### Proposed Charles Panel Schedule

<table>
<thead>
<tr>
<th>CIRCUIT</th>
<th>CURRENT</th>
<th>TEMP</th>
<th>PANEL</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>20A</td>
<td></td>
<td>P1</td>
<td></td>
</tr>
<tr>
<td>C2</td>
<td>30A</td>
<td></td>
<td>P2</td>
<td></td>
</tr>
<tr>
<td>C3</td>
<td>40A</td>
<td></td>
<td>P3</td>
<td></td>
</tr>
<tr>
<td>C4</td>
<td>50A</td>
<td></td>
<td>P4</td>
<td></td>
</tr>
</tbody>
</table>

### Panel Schedule

<table>
<thead>
<tr>
<th>PANEL</th>
<th>1ND MACH</th>
<th>2ND MACH</th>
<th>3ND MACH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Load Served

<table>
<thead>
<tr>
<th>LOAD SERVED</th>
<th>VOLT</th>
<th>AMPS</th>
<th>(WATTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1L2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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- Note: The load served values for L1L2 are to be filled under "load served" column.
- Signed: 06/22/22
- Expires: 06/30/2023
23 MAUCHLY, SUITE 110
IRVINE, CALIFORNIA 92618

EXHIBIT A

SIGNED: 06/28/22
EXP: 03/31/23

SIGNED: 06/28/22

EXP: 03/31/23

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS, HERE AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, AND REGULATIONS.

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1. All grounding electrode systems (including telecommunication, radio, lightning protection and AC power grids) shall be bonded together at or below grade, if two or more copper bonding conductors in accordance with NEC.

2. The contractor shall perform pull-off tests, resistance tests (borne 1,000 and 1,040) for the grounding electrode system. The contractor shall furnish and install supplemental grounding conductors as needed to achieve a test result of 5 ohms or less.

3. The contractor shall perform a thorough inspection and test of the grounding system installation as to prevent any loss of continuity in the grounding system to balance with the code and provide testing results.

4. All conductor ends that shall be bonded are to be electrically connected with listed bonding fittings and/or bonding bars. The bonding bars shall be scheduled copper bars and the bonding bars shall be solid stranded copper bars for underground installations.

5. All aluminum conductors or copper clad steel conductors shall not be used for grounding connections.

6. Use of rigid metal conduit in the protection (including corresponding conductors) shall be insulated with rigid metal conduit and shall be electrically connected with a spoke head support.

7. All conduit connections shall be made with a compression (locking) fitting.

8. Ungrounded electrical, and non-electrical metal boxes, frames and supports shall be bonded to the ground and, in accordance with the NEC.

9. Bond all metallic objects within 4 ft of main ground pipe with (1) #8 bare bold strand copper ground conductor.

10. Ground conductors used for the utility electrical and lightning protection systems shall be routed through the building. Ground conductors shall be sized through walls or floor, which is required to be bonded in accordance to NEC, fire codes, and local codes. Non-metallic materials such as non-conductive materials shall be made with work on metal conductors is not possible.

11. Any equipment that is not bonded to main ground pipe by a 1/4" high resistance ground wire must be bonded to the ground pipe by a 1/4" copper wire or 1/4" galvanized steel wire, or a non-metallic material. Bonding bars shall be listed and bonded to the main ground pipe.

12. All bonding conductors must be routed through the building. Bonding conductors shall be bonded to main ground pipe by a 1/4" copper wire or 1/4" galvanized steel wire, or a non-metallic material. Bonding bars shall be listed and bonded to the main ground pipe.

13. Bonding conductors shall not be smaller than 1/4" copper, or aluminum ground bars shall be bonded to the electrical grounding system, the building steel structure, lightning protection system, and building has water live (which or insulated metal pipe only). Do not attach bonding to fire sprinkler system pipes.