

### **Project Identification**

Project Name : 2024 Hailstorm Damage Repair Project – Shingle Roof Replacement.

Project Number : CMC 1002203-8

Project Information : Reference Specifications and Documents Attached

You are hereby invited to submit a quote for the above-referenced project(s).

#### Following is a summary description of the project(s).

### **Bid B: Shingle Roof Buildings**

Removal, disposal and replacement of the metal standing seam roofing systems on four (4) buildings in the City of Crosslake, Minnesota. Please reference the attached documents for a more detailed description of the scope of work for each building.

It is anticipated the project shall commence within 30 days after awarding the project and shall be completed by May 15, 2025. Completing after this date will result in a \$500 per day penalty.

To bid for this contract, the contractor must be licensed and insured. Proof of licensure and proof of insurance should be submitted with the bid. The bid proposal shall include a statement that the contractor complies with all applicable local, state, and federal statutory requirements, including the Equal Employment Opportunity Act and any other applicable requirements.

A performance bond for 100% of the quoted amount shall be required at the time of contract signing.

Bids will be received from September 12, 2024 until October 3, 2024, at 12:00 pm local time. Bid opening and awarding will take place on October 14, 2024.

All bids shall be hand delivered or sent to City of Crosslake: City Hall c/o Charlene Nelson, City Clerk.

Mailing Address: City of Crosslake 13888 Daggett Bay Road, Crosslake, MN 56442

Email Address: cityclerk@cityofcrosslake.org

All Bids shall be submitted on this bid proposal form and shall be submitted prior to the deadline. Any questions regarding the bid or the project shall be addressed to Charlene Nelson, City Clerk (cityclerk@cityofcrosslake.org).

BUILDING		AMOUNT
Location #3 – Community Center		
Location #4 – Warming House		
Location #7 – Lions Picnic Shelter		
Location #8 – Parks & Rec Garage		
	Total Bid Amount	



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BUILDING		AMOUNT
Location #3 – Community Center		
Location #4 – Warming House		
Location #7 – Lions Picnic Shelter		
Location #8 – Parks & Rec Garage		
	Total Bid Amount	

# CITY OF CROSSLAKE ROOF HAIL DAMAGE SHINGLE ROOF LOCATIONS

SHEET INDEX SHINGLE ROOF			
SHEET	SHEET SHEET NAME REV		
ARCHITECT	URAL		
G1.0	COVER SHEET & SITE PLAN SHINGLE ROOFS		
A3.0	COMMUNITY CENTER		
A3.1	COMMUNITY CENTER		
A4.0	WARMING HOUSE		
A5.0	5.0 LIONS PICNIC SHELTER		
A6.0	PARKS/REC GARAGE		
A-1	APPENDIX		





ESI

4215 Campus Drive Aurora, Illinois 60504 630-851-4566 Phone

PROJECT LOCATION

CITY OF CROSSLAKE

ESI PROJECT NO.

DIOINALIO

ORIGINAL ISSUE 10 SEPT 2024

DATE DESCRIPTION BY RVW

SHEET & SITE PLAN HINGLE ROOFS

I OCATIONS #3 4 7 & 8

G1.0

## ROOFING NOTES BUILDING/SITE INFORMATION

- SCOPE OF WORK INCLUDES:
- A. REMOVAL OF EXISTING ASPHALT SHINGLES & ALL COMPONENTS DOWN TO ROOF SHEATHING
- B. INSTALLATION OF NEW ASPHALT SHINGLES & ALL REQUIRED COMPONENTS TO MATCH EXISTING TYPE & QUALITY.
- C. REMOVAL OF EXISTING GUTTERS.
- D. REMOVAL FROM SITE & DISPOSAL OF ALL MATERIAL REMOVED FROM ROOF IS TO BE CONTRACTOR'S RESPONSIBILITY.
- E. RESTORATION OF THE SITE/TURF AROUND BUILDING, TO INCLUDE ACCESS PATHS, IS TO BE CONTRACTOR'S RESPONSIBILITY.
- . INSTALLATION OF NEW SHINGLES:
- A. TO MEET 2020 MINNESOTA BUILDING CODE
- B. INDUSTRY STANDARD PRACTICES
- C. MANUFACTURER INSTALLATION INSTRUCTIONS.
- INSTALLATION OF NEW GUTTERS TO MATCH LOCATION & SIZE OF EXISTING. CONTRACTOR TO FIELD VERIFY SIZE & LINEAR FEET NOTED IN DRAWINGS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE & PROTECT ANY ROOF APPURTENANCES THAT ARE NOT PART OF THE ROOF SYSTEM & TO REINSTALL AFTER NEW ROOF SYSTEM HAS BEEN INSTALLED. CONTRACTOR TO COORDINATE WITH CITY PRIOR TO REMOVAL.
- CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS TO INSTALL NEW ROOF TO MATCH EXISTING ROOF INSTALLATION.
  - A. FLASHING
  - B. RIDGE CAP
  - C. EDGE TRIM/FLASHING
  - D. KICKOUT FLASHING WHERE ROOF INTERSECTS WITH A WALL
  - E. VALLEY FLASHING
  - F. ALL RQUIRED UNDERLAYMENTS TO MATCH EXISTING INSTALLATION, TO INCLUDE ICE & WATER SHIELD MEMBRANE.
- ALL EXISTING GUTTERS & RAINLEADERS ARE TO BE REMOVED & RE-INSTALLED.
   CONTRACTOR'S OPTION TO INSTALL NEW GUTTERS & RAINLEADERS IN-LEU OF RE-INSTALLING
   EXISTING.
- ALL PVC & METAL PENETRATIONS ARE TO BE PAINTED TO MATCH ROOF SHINGLE COLOR OR EXISTING PENETRATION COLOR. PREPARE SURFACES AS REQUIRED FOR PAINT APPLICATION.
- 8. NEW ROOF COLOR TO MATCH EXISTING COLOR. COORDINATE WITH OWNER IF EXISTING COLOR IS NOT AVAILABLE.

- . ROOF TO BE COVERED BY A 30 YEAR WARRANTY, CLASS 3 LAMINATED, FIBER-GLASS REINFORCED ARCHITECTURAL ASPHALT COMPOSITION SHINGLE SYSTEM. PROVIDE CERTIFIED WARRANY DOCUMENTS TO OWNER AFTER INSTALLATION.
- A. TOTAL SQUARE FOOTAGE OF ROOF = 21,447 SF
- B. WASTE FACTOR NOT INCLUDED. REFERENCE 'HOVER' REPORT FOR WASTE FACTOR CALCULATIONS.
- 2. HEIGHT OF SOFFIT ABOVE GRADE:
- A. LOWER BEARING: 11' 0"
- B. HIGHER BEARING: 20' 0"
- 3. ROOF APPURTENANCES: (SEE ROOF PLAN FOR LOCATIONS)
  - A. (5) FURNACE METAL EXHAUST FLUES
  - B. (4) FURNACEPVC EXHAUST FLUES
  - C. (4) VENT PIPES
  - D. (5) RECTANGULAR EXHAUST/INTAKE DUCTS (APPROXIMATE 16" x 24")
- BUILDING IS CLEAR OF OBSTRUCTIONS THE FULL
  PERIMETER EXCEPT FOR A WOOD FRAMED PERGOLA @

  EAST SIDE

  OUT TO STRUCTURE TO STRUCTURE
- 5. SEE APPENDIX A-1 FOR HOVER REPORT WITH DETAILED MEASUREMENTS.
- 6. GOOGLE MAPS LOCATION:
- A. 13870 Whipple Dr, Crosslake, MN 56442

COMMUNITY CENTER KEY LEGEND			
Key #	Description		
1	EXISTING METAL EXHAUST FLUE - 5" DIAMETER. PROVIDE NEW BOOT PER INDUSTRY STANDARDS.		
2	EXISTING PVC EXHAUST FLUE - 3" DIAMETER. PROVIDE NEW BOOT PER INDUSTRY STANDARDS.		
4	EXISTING METAL VENT PIPE - 3 1/2" OD. PROVIDE NEW BOOT PER INDUSTRY STANDARDS.		
5	EXISTING METAL EXHAUST/INTAKE DUCT. PROVIDE NEW FLASHING @ PERIMETER PER INDUSTRY STANDARDS. PAINT DUCT TO		
	MATCH OTHER ROOF PENETRATIONS. CLEAN SURFACE PRIOR TO PAINT APPLICATION.		
6	REMOVE EXISITING PREFINISHED METAL CAP FLASHING & REPLACE WITH LIKE KIND. NEW CAP TO MATCH EXISTING SIZE & SHAPE.		
	FLASH PER INDUSTRY STANDARDS AT ADJACENT SHINGLES.		
7	EXISTING PVC VENT PIPE - 3" DIAMETER. PROVIDE NEW BOOT PER INDUSTRY STANDARDS.		
8	CONTINUOUS RIDGE VENT TO MATCH EXISTING IN EXTENTS. RIDGE VENT TO HAVE 18 SQ.INCH./FT VENTING MINIMUM.		
9	SMALL SHINGLE ROOF @ LOWER BEARING LEVEL. INSTALL SHINGLES & FLASH PER INDUSTRY STANDARDS.		
10	REMOVE & REPLACE EXISTING GUTTERS WITH NEW GUTTERS TO MATCH EXISTING IN SIZE & LOCATION. EXISTING RAIN LEADERS		
	TO REMAIN. APPROXIMATELY 470'-0" IN ALL LOCATIONS. NEW GUTTERS TO BE 6" DEEP PROFILE TO MATCH EXISTING.		
	CONTRACTOR TO PROVIDE ALL REQUIRED HANGERS & ACCESSORIES FOR INSTALLATION & CONNECTION TO EXISTING RAIN		



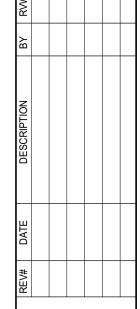
PROJECT LOCATION

CITY OF CROSSLAKE

ESI PROJECT NO.

106486

ORIGINAL ISSUE 10 SEPT 2024



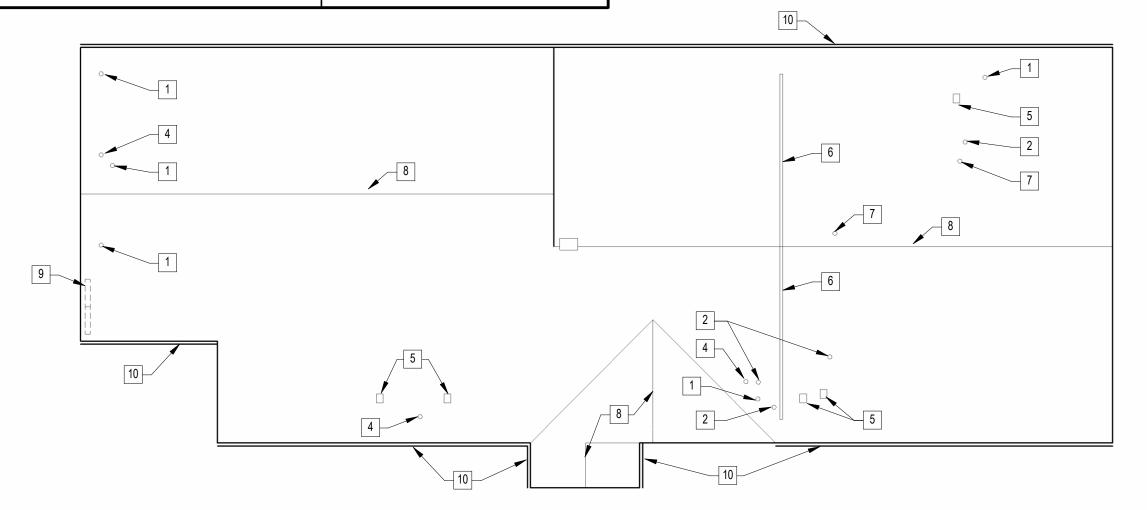
COMMUNITY CENTER

, MN / CLAIM REF NO. (t Bay Road Crosslake, MN 56

OF CROSSLAKE,

LOCATION #3

A3.0



LEADERS.



PENETRATION GROUP @ NW CORNER



PENETRATION GROUP @ SW CORNER



LINEAR CAP FLASHING & BOX DUCT



PENETRATION GROUPING EAST OF MAIN ENTRANCE



106486 ORIGINAL ISSUE 10 SEPT 2024

ESI PROJECT NO.

PROJECT LOCATION CITY OF CROSSLAKE

RVW	
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NOI	
DESCRIPTION	
DATE	
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CITY OF CROSSLAKE, MN / CLAIM REF NO. CMC 1002203-8 13889 Daggett Bay Road Crosslake, MN 56442 COMMUNITY CENTER



APENETRATION GROUP @ NE CORNER

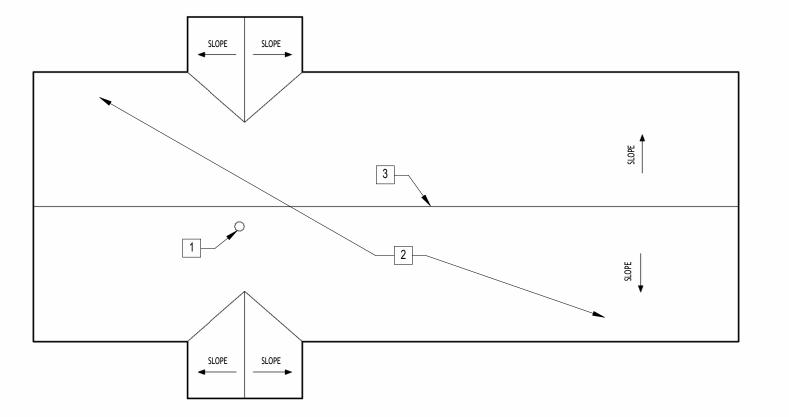
#### **ROOFING NOTES**

- SCOPE OF WORK INCLUDES:
- A. REMOVAL OF EXISTING ASPHALT SHINGLES & ALL COMPONENTS DOWN TO
- B. INSTALLATION OF NEW ASPHALT SHINGLES & ALL REQUIRED COMPONENTS TO MATCH EXISTING TYPE & QUALITY.
- REMOVAL FROM SITE & DISPOSAL OF ALL MATERIAL REMOVED FROM ROOF IS TO BE CONTRACTOR'S FULL RESPONSIBILITY.
- RESTORATION OF THE SITE/TURF AROUND BUILDING, TO INCLUDE ACCESS PATHS, IS TO BE CONTRACTOR'S FULL RESPONSIBILITY.
- 2. INSTALLATION OF NEW SHINGLES:
  - TO MEET 2020 MINNESOTA BUILDING CODE
  - INDUSTRY STANDARD PRACTICES
  - C. MANUFACTURER INSTALLATION INSTRUCTIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE & PROTECT ANY ROOF APPURTENANCES THAT ARE NOT PART OF THE ROOF SYSTEM & TO REINSTALL AFTER NEW ROOF SYSTEM HAS BEEN INSTALLED. CONTRACTOR TO COORDINATE WITH CITY PRIOR TO REMOVAL.
- CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS TO INSTALL NEW ROOF TO MATCH EXISTING ROOF INSTALLATION.
  - A. FLASHING
  - B. RIDGE VENT
  - C. EDGE TRIM/FLASHING
- ALL RQUIRED UNDERLAYMENTS TO MATCH EXISTING INSTALLATION, TO INCLUDE ICE & WATER SHIELD MEMBRANE.
- ALL COLORS ARE TO MATCH EXISTING COLORS.
- A. COORDINATE WITH OWNER IF EXISTING COLOR IS NOT AVAILABLE.

#### **BUILDING/SITE INFORMATION**

- ROOF TO BE COVERED WITH A 30 YEAR WARRANTY, CLASS 3 LAMINATED, FIBER-GLASS REINFORCED ARCHITECTURAL ASPHALT COMPOSITION SHINGLE SYSTEM. PROVIDE CERTIFIED WARRANY DOCUMENTS TO OWNER AFTER INSTALLATION.
- A. TOTAL SQUARE FOOTAGE OF ROOF = 2,314 SF
- B. WASTE FACTOR NOT INCLUDED. REFERENCE 'HOVER' REPORT FOR WASTE FACTOR CALCULATIONS.
- HEIGHT OF SOFFIT ABOVE GRADE:
- A. EAST & WEST SIDES OF BUILDING: 8' 0"
- ROOF APPURTENANCES: (SEE ROOF PLAN FOR LOCATIONS)
- A. (1) FURNACE EXHAUST FLUES
- BUILDING IS CLEAR OF OBSTRUCTIONS THE FULL PERIMETER AT GRADE.
- A. (1) LIGHT POLE ON WEST SIDE
- (1) LIGHT POLE ON EAST SIDE
- C. GAS METER & ELECTRICAL TRANSFORMER ON WEST SIDE ADJACENT TO BUILDING.
- SEE APPENDIX A-1 FOR HOVER REPORT:
- A. DETAILED MEASUREMENTS.
- B. ROOF SLOPES
- GOOGLE MAPS LOCATION:
- A. 14126 DAGGETT PINE ROD, CROSSLAKE, MN 56442

	WARMING HOUSE KEY LEGEND			
Key#	v # Description			
1	EXISTING PVC VENT PIPE - 3 1/2" OD. PROVIDE NEW BOOT PER INDUSTRY STANDARDS.			
2	ASPHALT SHINGLE ROOF			
3	CONTINUOUS RIDGE VENT TO MATCH EXISTING IN EXTENTS. RIDGE VENT TO HAVE 18 SQ.INCH./FT VENTING MINIMUM.			





4215 Campus Drive Aurora, Illinois 60504

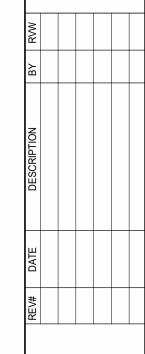
630-851-4566 Phone PROJECT LOCATION

CITY OF CROSSLAKE

ESI PROJECT NO. 106486

ORIGINAL ISSUE

10 SEPT 2024



HOUSE WARMING

LOCATION #4

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CMC 1

.; MN / CLAIM REF NO. C tt Bay Road Crosslake, MN 56

#### **ROOFING NOTES**

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  - A. FLASHING
  - B. RIDGE VENT
  - C. EDGE TRIM/FLASHING
  - D. ALL RQUIRED UNDERLAYMENTS TO MATCH EXISTING INSTALLATION, TO INCLUDE ICE & WATER SHIELD MEMBRANE.

#### **BUILDING/SITE INFORMATION**

- ROOF TO BE COVERED WITH A 30 YEAR WARRANTY, CLASS 3 LAMINATED, FIBER-GLASS REINFORCED ARCHITECTURAL ASPHALT COMPOSITION SHINGLE SYSTEM. PROVIDE CERTIFIED WARRANY DOCUMENTS TO OWNER AFTER
- A. TOTAL SQUARE FOOTAGE OF ROOF = 2,854 SF
- B. WASTE FACTOR NOT INCLUDED. REFERENCE 'HOVER' REPORT FOR WASTE FACTOR CALCULATIONS.
- HEIGHT OF SOFFIT ABOVE GRADE:
- A. NORTH & SOUTH SIDES OF BUILDING: 8' 0"
- ROOF APPURTENANCES: (SEE ROOF PLAN FOR LOCATIONS)
- A. (1) FURNACE EXHAUST FLUES
- BUILDING IS CLEAR OF OBSTRUCTIONS THE FULL PERIMETER AT GRADE. THERE IS ONE TREE LOCATED CLOSE TO THE SE CORNER.
- SEE APPENDIX A-1 FOR HOVER REPORT:
  - A. DETAILED MEASUREMENTS.
- B. ROOF SLOPES
- GOOGLE MAPS LOCATION:
  - A. 14126 DAGGETT PINE ROD, CROSSLAKE, MN 56442

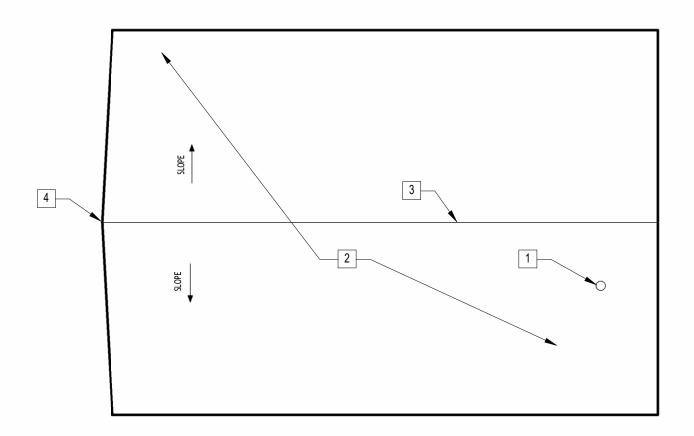
	LIONS PICNIC SHELTER KEY LEGEND				
Key#	ey # Description				
1	EXISTING PVC VENT PIPE - 3 1/2" OD. PROVIDE NEW BOOT PER INDUSTRY STANDARDS.				
2	ASPHALT SHINGLE ROOF				
3	CONTINUOUS RIDGE VENT TO MATCH EXISTING IN EXTENTS. RIDGE VENT TO HAVE 18 SQ.INCH./FT VENTING MINIMUM.				
4	RIDGE AT WEST SIDE EXTENDS PAST LOWER SIDE FAVES. SEE HOVER REPORT FOR MEASUREMENTS				



SOUTHEAST CORNER @ TREE



TYPICAL ROOF EDGE







4215 Campus Drive

Aurora, Illinois 60504

630-851-4566 Phone

PROJECT LOCATION

CITY OF CROSSLAKE

ESI PROJECT NO.

106486

ORIGINAL ISSUE

10 SEPT 2024

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LOCATION #7

CITY OF CROSSLAKE, MN / CLAIM REF NO. CMC : 13888 Daggett Bay Road Crosslake, MN 56442

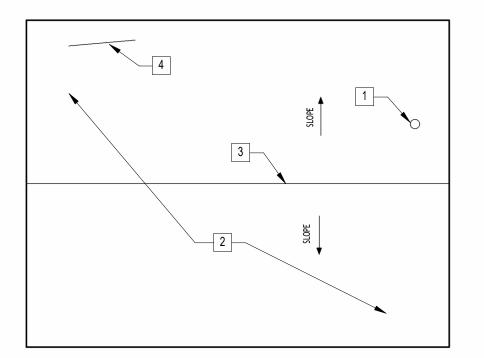
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  - A. REMOVAL OF EXISTING ASPHALT SHINGLES & ALL COMPONENTS DOWN TO ROOF SHEATHING.
  - B. INSTALLATION OF NEW ASPHALT SHINGLES & ALL REQUIRED COMPONENTS TO MATCH EXISTING TYPE & QUALITY.
- REMOVAL FROM SITE & DISPOSAL OF ALL MATERIAL REMOVED FROM ROOF IS TO BE CONTRACTOR'S FULL RESPONSIBILITY.
- RESTORATION OF THE SITE/TURF AROUND BUILDING, TO INCLUDE ACCESS PATHS, IS TO BE CONTRACTOR'S FULL RESPONSIBILITY.
- 2. INSTALLATION OF NEW SHINGLES:
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  - INDUSTRY STANDARD PRACTICES
  - MANUFACTURER INSTALLATION INSTRUCTIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE & PROTECT ANY ROOF APPURTENANCES THAT ARE NOT PART OF THE ROOF SYSTEM & TO REINSTALL AFTER NEW ROOF SYSTEM HAS BEEN INSTALLED. CONTRACTOR TO COORDINATE WITH CITY PRIOR TO REMOVAL.
- CONTRACTOR TO PROVIDE ALL REQUIRED COMPONENTS TO INSTALL NEW ROOF TO MATCH EXISTING ROOF INSTALLATION.
  - A. FLASHING
  - B. RIDGE VENT
  - C. EDGE TRIM/FLASHING
  - RAIN DIVERTER AT MAN DOOR ON NORTH ELEVATION. DIRECT WATER TO EAST SIDE OF DOOR.
  - ALL RQUIRED UNDERLAYMENTS TO MATCH EXISTING INSTALLATION, TO INCLUDE ICE & WATER SHIELD MEMBRANE.

#### **BUILDING/SITE INFORMATION**

- ROOF TO BE COVERED WITH A 30 YEAR WARRANTY, CLASS 3 LAMINATED. FIBER-GLASS REINFORCED ARCHITECTURAL ASPHALT COMPOSITION SHINGLE SYSTEM. PROVIDE CERTIFIED WARRANY DOCUMENTS TO OWNER AFTER INSTALLATION.
- A. TOTAL SQUARE FOOTAGE OF ROOF = 2,758 SF
- B. WASTE FACTOR NOT INCLUDED. REFERENCE 'HOVER' REPORT FOR WASTE FACTOR CALCULATIONS.
- HEIGHT OF SOFFIT ABOVE GRADE:
- A. NORTH & SOUTH SIDES OF BUILDING: 8' 0"
- ROOF APPURTENANCES: (SEE ROOF PLAN FOR LOCATIONS)
- A. (1) FURNACE EXHAUST FLUES
- BUILDING IS CLEAR OF OBSTRUCTIONS THE FULL PERIMETER AT GRADE. THERE ARE TREES LOCATED CLOSE TO THE ROOF AT THE NE CORNER.
- SEE APPENDIX A-1 FOR HOVER REPORT:
  - A. DETAILED MEASUREMENTS.
- B. ROOF SLOPES
- GOOGLE MAPS LOCATION:
  - A. 14126 DAGGETT PINE ROD, CROSSLAKE, MN 56442

PARKS/REC GARAGE KEY LEGEND			
Key #	Description		
1	EXISTING PVC VENT PIPE - 3 1/2" OD. PROVIDE NEW BOOT PER INDUSTRY STANDARDS.		
2	ASPHALT SHINGLE ROOF		
3	CONTINUOUS RIDGE VENT TO MATCH EXISTING IN EXTENTS. RIDGE VENT TO HAVE 18 SQ.INCH./FT VENTING MINIMUM.		
4	PREFINISHED ALUMINUM RAIN DIVERTER ALIGNED WITH MAN DOOR BELOW. COLOR TO MATCH FLASHING COLOR OF ROOF.		





4215 Campus Drive Aurora, Illinois 60504

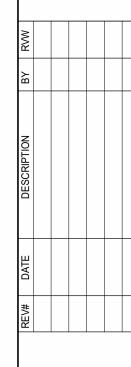
> PROJECT LOCATION CITY OF CROSSLAKE

630-851-4566 Phone

ESI PROJECT NO.

106486

ORIGINAL ISSUE 10 SEPT 2024



GARAGE PARKS/REC

OF CROSSLAKE, MN / CLAIM REF NO. CMC 13888 Daggett Bay Road Crosslake, MN 56442

LOCATION #8

# **HOVER REPORTS**

**COMMUNITY CENTER WARMING HOUSE LIONS PICNIC SHELTER** PARKS/REC GARAGE

4215 Campus Drive Aurora, Illinois 60504

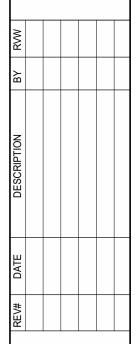
630-851-4566 Phone PROJECT LOCATION

CITY OF CROSSLAKE

ESI PROJECT NO.

106486

ORIGINAL ISSUE 6 SEPT 2024



**APPENDIX** 

CITY OF CROSSLAKE, MN / CLAIM REF NO. CMC 1002203-8





VIEW 3D MODEL



# 14126 Daggett Pine Road, Crossla... **SUMMARY**

Areas	Siding	Other
Facades	4232 ft <sup>2</sup>	4299 ft <sup>2</sup>
Openings	1040 ft <sup>2</sup>	911 ft²
Trims*	158 ft²	-
Unknown (no photos)*	-	32 ft²
Total	5430 ft²	5242 ft²

<sup>\*</sup>Any trim or unknown material that touches siding is included in the 'Siding' column. If it does not touch siding, then it's included in the 'Other' column.

Openings	Siding	Other
Quantity	12	83
Tops Length	265′ 2″	51′ 5″
Sills Length	64′ 11″	243′
Sides Length	175′ 1″	335′ 10″
Total Perimeter	505′ 2″	630′ 3″

Corners	Siding	Other
Inside Qty	3	4
Inside Length	29′ 11″	42′ 5″
Outside Qty	9	7
Outside Length	63′ 9″	63′ 9″

Accessories	Siding	Other
Shutter Qty	0	0
Shutter Area	O ft²	O ft²
Vents Qty	4	1
Vents Area	10 ft²	5 ft²

Trim	Siding	Other
Level Starter	418′ 4″	588′ 10″
Sloped Trim	73′ 1″	5"
Vertical Trim	2′ 1″	15′ 4″

Roofline	Length	Avg. Depth	Soffit Area
Eaves Fascia	429′ 7″	-	-
Level Frieze Board	388′ 5″	4′ 2″	822 ft²
Rakes Fascia	326′ 8″	-	-
Sloped Frieze Board	310′ 10″	1′ 9″	565 ft <sup>2</sup>

## **SIDING WASTE TOTALS**

Siding & Trim Only*	Area	Squares
Zero Waste	4387 ft²	44
+10%	4830 ft <sup>2</sup>	481/2
+18%	5183 ft <sup>2</sup>	52

+ Openings < 20ft <sup>2</sup>	Area	Squares
Zero Waste	5359 ft <sup>2</sup>	53¾
+10%	5898 ft <sup>2</sup>	59
+18%	6329 ft <sup>2</sup>	631/2

+ Openings < 33ft <sup>2</sup>	Area	Squares
Zero Waste	5387 ft <sup>2</sup>	54
+10%	5929 ft <sup>2</sup>	59½
+18%	6362 ft <sup>2</sup>	63¾

<sup>\*</sup>The first three rows of the Siding Waste Factor table are calculated using the total ft2 of siding facades, ft<sup>2</sup> of trim touching siding, and ft<sup>2</sup> of unknowns touching siding.

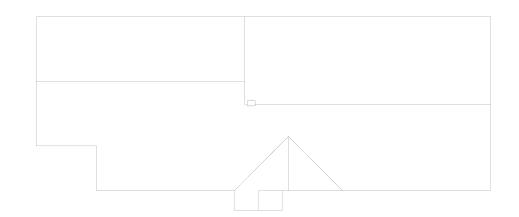




# 14126 Daggett Pine Road, Crossla... **ROOF SUMMARY**

Roof	Area	Total	Length
Roof Facets	21447 ft <sup>2</sup>	8	-
Ridges / Hips	-	6	263′ 2″
Valleys	-	2	80′ 7″
Rakes	-	15	326′ 8″
Eaves	-	9	429′ 7″
Flashing	-	8	8′ 4″
Step Flashing	-	17	75′ 2″
Drip Edge/Perimeter	-	-	756′ 3″

Roof Pitch*	Area	Percentage
5 / 12	21447 ft²	100%



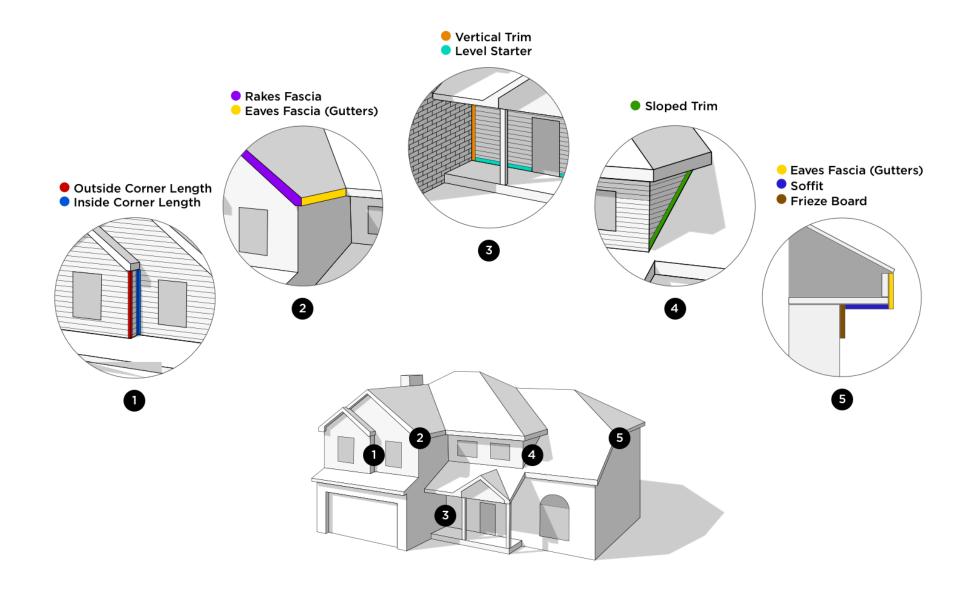
#### **Example Waste Factor Calculations**

	Zero Waste	+5%	+10%	+15%	+20%
Area	21447 ft <sup>2</sup>	22519 ft <sup>2</sup>	23592 ft <sup>2</sup>	24664 ft²	25736 ft <sup>2</sup>
Squares	2143/3	225⅓	236	246¾	257¾

The table above provides the total roof area of a given property using waste percentages as noted. Please consider that area values and specific waste factors can be influenced by the size and complexity of the property, captured image quality, specific roofing techniques, and your own level of expertise. Additional square footage for Hip, Ridge, and Starter shingles are not included in this waste factor and will require additional materials. This table is only intended to make common waste calculations easier and should not be interpreted as recommendations.



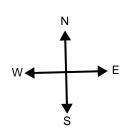






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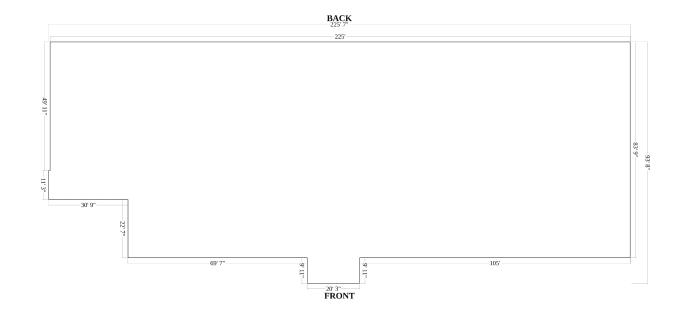




Number of Stories: 1

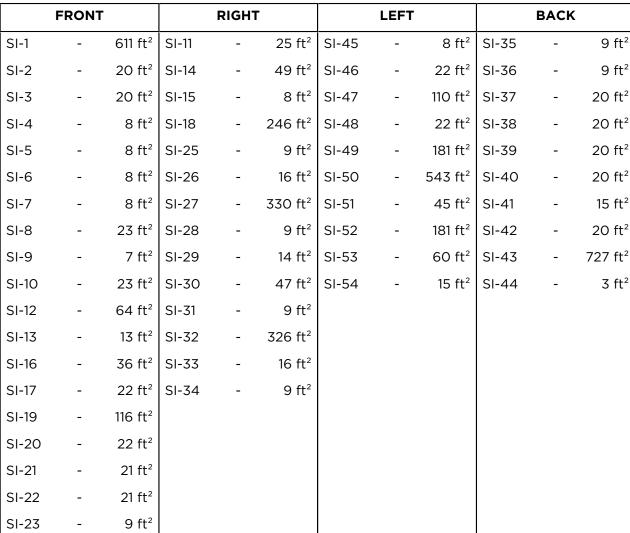
Footprint Perimeter: 638' 5"

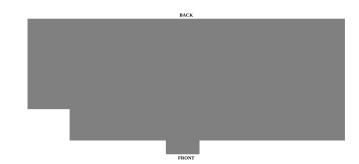
Footprint Area: 18363 ft<sup>2</sup>



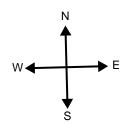
# 14126 Daggett Pine Road, Crossla... SIDING PER ELEVATION

#### **Siding Per Elevation**





#### Number of Stories: 1

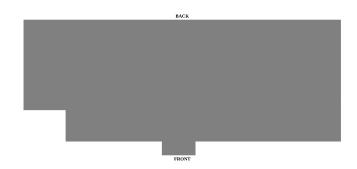




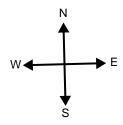
# 14126 Daggett Pine Road, Crossla... SIDING PER ELEVATION

#### **Siding Per Elevation (cont.)**

FRONT	RIGHT	LEFT	ВАСК
SI-24 - 9 ft	2		
1069 ft²	1113 ft²	1187 ft²	863 ft <sup>2</sup>



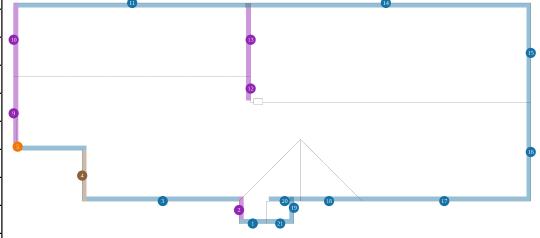
#### Number of Stories: 1





#### **Soffit Summary**

	Depth	Type	Count	Total Length	Total Area
	1" - 6"	rakes	2	13′ 2″	5 ft²
		eaves	2	1′ 1″	O ft²
	18" - 24"	rakes	6	164′ 4″	320 ft <sup>2</sup>
		eaves	5	377′ 8″	754 ft²
		-	2	30′ 2″	60 ft <sup>2</sup>
	24" - 48"	rakes	4	117′ 8″	240 ft <sup>2</sup>
		eaves	1	9′ 11″	20 ft <sup>2</sup>
	> 48"	eaves	1	1′ 11″	47 ft <sup>2</sup>
•		,	Totals	716′	1447 ft <sup>2</sup>





# 14126 Daggett Pine Road, Crossla...

#### **Soffit Breakdown**

	num	Туре	Depth	Length	Area	Pitch
	1	rake	24"	13′ 3″	26 ft <sup>2</sup>	5 / 12
	2	eave	24"	9′ 11″	20 ft <sup>2</sup>	5 / 12
	3	eave	24"	67′ 6″	135 ft²	5 / 12
	4	eave	294"	1′ 11″	47 ft <sup>2</sup>	5 / 12
	5	eave	5"	7"	O ft <sup>2</sup>	5 / 12
Ø	6	rake	4"	6′ 7″	2 ft²	5 / 12
Ø	7	eave	5"	7"	O ft²	5 / 12
Ø	8	rake	4"	6′ 7″	2 ft <sup>2</sup>	5 / 12
	9	rake	25"	35′ 5″	72 ft <sup>2</sup>	5 / 12
	10	rake	25"	35′ 5″	72 ft²	5 / 12
	11	eave	24"	100′ 10″	201 ft <sup>2</sup>	5 / 12
	12	rake	25"	11′ 6″	24 ft²	5 / 12
	13	rake	25"	35′ 5″	72 ft²	5 / 12
	14	eave	24"	124′ 6″	249 ft <sup>2</sup>	5 / 12
	15	rake	23"	48′	91 ft²	5 / 12
	16	rake	23"	47′ 3″	90 ft <sup>2</sup>	5 / 12
	17	eave	24"	74′ 10″	149 ft <sup>2</sup>	5 / 12
	18	rake	24"	27′ 5″	55 ft²	5 / 12
	19	eave	24"	9′ 11″	20 ft <sup>2</sup>	5 / 12

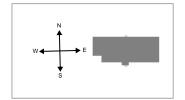
	num	Туре	Depth	Length	Area	Pitch
	20	rake	24"	15′ 3″	31 ft <sup>2</sup>	5 / 12
	21	rake	24"	13′ 2″	26 ft <sup>2</sup>	5 / 12
Ø	22	-	24"	1′ 11″	4 ft <sup>2</sup>	5 / 12
Ø	23	-	24"	28′ 4″	57 ft <sup>2</sup>	5 / 12

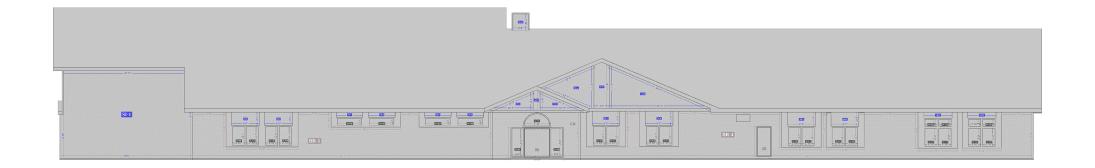
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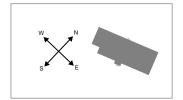
# 14126 Daggett Pine Road, Crossla... **FRONT**







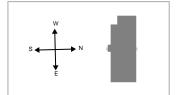


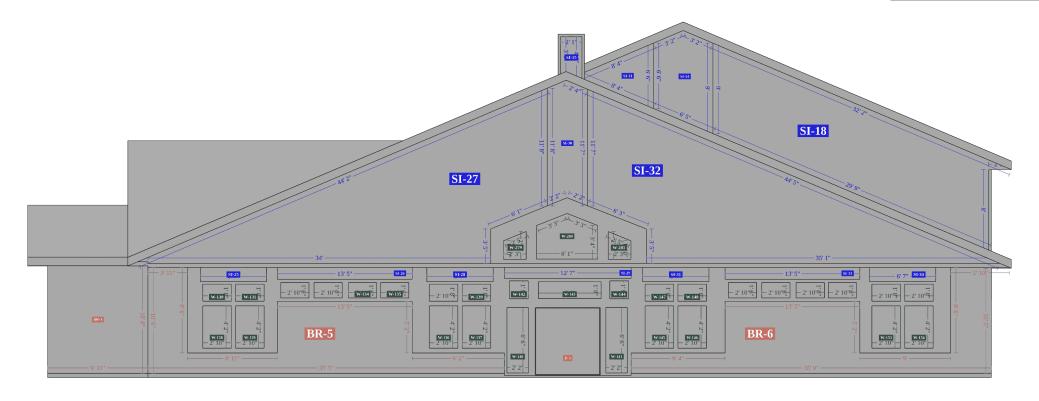






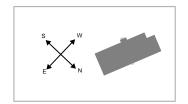


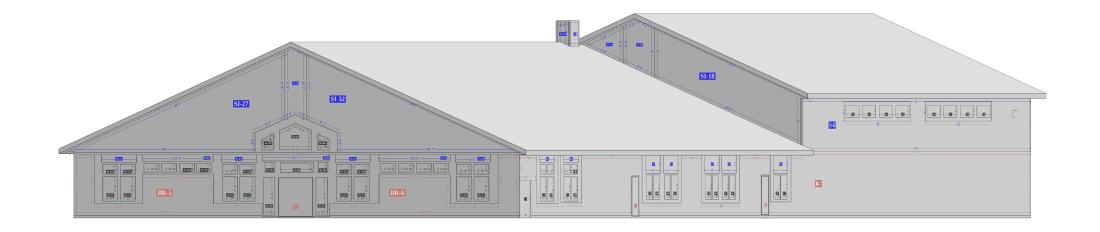






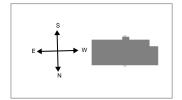


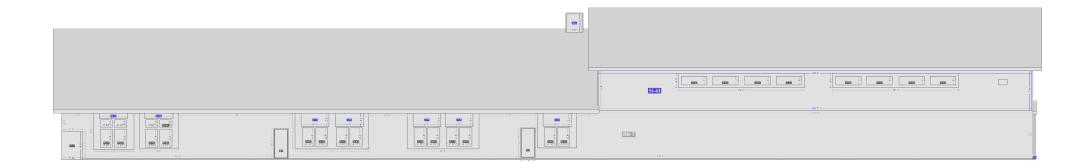






# 14126 Daggett Pine Road, Crossla... **BACK**

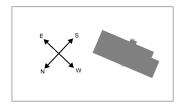


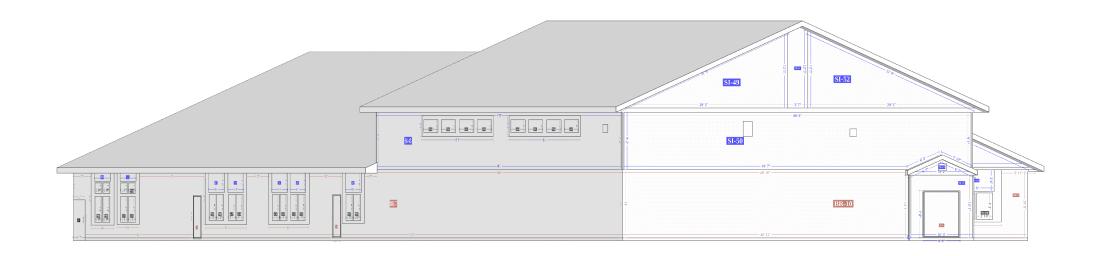






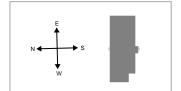


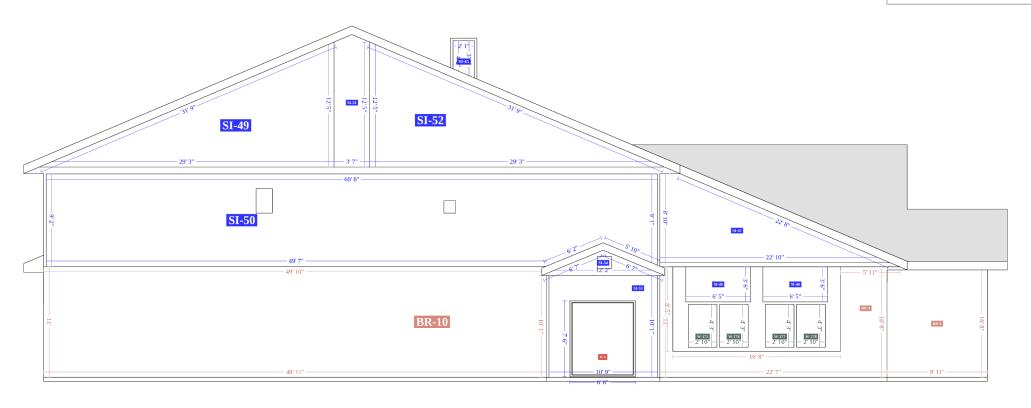






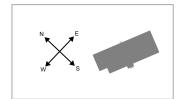










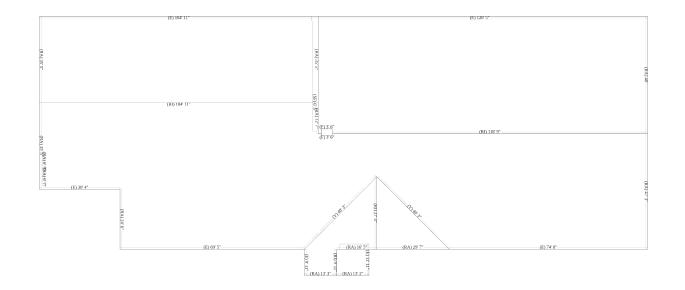






Roof	Length
Ridges (RI)	263′ 2″
Hips (H)	-
Valleys (V)	80′ 7″
Rakes (RA)	326′ 8″
Eaves (E)	429' 7"
Flashing (F)*	8′ 4″
Step Flashing (SF)*	75′ 2″
Transition Line (TL)	-

<sup>\*</sup>Please view the 3D model for more detail (e.g. flashing, step flashing and some other roof lines may be difficult to see on the PDF)

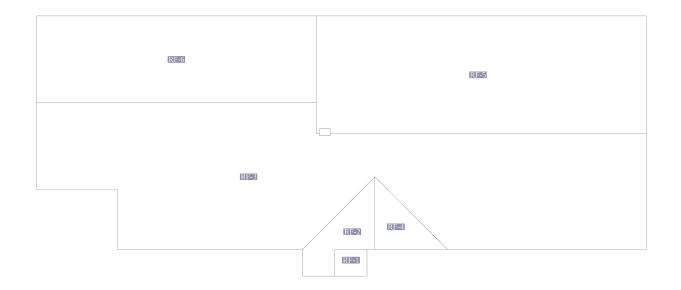






#### **Roof Facets**

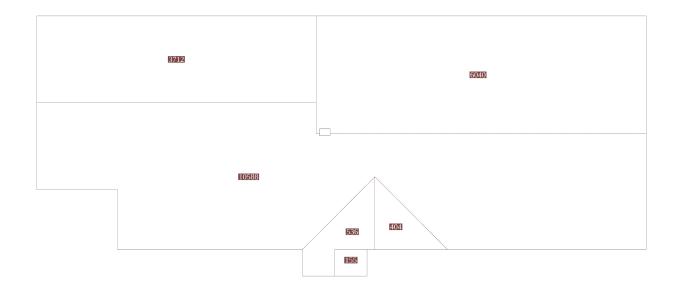
Facet	Area	Pitch	
RF-1	155 ft²	5/12	
RF-2	536 ft²	5/12	
RF-3	10588 ft²	5/12	
RF-4	404 ft <sup>2</sup>	5/12	
RF-5	6040 ft <sup>2</sup>	5/12	
RF-6	3712 ft²	5/12	
RF-7	6 ft²	5/12	
RF-8	6 ft²	5/12	







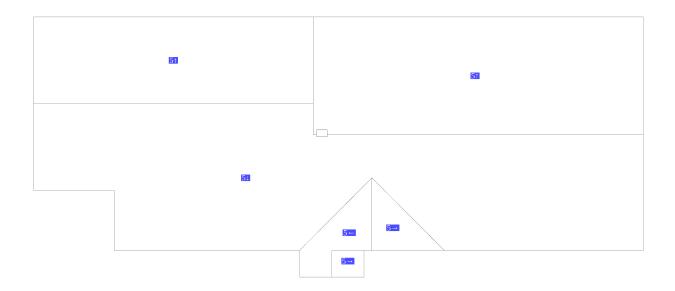
Roof	Facets	Total	
Total	8	21447 ft <sup>2</sup>	







Roof Pitch	Area	Percentage	
5 / 12	21447 ft <sup>2</sup>	100%	



















PROPERTY ID: 13323201

COMMUNITY CENTER

20 AUG 2024

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14126 Daggett Pine Road, Crossla... **PHOTOS** 













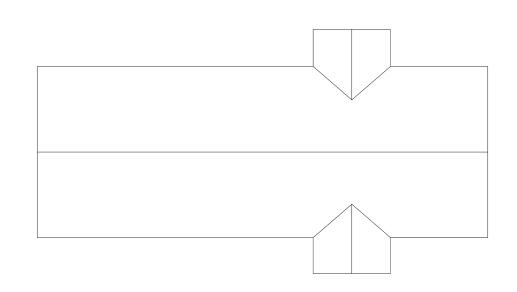
VIEW 3D MODEL



# 14126 Daggett Pine Road, Crossla... **ROOF SUMMARY**

Roof	Area	Total	Length
Roof Facets	2314 ft²	6	-
Ridges / Hips	-	3	96′ 2″
Valleys	-	4	34′ 1″
Rakes	-	8	85′ 2″
Eaves	-	8	145′ 4″
Flashing	-	0	-
Step Flashing	-	4	-
Drip Edge/Perimeter	-	-	230′ 6″

Roof Pitch*	Area	Percentage	
4 / 12	2314 ft²	100%	



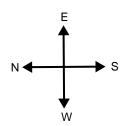
### **Example Waste Factor Calculations**

	Zero Waste	+5%	+10%	+15%	+20%
Area	2314 ft²	2430 ft <sup>2</sup>	2545 ft²	2661 ft <sup>2</sup>	2777 ft²
Squares	231/3	241/3	25¾	26¾	28

The table above provides the total roof area of a given property using waste percentages as noted. Please consider that area values and specific waste factors can be influenced by the size and complexity of the property, captured image quality, specific roofing techniques, and your own level of expertise. Additional square footage for Hip, Ridge, and Starter shingles are not included in this waste factor and will require additional materials. This table is only intended to make common waste calculations easier and should not be interpreted as recommendations.



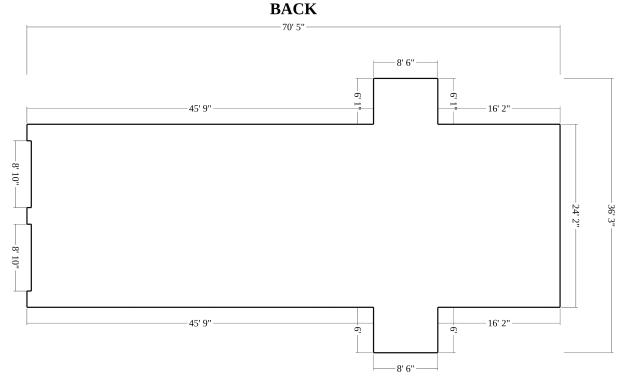




Number of Stories: 1

Footprint Perimeter: 215' 6"

Footprint Area: 1793 ft<sup>2</sup>



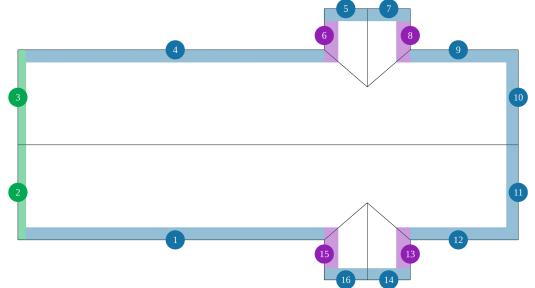
**FRONT** 





### **Soffit Summary**

	Depth	Type	Count	Total Length	Total Area
	12" - 18"	rakes	2	29′ 5″	36 ft²
	18" - 24"	rakes	6	55′ 9″	98 ft²
		eaves	4	115′ 7″	214 ft²
	24" - 48"	eaves	4	24′ 1″	50 ft²
•		· · · · · · · · · · · · · · · · · · ·	Totals	224′ 10″	397 ft <sup>2</sup>





### **Soffit Breakdown**

num	Type	Depth	Length	Area	Pitch
1	eave	22"	43′ 8″	81 ft <sup>2</sup>	4 / 12
2	rake	15"	14′ 9″	18 ft²	4 / 12
3	rake	15"	14′ 9″	18 ft²	4 / 12
4	eave	22"	43′ 8″	81 ft²	4 / 12
5	rake	22"	6′ 7″	12 ft²	4 / 12
6	eave	25"	6′ 1″	12 ft²	4 / 12
7	rake	22"	6′ 7″	12 ft²	4 / 12
8	eave	25"	6′ 1″	12 ft²	4 / 12
9	eave	22"	14′ 1″	26 ft <sup>2</sup>	4 / 12
10	rake	21"	14′ 9″	26 ft <sup>2</sup>	4 / 12
11	rake	21"	14′ 9″	26 ft <sup>2</sup>	4 / 12
12	eave	22"	14′ 1″	26 ft <sup>2</sup>	4 / 12
13	eave	25"	6′	12 ft²	4 / 12
14	rake	21"	6′ 7″	11 ft²	4 / 12
15	eave	25"	6′	12 ft²	4 / 12
16	rake	21"	6′ 7″	11 ft²	4 / 12



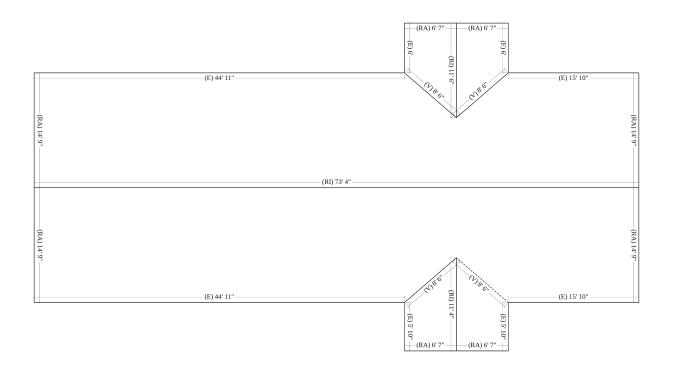
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Roof	Length
Ridges (RI)	96′ 2″
Hips (H)	-
Valleys (V)	34′ 1″
Rakes (RA)	85′ 2″
Eaves (E)	145′ 4″
Flashing (F)*	-
Step Flashing (SF)*	-
Transition Line (TL)	-

<sup>\*</sup>Please view the 3D model for more detail (e.g. flashing, step flashing and some other roof lines may be difficult to see on the PDF)

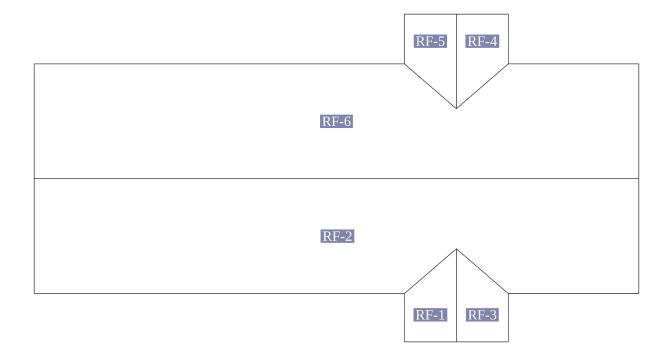






### **Roof Facets**

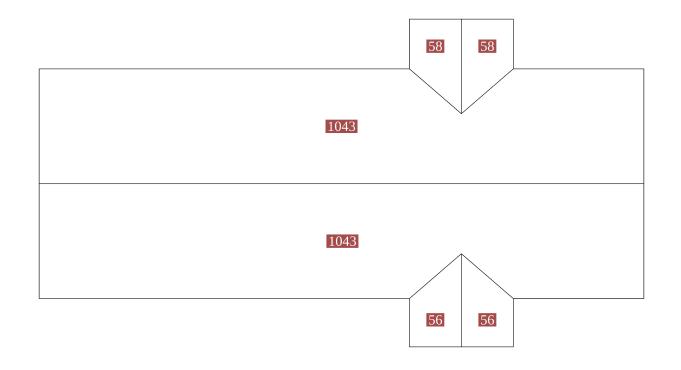
Facet	Area	Pitch
RF-1	56 ft²	4/12
RF-2	1043 ft <sup>2</sup>	4/12
RF-3	56 ft²	4/12
RF-4	58 ft²	4/12
RF-5	58 ft²	4/12
RF-6	1043 ft <sup>2</sup>	4/12







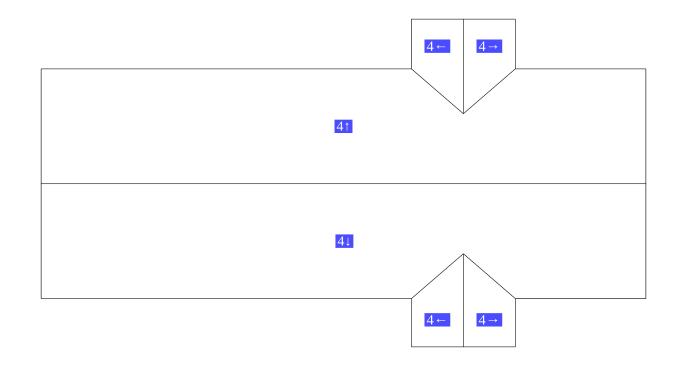
Roof	Facets	Total
Total	6	2314 ft²







Roof Pitch	Area	Percentage	
4 / 12	2314 ft²	100%	

































VIEW 3D MODEL



## 14126 Daggett Pine Road, Crossla... **ROOF SUMMARY**

Roof	Area	Total	Length
Roof Facets	2854 ft <sup>2</sup>	2	-
Ridges / Hips	-	1	57′ 10″
Valleys	-	0	-
Rakes	-	4	99′ 8″
Eaves	-	2	113′ 7″
Flashing	-	0	-
Step Flashing	-	0	-
Drip Edge/Perimeter	-	-	213′ 3″

Roof Pitch*	Area	Percentage	
6 / 12	2854 ft <sup>2</sup>	100%	

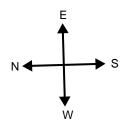
## **Example Waste Factor Calculations**

	Zero Waste	+5%	+10%	+15%	+20%
Area	2854 ft <sup>2</sup>	2997 ft²	3139 ft <sup>2</sup>	3282 ft <sup>2</sup>	3425 ft <sup>2</sup>
Squares	28¾	30	31%	33	341/3

The table above provides the total roof area of a given property using waste percentages as noted. Please consider that area values and specific waste factors can be influenced by the size and complexity of the property, captured image quality, specific roofing techniques, and your own level of expertise. Additional square footage for Hip, Ridge, and Starter shingles are not included in this waste factor and will require additional materials. This table is only intended to make common waste calculations easier and should not be interpreted as recommendations.



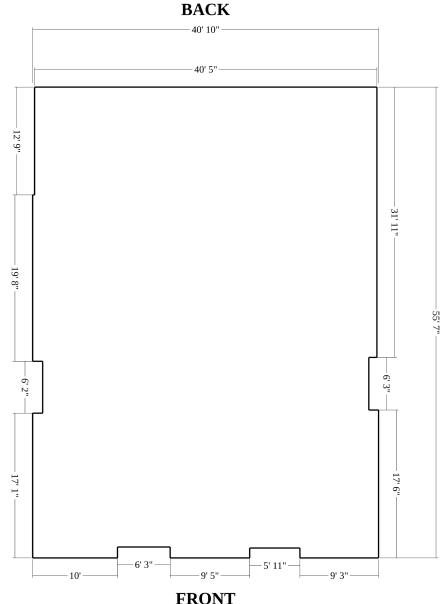




Number of Stories: 1

Footprint Perimeter: 202' 2"

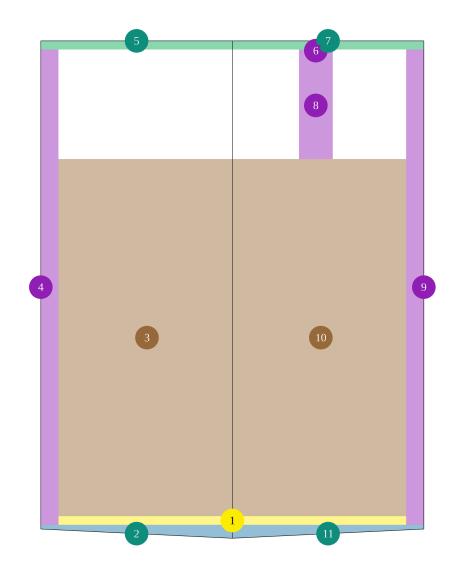
Footprint Area: 2234 ft<sup>2</sup>





### **Soffit Summary**

Depth	Type	Count	Total Length	Total Area
6" - 12"	eaves	1	40′ 5″	40 ft²
12" - 18"	rakes	2	49′ 10″	50 ft²
18" - 24"	rakes	2	49′ 10″	51 ft²
24" - 48"	eaves	4	123′ 4″	277 ft²
> 48"	eaves	2	83′ 1″	1715 ft²
		Totals	346′ 6″	2133 ft <sup>2</sup>



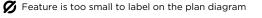


14126 Daggett Pine Road, Crossla...

### **Soffit Breakdown**

num	Туре	Depth	Length	Area	Pitch
1	eave	12"	40′ 5″	40 ft <sup>2</sup>	6 / 12
2	rake	19"	24′ 11″	26 ft <sup>2</sup>	6 / 12
3	eave	252"	41′ 7″	872 ft <sup>2</sup>	6 / 12
4	eave	25"	55′ 3″	113 ft²	6 / 12
5	rake	12"	24′ 11″	25 ft <sup>2</sup>	6 / 12
6	eave	47"	3"	1 ft²	6 / 12
7	rake	12"	24′ 11″	25 ft <sup>2</sup>	6 / 12
8	eave	47"	12′ 6″	49 ft²	6 / 12
9	eave	25"	55′ 3″	113 ft²	6 / 12
10	eave	243"	41′ 7″	842 ft <sup>2</sup>	6 / 12
11	rake	19"	24′ 11″	26 ft <sup>2</sup>	6 / 12



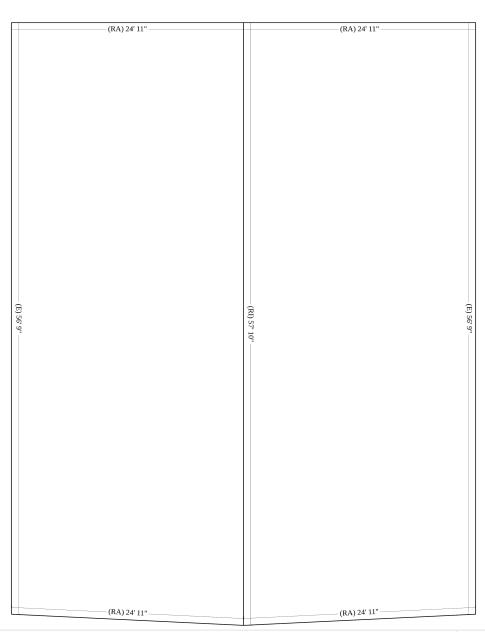




# 14126 Daggett Pine Road, Crossla... **ROOF MEASUREMENTS**

Roof	Length
Ridges (RI)	57′ 10″
Hips (H)	-
Valleys (V)	-
Rakes (RA)	99′ 8″
Eaves (E)	113′ 7″
Flashing (F)*	-
Step Flashing (SF)*	-
Transition Line (TL)	-

<sup>\*</sup>Please view the 3D model for more detail (e.g. flashing, step flashing and some other roof lines may be difficult to see on the PDF)

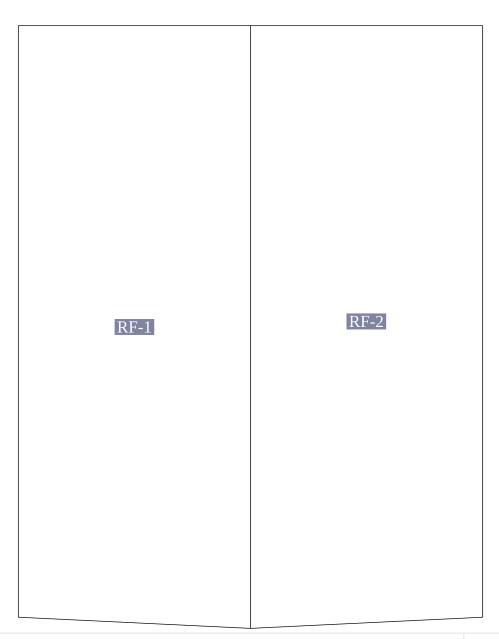




# 14126 Daggett Pine Road, Crossla... **ROOF FACETS**

### **Roof Facets**

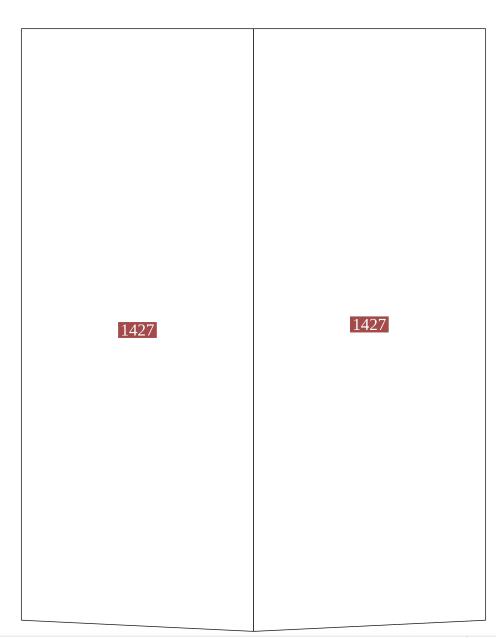
Facet	Area	Pitch
RF-1	1427 ft <sup>2</sup>	6/12
RF-2	1427 ft <sup>2</sup>	6/12





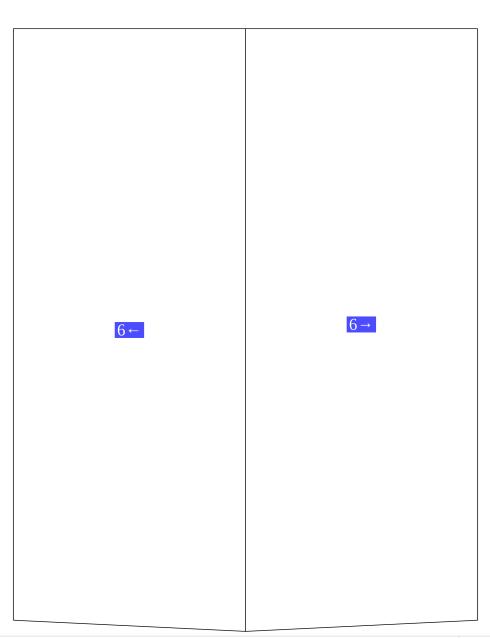


Roof	Facets	Total
Total	2	2854 ft²



# 14126 Daggett Pine Road, Crossla... **ROOF PITCH**

Roof Pitch	Area	Percentage
6 / 12	2854 ft <sup>2</sup>	100%





























VIEW 3D MODEL



## 14126 Daggett Pine Road, Crossla... **ROOF SUMMARY**

Roof	Area	Total	Length
Roof Facets	2758 ft²	2	-
Ridges / Hips	-	1	57′ 5″
Valleys	-	0	-
Rakes	-	4	96′
Eaves	-	2	114′ 11″
Flashing	-	0	-
Step Flashing	-	0	-
Drip Edge/Perimeter	-	-	210′ 11″

Roof Pitch*	Area	Percentage
4 / 12	2758 ft²	100%

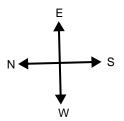
## **Example Waste Factor Calculations**

	Zero Waste	+5%	+10%	+15%	+20%
Area	2758 ft²	2896 ft²	3034 ft <sup>2</sup>	3172 ft <sup>2</sup>	3310 ft <sup>2</sup>
Squares	27%	29	30¾	32	331/3

The table above provides the total roof area of a given property using waste percentages as noted. Please consider that area values and specific waste factors can be influenced by the size and complexity of the property, captured image quality, specific roofing techniques, and your own level of expertise. Additional square footage for Hip, Ridge, and Starter shingles are not included in this waste factor and will require additional materials. This table is only intended to make common waste calculations easier and should not be interpreted as recommendations.



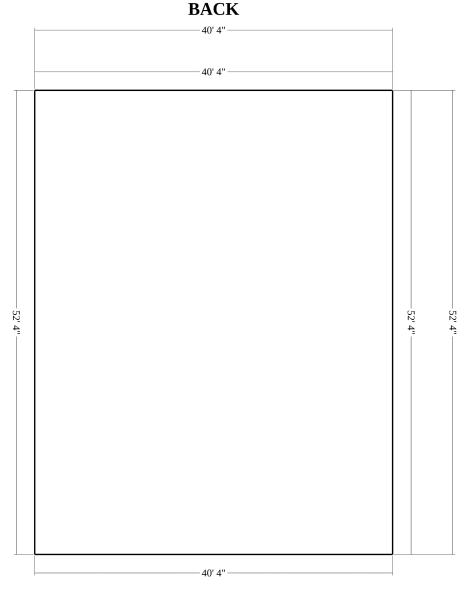




Number of Stories: 1

Footprint Perimeter: 185' 5"

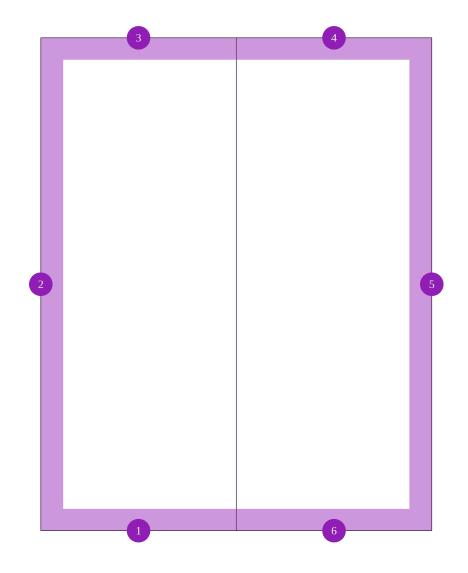
Footprint Area: 2112 ft<sup>2</sup>





### **Soffit Summary**

Depth	Type	Count	Total Length	Total Area
24" - 48"	rakes	4	96′	245 ft <sup>2</sup>
	eaves	2	104′ 8″	273 ft²
	,	Totals	200′ 8″	518 ft²



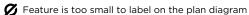


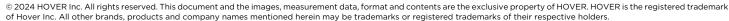


14126 Daggett Pine Road, Crossla...

### **Soffit Breakdown**

num	Туре	Depth	Length	Area	Pitch
1	rake	31"	24′	61 ft <sup>2</sup>	4 / 12
2	eave	31"	52′ 4″	137 ft <sup>2</sup>	4 / 12
3	rake	31"	24′	61 ft <sup>2</sup>	4 / 12
4	rake	31"	24′	61 ft <sup>2</sup>	4 / 12
5	eave	31"	52′ 4″	137 ft²	4 / 12
6	rake	31"	24′	61 ft <sup>2</sup>	4 / 12

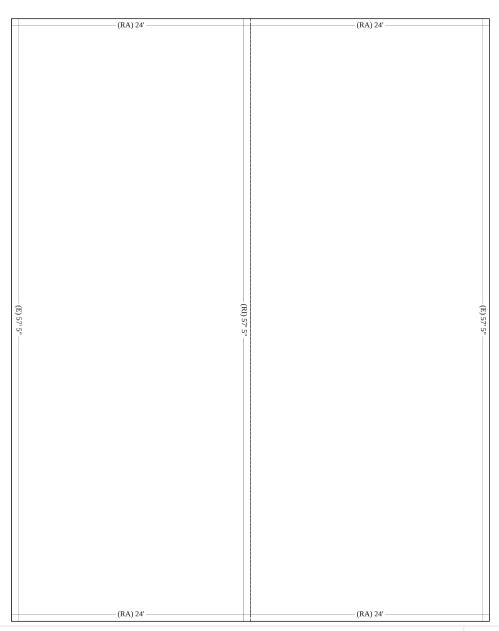




# 14126 Daggett Pine Road, Crossla... **ROOF MEASUREMENTS**

Roof	Length
Ridges (RI)	57′ 5″
Hips (H)	-
Valleys (V)	-
Rakes (RA)	96′
Eaves (E)	114′ 11″
Flashing (F)*	-
Step Flashing (SF)*	-
Transition Line (TL)	-

<sup>\*</sup>Please view the 3D model for more detail (e.g. flashing, step flashing and some other roof lines may be difficult to see on the PDF)



# 14126 Daggett Pine Road, Crossla... **ROOF FACETS**

### **Roof Facets**

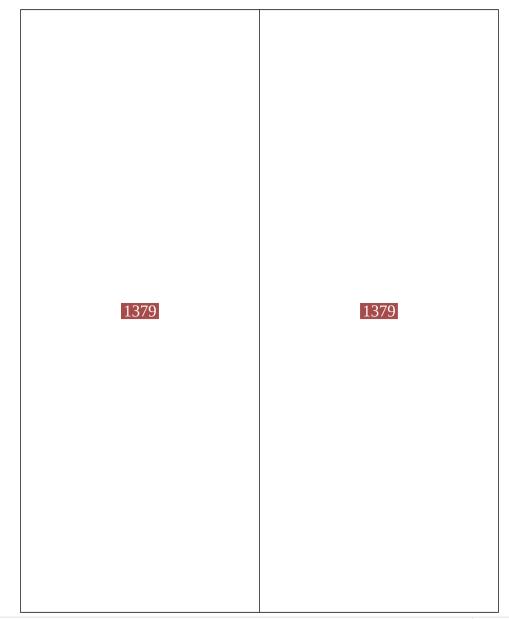
Facet	Area	Pitch
RF-1	1379 ft²	4/12
RF-2	1379 ft²	4/12







Roof	Facets	Total
Total	2	2758 ft <sup>2</sup>





# 14126 Daggett Pine Road, Crossla... **ROOF PITCH**

Roof Pitch	Area	Percentage
4 / 12	2758 ft <sup>2</sup>	100%

