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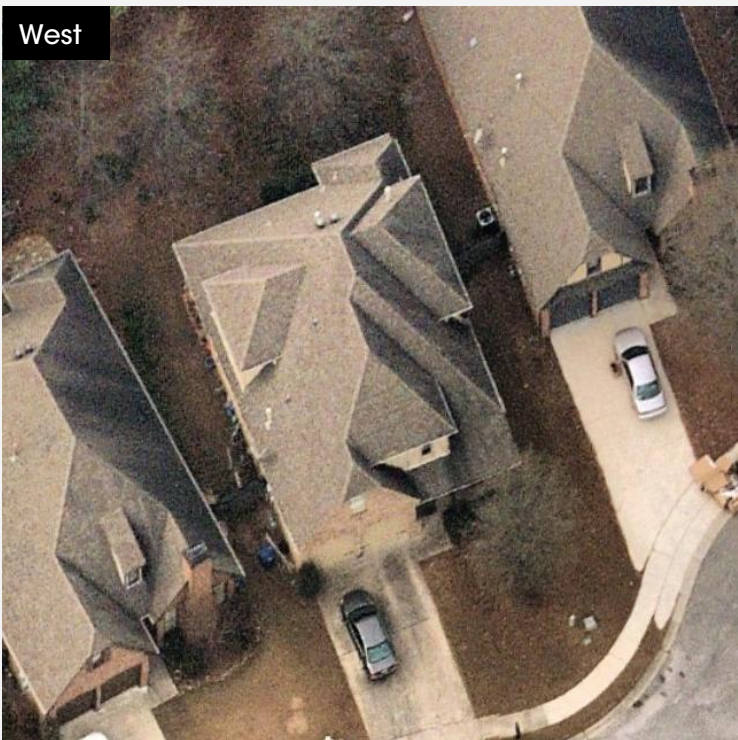
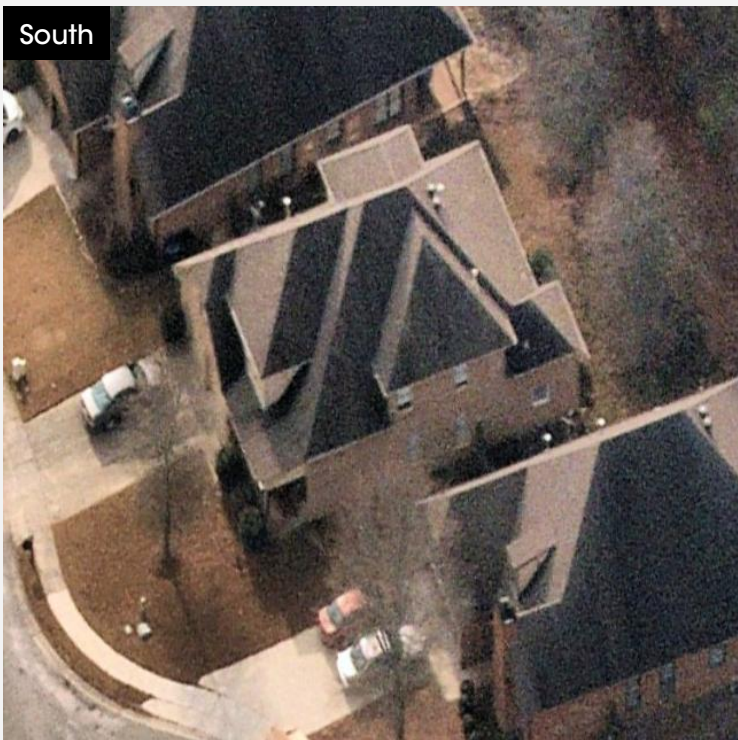
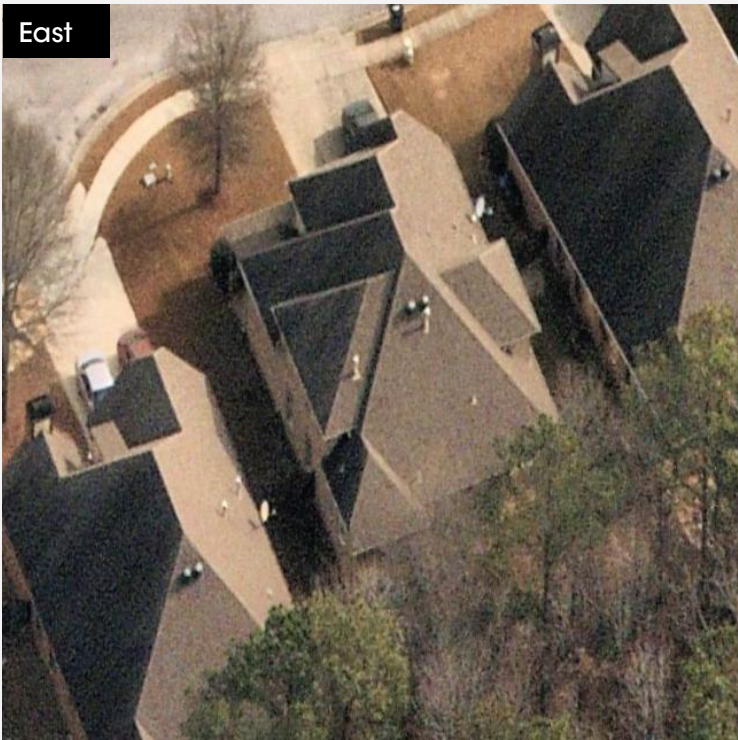
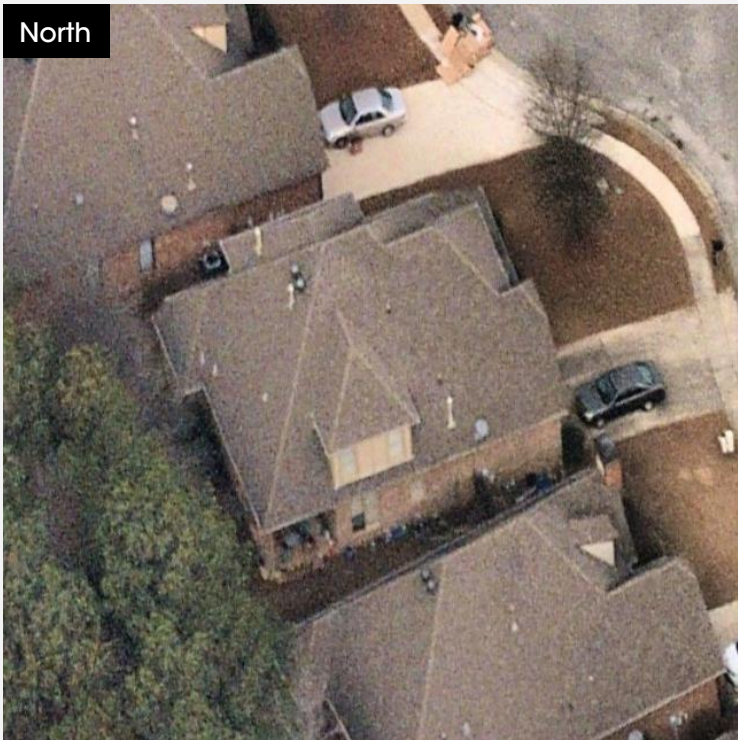
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**Measurements**

Roof Area	3,675 sq ft
Roof Facets	17
Predominant Pitch	12 / 12
Ridges/Hips	287 ft
Valleys	117 ft
Rakes	38 ft
Eaves	261 ft
Bends	12 ft

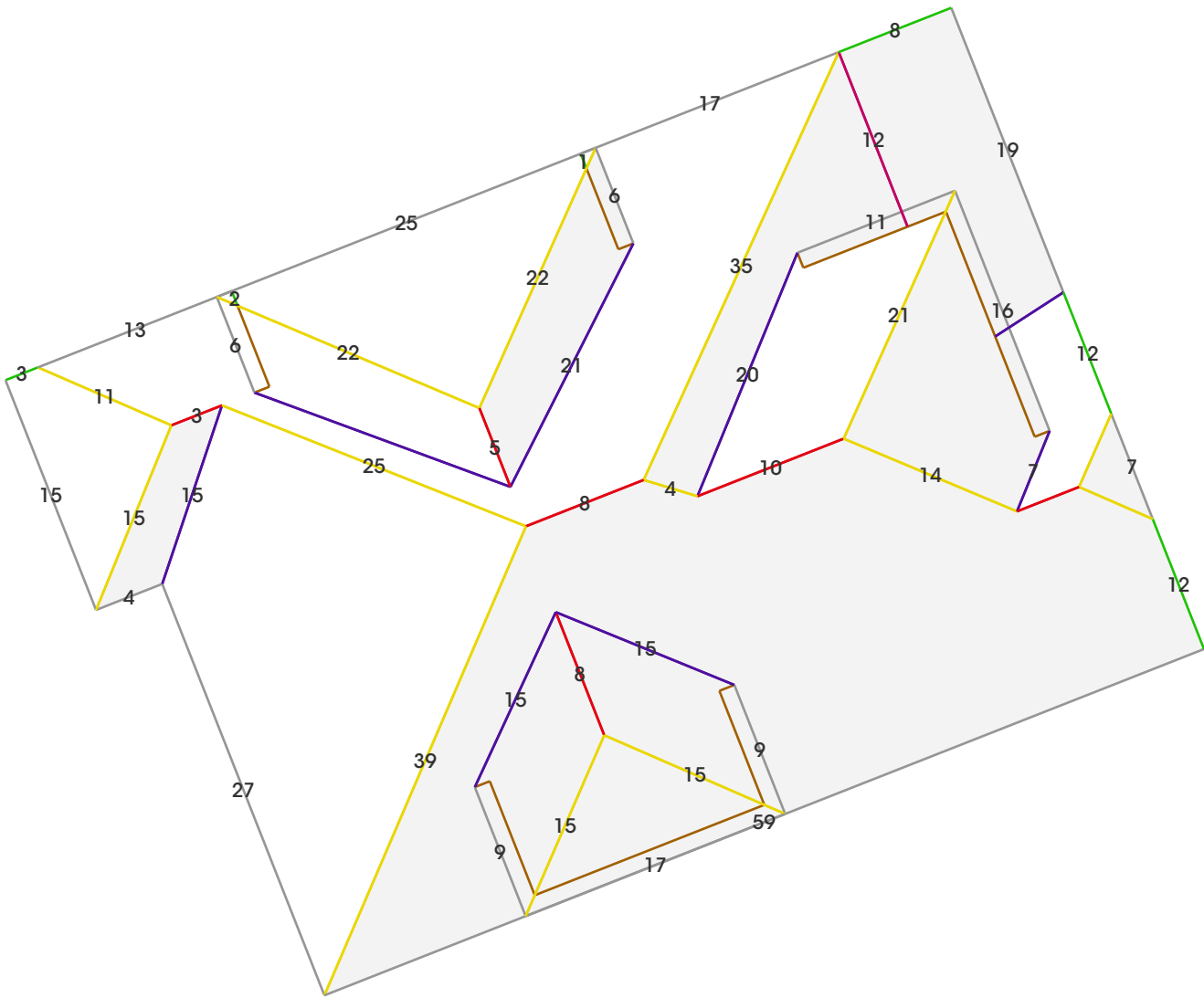






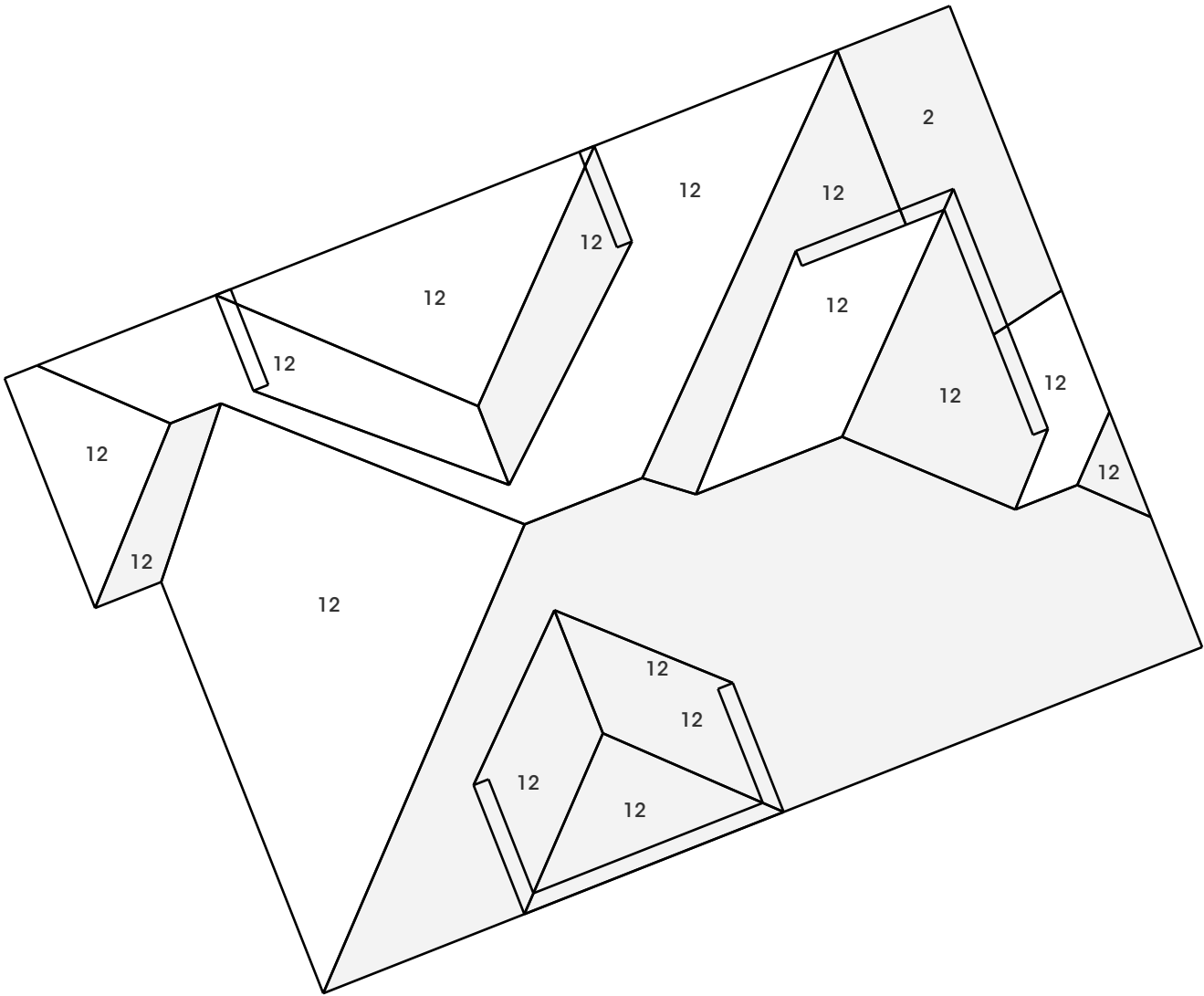


Flash	Step	Drip
30	58	299

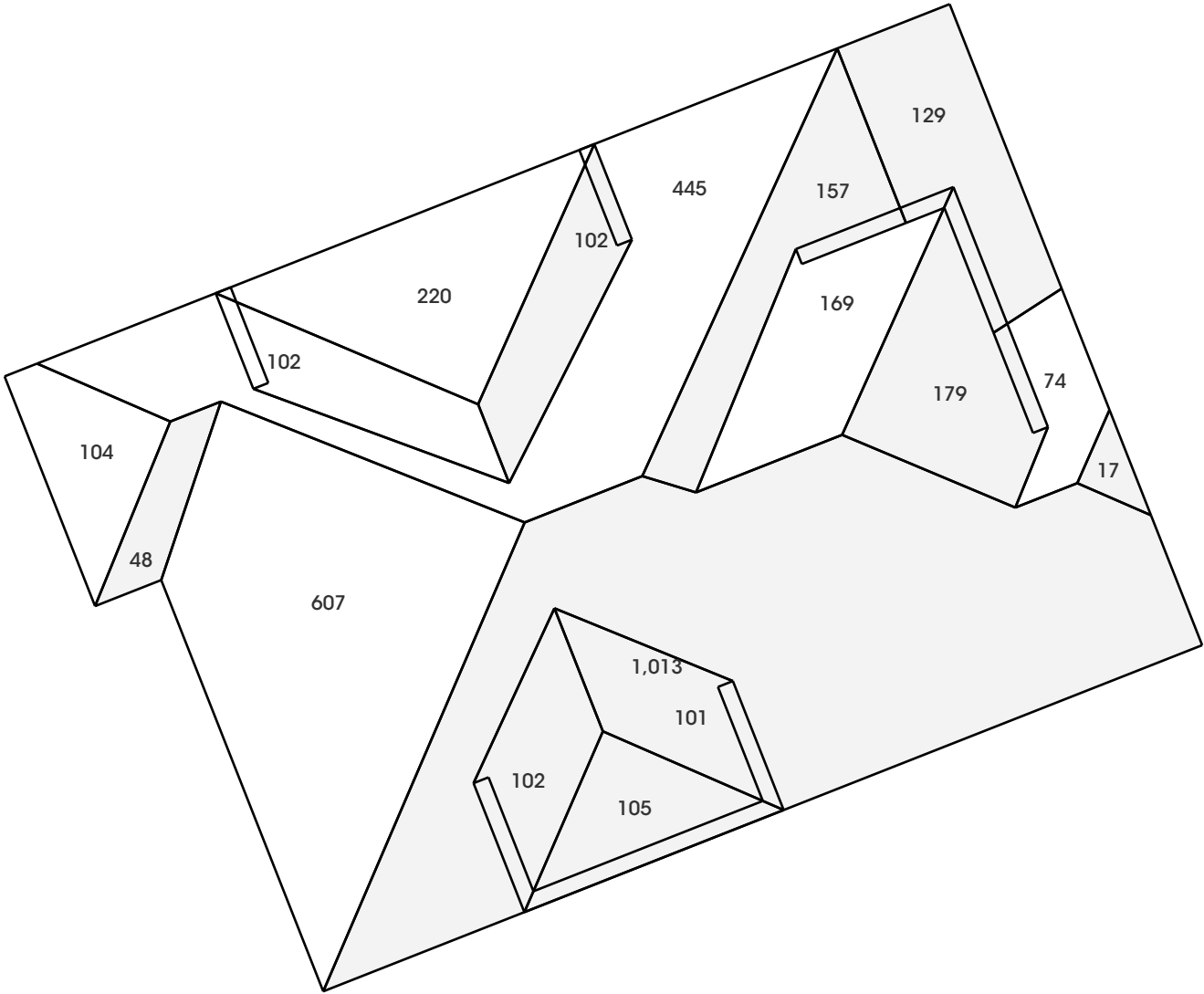


Bend	Eave	Hip	Rake	Ridge	Valley
12	261	249	38	39	117

Lengths in feet



Pitches in inches per foot



Areas in square feet

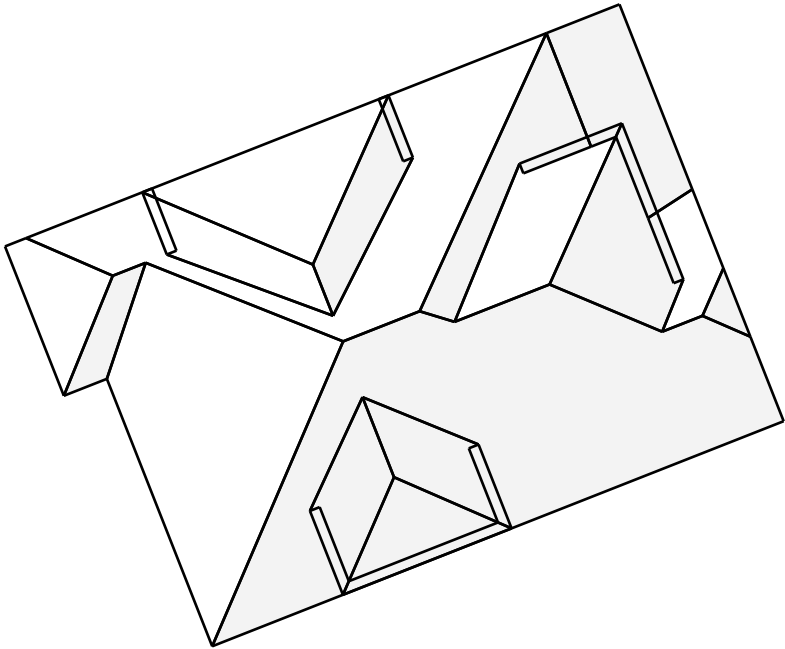




Pitch	2	12
Area	129	3,546
Percent	4%	96%

Suggested

Waste	0%	9%	12%	14%	16%	19%	24%
Area	3,675	4,005	4,115	4,189	4,262	4,373	4,556
Squares	37	41	42	42	43	44	46



Roof Area	3,675 sq ft
Roof Facets	17
Pitch	12 / 12

Bends	12 ft
Eaves	261 ft
Hips	249 ft
Rakes	38 ft
Ridges	39 ft
Valleys	117 ft

Flash	30 ft
Step	58 ft
Drip Edge	299 ft

Leak Barrier	764 ft
Ridge Cap	287 ft
Starter	299 ft

Penetrations	1
Pen. Area	266 sq ft
Pen. Perimeter	68 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.