

Rafter Length
Longest Edge to Top Square End

501 15' 6 3/16"
502 14' 7 1/4"
503 13' 1 3/16"
504 11' 7 1/8"
505 10' 1"
506 8' 6 15/16"
507 7' 13/16"
508 5' 6 3/4"
509 4' 11/16"
510 2' 6 9/16"
511 1' 1/2"

601 19'
602 19'
603 19'
604 19'
605 19'
606 19'
607 19'
608 19'
609 19'
610 19'
611 19'
612 19'
613 11' 1 7/16"
614 9' 7 3/8"
615 8' 1 1/4"
616 6' 7 3/16"
617 5' 1 1/8"
618 3' 7"

701 19'
702 19'

703 19'
704 19'
705 19'
706 19'
707 19'
708 17' 5 13/16"
709 17' 5 13/16"
710 17' 5 13/16"
711 17' 5 13/16"
712 17' 5 13/16"
713 10' 11 1/2"
714 9' 5 3/8"
715 7' 11 5/16"
716 6' 5 3/16"
717 4' 11 1/8"
718 3' 5 1/16"

801 14' 11 13/16"
802 14' 5 3/8"
803 12' 11 1/4"
804 11' 5 3/16"
805 9' 11 1/8"
806 8' 5"
807 6' 10 15/16"
808 5' 4 7/8"
809 3' 10 3/4"
810 2' 4 11/16"
811 10 5/8"

901 15' 8 1/16"
902 13' 11 7/16"
903 12' 2 3/4"
904 10' 6 1/16"
905 8' 9 3/8"
906 7' 3/4"
907 5' 4 1/16"

908 3' 7 7/16"
909 1' 10 3/4"
910 7 13/16"

1001 18' 5 5/8" long view
1002 16' 8 15/16"
1003 15' 5/16"
1004 13' 3 5/8"
1005 11' 7"
1006 9' 10 5/16"
1007 8' 1 5/8"
1008 6' 5"
1009 4' 8 5/16"
1010 2' 11 11/16"
1011 2' 1"
1012 10 5/8"

1101 18' 7 11/16"
1102 18'
1103 18'
1104 18'
1105 18'
1106 10' 7 3/4"
1107 8' 11 1/16"
1108 7' 2 5/16"
1109 5' 5 11/16"
1110 3' 9 1/16"

1201 18'
1202 18'
1203 18'
1204 18'
1205 18'
1206 11' 2 9/16"
1207 9' 5 13/16"
1208 7' 9 1/8"

1209 6' 1/2"
1210 4' 9 5/8"

Rafter Rough Length

- 1 801 16' + 1003 16' = 32'
- 2 501 16' + 502 15' = 31'
- 3 1002 17' + 802 15' = 32'
- 4 901 17' + 902 15' = 32'
- 5 1001 18' + 503 14' = 32'
- 6 1205 19' + 803 14' = 33'
- 7 1204 19' + 1004 14' = 33'
- 8 1203 19' + 903 13' = 32'
- 9 1202 19' + 1005 13' = 32'
- 10 1201 19' + 504 12' = 31'
- 11 1105 19' + 613 12' = 31'
- 12 1104 19' + 713 12' = 31'
- 13 1103 19' + 804 12' = 31'
- 14 1102 19' + 904 12' = 31'
- 15 1101 19' + 1206 12' = 31'
- 16 712 20' + 505 11' = 31'
- 17 711 20' + 805 11' = 31'
- 18 710 20' + 1006 11' = 31'

- 19 709 20' + 1106 11' + 511 2' = 33'
- 20 708 20' + 614 10' + 811 2' = 32'
- 21 707 20' + 714 10' + 910 2' = 32'
- 22 706 20' + 905 10' + 1011 2' = 32'
- 23 705 20' + 1107 10' + 510 3' = 33'
- 24 704 20' + 1207 10' + 810 3' = 33'
- 25 703 20' + 506 9' + 909 3' = 32'
- 26 702 20' + 615 9' + 1010 3' = 32'
- 27 701 20' + 715 9' + 618 4' = 33'
- 28 612 20' + 806 9' + 718 4' = 33'
- 29 611 20' + 1007 9' + 809 5' = 34'

30 610 20' + 1208 9' + 1110 5' = 34'
31 609 20' + 507 8' + 908 5' = 33'
32 608 20' + 807 8' + 509 5' = 33'
33 607 20' + 906 8' + 1210 6' = 34'
34 606 20' + 1108 8' + 1109 6' = 34'
35 605 20' + 616 7' + 1009 6' = 33'
36 604 20' + 716 7' + 907 6' = 33'
37 603 20' + 1008 7' + 808 6' = 33'
38 602 20' + 1209 7' + 717 6' = 33'
39 601 20' + 617 6' + 508 6' = 32'

40 x 36' = 1440 ft, 1 3/4 x 11 78
Use extra for blocking.
If short, fill in with 2x6s