

# Roof Report

Prepared by Roofr

1710 East Kael Street, Mesa, AZ 85203

8148 sqft

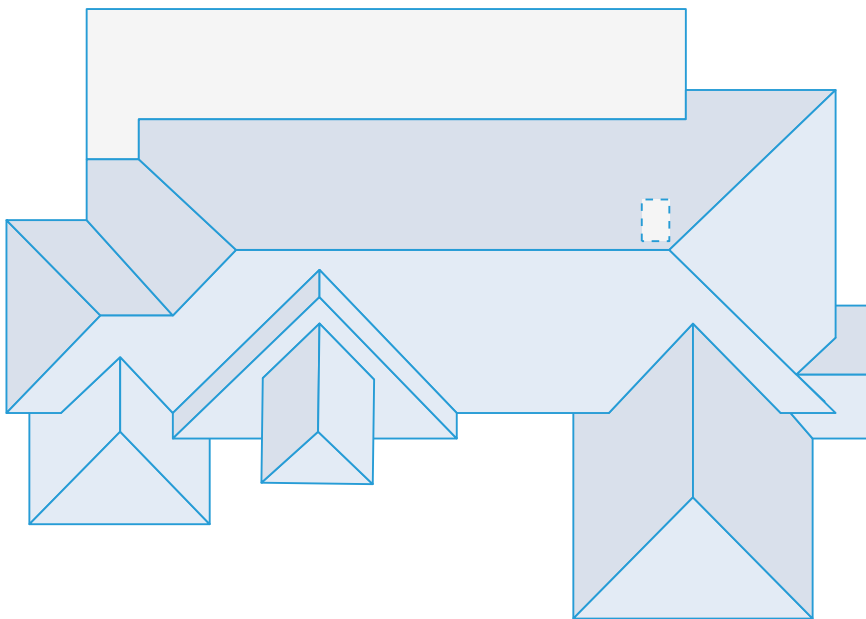
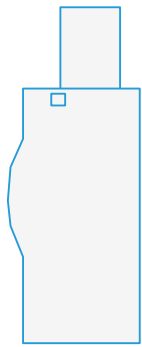
29 facets

Predominant pitch 5/12



# Diagram

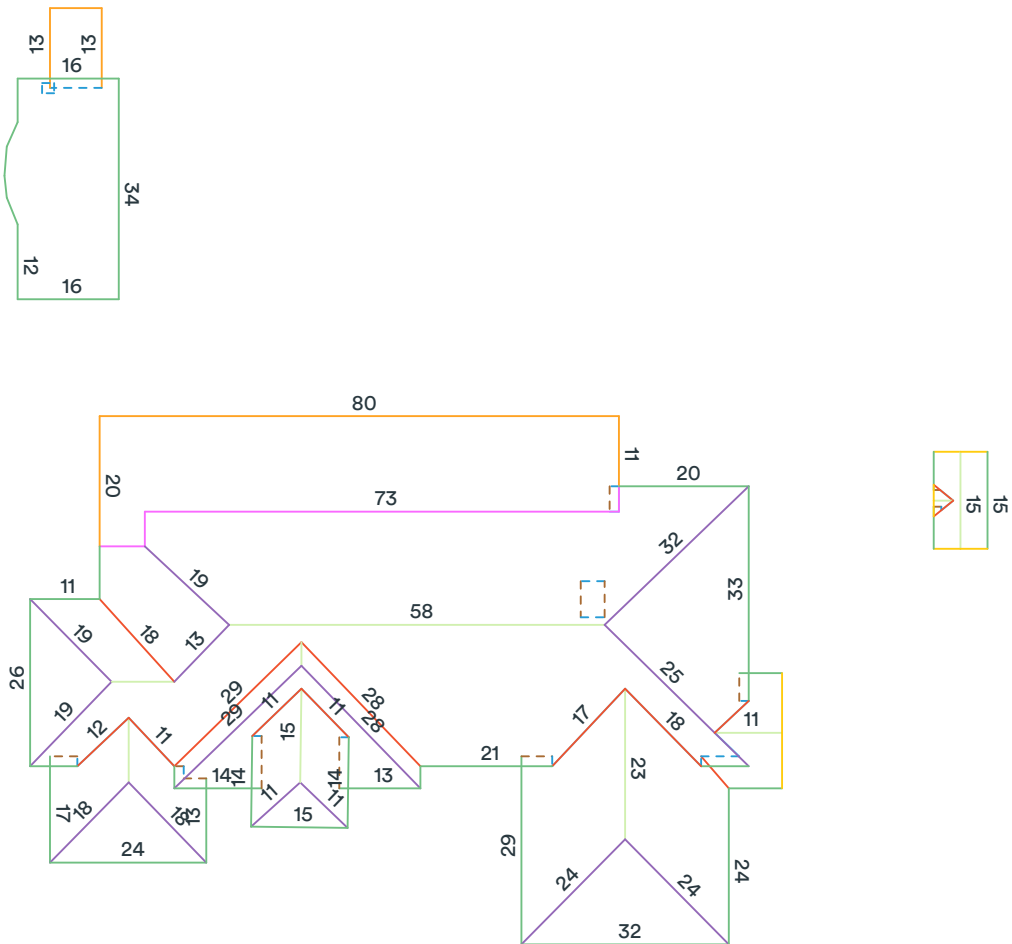
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# Length measurement report

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- Eaves: 483ft 0in
- Valleys: 173ft 3in
- Hips: 290ft 8in
- Ridges: 145ft 6in
- Rakes: 42ft 2in
- Wall flashing: 40ft 5in
- Step flashing: 53ft 9in
- Transitions: 88ft 3in
- Parapet wall: 141ft 10in
- Unspecified: 96ft 10in



Measurements in diagram are rounded up for display. Some edge lengths may be hidden from diagram to avoid overcrowding.

# Area measurement report

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Total roof area: 8148 sqft

Pitched roof area: 6321 sqft

Flat roof area: 1826 sqft

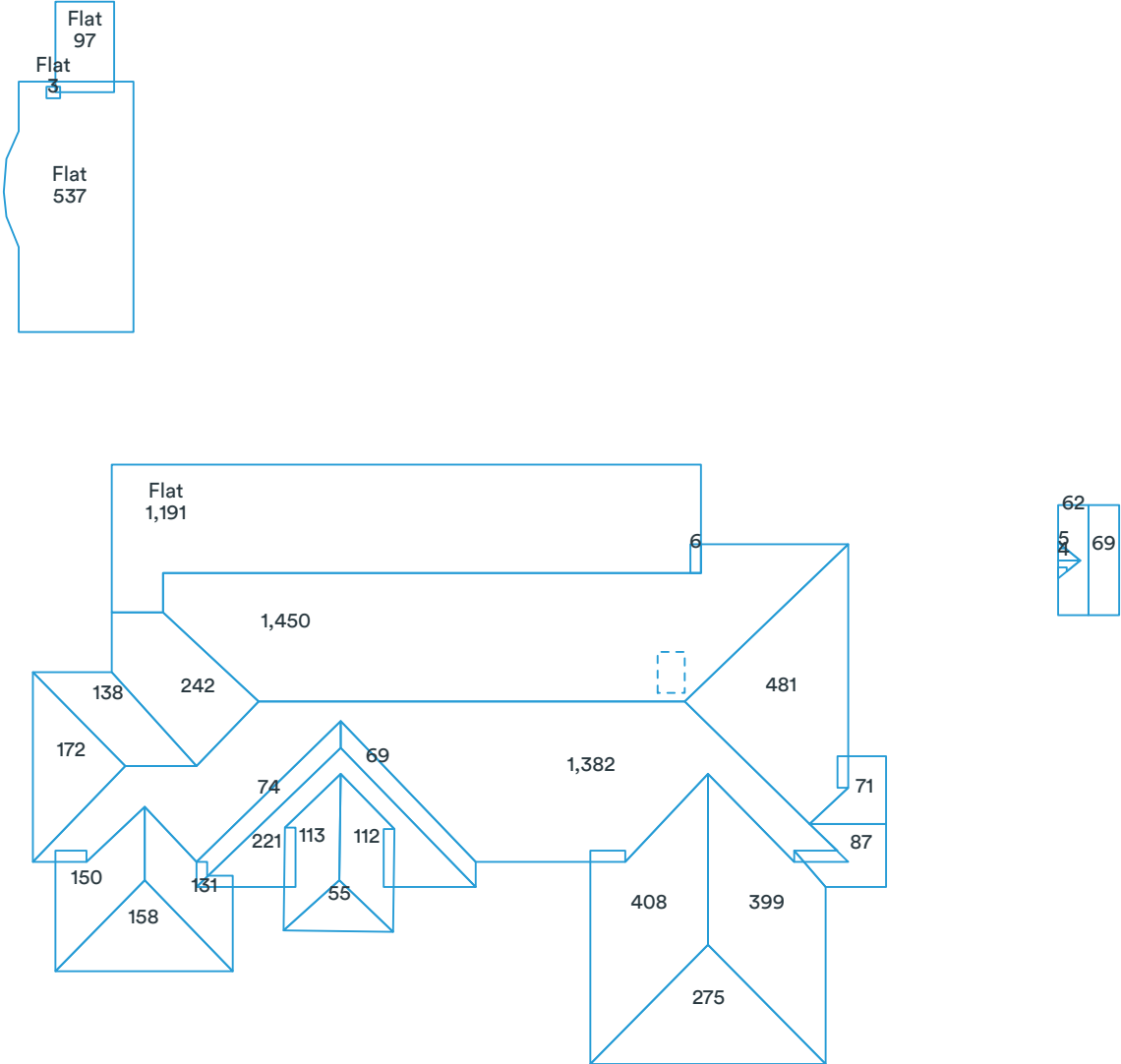
Two story area: 0 sqft

Two layer area: 0 sqft

Predominant pitch: 5/12

Predominant pitch area: 6184 sqft

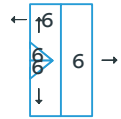
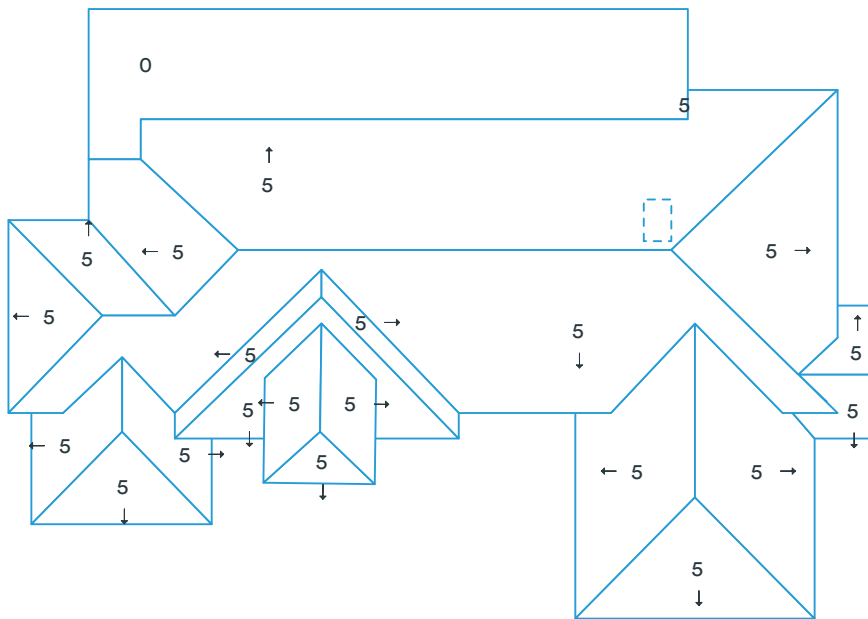
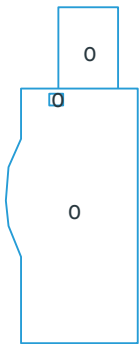
Unspecified pitch area: 0 sqft



Area measurements in diagram are rounded. The totals at the top of the page are the sums of the exact measurements, which are then rounded. Deleted facets (skylights, chimneys, etc.) are designated with a dashed line and are excluded from the calculations.

# Pitch & direction measurement report

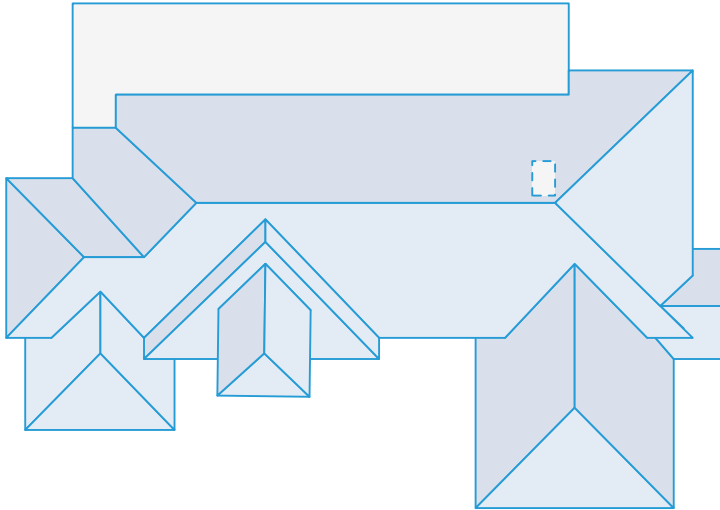
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Deleted facets are designated with a dashed line and do not have a pitch.

# Structure #1 summary

1710 East Kael Street, Mesa, AZ 85203



## Measurements

Total roof area	7375 sqft
Total pitched area	6184 sqft
Total flat area	1191 sqft
Total roof facets	22 facets
Predominant pitch	5/12
Total eaves	357ft 3in
Total valleys	165ft 2in
Total hips	290ft 8in
Total ridges	127ft 9in
Total rakes	19ft 0in
Total wall flashing	25ft 2in
Total step flashing	51ft 5in
Total transitions	88ft 3in
Total parapet wall	109ft 8in
Total unspecified	91ft 11in
Hips + ridges	418ft 4in
Eaves + rakes	376ft 3in

Pitch	0/12	5/12
Area (sqft)	1,191	6,185
Squares	12.0	61.9

## Recommended

Waste %	0%	10%	12%	15%	17%	20%	22%
Area (sqft)	7,375	8,113	8,260	8,481	8,629	8,850	8,998
Squares	73.8	81.2	82.6	84.9	86.3	88.5	90.0

Recommended waste is based on an asphalt shingle roof with a closed valley system (if applicable). Several other factors are involved in determining which waste percentage to use, including the complexity of the roof and individual roof application style. You will also need to calculate the post-waste quantity of other materials needed (hip and ridge caps, starter shingle, etc.).  
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# Structure #2 summary

1710 East Kael Street, Mesa, AZ 85203



## Measurements

Total roof area	636 sqft
Total pitched area	0 sqft
Total flat area	636 sqft
Total roof facets	3 facets
Predominant pitch	0/12
Total eaves	98ft 9in
Total valleys	0ft 0in
Total hips	0ft 0in
Total ridges	0ft 0in
Total rakes	0ft 0in
Total wall flashing	14ft 8in
Total step flashing	0ft 0in
Total transitions	0ft 0in
Total parapet wall	32ft 2in
Total unspecified	0ft 0in
Hips + ridges	0ft 0in
Eaves + rakes	98ft 9in

Pitch	0/12
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Area (sqft)	636
Squares	6.4

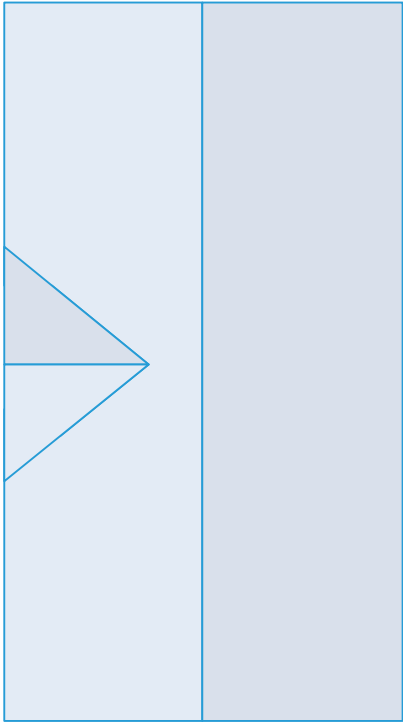
Recommended

Waste %	0%	10%	12%	15%	17%	20%	22%
Area (sqft)	636	700	713	732	744	764	776
Squares	6.4	7.0	7.2	7.4	7.5	7.7	7.8

Recommended waste is based on an asphalt shingle roof with a closed valley system (if applicable). Several other factors are involved in determining which waste percentage to use, including the complexity of the roof and individual roof application style. You will also need to calculate the post-waste quantity of other materials needed (hip and ridge caps, starter shingle, etc.).  
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# Structure #3 summary

1710 East Kael Street, Mesa, AZ 85203



## Measurements

Total roof area	137 sqft
Total pitched area	137 sqft
Total flat area	0 sqft
Total roof facets	4 facets
Predominant pitch	6/12
Total eaves	27ft 0in
Total valleys	8ft 0in
Total hips	0ft 0in
Total ridges	17ft 9in
Total rakes	23ft 2in
Total wall flashing	0ft 7in
Total step flashing	2ft 5in
Total transitions	0ft 0in
Total parapet wall	0ft 0in
Total unspecified	4ft 11in
Hips + ridges	17ft 9in
Eaves + rakes	50ft 2in

## Pitch 6/12

Area (sqft)	138
Squares	1.4

### Recommended

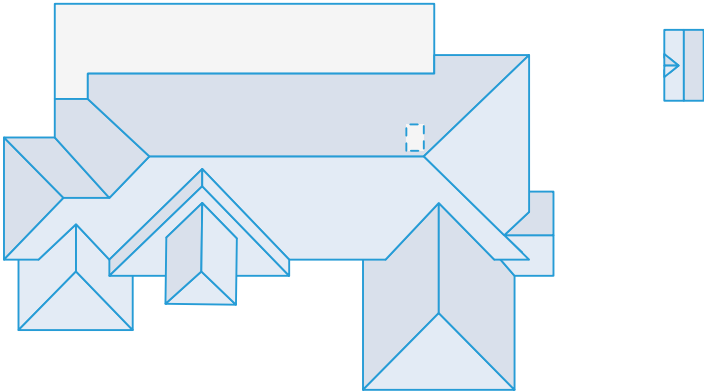
Waste %	10%	12%	15%	17%	20%	22%	32%
Area (sqft)	152	154	159	161	165	168	182
Squares	1.6	1.6	1.6	1.7	1.7	1.7	1.9

Recommended waste is based on an asphalt shingle roof with a closed valley system (if applicable). Several other factors are involved in determining which waste percentage to use, including the complexity of the roof and individual roof application style. You will also need to calculate the post-waste quantity of other materials needed (hip and ridge caps, starter shingle, etc.).  
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# Report summary

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## Measurements

Total roof area	8148 sqft
Total pitched area	6321 sqft
Total flat area	1826 sqft
Total roof facets	29 facets
Predominant pitch	5/12
Total eaves	483ft 0in
Total valleys	173ft 3in
Total hips	290ft 8in
Total ridges	145ft 6in
Total rakes	42ft 2in
Total wall flashing	40ft 5in
Total step flashing	53ft 9in
Total transitions	88ft 3in
Total parapet wall	141ft 10in
Total unspecified	96ft 10in
Hips + ridges	436ft 1in
Eaves + rakes	525ft 3in

Pitch	0/12	5/12	6/12
Area (sqft)	1,827	6,185	138
Squares	18.3	61.9	1.4

Recommended

Waste %	0%	9%	10%	12%	15%	17%	20%
Area (sqft)	8,148	8,882	8,963	9,126	9,371	9,534	9,778
Squares	81.5	88.9	89.7	91.3	93.8	95.4	97.8

Recommended waste is based on an asphalt shingle roof with a closed valley system (if applicable). Several other factors are involved in determining which waste percentage to use, including the complexity of the roof and individual roof application style. You will also need to calculate the post-waste quantity of other materials needed (hip and ridge caps, starter shingle, etc.).  
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# Material calculations

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Product	Unit	Waste (0%)	Waste (9%)	Waste (10%)	Waste (15%)
Shingle (total sqft)		6,322 sqft	6,891 sqft	6,954 sqft	7,270 sqft
IKO - Cambridge	bundle	190	207	209	219
CertainTeed - Landmark	bundle	193	211	213	222
GAF - Timberline	bundle	193	211	213	222
Owens Corning - Duration	bundle	193	211	213	222
Atlas - Pristine	bundle	192	209	211	221
Starter (eaves + rakes)		526 ft	573 ft	578 ft	604 ft
IKO - Leading Edge Plus	bundle	5	5	5	6
CertainTeed - SwiftStart	bundle	5	5	5	6
GAF - Pro-Start	bundle	5	5	5	6
Owens Corning - Starter Strip	bundle	6	6	6	6
Atlas - Pro-Cut	bundle	4	5	5	5
Ice and Water (eaves + valleys + flashings)		751 ft	818 ft	826 ft	864 ft
IKO - StormShield	roll	12	13	13	14
CertainTeed - WinterGuard	roll	12	13	13	14
GAF - WeatherWatch	roll	12	13	13	13
Owens Corning - WeatherLock	roll	11	11	12	12
Atlas - Weathermaster	roll	12	13	13	14
Synthetic (total sqft; no laps)		6,322 sqft	6,891 sqft	6,954 sqft	7,270 sqft
IKO - Stormtite	roll	7	7	7	8
CertainTeed - RoofRunner	roll	7	7	7	8
GAF - Deck-Armor	roll	7	7	7	8
Owens Corning - RhinoRoof	roll	7	7	7	8
Atlas - Summit	roll	7	7	7	8
Capping (hips + ridges)		437 ft	476 ft	480 ft	502 ft
IKO - Hip and Ridge	bundle	12	13	13	13
CertainTeed - Shadow Ridge	bundle	15	16	16	17
GAF - Seal-A-Ridge	bundle	18	20	20	21
Owens Corning - DecoRidge	bundle	22	24	24	26
Atlas - Pro-Cut H&R	bundle	15	16	16	17
Other					
8' Valley (no laps)	sheet	22	24	24	25
10' Drip Edge (eaves + rakes; no laps)	sheet	53	58	58	61

These calculations are estimates and are not guaranteed. Always double check calculations before ordering materials. Estimates are based off of the total pitched area (i.e., flat area is excluded).