

## Appendix D | Lowest level wall surface area calculations

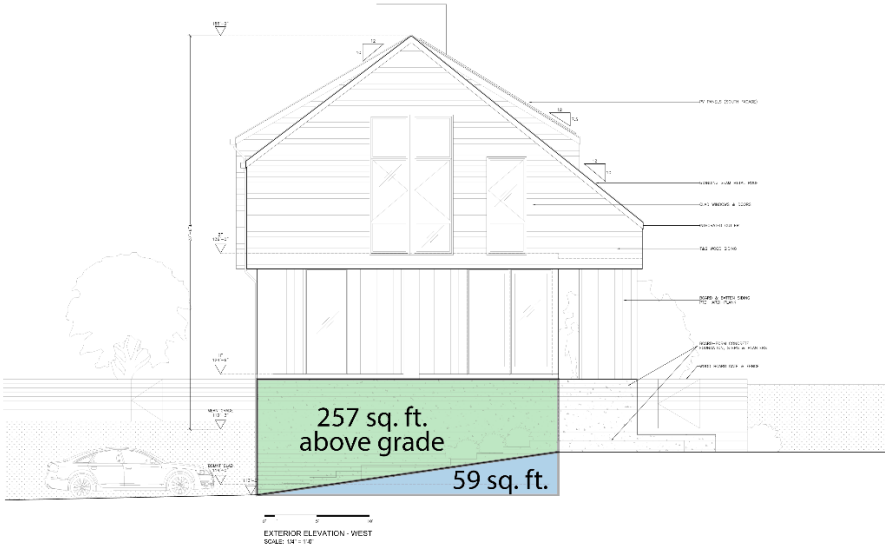
This appendix was compiled to tabulate the lowest level wall surface area above and below grade. Although it is my understanding that this method of calculation is highly non-conventional, this method was discussed the March 3, 2022 ZBA meeting, and thus we have performed these calculations. As with Appendices B and C, this appendix was developed strictly to provide the Zoning Board of Appeals with all potential permutations of “wall surface area”, in an effort to eliminate the need for continuances.

We have performed these calculations for the entire lowest level (Total), and for that portion of the lowest level that is not part of the garage (Non-garage). Because the grade at on the Western wall of the Non-garage portion of the house is ill-defined, we have used the Western-most façade for these calculations as this is the most conservative estimate of the wall area above grade. The tables below summarize these calculations, which are illustrated on the subsequent pages. In these illustrations, wall area above grade is colored green, that below grade is colored blue. Note the orange dashed line marks the garage/non-garage boundary in the north and south elevations.

Note that the % wall area above grade is less than 50% when considering either the total wall of the lowest level (40%), or when considering the Non-garage portion (32%).

Total				
Side	Above grade (sq. ft.)	Below grade (sq. ft.)	Total (sq. ft.)	% wall above grade
West	257	59	316	81%
North	702	277	979	72%
East	0	315	315	0%
South	84	895	979	9%
<b>Total</b>	<b>1043</b>	<b>1546</b>	<b>2589</b>	<b>40%</b>

Non-garage				
Side	Above grade (sq. ft.)	Below grade (sq. ft.)	Total (sq. ft.)	% wall above grade
West	257	59	316	81%
North	322	277	599	54%
East	0	315	315	0%
South	0	605	605	0%
<b>Total</b>	<b>579</b>	<b>1256</b>	<b>1835</b>	<b>32%</b>



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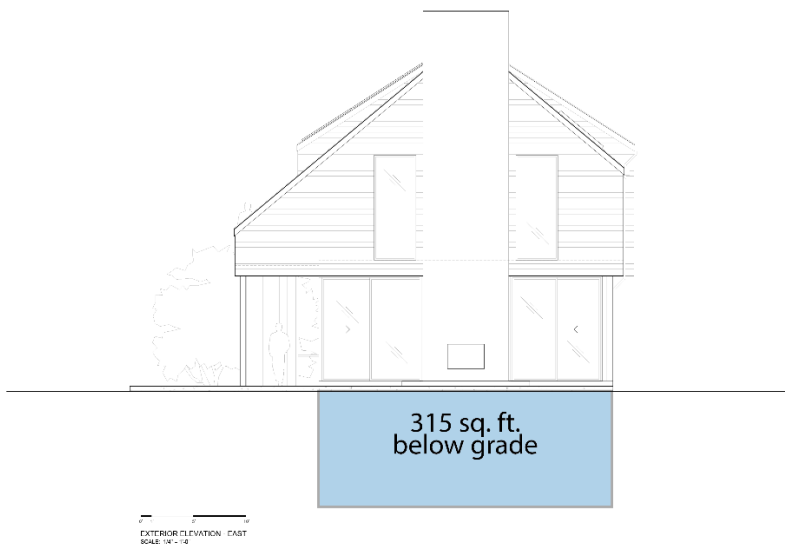
DATE:	11.29.22	SCALE:

PROJECT: LOT 4 ABBY ROAD  
WINCHESTER, MA 01890  
DRAWING NO.: A4.01  
DATE: 11/29/22  
SCALE: 1/4" = 1'-0"

**EXT. ELEVATION WEST**

DATE: 11/29/22

**A4.01**



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**EXT. ELEVATION EAST**

DATE: 11/29/22

**A4.03**

