PROPERTY

100 Sample Street

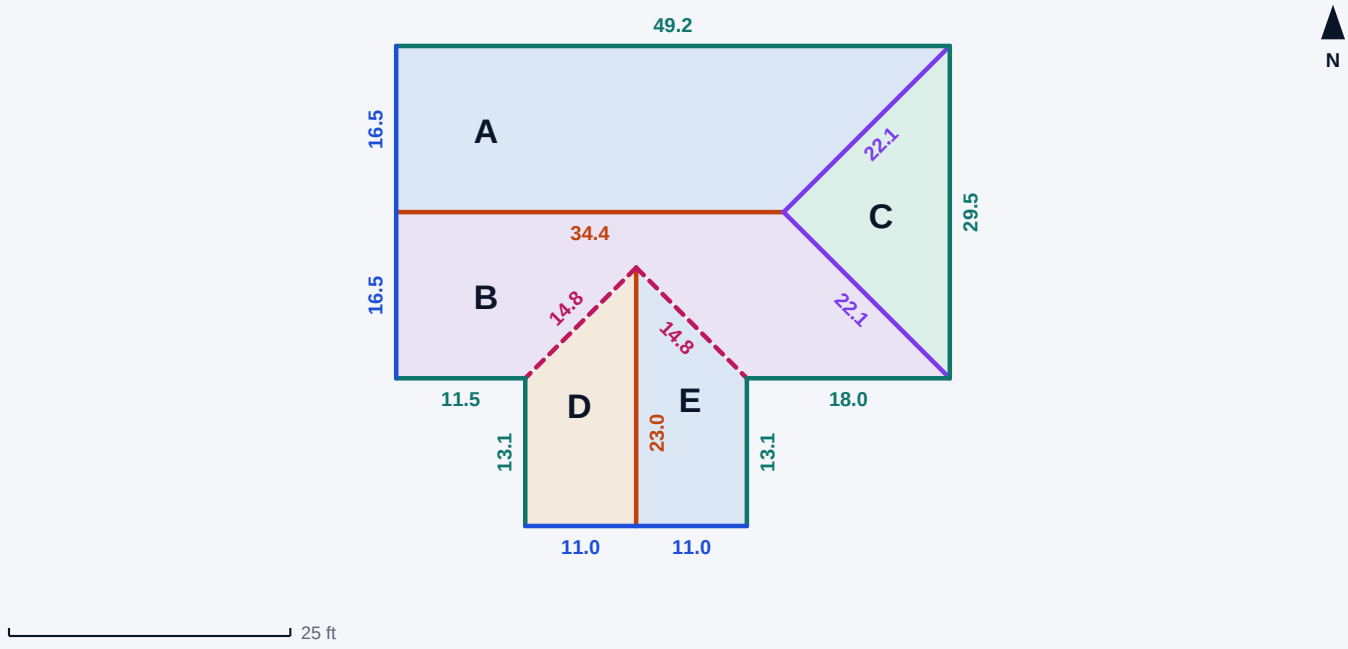
Anytown, OH 00000

Report	**ZR-SAMPLE-0001**
Generated	**Nov 12, 2026**
Elevation data	**Jun 2025 · High**
Prepared for	**Sample Roofing Co.**

Sample report. The building and address are made up to show what a report looks like.

ROOF AREA	SQUARES	MAIN PITCH	ORDER WITH 15% WASTE
1,914 sq ft	**19.1**	**6/12**	**22.0** sq
177.8 sq m	measured, no waste	26.6° · 100% of roof	67 bundles · 3 per square

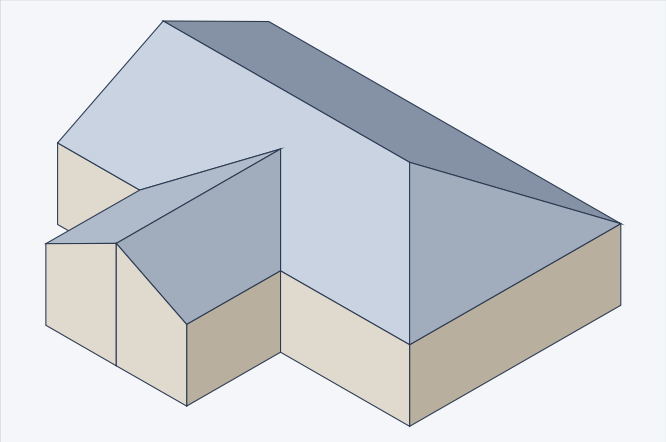
ROOF PLAN



Ridge Hip Valley Eave Rake

North is up. Lengths in feet.

3D VIEW (ILLUSTRATION)

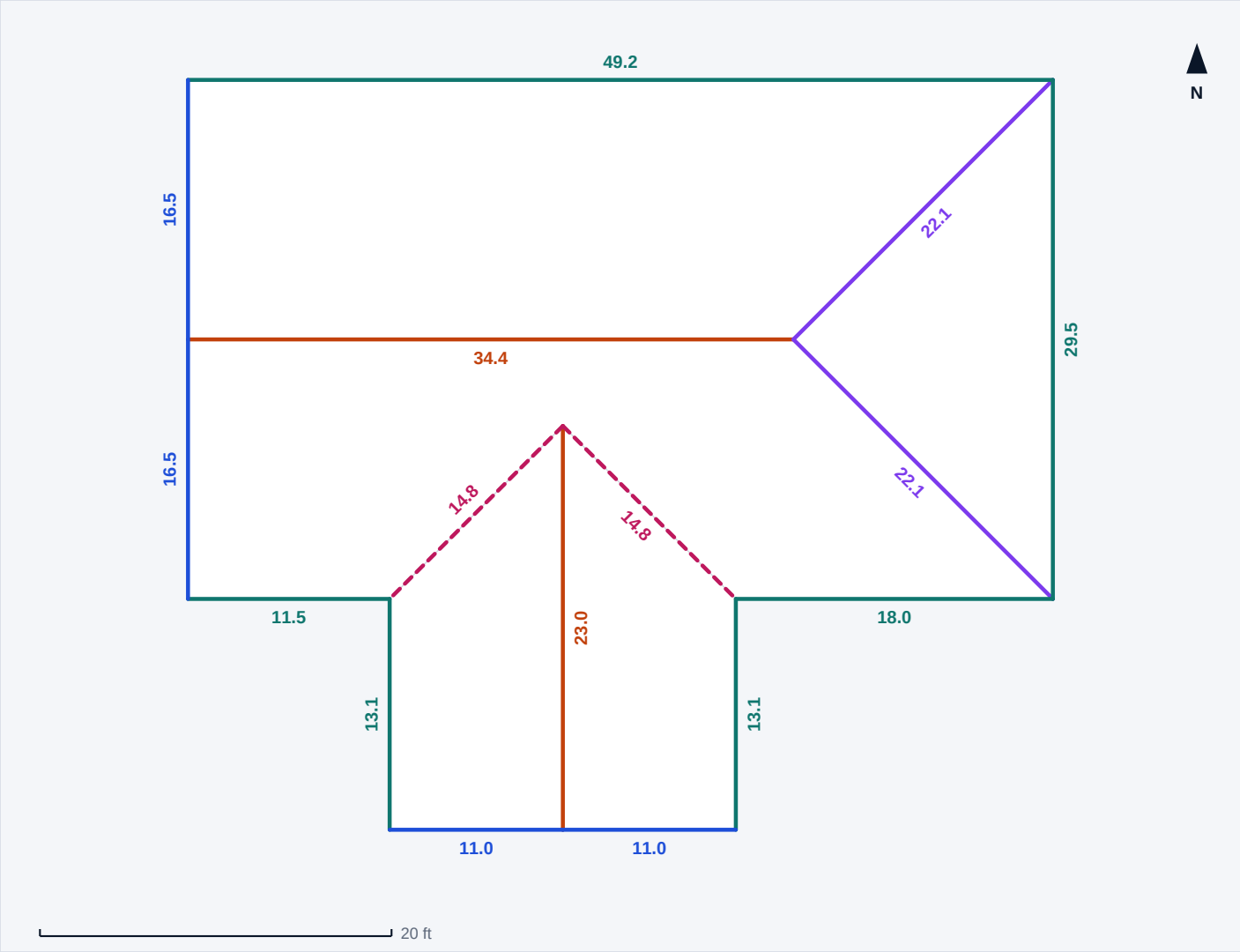


Seen from the south-east. Shape only, not for measuring.

A hip-and-gable roof with 5 facets, all at 6/12, with 2 valleys.

Facets	**5**
Footprint under roof	**1,711 sq ft**
Complexity	**Moderate**
Steep, over 8/12	**None**
Low slope, under 3/12	**None**
Recommended waste	**15%**

Length diagram



Ridge Hip Valley Eave Rake

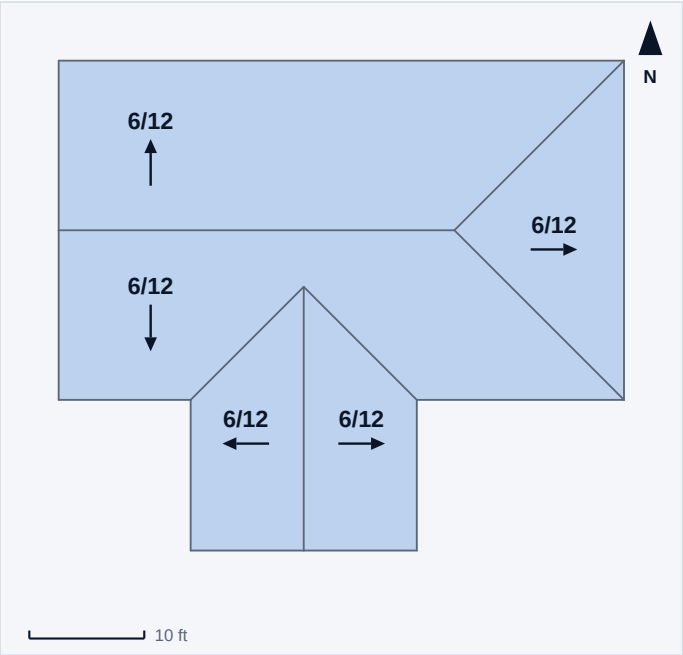
North is up. Lengths in feet.

Line lengths

RIDGES	HIPS	VALLEYS	EAVES	RAKES
57.4 ft	**44.2 ft**	**29.6 ft**	**134.4 ft**	**55.0 ft**

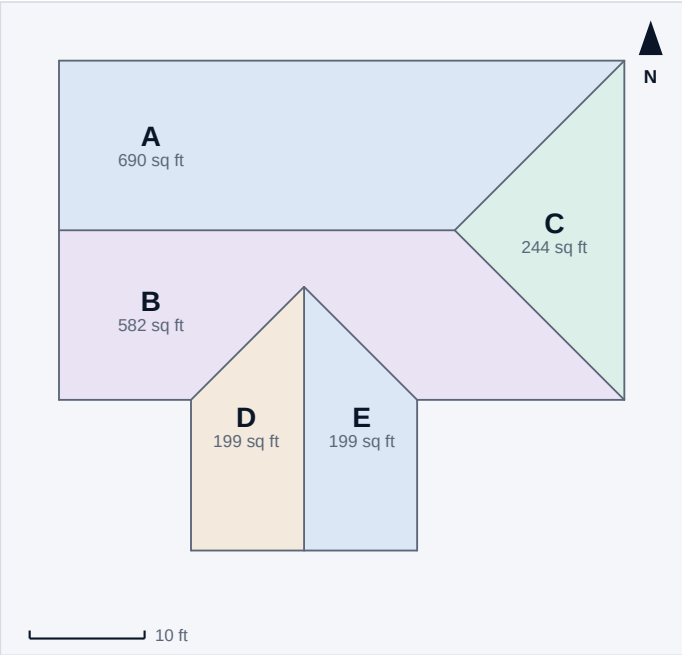
Hip and ridge cap (ridges + hips)	**101.6 ft**
Drip edge (eaves + rakes)	**189.4 ft**
Starter (eaves + rakes)	**189.4 ft**
Step flashing	**0.0 ft**
Headwall flashing	**0.0 ft**

Pitch diagram



6-8/12 Arrows point downslope.

Area diagram



Total **1,914 sq ft**

Facets

FACET	AREA	SQUARES	PITCH	FACES
A	690 sq ft	6.90	6/12	North
B	582 sq ft	5.82	6/12	South
C	244 sq ft	2.44	6/12	East
D	199 sq ft	1.99	6/12	West
E	199 sq ft	1.99	6/12	East
Total	**1,914 sq ft**	**19.14**		

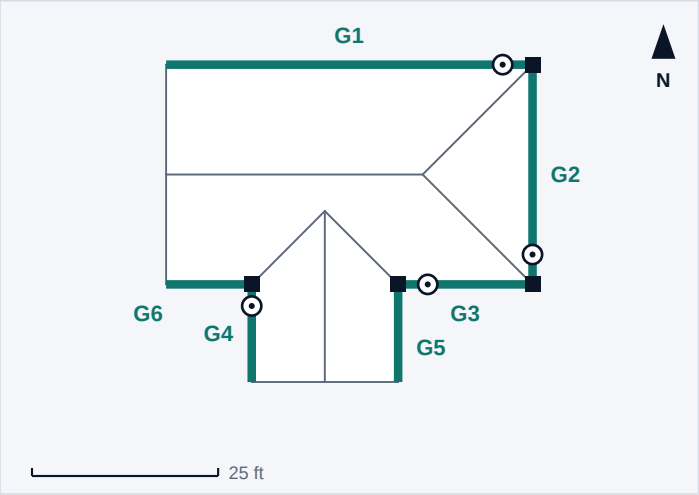
Area by pitch

PITCH	AREA	SHARE OF ROOF
6/12	1,914 sq ft	100%

Gutters

GUTTER LENGTH	DOWNSPOUTS	OUTSIDE CORNERS	INSIDE CORNERS	END CAPS
134.4 ft	**4**	**2**	**2**	**4**

GUTTER PLAN



KEY

- Gutter run
- Corner
- Downspout, suggested position

CHECK ON SITE

- Valleys discharge at G4/G6, G3/G5: put a downspout or splash guard there.

Rules of thumb: 1 downspout per 40 ft of connected gutter or 600 sq ft of roof · hangers every 24 in · 10% gutter waste. Eave heights are estimates. Size for local rainfall and code.

Gutter runs

RUN	SIDE	LENGTH	DRAINS	PLAN AREA	EAVE HEIGHT	DOWNSPOUTS
G1	North	49.2 ft	A	618 sq ft	about 10 ft · 1 storey	1
G2	East	29.5 ft	C	218 sq ft	about 10 ft · 1 storey	1
G3	South	18.0 ft	B	318 sq ft	about 10 ft · 1 storey	1
G4	West	13.1 ft	D	178 sq ft	about 10 ft · 1 storey	1
G5	East	13.1 ft	E	178 sq ft	about 10 ft · 1 storey	via G3
G6	South	11.5 ft	B	203 sq ft	about 10 ft · 1 storey	via G4
Total		**134.4 ft**		**1,713 sq ft**		**4**

Gutter materials

ITEM	BASED ON	ORDER
Gutter	134.4 ft + 10% · 10 ft pieces	**15 pieces**
Downspout	4 downspouts · about 40 ft in all (estimate) · 10 ft pieces	**4 pieces**
Elbows	4 downspouts · 3 each	**12 elbows**
Downspout bands	4 pieces of downspout · 2 each	**8 bands**
Outlets	One per downspout	**4 outlets**
End caps	Run ends that do not turn a corner	**4 caps**
Outside mitres	Outside corners between runs	**2 mitres**
Inside mitres	Inside corners between runs	**2 mitres**
Hangers	134.4 ft · one every 24 in, plus one per run	**75 hangers**

Waste table

WASTE	AREA	SQUARES	BUNDLES
0%	1,914 sq ft	19.1	58
5%	2,010 sq ft	20.1	61
10%	2,105 sq ft	21.1	64
12%	2,144 sq ft	21.4	65
15% Recommended	**2,201 sq ft**	**22.0**	**67**
18%	2,259 sq ft	22.6	68
20%	2,297 sq ft	23.0	69

Valleys: allow 15%.

Material order at 15% waste

ITEM	BASED ON	ORDER
Shingles	22.0 sq with 15% waste · 3 bundles per sq	**67 bundles**
Underlayment	22.0 sq with 15% waste · 10 sq rolls	**3 rolls**
Ice and water shield	164.0 ft eaves + valleys · 66 ft rolls	**3 rolls**
Starter strip	189.4 ft eaves + rakes · 100 ft per bundle	**2 bundles**
Hip and ridge cap	101.6 ft ridges + hips · 25 ft per bundle	**5 bundles**
Drip edge	189.4 ft eaves + rakes · 10 ft pieces	**19 pieces**
Valley metal	29.6 ft valleys · 10 ft pieces	**3 pieces**

Rates: shingles 3 bundles/sq · underlayment 10 sq/roll · ice & water 66 ft/roll · starter 100 ft/bundle · cap 25 ft/bundle · drip edge 10 ft. Waste applies to shingles and underlayment.

Sources

Elevation data	sample · Sample data, not a real survey
Captured	Jun 2025
Resolution	lidar point cloud, 0.38 points per sq ft
Building outline	Sample building outline
Confidence	High · 93%

Measured from aerial lidar elevation data, not a site visit. Verify measurements on site before ordering. Material quantities use the rates shown and are rounded up; adjust them to your products and local code.
Data sources: Sample data. Real reports credit USGS 3DEP or Natural Resources Canada and the building outline source.