

Gable Truss Cups Matrix

SIZE	<u>3:12</u>	<u>4:12</u>	<u>5:12</u>	<u>6:12</u>	<u>7:12</u>	<u>8:12</u>	<u>9:12</u>
<u>6' (+2)</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>
<u>8'</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>
<u>10'</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>12</u>	<u>14</u>
<u>12'</u>	<u>14</u>	<u>14</u>	<u>14</u>	<u>14</u>	<u>14</u>	<u>14</u>	<u>14</u>
<u>14'</u>	<u>14</u>	<u>14</u>	<u>14</u>	<u>14</u>	<u>14</u>	<u>16</u>	<u>16</u>
<u>16'</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>
<u>18'</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>18</u>	<u>18</u>	<u>18</u>
<u>20'</u>	<u>18</u>	<u>18</u>	<u>18</u>	<u>18</u>	<u>18</u>	<u>18</u>	<u>20</u>
<u>22'</u>	<u>18</u>	<u>18</u>	<u>18</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>
<u>24'</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>22</u>	<u>22</u>
<u>26'</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>24</u>
<u>28'</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>22</u>	<u>24</u>	<u>24</u>	<u>24</u>
<u>30' (+3)</u>	<u>23</u>	<u>23</u>	<u>25</u>	<u>25</u>	<u>25</u>	<u>25</u>	<u>27</u>
<u>32'</u>	<u>25</u>	<u>25</u>	<u>25</u>	<u>25</u>	<u>27</u>	<u>27</u>	<u>27</u>
<u>34'</u>	<u>25</u>	<u>25</u>	<u>27</u>	<u>27</u>	<u>27</u>	<u>29</u>	<u>29</u>
<u>36'</u>	<u>27</u>	<u>27</u>	<u>27</u>	<u>27</u>	<u>29</u>	<u>29</u>	<u>31</u>
<u>38'</u>	<u>27</u>	<u>27</u>	<u>29</u>	<u>29</u>	<u>29</u>	<u>31</u>	<u>31</u>
<u>40' (+4)</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>32</u>	<u>32</u>	<u>32</u>	<u>34</u>
<u>42'</u>	N/A	<u>30</u>	<u>32</u>	<u>32</u>	<u>34</u>	<u>34</u>	N/A
<u>44'</u>	N/A	<u>32</u>	<u>32</u>	<u>34</u>	<u>34</u>	<u>36</u>	N/A
<u>46'</u>	N/A	<u>34</u>	<u>34</u>	<u>34</u>	<u>36</u>	<u>36</u>	N/A
<u>48'</u>	N/A	<u>34</u>	<u>34</u>	<u>36</u>	<u>36</u>	<u>38</u>	N/A
<u>50'</u>	N/A	<u>36</u>	<u>36</u>	<u>36</u>	<u>38</u>	<u>38</u>	N/A
<u>52' (+6)</u>	N/A	<u>38</u>	<u>38</u>	<u>40</u>	<u>40</u>	<u>42</u>	N/A
<u>54'</u>	N/A	<u>40</u>	<u>40</u>	<u>42</u>	<u>42</u>	<u>44</u>	N/A
<u>56'</u>	N/A	<u>40</u>	<u>42</u>	<u>42</u>	<u>44</u>	<u>44</u>	N/A
<u>58'</u>	N/A	<u>42</u>	<u>42</u>	<u>44</u>	<u>44</u>	<u>46</u>	N/A
<u>60'</u>	N/A	<u>42</u>	<u>44</u>	<u>44</u>	<u>46</u>	<u>46</u>	N/A
<u>62'</u>	N/A	<u>44</u>	<u>44</u>	<u>46</u>	<u>46</u>	<u>48</u>	N/A
<u>64'</u>	N/A	<u>44</u>	<u>46</u>	<u>46</u>	<u>48</u>	<u>50</u>	N/A
<u>66'</u>	N/A	<u>46</u>	<u>46</u>	<u>48</u>	<u>50</u>	<u>50</u>	N/A
<u>68' (+7)</u>	N/A	<u>47</u>	<u>49</u>	<u>49</u>	<u>51</u>	<u>53</u>	N/A
<u>70'</u>	N/A	<u>49</u>	<u>49</u>	<u>51</u>	<u>53</u>	<u>53</u>	N/A
<u>72'</u>	N/A	<u>49</u>	<u>51</u>	<u>53</u>	<u>53</u>	<u>55</u>	N/A
<u>74'</u>	N/A	<u>51</u>	<u>51</u>	<u>53</u>	<u>55</u>	<u>57</u>	N/A
<u>76'</u>	N/A	<u>51</u>	<u>53</u>	<u>55</u>	<u>55</u>	<u>57</u>	N/A
<u>78'</u>	N/A	<u>53</u>	<u>55</u>	<u>55</u>	<u>57</u>	<u>59</u>	N/A
<u>80'</u>	N/A	<u>53</u>	<u>55</u>	<u>57</u>	<u>59</u>	<u>59</u>	N/A
<u>82' (+8)</u>	N/A	<u>56</u>	<u>58</u>	<u>58</u>	<u>60</u>	<u>62</u>	N/A
<u>84'</u>	N/A	<u>58</u>	<u>58</u>	<u>60</u>	<u>62</u>	<u>64</u>	N/A
<u>86'</u>	N/A	<u>58</u>	<u>60</u>	<u>60</u>	<u>62</u>	<u>64</u>	N/A
<u>88'</u>	N/A	<u>60</u>	<u>60</u>	<u>62</u>	<u>64</u>	<u>66</u>	N/A
<u>90'</u>	N/A	<u>60</u>	<u>62</u>	<u>64</u>	<u>64</u>	<u>66</u>	N/A
<u>92'</u>	N/A	<u>62</u>	<u>62</u>	<u>64</u>	<u>66</u>	<u>68</u>	N/A
<u>94'</u>	N/A	<u>62</u>	<u>64</u>	<u>66</u>	<u>68</u>	<u>70</u>	N/A
<u>96'</u>	N/A	<u>64</u>	<u>64</u>	<u>66</u>	<u>68</u>	<u>70</u>	N/A
<u>98'</u>	N/A	<u>64</u>	<u>66</u>	<u>68</u>	<u>70</u>	<u>72</u>	N/A

This matrix (a) provides common truss sizes (b) shows the number of cups (and thus rows of roof purlins) required (c) Provides inside of post measurements

Legend: ■ Yellow = Standard Pitch ◆ Green = Stock Truss Italicized and Underlined = Custom Truss Code

For Odd Width Trusses: Cups - Round Up Panel Lengths and Post Measurement - Split Difference

100'	N/A	66	66	68	70	72	N/A
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Gable Truss Roof Panel Lengths Matrix (Standard 18" Overhang)

SIZE	3:12	4:12	5:12	6:12	7:12	8:12	9:12
6'	4'8"	4'9"	4'11"	5'1"	5'3"	5'5"	5'8"
8'	5'8"	5'10"	6'0"	6'2"	6'5"	6'8"	6'11"
10'	6'9"	6'11"	7'1"	7'4"	7'7"	7'10"	8'2"
12'	7'9"	7'11"	8'2"	8'5"	8'9"	9'1"	9'5"
14'	8'10"	9'0"	9'3"	9'6"	9'11"	10'3"	10'8"
16'	9'10"	10'1"	10'4"	10'8"	11'0"	11'5"	11'11"
18'	10'10"	11'1"	11'5"	11'9"	12'2"	12'8"	13'2"
20'	11'11"	12'2"	12'6"	12'11"	13'4"	13'10"	14'5"
22'	12'11"	13'3"	13'7"	14'0"	14'6"	15'1"	15'8"
24'	13'11"	14'3"	14'8"	15'2"	15'8"	16'3"	16'11"
26'	15'0"	15'4"	15'9"	16'3"	16'10"	17'6"	18'2"
28'	16'0"	16'5"	16'10"	17'4"	18'0"	18'8"	19'5"
30'	17'1"	17'5"	17'11"	18'6"	19'2"	19'10"	20'8"
32'	18'1"	18'6"	19'0"	19'7"	20'4"	21'1"	21'11"
34'	19'1"	19'6"	20'1"	20'9"	21'5"	22'3"	23'2"
36'	20'2"	20'7"	21'2"	21'10"	22'7"	23'6"	24'5"
38'	21'2"	21'8"	22'3"	22'11"	23'9"	24'8"	25'8"
40'	22'2"	22'8"	23'4"	24'1"	24'11"	25'11"	26'11"
42'	N/A	23'9"	24'5"	25'2"	26'1"	27'1"	N/A
44'	N/A	24'10"	25'6"	26'4"	27'3"	28'3"	N/A
46'	N/A	25'10"	26'7"	27'5"	28'5"	29'6"	N/A
48'	N/A	26'11"	27'8"	28'7"	29'7"	30'8"	N/A
50'	N/A	28'0"	28'9"	29'8"	30'9"	31'11"	N/A
52'	N/A	29'0"	29'10"	30'9"	31'10"	33'1"	N/A
54'	N/A	30'1"	30'11"	31'11"	33'0"	34'3"	N/A
56'	N/A	31'2"	32'0"	33'0"	34'2"	35'6"	N/A
58'	N/A	32'2"	33'1"	34'2"	35'4"	36'8"	N/A
60'	N/A	33'3"	34'2"	35'3"	36'6"	37'11"	N/A
62'	N/A	34'4"	35'3"	36'4"	37'8"	39'1"	N/A
64'	N/A	35'4"	36'4"	37'6"	38'10"	40'4"	N/A
66'	N/A	36'5"	37'5"	38'7"	40'0"	41'6"	N/A
68'	N/A	37'5"	38'6"	39'9"	41'2"	42'8"	N/A
70'	N/A	38'6"	39'7"	40'10"	42'4"	43'11"	N/A
72'	N/A	39'7"	40'8"	42'0"	43'5"	45'1"	N/A
74'	N/A	40'7"	41'9"	43'1"	44'7"	46'4"	N/A
76'	N/A	41'8"	42'10"	44'2"	45'9"	47'6"	N/A
78'	N/A	42'9"	43'11"	45'4"	46'11"	48'9"	N/A
80'	N/A	43'9"	45'0"	46'5"	48'1"	49'11"	N/A
82'	N/A	44'10"	46'1"	47'7"	49'3"	51'1"	N/A
84'	N/A	45'11"	47'2"	48'8"	50'5"	52'4"	N/A
86'	N/A	46'11"	48'3"	49'9"	51'7"	53'6"	N/A
88'	N/A	48'0"	49'4"	50'11"	52'9"	54'9"	N/A
90'	N/A	49'1"	50'5"	52'0"	53'10"	55'11"	N/A
92'	N/A	50'1"	51'6"	53'2"	55'0"	57'1"	N/A
94'	N/A	51'2"	52'7"	54'3"	56'2"	58'4"	N/A
96'	N/A	52'3"	53'8"	55'5"	57'4"	59'6"	N/A

This matrix (a) provides common truss sizes (b) shows the number of cups (and thus rows of roof purlins) required (c) Provides inside of post measurements

Legend: ■ Yellow = Standard Pitch ◆ Green = Stock Truss *Italicized and Underlined = Custom Truss Code*

For Odd Width Trusses: Cups - Round Up Panel Lengths and Post Measurement - Split Difference

98'	N/A	■53'3"	<u>54'9"</u>	<u>56'6"</u>	<u>58'6"</u>	<u>60'9"</u>	N/A
100'	N/A	■54'4"	<u>55'10"</u>	<u>57'7"</u>	<u>59'8"</u>	<u>61'11"</u>	N/A

Gable Truss Inside of Post Measurement Matrix

SIZE (NOT AFFECTED BY PITCH, ONLY POST SIZE)	6x6 Posts	8x8 Posts	10x10 Posts (Not Supplied By BBM)
6' (Made for 6x6 Posts)	5'1"	<u>4'9"</u>	<u>4'5"</u>
8'	7'1"	<u>6'9"</u>	<u>6'5"</u>
10'	9'1"	<u>8'9"</u>	<u>8'5"</u>
12'	11'1"	<u>10'9"</u>	<u>10'5"</u>
14'	13'1"	<u>12'9"</u>	<u>12'5"</u>
16'	15'1"	<u>14'9"</u>	<u>14'5"</u>
18'	17'1"	<u>16'9"</u>	<u>16'5"</u>
20'	19'1"	<u>18'9"</u>	<u>18'5"</u>
22'	21'1"	<u>20'9"</u>	<u>20'5"</u>
24'	23'1"	<u>22'9"</u>	<u>22'5"</u>
26'	25'1"	<u>24'9"</u>	<u>24'5"</u>
28'	27'1"	<u>26'9"</u>	<u>26'5"</u>
30'	29'1"	<u>28'9"</u>	<u>28'5"</u>
32'	31'1"	<u>30'9"</u>	<u>30'5"</u>
34'	33'1"	<u>32'9"</u>	<u>32'5"</u>
36'	35'1"	<u>34'9"</u>	<u>34'5"</u>
38'	37'1"	<u>36'9"</u>	<u>36'5"</u>
40'	39'1"	<u>38'9"</u>	<u>38'5"</u>
42' (Made for 8x8 Posts)	N/A	40'9"	<u>40'5"</u>
44'	N/A	42'9"	<u>42'5"</u>
46'	N/A	44'9"	<u>44'5"</u>
48'	N/A	46'9"	<u>46'5"</u>
50'	N/A	48'9"	<u>48'5"</u>
52'	N/A	50'9"	<u>50'5"</u>
54'	N/A	52'9"	<u>52'5"</u>
56'	N/A	54'9"	<u>54'5"</u>
58'	N/A	56'9"	<u>56'5"</u>
60'	N/A	58'9"	<u>58'5"</u>
62'	N/A	60'9"	<u>60'5"</u>
64'	N/A	62'9"	<u>62'5"</u>
66'	N/A	64'9"	<u>64'5"</u>
68'	N/A	66'9"	<u>66'5"</u>
70'	N/A	68'9"	<u>68'5"</u>
72' (Made for 10x10 Posts)	N/A	N/A	70'5"
74'	N/A	N/A	72'5"
76'	N/A	N/A	74'5"
78'	N/A	N/A	76'5"
80'	N/A	N/A	78'5"
82'	N/A	N/A	80'5"
84'	N/A	N/A	82'5"
86'	N/A	N/A	84'5"
88'	N/A	N/A	86'5"
90'	N/A	N/A	88'5"
92'	N/A	N/A	90'5"
94'	N/A	N/A	92'5"

This matrix (a) provides common truss sizes (b) shows the number of cups (and thus rows of roof purlins) required (c) Provides inside of post measurements

Legend: ■Yellow = Standard Pitch ◆Green = Stock Truss *Italicized and Underlined = Custom Truss Code*

For Odd Width Trusses: Cups - Round Up Panel Lengths and Post Measurement - Split Difference

96'	N/A	N/A	94'5"
98'	N/A	N/A	96'5"
100'	N/A	N/A	98'5"

Lean-To Truss Cups Matrix

SIZE	Attached Lean-To			Free Standing Lean-To		
	1:12	2:12	3:12	1:12	2:12	3:12
8' (+1)	7	7	8	8	8	9
10'	8	8	9	9	9	10
12'	9	9	10	10	10	11
14'	10	11	11	11	12	12
16'	11	12	12	12	13	13
18'	12	13	13	13	14	14
20'	13	14	14	14	15	15
22' (+2)	15	16	16	16	17	17
24'	16	17	17	17	18	18
26' (+3)	18	19	19	19	20	20
28'	19	20	20	20	21	21
30'	20	21	21	21	22	22
32'	21	22	22	22	23	23
34'	22	23	23	23	24	24
36'	23	24	24	24	25	25
38'	24	25	25	25	26	26
40'	25	26	26	26	27	27
42'	26	27	27	27	28	28

Lean-To Truss Roof Panel Lengths Matrix (Standard 18" Overhang)

SIZE	Attached Lean-To (Low Side OH Only)			Free Standing Lean-To		
	1:12	2:12	3:12	1:12	2:12	3:12
8'	9'7"	9'8"	9'10"	11'1"	11'2"	11'5"
10'	11'7"	11'8"	11'11"	13'1"	13'3"	13'5"
12'	13'7"	13'9"	13'11"	15'1"	15'3"	15'6"
14'	15'7"	15'9"	16'0"	17'1"	17'3"	17'7"
16'	17'7"	17'9"	18'1"	19'1"	19'4"	19'7"
18'	19'7"	19'10"	20'2"	21'1"	21'4"	21'8"
20'	21'7"	21'10"	22'2"	23'1"	23'4"	23'9"
22'	23'7"	23'10"	24'3"	25'1"	25'5"	25'10"
24'	25'8"	25'11"	26'4"	27'2"	27'5"	27'10"
26'	27'8"	27'11"	28'5"	29'2"	29'5"	29'11"
28'	29'8"	29'11"	30'5"	31'2"	31'6"	32'0"
30'	31'8"	32'0"	32'6"	33'2"	33'6"	34'1"
32'	33'8"	34'0"	34'7"	35'2"	35'6"	36'1"
34'	35'8"	36'0"	36'8"	37'2"	37'7"	38'2"
36'	37'8"	38'1"	38'8"	39'2"	39'7"	40'3"
38'	39'8"	40'1"	40'9"	41'2"	41'7"	42'4"
40'	41'8"	42'1"	42'10"	43'2"	43'8"	44'4"
42'	43'8"	44'2"	44'10"	45'2"	45'8"	46'5"

This matrix (a) provides common truss sizes (b) shows the number of cups (and thus rows of roof purlins) required (c) Provides inside of post measurements

Legend: ■ Yellow = Standard Pitch ◆ Green = Stock Truss *Italicized and Underlined = Custom Truss Code*

For Odd Width Trusses: Cups - Round Up Panel Lengths and Post Measurement - Split Difference

Lean-To Truss Inside of Post Measurement Matrix

SIZE	Attached Lean-To (Only Low Side Post Included)			Free Standing Lean-To		
	6x6	8x8	10x10 (Not Supplied by BBM)	6x6	8x8	10x10 (Not Supplied by BBM)
8'	7'6 1/2"	7'4 1/2"	7'2 1/2"	7'1"	6'9"	6'5"
10'	9'6 1/2"	9'4 1/2"	9'2 1/2"	9'1"	8'9"	8'5"
12'	11'6 1/2"	11'4 1/2"	11'2 1/2"	11'1"	10'9"	10'5"
14'	13'6 1/2"	13'4 1/2"	13'2 1/2"	13'1"	12'9"	12'5"
16'	15'6 1/2"	15'4 1/2"	15'2 1/2"	15'1"	14'9"	14'5"
18'	17'6 1/2"	17'4 1/2"	17'2 1/2"	17'1"	16'9"	16'5"
20'	19'6 1/2"	19'4 1/2"	19'2 1/2"	19'1"	18'9"	18'5"
22'	21'6 1/2"	21'4 1/2"	21'2 1/2"	21'1"	20'9"	20'5"
24'	23'6 1/2"	23'4 1/2"	23'2 1/2"	23'1"	22'9"	22'5"
26'	25'6 1/2"	25'4 1/2"	25'2 1/2"	25'1"	24'9"	24'5"
28'	27'6 1/2"	27'4 1/2"	27'2 1/2"	27'1"	26'9"	26'5"
30'	29'6 1/2"	29'4 1/2"	29'2 1/2"	29'1"	28'9"	28'5"
32'	31'6 1/2"	31'4 1/2"	31'2 1/2"	31'1"	30'9"	30'5"
34'	33'6 1/2"	33'4 1/2"	33'2 1/2"	33'1"	32'9"	32'5"
36'	35'6 1/2"	35'4 1/2"	35'2 1/2"	35'1"	34'9"	34'5"
38'	37'6 1/2"	37'4 1/2"	37'2 1/2"	37'1"	36'9"	36'5"
40'	39'6 1/2"	39'4 1/2"	39'2 1/2"	39'1"	38'9"	38'5"
42'	41'6 1/2"	41'4 1/2"	41'2 1/2"	41'1"	40'9"	40'5"

Snoot Truss Matrix

SIZE	<u>1:12</u>	<u>2:12</u>	<u>3:12</u>	<u>4:12</u>	<u>5:12</u>	<u>6:12</u>	<u>7:12</u>
3'	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
4'	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>
5'	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>
6'	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>
7'	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>6</u>
8'	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>6</u>

Snoot Truss Roof Panel Lengths Matrix (Standard NO Overhang)

SIZE	<u>1:12</u>	<u>2:12</u>	<u>3:12</u>	<u>4:12</u>	<u>5:12</u>	<u>6:12</u>	<u>7:12</u>
3'	<u>3'1"</u>	<u>3'1"</u>	<u>3'2"</u>	<u>3'2"</u>	<u>3'3"</u>	<u>3'5"</u>	<u>3'6"</u>
4'	<u>4'1"</u>	<u>4'1"</u>	<u>4'2"</u>	<u>4'3"</u>	<u>4'4"</u>	<u>4'6"</u>	<u>4'8"</u>
5'	<u>5'1"</u>	<u>5'1"</u>	<u>5'2"</u>	<u>5'4"</u>	<u>5'5"</u>	<u>5'8"</u>	<u>5'10"</u>
6'	<u>6'1"</u>	<u>6'1"</u>	<u>6'3"</u>	<u>6'4"</u>	<u>6'6"</u>	<u>6'9"</u>	<u>7'0"</u>

This matrix (a) provides common truss sizes (b) shows the number of cups (and thus rows of roof purlins) required (c) Provides inside of post measurements

Legend: ■ Yellow = Standard Pitch ◆ Green = Stock Truss *Italicized and Underlined = Custom Truss Code*

For Odd Width Trusses: Cups - Round Up Panel Lengths and Post Measurement - Split Difference

<u>7'</u>	<u>7'1"</u>	<u>7'2"</u>	<u>7'3"</u>	<u>7'5"</u>	<u>7'7"</u>	<u>7'10"</u>	■ <u>8'2"</u>
<u>8'</u>	<u>8'1"</u>	<u>8'2"</u>	<u>8'3"</u>	<u>8'6"</u>	<u>8'8"</u>	<u>9'0"</u>	■ <u>9'4"</u>

This matrix (a) provides common truss sizes (b) shows the number of cups (and thus rows of roof purlins) required (c) Provides inside of post measurements

Legend: ■Yellow = Standard Pitch ◆Green = Stock Truss *Italicized and Underlined = Custom Truss Code*

For Odd Width Trusses: Cups - Round Up Panel Lengths and Post Measurement - Split Difference