



THE CITY OF SAN DIEGO
Development Services Department
1222 1st Avenue, San Diego, CA 92101

Project Address 726 Torrance St
San Diego, CA

Project Type Building Construction

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Instructions

<p>The following issues require corrections to the documents submitted.</p>

Building Construction Plans PRJ-1111319.pdf

DSD-Electrical

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[Comment 00040 | Sheet E2.6 | Open]

All services supplying dwelling units shall be provided with a surge-protective device (SPD). (230.67)

[Comment 00041 | Sheet E2.6 | Open]

Provide and calculate the available fault current at the new unit subpanels and HP panel.

[Comment 00042 | Sheet E2.6 | Open]

Update the CEC code year on the Notes in the Building Load Calc. from 2019 to 2022.

[Comment 00043 | Sheet E2.7 | Open]

Update the CEC code year on the Dwelling Unit Load Calcs from 2019 to 2022.

[Comment 00044 | Sheet E2.6 | Open]

Show feeder lengths for all components shown on the single line diagram and provide VD% calculations on the plan to show V.D. is not exceeding 5% and to justify conductor ratings.

[Comment 00045 | Sheet E2.6 | Open]

To calculate the load of a feeder or service that supplies three or more dwelling units of a multifamily dwelling in accordance with 220.84, each dwelling unit shall be equipped with electric cooking equipment. An artificial load of 8KVA per dwelling unit shall be permitted to be used.



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[Comment 00046 | Sheet E2.9 | Open]

Per 2022 California Energy Code 160.9(B)1. and 2., where gas/propane cooktops are installed to serve a dwelling unit, a dedicated 240 volt branch circuit with conductor ampacity of at least 50A shall be installed within 3-feet from the cooktop and accessible to the cooktop with no obstructions. The unit electrical panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future electric cooktop installation. The reserved space shall be permanently marked "For future 240V use". The dwelling unit load calculations shall incorporate the future electric cooktop load to verify panel is adequately sized.

[Comment 00047 | Sheet E2.9 | Open]

Per 2022 California Energy Code 160.9(C)1.a. and b., where gas/propane clothes dryers are installed to serve a dwelling unit, a dedicated 240 volt branch circuit with conductor ampacity of at least 30A shall be installed within 3-feet from the clothes dryer location and accessible to the clothes dryer location with no obstructions. The unit electrical panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future electric clothes dryer installation. The reserved space shall be permanently marked "For future 240V use". The dwelling unit load calculations shall incorporate the future electric cooktop load to verify panel is adequately sized.

[Comment 00048 | Sheet E2.6 | Open]

Update the copper feeder schedule to include the neutral conductor size.

[Comment 00049 | Sheet E2.7 | Open]

Identify the 6000VA motor load on the dwelling unit panel schedules that is shown on the dwelling unit load calculations.

[Comment 00050 | Sheet E2.7 | Open]

Update the HVAC load on the dwelling unit load calculations to match the HVAC VA loads shown on the dwelling unit panel schedules.

[Comment 00051 | Sheet E2.7 | Open]

Update the dwelling unit load calculation VA load values to match the load VA values provided on the dwelling unit panel schedules.

[Comment 00052 | Sheet E2.7 | Open]

Update the dwelling unit panel schedules to include all loads indicated on the dwelling unit load calculations.

[Comment 00053 | Sheet E2.1 | Open]

On the 1st and 2nd floor lighting and power plans, show the circuit designations for all new and existing luminaires, outlets, and electrical equipment.

[Comment 00054 | Sheet E2.2 | Open]

Show the luminaire controls for all new and existing lighting on the 2nd floor lighting plan.

[Comment 00055 | Sheet E2.1 | Open]

Provide the following note on the plans: All luminaries installed in residential kitchens, bathrooms, garages, laundry and utility rooms shall be high efficacy type.

[Comment 00056 | Sheet E2.1 | Open]



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All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles in dwelling units shall be listed tamper-resistant receptacles.

[Comment 00057 | Sheet E2.1 | Open]

Provide the following note on the plans: "AFCI protection shall be provided on all 120-volt, single-phase, 15- and 20-ampere branch circuits supplying outlets or devices installed in dwelling unit kitchens, family rooms, dining rooms, living rooms, dens, bedrooms, sunrooms, recreations rooms, closets, hallways, laundry areas, or similar rooms."

[Comment 00058 | Sheet E2.1 | Open]

Provide an occupancy or vacancy sensor that provides automatic-off functionality to atleast one luminaire installed in bathrooms, garages, laundry rooms, utility rooms and walk-in closets in accordance with 2022 California Energy Code 160.5(a)2.E.i.

[Comment 00059 | Sheet E2.1 | Open]

In accordance with 2022 California Energy Code 160.5(a)(F), provide dimming controls for new lighting installed in habitable spaces including but not limited to living rooms, dining rooms, kitchens and bedrooms. Dimming controls shall be readily accessible and allow the lighting to be manually adjusted up and down.

[Comment 00060 | Sheet E2.6 | Open]

Provide the NEMA rating for the new 600A MSB.

[Comment 00061 | Sheet E2.3 | Open]

Provide outlets in every kitchen, family room, dining room, living room, parlor, library, den, sunroom, bedroom, recreation room, or similar room or area of dwelling units, such that no point measured horizontally along the floor line of any wall space in the listed areas is more than 6- ft from a receptacle outlet. (210.52(A) and (A)(1)).

[Comment 00062 | Sheet E2.3 | Open]

All 125-volt through 250-volt receptacles supplied by single-phase branch circuits rated 150 volts or less to ground and located in the following areas shall have GFCI protection in accordance with 210.8(A):

Bathrooms, Outdoors, Kitchens (where receptacles are installed to serve countertop surfaces), Sinks (where receptacles are installed within 6-ft from the top inside edge of the bowl of the sink), Laundry areas, Indoor damp and wet locations.

[Comment 00063 | Sheet E2.3 | Open]

Provide a 125-volt, single-phase, 15- or 20A rated receptacle outlet at an accessible location within 25 feet and within the same room or area as the new dwelling unit subpanels in accordance with 210.63(B) (2).