HEATING AND COOLING
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- Cooling was modeled with an EER of 11.0
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- Cooling was modeled with an EER of 11.0
- Infiltration was worked backwards from an airtightness target
## RESULTS

<table>
<thead>
<tr>
<th>CD Model</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>Heat, HP</td>
<td>21,081</td>
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<td><strong>Total</strong></td>
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<td>kWh/sf</td>
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| kBTU/sf/yr | 23.2   |

- Vetted each category of end use with other buildings with motivated occupants
PV SYSTEM

- Sunpower panels with SolarEdge optimizers and inverters
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- 345 panels of 345WDC rating, total 119 kWDC
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- Estimated annual output about 140,000 kWh
AIR BARRIER
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- Our maximum leakage target was 2,015 CFM75
- During design, there was input from the CM as well as the design team
AIR BARRIER
Base Approach
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Base Approach

[Diagram of air barrier system with various layers and dimensions indicated]
AIR BARRIER
Base Approach
QUALITY ASSURANCE TESTING

- 2nd floor corner testing before windows
- 2nd floor corner testing after windows in
- Whole building test after curtainwall was in place
QUALITY ASSURANCE TESTING

• 2nd floor corner testing before windows
• 2nd floor corner testing after windows in
• Whole building test after curtainwall was in place
• Without this process it is doubtful that the target air tightness would have been achieved
QUALITY ASSURANCE TESTING
September 25, 2015
QUALITY ASSURANCE TESTING

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January 1, 2016