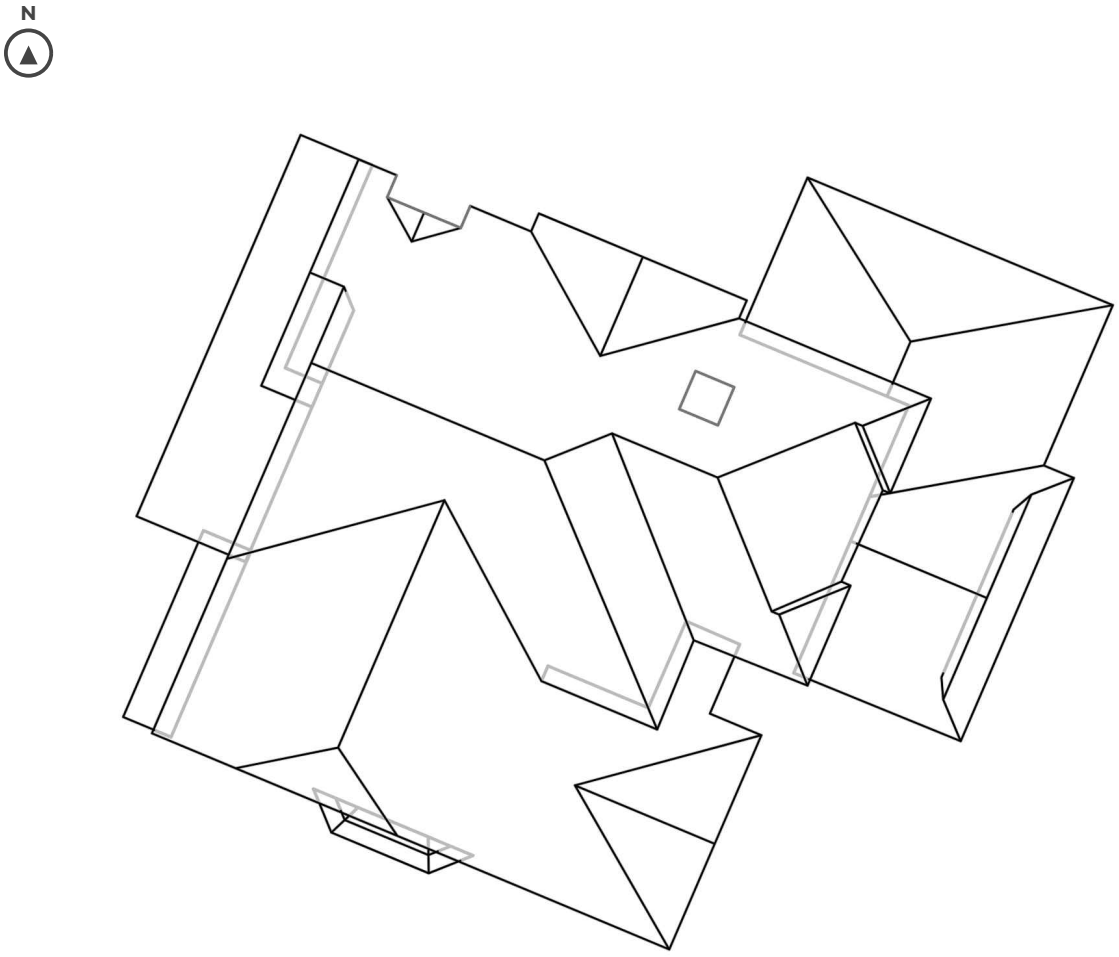
FIRST MATE

10181 Stoneridge Terrace, Parker, CO 80134, USA
6/15/2026



PROJECT SUMMARY

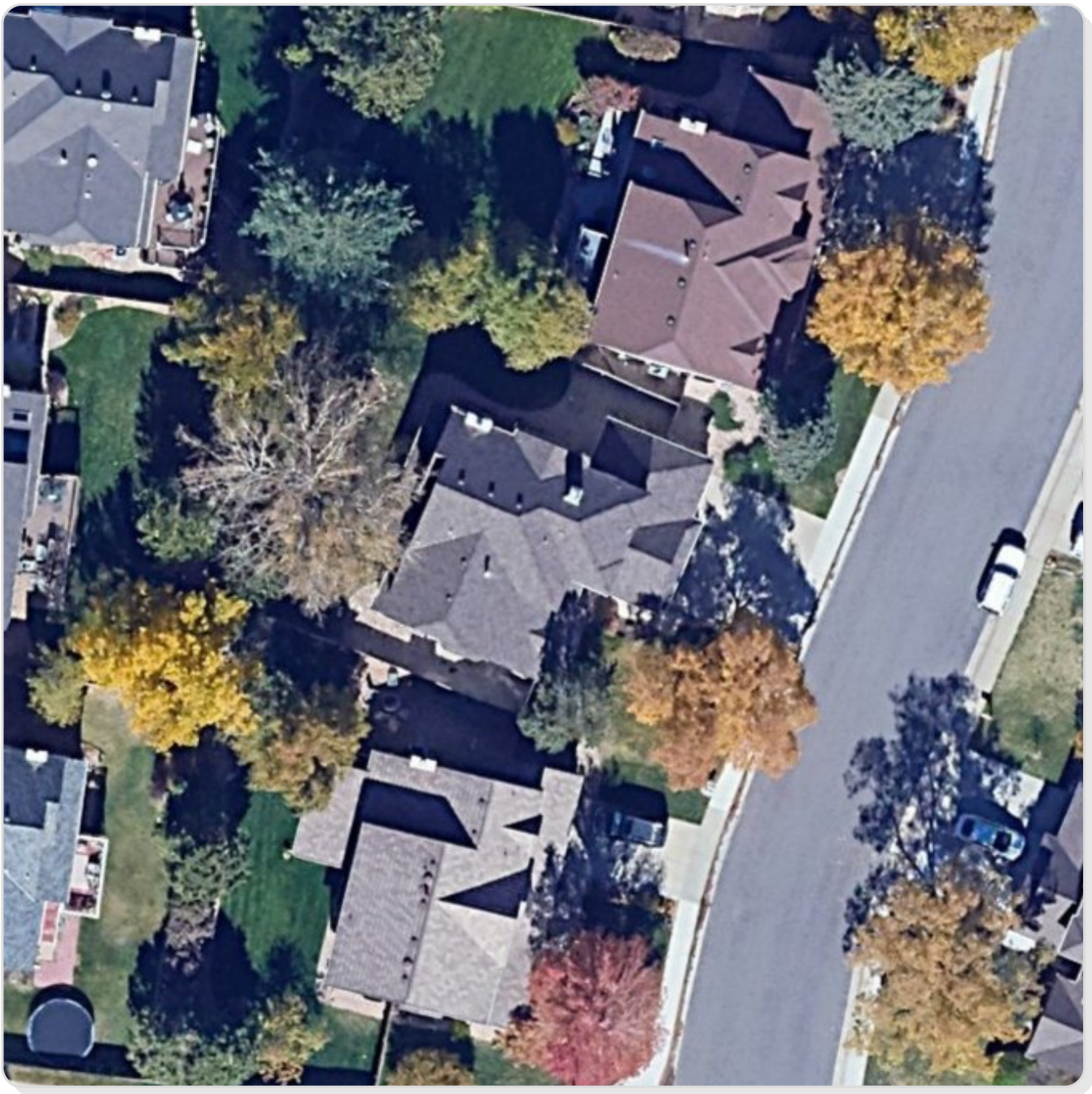
Total Facets: 33
Predominant Pitch: 8/12

Total Squares (Net): 32.33
Total Squares (19% Waste): 38.47

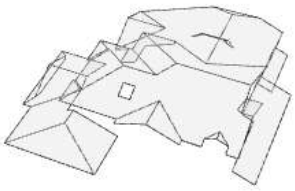
MEASUREMENT BREAKDOWN

Rake:	161'
Ridge:	86'
Hip:	139'
Eave:	255'
Sidewall Flashing:	92'
Valley:	137'
Headwall Flashing:	63'
Chimney Back Pan:	3'

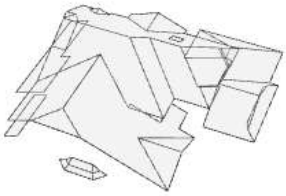
Top View



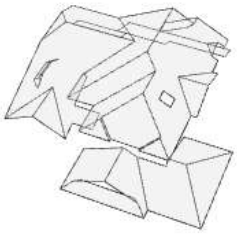
North View



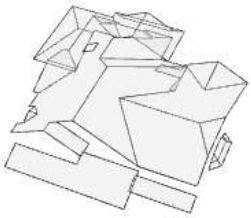
South View



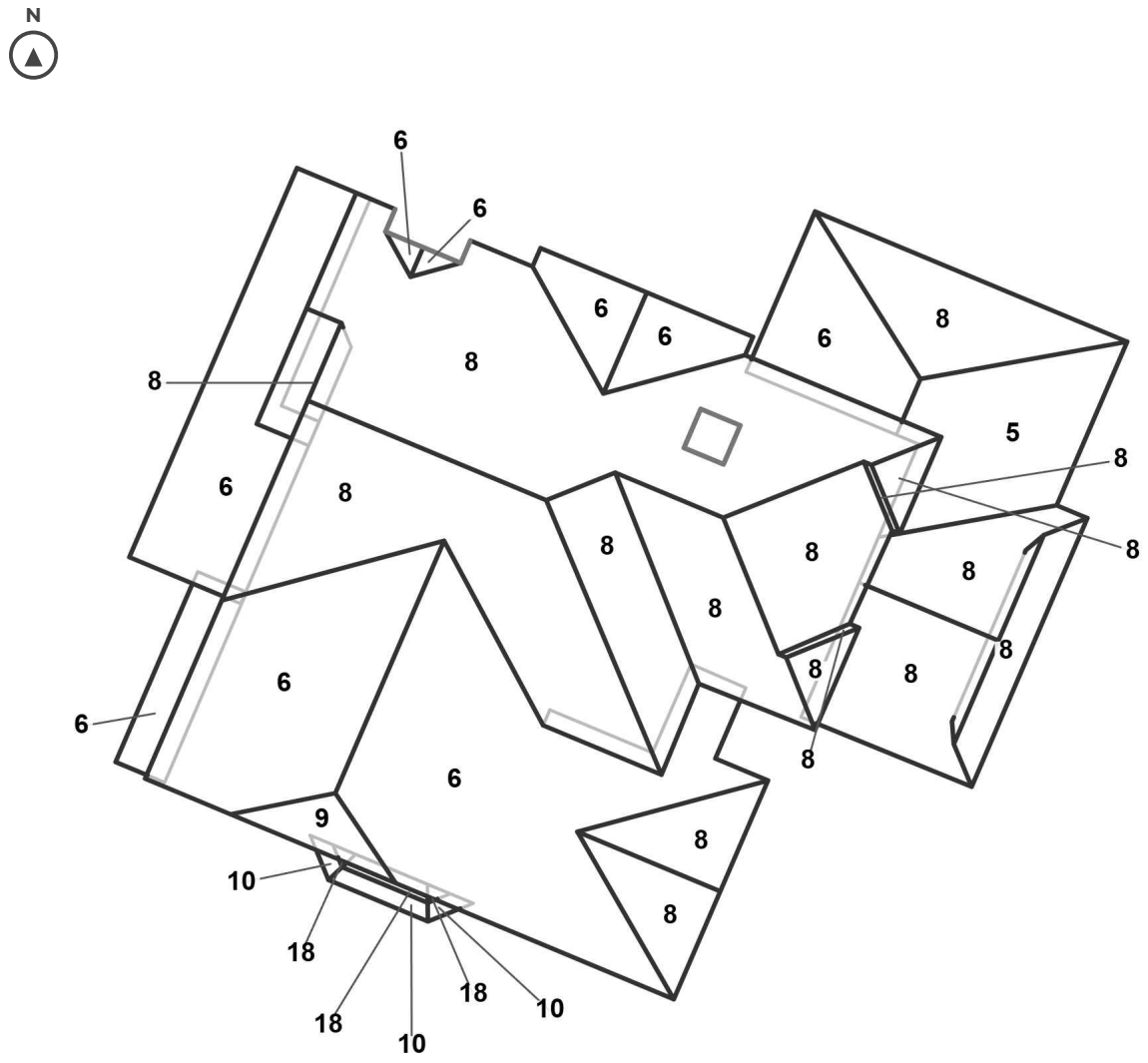
East View



West View

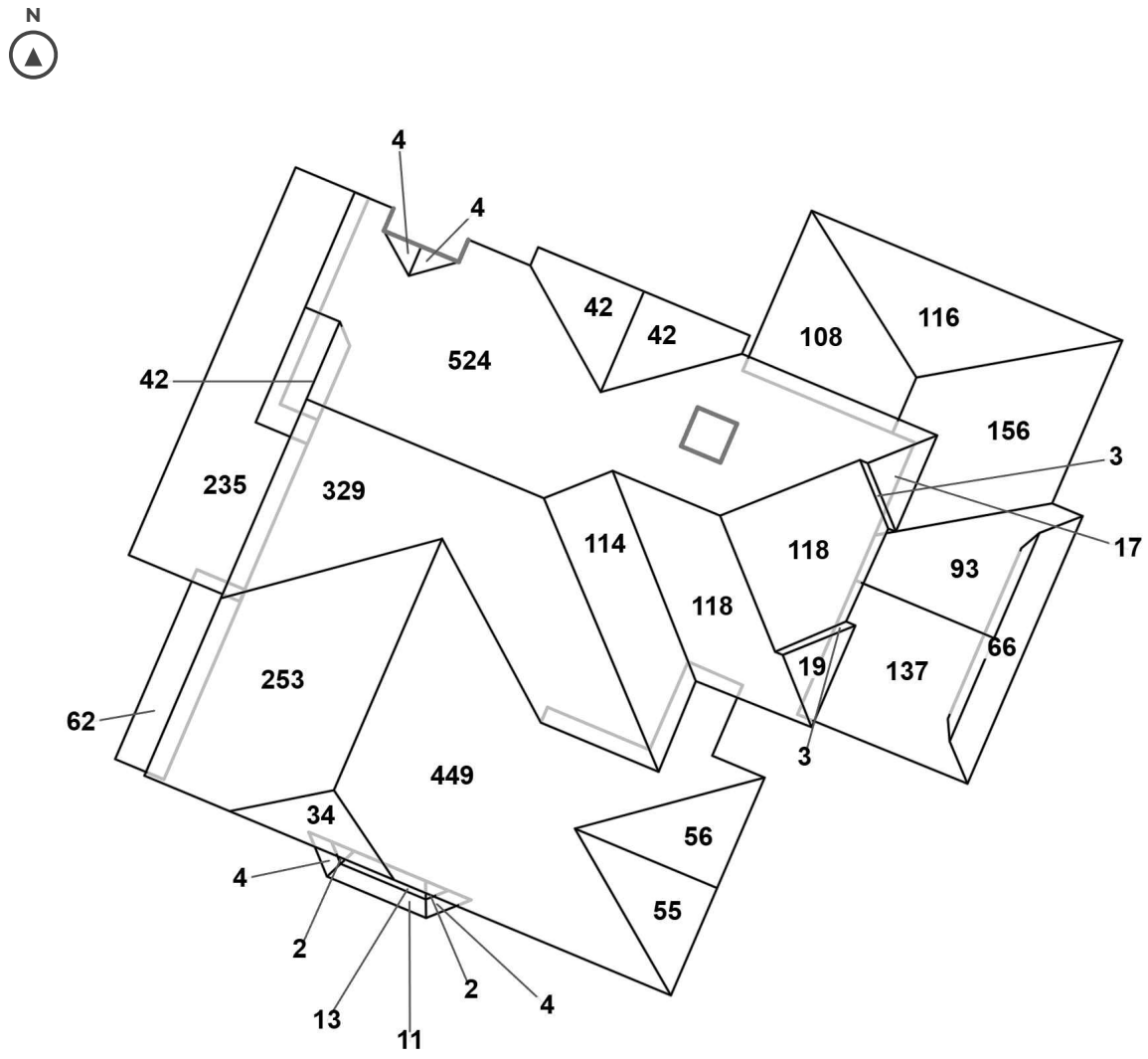


Total Facets: 33



PITCH BREAKDOWN

Pitch	Area	Percent
8/12	**18.08**	**56%**
6/12	11.99	37%
5/12	1.56	5%
9/12	0.34	1%
10/12	0.19	1%
18/12	0.17	1%



PITCH BREAKDOWN

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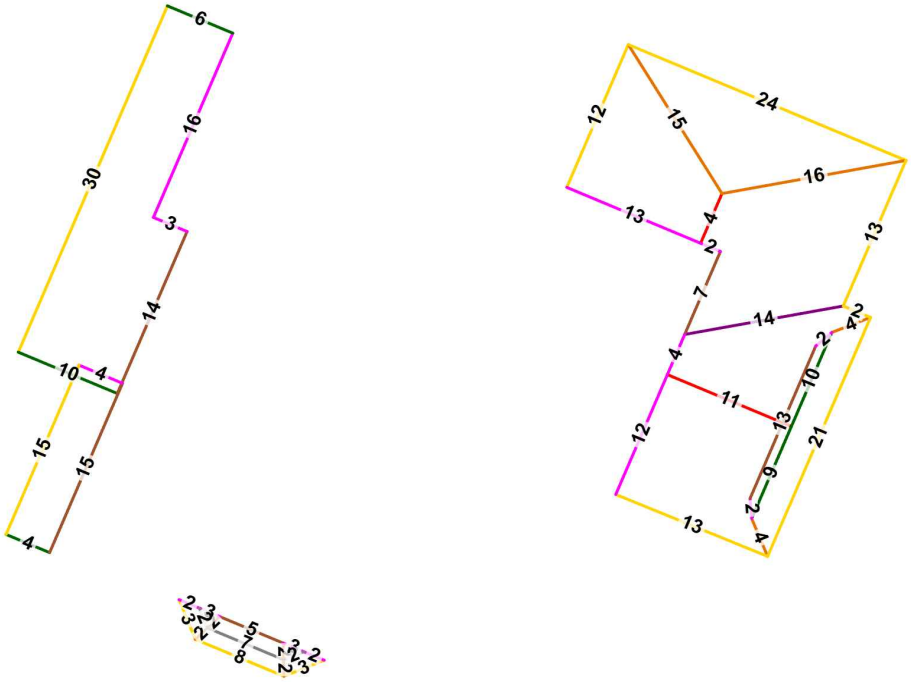


Ridge Hip Valley Rake Eave

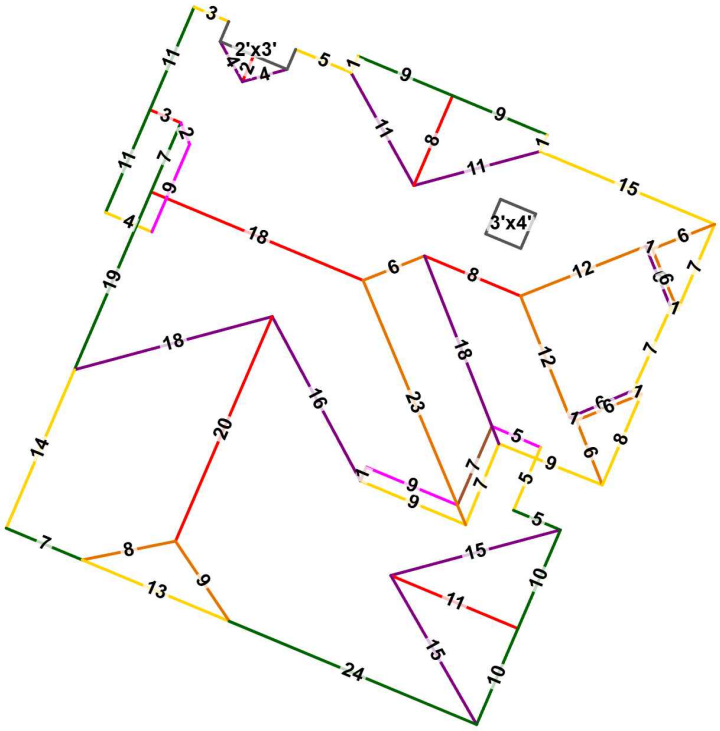
Headwall Flashing Sidewall Flashing Transition

LAYER 1 DETAILS

Facets: 14 **Squares Without Waste: 10.1** **Squares With Waste: 12**

Eave: 145' Headwall Flashing: 55' Sidewall Flashing: 67' Ridge: 15' Hip: 46'

Valley: 14' Rake: 39' Transition: 10'



Ridge Hip Valley Rake Eave

Headwall Flashing Sidewall Flashing Transition

LAYER 2 DETAILS

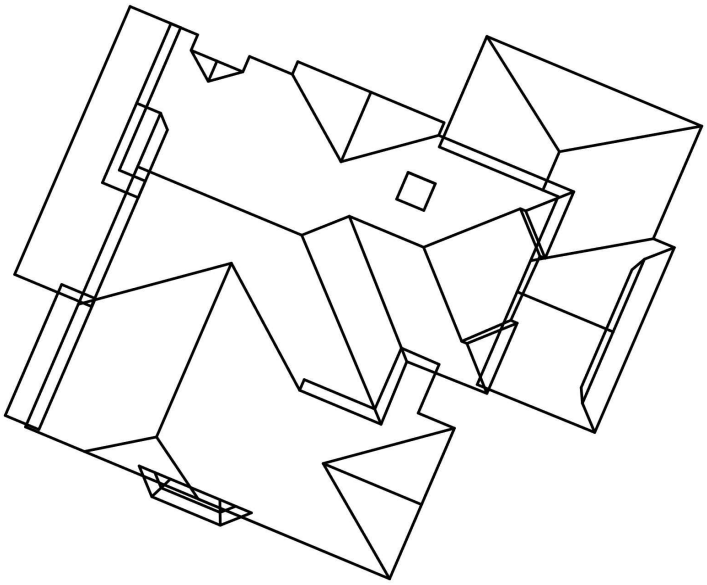
Facets: 19 **Squares Without Waste: 22.2** **Squares With Waste: 26.5**

Rake: 122' Ridge: 71' Hip: 93' Eave: 110' Sidewall Flashing: 25' Valley: 123'

Headwall Flashing: 8'

Pitch	5/12	6/12	8/12	9/12	10/12	18/12
Area (sq ft)	156	1,199	**1,808**	34	19	17
Percent	5%	37%	**56%**	1%	1%	1%

Waste	0%	14%	17%	19%	21%	24%	29%
Area (sq ft)	3,233	3,685	3,782	**3,847**	3,911	4,008	4,170
Squares	33	37	38	**39**	40	41	42



Roof Area	3233 sq ft
Facets	33
Pitch	8 / 12
Chimneys	2
Ridge	86 ft
Hip	139 ft
Valley	137 ft
Rake	161 ft
Eave	255 ft
Headwall Flashing	63 ft
Sidewall Flashing	92 ft
Transition	10 ft
Chimney Back Pan	3 ft
Chimney Step	18 ft
Chimney Apron	3 ft
Counter Flashing	24 ft

Measurements rounded. Waste guidance only. Installer to verify.

	Waste	0%	14%	19%	24%
Shingle Products					
GAF Timberline HDZ	bundle	97	111	**116**	121
OC TruDef Duration	bundle	97	111	**116**	121
CertainTeed Landmark	bundle	97	111	**116**	121
Malarkey Vista AR	bundle	130	149	**155**	162
Starter Strip					
GAF Pro-Start	bundle	4	5	**5**	5
OC Starter Strip	bundle	4	5	**5**	5
CertainTeed SwiftStart	bundle	5	6	**6**	7
Malarkey Starter Strip	bundle	5	6	**6**	7
Hip & Ridge Cap					
GAF Seal-A-Ridge	bundle	10	12	**12**	13
OC ProEdge	bundle	7	8	**9**	9
CertainTeed Shadow Ridge	bundle	8	10	**10**	10
Malarkey EZ-Ridge	bundle	10	12	**12**	13
Synthetic Underlayment					
GAF FeltBuster	roll	4	5	**5**	5
OC ProArmor	roll	4	5	**5**	5
CertainTeed RoofRunner	roll	4	5	**5**	5
Malarkey Secure Start Plus	roll	4	5	**5**	5
Ice & Water Shield					
36” perimeter application (2037 sq ft)					
GAF WeatherWatch	roll	11	13	**14**	14
OC WeatherLock Flex	roll	10	12	**12**	13
CertainTeed WinterGuard	roll	11	13	**14**	14
Malarkey Secure Start I&W	roll	11	13	**14**	14
18” perimeter application (1413 sq ft)					
GAF WeatherWatch	roll	8	10	**10**	10
OC WeatherLock Flex	roll	7	8	**9**	9
CertainTeed WinterGuard	roll	8	10	**10**	10
Malarkey Secure Start I&W	roll	8	10	**10**	10

	Waste	0%	14%	19%	24%
Metals & Flashing					
Eave Drip Edge (10 ft)	piece	26	30	**31**	33
Rake Drip Edge (10 ft)	piece	17	20	**21**	22
Valley Metal W (10 ft)	piece	14	16	**17**	18
Step Flashing (5x7)	piece	257	293	**306**	319
Counter Flashing (10 ft)	piece	12	14	**15**	15
Headwall Flashing (10 ft)	piece	8	10	**10**	10
Chimney Apron (front)	ea	2	3	**3**	3
Chimney Back Pan / Cricket	ea	2	3	**3**	3
Chimney Step Flashing	piece	39	45	**47**	49
Chimney Counter Flash (10 ft)	piece	3	4	**4**	4
Ventilation					
Ridge Vent (4 ft sections)	piece	22	26	**27**	28
Accessories					
Coil Nails (1.25 in, 50 lb)	box	2	3	**3**	3
Plastic Cap Nails	box	1	2	**2**	2
Roofing Caulk (Tube)	tube	2	3	**3**	3

VENTILATION SUMMARY

Estimated Attic Area

2,716 sq ft

Footprint: 2,772 sq ft | Surface: 3,233 sq ft

Recommended Exhaust
1304 sq in

Recommended Intake
1304 sq in

NFVA Requirement

1/300	1/150
NFVA: 1304 sq in Exhaust: 652 sq in Intake: 652 sq in	NFVA: 2608 sq in Exhaust: 1304 sq in Intake: 1304 sq in **Recommended**

Exhaust Options

Ridge Vent	Box Vents
Needed: 72' (@ 18"/lf) Available: 75' Capacity sufficient **Recommended**	Needed: 27 vents 50 sq in NFA each Total: 1350 sq in

RECOMMENDED INTAKE PRODUCTS

Product	Rating	Qty Needed
Vented Drip Edge	9 sq in/ft	**145 ft**
Soffit Vent	9 sq in/ft	**145 ft**
Bird Blocks	~3.5 sq in	**373 ea**

Key

Ridge Vent

Box Vent



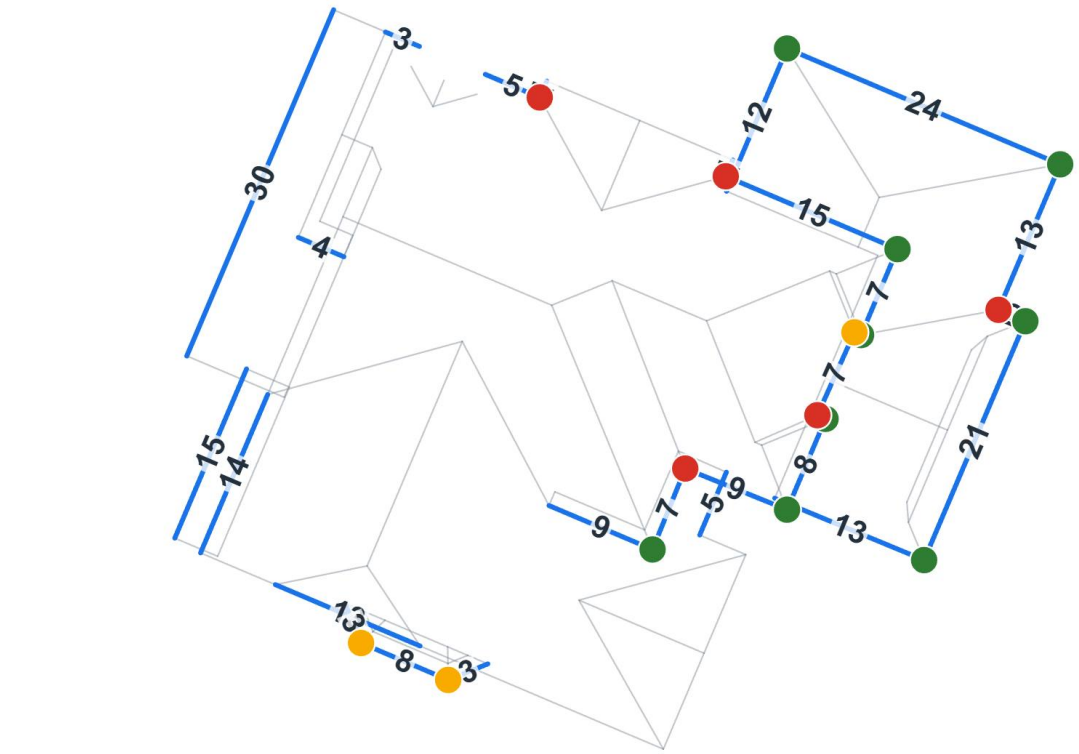
Note: The estimated quantity of attic ventilation products in this report is based on the estimated attic floor area and is meant for estimating purposes only. It is the responsibility of the installer to verify the correct quantity and type of attic ventilation products prior to commencement of work. Installer must always review job-specific attic ventilation needs such as local code requirements, attic floor square footage, roof design, and conditioned spaces under the roof. GAF recommends a minimum of 1 square foot of attic ventilation (evenly split between intake and exhaust) for every 150–300 square feet of attic floor space depending on vapor barrier status. The amount of exhaust ventilation at or near the ridge must never exceed the amount of intake ventilation at or near the soffit. See gaf.com/ventcalculator for details.

ACTIVE GUTTER	DOWNSPOUTS	MITER COUNTS		
		Outside 90	Inside 90	Non-90
255 ft	10	9	5	3

GUTTER DIAGRAM

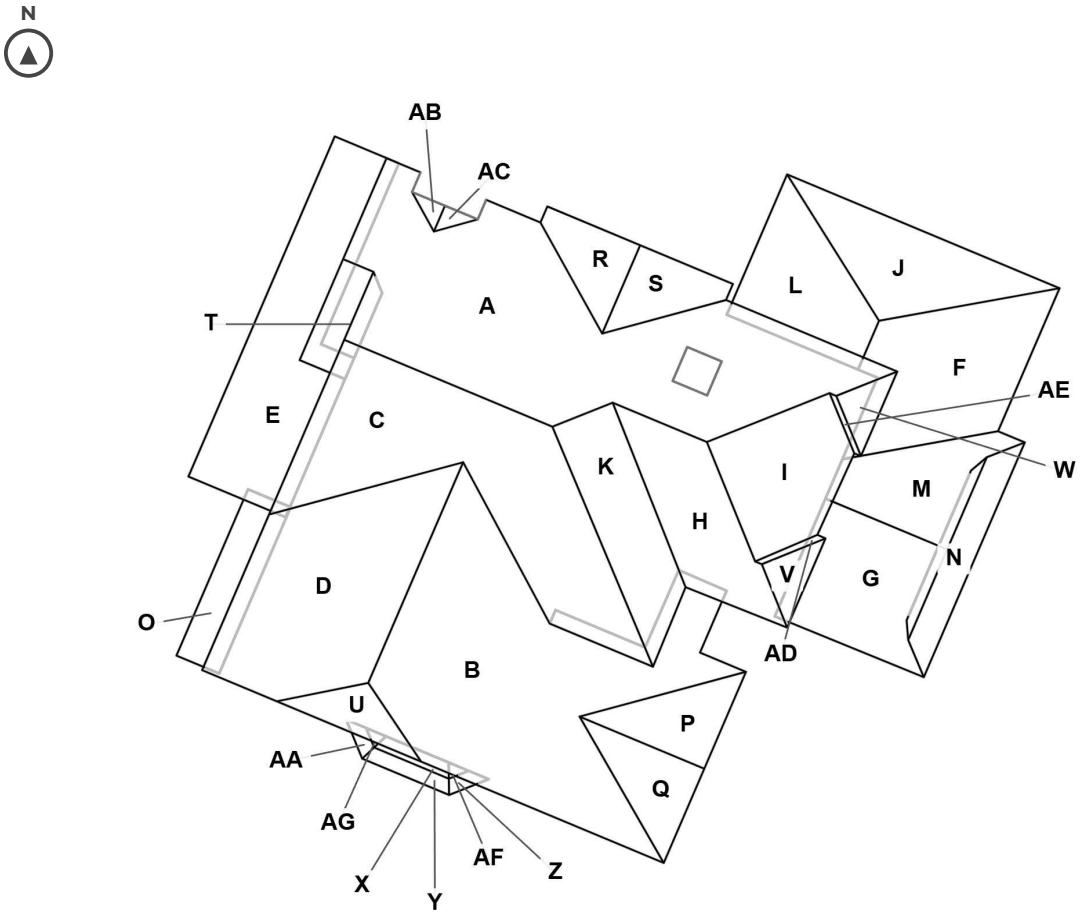
Run · Out 90 · In 90 · Non-90

N



STORIES BY DIRECTION

North	South	East	West
2	2	2	2



38.47 sq · 8/12 · 33 facets

NOTES