



**City of Redondo Beach
Community Development, Building Division**

415 Diamond Street, Redondo Beach, CA 90277
 Phone: (310) 318-0636 | E-mail: BuildingRedondo@redondo.org
 Website: www.redondo.org

**SUBMITTAL REQUIREMENTS CHECKLIST
ELECTRIC VEHICLE CHARGING STATIONS (EVCS)**

Job Address:	Permit No.:
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TYPE OF ELECTRICAL VEHICLE CHARGING STATION (please check one)		
Check One	Type of Charging Station(s) Proposed	Power Levels (proposed circuit rating)
<input type="checkbox"/>	Level 1	110/120 volt alternating current (VAC) at 15 or 20 Amps
<input type="checkbox"/>	Level 2 - 3.3 kilowatt (kW) (low)	208/240 VAC at 20 or 30 Amps
<input type="checkbox"/>	Level 2 - 6.6kW (medium)	208/240 VAC at 40 Amps
<input type="checkbox"/>	Level 2 - 9.6kW (high)	208/240 VAC at 50 Amps
<input type="checkbox"/>	Level 2 - 19.2kW (highest)	208/240 VAC at 100 Amps
<input type="checkbox"/>	DC Fast Charging	440 or 480 VAC
<input type="checkbox"/>	Other (Specify and provide details):	

GENERAL INFORMATION
<ol style="list-style-type: none"> 1. This document outlines the <u>minimum submittal requirements</u> for construction documents intended for building permit application. Non-residential projects require a licensed design professional to be responsible for the construction documents, see "Plan Preparer" section for required statement. 2. Free access to the California Codes is available through https://www.dgs.ca.gov/BSC/Codes#@ViewBag.JumpTo. 3. The Building Division will conduct the plan review and inspections for EVCS installations. 4. Planning Division approval is not required for EVCS installations unless the Building Official determines the proposed EVCS will have a specific adverse impact on public health or safety. 5. Accepted methods of payment for required fees: Mastercard®, VISA®, check, or cash. 6. Plan check review comments will be made available to the applicant in a timely manner. Once comments have been addressed and satisfactorily resolved, the building permit may be issued. 7. If you have any questions regarding submittal requirements, please call the City of Redondo Beach Building Division line at 310-318-0636 or visit us at www.redondo.org.

BASIC SUBMITTAL REQUIREMENTS CHECKLIST <i>The following items are required at time of application</i>	
<input type="checkbox"/>	A completed City of Redondo Beach Permit Application via City's online Permit Portal at following link Redondo Beach Permit Portal
<input type="checkbox"/>	A copy of this checklist must be completed and submitted to the Building Division at the time of Building Permit Application. *An explanation for any checklist item not completed or met is required and shall be identified with N/A where not applicable. *Reference sheet #'s are required to identify where checklist items can be located on the plan set.
<input type="checkbox"/>	Upload a complete set of plans into the portal for the proposed EVCS (24" x 36" preferred plan size, 11"x 17" minimum plan size; 1/4" = 1'-0" minimum scale, 9 pt. Arial or equal font size or 1/8" minimum neatly hand-printed lettering). Plan submittals shall include, but not be limited to: 1) A Title Page 2) A Site Plan 3) An Electrical Plan 4) An Electrical Load Calculation 5) All Electrical Equipment and Installation Details incorporated into the plans
<input type="checkbox"/>	Upload EVCS Manufacturer Installation Details, Listing, and Specifications (see comment above, incorporate into plan set)
<input type="checkbox"/>	Upload an Electrical Service Load Calculation, and incorporate the load calculation within the plan set (for Level 2 or other)
<input type="checkbox"/>	An electrical single-line diagram showing how the EVCS will be integrated into the electrical system (panel/busbar capacity, circuit breaker sizes, location of EVCS breaker, wire type, number, sizing, and length, etc.) shall be provided within the plan set

IN-DEPTH SUBMITTAL REQUIREMENTS CHECKLIST

- Use this in-depth submittal requirements checklist, and the supplemental information below, for preparation and submittal of plans. Specific requirements and level of detail will depend on the extent, nature, and complexity of the proposed work.
- All applicable checklist items must be specified on the plans, accompanied by this checklist.

<input type="checkbox"/>	<p>1. Plans specify (and locate) all applicable levels of charging station proposed (please identify below as well)</p> <ul style="list-style-type: none"> • Level 1: 110/120 volt alternating current (VAC) at 15 or 20 Amps • Level 2 – 3.3 kilowatt (kW) (low): 208/240 VAC at 20 or 30 Amps • Level 2 – 6.6kW (medium): 208/240 VAC at 40 Amps • Level 2 – 9.6kW (high): 208/240 VAC at 50 Amps • Level 2 – 19.2kW (highest): 208/240 VAC at 100 Amps • DC Fast Charging: 440 or 480 VAC • Other (Specify and provide details):
<input type="checkbox"/>	<p>2. General Requirements:</p> <ul style="list-style-type: none"> • Plans and details are drawn to scale, minimum ¼" = 1' and the scale is identified on the plan sheets. Site plans may be at a smaller scale, use a scale that shows in clear detail
<input type="checkbox"/>	<ul style="list-style-type: none"> • Plans are on a paper size not less than 11"x17" (24"x36" preferred)
<input type="checkbox"/>	<ul style="list-style-type: none"> • Plans are oriented in landscape orientation
<input type="checkbox"/>	<ul style="list-style-type: none"> • Plans shall have information printed that is clear and legible
<input type="checkbox"/>	<p>3. The Title Page includes the following information:</p> <ul style="list-style-type: none"> • The address of the property • The name, address, email address, and phone number of the property owner • The name, address, email address, phone number, and license number of the person responsible for the EVCS system design • All codes (with appropriate version/year) applicable to the project • "Specification stating plans shall meet all the requirements of the California Electrical Code and Article 625" • Narrative description/scope of the proposed work • Note on plan where applicable: Per CA <u>Government Code, Section 65850.7 (h)</u>, EVCS Permits are not subject to HOA approval as defined in Section 4080 of the CA Civil Code
<input type="checkbox"/>	<p>4. The Site Plan includes the following information:</p> <ul style="list-style-type: none"> • Use (occupancy) and location (with regards to site boundaries and other structures) of on-site structures • North arrow • Dimensioned parking improvements, driveways, accessibility upgrades, etc. • Location and setbacks of Electric Vehicle Charging Station (EVCS) equipment, main electric service panel, disconnects, and overcurrent protection locations • Underground conduit materials, locations, lengths, sizes, and routing • Location of additional meters, if applicable • The mounting height for the charging coupling (the connector) and the operable controls. NOTE: If installed indoors, the electric vehicle charging coupling shall be located between 18" and 48" above the finished floor. If installed outdoors, the electric vehicle charging coupling shall be located between 24" and 48" above finished grade. (California Electrical Code (CEC) 625.50 and CBC 11B-309). <i>Where specifically marked, the installation instructions of the listed equipment shall be enforced.</i> • All site-related accessibility requirements prescribed by CA Building Code (CBC) Sections 11B-228 and 11B-812 (shown and fully specified). NOTE: <i>Applicable to commercial facilities, public and common use areas, public accommodations, and public housing as defined in the CA Building Code.</i> • Details/specifications for all other proposed site-related work. • Parking spaces <ul style="list-style-type: none"> • Total number of existing parking spaces: _____ • Total number of parking spaces to be removed: _____ • Total number of proposed EVCS: _____ • Landscape, including trees proposed to be removed • Easement locations

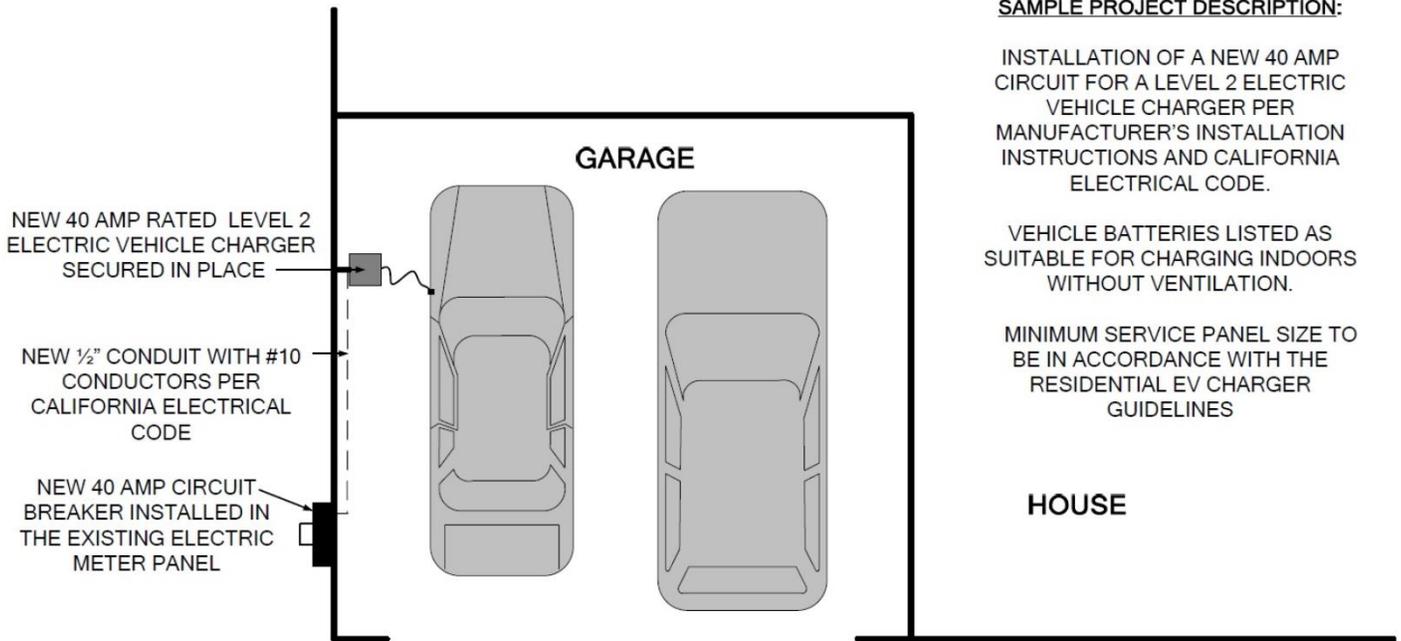
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p>A. Compliance with the current California Green Building Standards Code (CGBSC):</p> <ol style="list-style-type: none"> 1. Do the plans demonstrate conformance with CGBSC Table 5.106.5.3.3 for the minimum required number of charging spaces, and clearly demonstrated on the plan? _____ 2. Do the construction plans comply with the design requirements set forth in CGBSC 5.106.5.3.1 for single charging spaces or CGBSC 5.106.5.3.2 or for multiple charging spaces? _____ <p>B. Compliance with the current California Building Code 11A and 11B for accessibility features:</p> <ol style="list-style-type: none"> 1. Do the plans identify the correct number and type of accessible EVCS stalls required in accordance with Table 11B-228.3.2.1? _____ 2. Do the plans detail compliance with the accessible EVCS features required by 11B-812? _____
	<p>5. The Electrical Plan includes the following information:</p> <ul style="list-style-type: none"> • The location of the proposed EVCS equipment, wiring, supply equipment, and any other electrical equipment connected to the proposed system • <i>Electrical equipment shall be installed in existing electrical rooms show location on plans</i> • The main service conductors [and equipment for the protection of the electrical service (disconnecting means, overcurrent protection, etc.)], shall be installed in accordance with CEC Article 230 • The annular spaces around pipes, electric cables, conduits, or other openings at exterior walls shall be protected against the passage of rodents • All applicable electrical-plan-related requirements of CEC Article 625 • All applicable electrical-plan-related accessibility requirements prescribed by California Building Code (CBC) Sections 11B-228 and 11B-812 (detailed/ fully specified – <u>general references to code sections are insufficient</u>) NOTE: <i>Applicable to commercial facilities, public and common use areas, public accommodations, and public housing as defined in the CA Building Code.</i>
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p>6. The Manufacturer’s Listing, Installation Details, and Specifications include the following information:</p> <ul style="list-style-type: none"> • The certified listings of the proposed electrical equipment (EVCS, panels, inverters, etc.) (EVCS should be per UL 2202/UL 2200) • The listing shows the EVCS is suitable for the proposed location (indoor/outdoor) • Structural and electrical installation details
<input type="checkbox"/>	<p>7. The Electrical Service Load Calculations include the following information:</p> <ul style="list-style-type: none"> • Demand and sizing of the electrical service panel pursuant to CA Electrical Code (CEC) Article 220. NOTE: <i>Make sure to include 125% of the EV charging station load in the calculation.</i>
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p>8. The Single-Line Electrical Diagram includes the following information:</p> <ul style="list-style-type: none"> • EVCS supply equipment • Size of the overcurrent device (circuit breaker) supplying the EVCS • Conductor and conduit sizes, types, and locations/routing (within framing, mounted to structures, underground, etc.) • Size (ampacity and voltage) of the main electric panel, distribution panels (sub-panels), overcurrent protection, disconnects, additional meters, and EVCS equipment (CEC 220) • Sizes of the service entrance conductors • All equipment labeling requirements per CEC 625.15 • The EVCS equipment disconnecting means shall be identified with a durable label stating, “Emergency Power Off – Electric Vehicle Charging Station” (CEC 110.22)
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<p>9. Potential Additional Required Information:</p> <ul style="list-style-type: none"> • If the Electrical Load Calculations indicate a panel upgrade is needed, clearly indicate (on the plans and the application) that the panel is new (rather than existing) • If the EVCS equipment is listed for charging electrical vehicles that require ventilation for indoor charging, a Mechanical Plan specifying all the ventilation requirements prescribed by CEC 625.52 is to be included with the permit application typical of projects utilizing battery charging for electrical forklifts, trucks, etc. • If the project site is located within a 100-year flood hazard zone, the EVCS equipment shall be elevated a minimum of 12” above the base flood elevation per ASME 24-7 section 7. The base flood elevation must be determined, and an elevation certificate submitted, by a licensed land surveyor (or civil engineer as applicable). • If the EV charging equipment is rated more than 60 amps, or more than 150V to ground, specify the

<input type="checkbox"/>	disconnecting means to be lockable in an open position, and to be installed in a readily accessible location (CEC 625.43)
<input type="checkbox"/>	<ul style="list-style-type: none"> If trenching is proposed, provide a trenching detail showing compliance with the minimum cover requirements pursuant to CEC 300.5. NOTE: <i>Trenching for electrical feeders from structure to electrical equipment must comply with CEC 225 and Table 300.5</i>
<input type="checkbox"/>	<ul style="list-style-type: none"> If vehicle impact protection for EVCS equipment is required, locate and detail the physical protection (such as a bollard) (CEC 110.27 (B)) NOTE: <i>Physical protection from damage is often a 4" diameter steel pipe filled with concrete, a minimum of 40" above the finished floor/grade, installed in a footing measuring 15" in diameter and 3' deep. (CFC 312)</i>
<input type="checkbox"/>	<ul style="list-style-type: none"> If the EVCS is installed in a building containing an R3 (residential) occupancy, specify the location for all required smoke and carbon monoxide alarms within the dwelling(s). (CBC 907.2.11, CBC 915, CRC R314 and CRC R315).
<input type="checkbox"/>	<ul style="list-style-type: none"> For <u>newly constructed</u> hotels, motels, lodging houses, dwellings, condominiums, shelters, congregate residences, employee housing, factory-built housing, and other types of dwellings containing sleeping accommodations, CALGreen requirements (including Tier 1) apply.
<input type="checkbox"/>	<ul style="list-style-type: none"> For <u>newly constructed</u> nonresidential buildings, CALGreen requirements (including Tier 1) apply.
<input type="checkbox"/>	<ul style="list-style-type: none"> For public and common use areas, public accommodations, commercial facilities, and public housing (as defined in the CA Building Code), review the California Building Code (CBC) for additional accessibility requirements.
<input type="checkbox"/>	<p>Some sections that may apply: 11B-202.4 (Path of Travel), 11B-228.3 (Electric Vehicle Charging Stations), 11B-302 (Floor or Ground Surfaces), 11B-303 (Changes in Level), 11B-305 (Clear Floor Ground Space), 11B-308 (Reach Ranges), 11B-309 (Operable Parts), 11B-402 (Accessible Route), 11B-703.3 (Braille), 11B-703.7 (Symbols of Accessibility), 11B-703.7.2.1 (International Symbol of Accessibility), 11B-707.2 (Clear Floor or Ground Space), 11B-707.3 (Operable Parts), 11B-707.7.2 (Characters), 11B-707.9(Point-of-Sale Devices), 11B-812 (Electric Vehicle Charging Stations).</p>

PLAN PREPARER	
<i>Electrical plans shall be completed, stamped, and signed by a California Licensed Electrical, or if design-build, by a C-10 electrical contractor.</i>	
<i>In accordance with CBC Chapter 11B Accessibility requirements, the designated California Registered Design Professional is responsible for including the following statement on the Title Page/Cover Sheet:</i>	
<i>"As the registered California Design Professional overseeing this project, I confirm that I have conducted a site visit and verified that the proposed Electric Vehicle Charging Station (EVCS) location complies with accessibility standards. This includes ensuring a maximum slope of 2% in all directions serving the EVCS space and access aisle. Additionally, an accessible route without abrupt changes in level exceeding 1/2" beveled at a 1:2 slope is provided from the EVCS to the facility entrance. Any non-compliance issues identified will be addressed by bringing the design in line with the accessibility requirements outlined in CBC Chapter 11B and demonstrated within this plan set."</i>	
Project Address:	
Name of Person Completing the Checklist (Print):	Signature:
Engineer or Contractor's License Number and Type:	

INSPECTION
Once all permits to construct the EVCS have been issued the system must be inspected. On-site inspections shall be scheduled within the CTS Permit Portal by the permit holder.
Permit holders must provide the inspector with a printed set of the Building Division Approved Plans, on the job site at the time of inspection.
The permittee must be prepared to show conformance with all technical requirements in the field at the time of inspection. The inspector will verify that the installation is in conformance with applicable code requirements and the Building Division Approved Plans.
ADDITIONAL INFORMATION
For additional information regarding this permit process, please contact the Building Division at BuildingRedondo@redondo.org .

**SAMPLE RESIDENTIAL ELECTRICAL PLAN
FOR LEVEL 2 ELECTRIC VEHICLE CHARGER CIRCUIT INSTALLATION**



SAMPLE PROJECT DESCRIPTION:

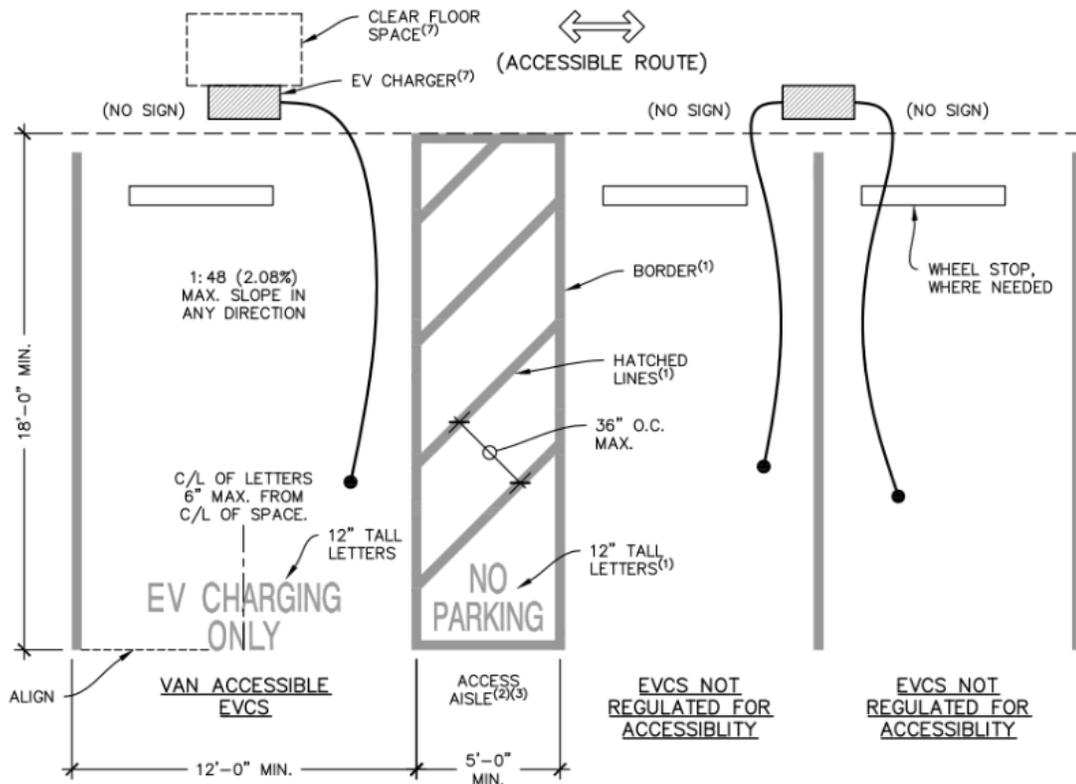
INSTALLATION OF A NEW 40 AMP CIRCUIT FOR A LEVEL 2 ELECTRIC VEHICLE CHARGER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CALIFORNIA ELECTRICAL CODE.

VEHICLE BATTERIES LISTED AS SUITABLE FOR CHARGING INDOORS WITHOUT VENTILATION.

MINIMUM SERVICE PANEL SIZE TO BE IN ACCORDANCE WITH THE RESIDENTIAL EV CHARGER GUIDELINES

EVCS INSTALLATION EXAMPLE (1 TO 4 SPACES)

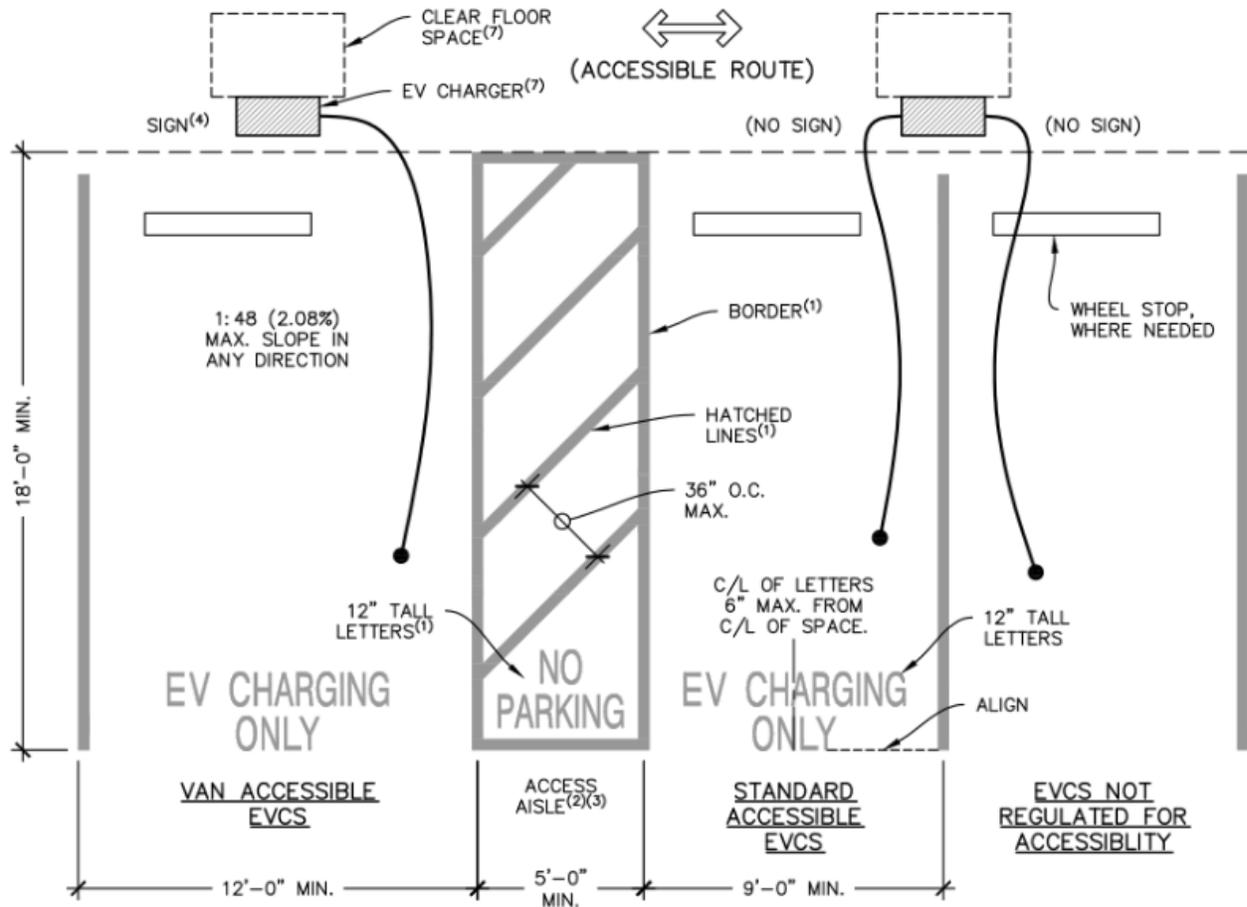
No ISA (International Symbol of Accessibility – blue placard) required,
accessible EVCS available to all.



ELECTRIC VEHICLE CHARGING STATION (1 - 4 SPACES)

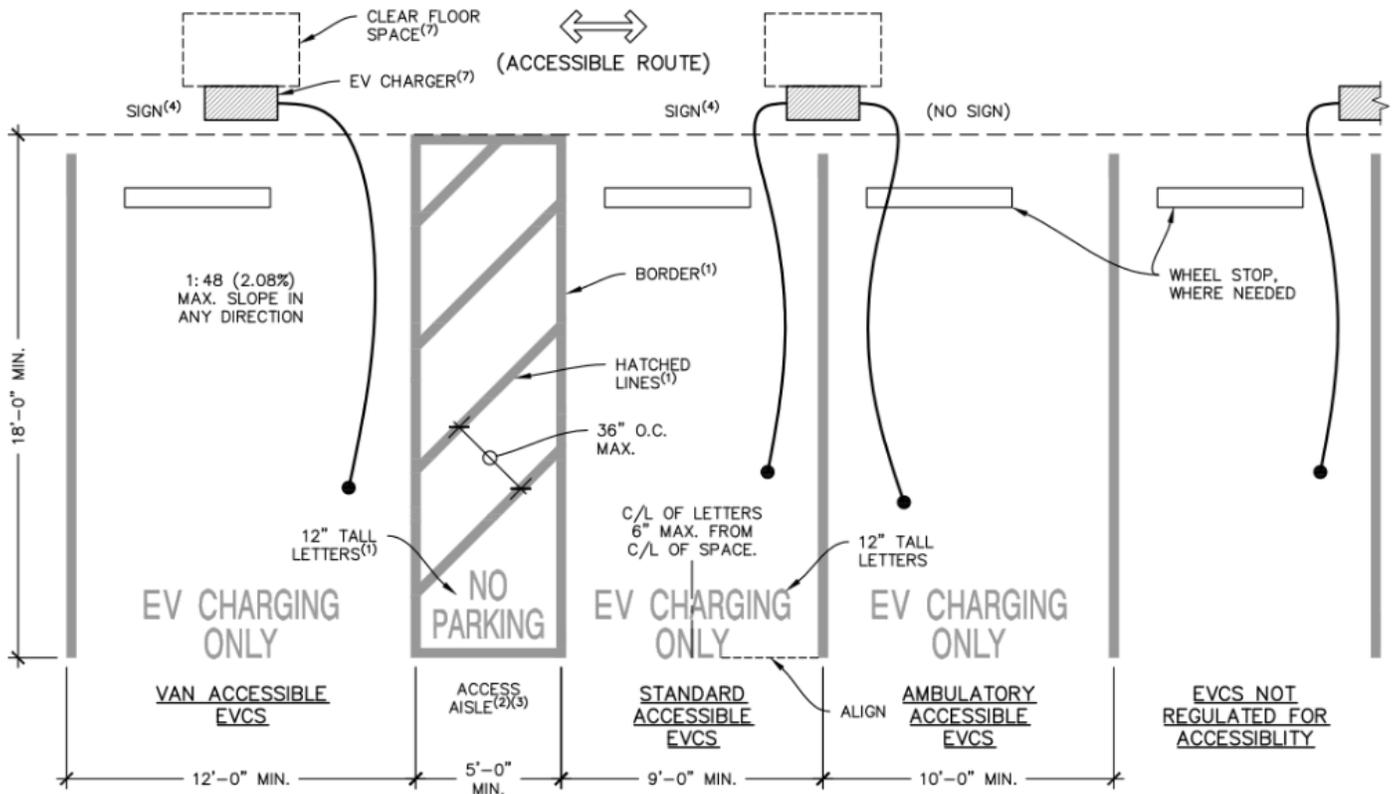
1. THE COLOR OF BORDER LINES, HATCHED LINES, AND LETTERS SHALL CONTRAST THE SURFACE OF THE ACCESS AISLE. THE BLUE COLOR REQUIRED FOR ACCESSIBLE PARKING SHALL NOT BE USED, EXCEPT WHERE ACCESSIBLE EVCS AND PARKING SPACES SHARE A COMMON ACCESS AISLE.
2. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE SPACE THEY SERVE AND SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL NOT HAVE CHANGES IN LEVEL OR SLOPES EXCEEDING 1:48 (2.08%).
3. ACCESS AISLES SHALL BE ON THE PASSENGER SIDE OF VAN ACCESSIBLE SPACES. WHERE FOUR OR FEWER TOTAL EVCS ARE PROVIDED IN A FACILITY, THE ACCESS AISLE FOR NON-ANGLED VAN ACCESSIBLE SPACES MAY BE LOCATED ON EITHER SIDE OF THE VEHICLE SPACE. ACCESS AISLES ARE PERMITTED ON EITHER SIDE OF STANDARD SPACES. ACCESS AISLES SHALL EXTEND THE FULL REQUIRED LENGTH OF THE SPACES THEY SERVE.
4. WHERE REQUIRED, SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE VEHICLE SPACE OR WITHIN THE PROJECTED VEHICLE SPACE WIDTH AT THE HEAD END OF THE VEHICLE SPACE. SIGNS MAY ALSO BE PERMANENTLY POSTED ON A WALL AT THE INTERIOR END OF THE VEHICLE SPACE.
5. WHERE VEHICLE SPACES AND ACCESS AISLES ARE MARKED WITH LINES, MEASUREMENTS SHALL BE MADE TO THE CENTERLINE OF THE MARKINGS. WHEN NOT ADJACENT TO ANOTHER VEHICLE SPACE, PARKING SPACE, OR ACCESS AISLE, MEASUREMENTS MAY INCLUDE THE FULL WIDTH OF THE MARKING.
6. VEHICLE SPACES, ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 98" MINIMUM.
7. ALL EV CHARGERS SHALL HAVE ACCESSIBLE OPERABLE PARTS.

EVCS INSTALLATION EXAMPLE (5 TO 25 SPACES)



1. THE COLOR OF BORDER LINES, HATCHED LINES, AND LETTERS SHALL CONTRAST THE SURFACE OF THE ACCESS AISLE. THE BLUE COLOR REQUIRED FOR ACCESSIBLE PARKING SHALL NOT BE USED, EXCEPT WHERE ACCESSIBLE EVCS AND PARKING SPACES SHARE A COMMON ACCESS AISLE.
2. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE SPACE THEY SERVE AND SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL NOT HAVE CHANGES IN LEVEL OR SLOPES EXCEEDING 1:48 (2.08%).
3. ACCESS AISLES SHALL BE ON THE PASSENGER SIDE OF VAN ACCESSIBLE SPACES. WHERE FOUR OR FEWER TOTAL EVCS ARE PROVIDED IN A FACILITY, THE ACCESS AISLE FOR NON-ANGLED VAN ACCESSIBLE SPACES MAY BE LOCATED ON EITHER SIDE OF THE VEHICLE SPACE. ACCESS AISLES ARE PERMITTED ON EITHER SIDE OF STANDARD SPACES. ACCESS AISLES SHALL EXTEND THE FULL REQUIRED LENGTH OF THE SPACES THEY SERVE.
4. WHERE REQUIRED, SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE VEHICLE SPACE OR WITHIN THE PROJECTED VEHICLE SPACE WIDTH AT THE HEAD END OF THE VEHICLE SPACE. SIGNS MAY ALSO BE PERMANENTLY POSTED ON A WALL AT THE INTERIOR END OF THE VEHICLE SPACE.
5. WHERE VEHICLE SPACES AND ACCESS AISLES ARE MARKED WITH LINES, MEASUREMENTS SHALL BE MADE TO THE CENTERLINE OF THE MARKINGS. WHEN NOT ADJACENT TO ANOTHER VEHICLE SPACE, PARKING SPACE, OR ACCESS AISLE, MEASUREMENTS MAY INCLUDE THE FULL WIDTH OF THE MARKING.
6. VEHICLE SPACES, ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 98" MINIMUM.
7. ALL EV CHARGERS SHALL HAVE ACCESSIBLE OPERABLE PARTS.

EVCS INSTALLATION EXAMPLE (26 TO 50 SPACES)



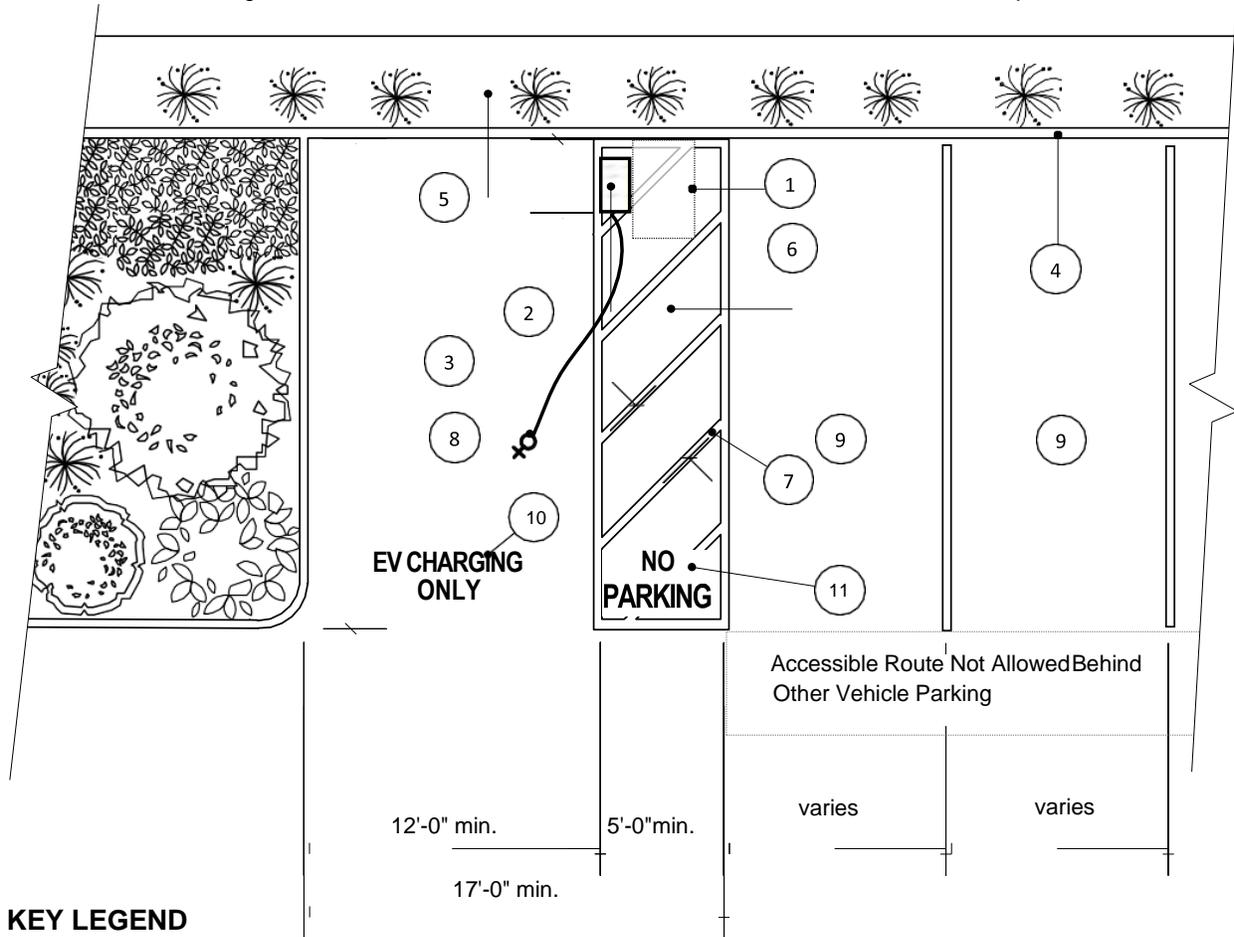
ELECTRIC VEHICLE CHARGING STATION (26 - 50 SPACES)

1. THE COLOR OF BORDER LINES, HATCHED LINES, AND LETTERS SHALL CONTRAST THE SURFACE OF THE ACCESS AISLE. THE BLUE COLOR REQUIRED FOR ACCESSIBLE PARKING SHALL NOT BE USED, EXCEPT WHERE ACCESSIBLE EVCS AND PARKING SPACES SHARE A COMMON ACCESS AISLE.
2. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE SPACE THEY SERVE AND SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL NOT HAVE CHANGES IN LEVEL OR SLOPES EXCEEDING 1:48 (2.08%).
3. ACCESS AISLES SHALL BE ON THE PASSENGER SIDE OF VAN ACCESSIBLE SPACES. WHERE FOUR OR FEWER TOTAL EVCS ARE PROVIDED IN A FACILITY, THE ACCESS AISLE FOR NON-ANGLED VAN ACCESSIBLE SPACES MAY BE LOCATED ON EITHER SIDE OF THE VEHICLE SPACE. ACCESS AISLES ARE PERMITTED ON EITHER SIDE OF STANDARD SPACES. ACCESS AISLES SHALL EXTEND THE FULL REQUIRED LENGTH OF THE SPACES THEY SERVE.
4. WHERE REQUIRED, SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE VEHICLE SPACE OR WITHIN THE PROJECTED VEHICLE SPACE WIDTH AT THE HEAD END OF THE VEHICLE SPACE. SIGNS MAY ALSO BE PERMANENTLY POSTED ON A WALL AT THE INTERIOR END OF THE VEHICLE SPACE.
5. WHERE VEHICLE SPACES AND ACCESS AISLES ARE MARKED WITH LINES, MEASUREMENTS SHALL BE MADE TO THE CENTERLINE OF THE MARKINGS. WHEN NOT ADJACENT TO ANOTHER VEHICLE SPACE, PARKING SPACE, OR ACCESS AISLE, MEASUREMENTS MAY INCLUDE THE FULL WIDTH OF THE MARKING.
6. VEHICLE SPACES, ACCESS AISLES AND VEHICULAR ROUTES SERVING THEM SHALL PROVIDE A VERTICAL CLEARANCE OF 98" MINIMUM.
7. ALL EV CHARGERS SHALL HAVE ACCESSIBLE OPERABLE PARTS.

Example Image Courtesy of [acesstoolkit.com](https://www.accesstoolkit.com)

SINGLE ELECTRIC VEHICLE CHARGING STATION CONFIGURATION FOR AN EXISTING COMMERCIAL FACILITY OR PUBLIC ACCOMMODATION

CA Building Code Sections 11B-202.4 No. 10, 11B-228.3, and 11B-812 for additional requirements.



KEY LEGEND

1. 30" x 48" clear floor space, 2% in all directions for parallel approach. CBC 11B-302, CBC 11B-812.3
2. EVCS coupling (nozzle/connector) and conductor
3. Reference Electric Vehicle Charging Station (EVCS) Scoping CBC 11B-228.3, Technical CBC 11B-812 for requirements, and Scoping CBC 11B-202.4 #10
4. Curb
5. No international Symbol of Accessibility (ISA) sign or "Van Accessible" sign is required. CBC 11B-802.8
6. 60" (5-foot) minimum width access aisle located on the passenger side of a van accessible EVCS and at the same level as the EVCS space it serves. CBC 11B-812.7
7. Contrasting border and 36" maximum on center diagonal hatched lines designation the access aisle. Access aisle borderlines and hatched lines for EVCS spaces shall not be blue. CBC 11B-812.7.2
8. 144" (12-feet) wide by 216" (18-feet) long van accessible EVCS space (ISA sign and "Van Accessible" sign not required). CBC 11B-812.6.1, CBC 11B-812.8
9. Parking space not regulated by CBC 11B-812.
10. 12" high "EV CHARGING ONLY" surface marking at the end of each EVCS space. CBC 11B-812.9
11. 12" high "NO PARKING" surface marking within the access aisle. CBC 11B-812.7.3

This detail is typically used when the accessible route continues into and through a parking lot. EVCS access aisles that serve a particular building or facility shall be located on an accessible route to an entrance. 11B-802.5