



Complete Measurements

9825 Chowen Avenue South  
Minneapolis, MN 55431



[VIEW 3D MODEL](#)



## Complete Measurements

Areas	Siding	Other
Facades	1829 ft <sup>2</sup>	230 ft <sup>2</sup>
Openings	385 ft <sup>2</sup>	26 ft <sup>2</sup>
Trims*	41 ft <sup>2</sup>	13 ft <sup>2</sup>
Unknown (no photos)*	0 ft <sup>2</sup>	0 ft <sup>2</sup>
Total	2255 ft <sup>2</sup>	269 ft <sup>2</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	15	2
Tops Length	85' 5"	9' 3"
Sills Length	60' 7"	9' 11"
Sides Length	131' 3"	14' 7"
Total Perimeter	277' 3"	33' 10"

Siding Waste Factor*	Area	Squares
Zero Waste	1870 ft <sup>2</sup>	18 <sup>3</sup> / <sub>4</sub>
+10%	2056 ft <sup>2</sup>	20 <sup>3</sup> / <sub>4</sub>
+18%	2205 ft <sup>2</sup>	22 <sup>1</sup> / <sub>4</sub>
With Openings	2024 ft <sup>2</sup>	20 <sup>1</sup> / <sub>4</sub>
Openings +10%	2226 ft <sup>2</sup>	22 <sup>1</sup> / <sub>2</sub>
Openings +18%	2388 ft <sup>2</sup>	24

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

# 9825 Chowen Avenue South,... SUMMARY

Trim	Siding	Other
Level Starter	166'	56' 4"
Sloped Trim	28' 7"	6' 1"
Vertical Trim	51' 2"	139' 1"

Roofline	Length	Avg. Depth	Soffit Area
Eaves Fascia	135' 9"	-	-
Level Frieze Board	131'	2' 11"	400 ft <sup>2</sup>
Rakes Fascia	102' 7"	-	-
Sloped Frieze Board	94' 8"	1' 1"	99 ft <sup>2</sup>

Corners	Siding	Other
Inside Qty	2	-
Inside Length	13' 11"	-
Outside Qty	7	-
Outside Length	60' 2"	-

Accessories	Siding	Other
Shutter Qty	0	0
Shutter Area	0 ft <sup>2</sup>	0 ft <sup>2</sup>
Vents Qty	0	0
Vents Area	0 ft <sup>2</sup>	0 ft <sup>2</sup>



## Complete Measurements

9825 Chowen Avenue South,...  
ROOF SUMMARY

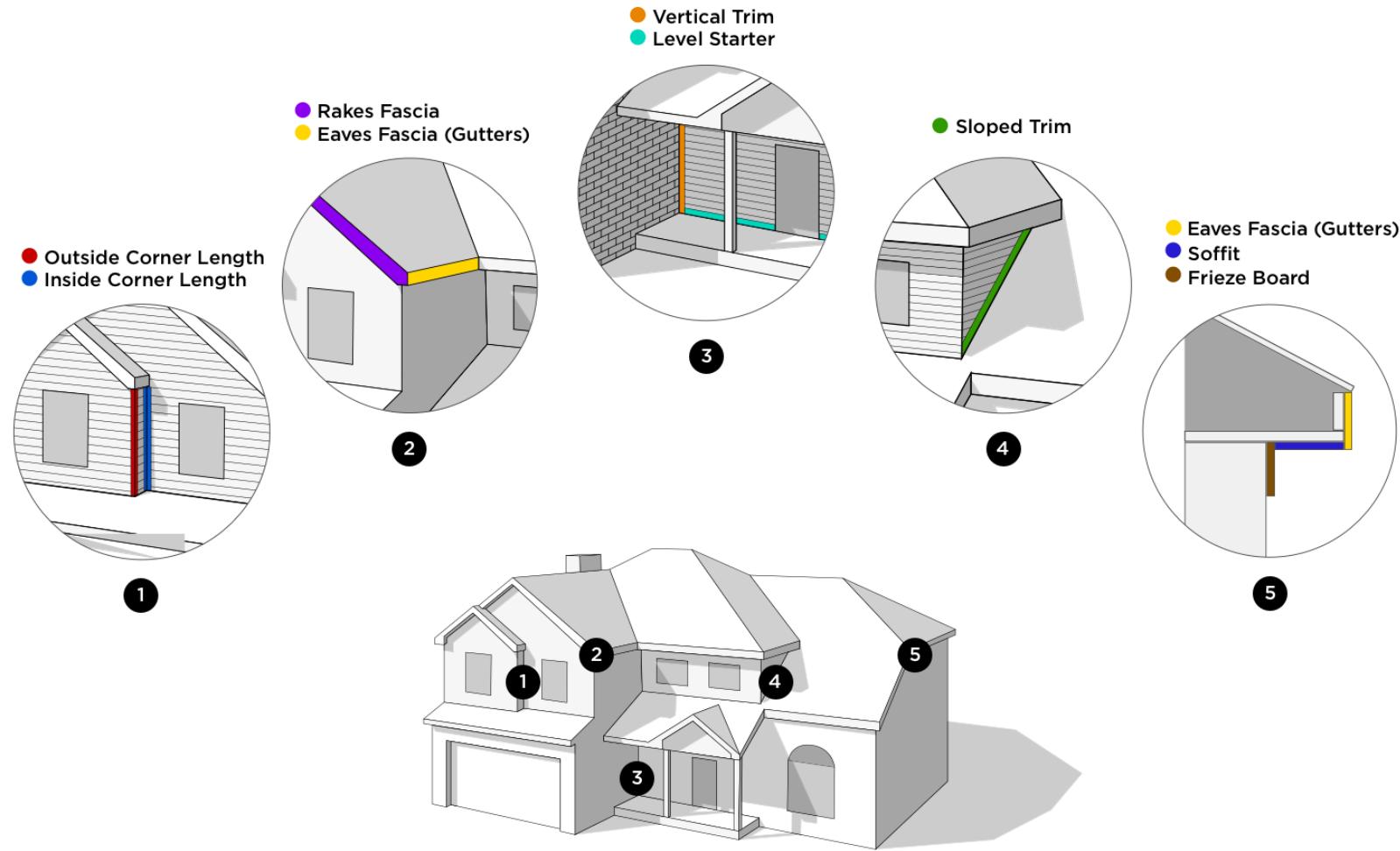
Roof	Area	Total	Length
Roof facets	2389 ft <sup>2</sup>	4	-
Ridges / Hips	-	2	72' 2"
Valleys	-	2	10'
Rakes	-	8	102' 7"
Eaves	-	5	135' 9"
Flashing	-	4	2' 11"
Step Flashing	-	4	26' 8"
Drip Edge/Perimeter	-	-	238' 4"

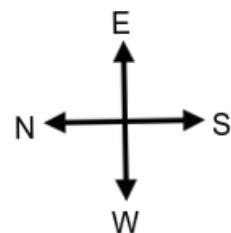
Roof Pitch	Area	Percentage
4/12	2389 ft <sup>2</sup>	100.0%

### Waste Factor Calculation

	Zero Waste	+5%	+10%	+15%	+20%
<b>Area</b>	2389 ft <sup>2</sup>	2508 ft <sup>2</sup>	2628 ft <sup>2</sup>	2747 ft <sup>2</sup>	2867 ft <sup>2</sup>
<b>Squares</b>	24	25½	26½	27½	29

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.

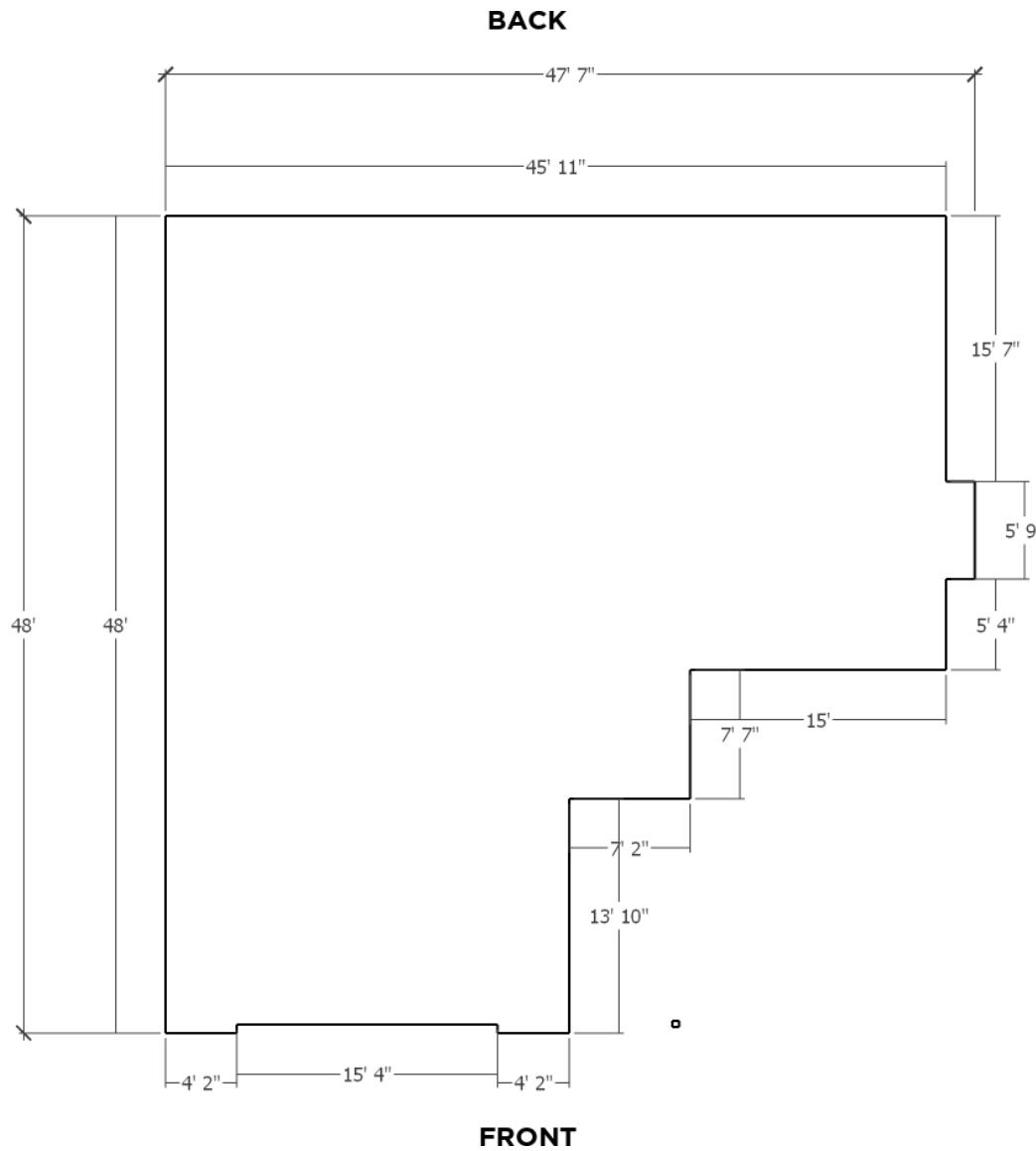


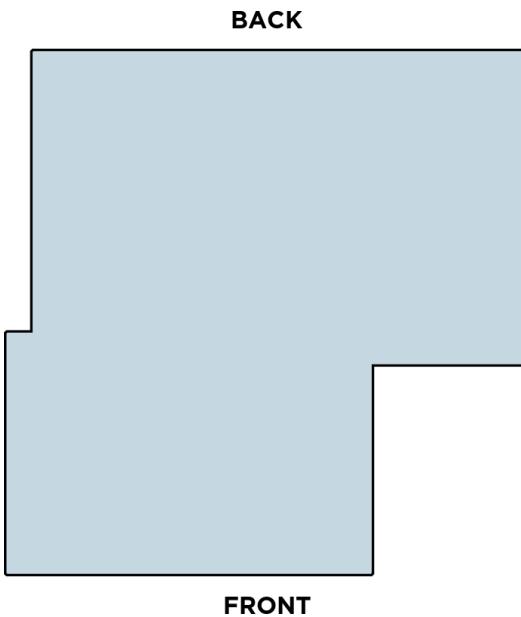


Number of Stories: >1

Footprint Perimeter: 193' 8"

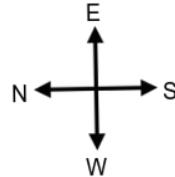
Footprint Area: 1787 ft<sup>2</sup>



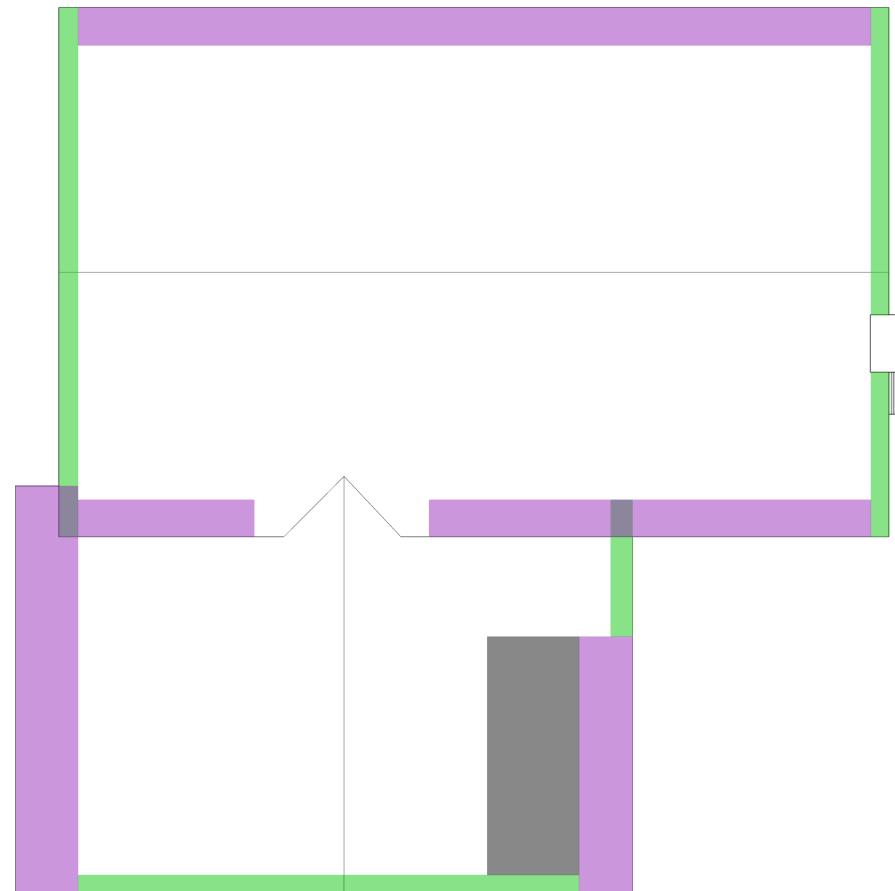


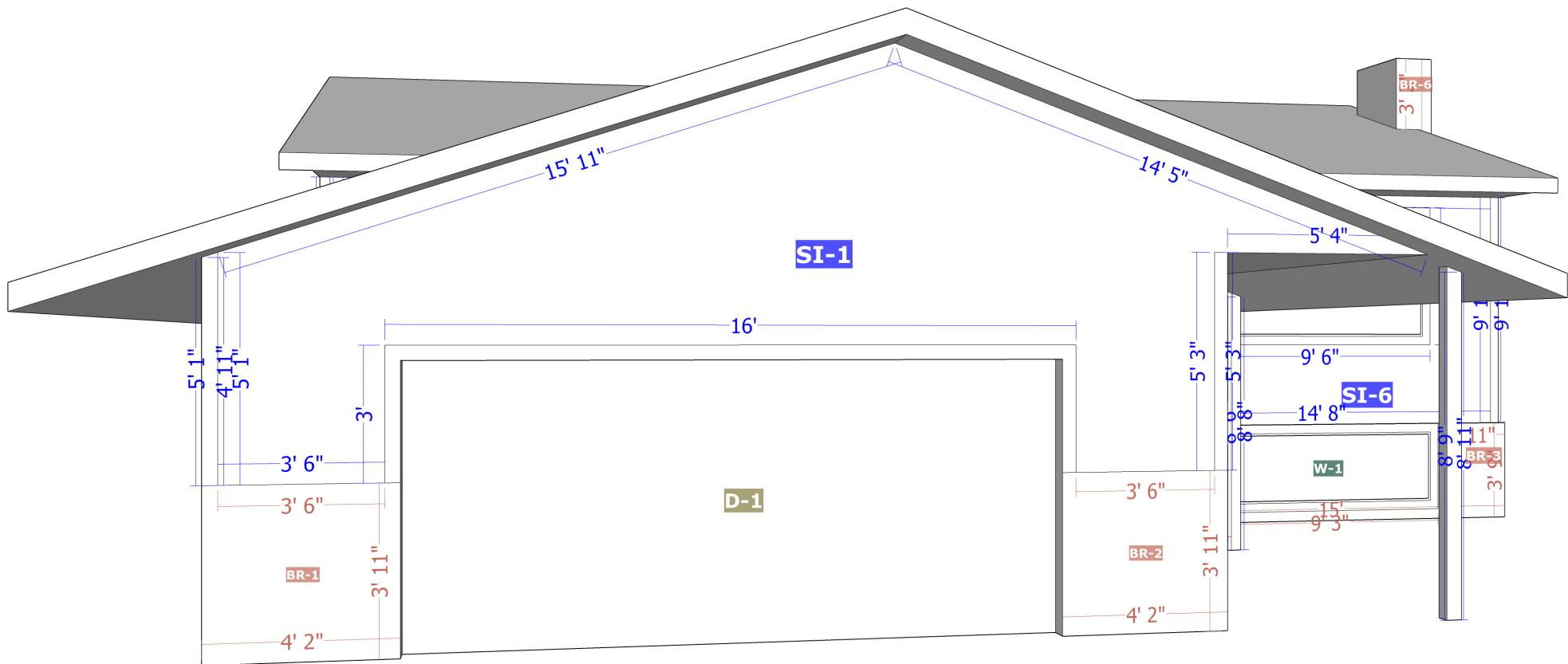
<b>FRONT</b>	<b>RIGHT</b>	<b>LEFT</b>	<b>BACK</b>
SI-1 - 140 ft <sup>2</sup>	SI-3 - 123 ft <sup>2</sup>	SI-10 - 551 ft <sup>2</sup>	SI-9 - 484 ft <sup>2</sup>
SI-2 - 16 ft <sup>2</sup>	SI-5 - 64 ft <sup>2</sup>		
SI-4 - 30 ft <sup>2</sup>	SI-7 - 74 ft <sup>2</sup>		
SI-6 - 100 ft <sup>2</sup>	SI-8 - 247 ft <sup>2</sup>		
<b>286 ft<sup>2</sup></b>	<b>508 ft<sup>2</sup></b>	<b>551 ft<sup>2</sup></b>	<b>484 ft<sup>2</sup></b>

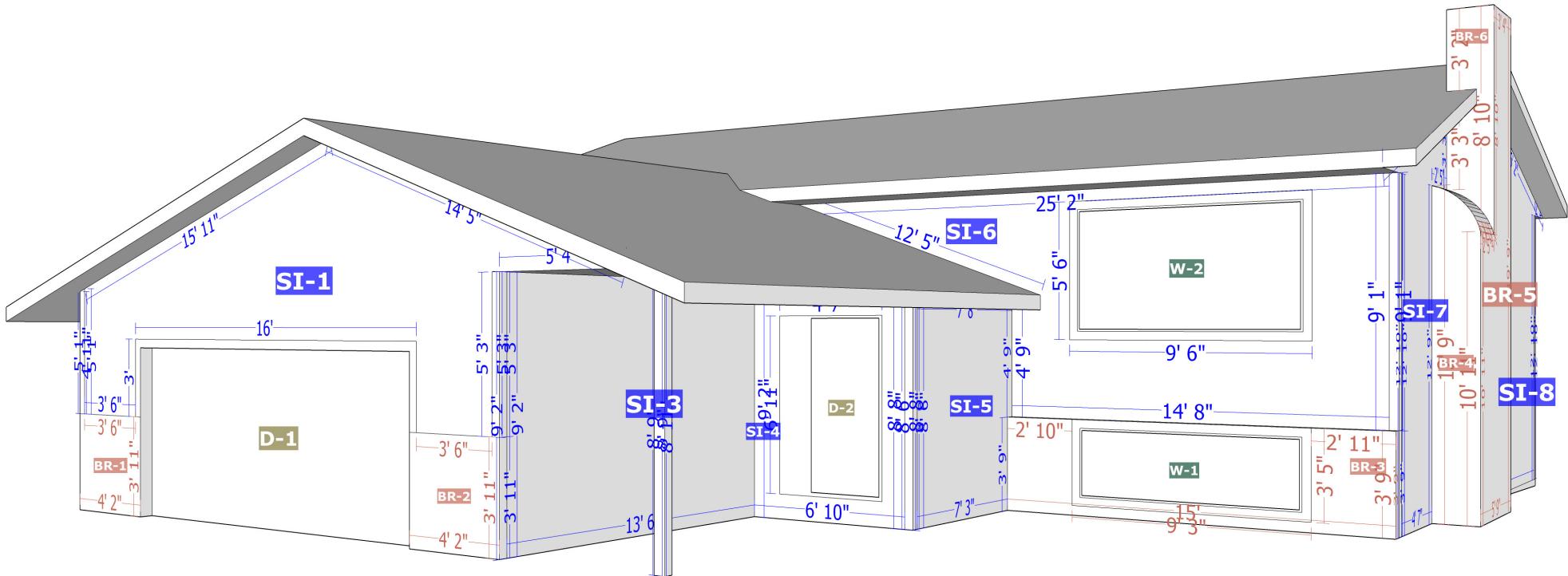
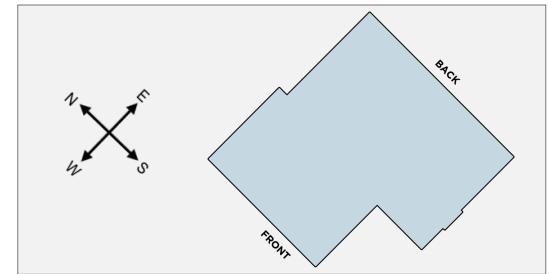
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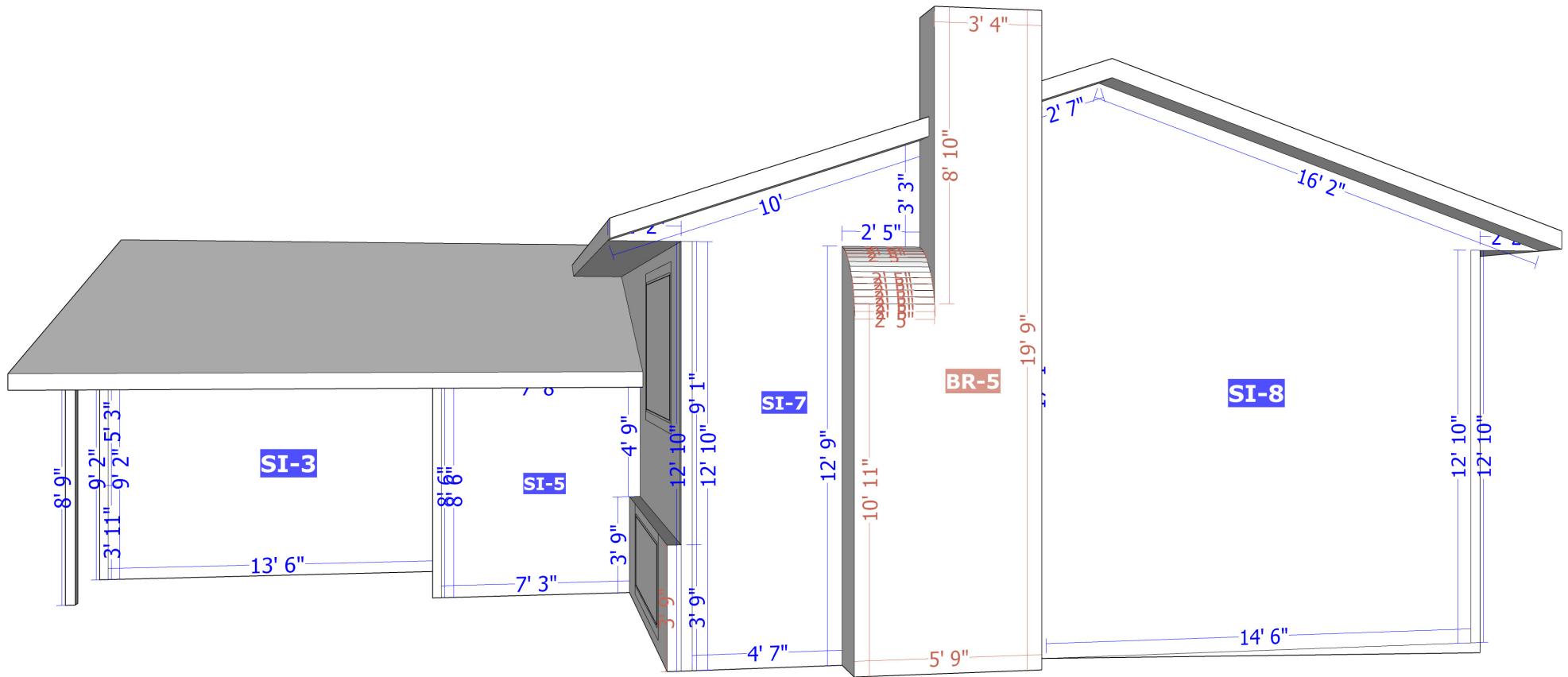


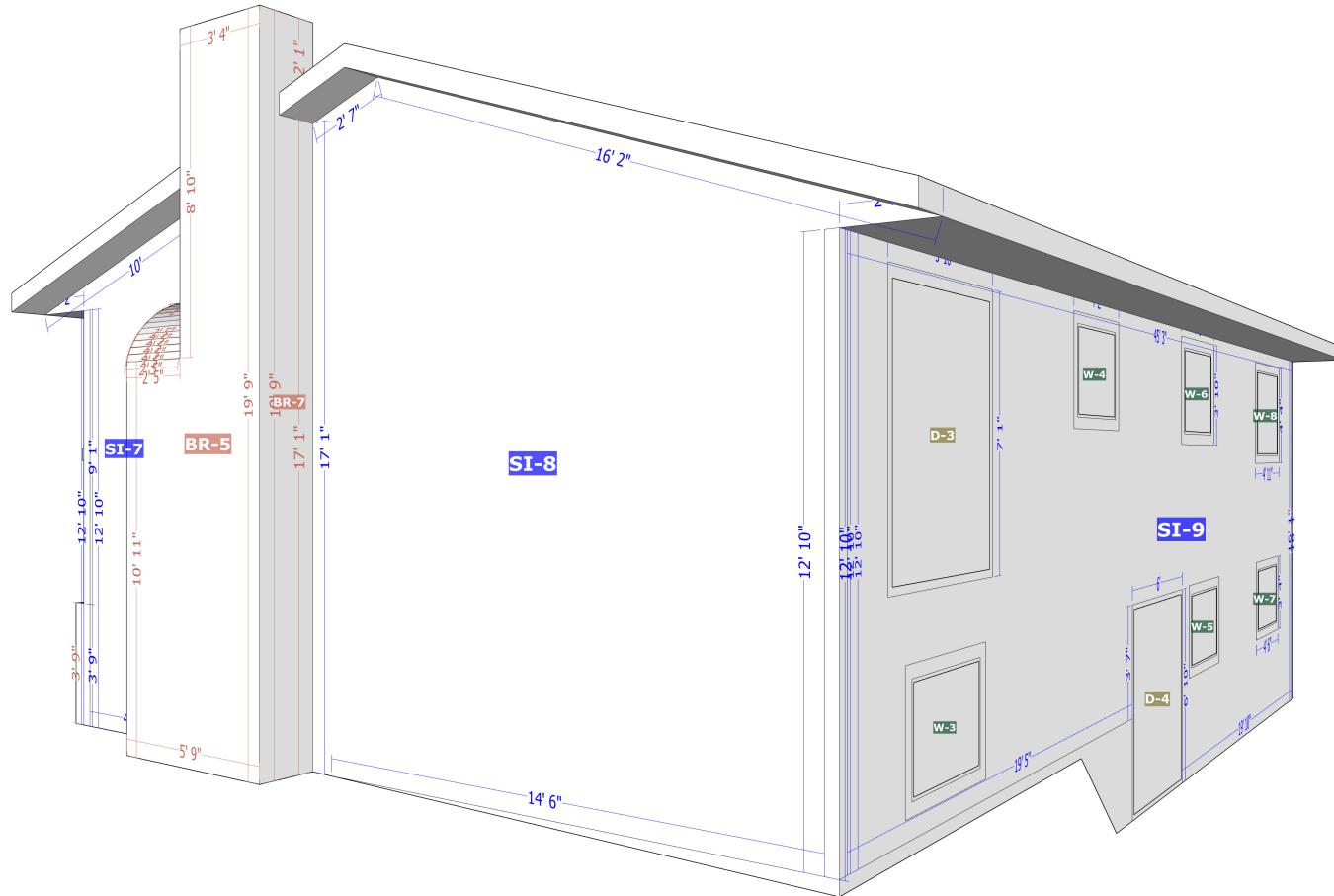
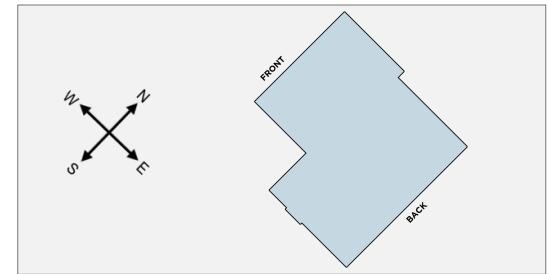
	Type	Depth	# Facets	Total Length	Total Area
<span style="color: green;">█</span>	rake	12" - 18"	7	91' 9"	99 ft <sup>2</sup>
<span style="color: green;">█</span>	eave	12" - 18"	1	8'	11 ft <sup>2</sup>
<span style="color: purple;">█</span>	eave	24" - 48"	5	120'	316 ft <sup>2</sup>
<span style="color: darkgray;">█</span>	eave	> 48"	1	13' 10"	73 ft <sup>2</sup>
<b>Totals</b>				<b>233' 7"</b>	<b>499 ft<sup>2</sup></b>









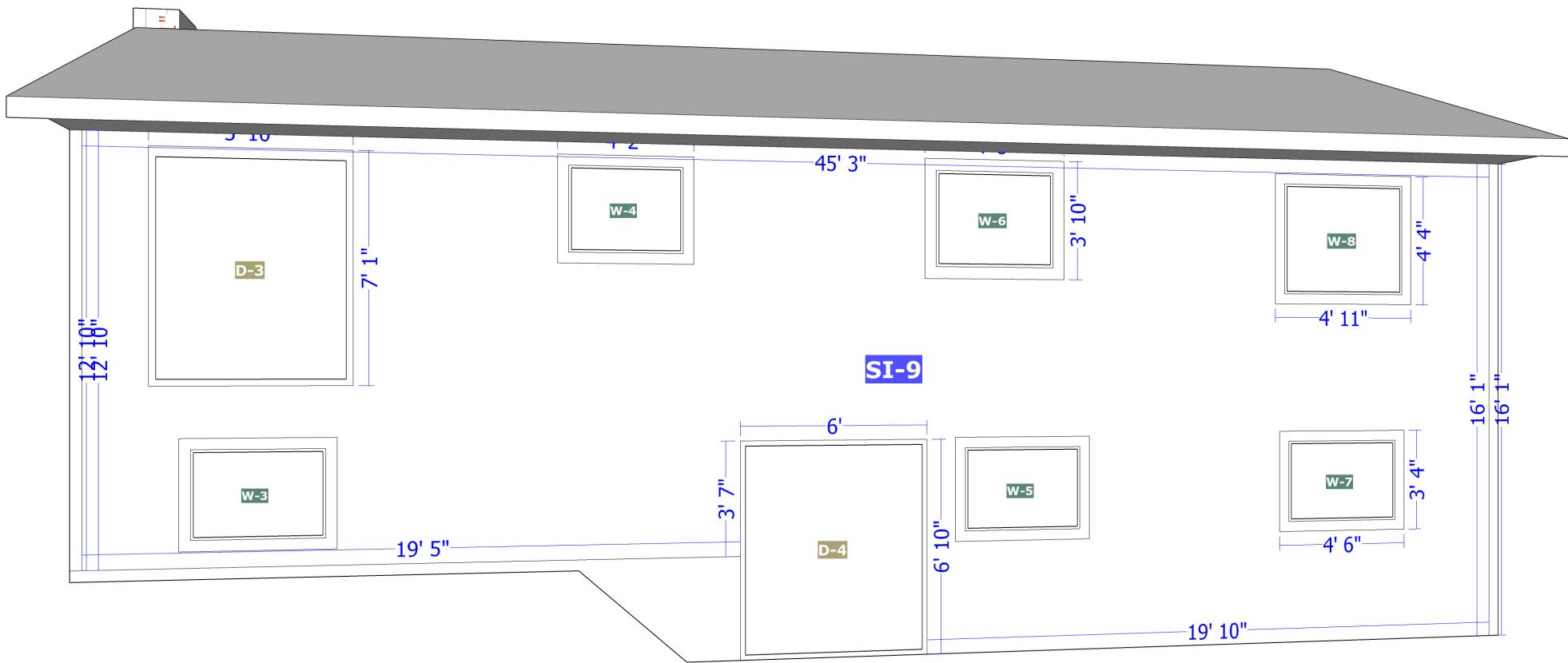
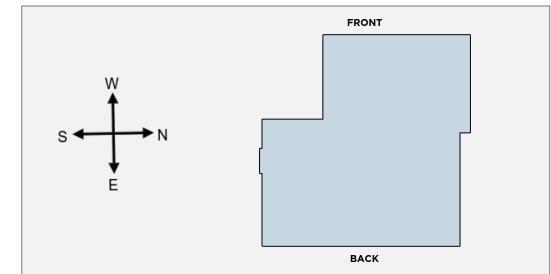




## Complete Measurements

9825 Chownen Avenue South,...

BACK



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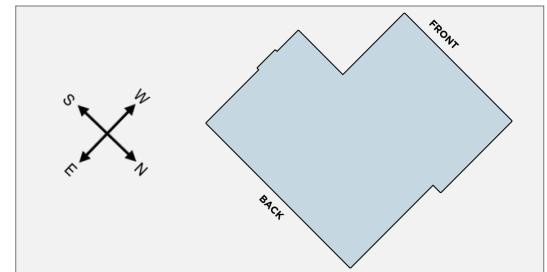
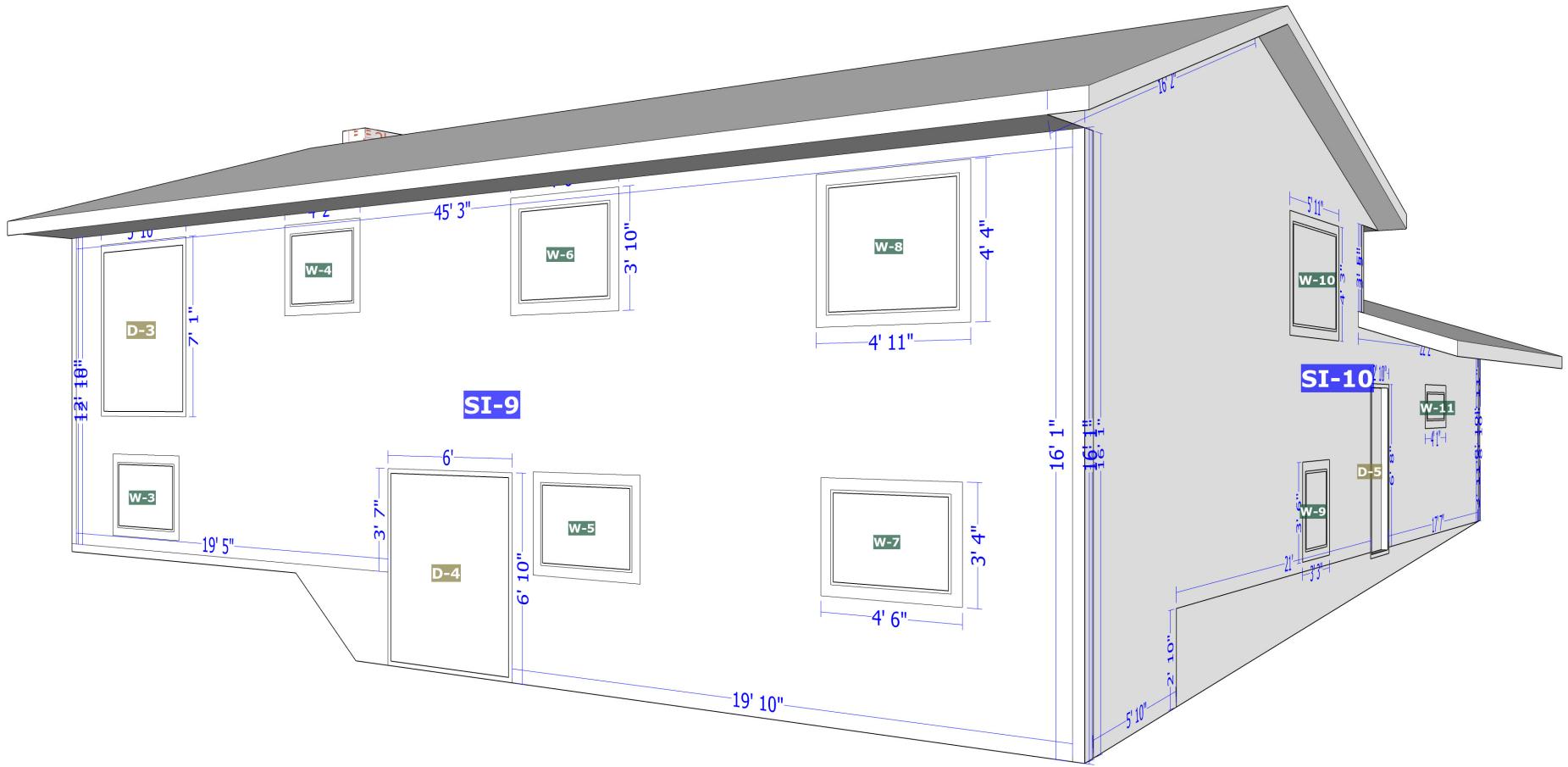
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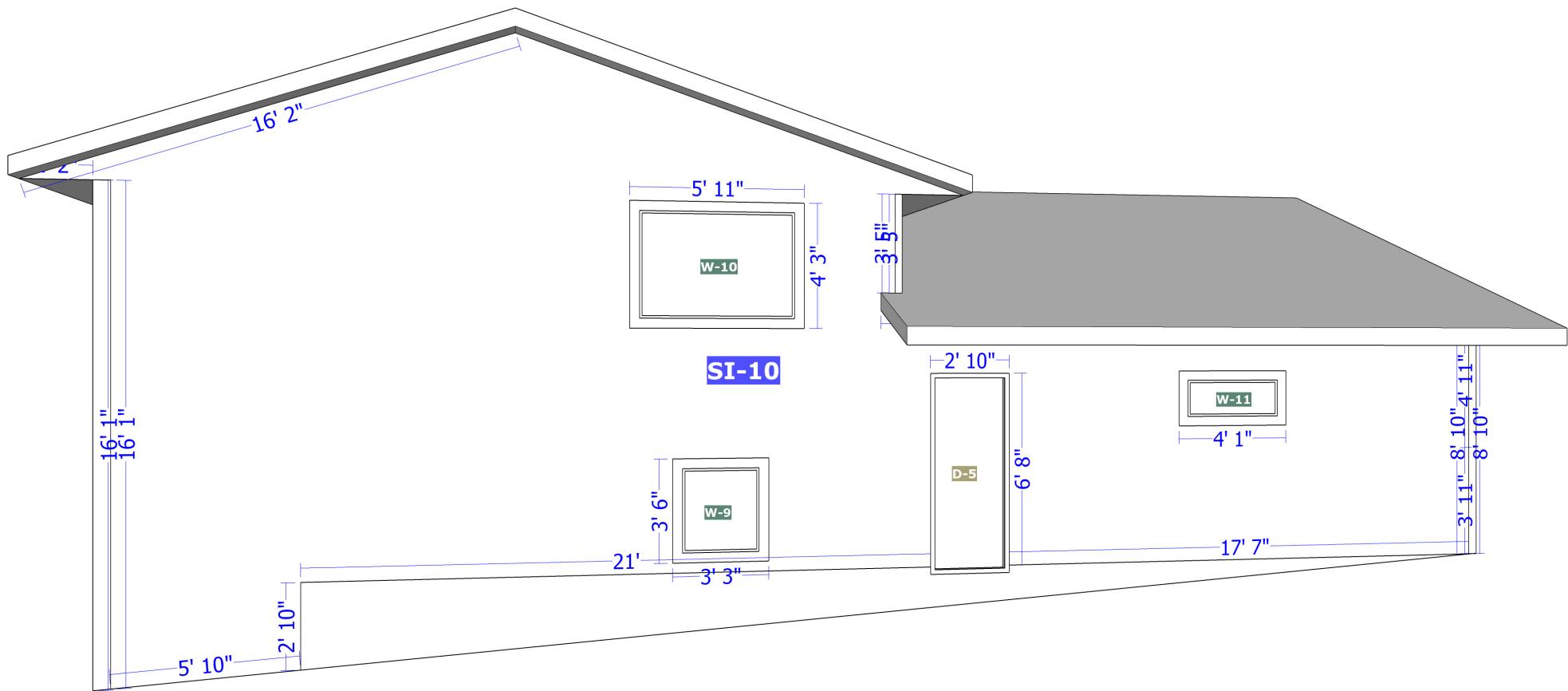
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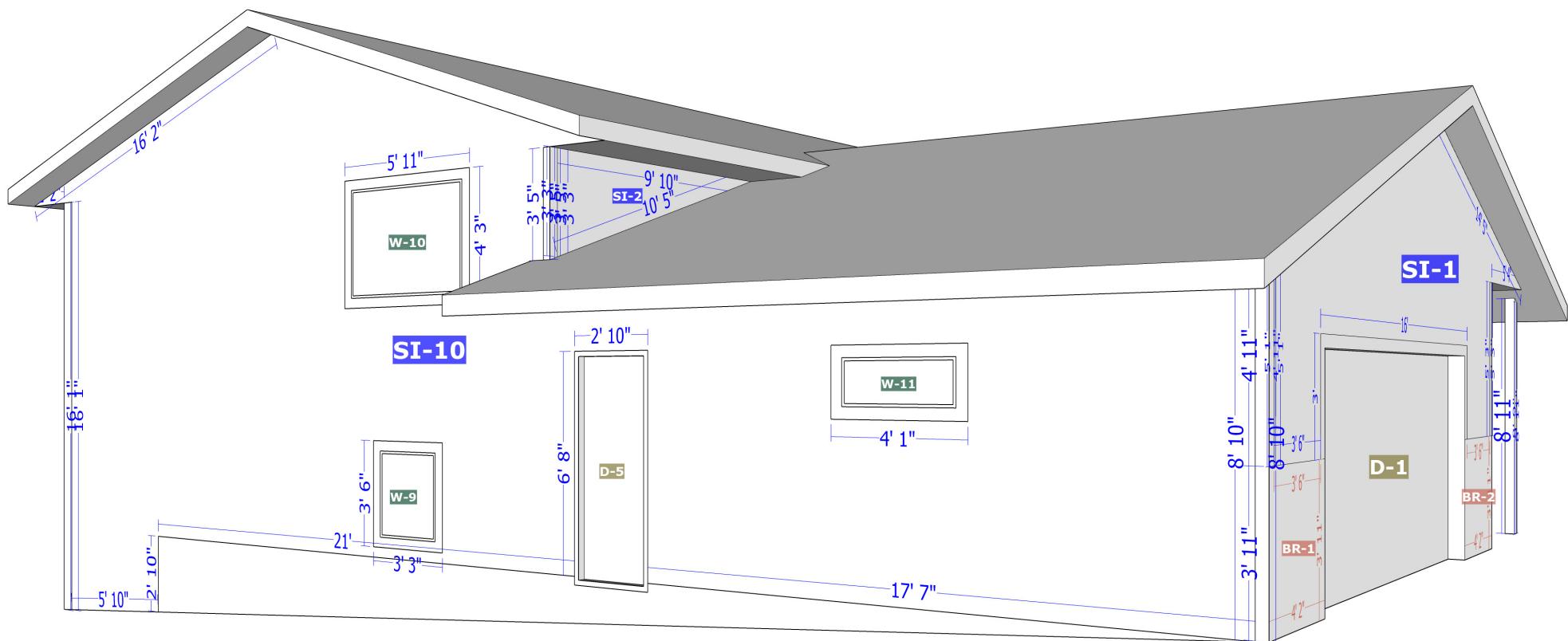


## Complete Measurements

9825 Chownen Avenue South,...  
BACK-LEFT







**Siding**

Facade	Area	Inside Corners	Outside Corners	Openings	Shutters	Vents
SI-1	140 ft <sup>2</sup>	0	0	1	0	0
SI-2	16 ft <sup>2</sup>	0	1	0	0	0
SI-3	123 ft <sup>2</sup>	1	1	0	0	0
SI-4	30 ft <sup>2</sup>	1	1	1	0	0
SI-5	64 ft <sup>2</sup>	1	1	0	0	0
SI-6	100 ft <sup>2</sup>	1	1	1	0	0
SI-7	74 ft <sup>2</sup>	0	1	0	0	0
SI-8	247 ft <sup>2</sup>	0	1	0	0	0
SI-9	484 ft <sup>2</sup>	0	2	8	0	0
SI-10	551 ft <sup>2</sup>	0	3	4	0	0
Total	1829 ft <sup>2</sup>	4	12	15	0	0

**Brick**

Facade	Area	Openings	Shutters	Vents
BR-1	16 ft <sup>2</sup>	0	0	0
BR-2	16 ft <sup>2</sup>	0	0	0
BR-3	25 ft <sup>2</sup>	1	0	0
BR-4	21 ft <sup>2</sup>	0	0	0
BR-5	92 ft <sup>2</sup>	0	0	0
BR-6	12 ft <sup>2</sup>	0	0	0
BR-7	33 ft <sup>2</sup>	0	0	0
BR-8	9 ft <sup>2</sup>	0	0	0
BR-9	6 ft <sup>2</sup>	0	0	0
Total	230 ft <sup>2</sup>	1	0	0



## Complete Measurements

9825 Chowen Avenue South,...  
SIDING

### Facades

		Trim			Corners		Roofline		Openings		
Facade	Area	Level Starter	Sloped	Vertical	Inside	Outside	Level Frieze Board	Sloped Frieze Board	Tops	Sills	Sides
SI-1	140 ft <sup>2</sup>	12' 8"	-	10' 4"	-	-	-	30' 4"	16'	-	6' 1"
SI-2	16 ft <sup>2</sup>	-	10' 5"	-	-	3' 5"	9' 10"	-	-	-	-
SI-3	123 ft <sup>2</sup>	13' 6"	-	-	9' 2"	5' 3"	13' 6"	-	-	-	-
SI-4	30 ft <sup>2</sup>	6' 10"	-	-	9' 2"	8' 6"	5' 4"	1' 7"	4' 7"	4' 7"	13' 9"
SI-5	64 ft <sup>2</sup>	7' 8"	-	3' 9"	4' 9"	8' 6"	7' 8"	-	-	-	-
SI-6	100 ft <sup>2</sup>	14' 8"	12' 5"	7"	4' 9"	9' 1"	25' 2"	1' 4"	9' 6"	9' 6"	11'
SI-7	74 ft <sup>2</sup>	9' 6"	-	16'	-	9' 1"	-	10'	-	-	-
SI-8	247 ft <sup>2</sup>	17' 9"	-	17' 1"	-	12' 10"	-	18' 9"	-	-	-
SI-9	484 ft <sup>2</sup>	39' 2"	-	-	-	28' 11"	45' 3"	-	39' 2"	33' 2"	67' 8"
SI-10	551 ft <sup>2</sup>	44' 3"	5' 10"	3' 5"	-	24' 5"	22' 2"	32' 3"	16' 1"	13' 3"	32' 9"
Total*	1829 ft <sup>2</sup>	166'	28' 7"	51' 2"	13' 11"	60' 2"	128' 10"	94' 4"	85' 5"	60' 7"	131' 3"

\*Totals de-duplicate any line segments that are shared between multiple facades, and as a result may not represent a total summation of the corresponding column.



## Waste Factor Calculation

Facade	Zero Waste	+10%	+18%	With Openings	Openings +10%	Openings +18%
SI-1	140 ft <sup>2</sup>	154 ft <sup>2</sup>	165 ft <sup>2</sup>	140 ft <sup>2</sup>	154 ft <sup>2</sup>	165 ft <sup>2</sup>
SI-2	16 ft <sup>2</sup>	18 ft <sup>2</sup>	19 ft <sup>2</sup>	16 ft <sup>2</sup>	18 ft <sup>2</sup>	19 ft <sup>2</sup>
SI-3	123 ft <sup>2</sup>	135 ft <sup>2</sup>	145 ft <sup>2</sup>	123 ft <sup>2</sup>	135 ft <sup>2</sup>	145 ft <sup>2</sup>
SI-4	30 ft <sup>2</sup>	33 ft <sup>2</sup>	35 ft <sup>2</sup>	50 ft <sup>2</sup>	55 ft <sup>2</sup>	59 ft <sup>2</sup>
SI-5	64 ft <sup>2</sup>	70 ft <sup>2</sup>	76 ft <sup>2</sup>	64 ft <sup>2</sup>	70 ft <sup>2</sup>	76 ft <sup>2</sup>
SI-6	100 ft <sup>2</sup>	110 ft <sup>2</sup>	118 ft <sup>2</sup>	100 ft <sup>2</sup>	110 ft <sup>2</sup>	118 ft <sup>2</sup>
SI-7	74 ft <sup>2</sup>	81 ft <sup>2</sup>	87 ft <sup>2</sup>	74 ft <sup>2</sup>	81 ft <sup>2</sup>	87 ft <sup>2</sup>
SI-8	247 ft <sup>2</sup>	272 ft <sup>2</sup>	291 ft <sup>2</sup>	247 ft <sup>2</sup>	272 ft <sup>2</sup>	291 ft <sup>2</sup>
SI-9	484 ft <sup>2</sup>	532 ft <sup>2</sup>	571 ft <sup>2</sup>	564 ft <sup>2</sup>	620 ft <sup>2</sup>	666 ft <sup>2</sup>
SI-10	551 ft <sup>2</sup>	606 ft <sup>2</sup>	650 ft <sup>2</sup>	605 ft <sup>2</sup>	666 ft <sup>2</sup>	714 ft <sup>2</sup>
Trims	41 ft <sup>2</sup>	45 ft <sup>2</sup>	48 ft <sup>2</sup>	41 ft <sup>2</sup>	45 ft <sup>2</sup>	48 ft <sup>2</sup>
Total	1870 ft <sup>2</sup>	2056 ft <sup>2</sup>	2205 ft <sup>2</sup>	2024 ft <sup>2</sup>	2226 ft <sup>2</sup>	2388 ft <sup>2</sup>

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

The table above provides the area of siding on a given property, segmented by individual and in sum total form. Values include openings (doors & windows) and 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 siding techniques, and your own level of expertise. Accessories are not included in these values and may require additional material.



## Complete Measurements

9825 Chowen Avenue South,...  
OPENINGS

### Windows

Opening	Width x Height	United Inches	Area
W-1	106" x 36"	142"	26 ft <sup>2</sup>
W-2	109" x 61"	170"	46 ft <sup>2</sup>
W-3	48" x 35"	83"	12 ft <sup>2</sup>
W-4	48" x 35"	83"	12 ft <sup>2</sup>
W-5	48" x 35"	83"	12 ft <sup>2</sup>
W-6	50" x 40"	89"	14 ft <sup>2</sup>
W-7	48" x 35"	83"	12 ft <sup>2</sup>
W-8	54" x 47"	101"	18 ft <sup>2</sup>
W-9	34" x 37"	71"	9 ft <sup>2</sup>
W-10	66" x 46"	112"	21 ft <sup>2</sup>
W-11	44" x 18"	62"	6 ft <sup>2</sup>
Total	-	1082"	188 ft <sup>2</sup>

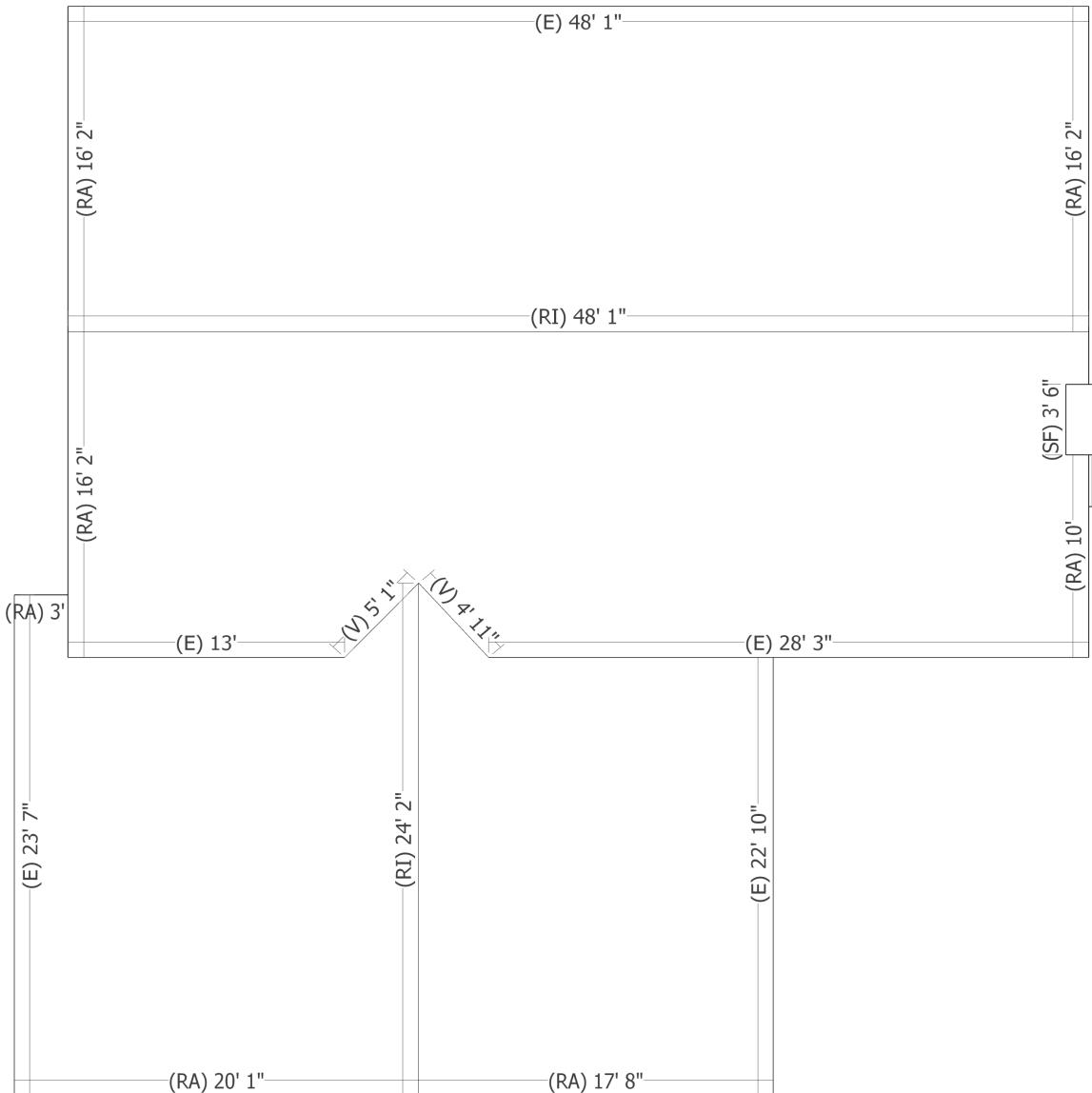
### Doors

Opening	Width x Height	Area
D-1	192" x 84"	112 ft <sup>2</sup>
D-1 Entire	184" x 79"	101 ft <sup>2</sup>
D-2	36" x 80"	20 ft <sup>2</sup>
D-2 Entire	55" x 83"	32 ft <sup>2</sup>
D-3	60" x 80"	33 ft <sup>2</sup>
D-3 Entire	65" x 78"	35 ft <sup>2</sup>
D-4	72" x 80"	40 ft <sup>2</sup>
D-4 Entire	68" x 78"	37 ft <sup>2</sup>
D-5	32" x 80"	18 ft <sup>2</sup>
Total	-	223 ft <sup>2</sup>

\*Total door square footage includes entire door package (e.g. with transoms, sidelites, etc.)

Roof	Length
Ridges (RI)	72' 2"
Hips (H)	-
Valleys (V)	10'
Rakes (RA)	102' 7"
Eaves (E)	135' 9"
Flashing (F)*	2' 11"
Step Flashing (SF)*	26' 8"
Transition Line (TL)	-

\*Flashing and Step Flashing information are better accessible on the 3D reconstruction for this job

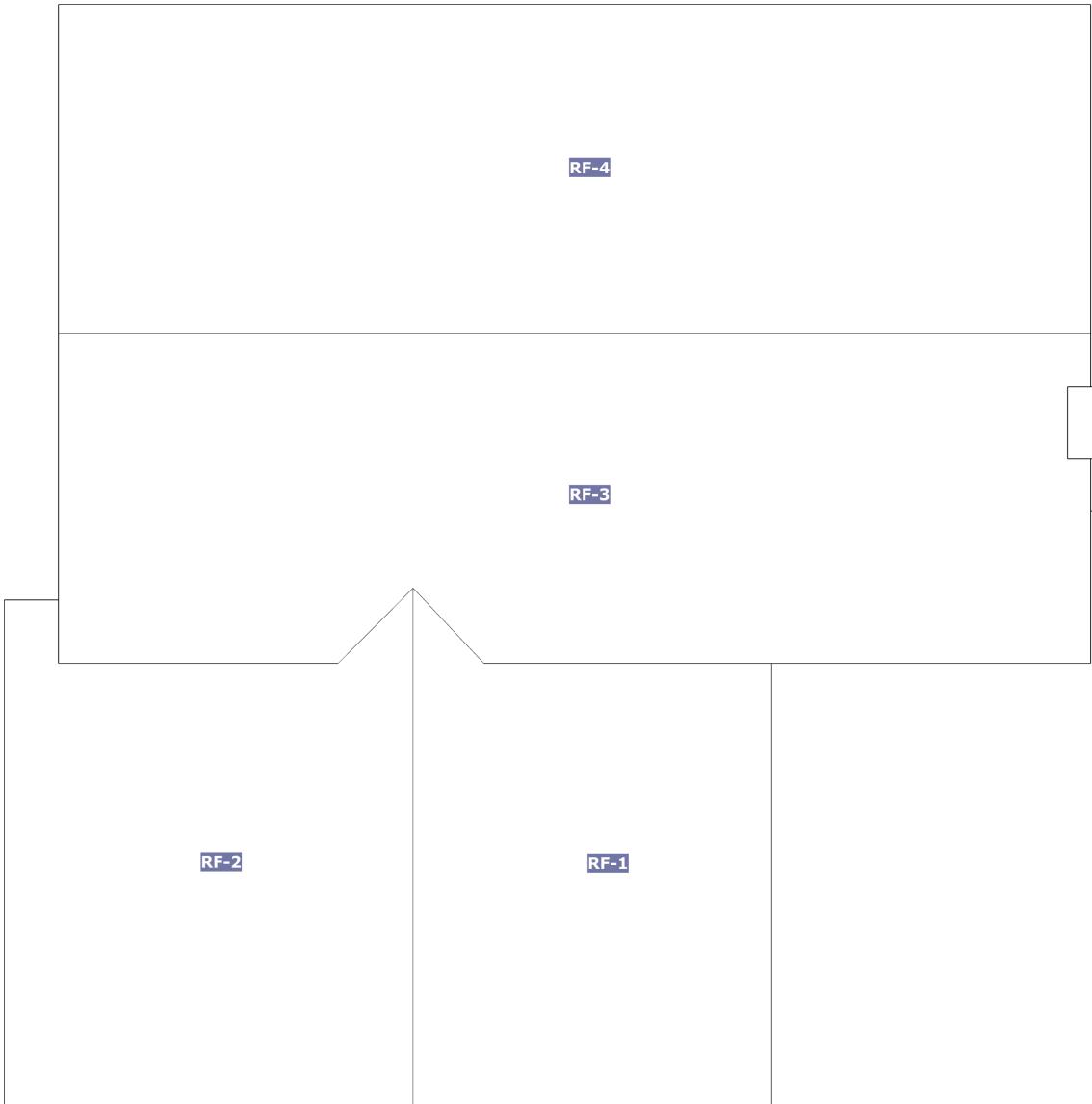




Complete Measurements

9825 Chowen Avenue South,...  
ROOF FACETS

Facet	Area	Pitch
RF-1	398 ft <sup>2</sup>	4/12
RF-2	455 ft <sup>2</sup>	4/12
RF-3	759 ft <sup>2</sup>	4/12
RF-4	776 ft <sup>2</sup>	4/12





Complete Measurements

9825 Chowen Avenue South,...  
ROOF AREA

Roof	Facets	Total
Roof Facets	4	2389 ft <sup>2</sup>



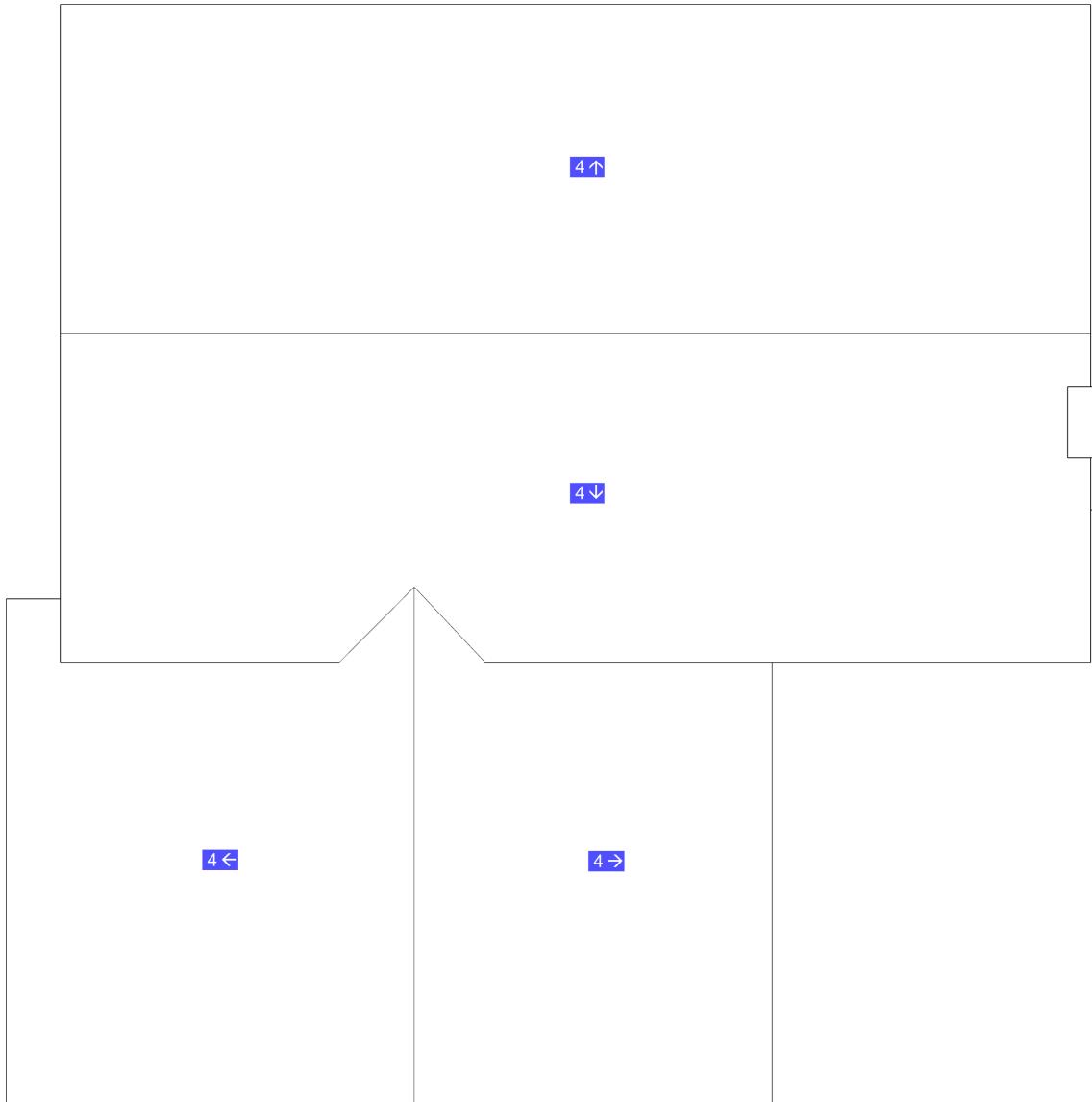


Complete Measurements

9825 Chowen Avenue South,...

ROOF PITCH

Roof Pitch	Area	Percentage
4/12	2389 ft <sup>2</sup>	100.0%





Complete Measurements

9825 Chownen Avenue South,...

PHOTOS



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JOHNSON DOUG

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Complete Measurements

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