Home siting information for UNLV’s 2017 Solar Decathlon Home – Sinatra Living
June 1, 2020

ELECTRICAL
-200 amps service 120/240V
-6.8 kW Photovoltaic System
-13kWH Tesla Battery Storage System
-Inverter has Critical Load Islanding Capability
-Off-Grid operation retains about ½ panels and outlets
-Level 2 EV Charger

WATER AND PLUMBING
-City water: 1-inch line
-Drain sewer: 4-inch line
-Non stagnating sprinkler system
-Solar Thermal Hot Water Heating
-On Demand Electrical Hot Water Heating
-Radiant Floor Heating

MECHANICAL:
-3 Heat Pumps (MiniSplit) Mitsubishi HVAC units
-Heat Recovery Inorganic Thermal Storage System
-Fresh/Make up air HEPA filtration unit

DATA:
-Equipped with CAT5e/6 infrastructure
-Main Drop is under the electrical room
-Equipped with RJ11 infrastructure (phone line)
-Main Drop is under the electrical room
-Equipped with coax (cable) infrastructure
-Main Drop is under the electrical room

HOUSE DIMENSIONS - SQUARE FOOTAGE

<table>
<thead>
<tr>
<th>Room</th>
<th>Square Footage</th>
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<tbody>
<tr>
<td>Bedroom</td>
<td>192 SF</td>
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<tr>
<td>Kitchen</td>
<td>267 SF</td>
</tr>
<tr>
<td>Bath</td>
<td>120 SF</td>
</tr>
<tr>
<td>Living Room</td>
<td>139 SF</td>
</tr>
<tr>
<td>Flex Room: Office &amp; Laundry</td>
<td>107 SF</td>
</tr>
<tr>
<td>House Footprint w/o Deck</td>
<td>965 SF</td>
</tr>
<tr>
<td>Deck Footprint</td>
<td>882 SF</td>
</tr>
<tr>
<td>Constructed House Footprint w/ Deck</td>
<td>2,696 SF</td>
</tr>
<tr>
<td>Lot Size Needed for Solar Footprint</td>
<td>60’ North-South x 80’ East-West</td>
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</tbody>
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