

# As-Built Electrical Permit Set (Mock)

As-Built v1 | Date: 2026-03-22 (mock)

EV Charging Site Project — Phase 7 Outputs (MOCK)

This compiled PDF represents the as-built drawing set. In this mock package, it is represented by an as-built cover plus the approved revised permit set, with field redlines and EMS configuration appended as supporting evidence.

## As-built change summary (mock):

- Updated EVSE labeling to reflect as-installed identifiers.
- Updated EMS monitoring point label to match installed CT location.
- No change to approved managed-load intent; cap remains 250A.

MOCK / EXAMPLE ONLY

# **Revised Permit Drawing Set — Stamped (Rev 1) (Mock)**

Resubmission: 2026-02-12 | Rev 1 changes address C-01..C-04 (mock)

EV Charging Site Project — Phase 5 Outputs (MOCK)

This file represents the revised stamped permit set after incorporating AHJ plan-check comments. In this mock package, the revised set is represented by a revision cover plus the previously stamped set.

## **Revision summary (mock):**

- Rev 1: Added EMS narrative + fail-safe note and monitoring point label (C-01).
- Rev 1: Added fault current / minimum AIC basis statement (C-02).
- Rev 1: Expanded electrical notes for continuous load + labeling (C-03).
- Rev 1: Standardized EVSP-1 nomenclature across set (C-04).

MOCK / EXAMPLE ONLY

# **Stamped Permit Drawings (Mock)**

P4.1 | Stamp date: 2026-01-29 | Engineer-of-Record: Priya Shah, PE (mock)

EV Charging Site Project — Phase 4 Outputs (MOCK)

## **STAMP BLOCK (mock)**

Priya Shah, PE (mock)

CA PE ##### (mock)

Date: 2026-01-29

NOTE: This is not a real stamp. For mock documentation only.

This cover page is added to represent an EOR stamped set. The remainder of the set is the compiled P3.6 unstamped permit set (mock).

MOCK / EXAMPLE ONLY

# **Permit Drawing Set — Unstamped (Compiled) (Mock)**

P3.6

EV Charging Site Project — Phase 3 Outputs (MOCK)

This file represents the compiled unstamped electrical permit drawing set assembled from P3.1–P3.5. In a real project this compilation is performed under document control with sheet indexing and QA logs.

## **Included sheets (mock):**

- P3.1\_OneLine\_Prelim\_Unstamped\_2026-01-26.pdf
- P3.2\_SitePlan\_EVSE\_Locations\_Prelim\_2026-01-26.pdf
- P3.3\_Conduit\_Trenching\_Details\_ElectricalImpacting\_2026-01-26.pdf
- P3.4\_PanelSchedules\_Updated\_MDP\_and\_EVSP\_2026-01-26.pdf
- P3.5\_ElectricalNotes\_CodeSheets\_2026-01-26.pdf

MOCK / EXAMPLE ONLY

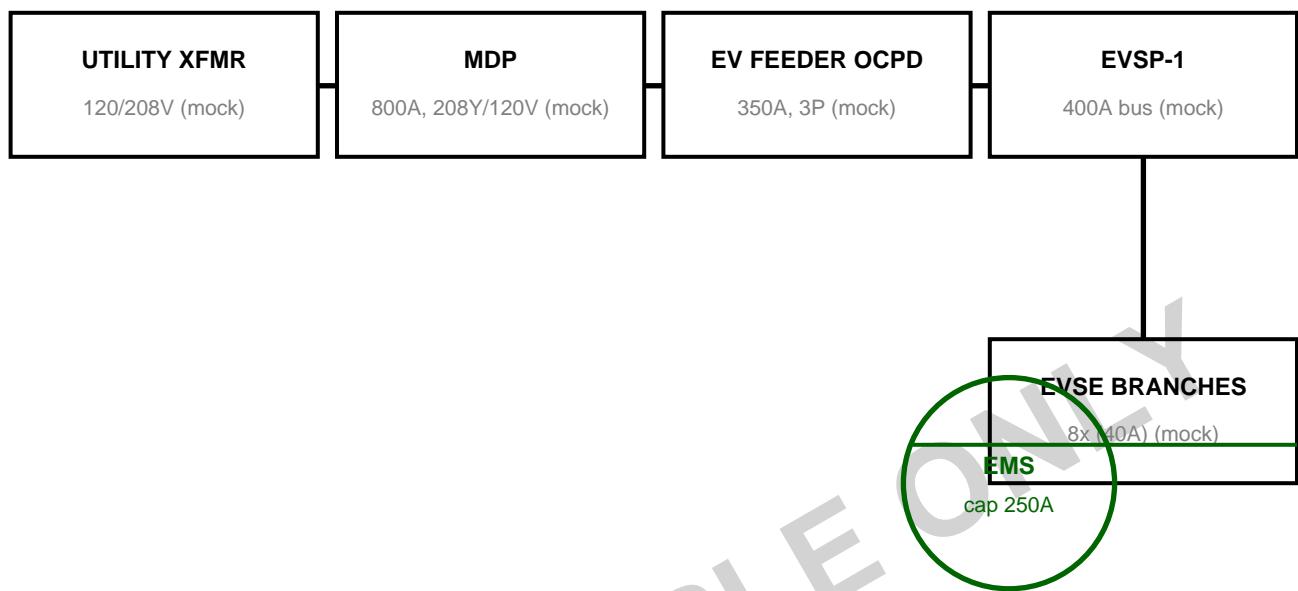
NOTE: This compilation is a mock artifact; replace with real CAD/PDF exports and stamps.

# E-001 — One-Line Diagram (Preliminary, Unstamped) (Mock)

P3.1

EV Charging Site Project — Phase 3 Outputs (MOCK)

## ONE-LINE DIAGRAM (mock)



### NOTES (mock):

1. Existing service basis: 800A, 208Y/120V, 3Ø (verify in Phase 1 evidence).
2. EVSE loads treated as continuous; branch OCPD basis 40A per 32A continuous (mock).
3. EMS/load management shown to cap aggregate EV demand to ≤250A (mock basis).
4. Final conductor sizing, AIC, and coordination to be confirmed in stamped set.

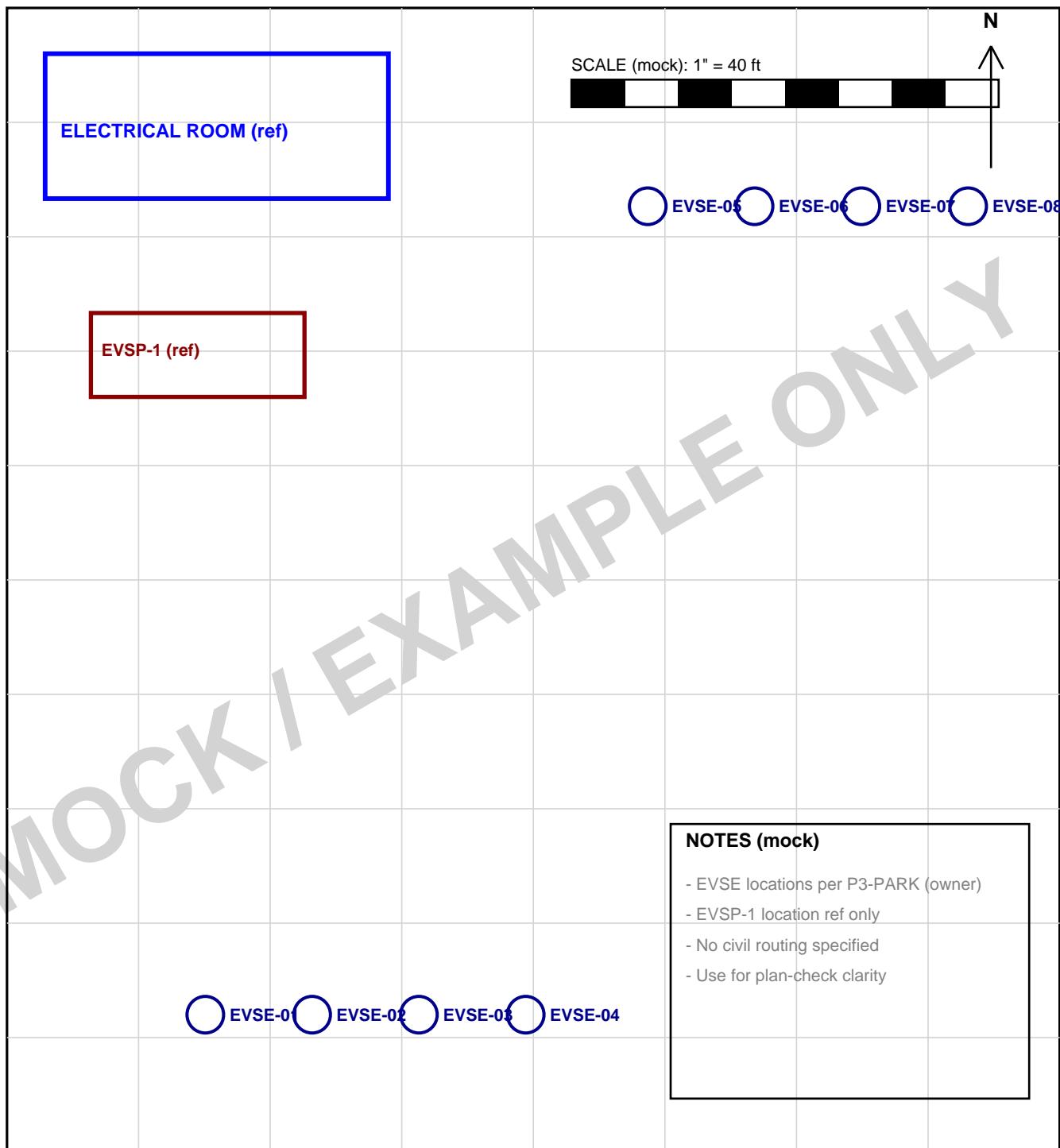
<b>PROJECT (mock):</b> EV Charging Site Project	<b>SHEET:</b> E-001	<b>ISSUED FOR:</b>
<b>SHEET TITLE:</b> One-Line Diagram (Preliminary)	<b>REV:</b> 0	<b>UNSTAMPED</b>
<b>ADDRESS:</b> Place (Palo Alto, CA) (mock)	<b>DATE:</b> 2026-01-26	(electrical-only)

# E-002 — Site Plan with EVSE Locations (Preliminary) (Mock)

P3.2

EV Charging Site Project — Phase 3 Outputs (MOCK)

## GARAGE PLAN — EVSE LOCATION OVERLAY (mock)



<b>PROJECT (mock):</b> EV Charging Site Project	<b>SHEET:</b> E-002	<b>ISSUED FOR:</b>
<b>SHEET TITLE:</b> Site Plan — EVSE Locations	<b>REV:</b> 0	<b>UNSTAMPED</b>
<b>ADDRESS:</b> Place (Palo Alto, CA) (mock)	<b>DATE:</b> 2026-01-26	(electrical-only)

# E-003 — Conduit & Trenching Details (Electrical-Impacting) (Mock)

P3.3

EV Charging Site Project — Phase 3 Outputs (MOCK)

This sheet documents electrical-impacting routing assumptions, transition points, and typical details. It is not a civil/constructability plan.

## DETAIL 1 — Feeder Path (mock)

MDP → EVSP-1 assumed path length: 165 ft (basis)

## DETAIL 2 — Typical Raceway Notes (mock)

- Raceway sized per NEC/CEC Chapter 9 (mock).
- Parallel conductors permitted as designed (mock).
- Provide EGC with feeder conductors.
- Maintain separation from comms wiring (as applicable).

## DETAIL 3 — EVSE Branch Typical (mock)

- Branch: 40A OCPD for 32A continuous (mock basis).
- Conductor sizing per terminal temp rating + derating.
- Provide disconnecting means as required by code/AHJ.
- Label EVSE circuit ID at equipment and panel.

## DETAIL 4 — Grounding/Bonding Intent (mock)

- Bond raceways where required (mock).
- EGC sized per code basis (final by EOR).
- Panel ground bars bonded to GES (reference).
- Provide bonding jumpers at transitions.

**PROJECT (mock):** EV Charging Site Project

**SHEET TITLE:** Conduit & Trenching Details (Electrical-Impacting)

**ADDRESS:** Place (Palo Alto, CA) (mock)

**SHEET:** E-003

**REV:** 0

**DATE:** 2026-01-26

**ISSUED FOR:**

UNSTAMPED  
(electrical-only)

# E-004 — Updated Panel Schedules (MDP + EVSP-1) (Mock)

P3.4

EV Charging Site Project — Phase 3 Outputs (MOCK)

## MDP — Updated (excerpt) (mock)

Slot	Breaker	Load	Notes
40/42/44	350A 3P	EVSP-1 feeder	Managed to 250A (mock)
17	200A 3P	SUBP-1	Existing
57	Spare	Spare/Space	Available 3-pole

## EVSP-1 — New (excerpt) (mock)

Slot	Breaker	Load	Notes
1	40A 3P	EVSE-01	32A cont (mock)
2	40A 3P	EVSE-02	32A cont (mock)
3	40A 3P	EVSE-03	32A cont (mock)
4	40A 3P	EVSE-04	32A cont (mock)
5	40A 3P	EVSE-05	32A cont (mock)
6	40A 3P	EVSE-06	32A cont (mock)
7	40A 3P	EVSE-07	32A cont (mock)
8	40A 3P	EVSE-08	32A cont (mock)

NOTE: schedules are mock excerpts; full schedules included per P1 evidence in real project.

<b>PROJECT (mock):</b> EV Charging Site Project	<b>SHEET:</b> E-004	<b>ISSUED FOR:</b>
<b>SHEET TITLE:</b> Panel Schedules (MDP + EVSP-1)	<b>REV:</b> 0	<b>UNSTAMPED</b>
<b>ADDRESS:</b> Place (Palo Alto, CA) (mock)	<b>DATE:</b> 2026-01-26	(electrical-only)

# E-005 — Electrical Notes & Code Sheet (Mock)

P3.5

EV Charging Site Project — Phase 3 Outputs (MOCK)

## GENERAL NOTES (electrical-only, mock)

1. Applicable code basis: 2022 California Electrical Code (CEC) (mock). Verify AHJ amendments.
2. EVSE loads treated as continuous; size OCPD and conductors accordingly (125% basis).
3. EMS/load management (if used) shall be listed and configured to enforce aggregate cap (mock: 250A).
4. Provide identification labeling for EV equipment and circuits; coordinate with panel schedules.
5. Provide grounding and bonding per code; bond raceways as required.
6. Verify available fault current and minimum AIC ratings in final stamped set.

## SYMBOLS / LEGEND (mock)

 EVSE location marker

 EMS / Load management annotation

**PROJECT (mock):** EV Charging Site Project  
**SHEET TITLE:** Electrical Notes & Code Sheet  
**ADDRESS:** Place (Palo Alto, CA) (mock)

**SHEET:** E-005

**REV:** 0

**DATE:** 2026-01-26

**ISSUED FOR:**  
UNSTAMPED  
(electrical-only)

# Field Redlines — Electrical (Mock)

Collected: 2026-03-18 (mock) | Sources: electrician + installer  
EV Charging Site Project — Phase 7 Inputs (MOCK)

This document represents mock field redlines used to produce the as-built drawing set. Replace with real redlined drawings and photo references.

**REDLINE (mock): EVSP-1 label verified; breaker position adjusted to match field label.**

**REDLINE (mock): EMS monitoring point label updated to match installed CT location.**

**REDLINE (mock): EVSE-03/EVSE-04 swapped due to field layout constraint (labeling updated).**

MOCK / EXAMPLE ONLY

# EMS Configuration Summary — As Installed (Mock)

Export date: 2026-03-21 (mock) | Setpoint: 250A cap

EV Charging Site Project — Phase 7 Outputs (MOCK)

This document represents a mock EMS configuration export suitable for inspection support and closeout records.  
Replace with actual vendor export and listing evidence.

## Configuration fields (mock):

Aggregate cap setpoint:	250A
Monitoring point:	EV feeder CTs at EVSP-1 feeder
Fail-safe mode:	Cap enforced on comms loss
Ports managed:	8
Export hash (mock):	CFG-20260321-250A-REV1

MOCK / EXAMPLE ONLY