

April 3, 2025

Request for Proposals

Madrona Clean Fleet Depot

Proposals Due: Wednesday, April 30, 2025
5pm PST

Submit Proposals to: Rachel Maas
Rachel.maas@ccconcern.org

Refer Questions to: Rachel Maas
Rachel.maas@ccconcern.org
971-244-5023



CENTRAL CITY
CONCERN

HOMES HEALTH JOBS

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Invitation

Central City Concern (“CCC”) invites qualified firms to submit a proposal for Electric Vehicle Supply Equipment (EVSE) Installation services. CCC will contract directly with the selected firm for this project.

In order to ensure a fair review and selection process, respondents submitting proposals are specifically requested not to make contact with CCC’s team except as authorized herein. Failure to comply with this request may result in disqualification.

Instructions

Please complete and submit the Notice of Intent to Bid as soon as practicable, but no later than Wednesday, April 16, 2025 by 5pm. Respondents may submit questions until the deadline, however, CCC will only publish answers from other respondents to those respondents who have completed and submitted the Notice of Intent to Bid by the deadline below.

Proposals must be submitted by the deadline and be organized as outlined below. Respondents must also submit the Proposal Form with their proposal. Failure to submit the Proposal Form may result in CCC’s rejection of respondent’s submitted offer.

Attachments

- Attachment 1: Proposal Form
- Attachment 2: Sample Professional Services Agreement
- Attachment 3: Notice of Intent to Bid
- Attachment 4: PCEF Workforce and Contractor Equity Requirements
- Attachment 5: Pacific Power EPRI Approved Charger List
- Attachment 6: Pacific Power Fleet Make Ready FAQ’s
- Attachment 7: ODOT’s EPRI Approved Charger List
- Attachment 8: ODOT CCR Detailed Eligibility Requirements
- Attachment 9: Madrona Parking Garage Drawings
- Attachment 10: Peak Load Study

RFP Schedule

| | | |
|-----------------------------|----------------------------------|-------------------|
| RFP issued | Thursday, April 03, 2025 | - |
| RSVP for Project tour due | Monday, April 07, 2025 | 3:00 p.m. |
| Project tour (optional) | Tuesday, April 08, 2025 | 10:00 a.m. |
| Notice of Intent to Bid due | Wednesday, April 16, 2025 | 5:00 p.m. |

| | | |
|------------------------------|-------------------------------------|------------------|
| Deadline to submit questions | Wednesday, April 23, 2025 | 5:00 p.m. |
| Proposals due | Wednesday, April 30, 2025 | 5:00 p.m. |
| Interviews (optional) | Week of Monday, May 05, 2025 | TBD |
| Notice of award issued | Friday, May 09, 2025 | - |

Project Tour [Optional]

CCC will offer respondents a tour of the project site on Tuesday, April 08, 2025 at 10:00 a.m. The tour is optional and will only be provided to respondents who RSVP. Please send your RSVP to Rachel Maas at Rachel.maas@ccconcern.org by Monday, April 07, 2025 at 3:00 p.m. if you wish to attend.

Question Submission

Questions pertaining to this Request for Proposal (“RFP”) must be communicated in writing and be received via email by Wednesday, April 23, 2025, at 5:00 p.m. (Pacific time). Questions must be sent to the contact designated on the title page of this RFP and should include a reference to the appropriate page and section of this RFP. CCC may publish portions of any of these communications in order to provide other potential respondents the benefit of any clarifications.

Interviews [Optional]

Following its evaluation of the submitted proposals, CCC may opt to interview and/or request a product demonstration from one or more respondents. By submitting a proposal, respondent agrees to participate in an interview, or provide a product demonstration, at a mutually agreeable time during the Interview week identified above in the Schedule.

CCC Overview

CCC is a 501(c)(3) nonprofit agency serving single adults and families in the Portland metro area who are impacted by homelessness, poverty and addictions. Founded in 1979, the agency has developed a comprehensive continuum of affordable housing options integrated with direct social services including healthcare, recovery and employment. CCC currently has a staff of 1,200, an annual operating budget of \$133 million and serves more than 13,000 individuals annually.

CCC has an organizational commitment to Climate Action which we believe strengthens, protects and amplifies our mission of ending homelessness. The project scope outlined here is a part of our ongoing pledge to protect environmental resources, lower greenhouse gas emissions, and decrease vulnerability to the ecological and economic hazards of climate change.

Scope of Work

Project Background

This project is a first step towards CCC’s goals of decarbonizing its fleet of 138 vehicles. CCC’s fleet directly contributes to its mission of ending homelessness and our plans to decarbonize reflect CCC’s commitment to ensuring a healthy, equitable and climate-safe future for all its clients and staff. This project will establish one of CCC’s properties, Madrona Studios, as its first EV-capable fleet hub by installing 26 level 2 charging ports capable of supporting up to 54 electric fleet vehicles.

Originally built in 1965, Madrona Studios is a five-story building with an underground parking garage located in the Lloyd District of NE Portland. CCC acquired the building and conducted a major renovation in 2010 converting it from a hotel to low-income housing.

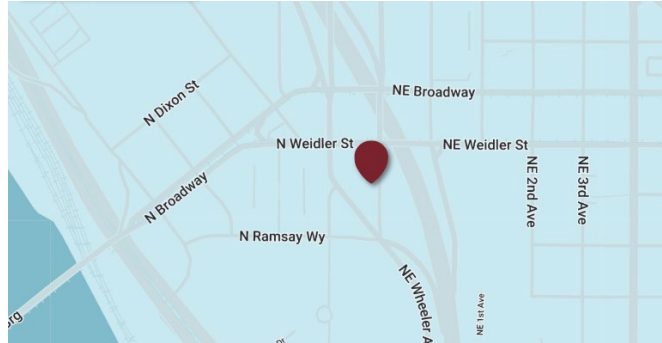
The underground parking garage that will serve as CCC’s Clean Fleet Depot is fully secured by FOB and its entrance is off NE Wheeler Ave. It has parking capacity for up to 54 fleet vehicles.

Building Owner: Central City Concern
232 NW 6th Ave
Portland, OR 97209

Project Site: Madrona Studios
10 N Weidler
Portland, OR 97227



Building Photo



Project Site Map

Project Details and Assumptions

Charger Product Selection

- As a baseline option for bidding purposes, you may assume **OpConnect OC-IC3-32A-H chargers with OpConnect Network**. OpConnect is a charger/network that CCC is familiar with and since Opconnect is a COBID certified company, purchasing from them helps to achieve our DMWESB utilization goals.
- However, we are open to recommendations and bids including any charger and any network that is on the approved EPRI lists for both Pacific Power and ODOT (per March 19, 2025 updated lists). See attachments included with this RFP which include Approved Product Lists for both Pacific Power and ODOT, each one highlighted with products that are approved by both entities.
- We ask that you clearly outline in a comparison table any alternate recommendations you have for EVSE equipment and/or network providers and reasons for the recommendation, including for example: key features, cost advantage, performance, reliability, ease of installation, quality of network service etc. We are learning the pros and cons of different equipment and networks and are eager to learn from our chosen contractor as the expert in this area.

Charger Configuration and Layout

- We are open to multiple possible configurations and layouts of chargers in the garage, including both dual port and single port layouts. We presume that the most efficient approach will be to supply mostly dual port chargers surface-mounted along the perimeter concrete walls of the garage. We are open to other cost efficient or innovative solutions for meeting our charging needs for a future fleet of 54 EV’s.

- We ask that you submit a high-level sketch along with your proposal indicating the approximate layout of dual port and single port chargers and locations of protective bollards.
- At minimum, provide EV charging to at least one of the three existing ADA parking stalls.
- Chargers must support load management strategies that allow for dynamic power allocation between dual-port chargers. The proposed solution should enable Smart Charging Priority, meaning the system should be capable of prioritizing one vehicle over another based on battery state-of-charge, scheduled departure time, or fleet operational needs.
- Bidders should specify whether the proposed chargers support Adaptive Load Balancing to optimize power distribution and ensure fleet vehicles are efficiently charged without exceeding the available electrical capacity.
- We prefer that chargers and networks allow for remote monitoring and management, giving fleet managers the ability to adjust charging priorities as needed.

Electrical Capacity and Utility Coordination

- Based on results of a 1-month Peak Load Study (see attachment 10) conducted in June of 2023 as well as information we have to date from Pacific Power (the utility serving this garage location), we believe the existing electrical service has capacity to support the addition of these 26 Level 2 Charging Ports and you may submit your proposal with this assumption in mind. That said, we have asked Pacific Power to complete an updated technical analysis for this project to confirm our assumptions which is still underway. We expect to have that technical analysis available in mid-April and will share the results along with any necessary changes to project scope via the FAQ process.

CCC Fleet Electrification Plan:

- CCC currently has 138 vehicles in its fleet. We have 3 EV's in the fleet currently and are actively working to electrify the rest. As part of this project, we will be replacing at least 4 more ICE (internal combustion engine) vehicles with EV's which will be parked in the Madrona garage once commissioning for the EVSE installation is complete. Eventually we expect all 54 vehicles housed at the Madrona will be converted to electric. These 54 vehicles are a combination of utility vans, pickup trucks, minivans, sedans, small SUVs. Each of these travels an average of 30 miles per day.

Wage Rates:

- We expect hard construction costs for this project to be less than \$350k which is the PCEF required threshold for use of prevailing wage. Therefore, prevailing wage requirements will not apply to this project.
- However, PCEF has a separate Family Wage Requirement whereby all employees and workers of grantee and grantee's contractors and subcontractors shall be paid at least **180% of relevant state minimum wage** for time worked on the PCEF funded project.

Funder Requirements

- PCEF: See Workforce and Contractor Equity Agreement (attachment 4)
- Pacific Power: See Pacific Power Fleet Make Ready FAQ (attachment 6)
- ODOT: See ODOT CCR Detailed Eligibility Requirements (attachment 8)

Apprentice & Trainee Diversity

While there is no formal requirement for apprenticeship hours worked by women and people of color on this project, Central City Concern (CCC) strongly supports the use of apprentices and encourages workforce diversity on all its projects. We are committed to building strong connections between green industries and equitable employment opportunities.

To support contractors and subcontractors in meeting their own apprenticeship and workforce diversity goals, CCC invites you to engage with our **Employment Access Center**, which offers job training and employment connections for CCC clients.

If you're interested in recruiting a diverse workforce through this program, please contact Chase Bissett at chase.bissett@ccconcern.org or visit our website [\[HERE\]](#) to learn more about our recruitment and prescreening processes and to discuss your staffing needs.

Services and Deliverables

EV Charging

1. Provide and Install 26 EV charging ports capable of supporting an electrified fleet hub for 54 vehicles.
2. Provide commissioning for 26 Level 2 charging ports.
3. Provide and install deterrent bollards to protect EV chargers.
4. Provide and install signage for EV parking stalls.
5. Include 3 years of prepaid network services to be paid in advance.
6. Include 5 year maintenance service agreement and extended equipment/parts warranty.

Electrical

1. Provide and install all electrical equipment, switchgear, panelboards, pathways, conduit runs etc as needed to support the requested EV charging equipment.
 - a. Note that Pacific Power requires EV chargers to be tied their own meter capable of reporting directly to the utility and designed to track overall energy usage. Connecting the project to a project to an existing meter panel will make the project ineligible for funding.
2. Provide concrete coring to create pathways between electrical room and parking garage
3. Complete electrical design drawings for review and approval by CCC and project funders.
4. Provide electrical permits.

Quarterly Workforce Reporting

1. As detailed in Attachment 4 (PCEF Workforce and Contractor Equity Requirements), Contractor must submit Quarterly Workforce Reporting. Information on all workers, contractors and subcontractors on PCEF projects shall be entered into PCEF furnished template four times per year along with other project reporting.
2. Information reported for each worker includes: job title, hours worked, hourly wage earned, benefits received, and race, ethnicity and gender demographics.

Submission Requirements

Proposals must conform to all requirements stated below and elsewhere in this RFP. Disregarding these requirements may result in disqualification of the proposal. Before submitting a proposal, respondent shall familiarize itself with the entire RFP, including Scope of Work, Proposal Form, and all laws, regulations and other factors affecting performance of the Scope of Work. Respondent shall be responsible for fully understanding the requirements of a subsequent contract and otherwise satisfy itself as to the expense and difficulties accompanying the fulfillment of the Scope of Work.

The submission of a proposal will constitute a representation of compliance by respondent. There will be no subsequent financial adjustment for lack of such familiarization.

Respondent is responsible for delivery of its proposal by the deadline, notwithstanding any claims of error or failure to perform by email systems. In the event of closures due to inclement weather, emergency, or any published event, solicitation closings will automatically be moved to the next business day.

Method for Submitting Proposals

The deadline for receipt of proposals is Wednesday, April 30, 2025, at 5:00 p.m. Pacific time. All submissions must be emailed to Rachel.maas@cccconcern.org with a read receipt enabled.

All proposals submitted must be received by the submittal deadline. Proposals received after the deadline may be accepted by CCC in its sole discretion.

Proposal Organization

Proposal Form

All proposals must include the complete Proposal Form signed by a person authorized to commit respondent to a potential contract with CCC.

Firm Overview and Qualifications

Respondent must describe its industry competence and specialization in installation of EV charging equipment. The proposal must describe respondent's qualifications to provide the requested product and/or services, relevant experience of the team who will be assigned to CCC, and level of involvement of key partners and managers.

Contractor Workforce Demographics

- **COBID Certification:** Please indicate the percentage of hard and soft costs in your proposal that may be contracted to businesses certified by the Oregon Certification Office for Business Inclusion and Diversity (COBID) as Disadvantaged Business Enterprises (DBE), Minority-Owned Business Enterprises (MBE), Woman Owned Business Enterprises (WBE), Emerging Small Businesses (ESB), or Service-Disabled Veteran-Owned Business Enterprises (SDVBE).
- **COBID Self-Attestation:** Please indicate if your firm is a non-profit or non-COBID certified business that is able to demonstrate majority ownership and leadership by women, people of color, people with disabilities, the chronically underemployed, or other historically disadvantaged populations. Defined as follows:

- Registered with the Oregon Secretary of State
- Gross annual receipts (3-year average) do not exceed \$23.98 million
- Control and management of day-to-day operations is led by persons from the defined population
- For non-profit organizations, demographics of the Board of Directors and executive staff are 51% or greater of the defined populations.
- For Businesses – ownership of 51% or greater is held by persons from the defined populations, and owner is not an owner or partial owner of other construction/ construction-related firms.
- CCC has a goal of awarding 20% of project costs to DMWESB firms (either COBID certified or self-attested) and will award extra points to proposal that can meet or exceed this goal.
- Demographic information for the selected contractor and any subcontractors will need to be updated and reported quarterly.

References

Respondent must provide at least one (1), but not more than three (3) project references.

Proposed Cost Structure

Respondent must include a detailed cost proposal (description of pricing structure) for all services, including any ongoing fees. At minimum:

- Break out costs according to the following line items:
 1. EV Charging Equipment
 2. EV Charging Equipment installation costs, including labor and materials
 3. Planning and Engineering design costs
 4. Electrical equipment installation and service costs, including labor and materials
 5. Project signage
 6. Protective bollards for EV chargers
 7. Local permitting costs
 8. Prepaid network agreement with network provider (3 years)
 9. Maintenance contract and extended warranty (5 years)
- Breakout costs for any alternates including:
 - EV charging equipment other than OpConnect
 - Prepaid network agreements with network providers other than OpConnect

Layout/Configuration Sketch

We ask that you submit a high-level sketch along with your proposal indicating the approximate layout of dual port and single port chargers and proposed locations of protective bollards.

Financial References

Should the value of your proposal exceed \$100,000, respondent must also provide a copy of its most recent audited financial statement.

Subcontractors

If respondent intends to use subcontractors in the performance of the services, respondent must provide the name, address, CCB License #, qualifications and criteria used by respondent to select the

third party, and the intended services to be performed. The services provided under the Scope of Work, in part or in whole, shall not be subcontracted or assigned without prior written permission of CCC. Please indicate DMWESB status of any subcontractors selected to perform work.

Respondent Documentation

Respondent must provide samples of any documentation or forms that it will request that CCC sign.

Exceptions Requested

Respondent must include a list of any exceptions to the requirements of this RFP that it would like CCC to consider. Each alternate or exception should be addressed separately and must include a reference to the specific requirement. If respondent has no requested exceptions, then a statement to that effect must be included in this section of the proposal. Any proposed terms and conditions, contracts, waivers, licenses, or agreements required by respondent should be included here with a brief explanatory introduction.

Project Milestone Schedule

Below is a CCC's proposed schedule of high-level project milestones and activities. Please confirm ability to meet these milestones or propose an alternative timeline with an explanation of your approach.

| | |
|-----------------------------------------|----------------------------|
| Contractor Selection (notice of award): | Thursday, April 3, 2025 |
| Contract Execution: | Friday, May 23, 2025 |
| Complete Permit Drawings: | Friday, June 6, 2025 |
| Permits Approved: | Friday, June 27, 2025 |
| Construction/Installation begins: | Monday, June 30, 2025 |
| Construction/Installation complete: | Friday, August 29, 2025 |
| Testing/Commissioning complete: | Friday, September 12, 2025 |

Evaluation Criteria

Evaluation of proposals received in response to this RFP will be conducted comprehensively, fairly and impartially. The evaluation committee of designated reviewers shall review and evaluate proposals. The committee will be composed of individuals with experience in, knowledge of, and responsibility for this project. Additional funders may participate in the selection process.

CCC reserves the right to use the evaluation criteria set out in this RFP or to make its selection and award decisions based, in whole or in part, on any and all additional or different factors and considerations that it chooses in its sole discretion. Nonetheless, in preparing proposals, respondents should make every effort to respond to the evaluation criteria set out in this section.

Selection will be based upon the following criteria:

1. Completeness of proposal.
2. Respondent's ability to meet contract terms;
3. Ability to meet schedule and schedule activities to respond to CCC requirements;
4. Ability to effectively recommend alternative solutions and ideas for cost effectiveness;

5. Competitive pricing: While cost is an important factor, we prioritize best-value contracting over lowest-bid selection to align with our inclusive contractor recruitment goals;
6. Innovative approach to services: We seek contractors who bring creative, efficient, and forward-thinking solutions to service delivery;
7. References, project examples and relevant experience;
8. Disadvantaged, Minority, Women and emerging Small Business (“DMWESB”) certification and/or intention to subcontract with DMWESB certified firms; and
9. Willingness to execute the form of contract referenced in Attachment 2, or a statement of exceptions, if any, that respondent has regarding the form of contract and identification of changes, if any, that respondent requests be made to the form of contract.

Terms and Conditions

1. General. This RFP is an invitation to submit a proposal and does not create a binding agreement. All materials submitted in response to this RFP will become the property of CCC.
2. Right to Accept or Reject. This RFP is not an agreement to purchase goods or services. CCC is not bound to enter into a contract with any qualified respondent. CCC reserves the right to modify the terms of this RFP at any time in its sole discretion. This includes the right to cancel or revise this RFP at any time. Further, CCC reserves the right to waive any nonconformity in submissions received, to accept or reject any or all of the items in the submission, and award any ultimate contract in whole or in part as it is deemed in CCC’s best interest.
3. Expenses. Respondent is solely responsible for its expenses in preparing a response and for any subsequent negotiations, including without limitation attorneys’ fees and other costs incurred in negotiation with CCC regarding the terms of the contract. CCC will not be liable, under any circumstances, to any Respondent for any claims, whether for costs or damages incurred by the respondent in preparing the response, loss of anticipated profit in connection with any final contract or any other matter whatsoever.
4. Representations. By submitting a proposal, respondent represents: (a) that it has read and understands the terms and conditions set out in this RFP, (b) that it agrees to be bound by all such terms and conditions except as explicitly and expressly stated otherwise in its proposal, (c) that it understands and acknowledges that its statement of any such exception may, in CCC’s discretion, result in CCC’s rejection of the firm’s proposal, and (d) that CCC in its discretion may accept the firm’s proposal as submitted without any negotiation, notwithstanding stated objections, or engage the firm in negotiations regarding one or more of its stated exceptions.
5. Proprietary Information. In the event that respondent includes in its proposal any information deemed “proprietary” or “protected,” such information shall be separately packaged from the balance of the proposal and clearly marked as to any proprietary claim. CCC discourages the submission of such information and undertakes to provide no more than reasonable efforts to protect the proprietary nature of such information. CCC cannot and does not warrant that proprietary information will not be disclosed. CCC shall have the right to use any and all information included in the proposal unless the information is expressly restricted by respondent.

Attachment 1: Proposal Form



Proposal Form

Failure of respondent to complete and sign this form may result in rejection of the submitted offer.

Project Title: _____

Company Name: _____

Oregon Construction Contractor Board (CCB) License #: _____

Address: _____

Authorized Representative: _____

The undersigned, having full knowledge of the specifications for the goods or services specified herein, offers and agrees that:

1. This offer shall be irrevocable for at least thirty (30) calendar days after the date offers are due or as stated in the solicitation, and if accepted, to furnish any and/or all goods or services as described herein at the prices offered and within the time specified.;
2. If selected for award, to enter into and execute a mutually agreeable Professional Services Agreement with Central City Concern governed by the laws of the State of Oregon, without giving effect to any conflict of law principal that would result in the laws of any other jurisdiction governing the contract;
3. It will obtain the required insurance, and will furnish such evidence as is required by Central City Concern;
4. This proposal has been arrived at independently and is being submitted without collusion with, and without any agreement, understanding or planned common course of action with any other consultant to limit independent bidding or competition; and
5. By submitting a proposal, respondent agrees and accepts the terms and conditions contained in this Proposal Form, the Request for Proposal, and any attachments or exhibits contained therein. Any exceptions to the terms and conditions, including but not limited to the Request for Proposal, must be clearly exchanged in writing and attached to the proposal. In the absence of written exceptions, Central City Concern will assume that respondent agrees to all terms and conditions, and will base its acceptance of respondent's bid on such assumption.

Further, respondent attests that:

1. The person signing this offer has the authority to submit an offer and to represent respondent in all phases of this procurement process;
2. The information provided herein is true and accurate;
3. Any false statement may disqualify this offer from further consideration or be cause for termination of any resulting contract; and
4. Respondent will notify Central City Concern within thirty (30) days of any change in the information provided on this form.

CERTIFICATION REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

Respondent certifies to the best of its knowledge and belief that neither it nor any of its principals:



1. Are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from submitting bids or proposals by any federal, state or local entity, department or agency;
2. Have within a five (5) year period preceding the date of this certification been convicted of fraud or any other criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) contract, embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are presently indicted for or otherwise criminally charged with commission of any of the offenses enumerated in paragraph 2 of this certification;
4. Have, with a five (5) year period preceding the date of this certification had a judgment entered against itself or its principals arising out of the performance of a public or private contract;
5. Have pending in any state or federal court any litigation in which there is a claim against contractor or any of its principals arising out of the performance of a public or private contract; and
6. Have with a five (5) year period preceding the date of this certification had one or more public contracts (federal, state, or local) terminated for any reasons related to contract performance.

CERTIFICATION REGARDING CONFLICT OF INTEREST

“Organizational conflict of interest” means that, because of other activities or relationships with other persons or firms, a contractor or consultant (including its principal participants, directors, proposed consultants or subcontractors) would be unable to render impartial, technically sound assistance or advice to Central City Concern; or the contractor’s or consultant’s objectivity in performing the work would or might be otherwise impaired. Respondent certifies to the best of its knowledge and belief that (CHOOSE ONE):

- Neither Respondent nor any of its principal participants and agents has any relationships with any firms or individuals that are or appear to be an organizational conflict of interest; OR
- Respondent has or has had the following relationships with the specific firm(s)/individual(s), identified below, which may be determined to be an organizational conflict of interest. Respondent understands that based on the information provided by respondent, Central City Concern may exclude respondent from further consideration and may withdraw its selection of the real or apparent organizational conflict of interest cannot be avoided or mitigated. Respondent further certifies that the degree and extent of the relationship of respondent with these named firm(s)/individual(s) have been fully disclosed below.

Where respondent is unable to certify to any of the statements in this certification, respondent shall attach an explanation to its offer. The inability to certify to all of the statements may not necessarily preclude respondent from award of a contract under this procurement.

SIGNATURE OF AUTHORIZED PERSON

Signature: _____ Date: _____

Attachment 2: Sample Professional Services Agreement

PROFESSIONAL SERVICES AGREEMENT

| | |
|----------------------------|----------------------------------------|
| Effective Date | DATE |
| Termination Date | DATE |
| Compensation Not to Exceed | VALUE |
| CCC Contact | Rachel Maas, Rachel.Maas@ccconcern.org |
| Contractor Contact | Contractor Contact, Contractor Email |

This PROFESSIONAL SERVICES AGREEMENT (“**Agreement**”) is entered into as of the Effective Date by and between Central City Concern, an Oregon nonprofit corporation located at 232 NW 6th Avenue, Portland, Oregon 97209 (“**CCC**”), and **CONTRACTOR**, a **STATE SOLE PROPRIETOR, LIMITED LIABILITY COMPANY, CORPORATION, NONPROFIT CORPORATION** located at **ADDRESS** (“**Contractor**”).

CCC and Contractor agree as follows:

1. **Term.** This Agreement shall be effective as of the Effective Date and shall remain in effect until the Termination Date or until the Agreement is terminated as provided herein, whichever occurs first (the “**Term**”). Contractor shall have a continuing obligation after the Term concludes to comply with any provision in this Agreement that is intended for CCC’s protection or benefit, or that, by its sense and context, is intended to survive the completion, expiration, or termination of this Agreement. **CONTRACTOR AGREES THAT NO WORK SHALL BEGIN UNDER THIS AGREEMENT UNTIL IT IS DULY SIGNED BY BOTH PARTIES.**
2. **Scope of Work.** Contractor shall perform all the services (“**Services**”) set forth in Addendum A, Scope of Work (“**SOW**”). The parties may, from time to time, agree to additional SOWs. Such SOWs will be numbered sequentially and signed by an authorized representative of each party. Changes to any SOW may only be made by written amendment signed by both parties. Contractor understands that time is of the essence in this Agreement and agrees to meet any milestones set forth an SOW.
3. **Consideration; Payment Terms.** The consideration for all Services (and goods, if any) performed or supplied by Contractor under this Agreement shall be paid by CCC as follows:
 - a. **Total Obligation.** CCC’s total obligation to Contractor under this Agreement, including compensation for goods, services, and reimbursable expenses, shall not exceed **VALUE** without the prior written approval of CCC. If expenses are reimbursable, each request for reimbursement must be itemized and accompanied by receipts. Requests for travel and subsistence expenses must be consistent with CCC’s travel policy, a copy of which may be obtained from CCC upon Contractor’s request, and shall clearly indicate prudent use of funds.
 - b. **Invoicing.** Contractor shall submit invoices in accordance with Addendum A.
 - c. **Payment Terms.** CCC will remit payment to Contractor within thirty (30) days of receipt of invoice if Contractor’s invoice is accurate and submitted timely to CCC. Payment of Contractor’s invoice(s) will not

remove Contractor's obligation to fully perform the Services in compliance with this Agreement. CCC will send payments to the address on Contractor's W-9, unless otherwise specified by Contractor. CCC may withhold up to one hundred fifty percent (150%) of the estimated cost to complete the Services or cure defects, and of the amount of any claims. CCC shall promptly notify Contractor if CCC plans to withhold payment or any portion thereof.

4. Addenda. The following Addenda are hereby incorporated into this Agreement:

| | |
|------------|----------------------------------------------|
| Addendum A | Scope of Work |
| Addendum B | General Terms and Conditions |
| Addendum C | Insurance Requirements |
| Addendum D | Contractor Code of Ethics and Compliance |
| Addendum E | Additional Construction Terms and Conditions |
| Addendum F | Special Conditions |

This Agreement and any Addenda are intended to be complementary. Whatever is called for in one is interpreted to be called for in all. However, in the event of conflicts or discrepancies among the documents, interpretations shall be based on the following order of precedence:

1. Business Associate Agreement (as applicable);
2. Contractor Code of Ethics and Compliance;
3. General Terms and Conditions;
4. Addenda, Amendments, and change orders, with those of a later date having precedence over those of an earlier date;
5. The Agreement;
6. Scope(s) of Work; and
7. All exhibits.

5. Insurance. Contractor shall secure at its own expense and keep in effect during the Term of this Agreement the types and amounts of insurance coverage required by Addendum C to this Agreement.

6. **Equal Opportunity**. Contractor and its subcontractor (if any) shall abide by the requirements of 41 CFR 60–1.4(a), 60–300.5(a) and 60–741.5(a). Those regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, those regulations require that covered prime contractors and subcontractors of covered prime contractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

7. Debarment and Suspension. As required by Executive Orders 12549 and 12689 and applicable Uniform Administrative Requirements regarding Debarment and Suspension, by its signature on this Agreement, Contractor certifies to the best of its knowledge and belief that neither it nor its principals: (a) are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency; (b) have within a three-year period preceding this transaction been convicted or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local)

transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) are presently indicted or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph 12(1)(b) of this certification; and (d) have within a three-year period preceding this Agreement had one or more public transactions (Federal, State, or local) terminated for cause or default. **Where Contractor is unable to certify any of the statements in this section, Contractor shall provide an explanation to CCC prior to starting Services.**

8. Conflict of Interest; Code of Ethics. Contractor represents that it has no undisclosed interest and shall not acquire any interest that would conflict with the performance of Services hereunder. Contractor further covenants that in the performance of the Services no person having any such undisclosed interest shall be employed to perform the Services. Contractor agrees to CCC's disclosure requirements, as further outlined in the *Central City Concern Contractor Code of Ethics and Compliance* document ("**Code of Ethics**"), contained in Addendum D and incorporated herein. By signing this Agreement, Contractor certifies that it has read, understands, and agrees to comply with the Code of Ethics in its entirety.

9. Independent Contractor Status. The Services to be rendered under this Agreement are those of an independent contractor. Contractor is not to be considered an agent or employee of CCC for any purpose, and neither Contractor nor any of Contractor's agents or employees are entitled to any benefits that CCC provides for its employees. Contractor is solely and entirely responsible for its acts and omissions and for the acts and omissions of its agents and employees during the performance of the Services. If Contractor is providing the Services as an individual, Contractor: (i) is engaged as an independent contractor and will be responsible for paying all taxes resulting from the performance of the Services under this Agreement; (ii) will not be eligible for any Federal Social Security, State Workers' Compensation, or unemployment insurance; (iii) is not an officer, employee, or agent of CCC and will not be under the direction and control of CCC; (iv) will furnish at its own expense all supplies, materials, equipment, and tools used to provide the Services; (v) shall be free from the control and direction of CCC in connection with the performance of the Services; (vi) acknowledges that the Services performed under this Agreement are outside the usual course of CCC's business; and (vii) is currently engaged in an occupation of the same nature as that involved in the Services that will be performed under this Agreement.

Signatures follow on next page. IN WITNESS WHEREOF, the parties have entered into this Agreement as of the Effective Date.

Central City Concern

Contractor

Signature:

Signature:

Title: **TITLE**

Title: **TITLE**

Notice Address:

Notice Address: **ADDRESS**

Attn: Legal Affairs
232 NW 6th Avenue
Portland, OR 97209

Attn: **WHO?**
ADDRESS
ADDRESS

Email: contracts@ccconcern.org

Email: **EMAIL**

**ADDENDUM A
SCOPE OF WORK NO. #**

As required by the Professional Services Agreement (the “**Agreement**”) between the parties, this Scope of Work outlines the Services that Contractor will provide to CCC.

1. Services. Contractor shall provide **SERVICES**, as more specifically described in the attached Addendum A-1. To the extent that Addendum A-1 contains terms that are inconsistent with the Agreement, the terms of the Agreement shall control and Addendum A-1 does not serve to modify or amend the terms of the Agreement.
2. Period of Performance. Contractor shall provide the Services commencing on or about **DATE** and shall complete the Services no later than **DATE**, unless otherwise agreed to in writing by the parties.
3. Compensation. As the total compensation for the Services, CCC will pay Contractor as follows:

| Type of Service | Rate |
|----------------------------|----------------------|
| | |
| | |
| | |
| | |
| TOTAL NOT TO EXCEED | \$ TOTAL COST |

4. Invoice Requirements. Invoices must be submitted:

By email to: AP@ccconcern.org
(preferred method)

By mail to: Central City Concern
Attn: Accounts Payable
232 NW 6th Avenue
Portland, Oregon 97209

Contractor must submit a valid W-9 to either address above in advance of submitting Contractor’s first invoice to CCC. Contractor’s failure to provide its W-9 in a timely manner may result in a delay in payment. Contractor’s invoice must include a detailed and itemized description of all goods and services provided by Contractor, as well as such additional supporting documents as may be reasonably requested by CCC.

5. Payment Terms. CCC shall pay Contractor within thirty (30) days of receipt of invoice. Contractor acknowledges that the source of the funding for this grant are funds allocated to CCC from the City of Portland. CCC will disburse payment to Contractor, in accordance with their contracts, subject to receipt of funds from the City of Portland.

6. Change Procedure. Changes to this Scope of Work may only be made in writing, signed by both parties.

ADDENDUM A-1

ADDENDUM B GENERAL TERMS AND CONDITIONS

1. Access to Records.
 - a. *Generally.* Contractor shall maintain current records of costs claimed to have been incurred and anticipated to be incurred in the performance of the Services, in accordance with Generally Accepted Accounting Principles (GAAP). CCC and its duly authorized representatives shall have access to the records of Contractor that are directly pertinent to this Agreement. Such records shall be maintained by Contractor for six (6) years from the date of contract expiration unless a shorter period is authorized by CCC in writing. Contractor is responsible for any discrepancies involving deviation from the terms of this Agreement and for any commitments or expenditures in excess of amounts authorized by CCC.
2. Amendment. This Agreement may only be amended in writing, signed by an authorized representative of each party.
3. Assignment; No Third-Party Beneficiary Rights. Contractor shall not assign or transfer its interest nor delegate its obligation in this Agreement without the express written consent of CCC. The provisions of this Agreement are for the sole benefit of the parties and their successors and permitted assigns, and they will not be construed as conferring any rights or remedies to any third party (including any third party beneficiary rights). Any unauthorized assignment or transfer of Contractor's interest shall be null and void.
4. Captions. The captions or headings in this Agreement are for convenience only and in no way define, limit, or describe the scope of intent of any provisions of this Agreement.
5. Compliance with Applicable Law. Contractor will comply with all applicable laws, statutes, codes, ordinances, rules, regulations, and lawful orders.
6. Confidential Information. During the Term of this Agreement, Contractor may receive or have access to information that is confidential and proprietary to CCC. All such information ("**Confidential Information**") made available to, disclosed to, or otherwise made known to Contractor in connection with this Agreement shall be considered the sole property of CCC. Confidential Information may be used by Contractor only for purposes of performing the obligations of Contractor hereunder. Contractor shall not disclose Confidential Information to any third party without the prior written consent of CCC. Contractor shall not use or duplicate any Confidential Information belonging to or supplied by CCC, except as authorized by CCC. These obligations of confidentiality and non-disclosure shall survive the expiration or earlier termination of this Agreement.
7. Disputes.
 - a. Mediation. The parties acknowledge that mediation helps parties settle their dispute and any claim, dispute, or other matter in question arising out of or related to this Agreement shall be subject to mediation as a condition precedent to arbitration. The mediation will be conducted in accordance with the mediation rules of the Arbitration Service of Portland, Inc. ("ASP") then in effect. The request for mediation will

be filed in writing with the other party to this Agreement and with ASP. The request may be made concurrently with the filing of a demand for arbitration but, in such event, mediation will proceed in advance of arbitration and the arbitration will be stayed pending mediation for a period of sixty (60) days from the date of filing unless stayed for a longer period by agreement of the parties or court order. The parties will share the mediator's fee and any filing fees equally. Any mediation arising out of or relating to this Agreement will include, by consolidation, joinder or joint filing, any other person or entity not a party to this Agreement that is substantially involved in a common issue of law or fact and whose involvement in the consolidated mediation is necessary to achieve a final resolution of a matter in controversy therein. This agreement to mediate will be specifically enforceable by any court with jurisdiction thereof. Written and signed agreements reached in mediation will be enforceable as settlement agreements in any court having jurisdiction thereof. Contractor will include a provision similar to this section in each of its contracts with subcontractors.

b. Arbitration. Any dispute or claim that arises out of or that relates to this Agreement not resolved in mediation, shall be resolved by arbitration in accordance with the then effective arbitration rules of the ASP. The arbitration will include, by consolidation, joinder or in any other manner, any additional persons or entities if (1) such persons or entities are materially involved in a common issue of law or fact in dispute and (2) such persons or entities are either contractually bound to arbitrate or otherwise consent to arbitration. If another involved person or entity will not consent to arbitration, CCC, in CCC's sole discretion, has the option to elect consolidated litigation in court to resolve the dispute. The agreements contained in this Section will be specifically enforceable in accordance with all applicable laws in any court having jurisdiction. Any award rendered by an arbitrator will be final, and judgment may be entered upon it in accordance with applicable laws in any court having jurisdiction. The arbitrator is specifically empowered to award attorneys' fees, expert witnesses' fees and litigation costs to the extent allowed by contract or applicable laws. It is understood that the purpose of this Section 15.3 is to allow CCC to determine the best means of achieving a single consolidated proceeding that will minimize duplicative processes and minimize the risk of inconsistent results, in the following order of preference: (i) a consolidated arbitration of all significant parties, if possible, or (ii) alternatively, a consolidated trial of all significant parties, if possible.

c. Work to Continue. Contractor will continue performing the Services and maintain its progress during any mediation, arbitration, or litigation proceedings as long as all amounts due under the Agreement, not in dispute, have been and continue to be paid in accordance with the terms of the Agreement.

8. Signature in Counterparts. This Agreement may be signed in counterparts, each of which shall be an original, all of which shall constitute one and the same instrument.

9. Governing Law. This Agreement shall be governed by the laws of the State of Oregon. The forum for resolving any and all claims, disputes, or other matters in question arising out of or relating to this Agreement, whether by mediation, arbitration or litigation, will be commenced and prosecuted in Multnomah County, Oregon.

10. Indemnity, Responsibility for Damages. To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold CCC and the City and each of its present and future directors, officers, employees, agents, and authorized representatives harmless for, from, and against any and all claims, actions, proceedings, damages, losses, expenses, demands, liabilities, suits, fines, judgments, and expenses of every kind, whether known or unknown, including but not limited to reasonable attorney's fees, costs and expenses incidental thereto that may be suffered by, accrued against, charged to, or recoverable from any third party, by reason of any claim arising out of or relating to any act or error or omission, or misconduct of Contractors, its officers, directors, agents, employees, or subcontractors under or in connection with this Agreement; provided, however,

that Contractor has no indemnification obligations under this section to the extent that such losses, damages, liabilities, or related expenses arise from CCC's gross negligence or willful misconduct.

11. Prevailing wage indemnity. Contractor agrees to indemnify, defend, and hold harmless CCC and the City, its employees, officers, and agents, from and against any claim, suit, or action, including administrative actions, that arise out of Contractor's failure to comply with ORS 279C.800 to 279C.870 and any applicable administrative rules or policies.

12. Licenses and Permits. Contractor shall obtain and keep current all licenses, certifications, and permits as required by law to perform the Services.

13. Notices and Representatives. All notices, certificates, or communications shall be personally delivered, emailed with read receipt enabled, or sent certified with postage prepaid to the parties at their respective places of business as identified in the signature block of this Agreement, unless a different address is otherwise provided.

14. Remedies. Except as expressly provided elsewhere in this Agreement, each party's rights and remedies under this Agreement are cumulative and in addition to, not exclusive of or in substitution for, any rights or remedies otherwise available to that party.

15. Severability. The parties agree that if any term or provision of this Agreement is determined to be illegal, in conflict with any law, void, or otherwise unenforceable, and if the essential terms and provisions of this Agreement remain unaffected, then the validity of the remaining terms and provisions will not be affected and the offending provision will be given the fullest meaning and effect allowed by law.

16. Subcontracts and Assignments. Contractor shall not enter into any subcontracts for any of the work scheduled under this Agreement nor assign or transfer any of its interest in this Agreement, without obtaining prior the written approval from CCC.

17. Successors in Interest. The provisions of this Agreement shall be binding upon and shall inure to the benefit of the parties hereto, and their respective successors and assigns.

18. Termination. This Agreement may be terminated at any time by mutual consent of both parties, or by either party upon thirty (30) days' notice. In addition, CCC may terminate this Agreement effective upon delivery of notice to Contractor, or at such later date as may be established by CCC, if: (a) Federal or state regulations or guidelines are modified, changed, or interpreted in such a way that the Services are no longer allowable or appropriate for purchase under this Agreement; or (b) any license or certificate required by law or regulation to be held by Contractor to provide the Services is denied, revoked, or not renewed. This Agreement may also be terminated by CCC for default (including breach of contract) if: (y) Contractor fails to provide Services or materials called for by this Agreement within the time specified; or (z) Contractor fails to perform any of the other provisions of this Agreement, or so fails to pursue the Services as to endanger performance of this Agreement in accordance with its terms, and after receipt of written notice from CCC, fails to correct such failures within ten (10) days. The rights and remedies of CCC provided in this section shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Agreement.

19. Force Majeure. Neither CCC nor Contractor shall be held responsible for delay or default caused by fire, riot, acts of God, war, weather-caused delays, or where such cause was beyond the parties' reasonable control.

The party affected shall, however, make all reasonable efforts to remove or eliminate such cause of delay or default and shall, upon the cessation of the cause, diligently pursue performance of its obligations under this Agreement.

20. Waiver. The failure of CCC to enforce any provision of this Agreement shall not constitute a waiver by CCC of that or any other provision.

21. Work Product. Contractor acknowledges and agrees that any and all work product and intellectual property developed or created by Contractor as a result of the performance of the Services (collectively, "**Work Product**") is the sole and exclusive property of CCC and is considered "work made for hire" as that term is defined in The U.S. Copyright Act, 17 U.S.C. §§ 101.

22. Entire Agreement. This Agreement constitutes the entire agreement between the parties. There are no other understandings, agreements, or representations, oral or written, not specified herein regarding this Agreement. No amendment, consent, or waiver of the terms of this Agreement shall bind either party unless in writing and signed by the parties. Any such amendment, consent, or waiver shall be effective only in the specific instance and for the specific purpose given. Contractor, by its signature, acknowledges having read and understood the Agreement in its entirety and Contractor agrees to be bound by its terms and conditions.

ADDENDUM C INSURANCE REQUIREMENTS

During the Term of this Agreement, Contractor shall, at its own expense, maintain and carry insurance in full force and effect, as indicated below, with financially sound and reputable insurers. All insurance policies required pursuant to this Agreement shall:

1. provide that insurance carriers give CCC at least thirty (30) days' prior written notice of cancellation or non-renewal of policy coverage; *provided that*, prior to such cancellation, Contractor shall have new insurance policies in place that meet the requirements of this Agreement;
 2. waive any right of subrogation of the insurers against CCC or any of its affiliates;
 3. provide that such insurance be primary insurance and any similar insurance in the name of and/or for the benefit of CCC and shall be excess and non-contributory; and
- A. Coverage Requirements. Contractor shall comply with the following insurance requirements:
1. Commercial General Liability. Contractor shall acquire commercial general liability ("CGL") and property damage insurance coverage in an amount typically **\$2 million per occurrence** for damage to property or personal injury arising from Contractor's Services under this Agreement.
 2. Additional Insured Endorsement. For commercial general liability coverage, Contractor shall provide CCC with a blanket additional insured endorsement form that names the Central City Concern and City of Portland, Oregon, and its officers, agents, and employees, as an additional insured. The additional insured endorsement must be attached to the general liability certificate of insurance.
 3. Workers' Compensation. Contractor shall comply with Oregon workers' compensation law, ORS Chapter 656, as it may be amended. If Contractor is required by ORS Chapter 656 to carry workers' compensation insurance, Contractor shall acquire workers' compensation coverage for all subject workers as defined by ORS Chapter 656 and shall maintain a current and valid certificate of workers' compensation insurance on file with the City for the entire period during which Project work is performed under this Agreement. Contractor shall acquire workers' compensation coverage in an amount not less than **\$500,000 each accident, \$500,000 disease each employee, and \$500,000 disease** policy limit.
 4. Automobile Liability. Contractor shall acquire automobile liability in the amount of \$1,000,000 for all owned, hired and non-owned vehicles.

Prior to the start of Services under this Agreement, Contractor shall provide CCC with copies of the certificates of insurance and policy endorsements for all insurance coverage required by this Agreement and shall not do anything to invalidate such insurance. This Addendum C shall not be construed in any manner as waiving, restricting, or limiting the liability of either party for any obligations imposed under this Agreement (including but not limited to, any provisions requiring a party hereto to indemnify, defend and hold the other harmless under this Agreement).

ADDENDUM D CONTRACTOR CODE OF ETHICS AND COMPLIANCE

As a nonprofit organization providing pathways to self-sufficiency through active intervention in poverty and homelessness, Central City Concern (“CCC”) works to uphold the highest legal, ethical, and moral standards. Our clients, funding agencies, donors, employees and volunteers support CCC because they trust us to be good stewards of their resources, and to uphold rigorous standards of conduct. Our reputation for integrity and excellence requires the careful observance of all applicable laws and regulations, as well as a scrupulous regard for the highest standards of conduct and personal integrity.

CCC will comply with all applicable laws and regulations and expects its vendors, contractors and consultants to also conduct business in accordance with the letter and spirit of all relevant laws and regulations; to refrain from any illegal, dishonest, or unethical conduct; to act in a professional, businesslike manner; and to treat others with respect.

Drug and Alcohol-Free Workplace

CCC, as an organization providing chemical dependency treatment and related housing and services, has a deep interest in promoting and maintaining an alcohol and drug-free workplace. The use, abuse, possession, distribution, manufacture, dispensation, purchase, transfer, or sale of alcohol, controlled substances, or illegal drugs when conducting CCC business is prohibited. Contractor’s employees shall not report for duty, be on CCC’s premises, or represent CCC while under the influence of alcohol, illegal drugs, or controlled substances.

Workplace Violence Prevention

CCC is committed to the safety and security of its employees, clients, customers, vendors, contractors and consultants. CCC does not tolerate threats, threatening behavior, harassment, intimidation, acts of violence, or other disruptive behavior against employees, clients, customers, visitors, guests, vendors, contractors, consultants or other individuals in the workplace.

Safe Workplace

Contractors are required to be knowledgeable and compliant with all OSHA rules and regulations. Contractors are required to have material safety data sheets (MSDS) on hand or available to provide for all hazardous chemicals being used while conducting business for CCC.

Harassment Free Workplace

CCC is committed to providing a work environment that is free from all forms of discrimination and harassing, coercive, or disruptive conduct, including sexual harassment. Adverse actions, jokes or derogatory comments based on an individual’s sex, race, color, national origin, age, religion, disability, sexual orientation, gender identity, protected veteran status, marital status, source of income, or any other characteristics protected by law (“**Protected Class**”) will not be tolerated. Harassing conduct may be verbal or physical, and can include, but is not limited to: epithets, slurs, negative stereotyping, or threatening, intimidating, or hostile acts that relate to a Protected Class, and written or graphic material that stereotypes, denigrates, or shows hostility or aversion toward an individual or group because of the protected status. Sexual harassment is one form of harassment, that may include unwelcome sexual advances, or visual, verbal, or physical conduct of a sexual nature.

CCC prohibits the possession of weapons on CCC-owned or leased premises, and while conducting CCC business. This applies even if you have a permit or license to carry.

Smoke-Free Workplace

Per applicable laws, CCC adheres to a smoke-free zone within ten (10) feet of building entrances, operable windows and air intake vents.

Conflicts of Interest

Contractors have an obligation to avoid any conflicts of interest or the appearance of a conflict of interest as they pertain to CCC. CCC has adopted a policy of dealing with such conflicts through full disclosure of any such actual or potential conflicting interests. Contractors are required to disclose any relative or member of their household that is currently employed at CCC, whether as a contractor or an employee, so that CCC can make a determination whether an actual or potential conflict of interest exists. Contractors must not deal directly with any CCC employee, or CCC employee spouse, family member, or anyone living in the employee's household, who holds a significant financial interest in Contractor's business. If in doubt, Contractor should timely provide CCC with the facts of the situation so that CCC can manage the potential conflict.

Gifts, Gratuities and Entertainment

Contractors may not exchange gifts of cash or cash equivalents with CCC employees or Board members under any circumstance. Cash equivalents include gift certificates and gift cards. Exchanges of non-monetary gifts, gratuities, discounts, or any other personal benefits or favors are also prohibited, provided, however, that gifts of nominal value (meaning those valued at less than \$100) are not subject to this prohibition.

No payments of money, gifts, services, entertainment, or anything of value may be offered or made available to any federal, state, or local government official or employee. This includes payments to federal or state regulators, legislators, and lobbyists.

Kickbacks and Rebates

Contractors are prohibited from offering or accepting kickbacks or rebates for the purpose of wrongfully obtaining, retaining, or directing CCC business. Kickbacks may include, but are not limited to, gifts, entertainment, services, special favors or benefits under a contract, or anything else that would be attractive to the recipient. Federal and state anti-kickback statutes impose severe criminal, civil, and monetary penalties on individuals who offer or accept a kickback and on any company that solicits or accepts a kickback.

Media Communications

Contractors are not authorized to speak about or on behalf of CCC without CCC's prior written consent. If you receive a media inquiry related to CCC's business, you must refer the inquiring party to your CCC contact.

Employment Verification

Contractors are not CCC employees. Therefore, CCC will not provide employment verification letters to Contractors for any purpose, including but not limited to, obtaining a loan or in connection with immigration applications or work authorizations.

ADDENDUM E

ADDITIONAL CONSTRUCTION TERMS AND CONDITIONS

1. Government Approvals. Contractor shall obtain all required permits, licenses, and government approvals required for the performance of the Services prior to commencing the Services. Contractor will be solely responsible for being aware of and initiating, maintaining, and supervising compliance with all applicable laws with respect to safety, health, and the environment in connection with performance of this Agreement, including those of or relating to applicable Occupational Health and Safety Administration requirements.
2. Warranties. Contractor warrants that the Services will be of the quality specified or of the best appropriate grade if no quality is specified. Unless otherwise provided in this Agreement, Contractor also warrants that all materials furnished by Contractor will be new (unless approved otherwise in writing in advance by CCC), that all materials selected by Contractor will be suitable for their intended use, and the Services performed will be free from defects in materials and workmanship. Contractor further warrants that title to all materials furnished under this Agreement will pass to CCC free and clear of any liens, security interests, or other encumbrances upon the earlier of Contractor's receipt of payment therefore or the incorporation of such materials into the Services. Upon demand of CCC, or upon the bankruptcy, insolvency, or other incapacity of Contractor, Contractor will be deemed to have assigned to CCC all subcontractors' warranties of materials and workmanship regarding the Services. Contractor's warranties under this section are in addition to all other express warranties set out in this Agreement and such other warranties as are implied by law, custom, or usage of trade.
3. Defects. At any time during the performance of the Services or within one (1) year after the date of completion of the Services, CCC may, by written notice, inform Contractor that all or a portion of the Services is defective or fails to conform to the requirements of this Agreement (the "**Defective Work**"). Upon receipt of such notice, Contractor will timely and at its own expense commence correction of the Defective Work. If Contractor fails to promptly correct the Defective Work, CCC may, without limiting or waiving any other rights or remedies that it may have, cure the Defective Work itself or through a third party, remove and dispose of rejected or spoiled materials, and retain from amounts due to Contractor or otherwise recover from Contractor any costs so incurred by CCC. Contractor's obligations under this section will be in addition to and not in lieu of other obligations it has under this Agreement or applicable laws, including but not limited to its rights for Contractor's breach of the warranties set out in section 2 of this Addendum. Upon demand of CCC, or upon the bankruptcy, insolvency, or other incapacity of Contractor, Contractor will be deemed to have assigned to CCC all of Contractor's rights to require subcontractors to cure defective or nonconforming work.
4. Approvals. CCC's review, approval, acceptance, use, or payment for all or any part of the Services will, in no way, alter Contractor's obligations or CCC's rights under this Agreement, and will not excuse or diminish Contractor's responsibility for performing the Services in accordance with industry best standards.
5. Laborers. Contractor will employ in the performance of the Services only persons who are qualified, skilled, and are otherwise fit to perform their responsibilities. Contractor will always enforce strict discipline and good order among its employees and subcontractors. Contractor will not permit at the work site the use or introduction of tobacco, alcoholic beverages, illegal drugs, firearms or other weapons, verbal, or other harassment, lewd or obscene language or behavior, or disregard for the privacy, property, or personal, or business interests of CCC, its personnel, or its visitors, or of the occupants or visitors of adjacent parcels, or of members of the public.

6. Corrective Action. Contractor agrees to take prompt and effective corrective action if violations of section 5 of this Addendum occur. Wherever requested by CCC, Contractor will immediately remove from the work site any person under Contractor's control who is considered by CCC to be in violation of section 5 of this Addendum. Such persons shall not again be employed in the performance of the Services without the prior written consent of CCC.
7. Hazardous Materials. Contractor will be responsible for controlling, labeling, handling, and disposing of all hazardous materials used in performing the Services or brought to a site by Contractor or its subcontractors, in accordance with applicable laws. If Contractor or its subcontractors encounter at a site hazardous materials or suspected hazardous materials that are not contained or in controlled use, Contractor will immediately (a) cease its activities and those of subcontractors in the affected area of the site; (b) notify CCC by direct communication at the site if feasible or otherwise by telephone, or email; (c) confirm the discovery by written notice to CCC; and (d) await further instructions from CCC.
8. Patent or Latent Physical Condition of Site. Upon discovery, and before such conditions are disturbed, Contractor will notify CCC of (a) subsurface or latent physical conditions at the site differing materially from those indicated in this Agreement; or (b) unknown physical conditions at a site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Agreement. Upon receipt of a notice pursuant to this section, CCC will promptly investigate the conditions and if it determines that such conditions do differ materially and cause an increase or decrease in the cost of, or the time required for performing the Services, an equitable adjustment will be made to the Contractor's compensation, or Term, or both.
9. Performance. Contractor will protect against its operations and those of subcontractors causing damage to existing equipment, facilities, structures, and other components of a site, and will not move, remove, or alter any of them without prior written notice to and written consent from CCC. Contractor will be responsible for ascertaining the location of and avoiding damage to all existing installations of utilities at a site. Except as otherwise expressly approved by CCC in advance, Contractor will not interfere with the operations or other work or services of CCC or third parties at a site or with ingress or egress to the site or other parts or components of CCC's facilities or properties. Contractor will fully cooperate and coordinate with CCC's employees, consultants, contractors, suppliers, and others providing services, labor, materials, or equipment for work outside of this Agreement; and Contractor will not commit or permit any act that would interfere with the performance of services or work by CCC or CCC's consultants, contractors, suppliers, or others performing services or work outside of this Agreement. Contractor will confine storage of materials, supplies, and equipment used in performing the Services to locations acceptable to CCC and in compliance with all applicable laws. Contractor will keep the site, related storage areas, and adjacent landscaping, parking lots, sidewalks, streets, and roads free from accumulation of waste, rubbish, spillage, and tracking resulting from performance of the Services. Upon completion of the Services, Contractor will clean up, remove from the site, and properly dispose of such waste, rubbish, spillage, and tracking in containers provided by Contractor or its subcontractors, and will remove from the site all excess materials, supplies, tools, and equipment used by Contractor or its subcontractors. If Contractor fails to perform its obligations under this section, CCC will have the right to perform them at Contractor's cost. The Services shall be 1) performed by individuals who are qualified; and 2) completed in a manner that is consistent with industry best standards.
10. Time is of the Essence. Time is of the essence when completing the Services.

ADDENDUM F

SPECIAL CONDITIONS

1. Publicity. City requires public acknowledgement for the projects and programs it supports. Unless otherwise directed in writing by City, Grantee shall acknowledge PCEF support in all published materials and media, including without limitation articles, reports, advertisements, web resources, radio events, fliers, social media, videos, and other publications related to the Grantee's activities funded in whole or in part under this Agreement. Grantee shall display PCEF Logo and credit line in acknowledging PCEF support in published materials and media.
2. Employee, Worker, Contractor, and Subcontractor Payment Guidelines. These payment requirements apply to all contractors, subcontractors, and workers who perform any work on PCEF-funded projects:
 - a. Meet PCEF wage requirements:
 - i. *PCEF Family Wage Requirement:* All employees and workers of grantee and grantee's contractors and subcontractors shall be paid at least 180% of relevant state minimum wage for time worked on the PCEF funded project. *Prevailing Wage Requirement:* All PCEF-funded construction projects that are \$350,000 or greater at a single site, shall adhere to State Prevailing Wage requirements. Payment of prevailing wage shall include fringe and be made to workers in trades for which a prevailing wage is defined.
 - ii. *Note* that prevailing wage requirements are excluded on some, but not all, affordable housing projects. The exclusion applies to projects that are privately owned, predominantly affordable residential housing construction. "Affordable housing" means at least 60 percent of the project is designated for residents with incomes no greater than 60 percent of the area median income. "Residential" means no more than four stories in height and no commercial space. ORS 279C,810(2)(d); OAR 839-025-0100(1)e.
 - b. Commit to payment terms and record keeping:
 - i. Pay subcontractors within 30 days of billing
 - ii. Retain your payment records for 6 years and require the same of your subcontractor.
 - iii. Retain your workforce payment records for 6 years and require the same of your subcontractor.
3. Promote Safe, Respectful and Inclusive Worksites. The following requirements are designed to promote safe and respectful worksites. They apply to all contractors, subcontractors, and grantees performing physical improvements using a construction workforce on PCEF-funded projects:
 - a. Safe and Respectful Jobsite Policy: Provide a jobsite policy that addresses how the organization will handle issues of discrimination (such as sexism or racism) and bullying (such as harassment or intimidation), consistent with Oregon's Workplace Fairness Act. Distribute policy to all workers on PCEF funded projects and include:
 - i. Threatening acts of hate or violence shall be immediately reported to the appropriate authorities.
 - ii. Each organization shall define internal procedures for:
 - iii. *Investigation:* All incidents of hate, intimidation, or harassment shall be documented, including photos and names of witnesses where applicable.

- iv. *Response*: Include clear chain of command, shut-down protocols, accountability, and compliance measures in addition to reporting incidents and outcomes, timeframe, and process for removal of hate crime symbols.
- v. *Support and protection of impacted workers and whistleblowers*: Define how leadership will report on steps taken to address the incident, how workers will be protected against retaliation, where workers can go for support, and anti-retaliation policy and training.
- b. PCEF Safe & Respectful Worksite Training: Complete a PCEF sponsored ([on-demand training](#)) or approved respectful workplace training. This requirement applies to all workers and supervisors, including subcontractors and apprentices, on PCEF funded projects, with an exemption allowed for those working less than 40 hours on the PCEF projects funded by this grant.
- c. OSHA Training: Promote completion of OSHA-10 training for all construction workers and OSHA-30 training for all job site supervisors. For more information: [OSHA Training](#) and [OSHA Training Providers](#)
- d. Protection from Environmental Hazards: Promote worker protection from COVID-19 exposure and climate-related events (heat, air quality, vector-borne disease). This requirement also applies to your subcontractors.
- e. Organizing: Per Federal law, grant recipients, contractors, and subcontractors shall not oppose worker efforts to organize, nor shall they retaliate or otherwise create a hostile environment to workers who choose to engage in collective conversations or action regarding workplace issues ([NLRB Employee Rights](#)).
- f. Distribute PCEF-furnished wallet cards to all workers and post PCEF-furnished signs at project sites and/or where workers gather (e.g., office, eating space, bathrooms).

Attachment 3: Respondent's Intent to Bid

Notice of Intent to Bid

This is to declare that the undersigned intends to respond to Central City Concern's Request for Proposals, Madrona Clean Fleet Depot.

Respondent: _____
(LEGAL BUSINESS NAME OF INTENDED SIGNATORY TO A CONTRACT)

Point of Contact: _____

Mailing Address: _____
(STREET ADDRESS) (SUITE)

(CITY, STATE, ZIP)

Authorized Signature: _____

Print Name: _____ Title: _____

Date: _____

****Return by email to: RACHEL.MAAS@CCCONCERN.ORG**

Attachment 4: PCEF Workforce and Contractor Equity Requirements

1. Adhere to Employee, Worker, Contractor, and Subcontractor Payment Guidelines

These payment requirements apply to all contractors, subcontractors, and workers who perform any work on PCEF-funded projects.

a. Meet PCEF wage requirements:

- i. *PCEF Family Wage Requirement:* All employees and workers of grantee and grantee's contractors and subcontractors shall be paid **at least 180% of relevant state minimum wage** for time worked on the PCEF funded project. *Prevailing Wage Requirement:* All PCEF-funded construction projects that are \$350,000 or greater at a single site, shall adhere to [State Prevailing Wage](#) requirements. Payment of prevailing wage shall include fringe and be made to workers in trades for which a prevailing wage is defined.

Note that prevailing wage requirements are excluded on some, but not all, affordable housing projects. The exclusion applies to projects that are privately owned, predominantly affordable residential housing construction. "Affordable housing" means at least 60 percent of the project is designated for residents with incomes no greater than 60 percent of the area median income. "Residential" means no more than four stories in height and no commercial space. ORS 279C,810(2)(d); OAR 839-025-0100(1)e.

b. Commit to payment terms and record keeping:

- i. *Pay subcontractors within 30 days* of billing
- ii. *Retain your payment records for 6 years* **AND** require the same of your subcontractor.
- iii. *Retain your workforce payment records for 6 years* and require the same of your subcontractor.

2. Submit Quarterly Workforce Reporting

Information on all workers, contractors and subcontractors on PCEF projects shall be entered into PCEF furnished template four times per year along with other project reporting. Information reported for each worker includes: job title, hours worked, hourly wage earned, benefits received, and race, ethnicity and gender demographics.

3. Promote Safe, Respectful and Inclusive Worksites

The following requirements are designed to promote safe and respectful worksites. They apply to all contractors, subcontractors, and grantees performing physical improvements using a construction workforce on PCEF-funded projects.

- a. **Safe and Respectful Jobsite Policy:** Provide a jobsite policy that addresses how the organization will handle issues of discrimination (such as sexism or racism) and bullying (such as harassment or intimidation), consistent with [Oregon's Workplace Fairness Act](#). Distribute policy to all workers on PCEF funded projects and include:
 - i. Threatening acts of hate or violence shall be immediately reported to the appropriate authorities.
 - ii. Each organization shall define internal procedures for:
 - *Investigation:* All incidents of hate, intimidation, or harassment shall be documented, including photos and names of witnesses where applicable.
 - *Response:* Include clear chain of command, shut-down protocols, accountability, and compliance measures in addition to reporting incidents and outcomes, timeframe, and process for removal of hate crime symbols.
 - *Support and protection of impacted workers and whistleblowers:* Define how leadership will report on steps taken to address the incident, how workers will be protected against retaliation, where workers can go for support, and anti-retaliation policy and training.
- b. **PCEF Safe & Respectful Worksite Training:** Complete a PCEF sponsored ([on-demand training](#)) or approved respectful workplace training. This requirement applies to all workers and supervisors, including

subcontractors and apprentices, on PCEF funded projects, with an exemption allowed for those working less than 40 hours on the PCEF projects funded by this grant.

- c. **OSHA Training:** Promote completion of OSHA-10 training for all construction workers and OSHA-30 training for all job site supervisors. For more information: [OSHA Training](#) and [OSHA Training Providers](#)
- d. **Protection from Environmental Hazards:** Promote worker protection from COVID-19 exposure and climate-related events (heat, air quality, vector-borne disease). This requirement also applies to your subcontractors.
- e. **Organizing:** Per Federal law, grant recipients, contractors, and subcontractors shall not oppose worker efforts to organize, nor shall they retaliate or otherwise create a hostile environment to workers who choose to engage in collective conversations or action regarding workplace issues ([NLRB Employee Rights](#)).
- f. **Distribute PCEF-furnished wallet cards to all workers** and post PCEF-furnished signs at project sites and/or where workers gather (e.g., office, eating space, bathrooms).

Attachment 5: Pacific Power EPRI Approved Charger List

PacifiCorp

Updated March 19, 2025

 These EVSE meet the program requirements established by PacifiCorp. All hardware must have a minimum 3-year warranty.
 All qualifying EVSE hardware must be paired with an approved third-party network service.

Residential (AC Only; 6kW to 12kW)

| Brand | Model | Model Name | Type | Max Power (kW) | Notes |
|----------------|--------------------------------|--------------------------------|------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Autel | AC-W12-L-4G | AC Elite | AC | 12 | Single Port - OCPP Full Certificate with software version V1.13.97 Single Port; NRTL listed as LiteOn MQW2-50C-M2-R#-#-23 and HQW2-50C-R#-#-23 |
| Blink | 01-0202 (MQ 200) | MQ 200 | AC | 12 | #-NF-#-23 |
| Blink | 780 (40A) | Series 7 ISO (Enhanced) | AC | 9.6 | Dual Port, Standalone network capability |
| Blink | 780 (48A) | Series 7 ISO (Enhanced) | AC | 11.52 | Dual Port, Standalone network capability |
| Blink | 880 (40A) | Series 8 ISO (Enhanced) | AC | 9.6 | Single or dual Port, Standalone network capability |
| Blink | 880 (48A) | Series 8 ISO (Enhanced) | AC | 11.52 | Dual Port, Standalone network capability |
| Cyber Switchin | CSE1-4G-BL | CSE1 | AC | 11.5 | Single Port |
| Cyber Switchin | CSE1-WIFI-BL | CSE1 | AC | 11.5 | Single Port |
| Epic Charging | EC48-AC | Epic48 | AC | 11.5 | Single Port, Standalone network capability |
| Epic Charging | ECB48-AC | Epic48 | AC | 11.5 | Single Port, Standalone network capability |
| EverCharge | EVO02-48-E800-1000 | EVO2 | AC | 11.52 | Single Port, Standalone network capability |
| EverCharge | EVO02-48-E800-1000-40A | EVO2 | AC | 8.3 | Single Port, Standalone network capability |
| EverCharge | EVO02-80-E800-1001-40A | EVO2 | AC | 8.3 | Single Port, Standalone network capability |
| EverCharge | EVC5001### | EVC5001### | AC | 12 | Single port. |
| EverCharge | EVO32-310-001 | IEVSE Plus 32 | AC | 7.7 | Single Port, Standalone network capability |
| EverCharge | EVO32-310-002 | IEVSE Plus 32 | AC | 7.7 | Dual Port, Standalone network capability |
| EverCharge | EVO32-320-001 | IEVSE 32 | AC | 7.7 | Single Port, Standalone network capability |
| EverCharge | EVO32-320-002 | IEVSE 32 | AC | 7.7 | Dual Port, Standalone network capability |
| EverCharge | W1-1962-#### | IEVSE | AC | 9.6 | 1-4 Ports |
| OpConnect | OC-IC3-32AH | IEVSE | AC | 7.2 | Single Port, Standalone network capability |
| OpConnect | OC-SC3-32AN | IEVSE | AC | 7.7 | Single Port, Standalone network capability |
| PowerPump | ACS50 | ACS50 | AC | 10 | Single Port. |
| TurnOnGreen | EVP1100-W/CPEVAC-11KW-J17-WEV# | EVP1100-W/CPEVAC-11KW-J17-WEV# | AC | 11.4 | Single Port |
| Zerova | AXLU111001/AX48 | AX48 | AC | 11 | Single Port, Standalone network capability, OCA Full and Security certificates under software version V1.00 |

Commercial

| Brand | Model | Model Name | Type | Max Power (kW) | Notes |
|----------------|-----------------------------------|--------------------------------|------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alpitronic | HYC400-2 | Hypercharger | DC | 200 | 1-4 Ports |
| Alpitronic | HYC400-3 | Hypercharger | DC | 300 | 1-4 Ports |
| Alpitronic | HYC400-4 | Hypercharger | DC | 400 | 1-4 Ports |
| Autel | AC-W12-L-4G | AC Elite | AC | 12 | Single Port - OCPP Full Certificate with software version V1.13.97 |
| Autel | DC HiPower | DC HiPower | DC | 640 | The DC HiPower has a power cabinet with dispenser set up. It comes in 320, 480, or 640kW options and can be purchased with 2, 4, 6, or 8 ports depending on the number of dispensers. |
| Autel | Maxi UW19C002 | MaxiCharger AC Pro 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19C002 | MaxiCharger AC 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19L002 | MaxiCharger AC Pro 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19L002 | MaxiCharger AC 80A | AC | 19.2 | Single port. |
| Autel | UF###101 | AC Ultra | AC | 19.2 | Single Port or Dual Port |
| Autel | UF160A4001 | Maxicharger DC Fast 160kW | DC | 160 | Single or dual port |
| Autel | UF180A4001 | Maxicharger DC Fast 180kW | DC | 180 | Single or dual port |
| Autel | UF200A4001 | Maxicharger DC Fast 200kW | DC | 200 | Single or dual port |
| Autel | UF220A4001 | Maxicharger DC Fast 220kW | DC | 220 | Single or dual port |
| Autel | UF240A4001 | Maxicharger DC Fast 240kW | DC | 240 | Single or dual port |
| Blink | 01-0207-LTE (IQ 200 Advanced) | IQ 200 Advanced | AC | 19.2 | Single Port |
| Blink | 780 | Series 7 ISO Single | AC | 19.2 | Single port. |
| Blink | 780 (40A) | Series 7 ISO (Enhanced) | AC | 9.6 | Dual Port, Standalone network capability |
| Blink | 780 (48A) | Series 7 ISO (Enhanced) | AC | 11.52 | Dual Port, Standalone network capability |
| Blink | 880 (40A) | Series 7 ISO Plus | AC | 19.2 | Single or dual port, Standalone network capability |
| Blink | 880 (40A) | Series 8 ISO (Enhanced) | AC | 9.6 | Single or dual Port, Standalone network capability |
| Blink | 880 (48A) | Series 8 ISO (Enhanced) | AC | 11.52 | Dual Port, Standalone network capability |
| Blink | 880 (80A) | Series 8 ISO Plus | AC | 19.2 | Dual Port, Standalone network capability |
| Blink | 01-0578 | Blink 180kW | DC | 180 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdeMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | 200-000320-A | Blink 200kW | DC | 200 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdeMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | 01-0581 | Blink 240kW | DC | 240 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdeMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | 01-0568 | Blink 300kW | DC | 300 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdeMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | 01-0569 | Blink 360kW | DC | 360 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdeMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | C50#####C80##### | C Series | DC | 600 | Up to 8 ports. Kempower Power Unit supplies DC power to various distributed dispenser outputs including but not limited to the Kempower Satellite (offers single or dual port configurations), the Kempower Liquid Cooled Satellite, etc. - Details about qualifications relevant to each variant is detailed in the corresponding notes section. |
| BTC Power | HPCT3-###-480-# /HPCD7-500-###-01 | Gen4 Public Dispenser | DC | 360 | Dual port. |
| BTC Power | HPCD6-500-05-005 | | DC | 360 | Can power up to 4 dual port Fleet Dispensers to 1 Power Cabinet and charge sequentially, can charge up to 8 vehicles sequentially as a result. |
| CHAEVI | CV-3FD180P-IJL | SONIC | DC | 180 | Dual port. Stand-Alone Equipment 120,150,180kW Serial-UL listed. Dynamic Load Balancing Available. NACS Cable Adaptable |
| CHAEVI | CV-3UD403P-NCC3 | SUPERSONIC | DC | 400 | All-in-One Equipment - UL, CTEP listed - Dynamic Load Balancing Available - CCS/NACS Cable |
| CHAEVI | DCV-3FD180-ICN | DUOCONIC | DC | 180 | Dual port. Stand-Alone Equipment 120,150,180kW Serial-UL listed. Dynamic Load Balancing Available |
| Cyber Switchin | CSE1-4G-BL | CSE1 | AC | 11.5 | Single Port |
| Cyber Switchin | CSE1-WIFI-BL | CSE1 | AC | 11.5 | Single Port |
| Epic Charging | EC48-AC | Epic48 | AC | 11.5 | Single Port, Standalone network capability |
| Epic Charging | EC80-AC | Epic80 | AC | 19.2 | Single Port, Standalone network capability |
| EverCharge | EVO02-48-E800-1000 | EVO2 | AC | 11.52 | Single Port, Standalone network capability |
| EverCharge | EVO02-48-E800-1000-40A | EVO2 | AC | 8.3 | Single Port, Standalone network capability |
| EverCharge | EVO02-80-E800-1001 | EVO2 | AC | 19.2 | Single Port, Standalone network capability |
| EverCharge | EVO02-80-E800-1001-40A | EVO2 | AC | 8.3 | Single Port, Standalone network capability |
| EVSI | JC-94F2-350-0T5 | DC Charger 350kW | DC | 350 | Dual port. CCS / NACS(Optional), OCPP 2.0.1 will be supported |
| EVSI | JC-94F2-400-0T5 | DC Charger 400kW | DC | 400 | Dual port. CCS / NACS(Optional), OCPP 2.0.1 will be supported |
| EVSI | JC-9932-190-CT | DC Charger 180kW | DC | 180 | Dual port. CCS / NACS(Optional), OCPP 2.0.1 will be supported |
| EVSI | JC-9932-240-CT | DC Charger 240kW | DC | 240 | Dual port. CCS / NACS(Optional), OCPP 2.0.1 will be supported |
| Gravity | GR-LH500CX | | DC | 500 | |
| Gravity | GT-AH2000X | | DC | 200 | |
| Gravity | GT-AV2000X | | DC | 200 | |
| Gravity | GT-LV500EX | | DC | 500 | |
| Gravity | GT-LH500EX | | DC | 500 | |
| Gravity | GT-LV500CX | | DC | 500 | |
| OpConnect | IC80 | IC80 | AC | 19.2 | Single Port NRTL Listed as EX-1193-1 |
| OpConnect | SC80 | SC80 | AC | 19.2 | Single Port NRTL Listed as EX-1193-3 |
| PowerPump | ACS50 | ACS50 | AC | 10 | Single Port. |
| TurnOnGreen | EVP1100-W/CPEVAC-11KW-J17-WEV# | EVP1100-W/CPEVAC-11KW-J17-WEV# | AC | 11.4 | Single Port |
| TurnOnGreen | EVP700-W/CPEVAC-7KW-J17-WEV# | EVP700-W/CPEVAC-7KW-J17-WEV# | AC | 7.6 | Single Port |
| Zerova | AXLU111001/AX48 | AX48 | AC | 11 | Single Port, Standalone network capability, OCA Full and Security certificates under software version V1.00 |
| Zerova | AXLU191001/AX80 | AX80 | AC | 19.1 | Single Port, Standalone network capability |
| Zerova | DQWA242 | DQ240 | DC | 240 | Configurable to four or two cables |
| Zerova | DQWA360 | DQ360 | DC | 360 | Configurable to four or two cables |
| Zerova | DQWA482 | DQ480 | DC | 480 | Configurable to four or two cables |
| Zerova | DTWA240 | DT240 | DC | 240 | Configurable to four or two cables |
| Zerova | DZWU482 | DZ480 | DC | 480 | Configurable to two, four, or six cables |

Fleet

| Brand | Model | Model Name | Type | Max Power (kW) | Notes |
|----------------|----------------------------------|---------------------------|------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alptronic | HYC400-1 | Hypercharger | DC | 100 | 1-4 Ports |
| Alptronic | HYC400-2 | Hypercharger | DC | 200 | 1-4 Ports |
| Alptronic | HYC400-3 | Hypercharger | DC | 300 | 1-4 Ports |
| Alptronic | HYC400-4 | Hypercharger | DC | 400 | 1-4 Ports |
| Alptronic | HYC50 | Hypercharger | DC | 50 | 1-2 Ports |
| Autel | AC W12-L4G | AC Elite | AC | 12 | Single Port ; OCPP Full Certificate with software version V1.13.97 |
| Autel | DC HiPower | DC HiPower | DC | 640 | The DC HiPower has a power cabinet with dispenser set up. It comes in 320, 480, or 640kW options and can be purchased with 2, 4, 6, or 8 ports depending on the number of dispensers. |
| Autel | Maxi UW19C002 | MaxiCharger AC Pro 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19C001 | MaxiCharger AC 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19L002 | MaxiCharger AC Pro 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19L001 | MaxiCharger AC 80A | AC | 19.2 | Single port. |
| Autel | UF####001 | AC Ultra | AC | 19.2 | Single Port or Dual Port. No credit card reader |
| Autel | UF####101 | AC Ultra | AC | 19.2 | Single Port or Dual Port |
| Autel | UF060A3001 | Maxicharger DC Fast 60KW | DC | 60 | Single or dual port |
| Autel | UF080A3001 | Maxicharger DC Fast 80KW | DC | 80 | Single or dual port |
| Autel | UF100A3001 | Maxicharger DC Fast 100KW | DC | 100 | Single or dual port |
| Autel | UF120A3001 | Maxicharger DC Fast 120KW | DC | 120 | Single or dual port |
| Autel | UF140A4001 | Maxicharger DC Fast 140KW | DC | 140 | Single or dual port |
| Autel | UF160A4001 | Maxicharger DC Fast 160KW | DC | 160 | Single or dual port |
| Autel | UF180A4001 | Maxicharger DC Fast 180KW | DC | 180 | Single or dual port |
| Autel | UF200A4001 | Maxicharger DC Fast 200KW | DC | 200 | Single or dual port |
| Autel | UF220A4001 | Maxicharger DC Fast 220KW | DC | 220 | Single or dual port |
| Autel | UF240A4001 | Maxicharger DC Fast 240KW | DC | 240 | Single or dual port |
| Blink | 01-0202 (MQ 200) | MQ 200 | AC | 12 | Single Port; NRTL listed as LiteOn MQW2-50C-M2-R#-#-23 and HQW2-50C-R#-#-#-23 |
| Blink | 01-0207-LTE (IQ 200 Advanced) | IQ 200 Advanced | AC | 19.2 | Single Port |
| Blink | 780 | Series 7 ISO Single | AC | 19.2 | Single port. |
| Blink | 780 (40A) | Series 7 ISO (Enhanced) | AC | 9.6 | Dual Port, Standalone network capability |
| Blink | 780 (48A) | Series 7 ISO (Enhanced) | AC | 11.52 | Dual Port, Standalone network capability |
| Blink | 780 Series | Series 7 ISO Plus | AC | 19.2 | Dual Port, Standalone network capability |
| Blink | 880 (40A) | Series 8 ISO (Enhanced) | AC | 9.6 | Single or dual Port, Standalone network capability |
| Blink | 880 (48A) | Series 8 ISO (Enhanced) | AC | 11.52 | Dual Port, Standalone network capability |
| Blink | 880 (80A) | Series 8 ISO Plus | AC | 19.2 | Dual Port, Standalone network capability |
| Blink | 01-0578 | Blink 180KW | DC | 180 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdEMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | 200-000320-A | Blink 200KW | DC | 200 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdEMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | 01-0581 | Blink 240KW | DC | 240 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdEMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | 01-0568 | Blink 300KW | DC | 300 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdEMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | 01-0569 | Blink 360KW | DC | 360 | Dual Port ; either 2 x CCS or 1x CCS + 1x CHAdEMO or or 1x CCS + 1x NACS or 2 x NACS |
| Blink | C50#####C80##### | C-Series | DC | 600 | Up to 8 ports. Kempower Power Unit supplies DC power to various distributed dispenser outputs including but not limited to the Kempower Satellite (offers single or dual port configurations), the Kempower Liquid Cooled Satellite, etc. Details about qualifications relevant to each variant is detailed in the corresponding notes section. |
| BTC Power | HPC13-###480-# /HPCD7-500-###-01 | Gen4 Public Dispenser | DC | 360 | Dual port. |
| BTC Power | HPCD6-500-05-005 | | DC | 360 | Can power up to 4 dual port Fleet Dispensers to 1 Power Cabinet and charge sequentially, can charge up to 8 vehicles sequentially as a result. |
| CHAEVI | CV-3FD180P-IUL | SONIC | DC | 180 | Dual port. Stand-Alone Equipment 120,150,180KW Serial-UL listed. Dynamic Load Balancing Available. NACS Cable Adaptable |
| CHAEVI | CV-3UD403P-NCC3 | SUPERSONIC | DC | 400 | All-in-One Equipment - UL, CTEP listed - Dynamic Load Balancing Available - CCS/NACS Cable |
| CHAEVI | DCV-3FD180-1CN | DUOCONIC | DC | 180 | Dual port. Stand-Alone Equipment 120,150,180KW Serial-UL listed. Dynamic Load Balancing Available |
| Cyber Switchin | CSE1-4G-BL | CSE1 | AC | 11.5 | Single Port |
| Cyber Switchin | CSE1-WiFi-BL | CSE1 | AC | 11.5 | Single Port |
| Epic Charging | EC48-AC | Epic48 | AC | 11.5 | Single Port, Standalone network capability |
| Epic Charging | EC80-AC | Epic80 | AC | 19.2 | Single Port, Standalone network capability |
| Epic Charging | EC48-AC | Epic48 | AC | 11.5 | Single Port, Standalone network capability |
| Epic Charging | EC80-AC | Epic80 | AC | 19.2 | Single Port, Standalone network capability |
| EVbolt | EVB-AC-PAX19 | Prestige 19 | AC | 19.1 | Single Port, Standalone network capability |
| EverCharge | EVD02-48-E800-1000 | EVD2 | AC | 11.52 | Single Port, Standalone network capability |
| EverCharge | EVD02-48-E800-1000-40A | EVD2 | AC | 8.3 | Single Port, Standalone network capability |
| EverCharge | EVD02-80-E800-1001 | EVD2 | AC | 19.2 | Single Port, Standalone network capability |
| EverCharge | EVD02-80-E800-1001-40A | EVD2 | AC | 8.3 | Single Port, Standalone network capability |
| EverCharge | EVC5001#### | EVC5001#### | AC | 12 | Single port. |
| EvoCharge | EVO32-310-001 | IEVSE Plus 32 | AC | 7.7 | Single Port, Standalone network capability |
| EvoCharge | EVO32-310-002 | IEVSE Plus 32 | AC | 7.7 | Dual Port, Standalone network capability |
| EvoCharge | EVO32-320-001 | IEVSE 32 | AC | 7.7 | Single Port, Standalone network capability |
| EvoCharge | EVO32-320-002 | IEVSE 32 | AC | 7.7 | Dual Port, Standalone network capability |
| EvoCharge | EVO30-###-### | MAX30 | AC | 19.2 | |
| EvoCharge | W3-1962-#### | EVSE | AC | 9.6 | |
| EVSiS | JC-94F2-350-0T5 | DC Charger 350KW | DC | 350 | Dual port. CCS / NACS(Optional), OCPP 2.0.1 will be supported |
| EVSiS | JC-94F2-400-0T5 | DC Charger 400KW | DC | 400 | Dual port. CCS / NACS(Optional), OCPP 2.0.1 will be supported |
| EVSiS | JC-9932-100-CT | DC Charger 100KW | DC | 100 | CCS/CHAdEMO (optional), OCPP 2.0.1 will be supported |
| EVSiS | JC-9932-180-CT | DC Charger 180KW | DC | 180 | Dual port. CCS / NACS(Optional), OCPP 2.0.1 will be supported |
| EVSiS | JC-9932-240-CT | DC Charger 240KW | DC | 240 | Dual port. CCS / NACS(Optional), OCPP 2.0.1 will be supported |
| Gravity | GR-LH500CX | | DC | 500 | |
| Gravity | GT-AH2000X | | DC | 200 | |
| Gravity | GT-AV2000X | | DC | 200 | |
| Gravity | GT-LAV500EX | | DC | 500 | |
| Gravity | GT-LH500EX | | DC | 500 | |
| Gravity | GT-LV500CX | | DC | 500 | |
| OpConnect | C80 | C80 | AC | 19.2 | Single Port NRTL Listed as EX-1193-1 |
| OpConnect | OC-IC3-32AH | | AC | 7.2 | Single Port, Standalone network capability |
| OpConnect | OC-SC3-32AN | | AC | 7.7 | Single Port, Standalone network capability |
| OpConnect | SC80 | SC80 | AC | 19.2 | Single Port NRTL Listed as EX-1193-3 |
| PowerPump | AC350 | AC350 | AC | 10 | Single port. |
| TurnOnGreen | EVP1100-W/CPEVAC-11KW-117-WEV# | | AC | 11.4 | Single Port |
| TurnOnGreen | FSP1200/CPEVDC-120KW-# | FSP1200 | DC | 120 | Single Port, CCS connector |
| TurnOnGreen | FSP600/CPEVDC-60KW-# | FSP600 | DC | 60 | Single Port, CCS connector |
| Zerova | AXU111001/AX48 | AX48 | AC | 11 | Single Port, Standalone network capability, OCA Full and Security certificates under software version V1.00 |
| Zerova | AXU110101/AX80 | AX80 | AC | 19.1 | Single Port, Standalone network capability |
| Zerova | DQW4242 | DQ240 | DC | 240 | Configurable to four or two cables |
| Zerova | DQW4360 | DQ360 | DC | 360 | Configurable to four or two cables |
| Zerova | DQW4482 | DQ480 | DC | 480 | Configurable to four or two cables |
| Zerova | DSWU122 | ICS DS120 | DC | 120 | 1x CCS1 connector 1x CHAdEMO connector |
| Zerova | DSWU182 | ICS DS180 | DC | 180 | 1x CCS1 connector 1x CHAdEMO connector; OCA Full and Security certificates under software version V1.00 |
| Zerova | DSWU501 | ICS DS60 | DC | 60 | 1x CCS1 connector 1x CHAdEMO connector |
| Zerova | DSWU901 | | DC | 90 | 1x CCS1 connector 1x CHAdEMO connector |
| Zerova | DTWA240 | DT240 | DC | 240 | Configurable to four or two cables |
| Zerova | DZWU482 | DZ480 | DC | 480 | Configurable to two, four, or six cables |

Network - Fleet

| Brand | Network | Notes |
|------------|-------------------|----------------------------------------------------|
| AmpUp | AmpUp | |
| Autel | Autel Cloud | OCPP Full certificate for software version 2.0.105 |
| Blink | Blink Network | |
| Charli | | |
| Charging | Charli Charging | |
| EV Connect | EVConnect | |
| EvoCharge | EvoCharge Network | |
| Gravity | Gravity Network | |
| OpConnect | OpConnect Network | |
| PowerPump | PowerPump | |

Network - Commercial

| Brand | Network | Notes |
|------------|-------------------|----------------------------------------------------|
| AmpUp | AmpUp | |
| Autel | Autel Cloud | OCPP Full certificate for software version 2.0.105 |
| Blink | Blink Network | |
| Charli | | |
| Charging | Charli Charging | |
| EV Connect | EVConnect | |
| OpConnect | OpConnect Network | |
| PowerPump | PowerPump | |

Attachment 6: Pacific Power Fleet Make Ready FAQ's

➤ **Incentives**

Custom incentives help pay upfront costs for electrical infrastructure and installation of EV fleet projects (excludes EV charger equipment costs).

➤ **Eligible costs**

Eligible pilot costs include engineering, permitting and construction costs for any work done on the customer's side of the meter.

➤ **How is funding disbursed?**

Participants receive two funding distributions before and after construction.

Fleet Make-Ready Pilot

Our Fleet Make-Ready Pilot helps fleet managers easily and cost-effectively install electric vehicle charging infrastructure so they can move ahead with clean transportation.

By participating in the pilot, businesses receive expert guidance and financial incentives to help them take advantage of the cost-saving, clean-air benefits of electric vehicles.

Frequently Asked Questions

General Questions

Who is eligible to participate in the Fleet Make-Ready Pilot?

All Pacific Power Oregon non-residential customers with an active commercial vehicle fleet and who own, purchase or lease a minimum of two electric vehicles during the pilot period are eligible to participate.

Where can I get more information about the pilot?

Please visit our website at PacificPower.net/Fleet.

What are the participant requirements to receive funding?

- Qualifying applicants must be the property or site owners or individuals authorized to make operational decisions for the site applicant.
- Eligible projects must be within Pacific Power's Oregon service area and must have non-residential metering.
- Applicants must own, purchase or lease at least two electric vehicles during the pilot period and share proof of purchase.

- Applicants must agree to and sign the Customer Participation Agreement and associated utility easements or agreements for any utility-owned electric new or upgraded infrastructure.
- Applicants must submit pre-permitted and permitted project design plans and post-construction documentation for incentive reservations and releases.
- Projects must designate, purchase, and install level 2 or DCFC EV charging stations from Pacific Power's Qualified Product List, keeping the chargers operational for 10 years. It's important to note that the Custom Incentive does not cover the cost of the charging equipment.
- Charging units are required to be networked or have Wi-Fi connectivity with the ability to share charging data with Pacific Power.
- Charging equipment is required to have software and be network enabled.
- Applicants must agree to keep the infrastructure operational and share customer charging data with Pacific Power for 10 years.

Pilot Questions

Is there a maximum number of applications that I can submit for the pilot?

No, there is no maximum limit to the number of applications you can submit for the pilot. However, please note that applicants with multiple applications will be reviewed and discussed to determine priorities. Each application will be evaluated on its individual merits, and participation will be determined accordingly.

Due to limited availability, priority consideration will be given to the following entities:

- Small to medium businesses
- Public agencies or municipalities
- Nonprofit organizations
- Educational institutions
- Healthcare institutions

Even if a project is eligible, it may not receive funding.

What costs is the custom incentive eligible to cover?

The custom incentive covers project design, engineering, permitting and construction costs, as estimated by the pilot. The custom incentive does not cover the costs associated with purchasing charging equipment.

What if the charging equipment I want to use is not on the Pacific Power Qualified Products List?

To qualify for the custom incentive, all installed Electric Vehicle Supply Equipment (EVSE) must be listed on the Pacific Power Qualified Products List

Does my charging equipment have to be Wi-Fi enabled or networked?

All EVSE equipment must be networked and enabled to qualify for funding. Participants agree to share charging data with Pacific Power and keep chargers operational for 10 years.

Does my project need to be separately metered, or can I connect it to my existing meter panel?

To be eligible to participate and receive funding, all projects must be separately metered. Connecting a project to an existing meter panel will make the participant ineligible for funding.

What are Clean Fuels Credits?

The Oregon Clean Fuels Program

The Clean Fuels Program encourages reductions in carbon intensity by allowing a fuel provider to sell credits they have earned by going beyond the reduction goals for that year. Those excess credits can be saved to offset future deficits the entity may incur or for future sale as demand increases <https://www.oregon.gov/deq/ghgp/cfp/Pages/Advance-Crediting.aspx>

Attachment 7: ODOT's EPRI Approved Charger List

Oregon Department of Transportation - Approved Product List

Updated March 19, 2025

These Chargers and Networks meet the program requirements established by Oregon Department of Transportation.

All equipment must:

- Be new and installed for the first time. Previously installed or rebuilt equipment is ineligible. Replacement of broken equipment is eligible, but projects must still follow the minimum port requirements.
- Be purchased and not leased.
- Have a minimum two-year warranty, either from the manufacturer, a third party, or the contractor. ODOT strongly encourages extended warranties.
- Note - future rounds of this program will:
 - > require funded EV chargers that are ISO 15118 "Hardware Ready", which includes conformance to ISO 15118-3 and hardware capable of implementing ISO 15118-2 and/or ISO 15119-2 [FE-9A] and that conforms to ISO 15118-2 and be capable of Plug and Charge [FE-9B].
 - > use EPRI's filters to only include chargers that are compliant with the Open Charge Point Interface 2.0.1 (OCPI 2.0.1) [FE-10B] or [FE-11], customer support requirements [4-9] or [CA-3], and payment methods [FE-5A].

The Minimum 2yr Warranty [2-7B] Filter for AC Charging Equipment will be used future rounds of this program.

These added filters for Networks will be used in future rounds of this program:

- [4-9] or [CA-3] Customer Support
- [FE-5A] Payment - CC/Toll free/SMS
- [FE-10B] or [FE-11] OCPI

AC Charging Equipment

| Brand | Model Number | Model Name | Type | Max Power (kW) | Notes |
|-----------------|---------------------------------|---------------------------|------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATG Electronics | ATG-C01-40A | Commercial EV Charger | AC | 9.6 | Single port |
| ATG Electronics | ATG-C01-48A | Commercial EV Charger | AC | 11.5 | Single port |
| Autel | AC W12-L-4G | AC Elite | AC | 12 | Single Port ; OCPP Full Certificate with software version v1.13.97 |
| Autel | Maxi UW19C002 | MaxiCharger AC Pro 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19CJ02 | MaxiCharger AC 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19L002 | MaxiCharger AC Pro 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19L802 | MaxiCharger AC 80A | AC | 19.2 | Single port. |
| Autel | Maxi UW19L002 | MaxiCharger AC 80A | AC | 19.2 | Single port. |
| Autel | UF###001 | AC Ultra | AC | 19.2 | Single Port or Dual Port. No credit card reader |
| Autel | UF###101 | AC Ultra | AC | 19.2 | Single Port or Dual Port |
| Blink | 01-0202 (IMO 200) | MQ2 200 | AC | 12 | Single Port; NRTL listed as LiteOn MQW2-S0C-M2-R8-#-23 and HQW2-S0C-#-NB-#-23 |
| Blink | 01-0202-LITE (IQ 200 Advanched) | IQ 200 Advanced | AC | 19.2 | Single Port |
| Blink | 780 | Series 7 ISO Single | AC | 19.2 | Single port. |
| Blink | 780 (40A) | Series 7 ISO (Enhanced) | AC | 9.6 | Dual Port, Standalone network capability |
| Blink | 780 (50A) | Series 7 ISO (Enhanced) | AC | 11.52 | Dual Port, Standalone network capability |
| Blink | 780 series | Series 7 ISO Plus | AC | 19.2 | Dual Port, Standalone network capability |
| Blink | 880 (40A) | Series 8 ISO (Enhanced) | AC | 9.6 | Single or dual Port, Standalone network capability |
| Blink | 880 (48A) | Series 8 ISO (Enhanced) | AC | 11.52 | Dual Port, Standalone network capability |
| Blink | 880 (80A) | Series 8 ISO Plus | AC | 19.2 | Dual Port, Standalone network capability |
| BTC Power | EVP-2001-32-# | L2W-32-240-##-### | AC | 7.68 | Single port. BTC Power Hardware is network/backend agnostic, but also provide our own basic network option if needed |
| BTC Power | EVP-2001-48-# | L2W-48-240-##-### | AC | 11.52 | Single port. BTC Power Hardware is network/backend agnostic, but also provide our own basic network option if needed |
| BTC Power | EVP-2001-80-# | L2W-80-240-##-### | AC | 19.2 | Single port. BTC Power Hardware is network/backend agnostic, but also provide our own basic network option if needed |
| BTC Power | EVP-2002-32-# | L2P-32-240-##-### | AC | 7.68 | Dual port. BTC Power Hardware is network/backend agnostic, but also provide our own basic network option if needed |
| BTC Power | EVP-2002-48-# | L2P-48-240-##-### | AC | 11.52 | Dual port. BTC Power Hardware is network/backend agnostic, but also provide our own basic network option if needed |
| BTC Power | EVP-2002-80-# | L2P-80-240-##-### | AC | 19.2 | Dual port. BTC Power Hardware is network/backend agnostic, but also provide our own basic network option if needed |
| ChargePoint | CP6###X-50A-L# | 6000 Series | AC | 12 | CP6000 family, NA, AC Station, 1 or 2 x Type 1 Cable, 50A or 80A, 1-Phase, 18' or 23' Cable, 6' or 8' Cable Management Kit, Pedestal or Wall Mount, 8" Touch Display, Contactless Credit Card and RFID Reader, Cellular/Wi-Fi, UL, Power Share Jumper, 1YR Parts Warranty, Optional credit card reader |
| ChargePoint | CP6###X-80A-L# | 6000 Series | AC | 19.2 | CP6000 family, NA, AC Station, 1 or 2 x Type 1 Cable, 50A or 80A, 1-Phase, 18' or 23' Cable, 6' or 8' Cable Management Kit, Pedestal or Wall Mount, 8" Touch Display, Contactless Credit Card and RFID Reader, Cellular/Wi-Fi, UL, Power Share Jumper, 1YR Parts Warranty, Optional credit card reader |
| ChargePoint | CPF50-L#-***** | CPF50 | AC | 12 | CPF50 family, Single or Dual Port, Pedestal or Wall Mount, 50A, Type 1, Cable 18' or 23', Single Phase Charger, Cable Management Kit optional |
| ChargePoint | CT40##-GW1-***** | CT4000 | AC | 7.2 | CT4000 family, NA, AC Station, 1 or 2 x Type 1 Cable, 30A, 1-Phase, 18' or 23' Cable, 6' or 8' Cable Management Kit, Pedestal or Wall Mount, 5.7" Display, Contactless Credit Card and RFID Reader |
| ChargeSmart EV | CSEV-AC-HP | AC Ultra | AC | 19.2 | Single Port or Dual Port. No credit card reader |
| ChargeTronix | CTC-CAC80 | FLUX AC | AC | 19.2 | Single or double port. |
| ChargeTronix | CTX-C32-240-1 | FLUX AC 32A | AC | 7.6 | Single port. |
| ChargeTronix | CTX-C40-240-2 | FLUX AC Dual 40A | AC | 19.2 | Dual port. |
| ChargeTronix | CTX-C48-240-1 | FLUX AC 48A | AC | 11.5 | Single port. |
| ChargeTronix | CTX-C80-240-1 | FLUX AC Single 80A | AC | 19.2 | Single port. |
| ChargeTronix | CTX-C80-240-2 | FLUX AC Dual 80A | AC | 19.2 | Dual port. |
| ChargeTronix | CTX-CAC88 | FLUX AC | AC | 11.6 | Single port. |
| Charge | CH-L-48-PRA-1-18 | | AC | 11.52 | |
| Charge | CH-L-48-PRA-1-18-32 | | AC | 7.68 | |
| Charge | CH-L-48-PRA-1-18-40 | | AC | 9.6 | |
| Charge | CH-L-48-PRA-1-25 | | AC | 11.52 | |
| Charge | CH-L-48-PRA-1-25-32 | | AC | 7.68 | |
| Charge | CH-L-48-PRA-1-25-40 | | AC | 9.6 | |
| Charge | CH-L-48-PRAC-1-18 | | AC | 11.52 | |
| Charge | CH-L-48-PRAC-1-18-32 | | AC | 7.68 | |
| Charge | CH-L-48-PRAC-1-18-40 | | AC | 9.6 | |
| Charge | CH-L-48-PRAC-1-25 | | AC | 11.52 | |
| Charge | CH-L-48-PRAC-1-25-32 | | AC | 7.68 | |
| Charge | CH-L-48-PRAC-1-25-40 | | AC | 9.6 | |
| Charge | CH-L-48-PRACT-1-18 | | AC | 11.52 | |
| Charge | CH-L-48-PRACT-1-18-3 | | AC | 7.68 | |
| Charge | CH-L-48-PRACT-1-18-4 | | AC | 9.6 | |
| Charge | CH-L-48-PRACT-1-25 | | AC | 11.52 | |
| Charge | CH-L-48-PRACT-1-25-3 | | AC | 7.68 | |
| Charge | CH-L-48-PRACT-1-25-4 | | AC | 9.6 | |
| Charge | CH-L-48-PRAT-1-18 | | AC | 11.52 | |
| Charge | CH-L-48-PRAT-1-18-32 | | AC | 7.68 | |
| Charge | CH-L-48-PRAT-1-18-48 | | AC | 9.6 | |
| Charge | CH-L-48-PRAT-1-25 | | AC | 11.52 | |
| Charge | CH-L-48-PRAT-1-25-32 | | AC | 7.68 | |
| Charge | CH-L-48-PRAT-1-25-40 | | AC | 9.6 | |
| Cyber Switching | CSE1-4G-BL | CSE1 | AC | 11.5 | Single Port |
| Cyber Switching | CSE1-WIFI-BL | CSE1 | AC | 11.5 | Single Port |
| Eaton | GMEV80CME1B-WC/G | Green Motion EV Charger | AC | 9.6 | |
| Eaton | GMEV40CME1B-WC/G | Green Motion EV Charger | AC | 9.6 | |
| Eaton | GMEV80CME1-WC | Green Motion Building Pro | AC | 11.5 | Single port. |
| Eaton | GMEV40CME1-WC | Green Motion Building Pro | AC | 11.5 | Single port. |
| Eaton | GMEV80CIE1B-WC/G | Green Motion EV Charger | AC | 19.2 | |
| Eaton | GMEV80CME1B-AA | Green Motion EV Charger | AC | 19.2 | AB Phasing/Cellular |
| Eaton | GMEV80CME1B-AB | Green Motion EV Charger | AC | 19.2 | BC Phasing/Cellular |
| Eaton | GMEV80CME1B-AC | Green Motion EV Charger | AC | 19.2 | CA Phasing/Cellular |
| Eaton | GMEV80CME1-WC | Green Motion Fleet Pro | AC | 19.2 | Single port. |
| Eaton | GMEV80CME1B-AA | Green Motion EV Charger | AC | 19.2 | AB Phasing/Wi-Fi |
| Eaton | GMEV80CME1B-AB | Green Motion EV Charger | AC | 19.2 | BC Phasing/Wi-Fi |
| Eaton | GMEV80CME1B-AC | Green Motion EV Charger | AC | 19.2 | CA Phasing/Wi-Fi |
| Eaton | GMEV80CME1B-WC/G | Green Motion EV Charger | AC | 19.2 | |
| Eaton | GMEV80CME1-WC | Green Motion Fleet Pro | AC | 19.2 | Single port. |

Networks for Less than 4 Ports

(Required for Public/Workplace)

| Brand | Network | Notes |
|-------------------|------------------------|----------------------------------------------------|
| AMPECO | AMPECO Charge | |
| AmpUp | AmpUp | |
| Autel | Autel Cloud | OCPP Full certificate for software version 2.0.105 |
| Blink | Blink Network | |
| Buzze Inc. | Buzze | Single port. |
| Charge America | Charge America Network | |
| ChargePoint | ChargePoint Network | |
| ChargePoint | ChargePoint Network | |
| Charli Charging | Charli Charging | |
| Eaton | Eaton Network | |
| EV Connect | EVConnect | |
| Electrify America | Electrify America | |
| EV Connect | EVConnect | |
| FLO | FLO Network | |
| Gravity | Gravity Network | |
| Noodoe | OpConnect Network | OCPP Full certificate for software version v1.0.2 |
| OpConnect | OpConnect Network | |
| Plugio | Plugio | |
| PowerFlex System | PowerFlex Systems Ne | |
| PowerPump | PowerPump | |
| Wevo Energy | Wevo Energy | |

Networks for 4 or More Ports

(Required for Public/Workplace; Optional for Multi-Family Locations)

| Brand | Network | Notes |
|------------------|------------------------|----------------------------------------------------|
| AMPECO | AMPECO Charge | |
| AmpUp | AmpUp | |
| Autel | Autel Cloud | OCPP Full certificate for software version 2.0.105 |
| Blink | Blink Network | |
| Charge America | Charge America Network | |
| ChargePoint | ChargePoint Network | |
| Charli Charging | Charli Charging | |
| Eaton | Eaton Network | |
| EV Connect | EVConnect | |
| FLO | FLO Network | |
| Gravity | Gravity Network | |
| Noodoe | OpConnect Network | OCPP Full certificate for software version v1.0.2 |
| OpConnect | OpConnect Network | |
| PowerFlex System | PowerFlex Systems Ne | |
| PowerPump | PowerPump | |

| | | | | | |
|-------------------|-------------------------------|----------------------------|----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elinta Charge, UA | CC-V2-USA-COM-PAY | CityCharge V2 | AC | 9.6 | Dual port, All-in-One Dual Charging System, Standalone, Spiral Cable, Network Capable EVSE, Optional Credit Card Reader. |
| Elinta Charge, UA | CC-M2-USA-COM-PAY | CityCharge Mini2 | AC | 9.6 | Dual port, All-in-One Dual Charging System, Standalone, Spiral Cable, Network Capable EVSE, Optional Credit Card Reader. |
| Emporia | EVESE1 | EV Charger | AC | 11.52 | |
| Epic Charging | EC48-AC | Epic48 | AC | 11.5 | Single Port, Standalone network capability |
| Epic Charging | EC80-AC | Epic80 | AC | 19.2 | Single Port, Standalone network capability |
| Epic Charging | ECB48-AC | Epic48 | AC | 11.5 | Single Port, Standalone network capability |
| Epic Charging | ECB80-AC | Epic80 | AC | 19.2 | Single Port, Standalone network capability |
| Espen | EVC/A48S2 | EVC/A48S2 | AC | 11.5 | Single port. |
| Espen | EVC/A48S2 | EVC/A48S2 | AC | 11.5 | Dual Port |
| Espen | EVC/A80S | EVC/A80S | AC | 19.2 | Single port. |
| EVbolt | EVB-AC-PAX19 | Prestige 19 | AC | 19.1 | Single Port, Standalone network capability |
| EVbox | zpn 102303-##### | zpn | AC | 7.2 | Dual Port, Standalone network capability |
| EVCHRON | M3C-19.2KA | M3C-19.2KA | AC | 19.2 | |
| EVCHRON | M3C-09K6A | M3C-09K6A | AC | 9.6 | |
| EVCHRON | M3C-11K5A | M3C-11K5A | AC | 11.5 | |
| EVCHRON | M3C-15K6A | M3C-15K6A | AC | 15.6 | |
| EverCharge | EV002-48,EB00-1000 | EV02 | AC | 11.52 | Single Port, Standalone network capability |
| EverCharge | EV002-48,EB00-1000 | EV02 | AC | 8.3 | Single Port, Standalone network capability |
| EverCharge | EV002-80,EB00-1001 | EV02 | AC | 19.2 | Single Port, Standalone network capability |
| EverCharge | EV002-80,EB00-1001 | EV02 | AC | 8.3 | Single Port, Standalone network capability |
| EVGateway | EGW-#C-32-# | | AC | 7.7 | |
| EVGateway | EGW-#C-40-# | | AC | 9.6 | |
| EVGateway | EGW-#C-48-# | | AC | 11.5 | |
| EVGateway | EGW-EX-1193-# | | AC | 19.2 | |
| EvoCharge | EVCS001#### | EVCS001#### | AC | 12 | Single port. |
| EvoCharge | EVCS002#### | EVCS002#### | AC | 12 | Single port. |
| EvoCharge | EVCS003#### | EVCS003#### | AC | 12 | Single port. |
| EvoCharge | EV032-310-001 | EVSE Plus 32 | AC | 7.7 | Single Port, Standalone network capability |
| EvoCharge | EV032-310-002 | EVSE Plus 32 | AC | 7.7 | Dual Port, Standalone network capability |
| EvoCharge | EV032-320-001 | EVSE 32 | AC | 7.7 | Single Port, Standalone network capability |
| EvoCharge | EV032-320-002 | EVSE 32 | AC | 7.7 | Dual Port, Standalone network capability |
| EvoCharge | EV080-###-### | MAX80 | AC | 19.2 | |
| EvoCharge | W1-1962-#### | EVSE | AC | 9.6 | |
| EVPassport | Rosa Charger | Rosa | AC | 11 | Single Port, Standalone network capability |
| EVSE LLC | 3703 ChargeWorks EV Charger | | AC | 9.6 | Single port, Must acquire Gateway for network connectivity |
| EVSE LLC | 3722 EVSE Garage Overhead Cha | | AC | 9.6 | Single port, Must acquire Gateway for network connectivity |
| EVSE LLC | 3704 REV G | AutoCoil EV Charger | AC | 9.6 | Single port, Must acquire Gateway for network connectivity |
| EVSE LLC | 3704-002 REV G | AutoCoil EV Charger | AC | 9.6 | Single port, Must acquire Gateway for network connectivity |
| FLO | CoRe™ MAX | CoRe™ MAX | AC | 19.2 | Single Port |
| FLO | CoRe™ STD 21 FT | CoRe™ | AC | 7.2 | Dual Port, Standalone network capability |
| FLO | SmartTWO™ | SmartTWO™ Series | AC | 7.2 | Single Port, Standalone network capability |
| FLO | SmartTWO Cellular | SmartTWO™ Series | AC | 7.2 | Single Port, Standalone network capability |
| FLO | SmartTWO For City C | SmartTWO™ Series | AC | 7.2 | Single Port, Standalone network capability |
| Ford Pro Charging | FPC-AC0048ZC-### | Ford Pro AC Charging Stati | AC | 11.5 | Single Port |
| Ford Pro Charging | FPC-AC0080ZC-U### | Ford Pro AC Charging Stati | AC | 19.2 | Single Port |
| Ford Pro Charging | FPC-AC00112C-U### | | AC | 11.5 | NRTL Listed as EX-1193-1 |
| Ford Pro Charging | FPC-AC00132C-U### | | AC | 19.2 | NRTL listed as Siemens 8EM1314-5CG14-2FA2 |
| FractalEV | FR482CIDRNVAI | FR48 | AC | 11.5 | Single port |
| FractalEV | FR802CIDRNVAI | FR80 | AC | 19.2 | Single port |
| Free2Move | E21CA180bx | | AC | 11 | Single Port, Standalone network capability; OCA Full and Security certificates under software version V1.00 |
| Free2Move | E21CH012### | | AC | 11 | Single Port, Standalone network capability; OCA Full and Security certificates under software version V1.00 |
| Free2Move | E21CH0180bx | | AC | 19.2 | Single Port, Standalone network capability |
| InCharge | ICE-80A Dual | ICE-80A Dual | AC | 19.2 | Dual port. |
| InCharge | ICE-80A Gen1 | ICE-80A Gen1 | AC | 19.2 | Single port. |
| InCharge | ICE-80A Gen2 | ICE-80A Gen2 | AC | 19.2 | Single port. |
| InCharge | EX-1193-1 | | AC | 19.2 | Single Port |
| Integra Energy | EV-48SEL | EV-48SEL | AC | 11.5 | NRTL Listed as EX-1193-1 |
| Integra Energy | EV-80SEL | EV-80SEL | AC | 19.2 | Single port. |
| IoTecha | CCS-ACL2 / CCS-C80A | CCS-C80A-xyyy | AC | 19.2 | Single Port. xx - cable length (15 or 25ft) yyy - LTE option |
| IoTecha | CCS-ACL2-40 / CCS-C40 | CCS-ACL2-40 / CCS-C40A | AC | 8.3 | Single Port. xx - cable length (15 or 25ft) yyy - LTE option |
| IoTecha | CCS-C80C | CCS-C80C-xyyy | AC | 19.2 | Single Port. xx - cable length (15 or 25ft) yyy - LTE option |
| Legrand | LNA-EVC1-48-SV1 | Networked Level 2 Comm | AC | 11.5 | |
| Loop Global | EVS-32A-L2-001 | EV-Fleet | AC | 7.68 | SAE J1772, Standalone network capability |
| Loop Global | EVS-32A-L2-002 | EV-Fleet | AC | 7.68 | SAE J1772, Standalone network capability |
| Loop Global | EVS-80A-L2-001 | EV-Fleet | AC | 19.2 | SAE J1772, Standalone network capability |
| Loop Global | EVS-80A-L2-002 | EV-Fleet | AC | 19.2 | SAE J1772, Standalone network capability |
| Noodoe | AC11P/AC11P Exceed | | AC | 11.5 | Single port. |
| OpConnect | IC80 | IC80 | AC | 19.2 | Single Port |
| OpConnect | QC-IC3-32AH | | AC | 7.2 | NRTL Listed as EX-1193-1 |
| OpConnect | QC-SC3-32AN | | AC | 7.7 | Single Port, Standalone network capability |
| OpConnect | SC80 | SC80 | AC | 19.2 | Single Port |
| PowerFlex System | EX-1193-A | IC 80A Gen2 | AC | 19.2 | NRTL Listed as EX-1193-3 |
| PowerFlex System | NT-EVC10 (PF-JT48) | | AC | 11.52 | Single port. |
| PowerFlex System | W1-UC168-OMF3FR | ADV48A / SC48 | AC | 11.6 | Must acquire Nexus |
| PowerFlex System | W1-UC168-OMK1ER | IC 48A | AC | 11.6 | Single port. |
| PowerFlex System | W1-UC168-OML1EP | IC 48A with POS | AC | 11.6 | Single port. |
| PowerPump | AC550 | AC550 | AC | 10 | Single port. |
| RAB Lighting Inc. | EVCA8 | EVCA8 | AC | 11 | Single Port, Standalone network capability; OCA Full and Security certificates under software version V1.00 |
| Siemens | 8EM13105HF141GA2 | VersiCharge AC 48A NTEP | AC | 11.5 | Single Port, Standalone network capability |
| Siemens | 8EM13155HG141GA2 | VersiCharge Blue AC 48A N | AC | 11.5 | Single Port, Standalone network capability |
| Siemens | VersiCharge 11.5KW8E | VersiCharge | AC | 11.5 | Single Port, Standalone network capability |
| Siemens | VersiCharge 11.5KW8E | VersiCharge | AC | 11.5 | Single Port, Standalone network capability |
| Siemens | VersiCharge 9.6kW8E1 | VersiCharge | AC | 9.6 | Single Port, Standalone network capability |
| Siemens | VersiCharge 9.6kW8E1 | VersiCharge | AC | 9.6 | Single Port, Standalone network capability |
| Siemens | VersiCharge 9.6kW8E1 | VersiCharge | AC | 9.6 | Single Port, Standalone network capability |
| Siemens | VersiCharge 9.6kW8E1 | VersiCharge | AC | 9.6 | Single Port, Standalone network capability |
| StarCharge | AC#RAN030##### | Axtems | AC | 19.2 | Single port. |
| SWTCH Energy | AX80 | | AC | 19.1 | Single Port, Standalone network capability |
| SWTCH Energy | EX-1193-1 | SWTCH Lite-On Platinum IC | AC | 19.2 | Single Port |
| SWTCH Energy | EX-1193-3 | SWTCH Lite-On Platinum S | AC | 19.2 | NRTL Listed as EX-1193-3 |
| SWTCH Energy | IC3-32A-H-A | SWTCH Lite-On Platinum IC | AC | 7.6 | Single Port |
| SWTCH Energy | SC3-32A-H | SWTCH Lite-On Platinum S | AC | 7.6 | NRTL Listed as IC3-32A-H-A |
| TurnOnGreen | SUP1100-W/CP/EA/C | | AC | 11.4 | Single Port |
| Wallbox | PULP1-#-1-S-#-#-# | Pulsar Plus | AC | 9.6 | Single Port |
| Wallbox | PULP1-#-1-S-#-#-# | | AC | 9.6 | # is a hold for cable length, connector type, power supply version, custom, and color. Payment terminal requirements aren't met by charger independently. We do allow integration with EVSP that have cloud-to-cloud integrations with payment terminals or kiosks. Examples can be provided. |
| Wallbox | PULP1-#-6-#-#-#-# | Pulsar Pro 48A | AC | 11.5 | Single Port, Standalone network capability; OCA Full and Security certificates under software version V1.00 |
| Xeal | AXL-2511-3 | Keal-32A | AC | 7.7 | Single port. |
| Zerova | AXLU111001/AX48 | AX48 | AC | 11 | Single Port, Standalone network capability; OCA Full and Security certificates under software version V1.00 |
| Zerova | AXLU191001/AX80 | AX80 | AC | 19.1 | Single Port, Standalone network capability |

Attachment 8: ODOT CCR Detailed Eligibility Requirements

DETAILED LIST OF ELIGIBILITY REQUIREMENTS



Eligible Applicants

Applicants must:

1. Be a business, non-profit organization, or state, local or Tribal government entity. Businesses and non-profits must be licensed to do business in Oregon, in good standing, and hold a valid Oregon Business License.
2. Be the Site Owner of an eligible location or their Authorized Agent with a Site Verification and Recipient Acknowledgment Form. Third-party organizations may assist Eligible Applicants in the application process, or apply for a rebate on their behalf, but the rebate must go to the EV Charging Equipment Owner.

Note: federal government entities and individuals applying as individuals (not on behalf of an eligible applicant), including individual residents or tenants of a multi-family housing, are not eligible applicants.

Eligible Locations

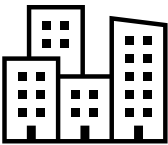
EV chargers must be located on real property within the State of Oregon to be eligible for a rebate. Eligible applicants must install a minimum number of Level 2 charger ports at one of the following types of sites:

1. Publicly accessible parking site



- Examples include public/private lots, tourist destinations, public parks/buildings, retail locations, hotels, restaurants, transit stations, curbside parking.
- Must be available to public a minimum of 60 hours per week.
- Locations cannot be fenced off to public or reserved for the exclusive use of an individual driver or group of drivers.
- Charging equipment must be networked. *

2. Multi-family Housing (MFH) site



- Examples include apartment buildings, townhouses, condominiums, or co-ops.
- Must have 5 or more units and at least 5 parking spaces.
- Can be restricted to resident use only or broader group (but not individual tenants).
- Charging equipment can be networked or non-networked.

3. Workplace site

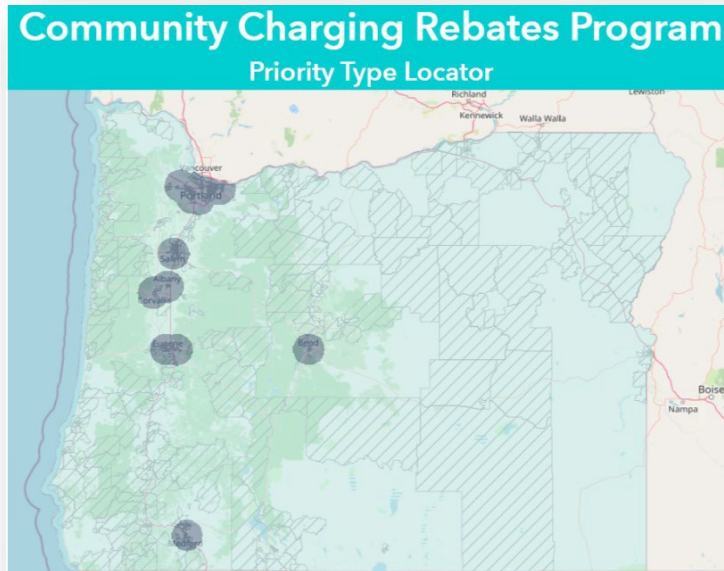


- Examples include office buildings, manufacturing facilities, universities, schools, hospitals, and other healthcare facilities.
- A parking site with parking spaces that primarily serve employees who work at or nearby the location.
- Charging equipment must be networked.*

**“networked” refers to a combination of charging station components and software that allow for, through an internet connection or cell data, centralized management, administration, communication, diagnostics, and data collection.*

Priority Communities

Seventy percent (70%) of rebate funds are reserved for projects located within priority communities, defined as disadvantaged and rural communities. ODOT is using its statewide equity layer to determine disadvantaged communities and the Office of Rural Health’s designation as non-urban to determine rural communities.



To determine if your project is located in a priority community, type in the project address on our searchable Priority Type Locator map [here](#).

The remaining funding (30%) is for projects located anywhere in the state. Once this tranche of funding is spent, applicants of projects located outside a priority community must wait until the next round of funding to apply.

Rebate Levels

Rebate levels vary based on the site type:

| Project Type | Charger Type | Maximum Rebate per Port | |
|-------------------------------------------------------------|--------------|----------------------------------------------|----------------------------------------------|
| | | <11.5 kW Charger | ≥ 11.5 kW Charger |
| Publicly accessible parking, including right-of-way parking | Level 2 | \$5,250, up to 75% of eligible project costs | \$6,250, Up to 75% of eligible project costs |
| Workplace - accessible to all employees | Level 2 | \$3,500, up to 75% of eligible project costs | |
| | Level 1 | \$750 | |
| Multi-family housing - accessible to all residents | Level 2 | \$5,500, up to 75% of eligible project costs | |
| | Level 1 | \$750 | |

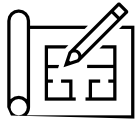


- Workplace and public sites must install a minimum of two (2) Level 2 charging ports per project site and multi-family housing sites must install a minimum of four (4) Level 2 charging ports per project site.
- All project sites, whether public, workplace or MFH sites, may apply for a maximum of twelve (12) Level 2 charging ports per project site. ODOT encourages applicants to combine rebates with federal, state, or local agency/utility incentives to further offset the cost of charging equipment purchase and installation.
- Applicants are not eligible to apply for a rebate on any EV charger that is part of a project site receiving funding from the National EV Infrastructure (NEVI) formula program, the Carbon Reduction Program, or the EV Charger Reliability and Accessibility Accelerator (EVC-RAA).

- All final rebate amounts are determined by the total eligible project costs. As such, rebate amounts will not be the same for every project and final awards may vary from initial Reservation amounts.

Eligible Project Costs

The following equipment and costs are eligible for rebate funds under this Program:



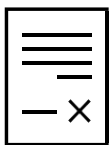
- EV charging equipment.
- EV charging equipment installation costs, including labor and materials.
- Planning and engineering design costs.
- Electric service upgrades, including stub outs, transformer, electric panels, utility service order.
- Project signage.
- Site lighting.
- Local permit costs.
- ADA compliance (curb cuts, path of travel, striping, etc.).
- Network agreement with network provider (up to 3 years, if paid in advance).
- Maintenance contract or a service level agreement, including a parts warranty (up to 5 years, if paid in advance).
- Extended equipment/parts warranties, up to five years.
- Electric micromobility accommodations (e.g., security features for locking bikes, 110V outlet on L2 chargers).

Ineligible costs include EV charging equipment leasing costs (leased equipment is not eligible under this Program), existing equipment purchased, or costs incurred before the Program Effective Date (June 13, 2023), real estate acquisition costs, construction or general maintenance of buildings and parking facilities, administrative costs, electric supply costs, upgrades to utility-owned electrical infrastructure, any project costs offset by other incentive programs.

Eligible Technology

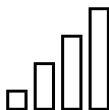
Level 2 charging equipment installed under this Program must be qualified by the Electric Power Research Institute (EPRI) as meeting a set of minimum requirements determined by ODOT. As part of the qualification process, charging equipment vendors provide technical information to EPRI to verify that products meet minimum specifications. EV charging qualifications are updated on a periodic basis. A current list of qualified chargers can be found on the Community Charging Rebate program website here. In addition, charging equipment installed under this program must meet the following requirements:

All Level 2 charging equipment:



- All EV charging equipment must be new and installed for the first time. Previously installed or rebuilt equipment is ineligible. Replacement of broken equipment is eligible, but projects must still follow the minimum port requirements.
- Must be purchased and not leased.
- Must be compliant with SAE J1772 technical standard.
- Must be rated at a minimum of 7.2 kW output electric power.

Note: ODOT strongly encourages any dual port stations installed under this Program to be rated at 9.6 kW or higher, enabling higher charging speeds when two cars are plugged in simultaneously. This will enhance customer satisfaction while contributing to future proofing parking lots for increased EV adoption and improved vehicle technologies. Chargers rated at 11.5 kW or higher installed at public sites are eligible for a higher per-port rebate.



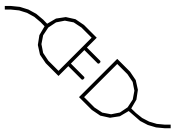
- Must have a minimum two-year warranty, either from the manufacturer, a third party, or the Contractor. ODOT strongly encourages extended warranties.
- Must be network-capable, allowing site hosts to add networking in the future without replacing the entire unit.
- Must be certified by a Nationally Recognized Laboratory Program (NRTL) to UL 2954 standard.
- Be capable of withstanding temperature extremes, with normal operation from -22°F to 104°F (UL 2954).
- Must be suitable for outdoor application and certified with a minimum rating of NEMA 3R or better to withstand extreme weather conditions, including temperature extremes, flooding, heavy rains, and high winds.
- Must be Energy Star certified.

Networked Level 2 charging equipment must include¹:

- Interoperability.
- Consumer Access, Payment, and Pricing Transparency.
- Customer Service Support.

Level 1 charging installed under this Program (multi-family housing sites only) may include wall or pedestal mounted charging equipment or a standard 110/120-volt outlet, and must meet the following requirements:

- Any equipment must be new. Previously installed, rebuilt or replacement equipment is ineligible.
- Each plug/outlet must be capable of providing a minimum of 1.4 kW output electric power concurrently.
- 110/120-volt outlets must be:
 - National Electrical Manufacturers Association (NEMA) commercial grade outlets that meet National Electric Code (NEC) requirements.
 - A GFCI (ground fault circuit interrupter) outlet with an outlet cover.
 - On a dedicated circuit rated for 20 amps.
 - Placed in a convenient location for plug-in vehicle or micromobility operators to plug in their portable Level 1 EVSE or e-micromobility cordsets.



Technical Assistance

Technical support and assistance to potential and existing rebate Applicants will be provided by Forth, in collaboration with ODOT. If you need technical assistance, contact Forth at: odotchargingrebates@forthmobility.org or (503) 724-8670

Technical assistance provided includes:

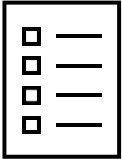
- Answering questions about the rebate eligibility and process.
- Assisting Eligible Applicants with filling out and submitting a Rebate application.
- Providing high-level information about installing, maintaining, and operating eligible Level 2 and Level 1 charging infrastructure.
- Providing high-level guidance regarding EV chargers that follow ODOT's minimum standards and requirements.
- Providing information about other resources related to Applicant's project, such as that pertaining to the Oregon Clean Vehicle Rebate Program or Clean Fuels Program.

¹ See Program Guidelines for minimum networking specifications.

- Developing guidance documents, FAQs, and other resources to assist with the application process.
- Frequent budget updates when funding rounds are active, hosted on the CCR webpage.

Forth will follow up with Applicants within three (3) business days of receiving an inquiry.

Additional Resources on the [CCR Website](#):



- Program Guidelines
- Required Documents Checklist
- CCR Frequently Asked Questions
- CCR 2-Page Fact Sheet
- EV Charging 101
- Questions to Ask Your Utility Provider
- Ideal Site Hist Locations
- Pre-Installation Application Guide
- Post-Installation Application Guide
- Climate Office Transportation Electrification Webpage

Questions?

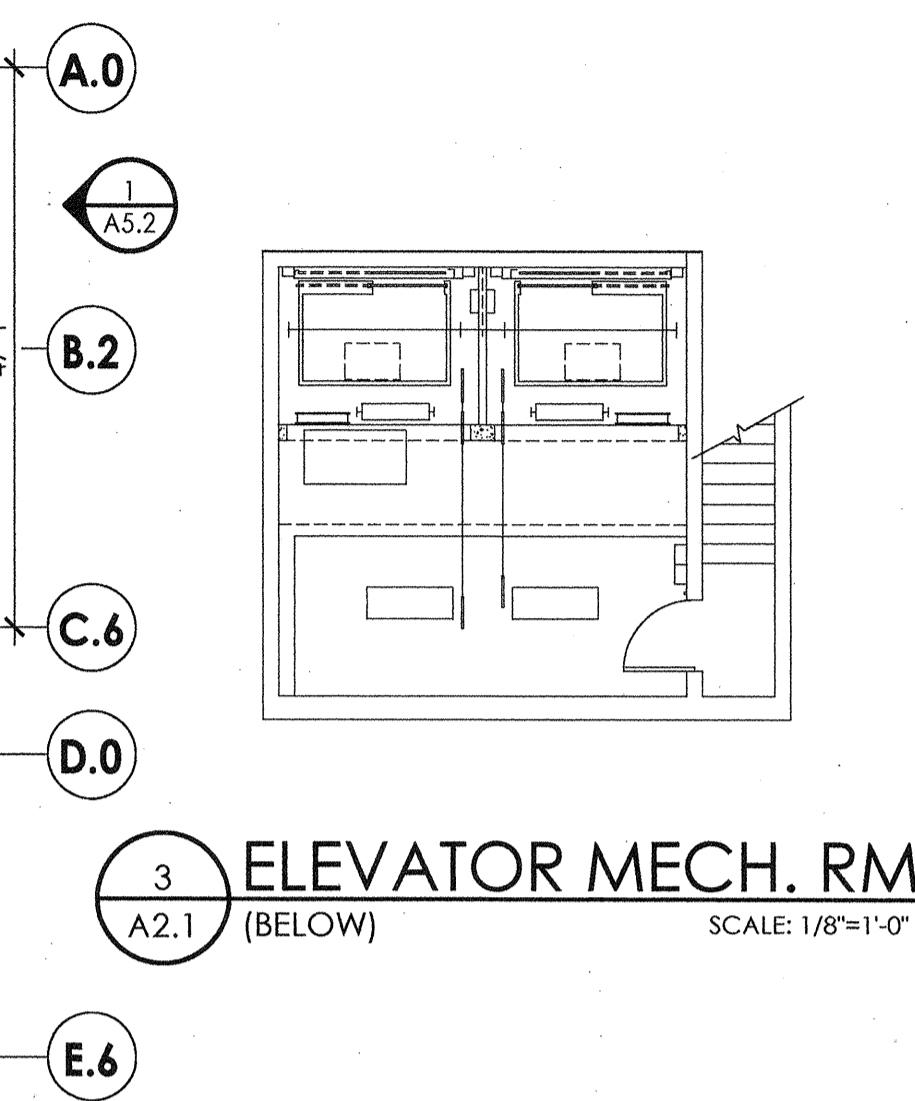
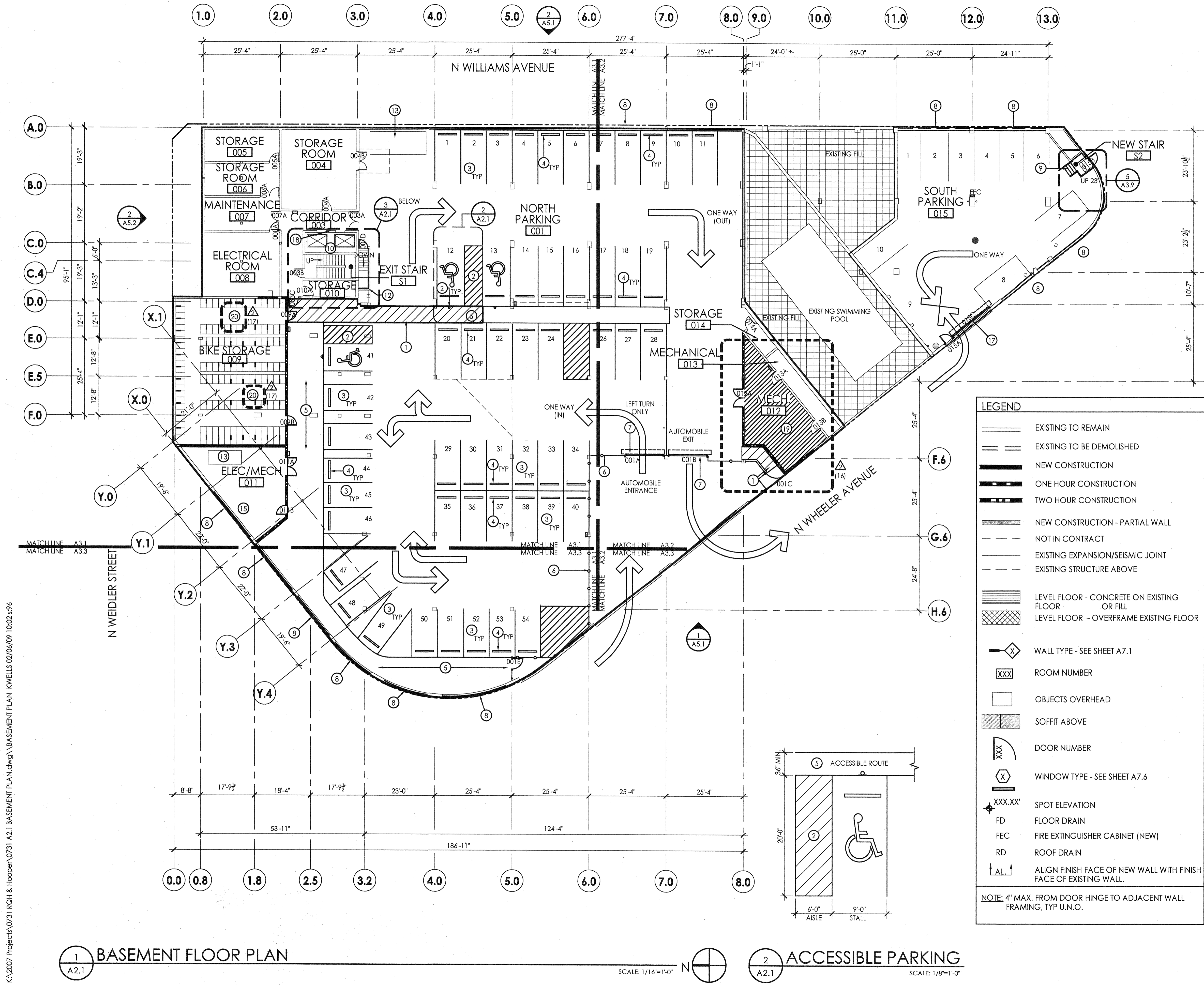
Contact communitychargingrebates@odot.oregon.gov



Stay Connected with the Community Charging Rebates program.

[“Subscribe for more EV and CCR News!”](#)

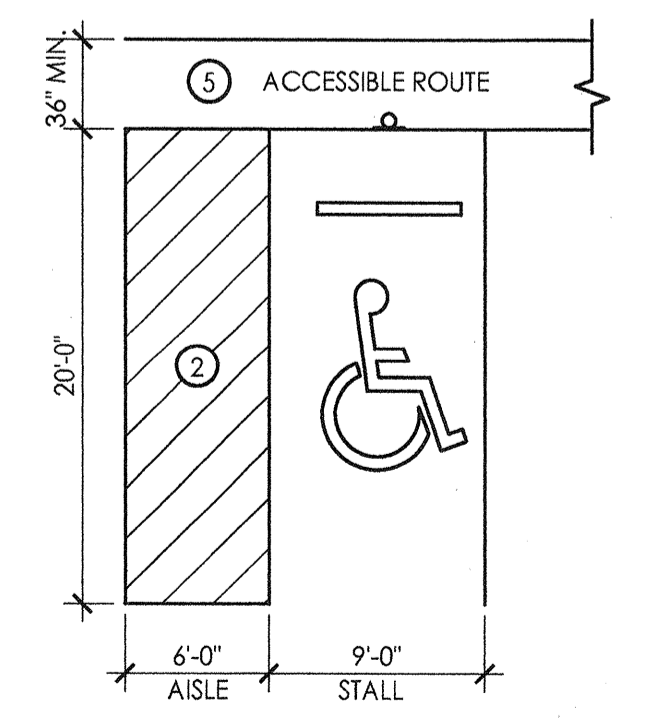
Attachment 9: Madrona Parking Garage Drawings



3 ELEVATOR MECH. RM
A2.1 (BELOW)
SCALE: 1/8"=1'-0"

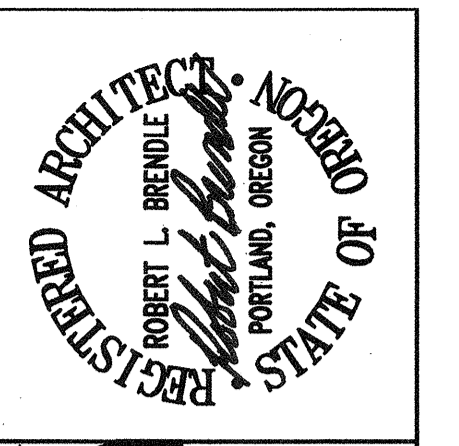
| LEGEND | |
|--------|------------------------------------------------------------------|
| | EXISTING TO REMAIN |
| | EXISTING TO BE DEMOLISHED |
| | NEW CONSTRUCTION |
| | ONE HOUR CONSTRUCTION |
| | TWO HOUR CONSTRUCTION |
| | NEW CONSTRUCTION - PARTIAL WALL |
| | NOT IN CONTRACT |
| | EXISTING EXPANSION/SEISMIC JOINT |
| | EXISTING STRUCTURE ABOVE |
| | LEVEL FLOOR - CONCRETE ON EXISTING FLOOR OR FILL |
| | LEVEL FLOOR - OVERFRAME EXISTING FLOOR |
| | WALL TYPE - SEE SHEET A7.1 |
| | ROOM NUMBER |
| | OBJECTS OVERHEAD |
| | SOFFIT ABOVE |
| | DOOR NUMBER |
| | WINDOW TYPE - SEE SHEET A7.6 |
| | SPOT ELEVATION |
| | FLOOR DRAIN |
| | FIRE EXTINGUISHER CABINET (NEW) |
| | ROOF DRAIN |
| | ALIGN FINISH FACE OF NEW WALL WITH FINISH FACE OF EXISTING WALL. |

- FLOOR PLAN GENERAL NOTES:**
- EXISTING DIMENSIONS ARE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY.
 - FIELD VERIFY ALL CABINET DIMENSIONS. VERIFY ROUGH OPENING DIMENSIONS FOR APPLIANCES AND FIXTURES.
 - ALL PLUMBING PENETRATIONS IN ONE HOUR WALLS TO BE WITH METAL PIPE AND CONFORM TO ONE HOUR ASSEMBLY REQUIREMENTS.
 - PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED FIXTURES, EQUIPMENT, AND GRAB BARS. ALL NEW AND EXISTING WALLS TO REMAIN TO BE PATCHED/REPAIRED AS REQUIRED.
 - REPAIR/REPLACE HARDWARE, CLOSERS AND DOORS AS REQUIRED ON ALL EXIT DOORS.
 - REPAIR/REPLACE EXISTING FLOORING, WALLS, AND CEILING TILES AS REQUIRED, TYPICAL.
 - PATCH/REPAIR DEMOLITION WORK AS REQUIRED
 - PROVIDE VERTICAL LOUVER BLINDS AT ALL EXTERIOR FIRST FLOOR WINDOWS.
- BASEMENT FLOOR PLAN KEYNOTES**
- STRIPING FOR EMERGENCY EXIT PATH
 - ADA SIGNAGE & STRIPING
 - STRIPING, EACH SPACE = 8'-6" x 16' UNLESS OTHERWISE NOTED. ALIGN WITH STRUCTURAL COLUMNS.
 - WHEEL STOPS, TYP
 - WALKWAY / BICYCLE PATH
 - FLOOR TO CEILING FENCE
 - COILING OVERHEAD GRILLE WITH CARD ACCESS AND AUDIO/VISUAL SIGNALS FOR PEDESTRIANS. SEE DOOR SCHEDULE A7.3, A7.4
 - DECORATIVE METAL GRILLES @ ALL GARAGE OPENINGS WITHOUT GATES
 - STAIRS, RAILING, AND DOOR
 - UPGRADE ELEVATOR CABS TO MEET ADA REQUIREMENTS. SEE ELEVATOR SCOPE FOR ELEVATOR UPGRADES
 - NOT USED
 - CHAIN LINK FENCE AROUND STAIR
 - EXISTING EQUIPMENT TO REMAIN, PROTECT DURING CONSTRUCTION
 - RELOCATE EQUIPMENT
 - NEW EQUIPMENT. SEE ELECTRICAL DRAWINGS
 - NOT USED
 - COILING GARAGE DOOR WITH REMOTE OPERATION AND AUDIO/VISUAL SIGNALS FOR PEDESTRIANS
 - CARD READER CONNECTED TO ELEVATOR CONTROLS
 - CONCRETE SLAB ON GRADE
 - PATCH/REPAIR CONCRETE AND ASPHALT TO CREATE A SMOOTH TRANSITION BETWEEN DISIMILAR MATERIALS AND GRADES



2 ACCESSIBLE PARKING
A2.1
SCALE: 1/8"=1'-0"

1 BASEMENT FLOOR PLAN
A2.1
SCALE: 1/16"=1'-0"



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PORTLAND, OREGON 97209

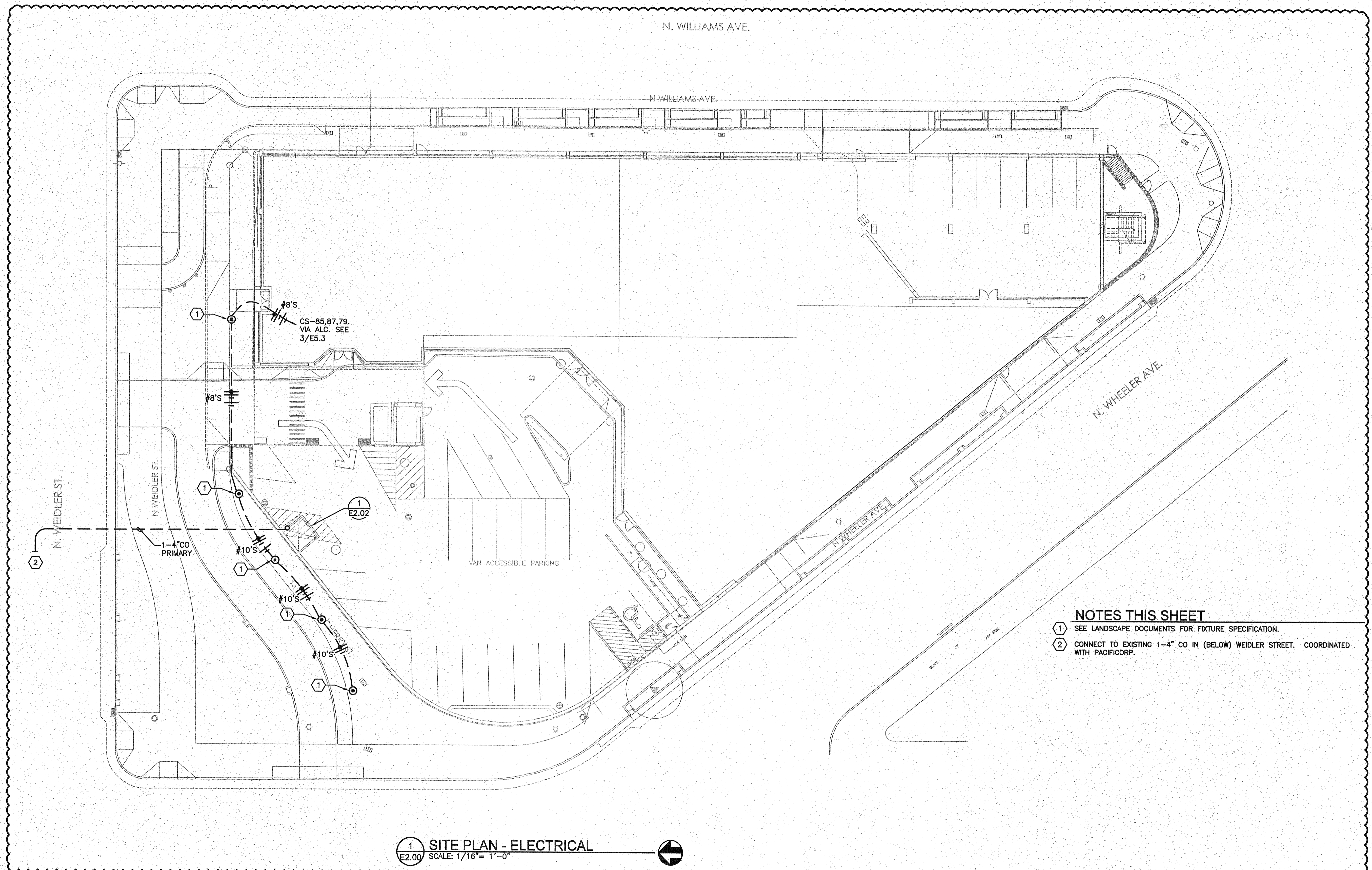
BASEMENT PLAN

| | |
|-------------------|-----------------------|
| BID SET | |
| REVISIONS: | |
| | ADDENDUM 1 (01.13.09) |
| | ADDENDUM 2 (02.06.09) |
| DATE: | 11.18.08 |
| SCALE: | |
| DRAWN: | KW |
| JOB NO: | 0731 |

A2.1

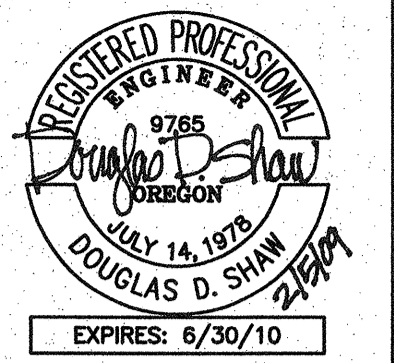
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1 SITE PLAN - ELECTRICAL
E2.00 SCALE: 1/16" = 1'-0"

- NOTES THIS SHEET**
- 1 SEE LANDSCAPE DOCUMENTS FOR FIXTURE SPECIFICATION.
 - 2 CONNECT TO EXISTING 1-4" CO IN (BELOW) WEIDLER STREET. COORDINATED WITH PACIFICORP.



AW

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103 SW BERRY STREET, PORTLAND, OREGON 97206
(503) 252-6675 Fax: (503) 247-0102 www.williamwilson.com

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PORTLAND, OREGON 97227

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232 NW SIXTH AVENUE
PORTLAND, OREGON 97209

SITE PLAN - ELECTRICAL

BID SET

REVISIONS:

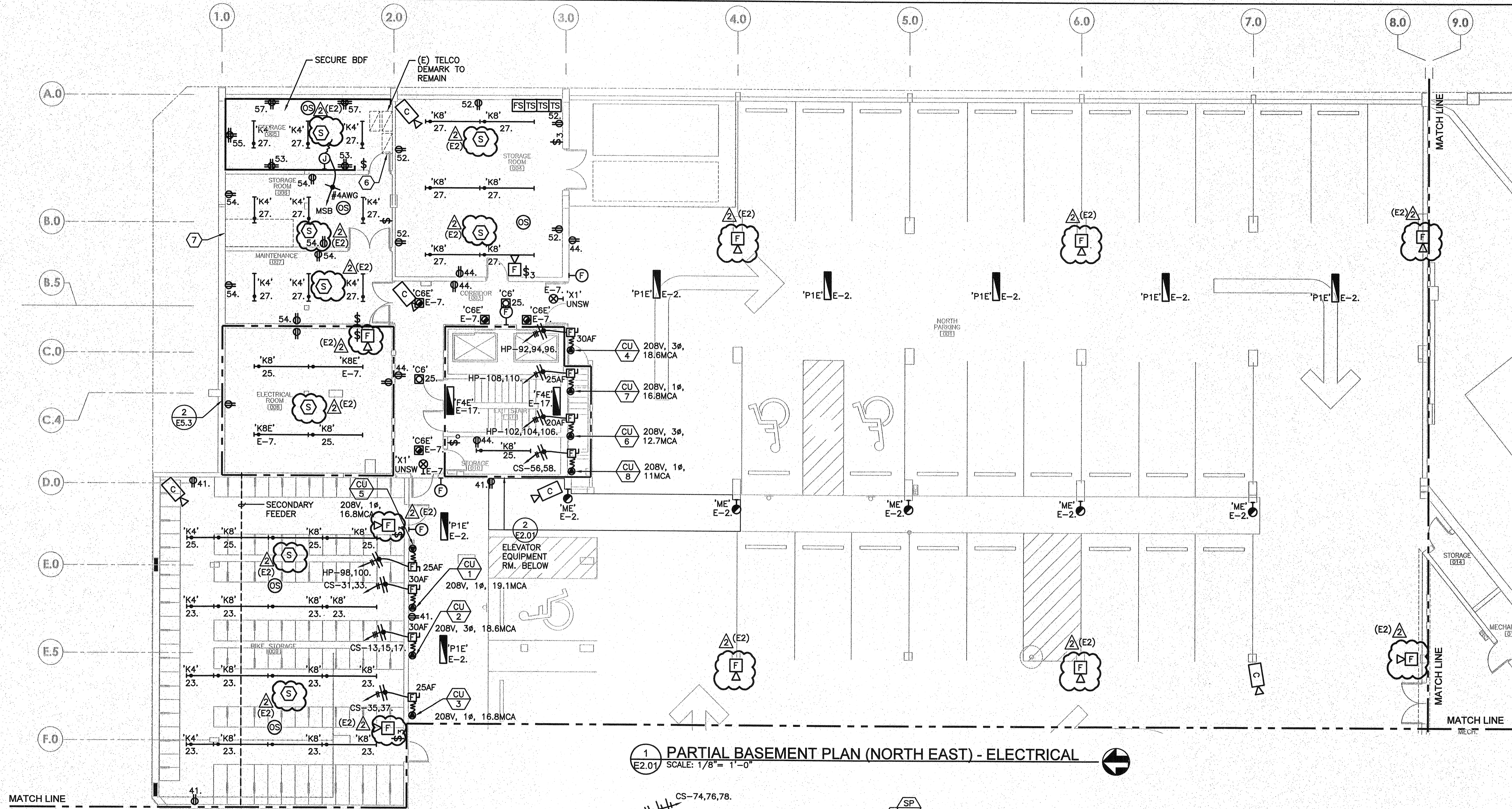
| | |
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| ADDENDUM 1 | (01.13.09) |
| ADDENDUM 2 | (02.06.09) |

| | |
|---------|---------------|
| DATE: | 11.18.08 |
| SCALE: | 1/16" = 1'-0" |
| DRAWN: | KBR |
| JOB NO: | 0731 |

E2.00

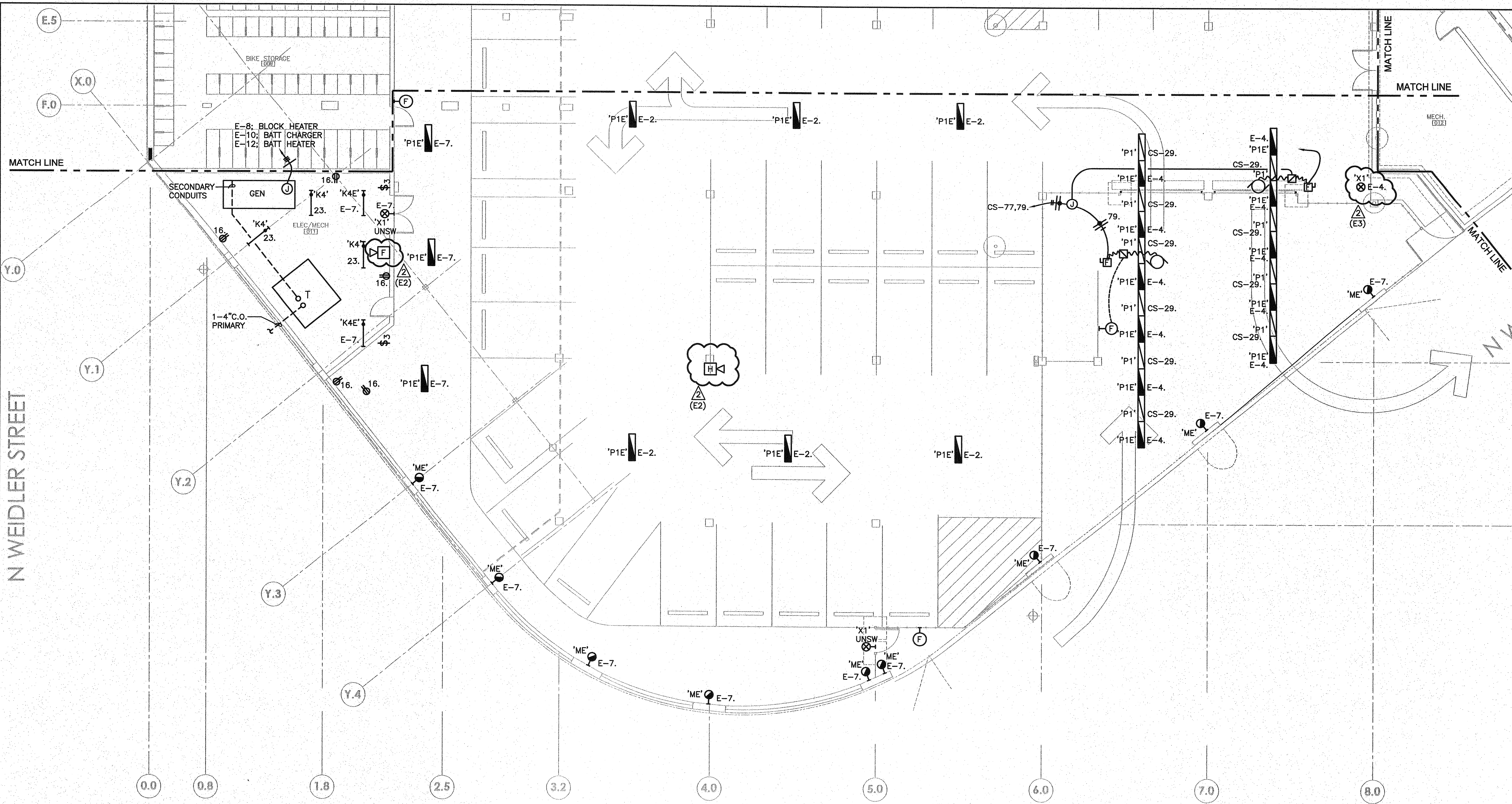
R&W
ENGINEERING, INC.
"Engineering Integrated Solutions"
9815 S.W. Allen Boulevard
Suite 107
Beaverton, Oregon 97005
Phone: (503) 726-3318
Fax: (503) 726-3328
E-mail: rwenq@rwenq.com
Project No.: 656.005.001 Contact: GREG KIENLE

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N WEIDLER STREET



1 PARTIAL BASEMENT PLAN (NORTH WEST) - ELECTRICAL
 E2.02 SCALE: 1/8" = 1'-0"

NOTE: FIRE ALARM DEVICES ARE SHOWN FOR CONTRACTOR DESIGN-BUILD INTENT ONLY. REFER TO FIRE MARSHALL APPROVED DRAWINGS FOR ACTUAL DEVICE LOCATIONS AND QUANTITIES.

GENERAL NOTES

- A. ALL BRANCH CIRCUITS WIRED TO PANEL 'CS' UNLESS OTHERWISE NOTED.

NOTES THIS SHEET

- 1 UTILITY TRANSFORMER ON PAD VAULT. COORDINATE WITH PACIFICCORP.

R&W
 ENGINEERING, INC.
 9615 S.W. Allen Boulevard
 Suite 107
 Beaverton, Oregon 97005
 Phone: (503) 726-3318
 Fax: (503) 726-3328
 E-mail: rwen@rweg.com
 Project No.: 656.005.001 Contact: GREG KIENLE

REGISTERED PROFESSIONAL ENGINEER
 9765
 Douglas D. Shaw
 JULY 14, 1979
 DOUGLAS D. SHAW
 EXPIRES: 6/30/10

AW
 William Wilson Architects PC
 1111 SE WASHINGTON STREET
 PORTLAND, OREGON 97205
 (503) 224-6499 Fax: (503) 244-0252 www.williamwilson.com

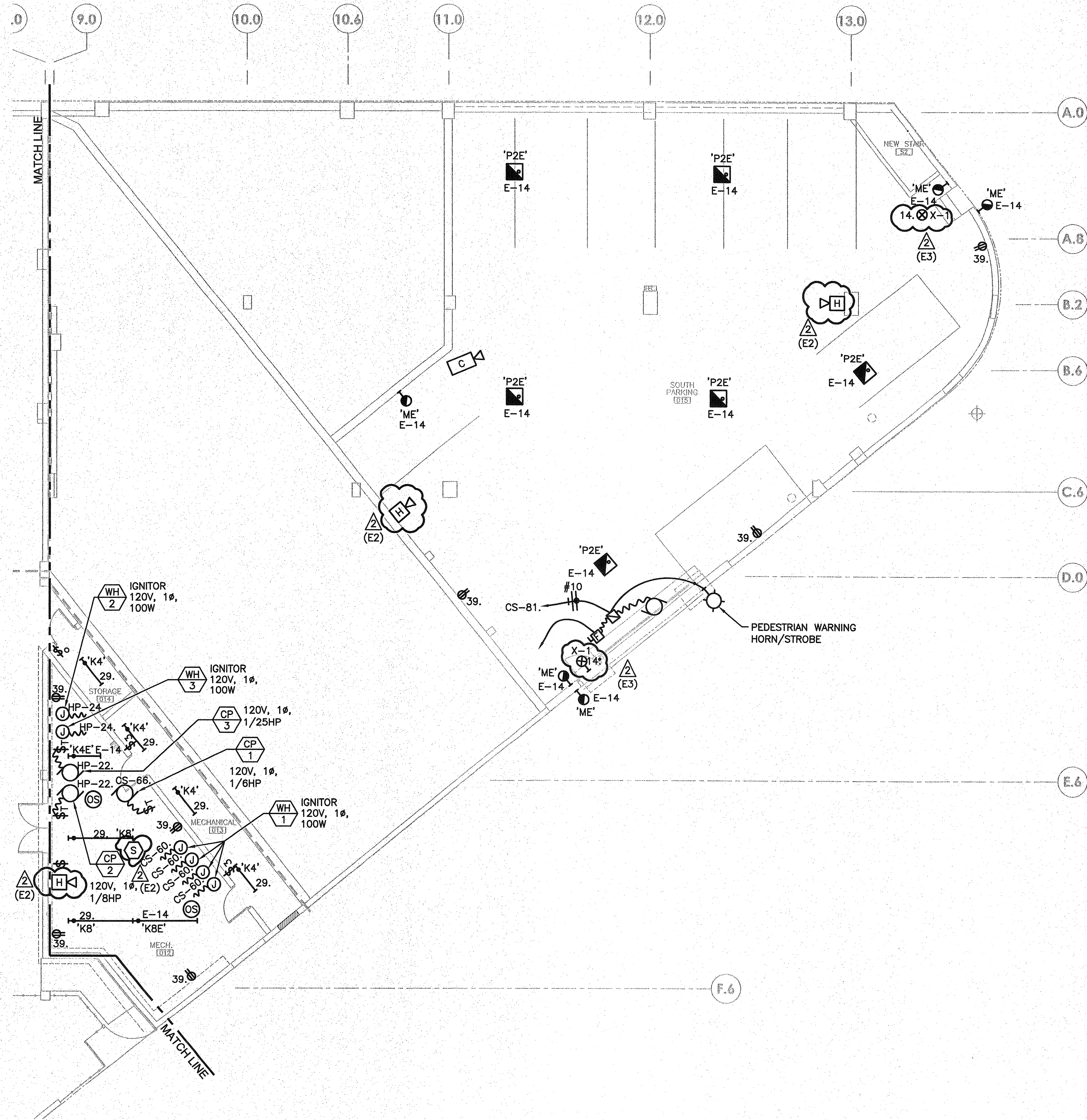
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 10 NORTH WEIDLER STREET
 PORTLAND, OREGON 97227
ROSE QUARTER HOUSING LLC
 232 NW SIXTH AVENUE
 PORTLAND, OREGON 97209

PARTIAL (NW)
 BASEMENT PLAN
 ELECTRICAL

| | |
|-------------------|------------|
| BID SET | |
| REVISIONS: | |
| ADDENDUM 1 | (01.13.09) |
| ADDENDUM 2 | (02.06.09) |
| DATE: 11.18.08 | |
| SCALE: 1/8"=1'-0" | |
| DRAWN: KBR | |
| JOB NO: 0731 | |

E2.02

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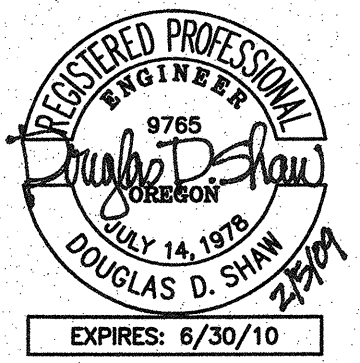


1 PARTIAL BASEMENT PLAN (SOUTH) - ELECTRICAL
E2.1 SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. ALL BRANCH CIRCUITS WIRED TO PANEL 'CS' UNLESS OTHERWISE NOTED.

NOTE: FIRE ALARM DEVICES ARE SHOWN FOR CONTRACTOR DESIGN-BUILD INTENT ONLY. REFER TO FIRE MARSHALL APPROVED DRAWINGS FOR ACTUAL DEVICE LOCATIONS AND QUANTITIES.



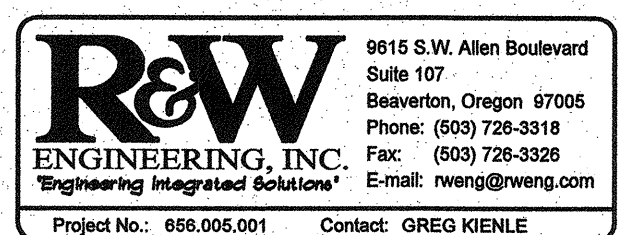
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PORTLAND, OREGON 97209

PARTIAL BASEMENT PLAN (SOUTH) ELECTRICAL

BID SET
REVISIONS:
▲ ADDENDUM 1 (01.13.09)
▲ ADDENDUM 2 (02.06.09)

DATE: 11.18.08
SCALE: 1/8"=1'-0"
DRAWN: KBR
JOB NO: 0731



E2.1

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| PANEL: E | | BUS: 225A | | VOLTAGE: 120/208V, 3PH, 4 WIRE | | | | | | |
|-------------------------|----------------------|------------------------|-----------|--------------------------------|-------|----------------|-----------|------------------------|------------------------|---------|
| FEEDER: SEE POWER RISER | | MAIN BRKR: MLO | | MOUNTING: SURFACE | | | | | | |
| CKT NO. | CIRCUIT DESCRIPTION | CKT BREAKER AMPS/POLES | LOAD TYPE | LOAD VOLT-AMPS | PHASE | LOAD VOLT-AMPS | LOAD TYPE | CKT BREAKER AMPS/POLES | CIRCUIT DESCRIPTION | CKT NO. |
| 1 | 1ST FLOOR EGRESS LTG | 20/1 | L | 1408 | A | 914 | L | 20/1 | BASEMENT PRKNG EGRESS | 2 |
| 3 | 1ST FLOOR EGRESS LTG | 20/1 | L | 896 | B | 704 | L | 20/1 | BASEMENT PRKNG EGRESS | 4 |
| 5 | 1ST FLOOR EGRESS LTG | 20/1 | L | 832 | C | 575 | Z | 20/1 | FSD | 6 |
| 7 | BASEMENT EGRESS | 20/1 | L | 1338 | A | 1500 | Z | 20/1 | GENERATOR BLOCK HEATER | 8 |
| 9 | 2ND FLOOR EGRESS LTG | 20/1 | L | 1092 | B | 1200 | Z | 20/1 | GENERATOR BATT CHARGER | 10 |
| 11 | 3RD FLOOR EGRESS LTG | 20/1 | L | 1092 | C | 1200 | Z | 20/1 | GENERATOR BATT HEATER | 12 |
| 13 | 4TH FLOOR EGRESS LTG | 20/1 | L | 1092 | A | 876 | L | 20/1 | BASEMENT PRKNG EGRESS | 14 |
| 15 | 5TH FLOOR EGRESS LTG | 20/1 | L | 1092 | B | 742 | L | 20/1 | BASEMENT PRKNG EGRESS | 16 |
| 17 | STAIR #1 EGRESS LTG | 20/1 | L | 768 | C | | | | | 18 |
| 19 | STAIR #2 EGRESS LTG | 20/1 | L | 210 | A | | | | | 20 |
| 21 | STAIR #3 EGRESS LTG | 20/1 | L | 640 | B | | | | | 22 |
| 23 | | | | | C | | | | | 24 |
| 25 | | | | | A | | | | | 26 |
| 27 | | | | | B | | | | | 28 |
| 29 | | | | | C | | | | | 30 |

| CONNECTED LOAD | | TOTAL LOAD | |NOTES..... | |
|---------------------------|----------------------------------|----------------------------------|----|-----------------|--|
| LOAD PER PHASE (VA) | A= 7338 B= 6366 C= 4467 | A= 7944 B= 6972 C= 5073 | 1. | | |
| LOAD PER PHASE (AMPS) | A= 61.15 B= 53.05 C= 37.23 | A= 66.20 B= 58.10 C= 42.27 | 3. | | |
| TOTAL LOAD (KVA @ 0.8 pf) | 18.17 | 19.99 | 5. | | |
| SPARE CAPACITY | 10.00% | 1.82 | | DATE 05-Feb-09 | |

| PANEL: ELEV | | BUS: 125A | | VOLTAGE: 277/480V, 3PH, 4 WIRE | | | | | | |
|-------------------------|----------------------|------------------------|-----------|--------------------------------|-------|----------------|-----------|------------------------|---------------------|---------|
| FEEDER: SEE POWER RISER | | MAIN BRKR: 125A | | MOUNTING: SURFACE | | | | | | |
| CKT NO. | CIRCUIT DESCRIPTION | CKT BREAKER AMPS/POLES | LOAD TYPE | LOAD VOLT-AMPS | PHASE | LOAD VOLT-AMPS | LOAD TYPE | CKT BREAKER AMPS/POLES | CIRCUIT DESCRIPTION | CKT NO. |
| 1 | ELEVATOR 1 POWER MOD | 40/3 | M | 5820 | A | 125 | L-LIGHTS | 20/1 | L-LIGHTS | 2 |
| 3 | | | | 5820 | B | | | | | 4 |
| 5 | | | | 5820 | C | | | | | 6 |
| 7 | ELEVATOR 2 POWER MOD | 40/3 | M | 5820 | A | | | | | 8 |
| 9 | | | | 5820 | B | | | | | 10 |
| 11 | | | | 5820 | C | | | | | 12 |
| 13 | | | | | A | | | | | 14 |
| 15 | | | | | B | | | | | 16 |
| 17 | | | | | C | | | | | 18 |
| 19 | | | | | A | | | | | 20 |
| 21 | | | | | B | | | | | 22 |
| 23 | | | | | C | | | | | 24 |
| 25 | | | | | A | | | | | 26 |
| 27 | | | | | B | | | | | 28 |
| 29 | | | | | C | | | | | 30 |

| CONNECTED LOAD | | TOTAL LOAD | |NOTES..... | |
|---------------------------|----------------------------------|-------------------------------------|----|-----------------|--|
| LOAD PER PHASE (VA) | A= 11764 B= 11639 C= 11639 | A= 12932 B= 12807 C= 12807 | 1. | | |
| LOAD PER PHASE (AMPS) | A= 98.04 B= 96.99 C= 96.99 | A= 107.77 B= 106.73 C= 106.73 | 3. | | |
| TOTAL LOAD (KVA @ 0.8 pf) | 35.04 | 38.55 | 5. | | |
| SPARE CAPACITY | 10.00% | 3.50 | | DATE 05-Feb-09 | |

| PANEL: H2C | | BUS: 225A | | VOLTAGE: 120/208V, 3PH, 4 WIRE | | | | | | |
|-------------------------|------------------------|------------------------|-----------|--------------------------------|-------|----------------|-----------|------------------------|------------------------|---------|
| FEEDER: SEE POWER RISER | | MAIN BRKR: MLO | | MOUNTING: SURFACE | | | | | | |
| CKT NO. | CIRCUIT DESCRIPTION | CKT BREAKER AMPS/POLES | LOAD TYPE | LOAD VOLT-AMPS | PHASE | LOAD VOLT-AMPS | LOAD TYPE | CKT BREAKER AMPS/POLES | CIRCUIT DESCRIPTION | CKT NO. |
| 1 | ELECTRICAL RM 252 REC | 20/1 | R | 180 | A | 2500 | R | 30/2 | LAUNDRY 250 DRYER REC | 2 |
| 3 | ELECTRICAL RM 252 REC | 20/1 | R | 360 | B | 2500 | R | | | 4 |
| 5 | TRASH 247 REC | 20/1 | R | 180 | C | 2500 | R | 30/2 | LAUNDRY 350 DRYER REC | 6 |
| 7 | TRASH 247 REC | 20/1 | R | 360 | A | 2500 | R | | | 8 |
| 9 | LAUNDRY 250 DRYER REC | 30/2 | R | 2500 | B | 2500 | R | 30/2 | LAUNDRY 350 DRYER REC | 10 |
| 11 | | | | 2500 | C | 2500 | R | | | 12 |
| 13 | LAUNDRY 250 DRYER REC | 30/2 | R | 2500 | A | 2500 | R | 30/2 | LAUNDRY 350 DRYER REC | 14 |
| 15 | | | | 2500 | B | 2500 | R | | | 16 |
| 17 | LAUNDRY 250 WASHER REC | 20/1 | R | 1500 | C | 1500 | R | 20/1 | LAUNDRY 350 WASHER REC | 18 |
| 19 | 2ND FLR REC | 20/1 | R | 720 | A | | | | | 20 |
| 21 | 2ND FLR REC | 20/1 | R | 720 | B | | | | | 22 |
| 23 | 3RD FLR REC | 20/1 | R | 720 | C | | | | | 24 |
| 25 | 3RD FLR REC | 20/1 | R | 720 | A | | | | | 26 |
| 27 | 2ND FLR LTG | 20/1 | L | 540 | B | | | | | 28 |
| 29 | 3RD FLR LTG | 20/1 | L | 540 | C | | | | | 30 |

| CONNECTED LOAD | | TOTAL LOAD | |NOTES..... | |
|---------------------------|-----------------------------------|-------------------------------------|----|-----------------|--|
| LOAD PER PHASE (VA) | A= 11980 B= 14120 C= 11940 | A= 13248 B= 15388 C= 13208 | 1. | | |
| LOAD PER PHASE (AMPS) | A= 99.83 B= 117.67 C= 99.50 | A= 110.40 B= 128.23 C= 110.07 | 3. | | |
| TOTAL LOAD (KVA @ 0.8 pf) | 38.04 | 41.84 | 5. | | |
| SPARE CAPACITY | 10.00% | 3.80 | | DATE 05-Feb-09 | |

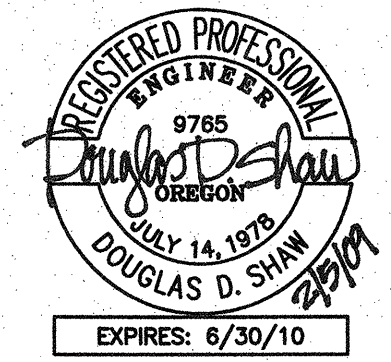
1. DRYERS: 76080 - 60000 = 16080
 60000 x 0.47 = 28200 + 16080 =
 44280 / 360 = 123A DEMAND

| PANEL: CS (SECTION 1) | | BUS: 400A | | VOLTAGE: 120/208V, 3PH, 4 WIRE | | | | | | |
|-------------------------|------------------------|------------------------|-----------|--------------------------------|-------|----------------|-----------|------------------------|-----------------------|---------|
| FEEDER: SEE POWER RISER | | MAIN BRKR: FEED THRU | | MOUNTING: SURFACE | | | | | | |
| CKT NO. | CIRCUIT DESCRIPTION | CKT BREAKER AMPS/POLES | LOAD TYPE | LOAD VOLT-AMPS | PHASE | LOAD VOLT-AMPS | LOAD TYPE | CKT BREAKER AMPS/POLES | CIRCUIT DESCRIPTION | CKT NO. |
| 1 | RTU-9 | 60/3 | M | 3242 | A | 900 | R | 20/1 | OFFICE 112 REC | 2 |
| 3 | | | | 3242 | B | 900 | R | 20/1 | OFFICE 111 REC | 4 |
| 5 | | | | 3242 | C | 720 | R | 20/1 | OFFICE 110 REC | 6 |
| 7 | F-1 | 20/1 | M | 864 | A | 720 | R | 20/1 | OFFICE 109 REC | 8 |
| 9 | F-2 | 20/1 | M | 1176 | B | 720 | R | 20/1 | BREAK ROOM 114 REC | 10 |
| 11 | F-3 | 20/1 | M | 696 | C | 720 | R | 20/1 | BREAK ROOM 114 REC | 12 |
| 13 | CU-2 | 30/3 | M | 2234 | A | 320 | L | 20/1 | TRASH RM LTG | 14 |
| 15 | | | | 2234 | B | 1080 | R | 20/1 | ELEC/MECH 011 - REC | 16 |
| 17 | | | | 2234 | C | 720 | R | 20/1 | RECEPTION 102 REC | 18 |
| 19 | LOBBY/CONF/RR/COR LTG | 20/1 | L | 1182 | A | 360 | R | 20/1 | RECEPTION 102 REC | 20 |
| 21 | OFFICES/BRK RM LTG | 20/1 | L | 944 | B | 980 | R | 20/1 | STOR/LCKR RM REC EF-1 | 22 |
| 23 | BIKE STORAGE 009 LTG | 20/1 | L | 1472 | C | 720 | R | 20/1 | MTG RM 104 REC | 24 |
| 25 | CORR/ELECT RM/STOR LTG | 20/1 | L | 884 | A | 900 | R | 20/1 | TRASH RM REC | 26 |
| 27 | BASEMENT STORAGE LTG | 20/1 | L | 1344 | B | 1224 | M | 20/1 | ROOF - EF-8, EF-9 | 28 |
| 29 | PARKING GARAGE LTG | 20/1 | L | 1216 | C | 1176 | M | 20/1 | ROOF - EF-10 | 30 |
| 31 | CU-1 | 30/2 | M | 1986 | A | 1224 | M | 20/1 | ROOF - EF-8, EF-9 | 32 |
| 33 | | | | 1986 | B | 1224 | M | 20/1 | ROOF - EF-8, EF-9 | 34 |
| 35 | CU-3 | 25/2 | M | 1747 | C | 696 | M | 20/1 | ROOF - EF-8 | 36 |
| 37 | | | | 1747 | A | 1392 | M | 20/1 | ROOF - EF-8, EF-8 | 38 |
| 39 | MECH 012 REC | 20/1 | M | 1080 | B | 1392 | M | 20/1 | ROOF - EF-8, EF-8 | 40 |
| 41 | BIKE STORAGE 009 REC | 20/1 | R | 720 | C | 1392 | M | 20/1 | ROOF - EF-8, EF-8 | 42 |

| PANEL: CS (SECTION 2) | | BUS: 400A | | VOLTAGE: 120/208V, 3PH, 4 WIRE | | | | | | |
|-------------------------|------------------------|------------------------|-----------|--------------------------------|-------|----------------|-----------|------------------------|------------------------|---------|
| FEEDER: SEE POWER RISER | | MAIN BRKR: FEED THRU | | MOUNTING: SURFACE | | | | | | |
| CKT NO. | CIRCUIT DESCRIPTION | CKT BREAKER AMPS/POLES | LOAD TYPE | LOAD VOLT-AMPS | PHASE | LOAD VOLT-AMPS | LOAD TYPE | CKT BREAKER AMPS/POLES | CIRCUIT DESCRIPTION | CKT NO. |
| 43 | ROOF - EF-8, EF-8 | 20/1 | M | 1392 | A | 900 | R | 20/1 | BASEMENT REC | 44 |
| 45 | ROOF - EF-8, EF-8 | 20/1 | M | 1392 | B | 900 | R | 20/1 | ELECT RM REC | 46 |
| 47 | ROOF - EF-8, EF-9 | 20/1 | M | 1392 | A | 360 | R | 20/1 | ELEV EQUIP RM REC | 48 |
| 49 | ROOF - EF-8, EF-8 | 20/1 | M | 1392 | A | 696 | M | 20/1 | EF-7 | 50 |
| 51 | ROOF - EF-8, EF-8 | 20/1 | M | 1392 | B | 900 | R | 20/1 | BASEMENT REC | 52 |
| 53 | TELECOM RM REC | 20/1 | R | 720 | C | 1080 | R | 20/1 | BASEMENT REC | 54 |
| 55 | TELECOM RM REC | 20/1 | R | 360 | A | 1144 | M | 20/2 | CU-8, FC-1 | 56 |
| 57 | TELECOM RM REC | 20/1 | R | 720 | B | 1144 | M | | | 58 |
| 59 | ROOF - EF-10 | 20/1 | M | 1176 | C | 400 | M | 20/1 | WH-1(4 UNITS) | 60 |
| 61 | SOLAR PUMP | 20/3 | M | 829 | A | 64 | L | 20/1 | ELEV PIT LIGHTS | 62 |
| 63 | | | | 829 | B | 64 | L | 20/1 | ELEV PIT LIGHTS | 64 |
| 65 | | | | 829 | C | 528 | M | 20/1 | CP-1 | 66 |
| 67 | POTABLE PUMP | 20/3 | M | 829 | A | 500 | L | 20/1 | ELEV #1 CAB LIGHTS | 68 |
| 69 | | | | 829 | B | 500 | L | 20/1 | ELEV #2 CAB LIGHTS | 70 |
| 71 | | | | 829 | C | 1200 | R | 20/1 | WH-4 | 72 |
| 73 | SOLAR CONTROLLER | 20/1 | Z | 1500 | A | 609 | R | 20/1 | ELEV PIT SP-1 | 74 |
| 75 | SOLAR BTU METER | 20/1 | R | 1500 | B | 360 | R | 20/1 | ELEV PIT REC | 76 |
| 77 | MECH GARAGE DR OPENERS | 20/1 | M | 696 | C | 609 | R | 20/1 | ELEV PIT SP-1 | 78 |
| 79 | MECH GARAGE DR OPENERS | 20/1 | M | 696 | A | 696 | M | 20/1 | MECH GARAGE DR OPENERS | 80 |
| 81 | MECH GARAGE DR OPENERS | 20/1 | M | 696 | B | 696 | M | 20/1 | MECH GARAGE DR OPENERS | 82 |
| 83 | | | | | C | | | | | 84 |

| PANEL: CS (SECTION 3) | | BUS: 400A | | VOLTAGE: 120/208V, 3PH, 4 WIRE | | | | | | |
|-------------------------|---------------------|------------------------|-----------|--------------------------------|-------|----------------|-----------|------------------------|-----------------------|---------|
| FEEDER: SEE POWER RISER | | MAIN BRKR: MLO | | MOUNTING: SURFACE | | | | | | |
| CKT NO. | CIRCUIT DESCRIPTION | CKT BREAKER AMPS/POLES | LOAD TYPE | LOAD VOLT-AMPS | PHASE | LOAD VOLT-AMPS | LOAD TYPE | CKT BREAKER AMPS/POLES | CIRCUIT DESCRIPTION | CKT NO. |
| 85 | SITE LIGHTS | 20/1 | R | 500 | A | 200 | | 20/1 | IRRIGATION CONTROLLER | 86 |
| 87 | SITE LIGHTS | 20/1 | R | 500 | B | | | | | 88 |
| 89 | SITE LIGHTS | 20/1 | R | 250 | C | | | | | 90 |
| 91 | ENTRY CANOPY | 20/1 | R | 150 | A | | | | | 92 |
| 93 | ENTRY CANOPY | 20/1 | R | 150 | B | | | | | 94 |
| 95 | BLDG SIGNAGE | 20/1 | R | 300 | C | | | | | 96 |
| 97 | BLDG SIGNAGE | 20/1 | R | 300 | A | | | | | 98 |
| 99 | | | | | B | | | | | 100 |
| 101 | | | | | C | | | | | 102 |
| 103 | | | | | A | | | | | 104 |
| 105 | | | | | B | | | | | 106 |
| 107 | | | | | C | | | | | 108 |
| 109 | | | | | A | | | | | 110 |
| 111 | | | | | B | | | | | 112 |
| 113 | | | | | C | | | | | 114 |
| 115 | | | | | A | | | | | 116 |
| 117 | | | | | B | | | | | 118 |
| 119 | | | | | C | | | | | 120 |
| 121 | | | | | A | | | | | 122 |
| 123 | | | | | B | | | | | 124 |
| 125 | | | | | C | | | | | 126 |

| CONNECTED LOAD | | TOTAL LOAD | |NOTES..... | |
|---------------------------|-------------------------------------|-------------------------------------|----|-----------------|--|
| LOAD PER PHASE (VA) | A= 30712 B= 32098 C= 27672 | A= 33728 B= 35114 C= 30688 | 1. | | |
| LOAD PER PHASE (AMPS) | A= 255.93 B= 267.48 C= 230.60 | A= 281.07 B= 292.62 C= 255.74 | 3. | | |
| TOTAL LOAD (KVA @ 0.8 pf) | 90.48 | 99.53 | 5. | | |
| SPARE CAPACITY | 10.00% | 9.05 | | DATE 05-Feb-09 | |



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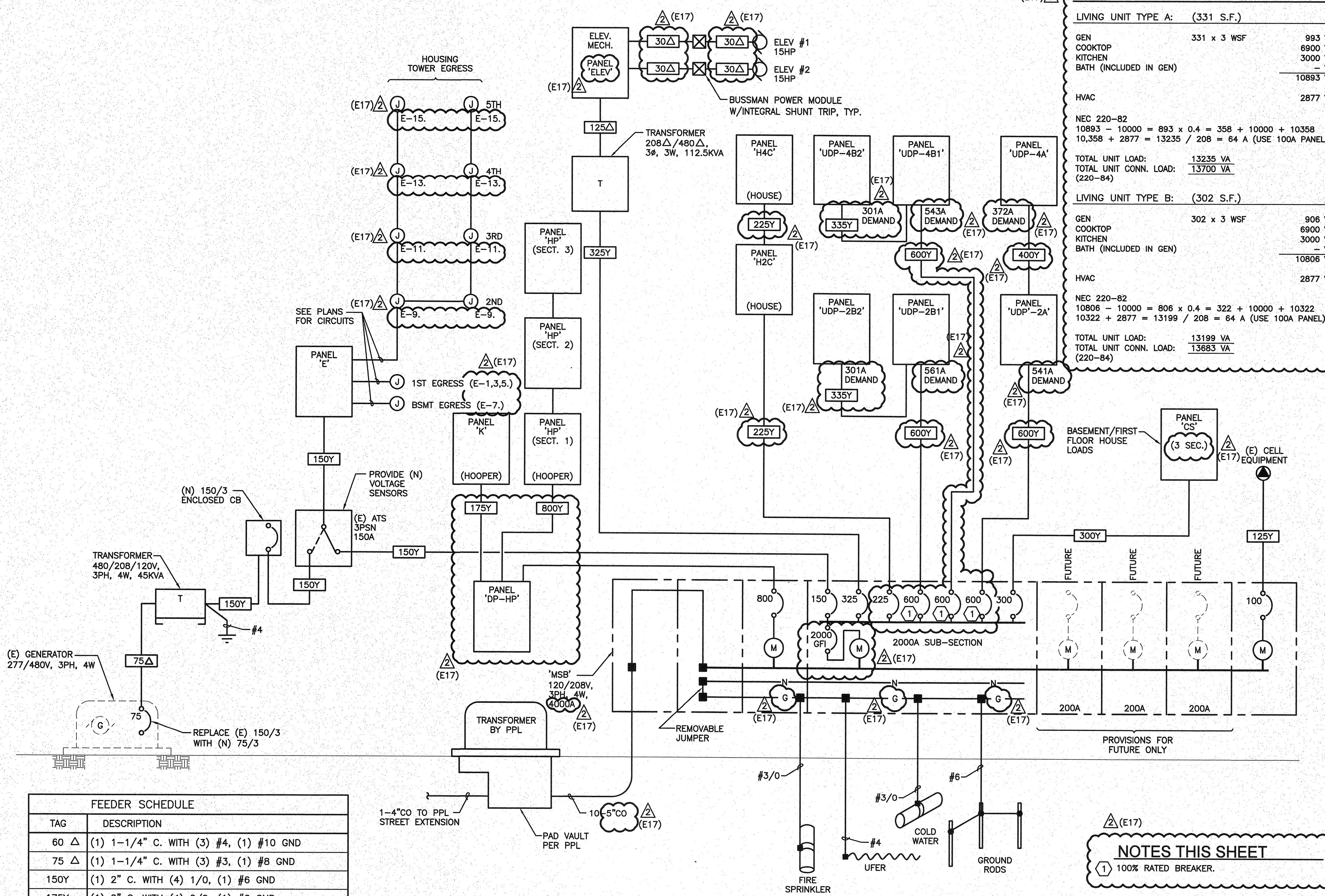
ELECTRICAL PANEL SCHEDULES

BID SET

REVISIONS:
 ADDENDUM 1 (01.13.09)
 ADDENDUM 2 (02.06.09)

DATE: 11.16
 SCALE:
 DRAWN:
 JOB NO:

W:\WP\656_William Wilson Architect\005_Rose Quarter Housing Full Design\001_Living Units Construction Docs\DWG\E4.0.dwg\Layout1_jeramej_02/05/09 10:28 ac:1



LOAD SUMMARY

| LIVING UNIT TYPE A: (331 S.F.) | | LIVING UNIT TYPE C: (293 S.F.) | | |
|----------------------------------------------------|-------------|--------------------------------|----------------------------------------------------|----------|
| GEN | 331 x 3 WSF | 993 VA | GEN 293 x 3 WSF | 879 VA |
| COOKTOP | | 6900 VA | COOKTOP | 6900 VA |
| KITCHEN | | 3000 VA | KITCHEN | 3000 VA |
| BATH (INCLUDED IN GEN) | | - VA | BATH (INCLUDED IN GEN) | - VA |
| | | 10893 VA | | 10779 VA |
| HVAC | | 2877 VA | HVAC | 2877 VA |
| NEC 220-82 | | | NEC 220-82 | |
| 10893 - 10000 = 893 x 0.4 = 358 + 10000 + 10358 | | | 10779 - 10000 = 779 x 0.4 = 312 + 10000 + 10312 | |
| 10358 + 2877 = 13235 / 208 = 64 A (USE 100A PANEL) | | | 10312 + 2877 = 13189 / 208 = 64 A (USE 100A PANEL) | |
| TOTAL UNIT LOAD: | 13235 VA | | TOTAL UNIT LOAD: | 13189 VA |
| TOTAL UNIT CONN. LOAD: | 13700 VA | | TOTAL UNIT CONN. LOAD: | 13656 VA |
| (220-84) | | | (220-84) | |
| LIVING UNIT TYPE B: (302 S.F.) | | LIVING UNIT TYPE D: (246 S.F.) | | |
| GEN | 302 x 3 WSF | 906 VA | GEN 246 x 3 WSF | 738 VA |
| COOKTOP | | 6900 VA | COOKTOP | 6900 VA |
| KITCHEN | | 3000 VA | KITCHEN | 3000 VA |
| BATH (INCLUDED IN GEN) | | - VA | BATH (INCLUDED IN GEN) | - VA |
| | | 10806 VA | | 10638 VA |
| HVAC | | 2877 VA | HVAC | 2877 VA |
| NEC 220-82 | | | NEC 220-82 | |
| 10806 - 10000 = 806 x 0.4 = 322 + 10000 + 10322 | | | 10638 - 10000 = 638 x 0.4 = 255 + 10000 + 10255 | |
| 10322 + 2877 = 13199 / 208 = 64 A (USE 100A PANEL) | | | 6238 + 2877 = 9115 / 208 = 44 A (USE 60A PANEL) | |
| TOTAL UNIT LOAD: | 13199 VA | | TOTAL UNIT LOAD: | 13132 VA |
| TOTAL UNIT CONN. LOAD: | 13683 VA | | TOTAL UNIT CONN. LOAD: | 13515 VA |
| (220-84) | | | (220-84) | |

RISER DEMAND CALC

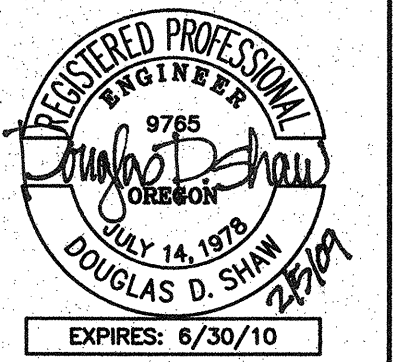
| | | | |
|---------------------------------------------|----------------------------------|-------------------------------------------|---------------------|
| PANEL UDP-4A | 30 @ TYPE D | 30 x 13515 = 405450 VA x 0.33 = 133799 VA | 133799 / 360 = 372A |
| PANEL UDP-2A | 60 @ TYPE D | 60 x 13515 = 810900 VA x 0.24 = 194616 VA | 194616 / 360 = 541A |
| (FEEDER) = 810900 x 0.24 = 194616 VA | | | |
| PANEL UDP-4B2 | 22 UNITS: | | |
| 8 @ TYPE A: 8 x 13770 = 110160 | | | |
| 14 @ TYPE C: 14 x 13656 = 191184 | | | |
| 301344 VA x 0.36 = 108484 | | | |
| 108484 / 360 = 302 A | | | |
| PANEL UDP-4B1 | 20 @ TYPE A: 20 x 13770 = 275400 | | |
| 20 @ TYPE B: 20 x 13683 = 273660 | | | |
| 549060 VA x 0.28 = 153737 VA | | | |
| 153737 / 360 = 427 A | | | |
| DEMAND AT UDP-4B1 (FEEDER) | | | |
| 549060 + 301344 = 850404 x 0.23 = 195593 VA | | | |
| 195593 / 360 = 543 A | | | |
| PANEL UDP-2B2 | 8 @ TYPE A: 8 x 13770 = 110160 | | |
| 14 @ TYPE C: 14 x 13656 = 191184 | | | |
| 301344 x 0.36 = 108484 VA | | | |
| 108484 / 360 = 301 A | | | |
| PANEL UDP-2B1 | 20 @ TYPE A: 20 x 13770 = 275400 | | |
| 20 @ TYPE B: 20 x 13683 = 273660 | | | |
| 549060 VA x 0.28 = 153737 VA | | | |
| 153737 / 360 = 427 A | | | |
| DEMAND AT UDP-2B1 (FEEDER) | | | |
| 301344 + 549060 + 301344 + 549060 = 1700808 | | | |
| 1700808 x 0.23 = 391186 VA | | | |
| 391186 / 360 = 1087 A | | | |
| TOTAL RESIDENTIAL LOAD: | | | |
| 194616 + 1700808 = 1895424 x 0.23 = 435948 | | | |
| 435948 / 360 = 1210 A | | | |
| TOTAL SERVICE LOAD (DEMAND) | | | |
| RESIDENTIAL LOAD | 1403 A | | |
| HOOPER CENTER | 728 A | | |
| HOUSE (BASEMENT & FIRST FLOOR LOADS)) | 265 A | | |
| ELEVATORS | 109 A | | |
| EGRESS LIGHTING | 52 A | | |
| CELL SITE | 80 A | | |
| FUTURE TENANT | 450 A | | |
| TOTAL LOAD @ 120/208Y, 3PH, 4W = | 3087 A | | |

FEEDER SCHEDULE

| TAG | DESCRIPTION |
|-------|-----------------------------------------------|
| 60 Δ | (1) 1-1/4" C. WITH (3) #4, (1) #10 GND |
| 75 Δ | (1) 1-1/4" C. WITH (3) #3, (1) #8 GND |
| 150Y | (1) 2" C. WITH (4) 1/0, (1) #6 GND |
| 175Y | (1) 2" C. WITH (4) 2/0, (1) #6 GND |
| 250Y | (1) 2 -1/2" C. WITH (4) 250 KCMIL, (1) #4 GND |
| 325 Δ | (1) 3" C. WITH (3) 400 KCMIL, (1) #3 GND |
| 300Y | (1) 3" C. WITH (4) 350 KCMIL, (1) #3 GND |
| 450Y | (2) 2-1/2"C. EACH WITH (4) 4/0, (1) #2 GND |
| 800Y | (4) 2-1/2"C. EACH WITH (4) 3/0, (1) 1/0 GND |
| 335Y | 4-400 KCMIL, 1#3 GND, 3" C |
| 400Y | 4-500 KCMIL, 1#3 GND, 3 1/2" C |
| 600Y | 2 SETS (4-350 KCMIL, 1#1 GND, 3" C) EA |
| 225Y | 4#4/0, 1#4 GND, 2"C |

1 SINGLE-LINE DIAGRAM
E4.0 NOT TO SCALE

NOTES THIS SHEET
1 100% RATED BREAKER.



AW
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SINGLE-LINE DIAGRAM
120/208 V. SYSTEM

BID SET
REVISIONS:
Δ ADDENDUM 1 (01.13.09)
Δ ADDENDUM 2 (02.06.09)

DATE: 11.18
SCALE:
DRAWN:
JOB NO: 0



E4.0

Attachment 10: Peak Load Study

Session name:

CCC MADRONA STUDIOS EV CHARGER

Session UUID:

2ee61a78-edf1-4180-8e02-fa5d14cb8fb3

Description:

Notes:

Study Type:

Energy study

Measurement Mode:

Topology:

3-ph Wye

Nominal Voltage:

480V

Nominal Frequency:

60Hz

Buffer Type:

linear (do not overwrite)

Start and End Dates:

Configured start: 6/9/2023 5:53:24 AM

Configured end: 7/9/2023 5:53:24 AM

Actual start: 6/9/2023 5:53:24 AM

Actual end: 7/7/2023 2:07:44 AM

Duration:

Configured duration: 30d 0h 0m 0s

Actual duration: 27d 20h 14m 20s

Number of averaging intervals:

Number of trend intervals as configured: 43199

Number of trend intervals as present: 40095

Trend interval length: 1min

Number of demand intervals as configured: - - -

Number of demand intervals as present: 0

Demand interval: - - -

Number of PQ intervals as configured: 4319

Number of PQ intervals as present: 4008

PQ interval length: 10min

Event limits:

Dip: 90%

Swell: 110%

Interruption: 5%

Hysteresis: 2%

Inrush current: - - -

Rapid Voltage Changes: - - -

Waveform Deviation: - - -

Mains signalling voltage limit: - - -

Sliding Reference: Off

Event:

Events recorded: 4

| | Phase A | Phase B | Phase C | Neutral | Combined events |
|---------------------|---------|---------|---------|---------|-----------------|
| Dip | 1 | 1 | 1 | | 1 |
| Swell | 0 | 0 | 0 | | 0 |
| Interruption | 0 | 0 | 0 | | 0 |
| Inrush Current | 0 | 0 | 0 | 0 | |
| Waveshape Deviation | 0 | 0 | 0 | | |

Waveform recordings: 1

RMS recordings: 1

MSV recordings: 0

Instrument information:

Instrument Type: FLUKE 1738

Installed Licenses: none

Instrument versions: Firmware Version: 2.3

DSP Version: 2.7

Instrument Serial Number: 56413840

Instrument UUID: 6ed130a5-1993-4d83-9d5a-49b1c42b8165

Instrument time zone: UTC

Instrument name: FLUKE1738<56413840>

Attached Current Sensors:

| Channel | Ratio | Model | Range | Serial No |
|---------|-------|--------------|-------|-----------|
| 1 - A | 1:1 | iFlex1500-12 | 1500A | 559271113 |
| 2 - B | 1:1 | iFlex1500-12 | 1500A | 559271116 |
| 3 - C | 1:1 | iFlex1500-12 | 1500A | 559271119 |
| 4 - N | 1:1 | iFlex1500-12 | 1500A | 559271115 |

Voltage mapping:

| Channel | Ratio |
|---------|-------|
| 1 - A | 1:1 |
| 2 - B | 1:1 |
| 3 - C | 1:1 |

Aux Settings:

| Channel | Gain | Offset | Unit |
|---------|------|--------|------|
| Aux1 | 1 | 0 | V |
| Aux2 | 1 | 0 | V |



RMS Power overview table

| CCC MADRONA STUDIOS EV CHARGER | | | | |
|--------------------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| Logging Information | | | | |
| Study type: | Energy study | | Topology: | 3-ph Wye |
| Start date: | 6/9/2023 5:53:24 AM | | End date: | 7/7/2023 2:07:44 AM |
| Duration: | 27d 20h 14m 20s | | | |
| Averaging interval: | 1min | | Number of averaging intervals: | 40095 |
| Active Power [kW] | A | B | C | Total |
| Max | 34.502 kW 7/5/2023 8:34:00 AM | 31.755 kW 7/5/2023 8:30:00 AM | 31.670 kW 7/5/2023 8:34:00 AM | 94.901 kW 7/5/2023 8:34:00 AM |
| linear Avg | 13.503 kW | 10.170 kW | 9.927 kW | 33.599 kW |
| Min | 6.671 kW 6/21/2023 7:19:00 PM | 4.539 kW 6/9/2023 3:31:00 PM | 3.420 kW 6/18/2023 6:18:00 PM | 15.976 kW 6/18/2023 7:06:00 PM |
| Apparent Power [kVA] | A | B | C | Total |
| Max | 36.024 kVA 7/5/2023 8:34:00 AM | 33.973 kVA 7/5/2023 8:30:00 AM | 32.757 kVA 7/5/2023 8:34:00 AM | 99.985 kVA 7/5/2023 8:30:00 AM |
| linear Avg | 14.501 kVA | 11.444 kVA | 11.055 kVA | 37.915 kVA |
| Min | 6.959 kVA 6/21/2023 7:19:00 PM | 5.087 kVA 6/9/2023 3:31:00 PM | 4.107 kVA 6/18/2023 2:55:00 PM | 18.297 kVA 6/21/2023 8:00:00 PM |
| Non-Active Power [kvar] | A | B | C | Total |
| Max | 15.910 kvar 7/5/2023 10:14:00 AM | 14.412 kvar 7/5/2023 11:11:00 AM | 13.252 kvar 7/6/2023 9:42:00 AM | 40.684 kvar 7/5/2023 9:35:00 AM |
| linear Avg | 5.225 kvar | 5.224 kvar | 4.758 kvar | 17.454 kvar |
| Min | 1.060 kvar 6/19/2023 8:20:00 PM | 2.193 kvar 6/18/2023 3:33:00 PM | 0.870 kvar 6/17/2023 3:06:00 AM | 7.445 kvar 6/13/2023 3:31:00 PM |
| Power Factor [1] | A | B | C | Total |
| Max | 0.99 ind 6/11/2023 12:09:00 AM | 0.98 ind 6/20/2023 2:22:00 AM | 0.99 ind 6/19/2023 4:01:00 AM | 0.97 ind 6/25/2023 1:58:00 AM |
| linear Avg | 0.93 | 0.89 | 0.90 | 0.89 |
| Min | 0.87 ind 6/20/2023 6:48:00 PM | 0.83 ind 7/3/2023 6:30:00 PM | 0.78 ind 6/18/2023 6:43:00 PM | 0.76 ind 6/18/2023 3:34:00 PM |

Averaging interval:

| | Configured Interval length |
|--------------------------------|----------------------------|
| CCC MADRONA STUDIOS EV CHARGER | 1min |



V, A, Hz, THD overview table

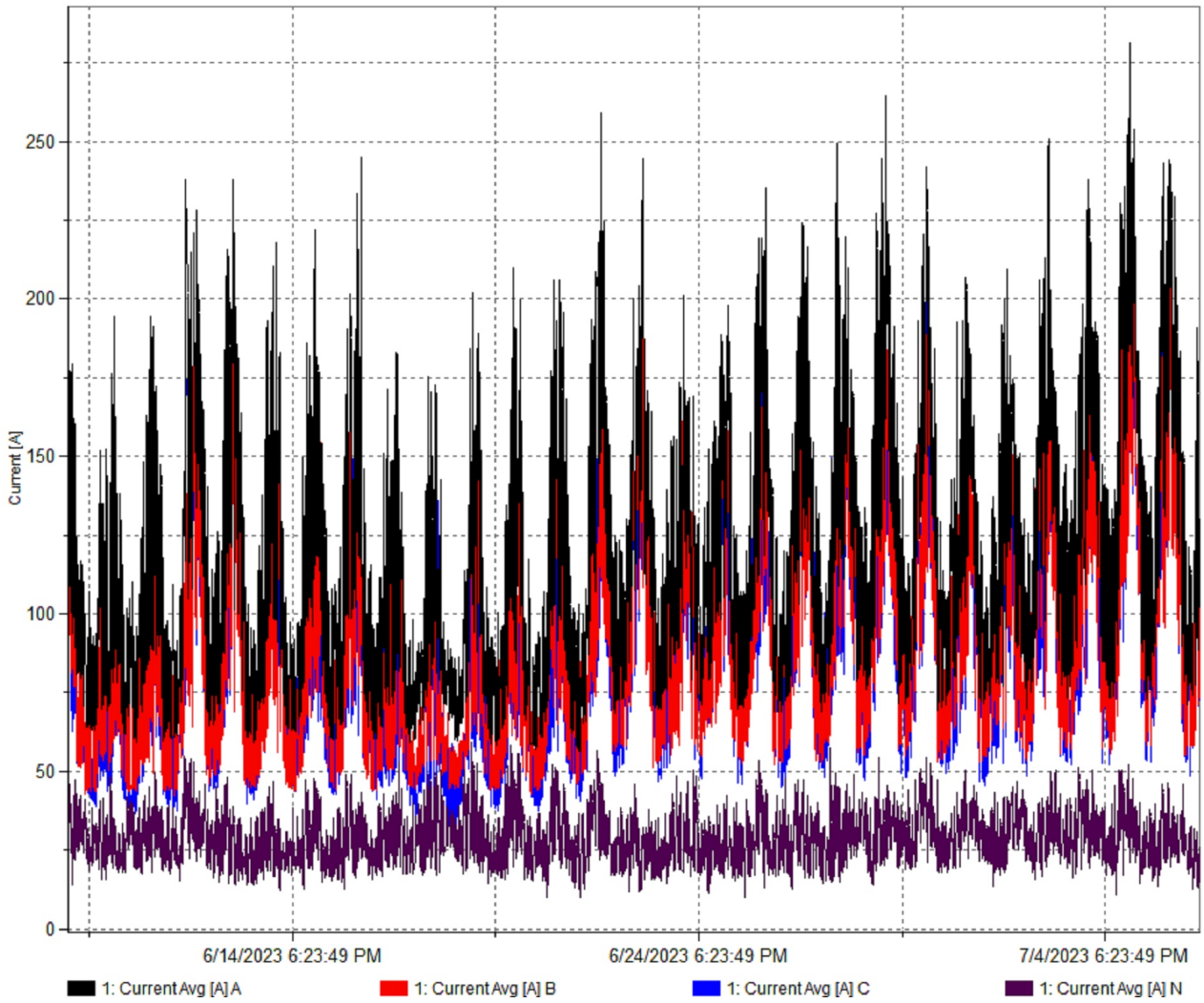
| CCC MADRONA STUDIOS EV CHARGER | | | | |
|--------------------------------|----------------------------------|---------------------------------|---------------------------------|--------------------------------|
| Logging Information | | | | |
| Study type: | Energy study | | Topology: | 3-ph Wye |
| Start date: | 6/9/2023 5:53:24 AM | | End date: | 7/7/2023 2:07:44 AM |
| Duration: | 27d 20h 14m 20s | | | |
| Averaging interval: | 1min | | Number of averaging intervals: | 40095 |
| Voltage [V] | AN | BN | CN | N |
| Max | 127.1 V 7/5/2023 2:51:00 AM | 127.3 V 6/10/2023 3:40:00 AM | 128.9 V 6/23/2023 5:02:00 PM | |
| linear Avg | 125.6 V | 125.9 V | 126.6 V | |
| Min | 112.1 V 6/18/2023 9:16:00 PM | 119.2 V 6/9/2023 11:40:00 PM | 114.6 V 6/18/2023 9:16:00 PM | |
| Current [A] | A | B | C | N |
| Max | 360.1 A 6/30/2023 8:28:00 AM | 323.1 A 6/29/2023 7:19:00 AM | 317.2 A 6/30/2023 8:28:00 AM | 99.6 A 7/6/2023 4:05:00 AM |
| linear Avg | 115.5 A | 91.0 A | 87.4 A | 27.6 A |
| Min | 54.2 A 6/21/2023 7:19:00 PM | 39.9 A 6/9/2023 3:31:00 PM | 31.7 A 6/18/2023 9:16:00 PM | 4.8 A 6/21/2023 11:37:00 PM |
| Frequency [Hz] | AN | | | |
| Max | 60.07 Hz 7/3/2023 10:00:00 AM | | | |
| linear Avg | 60.00 Hz | | | |
| Min | 59.91 Hz 6/26/2023 4:37:00 AM | | | |
| V THD [%] | AN | BN | CN | N |
| Max | 2.1 % 6/12/2023 8:32:00 AM | 2.3 % 7/5/2023 9:04:00 AM | 2.4 % 7/5/2023 8:15:00 AM | |
| linear Avg | 1.3 % | 1.4 % | 1.4 % | |
| Min | 0.89 % 6/10/2023 8:28:00 AM | 1.0 % 6/11/2023 1:51:00 AM | 1.0 % 7/4/2023 10:42:00 PM | |
| A THD [%] | A | B | C | N |
| Max | 15.8 % 6/19/2023 3:10:00 PM | 23.5 % 6/21/2023 7:45:00 PM | 21.9 % 6/18/2023 3:52:00 PM | |
| linear Avg | 4.3 % | 5.9 % | 3.9 % | |
| Min | 1.2 % 7/5/2023 11:42:00 AM | 1.3 % 7/5/2023 12:15:00 PM | 1.1 % 6/24/2023 8:51:00 AM | |

Averaging interval:

| | Configured Interval length |
|--------------------------------|----------------------------|
| CCC MADRONA STUDIOS EV CHARGER | 1min |



AMPERAGE ABCN



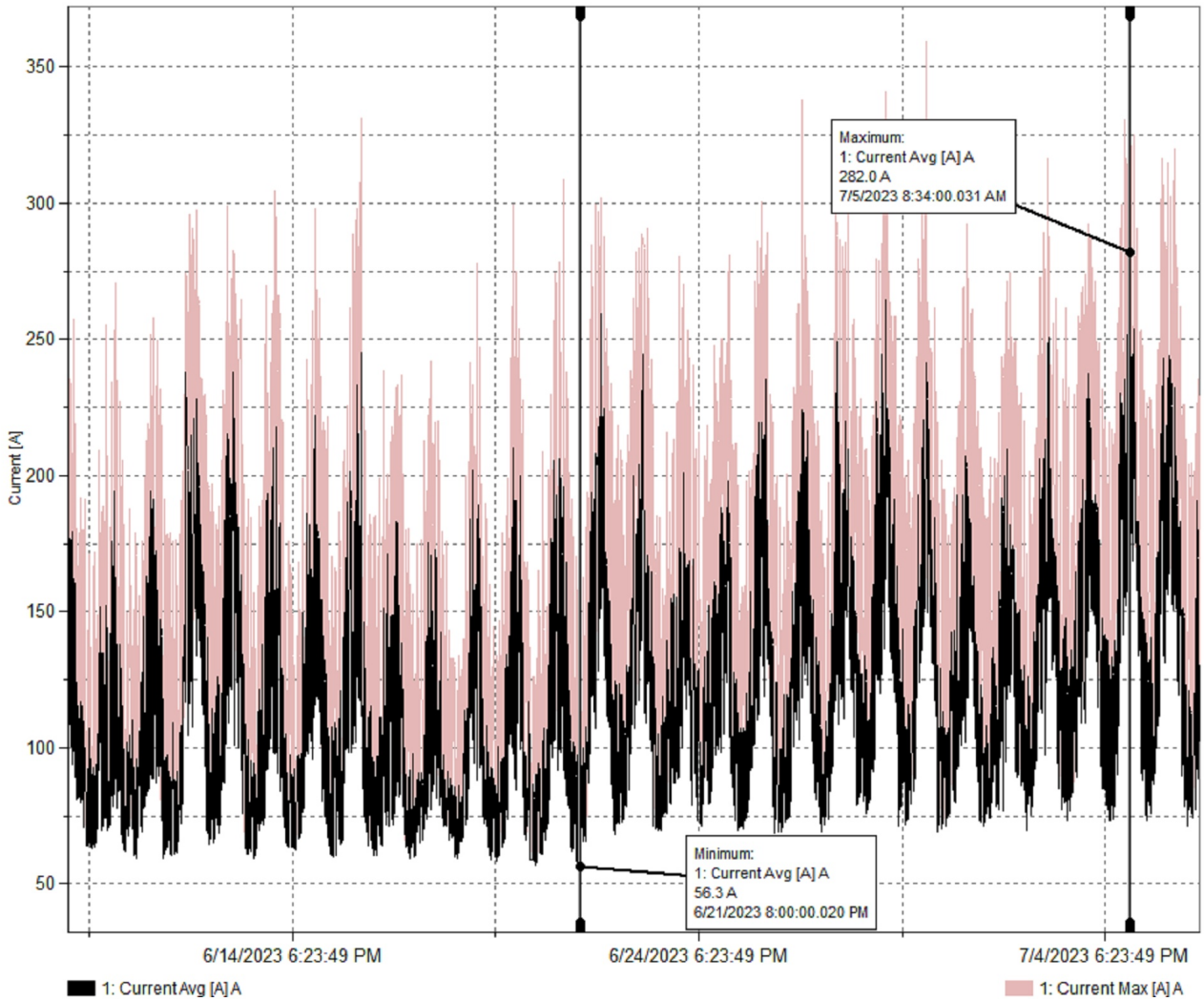
Graph Options:

| Logging Sessions | ID |
|--------------------------------|----|
| CCC MADRONA STUDIOS EV CHARGER | 1 |

| Left Scale Options | L1 (A) | L2 (B) | L3 (C) | N | Total | Min/Max |
|--------------------|--------|--------|--------|---|-------|---------|
| Curr [A] | X | X | X | X | | |



AMPERAGE A



Cursor 1:
1: Current Avg [A] A
56.3 A
6/21/2023 8:00:00.020 PM

Cursor 2:
1: Current Avg [A] A
282.0 A
7/5/2023 8:34:00.031 AM

Delta:
225.6 A
13d 12h 34m 0.011s

Notes:

| ID | Text |
|----|------------------------------------------------------------------------|
| 1 | Minimum: 1: Current Avg [A] A 56.3 A 6/21/2023 8:00:00.020 PM |
| 2 | Maximum: 1: Current Avg [A] A 282.0 A 7/5/2023 8:34:00.031 AM |

Graph Options:

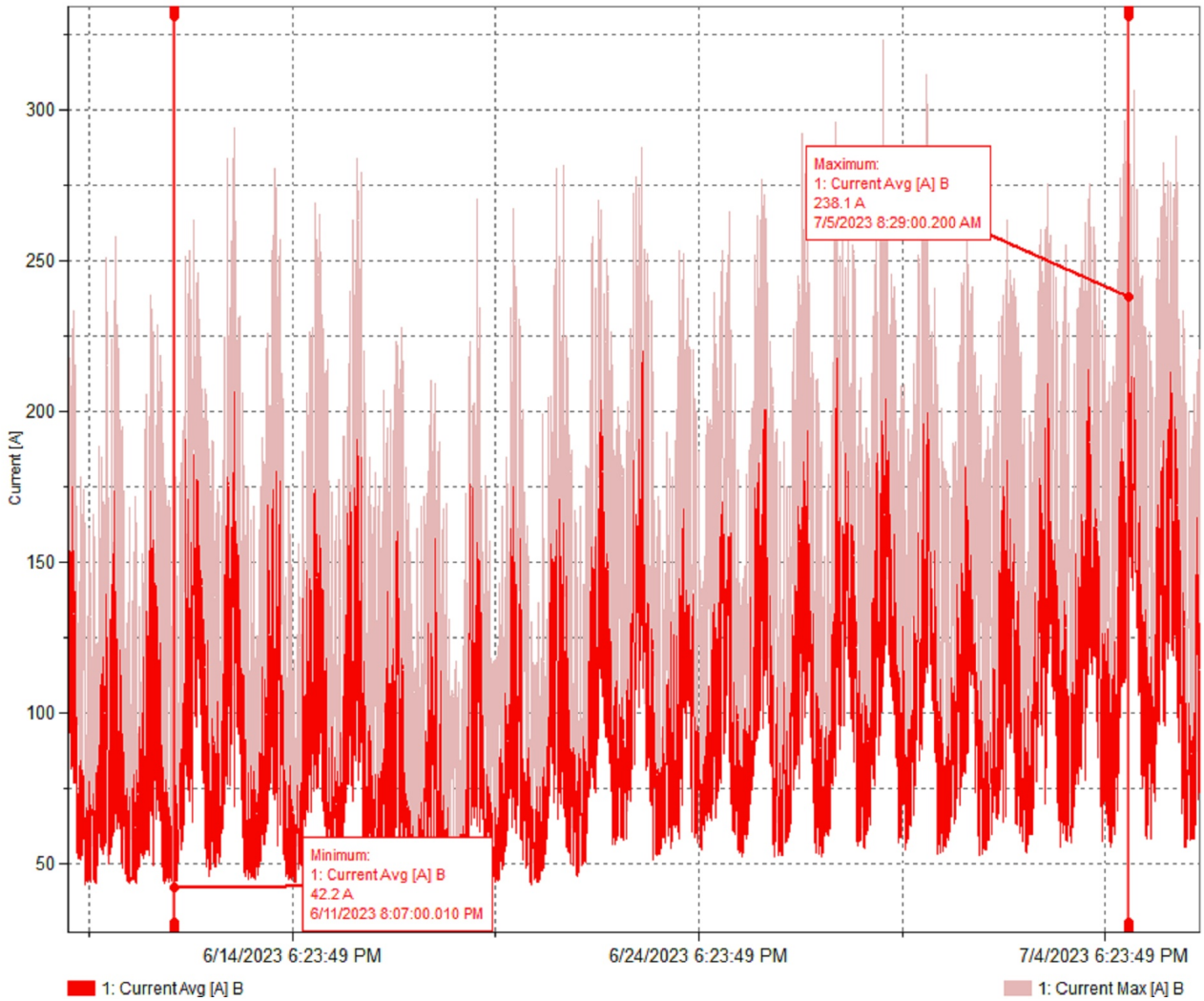
| Logging Sessions | ID |
|--------------------------------|----|
| CCC MADRONA STUDIOS EV CHARGER | 1 |



| Left Scale Options | L1 (A) | L2 (B) | L3 (C) | N | Total | Min/Max |
|--------------------|--------|--------|--------|---|-------|---------|
| Curr [A] | X | | | | | - X |



AMPERAGE B



Cursor 1:
1: Current Avg [A] B
42.2 A
6/11/2023 8:07:00.010 PM

Cursor 2:
1: Current Avg [A] B
238.1 A
7/5/2023 8:29:00.200 AM

Delta:
195.9 A
23d 12h 22m 0.190s

Notes:

| ID | Text |
|----|------------------------------------------------------------------------|
| 3 | Minimum: 1: Current Avg [A] B 42.2 A 6/11/2023 8:07:00.010 PM |
| 4 | Maximum: 1: Current Avg [A] B 238.1 A 7/5/2023 8:29:00.200 AM |

Graph Options:

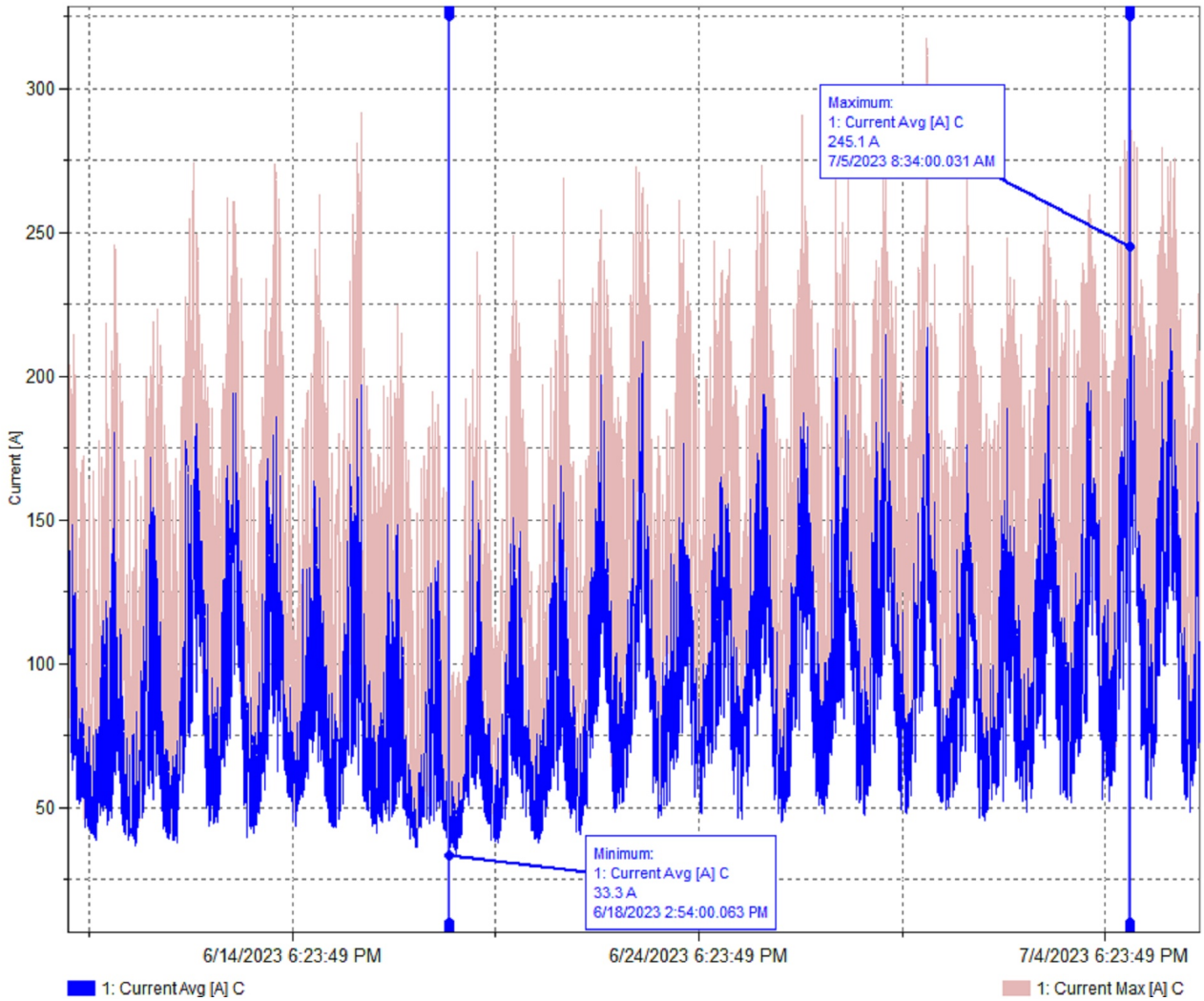
| Logging Sessions | ID |
|--------------------------------|----|
| CCC MADRONA STUDIOS EV CHARGER | 1 |



| Left Scale Options | L1 (A) | L2 (B) | L3 (C) | N | Total | Min/Max |
|--------------------|-----------|-----------|-----------|---|-------|---------|
| Curr [A] | | X | | | | - X |



AMPERAGE C



| | | |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------|
| Cursor 1: 1: Current Avg [A] C 33.3 A 6/18/2023 2:54:00.063 PM | Cursor 2: 1: Current Avg [A] C 245.1 A 7/5/2023 8:34:00.031 AM | Delta: 211.9 A 16d 17h 39m 59.968s |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------|

Notes:

| ID | Text |
|----|------------------------------------------------------------------------|
| 5 | Minimum: 1: Current Avg [A] C 33.3 A 6/18/2023 2:54:00.063 PM |
| 6 | Maximum: 1: Current Avg [A] C 245.1 A 7/5/2023 8:34:00.031 AM |

Graph Options:

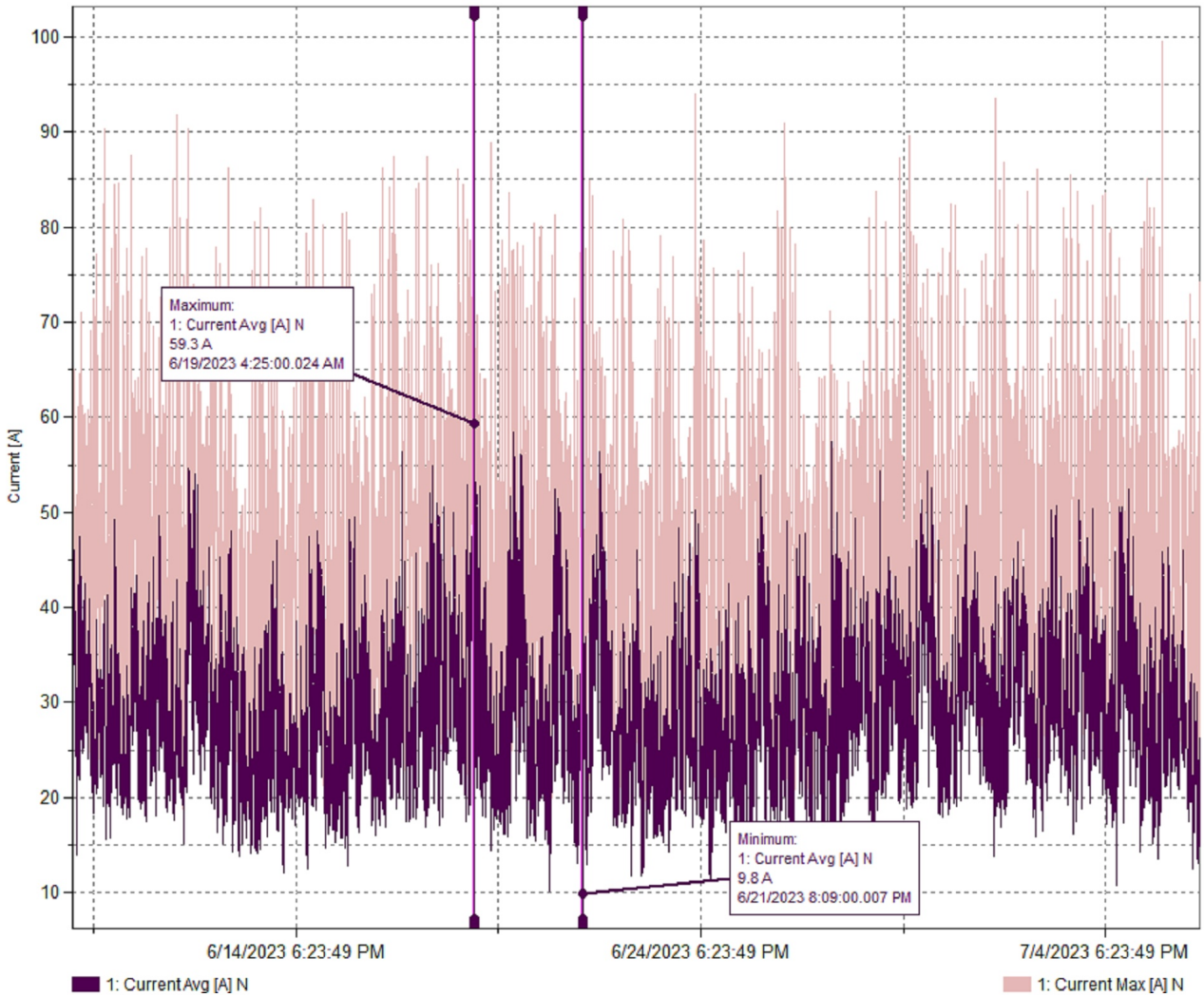
| Logging Sessions | ID |
|--------------------------------|----|
| CCC MADRONA STUDIOS EV CHARGER | 1 |



| Left Scale Options | L1 (A) | L2 (B) | L3 (C) | N | Total | Min/Max |
|--------------------|-----------|-----------|-----------|---|-------|---------|
| Curr [A] | | | X | | | - X |



AMPERAGE N



1

| | | |
|------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------|
| Cursor 1: 1: Current Avg [A] N 9.8 A 6/21/2023 8:09:00.007 PM | Cursor 2: 1: Current Avg [A] N 59.3 A 6/19/2023 4:25:00.024 AM | Delta: 49.5 A 2d 15h 43m 59.983s |
|------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------|

Notes:

| ID | Text |
|----|------------------------------------------------------------------------|
| 7 | Minimum: 1: Current Avg [A] N 9.8 A 6/21/2023 8:09:00.007 PM |
| 8 | Maximum: 1: Current Avg [A] N 59.3 A 6/19/2023 4:25:00.024 AM |

Graph Options:

| Logging Sessions | ID |
|--------------------------------|----|
| CCC MADRONA STUDIOS EV CHARGER | 1 |



| Left Scale Options | L1 (A) | L2 (B) | L3 (C) | N | Total | Min/Max |
|--------------------|-----------|-----------|-----------|---|-------|---------|
| Curr [A] | | | | X | | - X |