NEAT INSULATION

R-11 Insulation
• Insulation Cost
  o Bag of insulation costs $20
  o For R-11, bag covers 200 ft²
  o Insulation cost is $20/200 ft² = $0.10/ft²
• Labor Cost
  o House with 1000 ft² attic
  o 2 crew members take four hours each to insulate the attic
  o Crew cost is $30/hour
  o Total labor cost is (2 crew) x (4 hours/crew) x ($30/hour) = $240
  o Labor cost per ft² is $240/1000 ft² = $0.24/ft²

R-19 Insulation
• Insulation Cost
  o Bag of insulation costs $20
  o For R-19, bag covers 100 ft²
  o Insulation cost is $20/100 ft² = $0.20/ft²
• Labor Cost
  o House with 1000 ft² attic
  o 2 crew members take six hours each to insulate the attic
  o Crew cost is $30/hour
  o Total labor cost is (2 crew) x (6 hours/crew) x ($30/hour) = $360
  o Labor cost per ft² is $360/1000 ft² = $0.36/ft²

Check for Consistency

<table>
<thead>
<tr>
<th>Insulation Level</th>
<th>Insulation Cost ($/ft²)</th>
<th>Labor Cost ($/ft²)</th>
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</thead>
<tbody>
<tr>
<td>R-11</td>
<td>0.10</td>
<td>0.24</td>
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<tr>
<td>R-19</td>
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NEAT WINDOW REPLACEMENT

20” X 40” Window
• Window is = 60 UI (United Inches)
• Window manufacturer says window cost is $2/UI
• Cost of window is 60 UI x $2/UI = $120
• Window area is 20 in x 40 in = 800 in²
• Window area converted to ft² is 800 in²/(144 in²/ft²) = 5.56 ft²
• Cost per ft² is $120/5.56 ft² = $21.60/ft²

36” X 48” Window
• Window is = 84 UI (United Inches)
• Window manufacturer says window cost is $2/UI
• Cost of window is 84 UI x $2/UI = $168
• Window area is 36 in x 48 in = 1728 in²
• Window area converted to ft² is 1728 in²/(144 in²/ft²) = 12 ft²
• Cost per ft² is $168/12 ft² = $14/ft²

Average Cost
• (21.60/ft² + $14/ft²)/2 = $17.80/ft²