | | | INPUT TOTAL | | | PIPE SIZING | |
|---|-----|-----------|--------|-----|-------------|-----|-------|---|--------------------|
| | | BTU | BTU | CFH | BTU | BTU | CFH | NOMINAL DIAMETER (INCHES) | MAX CAPACITY (CFH) |
| (RE) GAS RANGE | 1 | 279000 | 279000 | 279 | | | 1/2 | 72 | |
| (E) LOAD | 1 | 110000 | 110000 | 110 | | | 3/4 | 151 | |
| | | | 0 | 0 | | | 1 | 284 | |
| | | | 0 | 0 | | | 1-1/4 | 583 | |
| TOTAL | | | | | | | | | 389.0 |
| GAS SERVICE TYPE: NATURAL GAS | | | | | | | | CALCULATIONS PER CPC TABLE 1215.2(1) | |
| PRESSURE AVAILABLE AT METER: < 2 PSI | | | | | | | | RUNOUTS TO APPLIANCES LESS THAN 3FT TO BE THE SAME SIZE AS APPLIANCE CONNECTION. S.O.V. AHEAD OF UNION, WITHIN 3FT OF EACH APPLIANCE, S.O.V. AND UNION SHALL BE AGA APPROVED. | |
| EQUIVALENT PIPE LENGTH FROM METER TO MOST REMOTE APPLIANCE (FT): 50 | | | | | | | | | |
| MINIMUM REQUIRED 'GAS MAIN' PIPE SIZE (INCHES): | | | | | | | | 1-1/4 | |

PLUMBING LEGEND

- POC -- POINT OF CONNECTION
- GAS POC
- ELECTRICAL POC
- COLD WATER POC
- CONDENSATE OR DRAIN POC
- FLOOR SINK WITH TRAP POC
- CLEANOUT
- FLOOR DRAIN
- FLOOR SINK
- TRAP PRIMER
- WATER HAMMER ARRESTOR
- HOSE BIBB
- BACKFLOW PREVENTER
- SHUT-OFF VALVE
- INSTA-HOT WATER HEATER
- PUMP
- CW -- COLD WATER
- HW -- HOT WATER
- HW-R -- HOT WATER RETURN
- NG -- NATURAL GAS
- SS -- SANITARY SEWER
- SSV -- SANITARY SEWER VENT
- ø -- DIAMETER
- AFF -- ABOVE FINISHED FLOOR
- BF -- BELOW FLOOR
- BHP -- BRAKE HORSEPOWER
- DFU -- DRAINAGE FIXTURE UNIT
- FA, TB -- FROM ABOVE, TO BELOW
- FB, TA -- FROM BELOW, TO ABOVE
- FU -- FIXTURE UNIT
- FW -- FILTERED WATER
- GA -- GAUGE
- GPM -- GALLONS PER MINUTE
- GW -- GREASE WASTE
- HP -- HORSEPOWER
- MAX/MIN -- MAXIMUM / MINIMUM
- NTS -- NOT TO SCALE
- SOV -- SHUT-OFF VALVE
- TDL -- TOTAL DEVELOPED LENGTH
- TMV -- THERMOSTATIC MIXING VALVE
- TP -- TYPICAL
- YTR -- VENT TO ROOF
- UON -- UNLESS OTHERWISE NOTED
- WH -- WATER HEATER

VETERANS MEMORIAL BUILDING

415 N PINE ST.
NEVADA CITY CA 95959

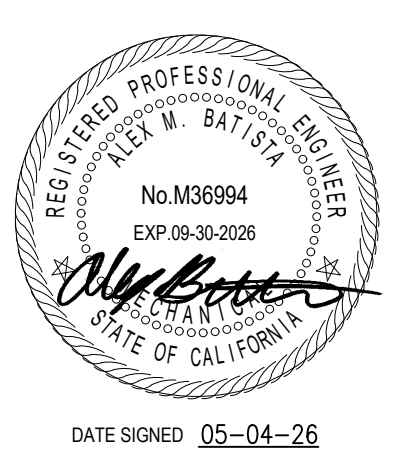
ISSUED FOR: PERMIT
DATE: 05-04-26

PROJECT NUMBER: 26038

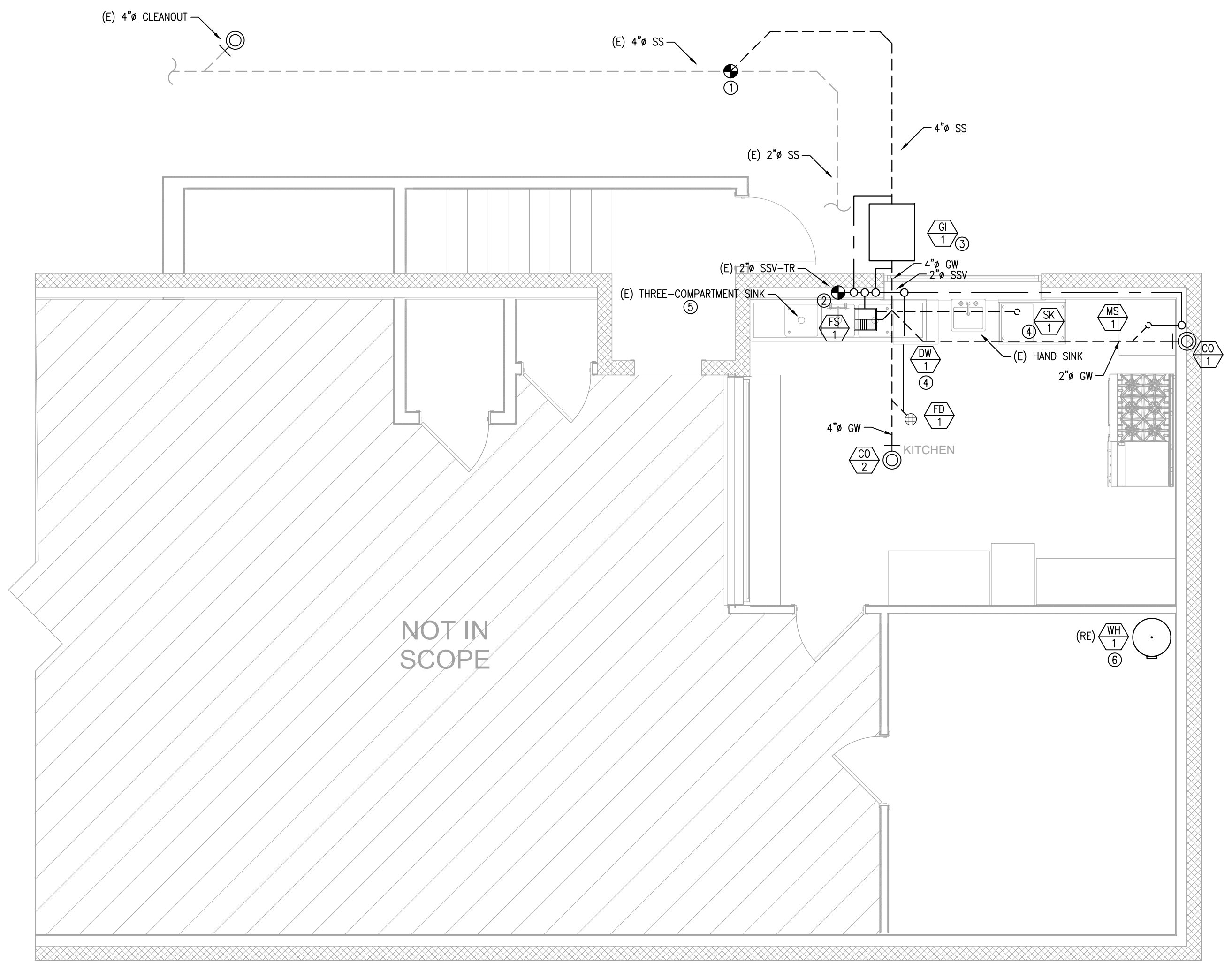
SHEET TITLE: PLUMBING SCHEDULES, CALCULATIONS, & GEN. NOTES

SHEET NO.

P0



- SHEET NOTES:**
- (E) EXISTING
(N) NEW
(R) RELOCATED
(RE) REPLACED
(D) DEMO
 - ALL APPLIANCES AND FIXTURES/PIPING SHOWN ARE (N) U.O.N.
 - ENSURE CLEANOUT TO GRADE EXISTS
 - ENSURE 1/4" PER FOOT SLOPE FOR SANITARY SEWER PIPING
 - FLOORS SHALL BE SLOPED TO FLOOR DRAINS PER CPC 418.5
 - FLOOR SINKS SHALL BE INSTALLED WITH AN APPROVED STRAINER OR GRATE THAT IS REMOVABLE AND ACCESSIBLE PER CPC 421.2



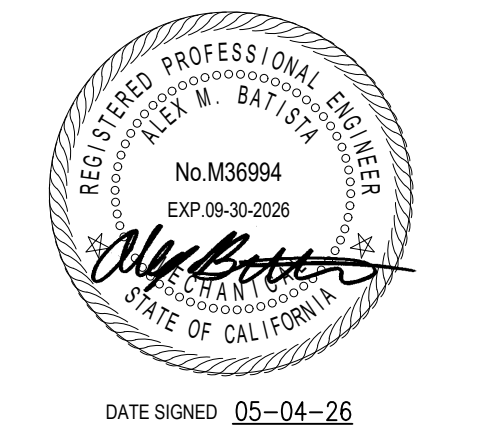
NOT IN SCOPE

- KEY NOTES:**
- CONNECT TO EXISTING SANITARY SEWER. FIELD VERIFY EXACT LOCATION, DEPTH, SIZE, AND FLOW DIRECTION PRIOR TO THE START OF WORK. VERIFY WASTE PIPING IS ACTIVE PRIOR TO CONNECTING
 - CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF POC
 - HYDROMECHANICAL GREASE INTERCEPTOR SHALL BE PROVIDED WITH AN APPROVED VENTED FLOW CONTROL DEVICE PER CPC 1014.2
 - INDIRECT DRAIN TO FLOOR SINK
 - SINK SHALL BE INDIRECTLY DRAINED TO FLOOR SINK PER CA HEALTH CODE STANDARDS
 - CONNECT RELIEF VALVE TO (E) PIPING TO APPROVED LOCATION

A PLUMBING PLAN - SEWER & VENT
SCALE: 1/4"=1'-0"



OPTIMIZED ENERGY
& FACILITIES CONSULTING, INC.
5734 LoneTree Boulevard, Rocklin, CA 95765
Office: (916) 626-5518 www.oefinc.com

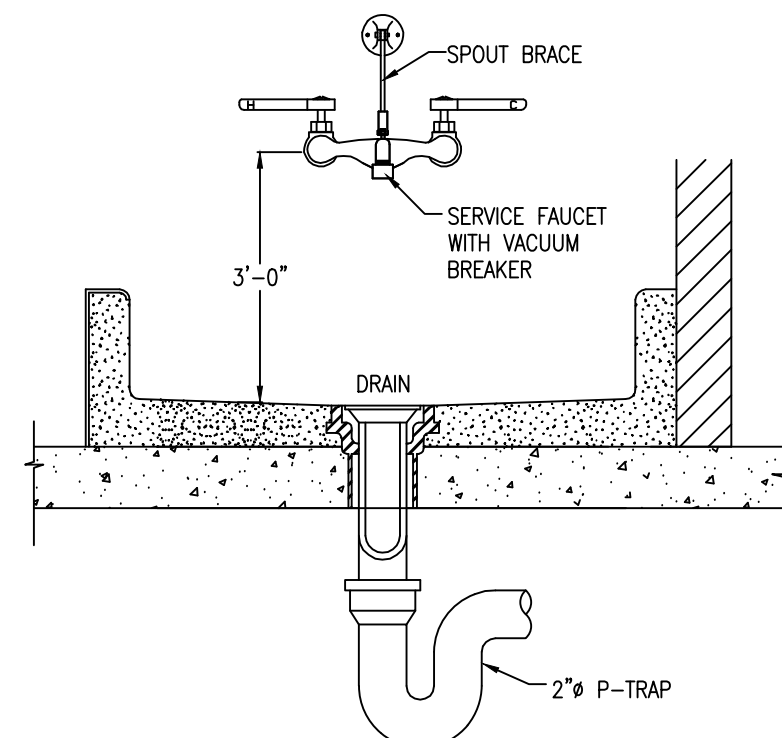


VETERANS MEMORIAL BUILDING
415 N PINE ST.
NEVADA CITY CA 95959

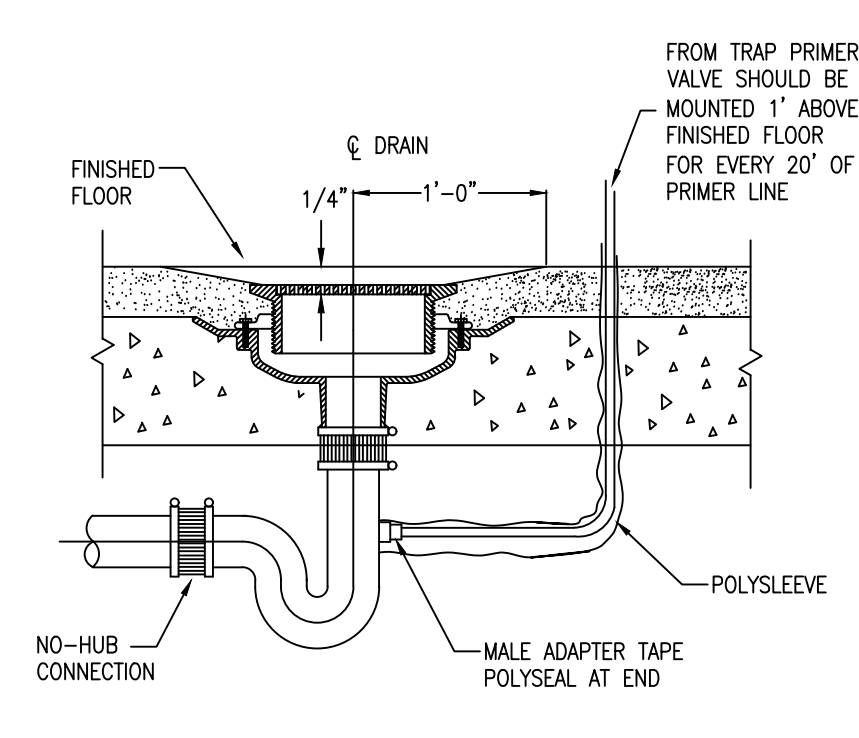
| ISSUED FOR | DATE |
|------------|----------|
| PERMIT | 05-04-26 |
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PROJECT NUMBER 26038
SHEET TITLE
**PLUMBING PLAN
SEWER & VENT**

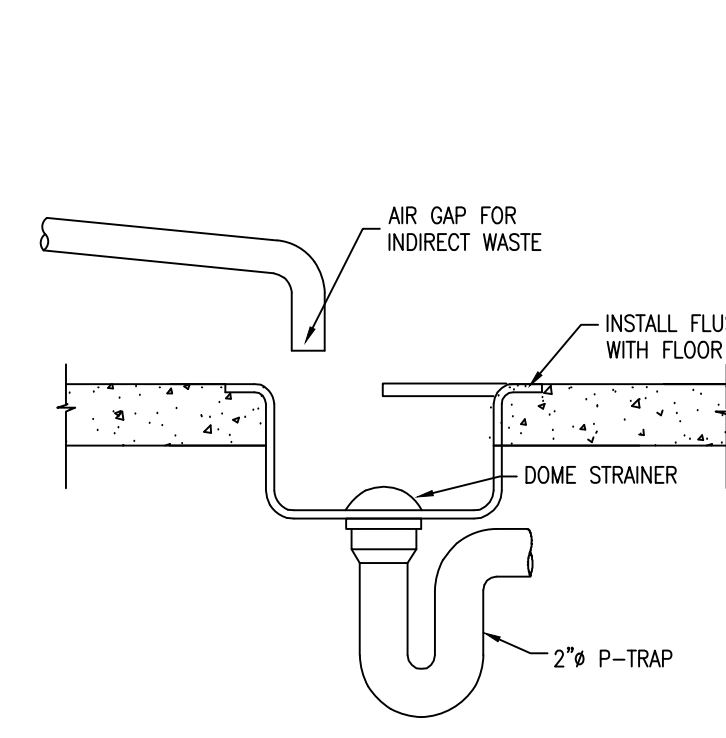
SHEET NO.
P2



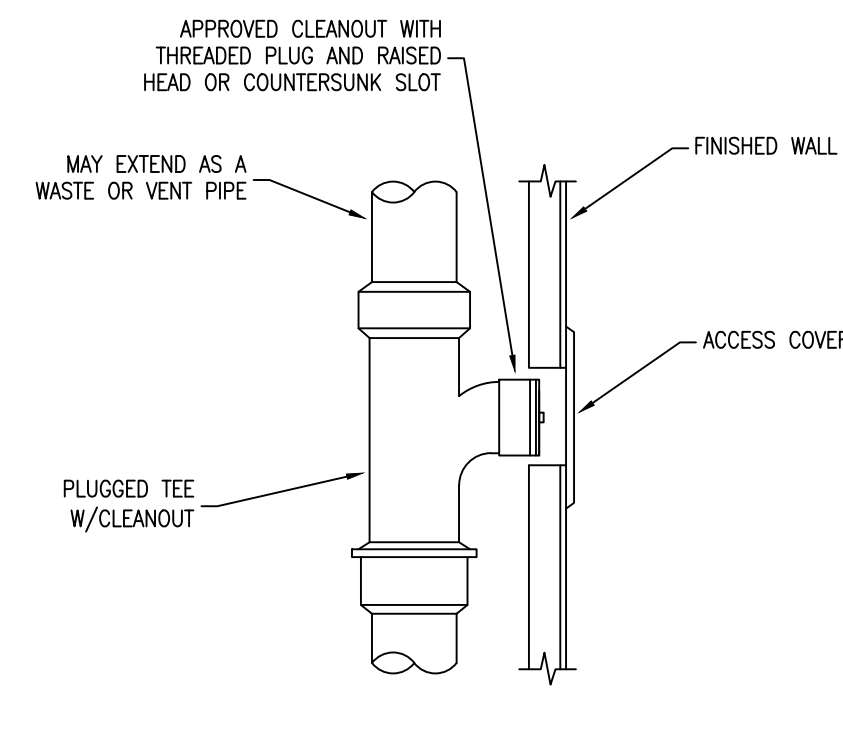
MOP SINK 1



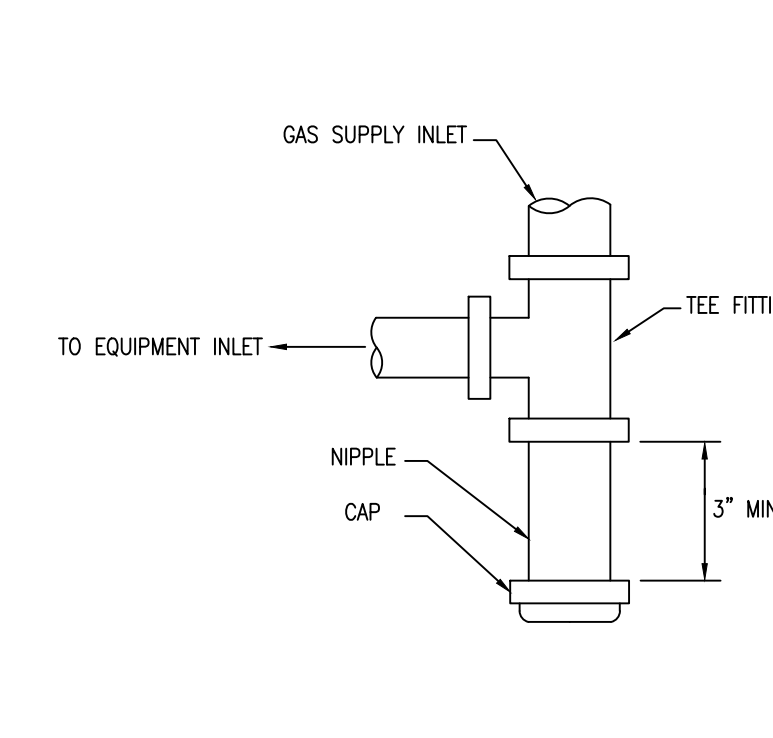
FLOOR DRAIN 2



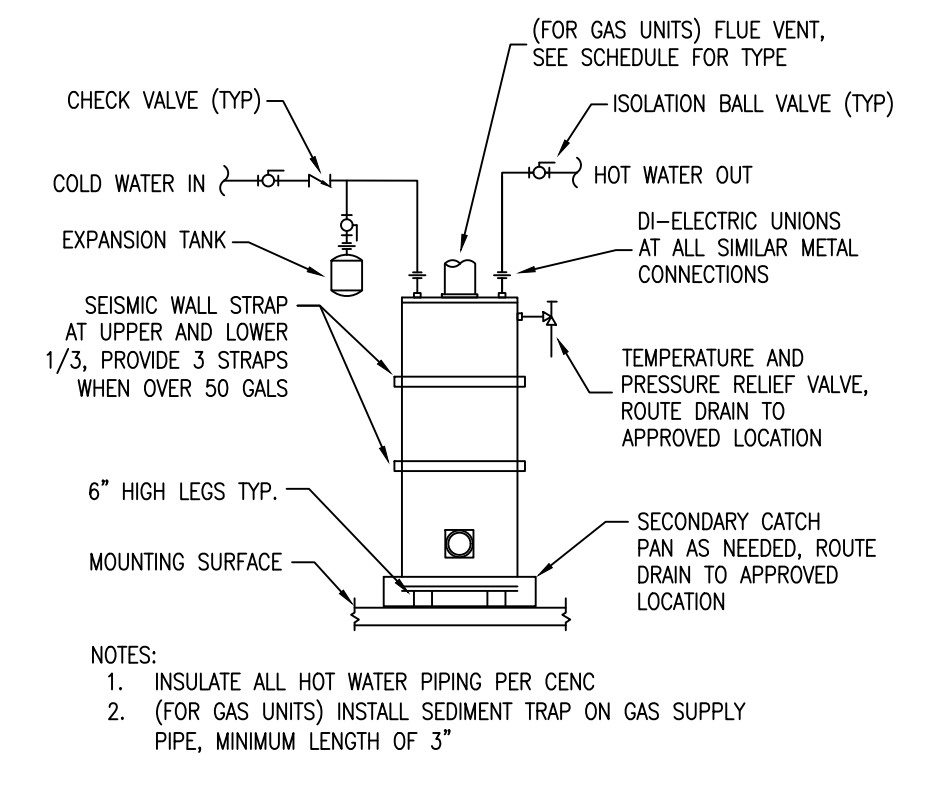
FLOOR SINK 3



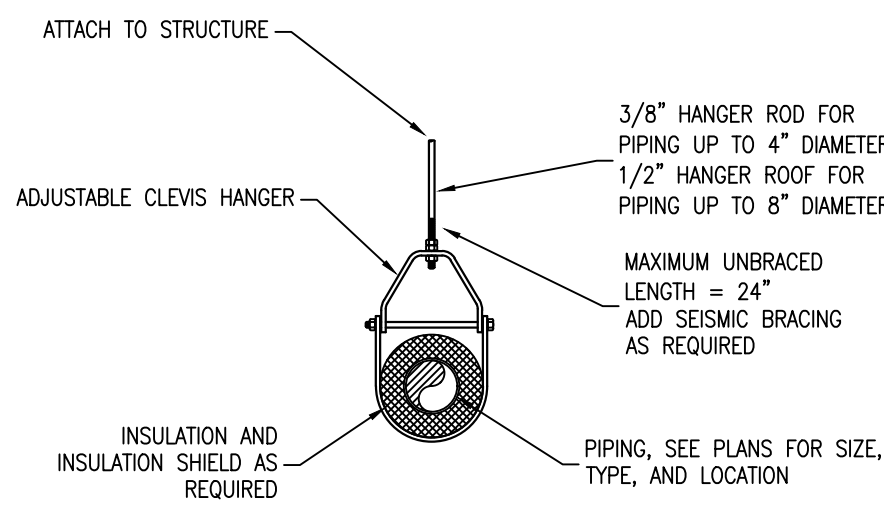
WALL CLEANOUT 4



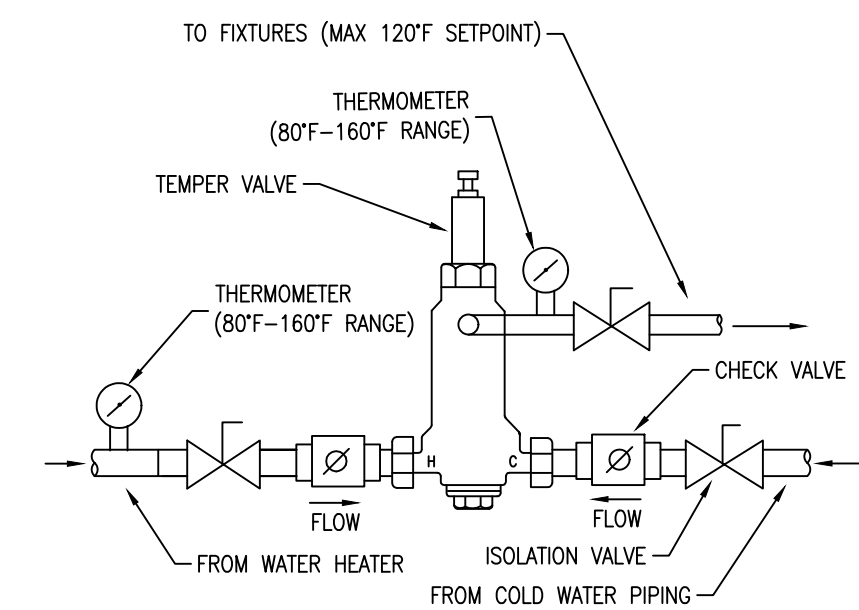
SEDIMENT TRAP 5



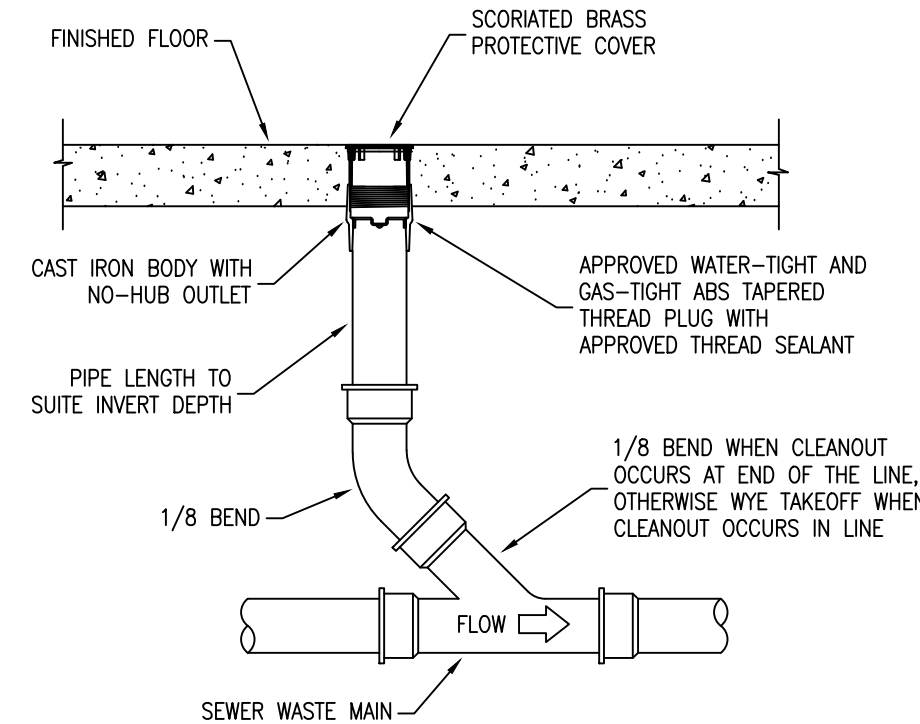
TANK WATER HEATER 6



PIPE HANGER SUPPORT 7



THERMOSTATIC MIXING VALVE 8



FLOOR CLEANOUT 9

NOTES:
 1. FOR LAVATORIES, BATHUBS, AND BIDETS VALVE SHALL BE 1070 LISTED
 2. FOR SHOWERS VALVE SHALL BE ASSE 1016 LISTED

| ISSUED FOR | DATE |
|------------|----------|
| PERMIT | 05-04-26 |
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| PROJECT NUMBER | 26038 |
| SHEET TITLE | PLUMBING DETAILS |
| SHEET NO. | P3 |

ELECTRICAL GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS AMENDED AND ADOPTED BY THE AUTHORITY(ES) HAVING JURISDICTION: 2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), 2025 CALIFORNIA BUILDING CODE (CBC), 2025 CALIFORNIA FIRE CODE (CFC), 2025 CALIFORNIA MECHANICAL CODE (CMC), 2025 CALIFORNIA PLUMBING CODE (CPC), 2025 CALIFORNIA ELECTRICAL CODE (CEC), 2025 CALIFORNIA ENERGY CODE (CEC), 2025 CALIFORNIA GREEN BUILDING CODE (CGC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), AND ANY OTHER LOCAL CODES, ORDINANCES, REGULATIONS, OR AUTHORITIES HAVING JURISDICTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. THESE CODES SHALL DETERMINE MINIMUM REQUIREMENTS FOR MATERIALS, METHODS, AND LABOR PRACTICES NOT OTHERWISE DEFINED IN THESE SPECIFICATIONS.
- CEC AND MAXIMUM VOLTAGE DROP OF 5% WILL DEFINE CONDUCTOR SIZING.
- ALL CONDUCTORS SHALL BE IN CONDUITS, U.O.N. CONDUITS SHALL BE USED IN THE FOLLOWING METHODS:
 - POLYVINYL CHLORIDE (PVC) CONDUITS ALLOWED FOR UNDERGROUND OTHERWISE PROVIDE RMC OR IMC. INSTALL PER CEC TABLE 300.5(A) BURIAL DEPTH REQUIREMENTS.
 - ELECTRICAL METALLIC TUBING (EMT) WITH COMPRESSION FITTINGS MAY BE USED IN OR ON WALLS OR CEILINGS WHERE NOT SUBJECT TO MECHANICAL DAMAGE, DAMP CONDITIONS OR CORROSIVE CONDITIONS.
 - LIQUID TIGHT FLEXIBLE METAL CONDUIT WHERE REQUIRED.
 - FLEXIBLE METALLIC CONDUIT, WHERE REQUIRED BY CEC, IN DRY LOCATIONS. NOTE: ALL CONDUITS IN HAZARDOUS LOCATIONS (PER CEC) SHALL MEET THE REQUIREMENTS OF CEC CHAPTER 5.
 - CONNECTION TO LIGHT FIXTURES ABOVE LAY-IN CEILING MAY USE 3/8" FLEXIBLE METAL CONDUIT PER CEC 348.20(A)(2).
 - ALL EXPOSED CONDUIT SUBJECT TO WEAR OR COLLISION SHALL BE RIGID GALVANIZED STEEL (RGS) OR INTERMEDIATE METALLIC TUBING (IMT). APPLY BITUMASTIC COATING TO ALL METALLIC CONDUITS IN SLABS OR UNDERGROUND.
 - PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL RACEWAY PENETRATIONS OF FIRE RATED CEILINGS, PARTITIONS, WALLS AND STRUCTURAL SLABS.
- FOR TELEPHONE SYSTEM: PROVIDE GROUNDING FOR ALL TELEPHONE BACKBOARDS, TERMINAL CABINETS AND EQUIPMENT PER REQUIREMENTS OF CEC 800 AND TELEPHONE COMPANY.
- ALL EQUIPMENT SHALL BE PROVIDED WITH AN APPROVED DISCONNECTING MEANS PER CEC. ALL DISCONNECT SWITCHES SHALL BE SIZED PER CEC TO ACCOMMODATE EQUIPMENT SERVED, INCLUDING REQUIRED FUSES, U.O.N. SWITCHES SHALL BE HORSE POWER RATED, OF HEAVY DUTY TYPE. PROVIDE MEANS FOR PAD LOCKING IN THE OPEN POSITION.
- ALL CIRCUIT BREAKERS SHALL BE INVERSE TIME (THERMAL MAGNETIC) "PERMANENT TRIP" TYPE. TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP.
- ALL CONNECTIONS TO GROUND RODS AND GRID, ETC., SHALL BE MADE WITH U.L. APPROVED WELDED CONNECTIONS, UNLESS NOTED OTHERWISE.
- LIGHTING SYSTEMS SHALL COMPLY WITH CENC. ALL LIGHTING FIXTURES, LAMPS, BALLASTS, DIMMER SWITCHES, AND CONTROLS SHALL BE CERTIFIED WITH THE CALIFORNIA ENERGY COMMISSION AS MEETING ALL CENC REQUIREMENTS AND BE LISTED IN THE APPLICABLE ENERGY COMMISSION DIRECTORY. ALL SUCH DEVICES AND EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. LIGHT FIXTURES IN SUSPENDED CEILINGS SHALL BE SUPPORTED IN STRICT ACCORDANCE WITH CBC SEISMIC REQUIREMENTS.
- LIGHT POLLUTION REDUCTION: OUTDOOR LIGHTING SYSTEMS SHALL BE INSTALLED TO COMPLY WITH CENC, CGC, OR LOCAL JURISDICTION ORDINANCE, WHICHEVER IS MORE STRINGENT.
- ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR THE INTENDED USE, WITH UNDERWRITERS LABORATORIES, INC. (UL), WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL. ALL EQUIPMENT SHALL BE RAIN TIGHT WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE METALLIC LIQUID TIGHT. ALL EQUIPMENT IN HAZARDOUS LOCATIONS, PER CEC, CHAPTER 5, SHALL BE IN ACCORDANCE WITH THE CEC. ALL EQUIPMENT IN CORROSIVE ENVIRONMENTS SHALL BE IN ENCLOSURES (SUCH AS NEMA 4X) RATED FOR THE ENVIRONMENT.
- RECEPTACLES AND SWITCHES INTENDED TO BE ACCESSIBLE TO THE PUBLIC SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-308. INSTALLATION HEIGHT ABOVE FINISHED FLOOR OR GROUND SHALL BE AS FOLLOWS: TOP OF UNOBSTRUCTED OUTLET BOXES SHALL BE NO MORE THAN 48 INCHES, BOTTOM OF UNOBSTRUCTED OUTLET BOXES SHALL BE NO LESS THAN 15 INCHES, ETC.
- UTILITY SERVICE AND REQUIREMENTS SHALL BE COORDINATED WITH POWER SERVICE WITH POWER COMPANY; PROVIDE FOR ALL STANDARD POWER COMPANY REQUIREMENTS. FAULT CURRENT RATINGS SHALL BE PROVIDED BY UTILITY.
- THE LAYOUTS OF THE CONTRACT DRAWINGS ARE DIAGRAMMATIC. IT IS NOT INTENDED TO SHOW EVERY OFFSET AND FITTING, NOR EVERY STRUCTURAL DIFFICULTY THAT WILL BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK. ALIGNMENT OF EQUIPMENT AND ROUTING OF RACEWAYS MAY BE VARIED SLIGHTLY TO ACCOMMODATE ARCHITECTURAL CONDITIONS OR TO AVOID THE WORK OF OTHER TRADES. IF ANY CONFLICTS OCCUR NECESSITATING DEPARTURES FROM CONTRACT DRAWINGS, DETAILS OF DEPARTURES AND REASONS THEREFOR SHALL BE SUBMITTED AS SOON AS PRACTICABLE FOR WRITTEN APPROVAL OF THE ENGINEER.
- THE WORD "CONTRACTOR", AS USED IN THE ELECTRICAL CONTRACT DOCUMENTS, SHALL MEAN THE PRIME (I.E. GENERAL) CONTRACTOR AND THEIR SUBCONTRACTORS FOR THE APPROPRIATE TRADE, WHERE THE OWNER ACTS AS THEIR OWN CONTRACTOR, THE WORD CONTRACTOR APPLIES TO THE OWNER.
- CONTRACTOR SHALL PROVIDE EVIDENCE OF LICENSING, BONDING, AND INSURANCE, AND PROVIDE OTHER NECESSARY ADMINISTRATIVE FUNCTIONS FOR CONTRACTOR'S WORK.
- CONTRACTOR SHALL PROCURE AND PAY FOR ALL REQUIRED PERMITS AND SERVICE CHARGES.
- COORDINATION: CONFORM TO GENERAL CONSTRUCTION CONTRACT DOCUMENTS EXCEPT AS MODIFIED HEREIN. REFER ALSO TO STRUCTURAL AND MECHANICAL CONTRACT DOCUMENTS. COORDINATE ALL WORK WITH OTHER TRADES.
- CUTTING AND PATCHING: ANY CUTTING, ATTACHING, OR WELDING TO BUILDING STRUCTURE SHOULD BE COORDINATED AND APPROVED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER. PATCHING SUBJECT TO ACCEPTANCE BY OWNER.
- SAW CUT TRENCHES IN SLAB SHALL BE FULLY RESTORED AND REINFORCED TO PREVENT SAGGING. ROUGHEN SAW CUT EDGES PRIOR TO RE-POURING CONCRETE.
- COORDINATE ALL WORK WITH OTHER TRADES TO PROVIDE A COMPLETE INSTALLATION. CONNECT ALL EQUIPMENT FURNISHED BY OTHERS AS REQUIRED. INSTALL ALL WORK TO CLEAR ARCHITECTURAL AND STRUCTURAL MEMBERS. INSTALL ALL ABOVE GRADE (OVERHEAD) PIPING AS HIGH AS PRACTICAL.
- RESTORE ALL DAMAGE RESULTING FROM THE WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK. ADJUST, CLEAN, REPAIR, OR REPLACE PRODUCTS, WHICH HAVE BEEN DAMAGED.
- PROVIDE FLASHING AND COUNTER FLASHING FOR ALL WALL AND ROOF PENETRATIONS.
- WARRANTY: ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL, AND WORKMANSHIP DEFECTS FOR A MINIMUM OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE PREMISES CAUSED BY WORK UNDER THIS CONTRACT, AS WELL AS ANY DAMAGE FROM LEAKS VIA ROOF PENETRATIONS MADE AND SEALED UNDER CONTRACTOR'S SCOPE.

LIGHTING FIXTURE SCHEDULE

| TAG | TYPE | MANU. | BRAND | MODEL | QTY. | MOUNTING | VOLT. | WATTAGE | SOURCE | LUMENS | CCT | REMARKS |
|-----|---------------|--------|---------|----------------|------|-----------------|-------|---------|--------|--------|--------|--|
| A | 1'X4' FIXTURE | COOPER | METALUX | 14MMS-13C3-UNV | 5 | CEILING SURFACE | 120 | 38.0 | LED | 5286* | 4000K* | *FIELD SELECTABLE OUTPUTS, PROVIDE WITH MOUNTING KIT |

NOTES: COORDINATE ALL ARCHITECTURAL TRIM AND ACCESSORY OPTIONS WITH OWNER EQUIVALENT FIXTURES ACCEPTABLE CONTINGENT ON OWNER APPROVAL. ALL WATTAGES SHOWN FOR FIELD SELECTABLE FIXTURES ARE THE MAXIMUM RATED WATTS AND HAVE BEEN USED FOR DOCUMENTING CA ENERGY CODE COMPLIANCE.

ELECTRICAL SHEET INDEX

- E0 ELECTRICAL SCHEDULES, PANELS, ONE-LINE, & GENERAL NOTES
- E1 ELECTRICAL PLAN - POWER
- E2 ELECTRICAL PLAN - LIGHTING
- E3 INDOOR LIGHTING ENERGY COMPLIANCE

ELECTRICAL SCOPE OF WORK

- INSTALLATION OF NEW LIGHTING SYSTEMS AND ASSOCIATED POWER AND CONTROLS
- INSTALLATION OF NEW POWER SYSTEMS

ELECTRICAL LEGEND

- 2X4 LIGHT FIXTURE (SURFACE, RECESSED)
- 2X2 LIGHT FIXTURE (SURFACE, RECESSED)
- FIXTURE W/ BATTERY BACKUP (TYP. ALL SHADED FIXTURES)
- RECESSED DOWNLIGHT
- ROUND SURFACE MOUNT LIGHT
- PENDANT LIGHT
- TRACK LIGHT
- SIGNAL LIGHT
- WALL MOUNT LIGHT
- POLE MOUNT LIGHT - 2 HEAD
- POLE MOUNT LIGHT - 1 HEAD
- EXIT/EMERGENCY COMBO LIGHT
- EMERGENCY FIXTURE
- EXIT LIGHT
- CEILING EXHAUST FAN
- WALL MOUNTED SWITCH
- WALL MOUNTED 3-WAY SWITCH
- PHOTOCELL
- PRIMARY AND SECONDARY DAYLIT ZONES
- CEILING MOUNTED SENSOR
- RECEPTACLE - DUPLEX
- RECEPTACLE - QUADRUPLUX
- RECEPTACLE - DEDICATED
- RECEPTACLE - 2-POLE
- RECEPTACLE - SPECIALTY, SEE PLANS FOR TYPE
- RECEPTACLE WITH USB PORT
- FLOOR MOUNTED RECEPTACLE
- CEILING MOUNTED RECEPTACLE
- PHONE-DATA PORT
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- JUNCTION BOX
- DISCONNECT - POLES (CAPACITY/FUSE)
- HOME RUN - PANEL-CIRCUIT(S)
- WIRE/CONDUIT - OVERHEAD
- WIRE/CONDUIT - UNDERGROUND
- POWER PANEL
- TRANSFORMER
- AFF ABOVE FINISHED FLOOR
- +XX" HEIGHT (INCHES) AFF
- D DIMMER
- M OCCUPANCY SENSOR
- V VACANCY SENSOR
- GFCI GROUND FAULT CURRENT INTERRUPTER
- WP WEATHERPROOF
- HP HORSEPOWER
- BHP BRAKE HORSEPOWER
- NTS NOT TO SCALE
- GND GROUND
- GEC GROUNDING ELECTRODE CONDUCTOR
- MSB MAIN SWITCHBOARD
- SBJ SYSTEM BONDING JUMPER
- SSBJ SUPPLY SIDE BONDING JUMPER
- BCPM BRANCH CIRCUIT POWER METER
- TYP TYPICAL
- UNON UNLESS OTHERWISE NOTED

EXISTING MSB SCHEDULE

| Code | VA | Description | BRK | Ckt | PHASE | BRK | Ckt | Description | VA | Code |
|------|------|-------------|------|-----|-------|-----|-------|------------------------|------|------|
| M | 5002 | (E) AC-1 | 60/3 | 1 | A | 2 | 100/2 | (E) Panel A | 3140 | O |
| M | 5002 | | - | 3 | B | 4 | - | | 4075 | O |
| M | 5002 | | - | 5 | C | 6 | - | Space | | |
| M | 5002 | (E) AC-2 | 60/3 | 7 | A | 8 | 40/3 | (E) CU-1 | 2678 | M |
| M | 5002 | | - | 9 | B | 10 | - | | 2678 | M |
| M | 5002 | | - | 11 | C | 12 | - | | 2678 | M |
| H | 6000 | WH-1 | 70/2 | 13 | A | 14 | 20/1 | (E) Service Receptacle | 180 | R |
| H | 6000 | | - | 15 | B | 16 | 20/2 | (E) Small A/C | 930 | M |
| | | Space | | 17 | C | 18 | - | | 930 | M |
| K | 3545 | Dishwasher | 30/2 | 19 | A | 20 | 90/2 | (E) Panel Y | 7798 | O |
| K | 3545 | | - | 21 | B | 22 | - | | 6679 | O |
| | | Space | | 23 | C | 24 | - | Space | | |
| | | Space | | 25 | A | 26 | - | Space | | |
| | | Space | | 27 | B | 28 | - | Space | | |
| | | Space | | 29 | C | 30 | - | Space | | |

| | |
|-----------------------|-------|
| Largest Motor VA | 7565 |
| Largest Motor Phases: | A,B,C |

| Load Code | VA Load per Phase | | | Calculation | |
|---------------------|-------------------|---------|---------|--|---------|
| | A | B | C | Total VA | VA Load |
| R = Recept | 180 | 0 | 0 | 180 | 1.00 |
| K = Kitchen | 3545 | 3545 | 0 | 7090 | 1.00 |
| M = Motor | 12881.3 | 13611.3 | 13611.3 | 39903.89 | 1.00 |
| L = Lighting | 0 | 0 | 0 | 0 | 1.25 |
| H = Heat | 6000 | 6000 | 0 | 12000 | 1.25 |
| PV = Solar | 0 | 0 | 0 | 0 | 1.25 |
| EV = Elec. Vehicle | 0 | 0 | 0 | 0 | 1.25 |
| O = Other | 10937.5 | 10753.9 | 0 | 21691.4 | 1.00 |
| Load Totals | 33343.8 | 33910.2 | 13611.3 | 80865.29 | 1.04 |
| VA of Largest Motor | | | | 7565.376 | 0.25 |
| Subfeed VA Loads | 0.0 | 0.0 | 0.0 | | |
| Total VA Loads | 35474.2 | 36040.6 | 14241.7 | | |
| Load Balance | 124.1% | 126.1% | 49.8% | | |
| | | | | VA Load This Panel | 85756.6 |
| | | | | Amperage This Panel Per Largest Phase VA | 260.1 |

EXISTING PANEL 'Y' SCHEDULE

| Code | VA | Description | BRK | Ckt | PHASE | Ckt | BRK | Description | VA | Code |
|------|------|-----------------------------|------|-----|-------|-----|------|--------------------------|------|------|
| R | 720 | (E) Ceiling Recepts | 20/1 | 1 | A | 2 | 20/1 | (E) Ceiling Recepts | 540 | R |
| R | 540 | (E) Ceiling Recepts | 20/1 | 3 | B | 4 | 20/1 | (E) Ceiling Recepts | 540 | R |
| R | 720 | (E) Ceiling Recepts | 20/1 | 5 | A | 6 | 20/1 | Holding Cabinet | 1575 | K |
| R | 540 | (E) Ceiling Recepts | 20/1 | 7 | B | 8 | 20/1 | Refrigerator | 621 | K |
| K | 1000 | General Purpose | 20/1 | 9 | A | 10 | 60/2 | (E) Panel B on 2nd Floor | 3500 | O |
| R | 1000 | (E) Telephone Board Recepts | 20/1 | 11 | B | 12 | - | | 3500 | O |

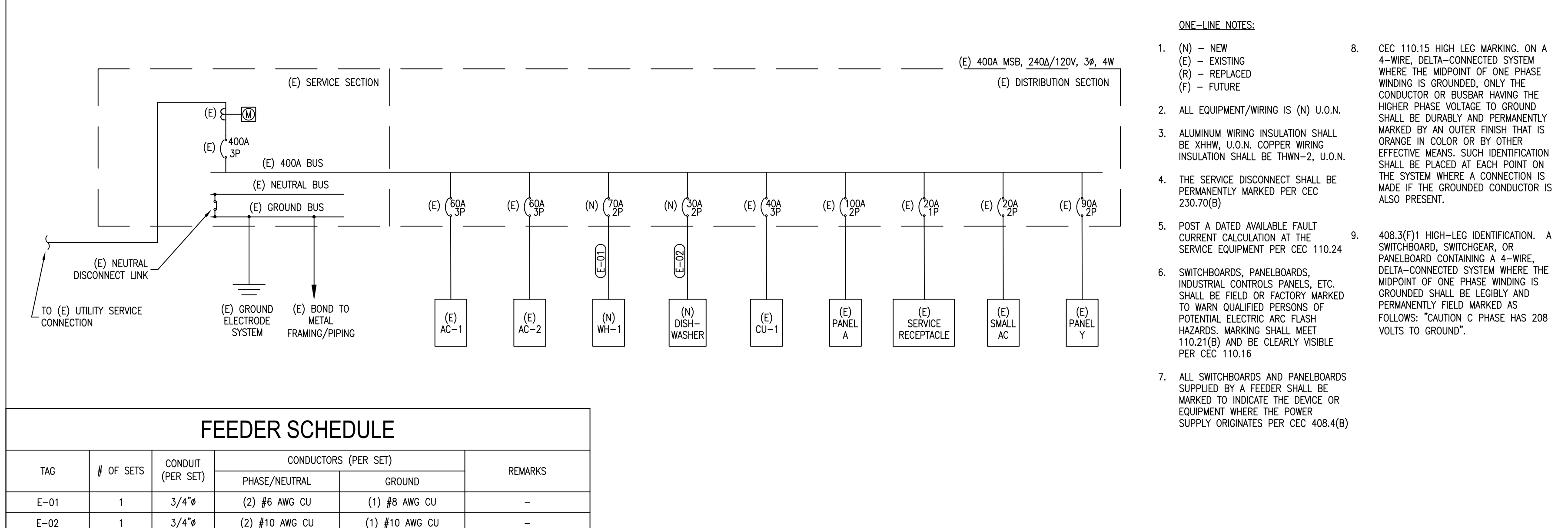
| | |
|---------------------------|-------|
| Largest Motor VA | 0 |
| Largest Motor Phases: | A,B,C |
| Subfeed Breaker to Panel: | |

| Load Code | VA Load per Phase | | | Calculation | |
|---------------------|-------------------|--------|------|--|---------|
| | A | B | C | Total VA | VA Load |
| R = Recept | 1980 | 2620 | 0 | 4600 | 1.00 |
| K = Kitchen | 2575 | 621 | 0 | 3196 | 0.90 |
| M = Motor | 0 | 0 | 0 | 0 | 1.00 |
| L = Lighting | 0 | 0 | 0 | 0 | 1.25 |
| H = Heat | 0 | 0 | 0 | 0 | 1.25 |
| PV = Solar | 0 | 0 | 0 | 0 | 1.25 |
| EV = Elec. Vehicle | 0 | 0 | 0 | 0 | 1.25 |
| O = Other | 3500 | 3500 | 0 | 7000 | 1.00 |
| Load Totals | 8055 | 6741 | 0 | 14796 | 0.98 |
| VA of Largest Motor | | | | 0 | 0.25 |
| Subfeed VA Loads | 0.0 | 0.0 | 0.0 | | |
| Total VA Loads | 7797.5 | 6678.9 | 0.0 | | |
| Load Balance | 107.7% | 92.3% | 0.0% | | |
| | | | | VA Load This Panel | 14476.4 |
| | | | | Amperage This Panel Per Largest Phase VA | 65.0 |

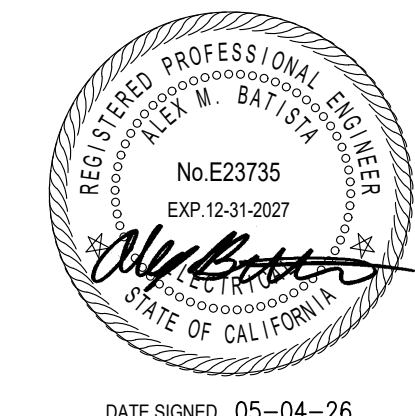
VOLTAGE DROP SUMMARY

| Voltage Drop Summary | | | | |
|---------------------------|---------------------------|-------------------------|-------|-------|
| Total Feeder Voltage Drop | Worst Case Branch Circuit | Worst Case Voltage Drop | | |
| MSB->Y | 0.37% | Y-6 | 1.51% | 1.88% |

ONE-LINE DIAGRAM



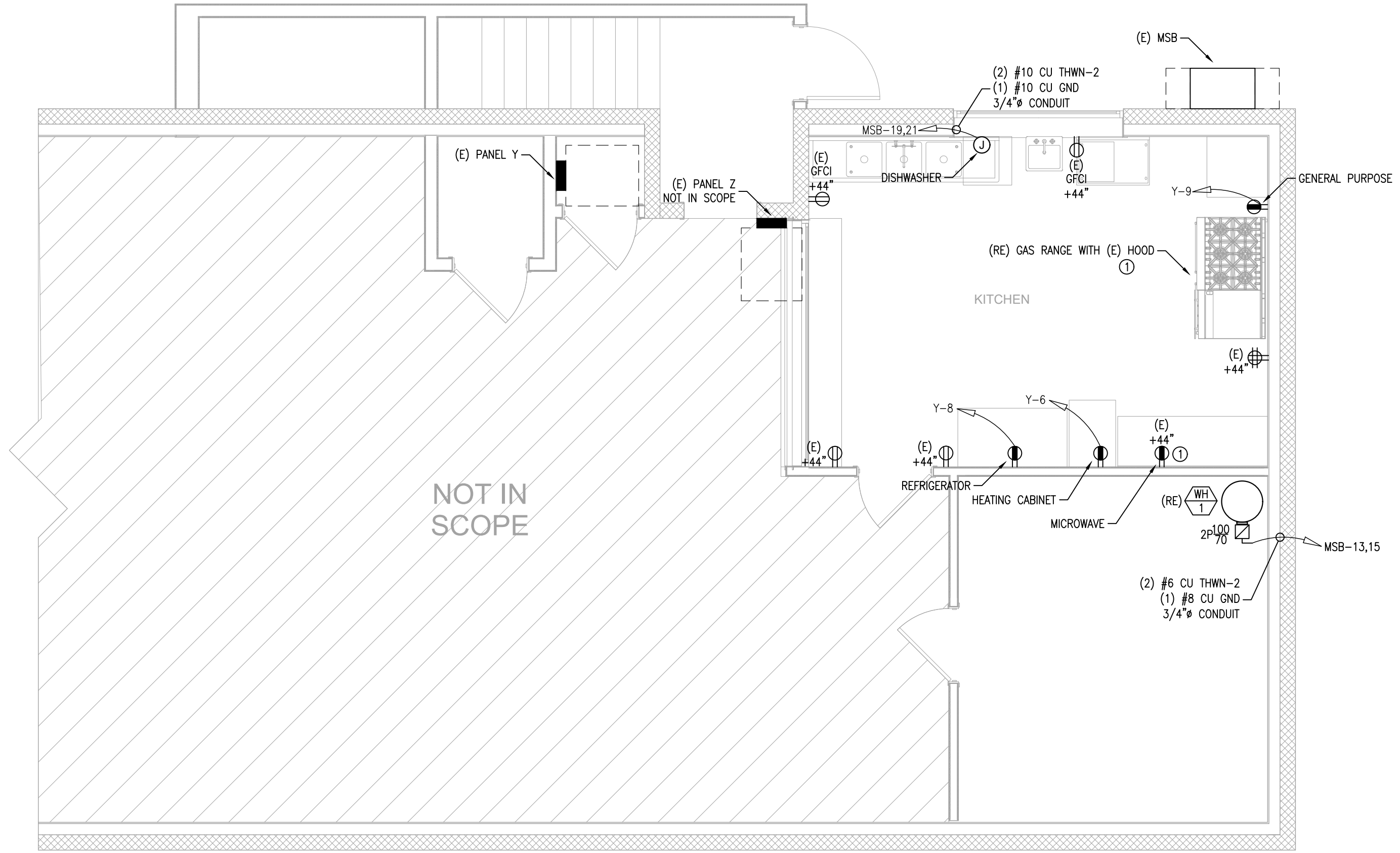
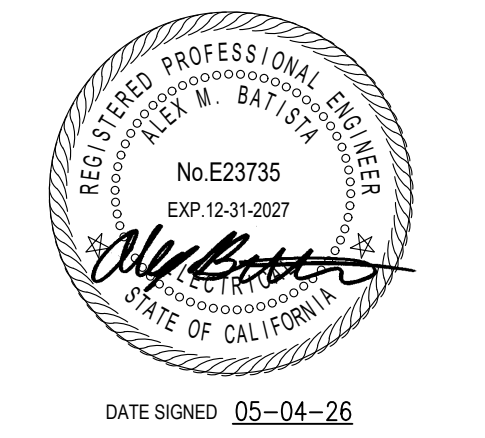
VETERANS MEMORIAL BUILDING
415 N PINE ST.
NEVADA CITY CA 95959



| ISSUED FOR | DATE |
|------------|----------|
| PERMIT | 05-04-26 |

PROJECT NUMBER 26038
SHEET TITLE
ELECTRICAL SCHEDULES, PANELS, ONE-LINE, & GEN. NOTES
SHEET NO.
E0

- SHEET NOTES:**
- (E) EXISTING
(N) NEW
(R) RELOCATED
(RE) REPLACED
(D) DEMO
 - ALL RECEPTACLES/EQUIPMENT SHOWN ARE (N) U.O.N.
 - BRANCH CIRCUITS: ALL WIRING SHALL BE #12 AWG CU AND ALL WIRING INSULATION SHALL BE THWN-2, U.O.N.
 - BOTTOM OF BOXES FOR RECEPTACLES AND DATA PORTS SHALL BE AT 16" ABOVE FINISHED FLOOR, U.O.N.
 - GFCI RECEPTACLES SHALL BE WIRED IN PARALLEL
 - CONTRACTOR TO TEST ALL (E) GFCI RECEPTACLES TO ENSURE GFCI PROTECTION, REPLACE AS NEEDED
 - RECEPTACLES IN KITCHEN AREAS SHALL BE GFCI PROTECTED PER CEC 210.8(B)
 - ALL KITCHEN EQUIPMENT SHALL BE PROVIDED WITH AN APPROVED DISCONNECTING MEANS IN ACCORDANCE WITH CEC AND PER MANUFACTURER INSTRUCTIONS



- KEY NOTES:**
- Ⓢ (E) RECEPTACLE TO BE REUSED FOR (N) EQUIPMENT

VETERANS MEMORIAL BUILDING
 415 N PINE ST.
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| ISSUED FOR | DATE |
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| PERMIT | 05-04-26 |
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PROJECT NUMBER 26038

SHEET TITLE
**ELECTRICAL PLAN
 POWER**

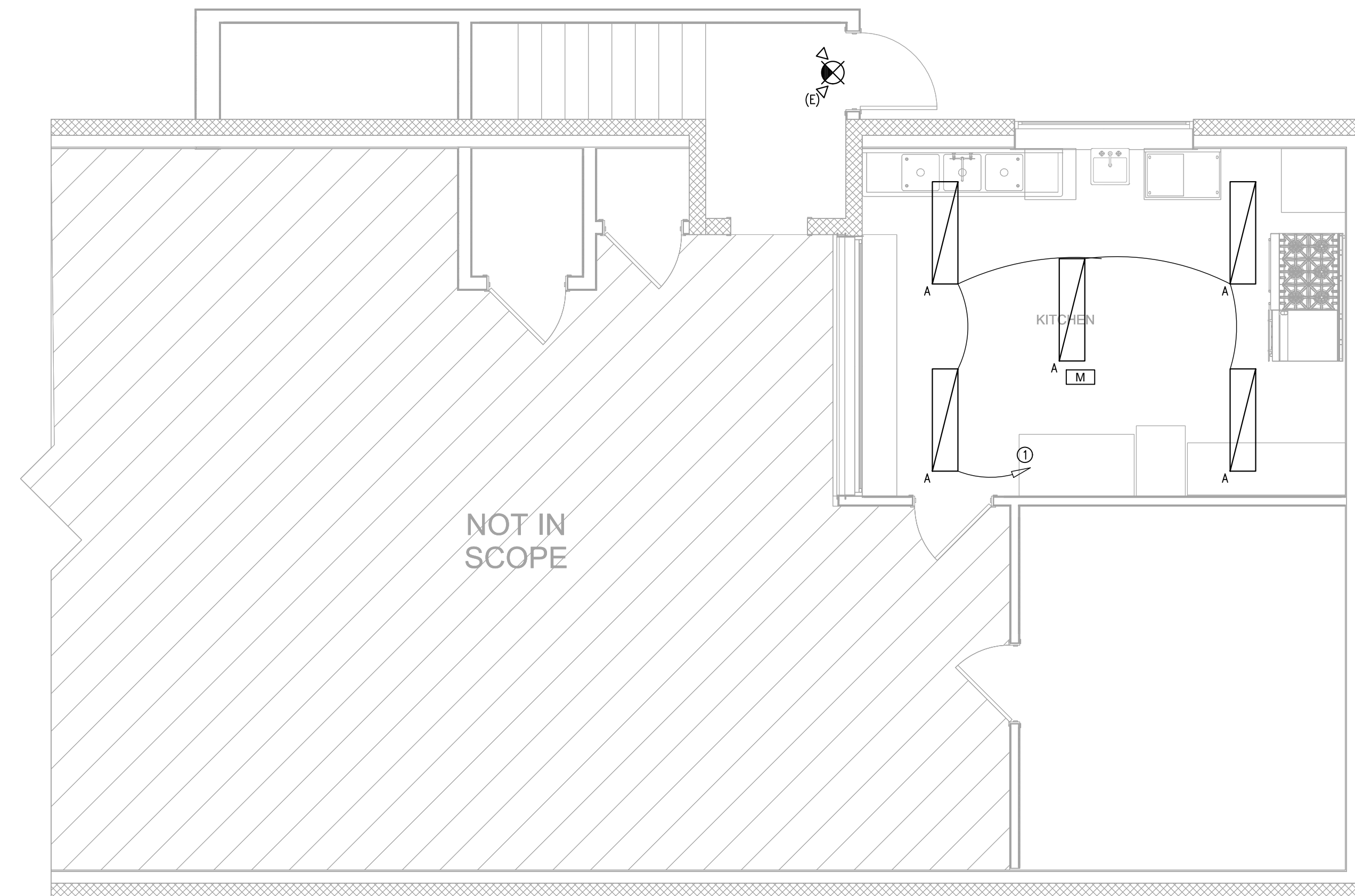
SHEET NO.
E1

A ELECTRICAL PLAN - POWER
 SCALE: 1/4"=1'-0"



SHEET NOTES:

1. (E) EXISTING
(N) NEW
(R) RELOCATED
(D) DEMO
2. ALL LIGHT FIXTURES/CONTROLS SHOWN ARE (N) U.O.N.
3. BRANCH CIRCUITS: ALL WIRING SHALL BE #12 AWG CU AND ALL WIRING INSULATION SHALL BE THWN-2, U.O.N.
4. TOP OF BOXES FOR SWITCHES SHALL BE AT 44" ABOVE FINISHED FLOOR, U.O.N.
5. ALL LIGHTING CONTROLS, INCLUDING BUT NOT LIMITED TO TIME SWITCHES, PHOTOSENSORS, DIMMERS, AND OCCUPANCY SENSING DEVICES SHALL COMPLY WITH CENC 110.9, 130.0-130.5, 140.6-140.8, AND 141.0. CONTROLS MAY BE SELF-CONTAINED OR PART OF A LIGHTING CONTROL SYSTEM AS DEFINED IN CENC 100.1. RECOMMENDED LIGHTING CONTROL SYSTEMS MEETING THESE REQUIREMENTS INCLUDE ACUITY NLIGHT AND COOPER WARELINE. CONTROL ELEMENTS SHOWN ON PLANS ARE THE MINIMUM REQUIRED AND SHALL BE INCLUDED IN ANY LIGHTING CONTROL SYSTEM. CONSULT PREFERRED MANUFACTURERS FOR PRODUCT SPECIFICATION AND INSTALLATION DETAILS
6. ALL NEW LIGHT FIXTURES INSTALLED WITHIN 1/2" OF COMBUSTIBLE MATERIAL SHALL BE RATED FOR AND LABELED AS TYPE IC (INSULATION CONTACT)
7. LIGHTING OF 50 FOOT-CANDELES (FC) INTENSITY MUST BE PROVIDED DURING HOURS OF OPERATION IN THE KITCHEN AND OTHER FOOD HANDLING AREAS. LIGHTING OF 20 FC INTENSITY MUST BE PROVIDED WHERE FOOD IS PROVIDED FOR SELF-SERVICE, IN SERVER STATIONS WHERE FOOD IS PREPARED, IN WASHING ROOMS, IN RESTROOMS, AND IN ALL ROOMS DURING PERIODS OF CLEANING. LIGHTING OF 10 FC INTENSITY MUST BE PROVIDED IN BAR AREAS.
8. LIGHTS MUST BE PROVIDED WITH SHATTERPROOF PROTECTION OR CONTAINMENT WHEN LOCATED OVER AREAS USED FOR FOOD PREPARATION (INCLUDING BEVERAGES), UTENSIL WASHING, OPENED FOOD STORAGE, AND WHERE THE LIGHT FIXTURES ARE EXPOSED TO EMPLOYEE CONTACT (E.G. INSIDE REFRIGERATION)



DATE SIGNED 05-04-26

VETERANS MEMORIAL BUILDING
 415 N PINE ST.
 NEVADA CITY CA 95959

| ISSUED FOR | DATE |
|------------|----------|
| PERMIT | 05-04-26 |
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PROJECT NUMBER 26038

SHEET TITLE
ELECTRICAL PLAN LIGHTING

SHEET NO.
E2

A ELECTRICAL PLAN - LIGHTING
 SCALE: 1/4"=1'-0"



- KEY NOTES:
- ① CONNECT (N) LIGHT FIXTURES TO (E) LIGHTING CIRCUIT

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)(2) for indoor 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) and §180.2(b)(4) for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: Nevada City Veterans Memorial Bldg Report Page: (Page 1 of 6)
 Project Address: 415 Pine St Date Prepared: 5/6/2026

A. GENERAL INFORMATION

| | | | |
|--|-------------|--|-----|
| 01 Project Location (city) | Nevada City | 04 Total Conditioned Floor Area (ft ²) | 265 |
| 02 Climate Zone | 11 | 05 Total Unconditioned Floor Area (ft ²) | 0 |
| 03 Occupancy Types Within Project (select all that apply): | | 06 # of Stories (Habitable Above Grade) | 1 |
| • All Other Occupancies | | | |

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 / §170.2(e) or §141.0(b)(2) / §180.2(b)(4) for alterations.

| Scope of Work | Conditioned Spaces | Unconditioned Spaces |
|---|----------------------|-------------------------|
| 01 | 02 | 03 |
| My Project Consists of (check all that apply): | Calculation Method | Area (ft ²) |
| <input type="checkbox"/> New Lighting System | | |
| <input type="checkbox"/> New Lighting System - Parking Garage | | |
| <input checked="" type="checkbox"/> Altered Lighting System | Area Category Method | 265 |
| | | Area Category Method |
| | | 0 |
| Total Area of Work (ft²) | | 265 |

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 CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance Report Version: 2025.0.000 Compliance ID: EPR-5910-0526-0016
 Schema Version: rev 20250101 Report Generated: 2026-05-06 14:40:41

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: Nevada City Veterans Memorial Bldg Report Page: (Page 4 of 6)
 Project Address: 415 Pine St Date Prepared: 5/6/2026

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

| Area Level Controls | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | |
|----------------------------------|--|---|--|---|---|--|--|-----------------|--------------------------|--------------------------|
| Area Description | Complete Building or Area Category Primary Function Area | Manual Controls §130.1(a) / §160.5(b)(4)A | Multi-Level Controls §130.1(b) / §160.5(b)(4)B | Shut-Off Controls §130.1(c) / §160.5(b)(4)C | Primary/Sky-lit Daylighting §130.1(d) / §160.5(b)(4)D | Secondary Daylighting Systems §140.6(a)(1) / §170.2(e)(2)A | Interlocked Systems §140.6(a)(1) / §170.2(e)(2)B | Field Inspector | Pass | Fail |
| Kitchen | Kitchen/ Food Preparation | Readily Accessible and located in the same space. | Dimmer | Occupancy Sensor | NA: General Lig < 75W | NA: General Lig < 75W | No | | <input type="checkbox"/> | <input type="checkbox"/> |
| Plan Sheet Showing Daylit Zones: | | | | | | | | | | |

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(e) are being used.

| Conditioned Spaces | 01 | 02 | 03 | 04 | 05 | 06 |
|-------------------------------|--|--------------------------------------|-------------------------|-------------------------|-----------------------------------|-----|
| Area Description | Complete Building or Area Category Primary Function Area | Allowed Density (W/ft ²) | Area (ft ²) | Allowed Wattage (Watts) | Additional Allowance / Adjustment | PAF |
| Kitchen/Food Preparation Area | Kitchen/ Food Preparation | 0.95 | 265 | 251.8 | No | No |
| TOTALS: | | | 265 | 251.8 | See Tables J, or P for detail | |

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: Nevada City Veterans Memorial Bldg Report Page: (Page 2 of 6)
 Project Address: 415 Pine St Date Prepared: 5/6/2026

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

| Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)(1) / §170.2(e) | Allowed Lighting Power per §140.6(b) / §170.2(e) (Watts) | | | | Adjusted Lighting Power per §140.6(a) / §170.2(e) (Watts) | | | Compliance Results |
|---|--|---|---|-----------------------|---|--|--|-------------------------------------|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | |
| | Complete Building §140.6(c)(1) | Area Category §140.6(c)(2) / §170.2(e)(4) | Area Category Additional §140.6(c)(2)G / §170.2(e)(4)Av (+) | Total Allowed (Watts) | Total Designed (Watts) | Adjustments PAF Lighting Control Credits §140.6(a)(2) / §170.2(e)(1) (-) | Total Adjusted (Watts) *Includes Adjustments | 05 must be >= 08 §140.6 / §170.2(e) |
| | [See Table I] | [See Table I] | [See Table J] | = | [See Table F] | [See Table P] | = | |
| Conditioned | | 251.8 | 0 | = | 252 | ≥ | 190 | 0 |
| Unconditioned | | | | = | | ≥ | | 190 |
| Controls Compliance (See Table H for Details) | | | | | | | | COMPLIES |
| One-for-one Luminaire Alterations Compliance (See Table Q 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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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: Nevada City Veterans Memorial Bldg Report Page: (Page 5 of 6)
 Project Address: 415 Pine St Date Prepared: 5/6/2026

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. ONE-FOR-ONE LUMINAIRE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have 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-LTI-E - Must be submitted for all buildings |

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: Nevada City Veterans Memorial Bldg Report Page: (Page 3 of 6)
 Project Address: 415 Pine St Date Prepared: 5/6/2026

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

| Designed Wattage: Conditioned Spaces | | | | | | | | | |
|--|--------------------------------|-------------------------|--|----------------------------------|---------------------------|----------------------------|---|--------------|-----------------|
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
| Name or Item Tag | Complete Luminaire Description | Modular (Track) Fixture | Small Aperture & Color Change ¹ | Watts per luminaire ² | How is Wattage determined | Total Number of Luminaires | Excluded per §140.6(a)(3) / §170.2(e)(2)C | Design Watts | Field Inspector |
| A | A | No | NA | 38 | Mfr. Spec | 5 | No | 190 | Pass |
| Total Designed Watts: CONDITIONED SPACES | | | | | | | | | 190 |

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)(4) / §170.2(e)(2)D is adjusted to be 75%/80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) / §160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

| Building Level Controls | 01 | 02 | 03 |
|--------------------------------------|----|---|-----------------|
| Mandatory Demand Response §110.12(c) | | Shut-off controls §130.1(c) / §160.5(b)(4)C | Field Inspector |
| NA < 4,000W subject to multilevel | | See Area/Space Level Controls (Column 8) | Pass |
| | | | Fail |

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION

Indoor Lighting NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: Nevada City Veterans Memorial Bldg Report Page: (Page 6 of 6)
 Project Address: 415 Pine St Date Prepared: 5/6/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

| | |
|--|--|
| Documentation Author Name: Alex Batista, PE | Documentation Author Signature: |
| Company: Optimized Energy & Facilities Consulting | Signature Date: 2026-05-06 |
| Address: 5734 Lonetree Blvd Rocklin CA 95765 | CEA/NCA/FECC Certification Identification (if applicable): E23735 |
| City/State/Zip: Rocklin CA 95765 | Phone: 916-626-5518 |

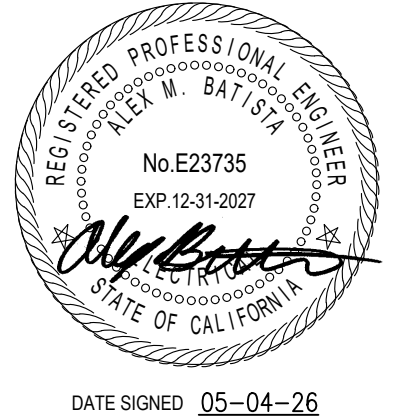
RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 5 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- 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.
- 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 Person Name: Alex Batista | Responsible Person Signature: |
| Company: Optimized Energy & Facilities Consulting, Inc | Date Signed: 2026-05-06 |
| Address: 5734 Lonetree Blvd Rocklin CA 95765 | License: E23735 |
| City/State/Zip: Rocklin CA 95765 | Phone: (916) 626-5518 |

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VETERANS MEMORIAL BUILDING
 415 N PINE ST.
 NEVADA CITY CA 95959

| ISSUED FOR | DATE |
|------------|----------|
| PERMIT | 05-04-26 |

PROJECT NUMBER 26038

SHEET TITLE
 INDOOR LIGHTING ENERGY COMPLIANCE

SHEET NO.
 E3