

# FREDERICK DOUGLASS GYM, KEY WEST SOLAR STUDY

PANEL SIZE:  
78" X 39"

PANEL TILT:  
26 DEGREES

SYSTEM SIZE:  
~68KWH

SYSTEM TYPE:  
FIXED, OPEN RACK

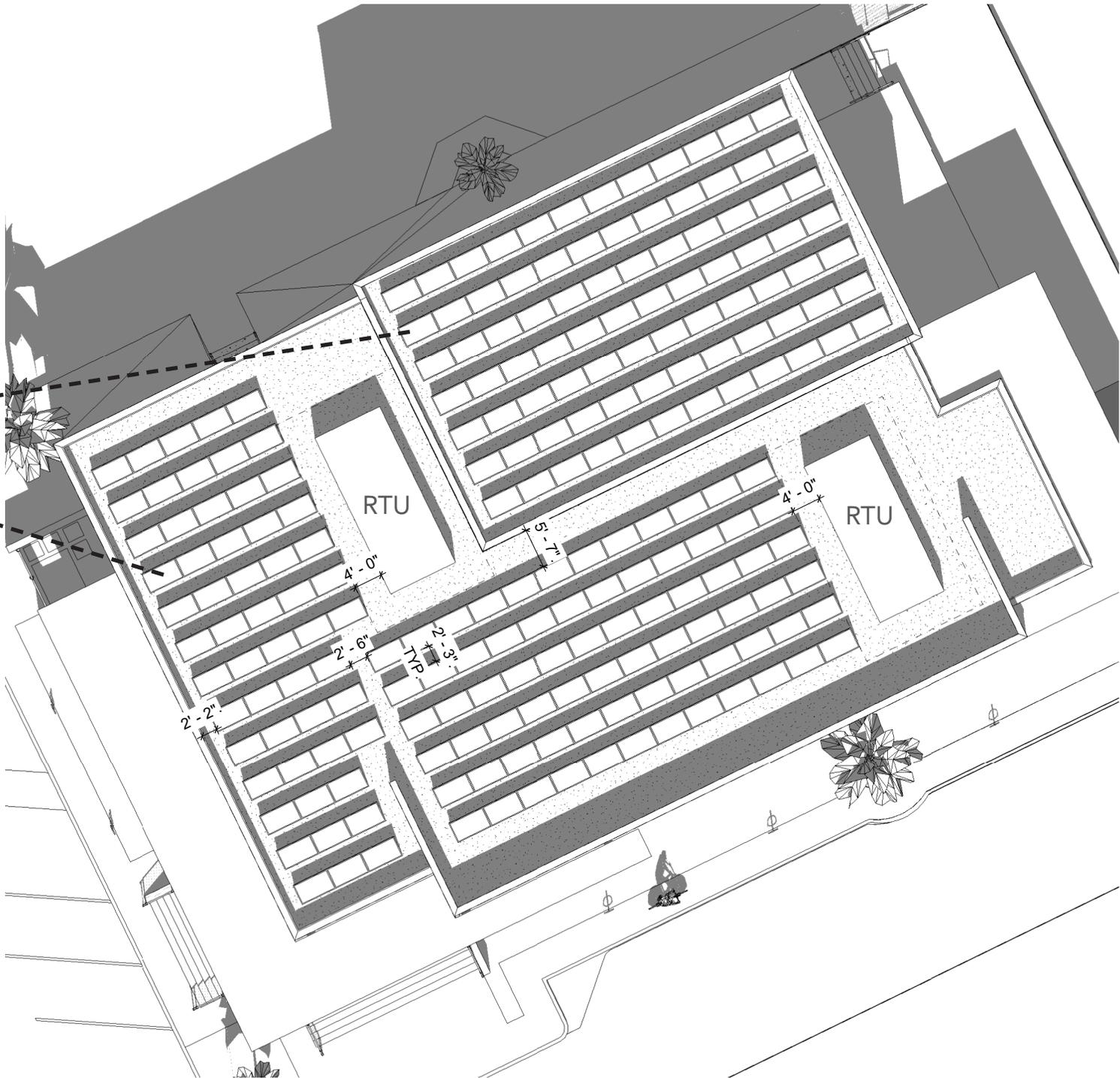
OPTIONAL  
HIGH ROOF  
(84) UNITS

LOW ROOF  
(128) UNITS

LOW ROOF ONLY

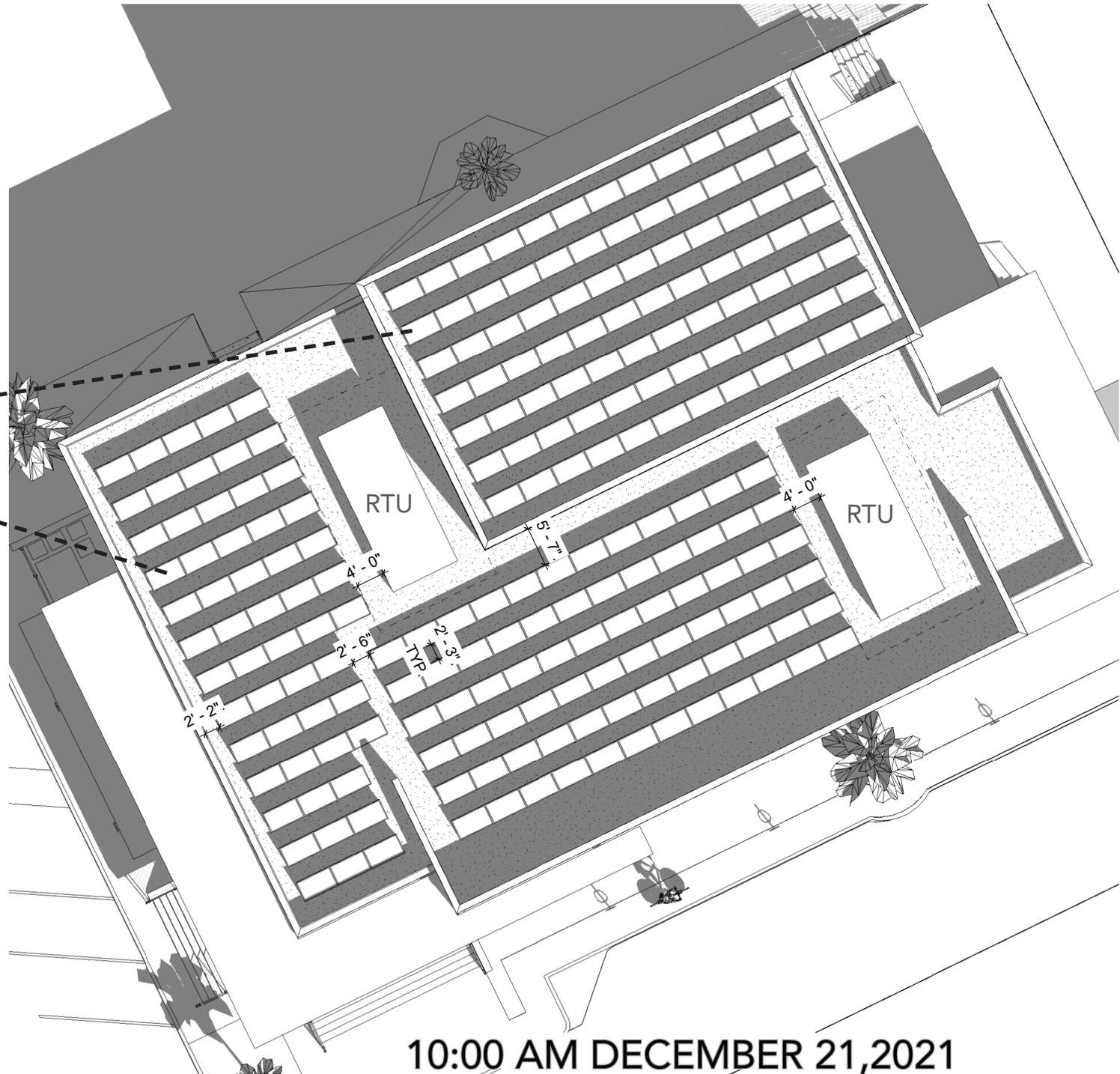
SYSTEM SIZE:  
~40KWH

BUILDING SQUARE FOOTAGE:  
~9,575 SF

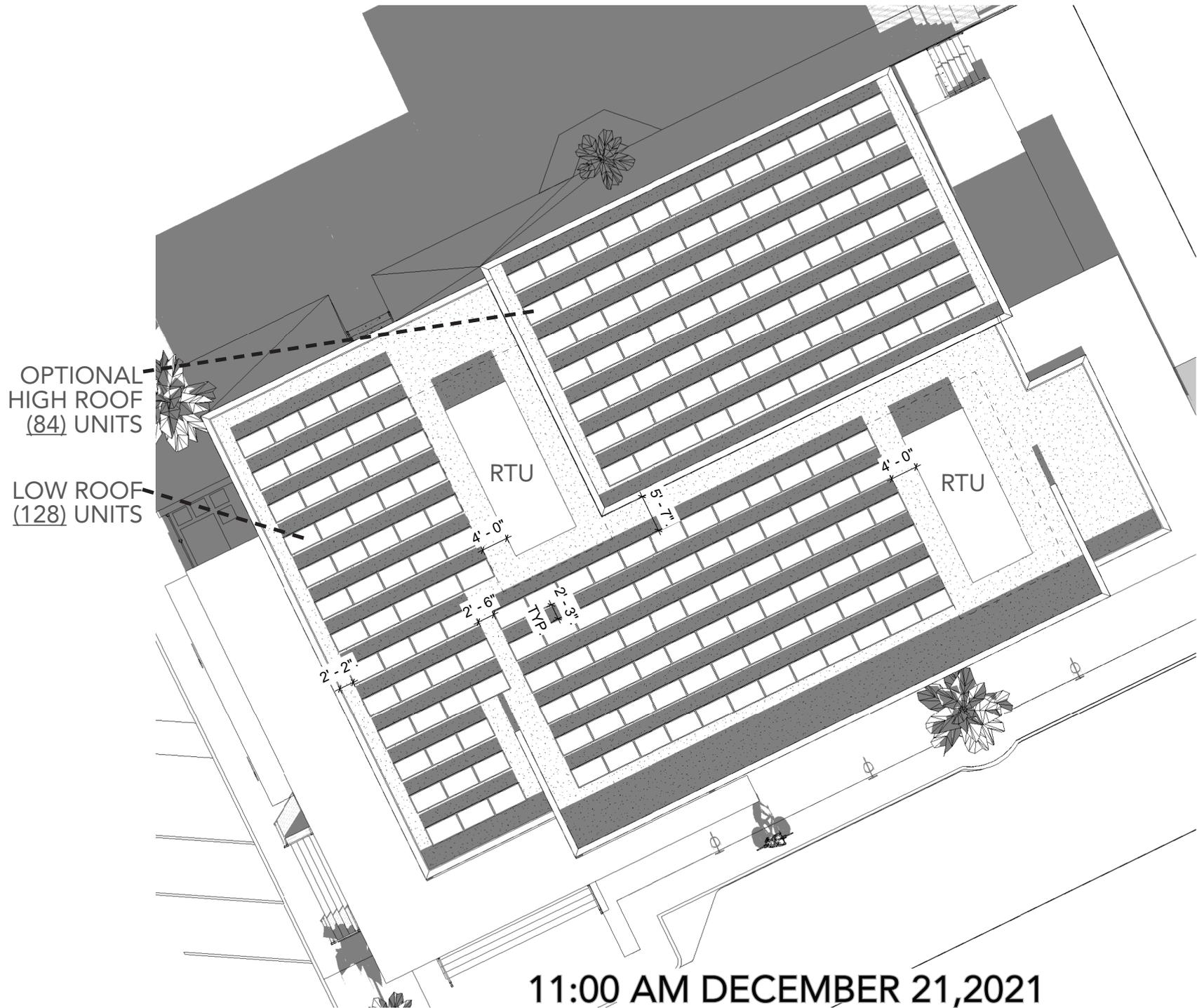


OPTIONAL  
HIGH ROOF  
(84) UNITS

LOW ROOF  
(128) UNITS

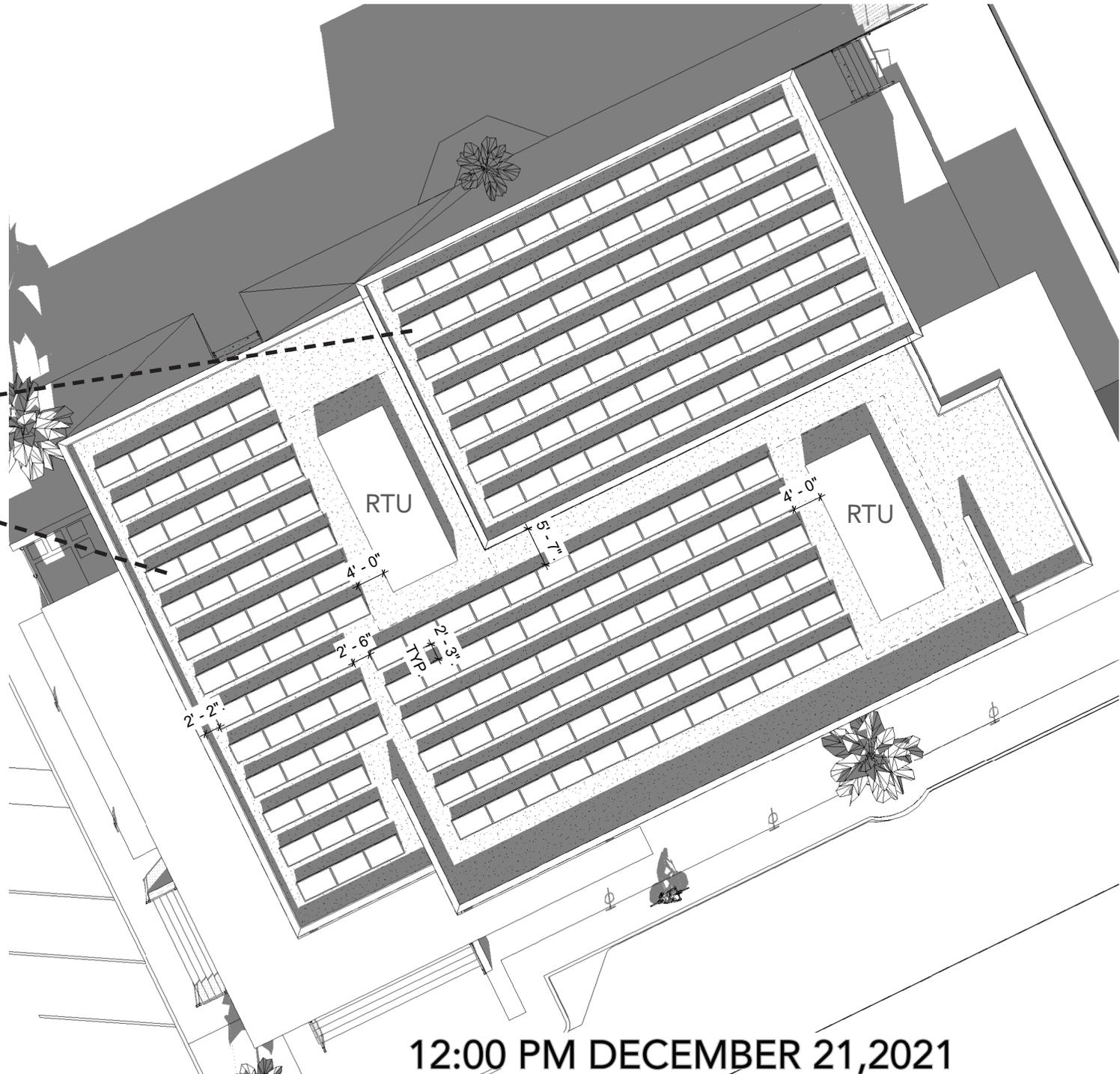


10:00 AM DECEMBER 21, 2021

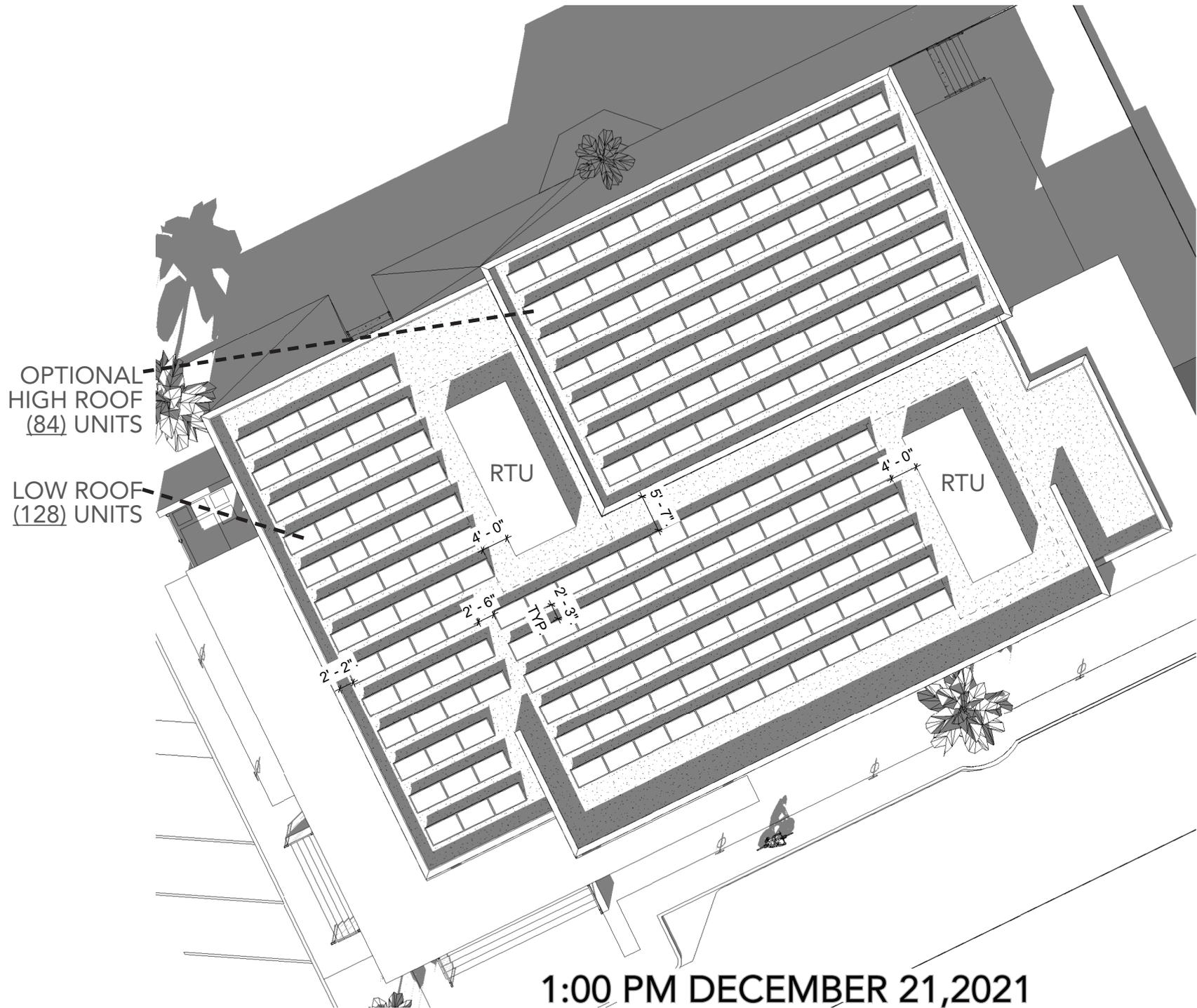


OPTIONAL  
HIGH ROOF  
(84) UNITS

LOW ROOF  
(128) UNITS



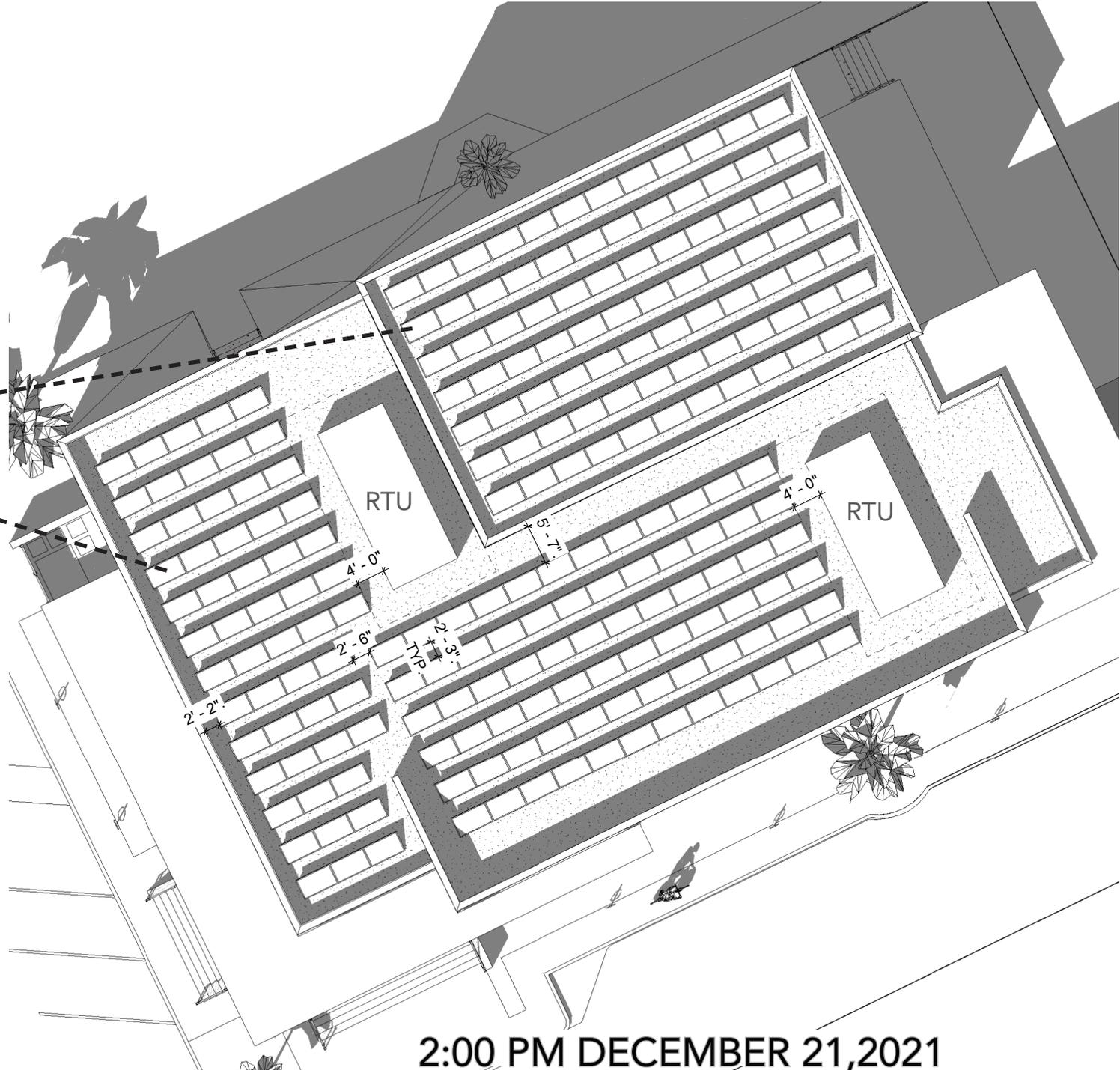
12:00 PM DECEMBER 21, 2021



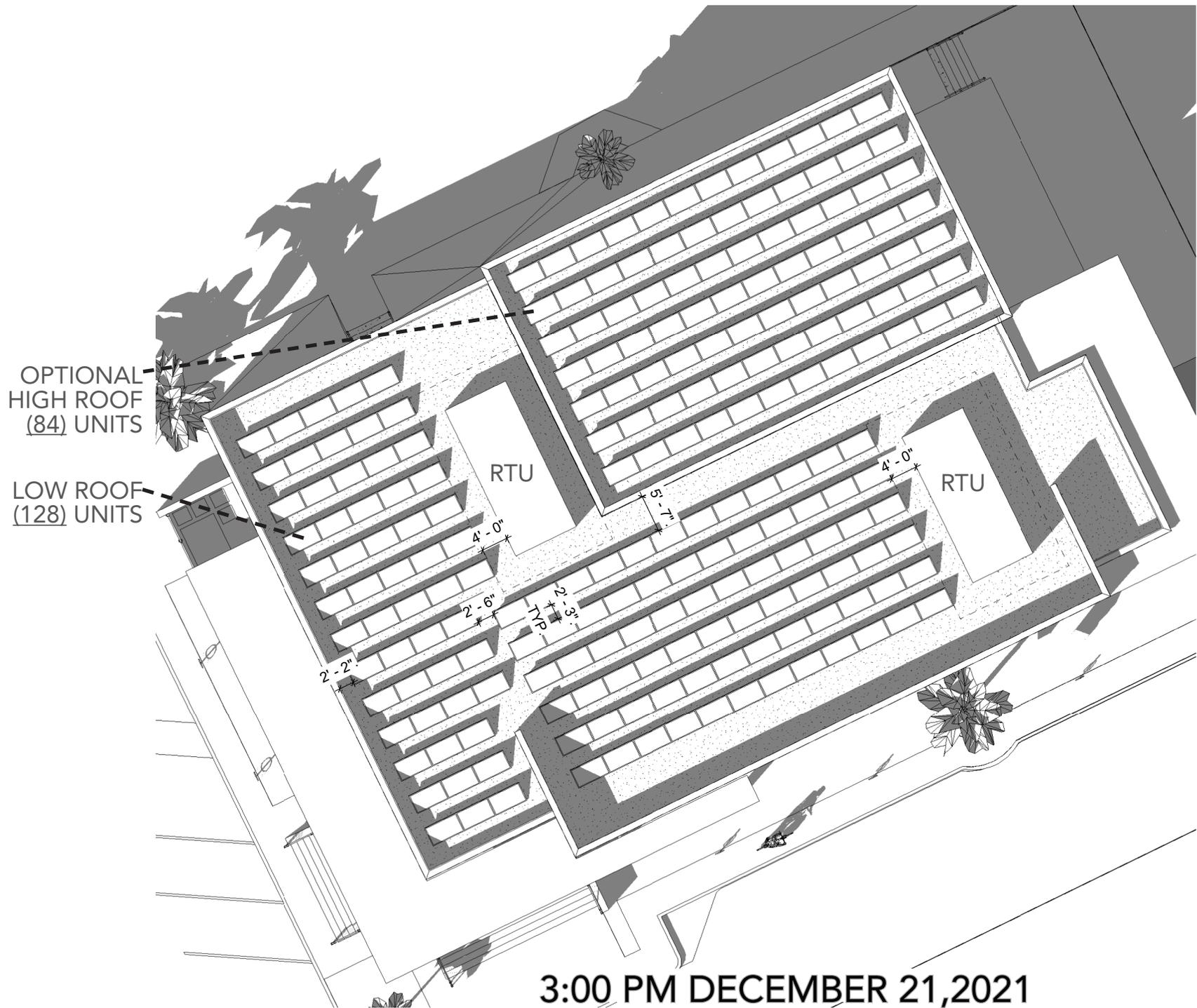
1:00 PM DECEMBER 21, 2021

OPTIONAL  
HIGH ROOF  
(84) UNITS

LOW ROOF  
(128) UNITS



2:00 PM DECEMBER 21, 2021



3:00 PM DECEMBER 21, 2021

<b>Month</b>	<b>Solar Radiation</b> ( kWh / m <sup>2</sup> / day )	<b>AC Energy</b> ( kWh )
<b>January</b>	5.37	8,602
<b>February</b>	6.12	8,821
<b>March</b>	6.70	10,810
<b>April</b>	6.94	10,597
<b>May</b>	6.53	10,076
<b>June</b>	5.86	8,687
<b>July</b>	6.07	9,248
<b>August</b>	6.12	9,377
<b>September</b>	5.89	8,845
<b>October</b>	5.90	9,119
<b>November</b>	5.70	8,741
<b>December</b>	5.05	8,146
<b>Annual</b>	<b>6.02</b>	<b>111,069</b>

## POTENTIAL OUTPUT\*

\*APPROXIMATE UTILIZING [PVWATTS.NREL.GOV](http://PVWATTS.NREL.GOV)