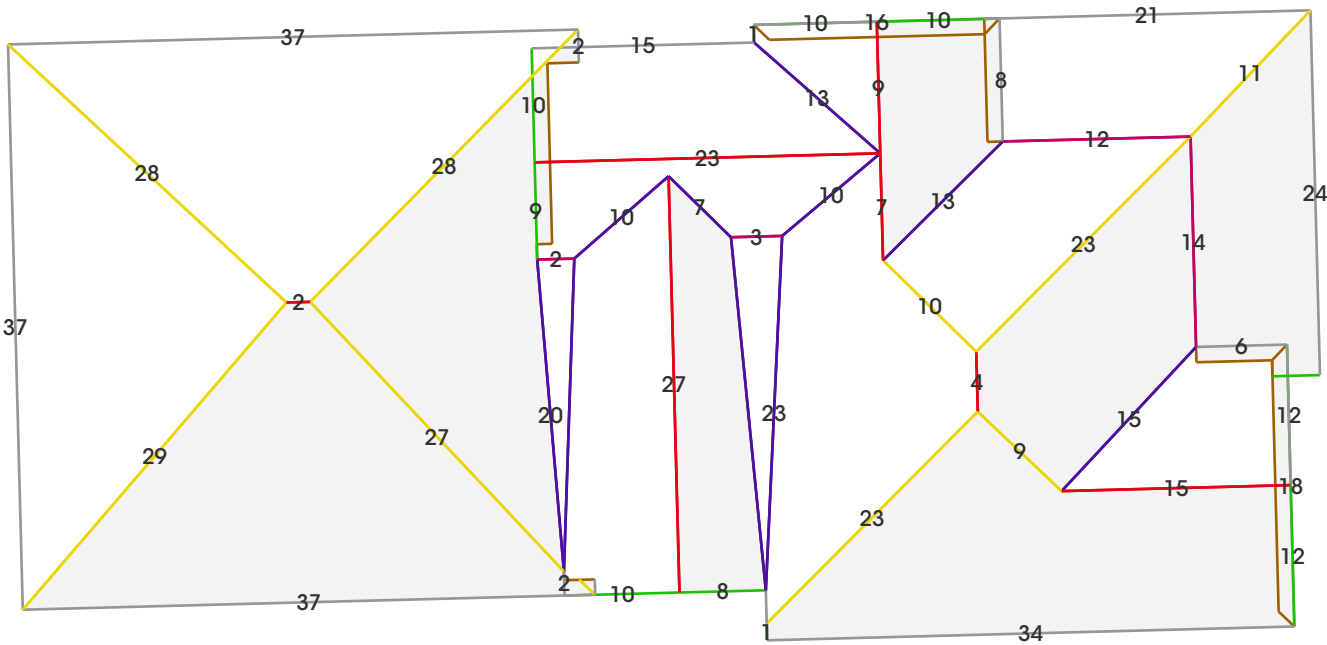




| Flash | Step | Drip |
|-------|------|------|
| 47 | 25 | 347 |

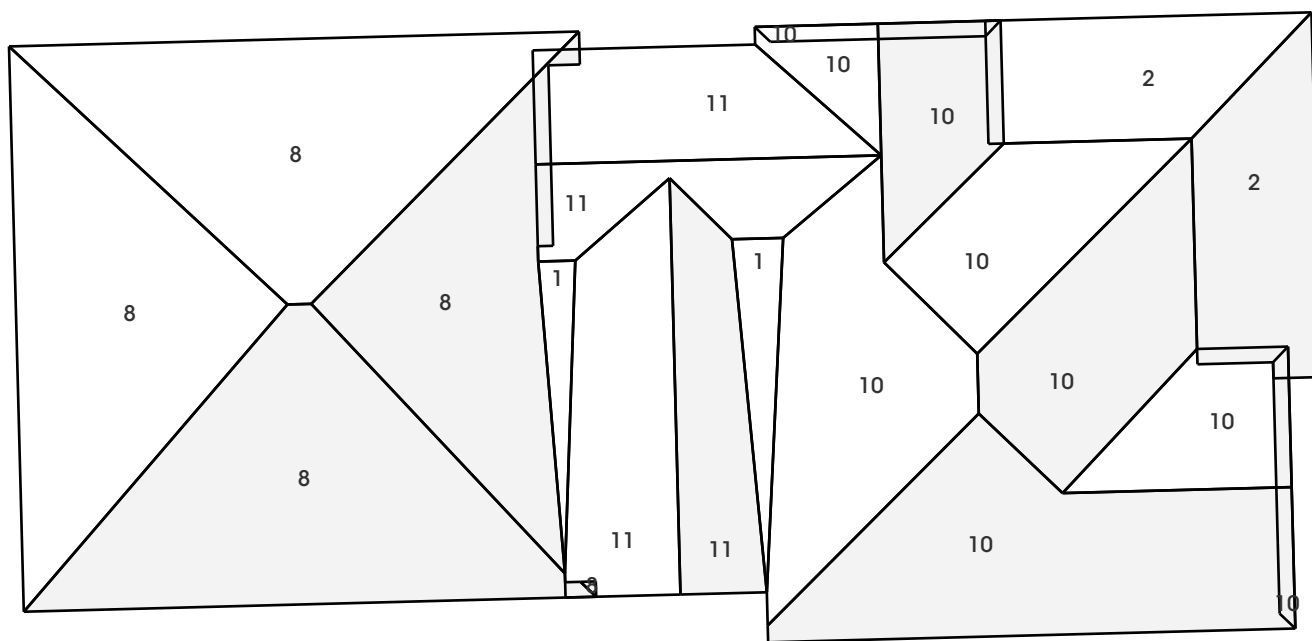


| | | | | | |
|------|------|-----|------|-------|--------|
| Bend | Eave | Hip | Rake | Ridge | Valley |
| 32 | 262 | 188 | 85 | 86 | 154 |

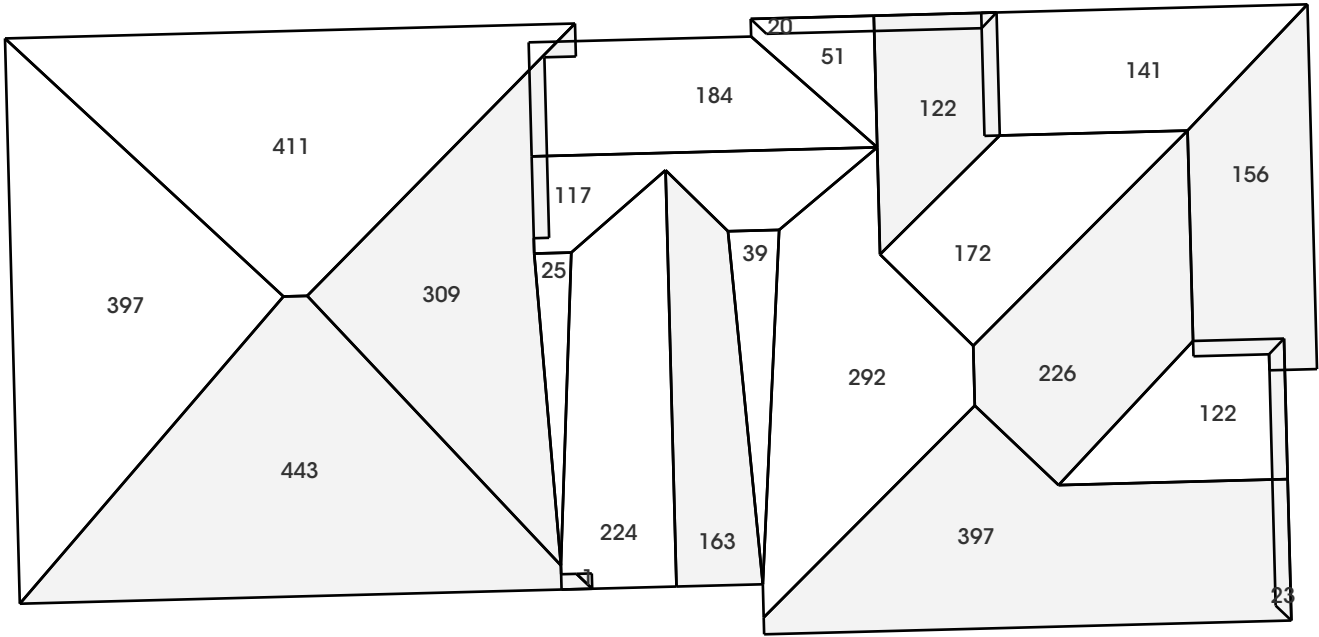
Lengths in feet



Pitches



Pitches in inches per foot



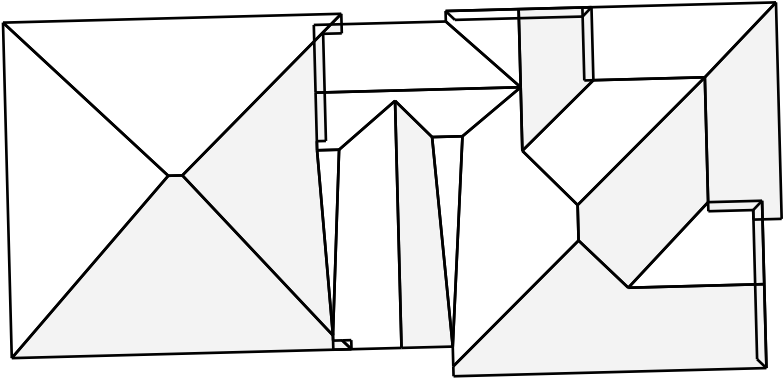
Areas in square feet



| Pitch | 1 | 2 | 8 | 10 | 11 |
|---------|----|-----|-------|-------|-----|
| Area | 63 | 297 | 1,560 | 1,426 | 688 |
| Percent | 2% | 7% | 39% | 35% | 17% |

Suggested

| Waste | 0% | 10% | 13% | 15% | 17% | 20% | 25% |
|---------|-------|-------|-------|-------|-------|-------|-------|
| Area | 4,034 | 4,438 | 4,559 | 4,639 | 4,720 | 4,841 | 5,043 |
| Squares | 41 | 45 | 46 | 47 | 48 | 49 | 51 |



| | |
|--------------|-------------|
| Roof Area | 4,034 sq ft |
| Roof Facets | 22 |
| Pitch | 8 / 12 |
| Bends | 32 ft |
| Eaves | 262 ft |
| Hips | 188 ft |
| Rakes | 85 ft |
| Ridges | 86 ft |
| Valleys | 154 ft |
| Flash | 47 ft |
| Step | 25 ft |
| Drip Edge | 347 ft |
| Leak Barrier | 794 ft |
| Ridge Cap | 274 ft |
| Starter | 347 ft |

Notes: 1) Measurements are rounded to the nearest whole number. 2) Rakes are defined as sloped roof edges. 3) Eaves are defined as level roof edges. 4) Flashing pertains to level roof edges and excludes valleys. 5) Step flashing pertains to sloped roof edges and excludes areas around penetrations. 6) Drip edge = eaves + rakes. 7) Waste table excludes additional materials needed for ridges, hips, valleys, etc. 8) Suggested waste factor is based on the roof complexity and is provided for guidance purposes only. You should confirm the appropriate waste factor prior to ordering.