In this 3D model, facets appear as semi-transparent to reveal overhangs.

### TABLE OF CONTENTS

- Images ................................................................. 1
- Length Diagram .................................................... 4
- Pitch Diagram ...................................................... 5
- Area Diagram ....................................................... 6
- Notes Diagram ..................................................... 7
- Penetrations Diagram .............................................. 8
- Report Summary .................................................. 9

### MEASUREMENTS

- Total Roof Area = 34,486 sq ft
- Total Roof Facets = 3
- Predominant Pitch = 0/12
- Number of Stories > 1
- Total Ridges/Hips = 0 ft
- Total Valleys = 0 ft
- Total Rakes = 0 ft
- Total Eaves = 0 ft
- Total Penetrations = 134
- Total Penetrations Perimeter = 963 ft
- Total Penetrations Area = 641 sq ft

### PREPARED FOR

Contact: [Redacted]
Company: Know-Fault Ltd
Address: [Redacted]
Phone: 224-678-8316

Measurements provided by [www.eagleview.com](http://www.eagleview.com)
The following aerial images show different angles of this structure for your reference.

Top View
East Side

West Side
Note: This diagram contains segment lengths (rounded to the nearest whole number) over 5.0 Feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g., +6 and +9).
Note: This diagram contains labeled pitches for facet areas larger than 20.0 square feet. In some cases, pitch labels have been removed for readability. Gray shading indicates flat, 1/12 or 2/12 pitches. If present, a value of "F" indicates a flat facet (no pitch).
Total Area = 34,486 sq ft, with 3 facets.

Note: This diagram shows the square feet of each roof facet (rounded to the nearest Foot). The total area in square feet, at the top of this page, is based on the non-rounded values of each roof facet (rounded to the nearest square foot after being totaled).
Roof facets are labeled from smallest to largest (A to Z) for easy reference.
Penetrations are labeled from smallest to largest for easy reference.

Total Penetrations = 134
Total Penetrations Area = 641 sq ft
Total Penetrations Perimeter = 963 ft
Total Roof Area Less Penetrations = 33,845 sq ft
Areas per Pitch

<table>
<thead>
<tr>
<th>Roof Pitches</th>
<th>0/12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area (sq ft)</td>
<td>34,486.2</td>
</tr>
<tr>
<td>% of Roof</td>
<td>100%</td>
</tr>
</tbody>
</table>

The table above lists each pitch on this roof and the total area and percent (both rounded) of the roof with that pitch.

Waste Calculation Table

<table>
<thead>
<tr>
<th>Waste %</th>
<th>0%</th>
<th>10%</th>
<th>12%</th>
<th>15%</th>
<th>17%</th>
<th>20%</th>
<th>22%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area (sq ft)</td>
<td>34,486</td>
<td>37,935</td>
<td>38,624</td>
<td>39,659</td>
<td>40,349</td>
<td>41,383</td>
<td>42,073</td>
</tr>
<tr>
<td>Squares</td>
<td>344.9</td>
<td>379.3</td>
<td>386.2</td>
<td>396.6</td>
<td>403.5</td>
<td>413.8</td>
<td>420.7</td>
</tr>
</tbody>
</table>

This table shows the total roof area and squares (rounded up to the nearest decimal) based upon different waste percentages. The waste factor is subject to the complexity of the roof, individual roofing techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only roof area is included in these waste calculations. Additional materials needed for ridge, hip, valley, and starter lengths are not included.

Penetrations

<table>
<thead>
<tr>
<th>Area (sq ft)</th>
<th>1-69</th>
<th>70</th>
<th>71-77</th>
<th>78-97</th>
<th>98-107</th>
<th>108-109</th>
<th>110</th>
<th>110-114</th>
<th>115-117</th>
<th>118</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perimeter (ft)</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>10</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>Area (sq ft)</td>
<td>119</td>
<td>120</td>
<td>121</td>
<td>122-126</td>
<td>127</td>
<td>128</td>
<td>129-130</td>
<td>131-132</td>
<td>133-134</td>
<td></td>
</tr>
<tr>
<td>Perimeter (ft)</td>
<td>16</td>
<td>17</td>
<td>17</td>
<td>19</td>
<td>20</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>26</td>
<td></td>
</tr>
</tbody>
</table>

Any measured penetration smaller than 3.0x3.0 Feet may need field verification. Accuracy is not guaranteed. The total penetration area is not subtracted from the total roof area.

Lengths, Areas and Pitches

- Ridges = 0 ft (0 Ridges)
- Hips = 0 ft (0 Hips)
- Valleys = 0 ft (0 Valleys)
- Rakes* = 0 ft (0 Rakes)
- Eaves/Starter** = 0 ft (0 Eaves)
- Drip Edge (Eaves + Rakes) = 0 ft (0 Lengths)
- Parapet Walls = 1,810 (32 Lengths)
- Flashing = 0 ft (0 Lengths)
- Step flashing = 0 ft (0 Lengths)
- Total Area = 34,486 sq ft
- Total Penetrations Area = 641 sq ft
- Total Roof Area Less Penetrations = 33,845 sq ft
- Total Penetrations Perimeter = 963 ft
- Predominant Pitch = 0/12

Property Location

Longitude = -87.8582607
Latitude = 42.1452439
Notes

This was ordered as a commercial property. There were no changes to the structure in the past four years.

* Rakes are defined as roof edges that are sloped (not level).
** Eaves are defined as roof edges that are not sloped and level.
### Parapet Wall Area Table

<table>
<thead>
<tr>
<th>Wall Height (ft)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Wall Area</td>
<td>1810</td>
<td>3620</td>
<td>5430</td>
<td>7240</td>
<td>9050</td>
<td>10860</td>
<td>12670</td>
</tr>
</tbody>
</table>

This table provides common parapet wall heights to aid you in calculating the total vertical area of these walls. Note that these values assume a 90 degree angle at the base of the wall. Allow for extra materials to cover cant strips and tapered edges.

### Online Maps

Online map of property
http://maps.google.com/maps?f=g&source=s_q&hl=en&geocode=&q=

Directions from Know-Fault Ltd to this property
http://maps.google.com/maps?f=d&source=s_d&saddr=1481+Millbrook+Drive,Algonquin,IL,60102&daddr=3150-