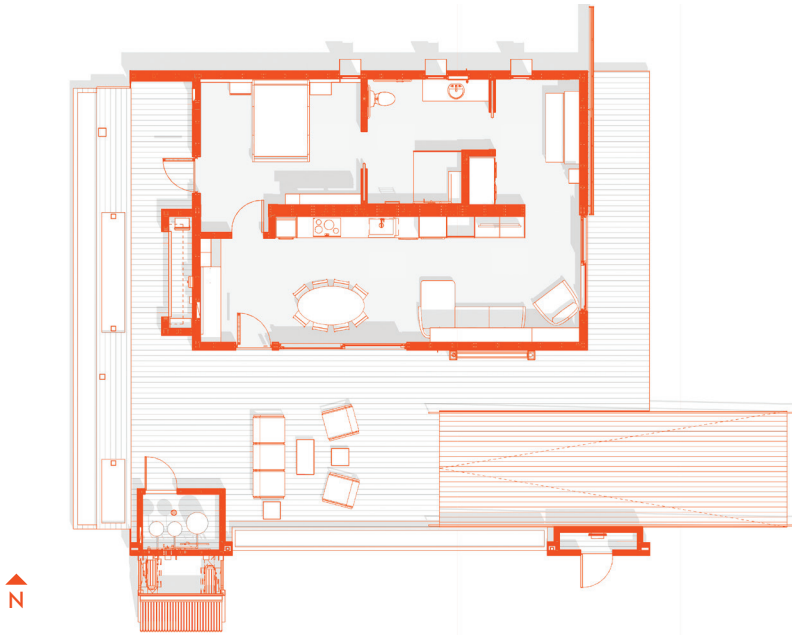


# Home siting information for UNLV's 2017 Solar Decathlon Home - Sinatra Living June 1, 2020

## FLOOR PLAN



## 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 1/2 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

## HOUSE DIMENSIONS - SQUARE FOOTAGE

Bedroom	192 SF
Kitchen	267 SF
Bath	120 SF
Living Room	139 SF
Flex Room: Office & Laundry	107 SF
House Footprint w/o Deck	965 SF
Deck Footprint	882 SF
Constructed House Footprint w/ Deck	2,696 SF
Lot Size Needed for Solar Footprint	60' North-South x 80' East-West

## 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

