

Deck Angle = 90.00000  
 Plan Angle = 51.34019  
 Roof Pitch = 8:12  
 Roof Pitch Angle = 33.69007  
 R1 Hip Rafter Angle = 27.50055  
 C5m Hip Rafter Backing Angle = 20.27452  
 C5m 90° - Hip Rafter Backing Angle = 69.72548  
 R4m Hip Rafter Side Cut Angle = 35.35971  
 P2m Jack Rafter Side Cut Angle = 33.64933  
 90° - P2m Roof Sheathing Angle = 56.35067  
 P1m Purlin Miter Angle = 23.92974  
 C1m Purlin Saw Bevel Angle = 31.31734

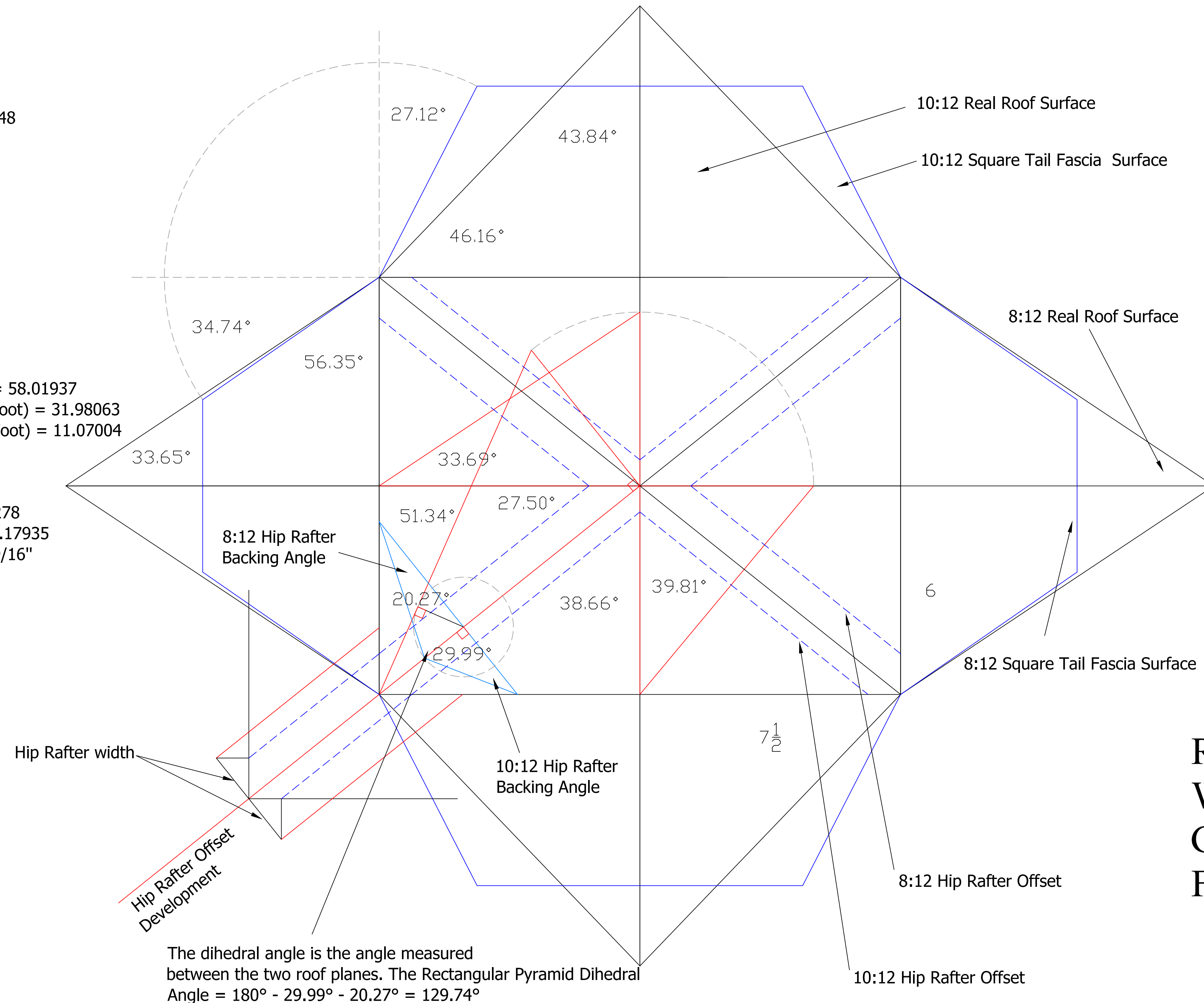
SFMm Fascia Miter Angle = 34.73648  
 90 - SFMm Fascia Miter Angle = 55.26352  
 SFBm Fascia Saw Bevel Angle = 28.67913  
 R2m Hip Rafter Miter Angle = 12.98849  
 90 - R2m Hip Rafter Miter Angle = 77.01151  
 C1m Hip Rafter Saw Bevel Angle = 31.31734  
 Hip Rafter Square Tail Side Cut Angle (Foot) = 58.01937  
 90° - Hip Rafter Square Tail Side Cut Angle (Foot) = 31.98063  
 Hip Rafter Square Tail Side Cut Bevel Angle (Foot) = 11.07004  
 HSCm = 72.35669  
 Q2m = 83.16343

Main Span Fascia Miter Angle Length = 6.69278  
 Adjacent Span Fascia Miter Angle Length = 6.17935  
 Fascia Miter Angle Length Difference = 0'-0 9/16"  
 Rip Main Fascia Down = 0'-0 7/16"

Deck Angle = 90.00000  
 Plan Angle = 38.65981  
 Roof Pitch = 10:12  
 Roof Pitch Angle = 39.80557  
 R1 Hip Rafter Angle = 27.50055  
 C5a Hip Rafter Backing Angle = 29.99339  
 C5a 90° - Hip Rafter Backing Angle = 60.00661  
 R4a Hip Rafter Side Cut Angle = 47.95238  
 P2a Jack Rafter Side Cut Angle = 43.83911  
 90° - P2a Roof Sheathing Angle = 46.16089  
 P1a Purlin Miter Angle = 38.66786  
 C1a Purlin Saw Bevel Angle = 36.86131

SFMa Fascia Miter Angle = 27.11914  
 90 - SFMa Fascia Miter Angle = 62.88086  
 SFBa Fascia Saw Bevel Angle = 40.52065  
 R2a Hip Rafter Miter Angle = 25.64298  
 90 - R2a Hip Rafter Miter Angle = 64.35702  
 C1a Hip Rafter Saw Bevel Angle = 36.86131  
 Hip Rafter Square Tail Side Cut Angle (Foot) = 50.25040  
 90° - Hip Rafter Square Tail Side Cut Angle (Foot) = 39.74960  
 Hip Rafter Square Tail Side Cut Bevel Angle (Foot) = 20.25803  
 HSCa = 85.48402  
 Q2a = 73.93530

Adjacent Span Fascia Thickness 0.75 = 0.64985  
 Main Span Fascia Thickness 0.75 = 0.86558  
 Plane Down Adjacent Span Fascia Thickness = 0.21573"



## Rectangular Pyramid Roof With Square Tail Fascia Geometric & Trigonometric Roof Framing Development













