

WINCHESTER SCHOOL DISTRICT

REQUESTS FOR PROPOSALS

The Winchester School District is soliciting bids for Membrane Roof Replacement at the Winchester School District, 85 Parker Street, Winchester, N.H

BID SUBMITTAL MINIMUM REQUIREMENTS:

1. Bids must be received no later than 3:00 PM on Monday April 1, 2019 in order to be considered.
2. Bid must meet **ALL** specifications detailed in this RFP including 30 year manufacturer warranty.
3. Roof Replacement Specs Sheet **MUST** be signed and submitted with bid.
4. Bids **must** include proof of insurance, Certificate of liability required **before** job start date.
5. Provide at least three (3) references – including their name, business name and phone number.
6. Please provide any additional information relative to the experience and competence of the bidder that may be helpful to the District during the selection process.
7. Bids must be in a sealed envelope clearly marked "**Roof Bid**" on the front, and delivered to:

Winchester School District
Attn: Ian Spencer
85 A Parker Street
Winchester, NH 03470

Bids will be opened on Tuesday, April 2, 2019 at 10am in the SAU #94 office at 85A Parker Street, Winchester, NH. (Bidders are welcome to attend)

BID SELECTION PROCESS:

1. All bidders are welcome to inspect the roofs with the Director of Facilities. This is the bidders' opportunity to examine existing conditions and acquaint themselves with obstacles and conditions as well as ask any questions before bidding. Please call Ian Spencer at 603-803-1016 to schedule site visits. Site visits need to be scheduled between March 25-29, 2019.
2. The District reserves the right to accept or reject any and all bids in its discretion to waive any formality, informality, information and/or errors in a bid.
3. Bids will be evaluated in the complete discretion of the District, based upon factors including cost, warranty, the detail and quality of the bid, references, and meeting the needs of the District.
4. If necessary, the District will choose one or more bidders for further evaluation. Such bidders may be required to prepare and provide further information.
5. This Request for Proposal will be available beginning March 18th 2019 at the above address and on the District's website at www.wnhsd.org
6. The selected bidder shall be required to execute a contract with the District within ten (10) business days following notification of its selection or shall be deemed to have declined selection and shall not be permitted to bid again on any subsequent RFP effort for the period of services to which this RFP relates.
7. The District retains the right to terminate this RFP process without any prior notice.

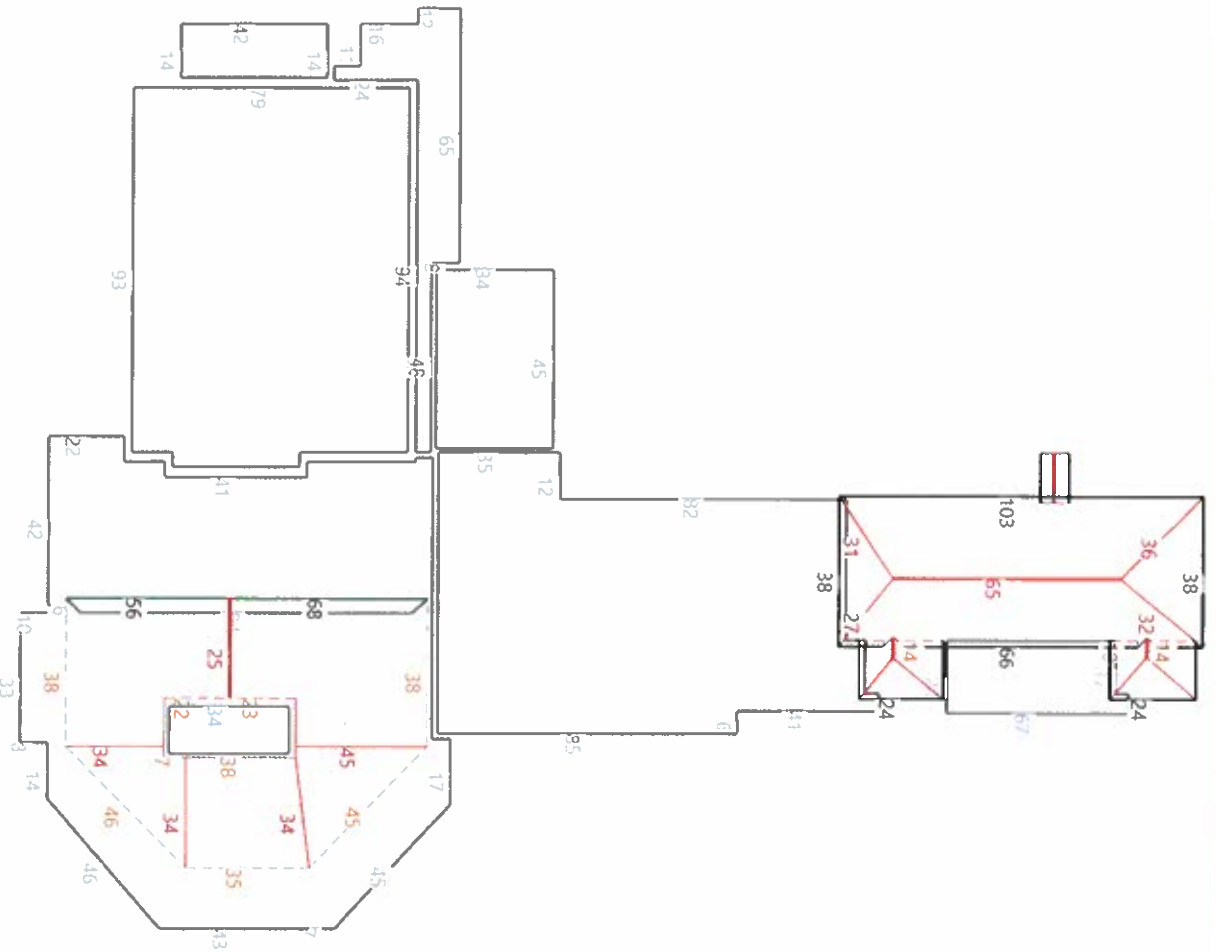
Roof Replacement Specs for:

Section C (2,946 SF) & Section O (1,182 SF)

1. Access to building will be provided no later than July 1, 2019. **All aspects including site cleaning MUST be completed NO later than August 18, 2019.** \$500.00 per day late fee will be deducted from final payment beginning August 19, 2019.
2. The Bidder is responsible for ensuring all work would be done in compliance with OSHA safety guidelines, and communicate with our site contact person for equipment and material hoisting locations, as to provide safe access of construction personal and minimize disturbances to facilities operations.
3. All stone ballast (section C) would be vacuumed from the roof surface as required. All stone would be legally disposed at a designated site and/or for your use.
4. The existing underlying membrane roofing system, inclusive of all underlying insulation would be removed down to the steel deck. All debris would be properly disposed of.
5. New continuous KD wood blocking would be securely anchored to the original below. The total blocking thickness would equal the height of the proposed insulation assembly.
6. The prepared substrate would be covered with two (2) new alternating layers of rigid 3" poly-isocyanurate insulation board, and a single layer of Rigid 2" poly-isocyanurate insulation, having a combined LTTR value equal to 46.20. All joints would be staggered to achieve enhanced thermal resistance. The insulation would then be mechanically attached to the deck. All insulation will be tapered/pitched to ensure proper drainage.
7. The rigid insulation would be covered with a 90 Mil EPDM (30 Year System) rubber membrane. The membrane would be adhered to the rigid insulation with bonding adhesive. All laps would be bonded together with seam tape to create one monolithic membrane.
8. All abutting vertical walls would be re-flashed with new 60 mil EPDM rubber membrane and terminated up under a new continuous shop fabricated metal counter-flashing and/or reconditioned existing flashing.
9. All outside roof edges would be trimmed with a continuous, custom shop fabricated 24ga (Kynar 500) steel two-piece fascia system. The new metal would be securely attached to the blocking. The fascia would be anchored to a continuous metal track below, and then properly flashed to the newly applied rubber membrane. The metal color would be chosen from a manufacturer's standard, non-metallic color chart.
10. New appropriate scuppers and/or drain flanges to ensure proper roof drainage.
11. All roof curbs and VTR's would be re-flashed with new EPDM membrane as per the roofing manufacturer's recommendations.
12. The completed roofing system would be accompanied by the manufacturer's Thirty (30) Year Systems Warranty.
13. Please see the attached maps and Eagle View for all measurement/dimensions.

Bidder Name _____ Date _____

Bidder Signature _____



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Length Diagram

Total Line Lengths:

- Ridges = 113 ft**
- Hips = 343 ft**
- Valleys = 18 ft**
- Rakes = 133 ft**
- Eaves = 403 ft**
- Flashing = 69 ft**
- Step flashing = 115 ft**
- Parapets = 2,160 ft**

Note: This diagram contains segment lengths (rounded to the nearest whole number) over 5 feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).

EXTENDED COVERAGE 2D

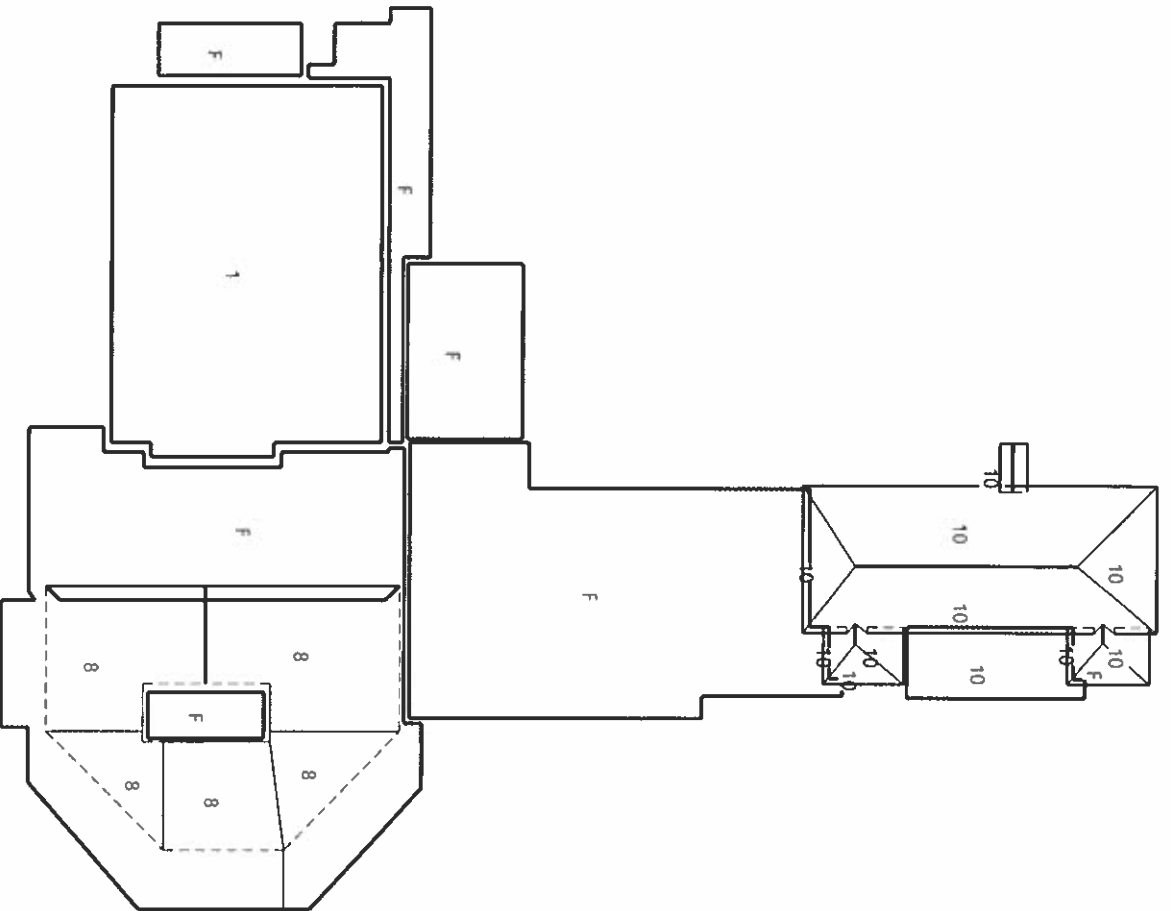
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EagleView

Report: 21646108

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Pitch Diagram

Pitch values are shown in inches per foot, and arrows indicate slope direction. The predominant pitch on this roof is 0/12.

Note: This diagram contains labeled pitches for facet areas larger than 20 square feet. In some cases, pitch labels have been removed for readability. Blue shading indicates a pitch of 3/12 and greater.

Pitch Diagram Disclaimer: With Extended Coverage, only the predominant pitch may be noted due to resolution of photo. Refer to pitch table for more information.

EXTENDED COVERAGE 2D

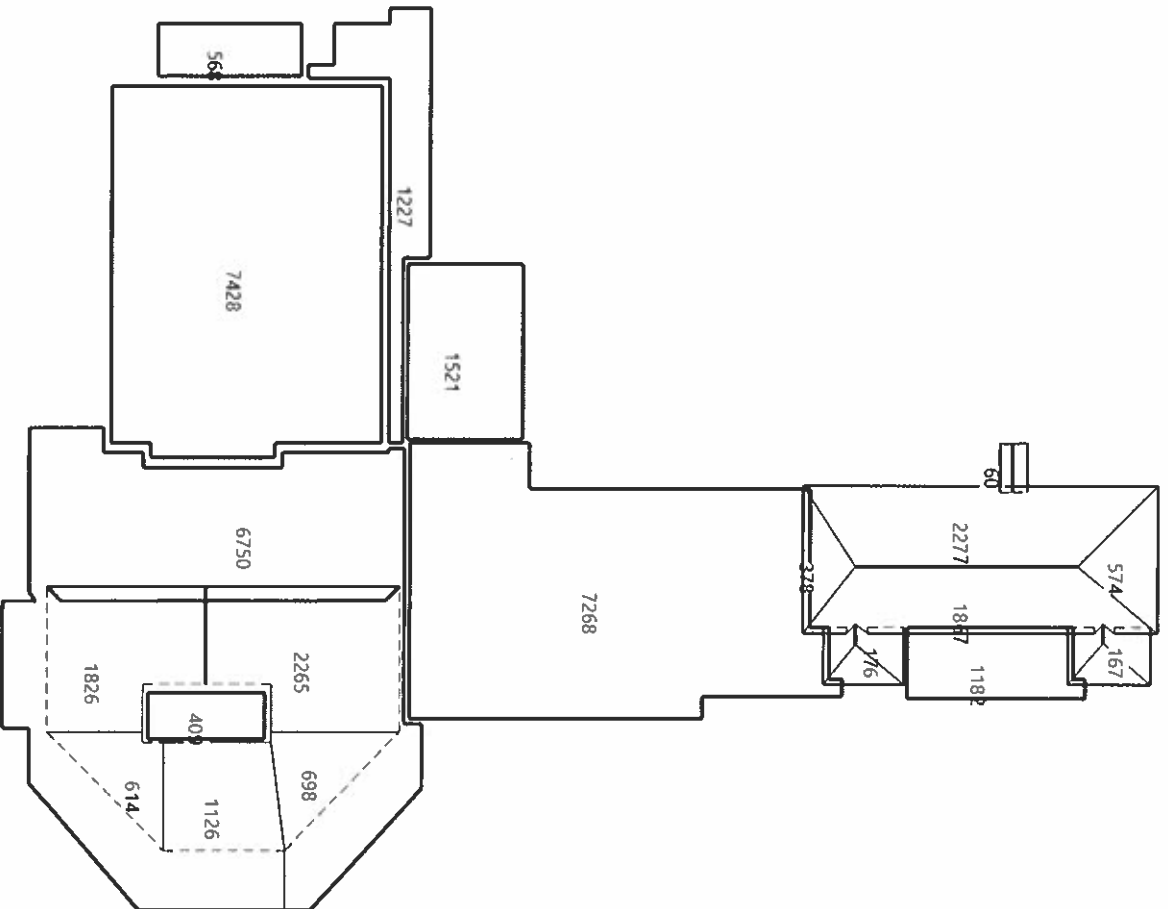
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Area Diagram

Total Area = 38,967 sq ft, with 25 facets.

Note: This diagram shows the square feet of each roof facet (rounded to the nearest foot). The total area in square feet, at the top of this page, is based on the non-rounded values of each roof facet (rounded to the nearest square feet after being totaled).

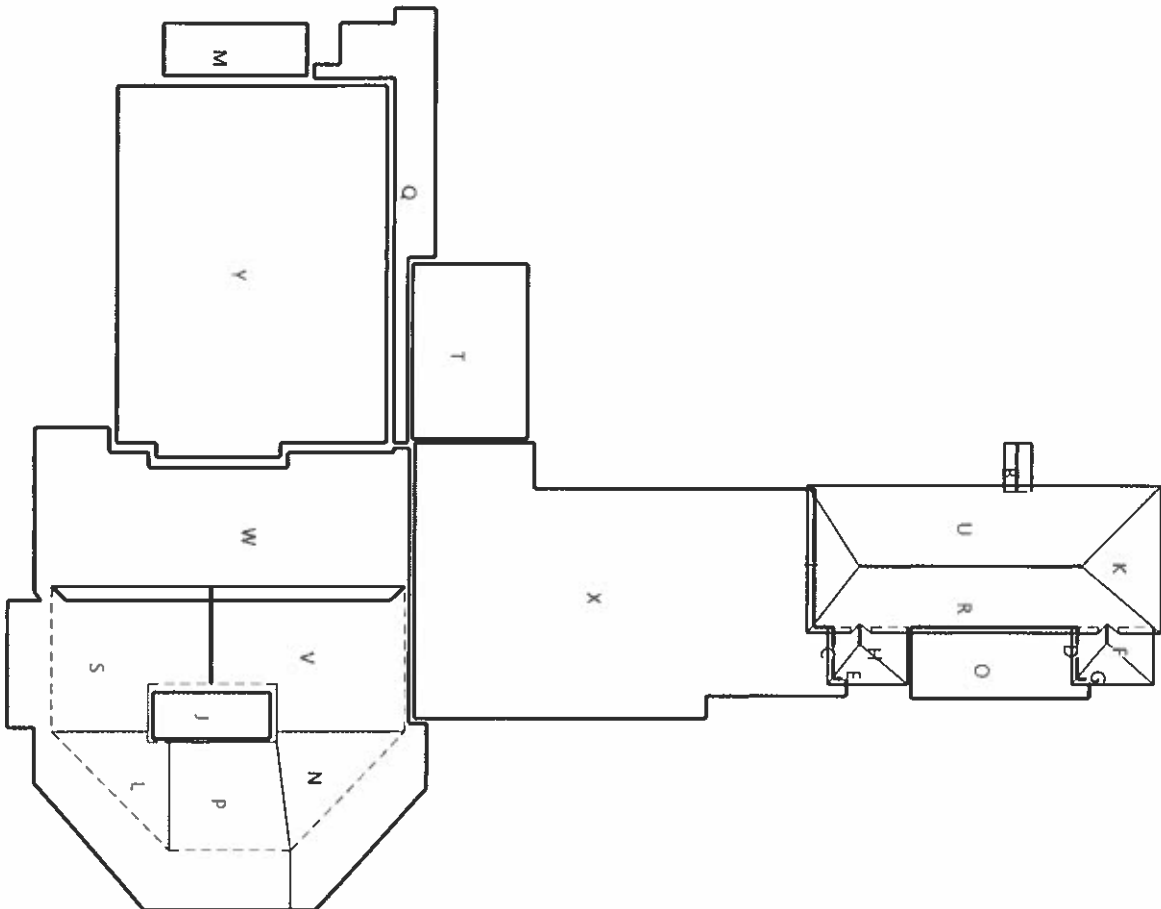
EXTENDED COVERAGE 2D

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Notes Diagram

Roof facets are labeled from smallest to largest (A to Z) for easy reference.

EXTENDED COVERAGE 2D

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Facet Area (sq ft) Based Upon Pitch

The area for each facet appears in the column under the appropriate pitch.

Facet	Pitch (inches per foot)										
	0	2	4	6	8	10	12	14	16	18	20
A	46.1	46.7	48.6	51.5	55.4	60	65.2	70.8	76.8	83.1	89.6
B	54.1	54.8	57	60.5	65	70.4	76.5	83.1	90.2	97.5	105.2
C	89.3	90.5	94.1	99.8	107.3	116.2	126.3	137.2	148.8	161	173.6
D	96.7	98	101.9	108.1	116.2	125.9	136.8	148.6	161.2	174.3	188
E	122.5	124.2	129.1	137	147.2	159.5	173.2	188.2	204.2	220.8	238.1
F	128	129.8	134.9	143.1	153.8	166.6	181	196.7	213.3	230.8	248.8
G	129.4	131.2	136.4	144.7	155.5	168.4	183	198.8	215.7	233.3	251.5
H	135.4	137.3	142.7	151.4	162.7	176.3	191.5	208.1	225.7	244.1	263.2
I	290.5	294.5	306.2	324.8	349.1	378.1	410.8	446.4	484.2	523.7	564.6
J	409.4	415	431.5	457.7	492	532.9	579	629.1	682.3	738.1	795.7
K	441.2	447.3	465.1	493.3	530.3	574.3	624	677.9	735.3	795.4	857.5
L	510.7	517.7	538.3	571	613.8	664.8	722.2	784.7	851.2	920.7	992.6
M	567.6	575.4	598.3	634.6	682.2	738.8	802.7	872.2	946	1023.3	1103.2
N	580.4	588.4	611.8	648.9	697.6	755.5	820.8	891.8	967.3	1046.3	1128.1
O	907.9	920.4	957	1015.1	1091.2	1181.8	1284	1395.1	1513.2	1636.7	1764.6
P	937.2	950.1	987.9	1047.8	1126.4	1220	1325.4	1440.1	1562	1689.6	1821.6
Q	1227.2	1244.1	1293.6	1372.1	1474.9	1597.5	1735.5	1885.7	2045.3	2212.4	2385.2
R	1434.6	1454.4	1512.2	1603.9	1724.2	1867.4	2028.8	2204.4	2391	2586.3	2788.4
S	1519.2	1540.2	1601.4	1698.5	1825.9	1977.6	2148.5	2334.4	2532	2738.8	2952.8
T	1520.9	1541.9	1603.2	1700.4	1827.9	1979.8	2150.9	2337	2534.8	2741.8	2956.1
U	1748.9	1773	1843.5	1955.3	2101.9	2276.6	2473.3	2687.3	2914.8	3152.9	3399.3
V	1884.3	1910.3	1986.2	2106.7	2264.6	2452.8	2664.8	2895.4	3140.5	3397	3662.4
W	6750.4	6843.5	7115.5	7547.2	8113	8787.1	9546.5	10372.6	11250.7	12169.5	13120.4
X	7268.4	7368.7	7661.6	8126.3	8735.5	9461.3	10279.1	11168.6	12114	13103.3	14127.2
Y	7402.4	7504.5	7802.8	8276.1	8896.6	9635.8	10468.6	11374.5	12337.3	13344.9	14387.7
Total	36203	36702	38161	40476	43510	47125	51198	55629	60338	65266	70365

Each value is rounded to the nearest square foot. The totals are based on the unrounded values.

Pitch Table

Areas per Pitch	Area (sq ft)	% of Roof
Roof Pitches	17927.4	46%
0/12	7428.1	19.1%
1/12	6528.2	16.8%
8/12	7082.7	18.2%

Pitch Table Disclaimer: The table above lists each pitch on this roof and the total area and percent (both rounded) of the roof with that pitch. With Extended Coverage, EagleView recommends field verifying measurements and pitch utilizing the table above.

EXTENDED COVERAGE 2D

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Waste Calculation Table

Waste %	Area (sq ft)	Squares
0%	38,967	389.7
10%	42,864	428.6
12%	43,643	436.4
15%	44,812	448.1
17%	45,591	455.9
20%	46,760	467.6
22%	47,540	475.4

This table shows the total roof area and squares (rounded up to the nearest decimal) based upon different waste percentages. The waste factor is subject to the complexity of the roof, individual roofing techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only roof area is included in these waste calculations. Additional materials needed for ridge, hip, valley, and starter lengths are not included.

Report Summary

Below is a measurement summary of the values presented in this report.

Total Roof Facets = 25

Property Location

Longitude = -72.3775815

Latitude = 42.7682171

Notes

There were no changes to the structure in the past four years.

Lengths, Areas and Pitches

Ridges = 113 ft (5 Ridges)

Hips = 343 ft (12 Hips).

Valleys = 18 ft (4 Valleys)

Rakes* = 133 ft (4 Rakes)

Eaves/Starter** = 403 ft (14 Eaves)

Drip Edge (Eaves + Rakes) = 536 ft (18 Lengths)

Parapet Walls = 2,160 (76 Lengths).

Flashing = 69 ft (7 Lengths)

Step Flashing = 115 ft (11 Lengths)

Total Area = 38,967 sq ft

Predominant Pitch = 0/12

EXTENDED COVERAGE 2D**Online Maps**

Online map of property

http://maps.google.com/maps?f=q&source=s_q&hl=en&geocode=&q=85+Parker+St,Winchester,NH,03470-2904

Directions from The Melanson Company to this property

http://maps.google.com/maps?f=d&source=s_d&saddr=353+West+Street,Keene,NH,03431&daddr=85+Parker+St,Winchester,NH,03470-2904

- * Rakes are defined as roof edges that are sloped (not level).
- ** Eaves are defined as roof edges that are not sloped and level.



Report: 21646108

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Length Diagram

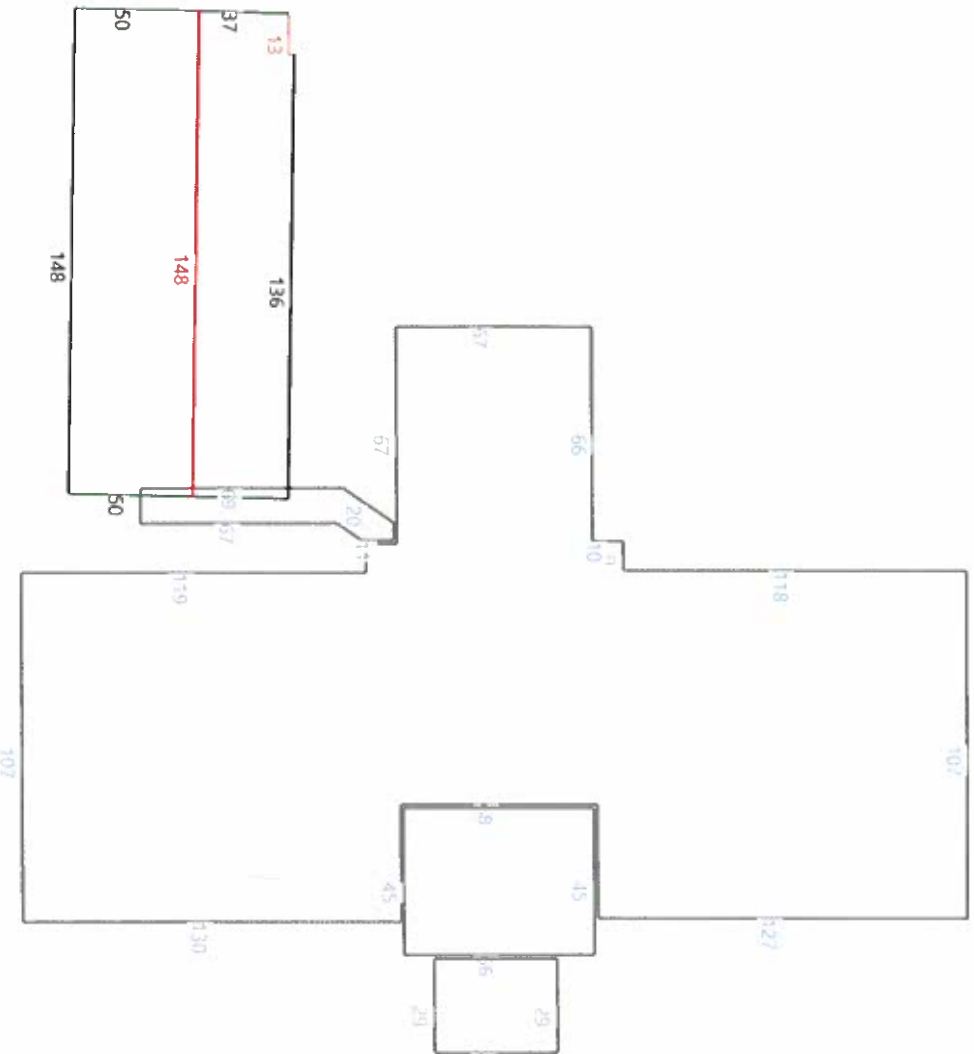
Total Line Lengths:

- Ridges = 149 ft**
- Hips = 0 ft
- Valleys = 0 ft
- Rakes = 178 ft
- Eaves = 285 ft
- Flashing = 13 ft
- Step flashing = 3 ft
- Parapets = 1,642 ft

Note: This diagram contains segment lengths (rounded to the nearest whole number) over 5 feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).

EXTENDED COVERAGE 2D

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Report: 21653668

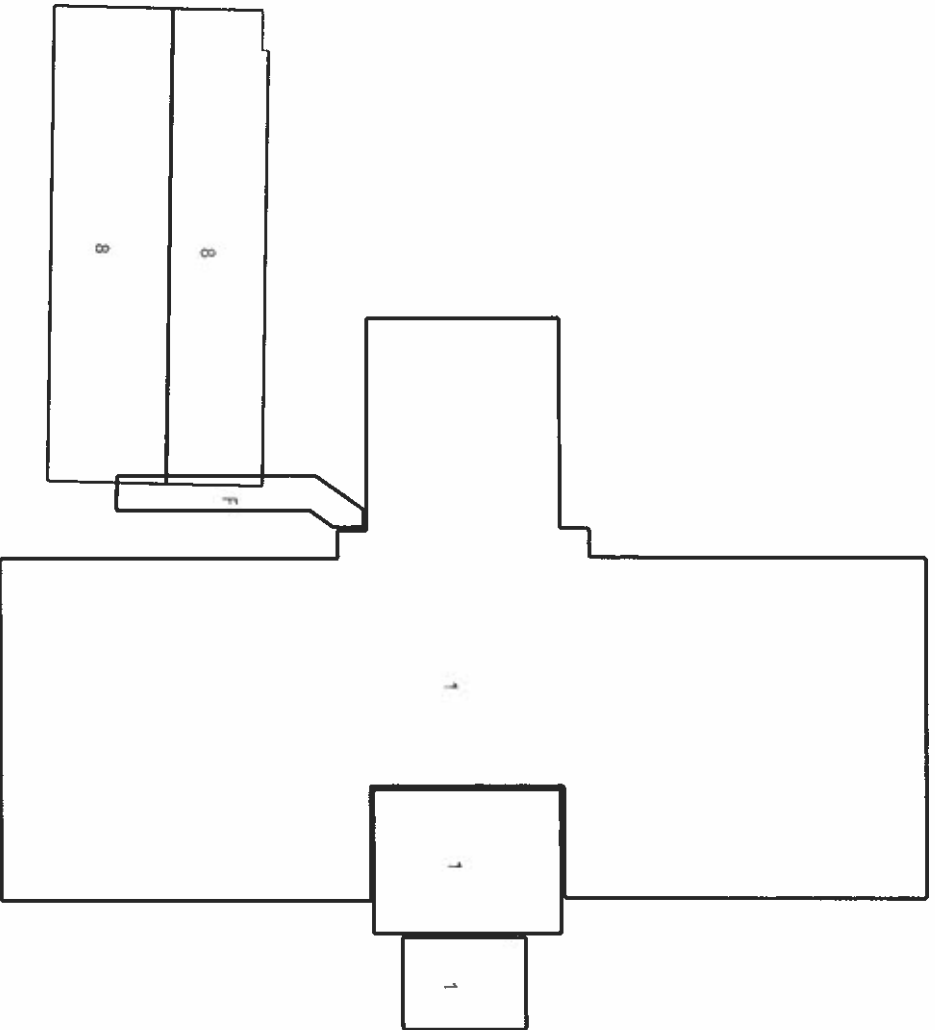
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Pitch Diagram

Pitch values are shown in inches per foot, and arrows indicate slope direction. The predominant pitch on this roof is 1/12.

Note: This diagram contains labeled pitches for facet areas larger than 20 square feet. In some cases, pitch labels have been removed for readability. Blue shading indicates a pitch of 3/12 and greater.

Pitch Diagram Disclaimer: With Extended Coverage, only the predominant pitch may be noted due to resolution of photo. Refer to pitch table for more information.



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EAGLEVIEW

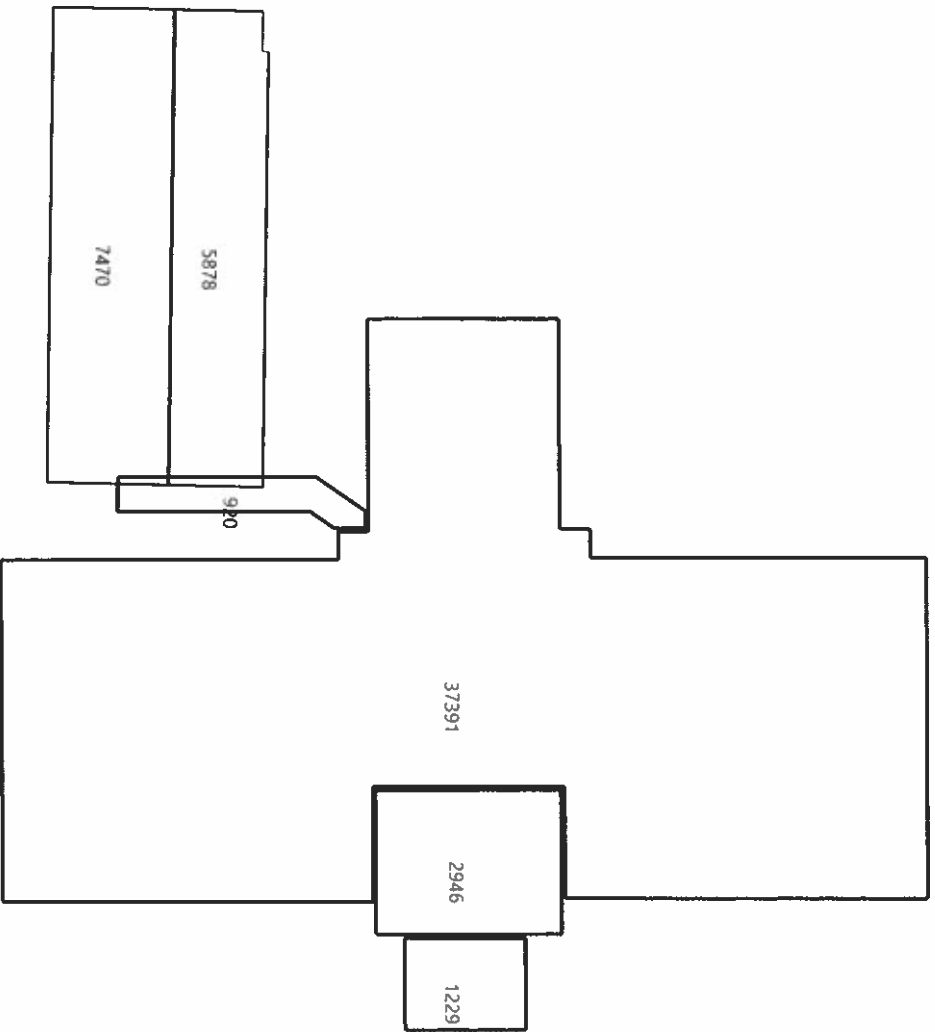
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Area Diagram

Total Area = 55,835 sq ft, with 6 facets.

Note: This diagram shows the square feet of each roof facet (rounded to the nearest foot). The total area in square feet, at the top of this page, is based on the non-rounded values of each roof facet (rounded to the nearest square feet after being totaled).



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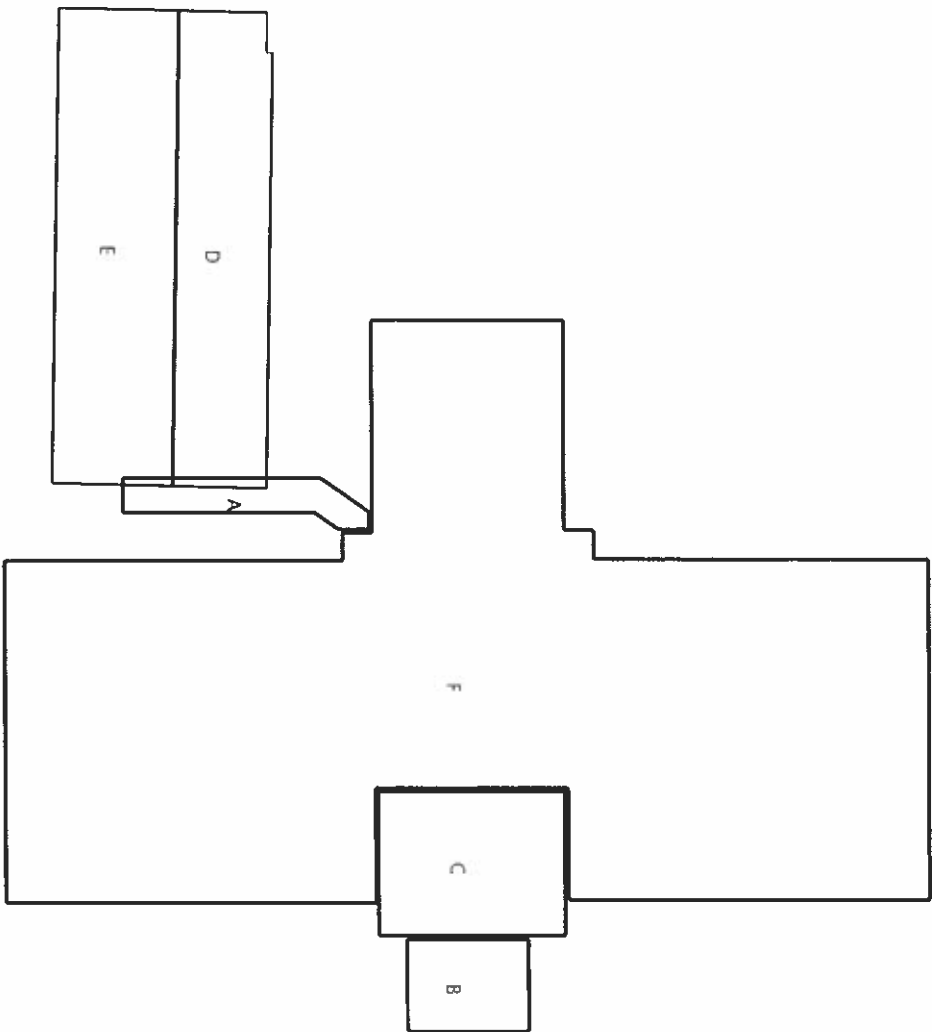


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Notes Diagram

Roof facets are labeled from smallest to largest (A to Z) for easy reference.



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Facet Area (sq ft) Based Upon Pitch

The area for each facet appears in the column under the appropriate pitch.

Facet	Pitch (inches per foot)										
	0	2	4	6	8	10	12	14	16	18	20
A	919.5	932.2	969.2	1028	1105.1	1196.9	1300.4	1412.9	1532.5	1657.7	1787.2
B	1224.8	1241.7	1291.1	1369.4	1472	1594.3	1732.1	1882	2041.3	2208	2380.6
C	2936.3	2976.8	3095.1	3282.9	3529	3822.2	4152.6	4511.9	4893.8	5293.5	5707.1
D	4890.8	4958.3	5155.4	5468.1	5878	6366.4	6916.6	7515.2	8151.3	8817	9506
E	6215.4	6301.1	6551.6	6949	7470	8090.6	8789.9	9550.5	10359	11205	12080.6
F	37262	37776	39277.6	41660.2	44783.4	48504.3	52696.4	57256.4	62103.3	67175	72424.3
Total	53449	54186	56340	59758	64238	69575	75588	82129	89081	96356	103886

Pitch Table

Areas per Pitch	Area (sq ft)	% of Roof
Roof Pitches		
0/12	919.5	1.6%
1/12	41566.7	74.4%
8/12	13348	23.9%

Pitch Table Disclaimer: The table above lists each pitch on this roof and the total area and percent (both rounded) of the roof with that pitch. With Extended Coverage, EagleView recommends field verifying measurements and pitch utilizing the table above.

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Each value is rounded to the nearest square foot. The totals are based on the unrounded values.



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Waste Calculation Table

Waste %	Area (sq ft)	Squares
0%	55,835	558.3
10%	61,419	614.2
12%	62,535	625.4
15%	64,210	642.1
17%	65,327	653.3
20%	67,002	670.0
22%	68,119	681.2

This table shows the total roof area and squares (rounded up to the nearest decimal) based upon different waste percentages. The waste factor is subject to the complexity of the roof, individual roofing techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only roof area is included in these waste calculations. Additional materials needed for ridge, hip, valley, and starter lengths are not included.

Report Summary

Below is a measurement summary of the values presented in this report.

Total Roof Facets = 6

Property Location

Longitude = -72.3764888

Latitude = 42.7678457

Notes

There were no changes to the structure in the past four years.

Lengths, Areas and Pitches

Ridges = 149 ft (1 Ridges)

Hips = 0 ft (0 Hips).

Valleys = 0 ft (0 Valleys)

Rakes** = 178 ft (4 Rakes)

Eaves/Starter** = 285 ft (2 Eaves)

Drip Edge (Eaves + Rakes) = 463 ft (6 Lengths)

Parapet Walls = 1,642 (31 Lengths).

Flashing = 13 ft (1 Lengths)

Step flashing = 3 ft (1 Lengths)

Total Area = 55,835 sq ft

Predominant Pitch = 1/12

EXTENDED COVERAGE 2D**Online Maps**

Online map of property

http://maps.google.com/maps?f=q&source=s_q&hl=en&geocode=&q=85+Parker+St,Winchester,NH,03470-2904

Directions from The Melanson Company to this property

http://maps.google.com/maps?f=d&source=s_d&saddr=353+West+Street,Keene,NH,03431&daddr=85+Parker+St,Winchester,NH,03470-2904

- * Rakes are defined as roof edges that are sloped (not level).
- ** Eaves are defined as roof edges that are not sloped and level.



EagleView

Report: 21653668

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