



Roof pitches affect the square (and board) feet of a roof deck. Determine the roof deck area by using a mathematical formula that accounts for the roof length, total span, and roof pitch.

- Determine the roof pitch, usually on the elevation page of plans.
- Determine total square footage of the conditioned attic.
- Use the chart below to calculate the total area of the roof deck.
- Conditioned Attic Square Footage x Slope Factor = Roof Deck Area

PITCH OF ROOF	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
SLOPE FACTOR	1.0035	1.0138	1.0308	1.0541	1.0833	1.1180	1.1577	1.2019	1.2500	1.3017	1.3566	1.4142
VALLEY & HIP FACTOR	1.4167	1.4240	1.4362	1.4530	1.4743	1.5000	1.5298	1.5635	1.6008	1.6415	1.6853	1.7320

