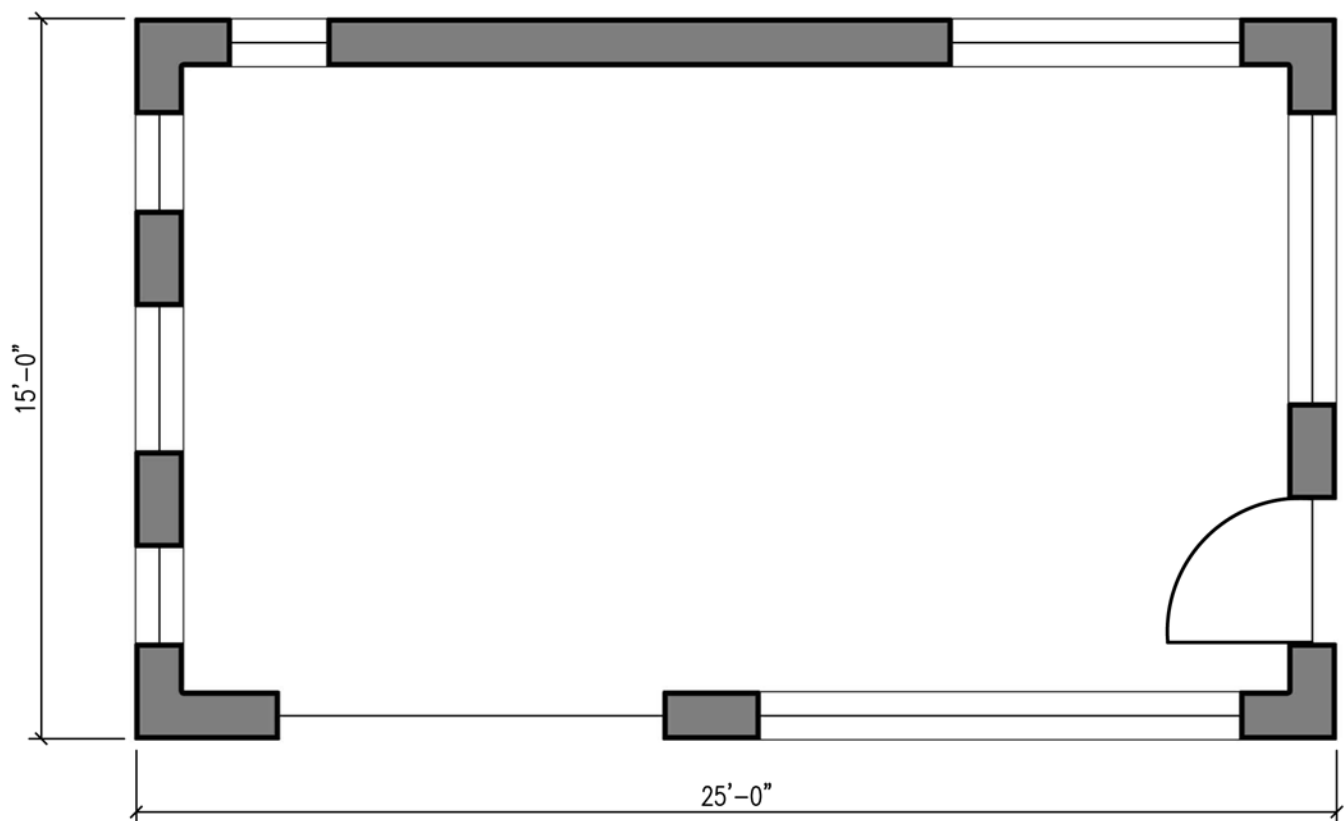




1

PLAN

1/4" = 1'-0"

Building Totals:

	Area		% of Building
Window Area:	309	sqft	23.50%
Solid Wall Area:	691	sqft	52.55%
Roof Area:	315	sqft	23.95%
Total Wall Area:	1000	sqft	
Total Building Area:	1315	sqft	

WWR:	30.90%
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Wall Assembly:

Component	Studs	Cavity
Interior Air Film	0.68	0.68
1/2" Gyp. Bd.	0.45	0.45
2x6 Stud @ 16" OC	6.88	
3 1/2" Batt Insulation		12.25
1/2" Plywood	0.63	0.63
Blueskin SA	1.2	1.2
3" XPS Rigid Insulation	15	15
1x2 PT Furring @ 16" OC	0.9	
3/4" Airspace		1
Cedar Lap Siding	0.8	0.8
Exterior Air Film	0.17	0.17
Wall Component R-Value	26.71	32.18
Wall Component U-Value	0.037	0.031
% for 16" OC	15%	85%

Total Wall R-Value	31.36
Total Wall U-Value	0.032

Window Assembly:

Cascadia 900 Series Double Hung with Upgraded Thin Triple Glazed IGU

U-Value	0.27
R-Value	3.7

Roof Assembly:

Component	Joists	Cavity
Interior Air Film	0.61	0.61
1/2" Gyp. Bd.	0.45	0.45
2x10 Joists @ 16" OC	11.5	
9" Batt Insulation		31.5
1/2" Plywood	0.63	0.63
Building Paper	0.8	0.8
Asphalt Shingles	0.44	0.44
Exterior Air Film	0.25	0.25
Wall Component R-Value	14.68	34.68
Wall Component U-Value	0.068	0.029
% for 16" OC	15%	85%

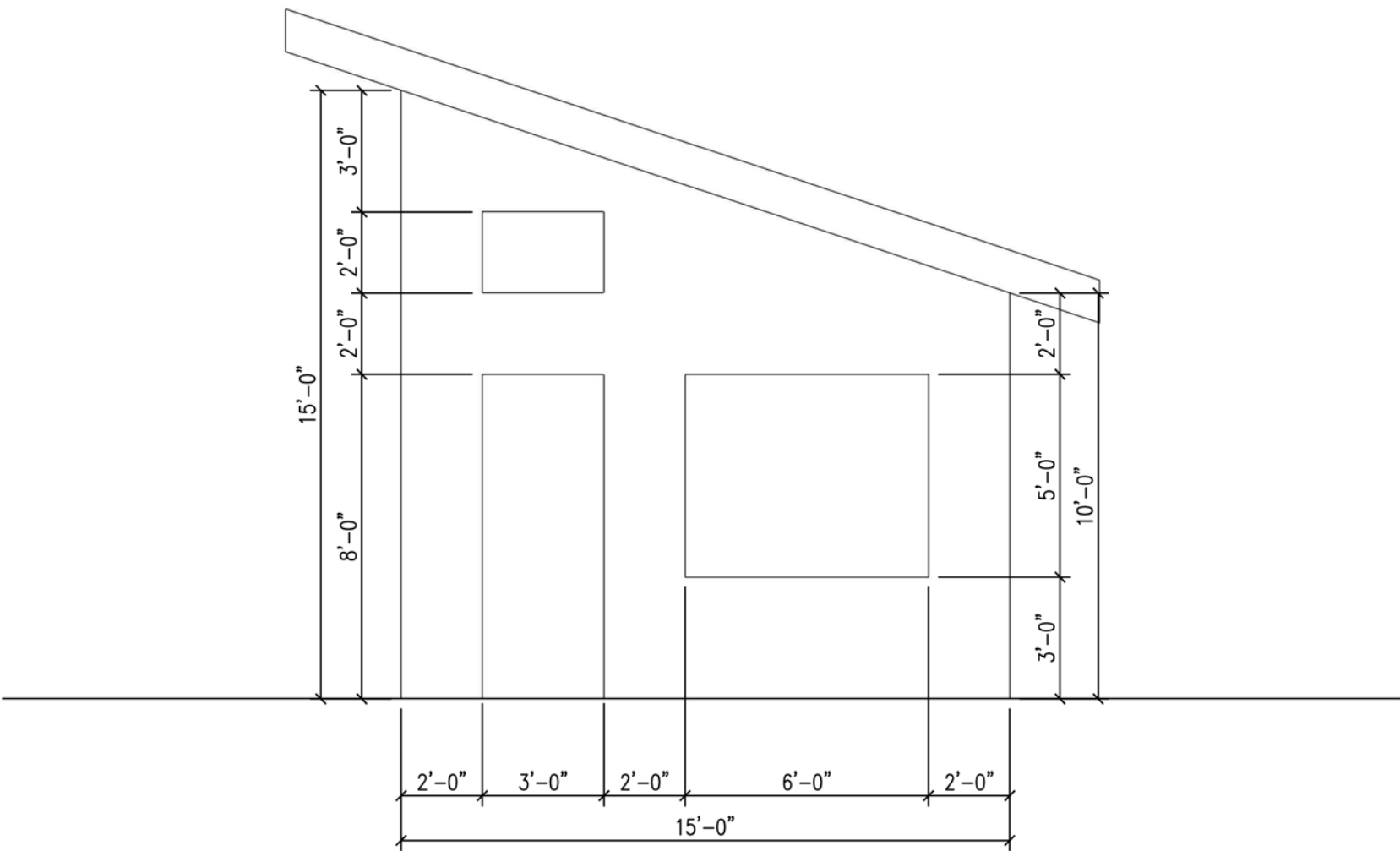
Total Wall R-Value	31.68
Total Wall U-Value	0.032

UA Analysis:

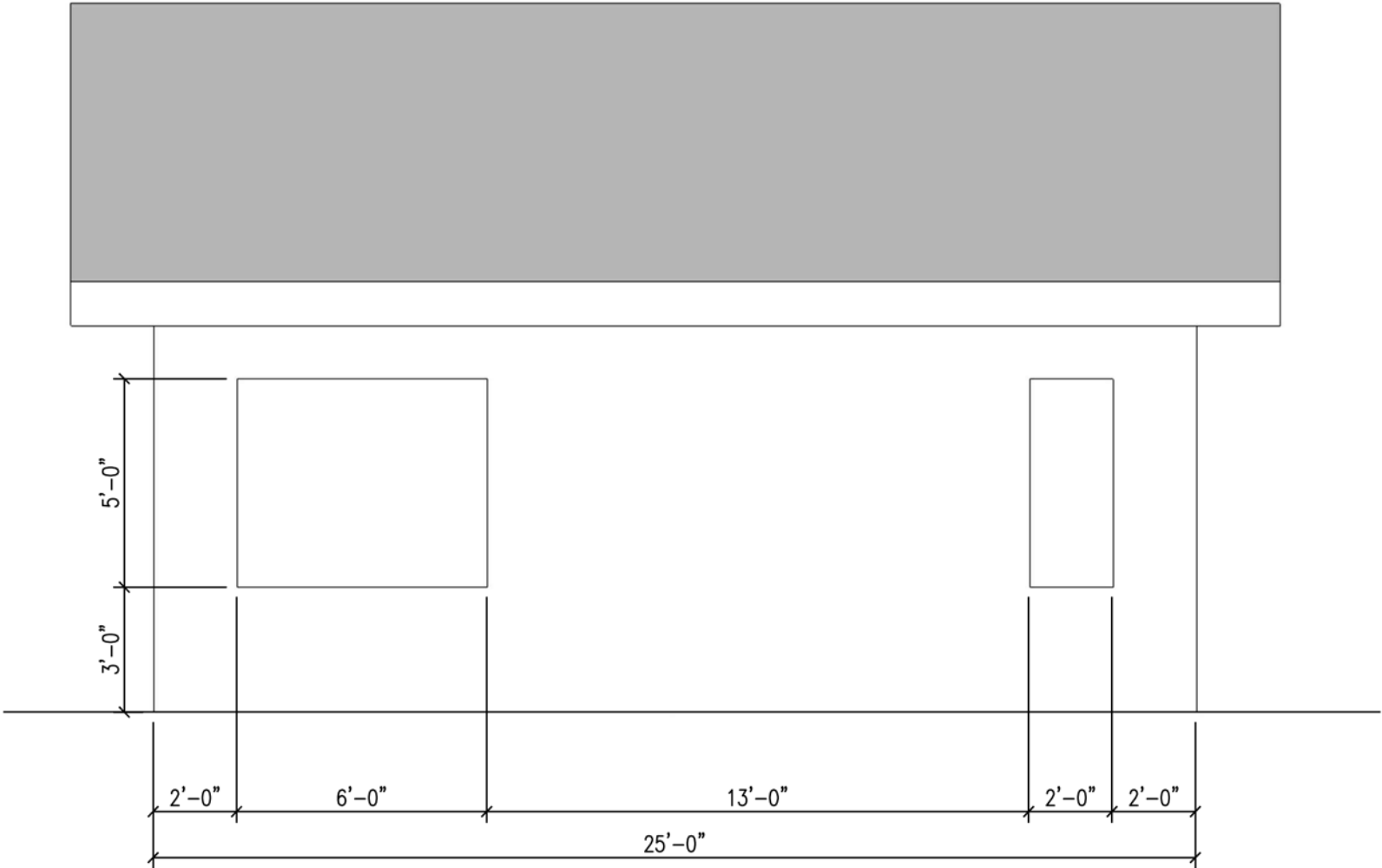
Whole Enclosure U-Value	0.0878
Whole Enclosure R-Value	11.3944

2

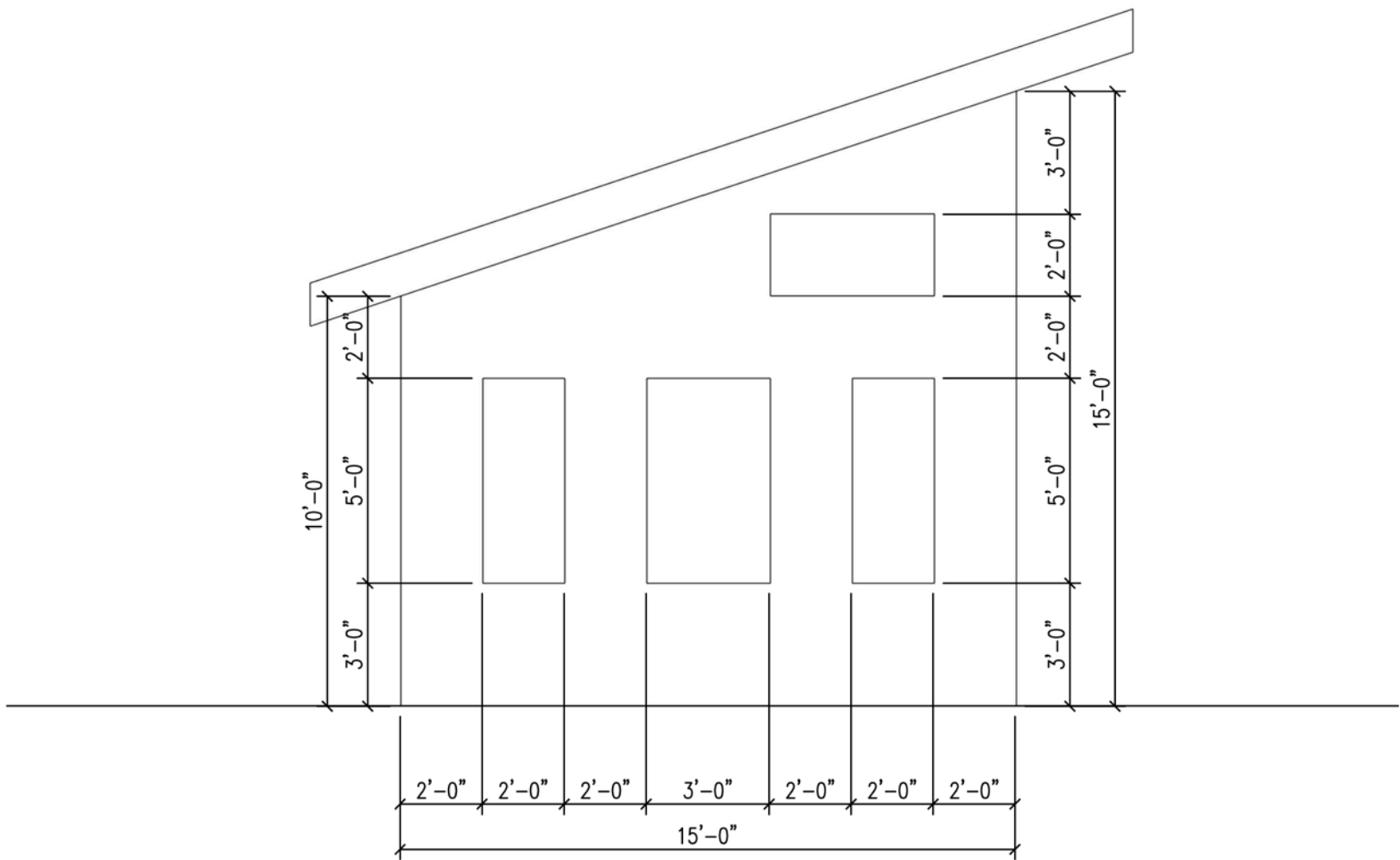
UA ANALYSIS



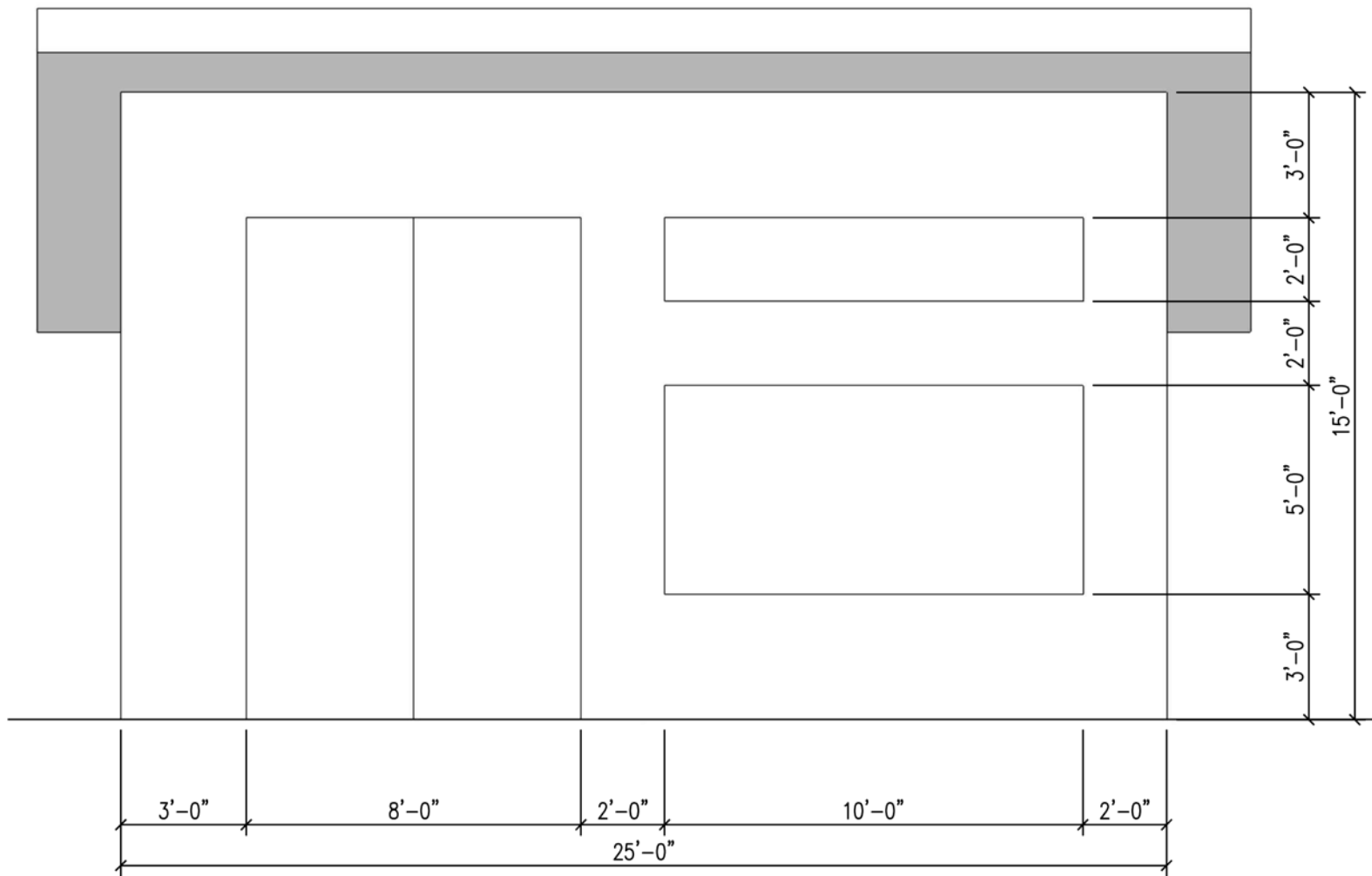
1 EAST ELEVATION
1/4" = 1'-0"



2 NORTH ELEVATION
1/4" = 1'-0"



1 WEST ELEVATION
1/4" = 1'-0"



2 SOUTH ELEVATION
1/4" = 1'-0"