HINESBURG FIRE DEPARTMENT

MASSING OPTION A

VERMONT INTEGRATED ARCHITECTURE, PC

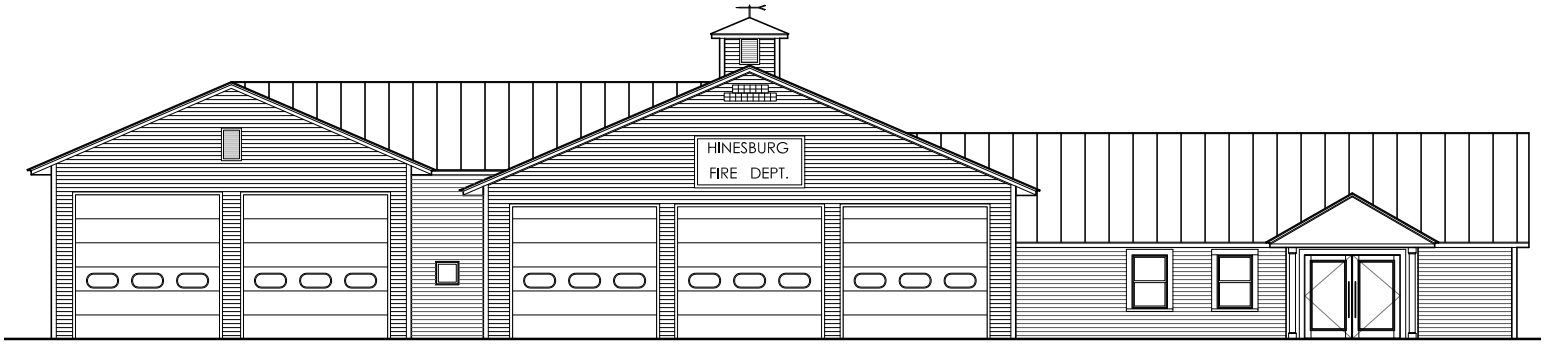
- Apparatus Bay addition plate height is 1'0" above existing plate height.
- Roof pitch matches existing at 5:12.
- Truss has 14" heel to accommodate insulation

PROS

- Doors are placed in gable wall where roof loads are minimal.
- Reduced size of the beam across the door.
- More insulation.
- Shorter truss span.
- In line with community accepted design.

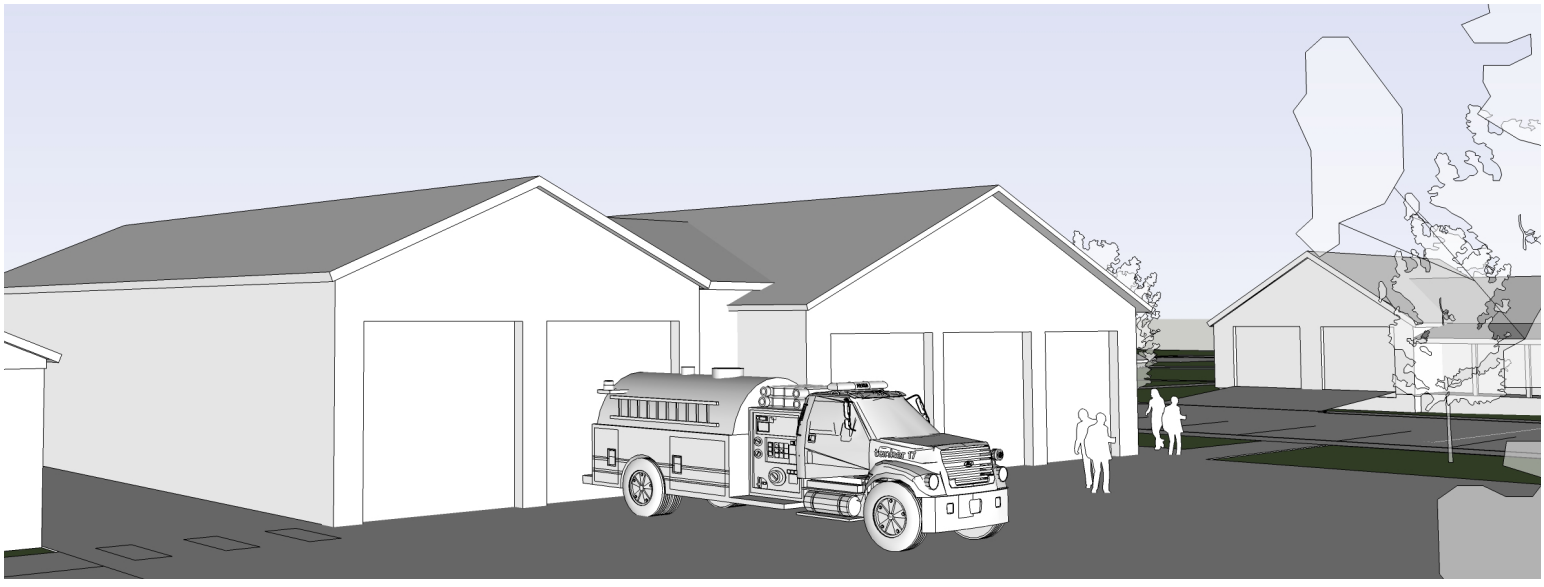
CONS

- Visual size of overhead door more prominent than existing
- Snow and water could collect at roof "funnel" point



1 EAST ELEVATION OPTION A

SCALE: 1/16"= 1'-0"



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MASSING OPTION B

VERMONT INTEGRATED ARCHITECTURE, PC

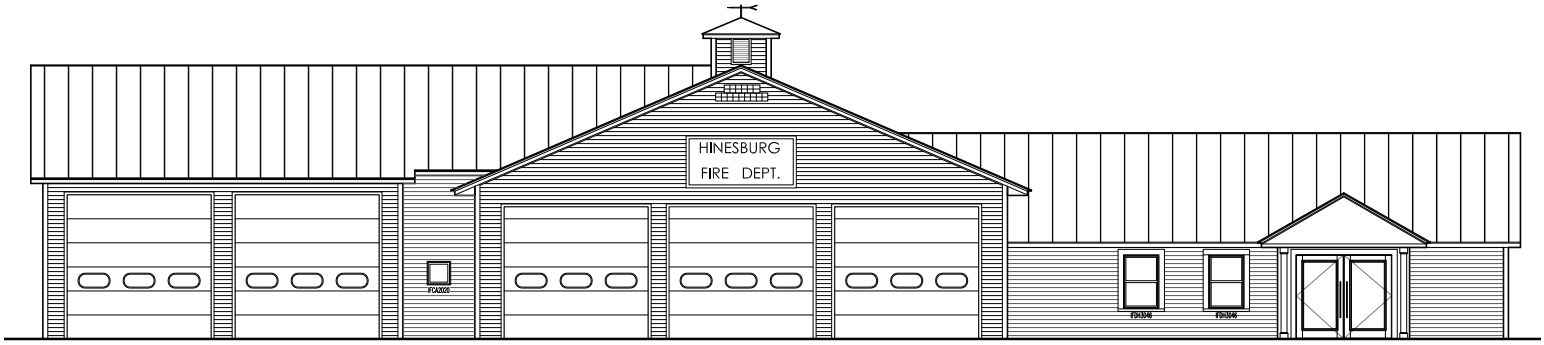
- Apparatus Bay addition head height is 1'0" above existing plate height.
- Roof pitch much lower
- Truss has 14" heel to accommodate insulation

PROS

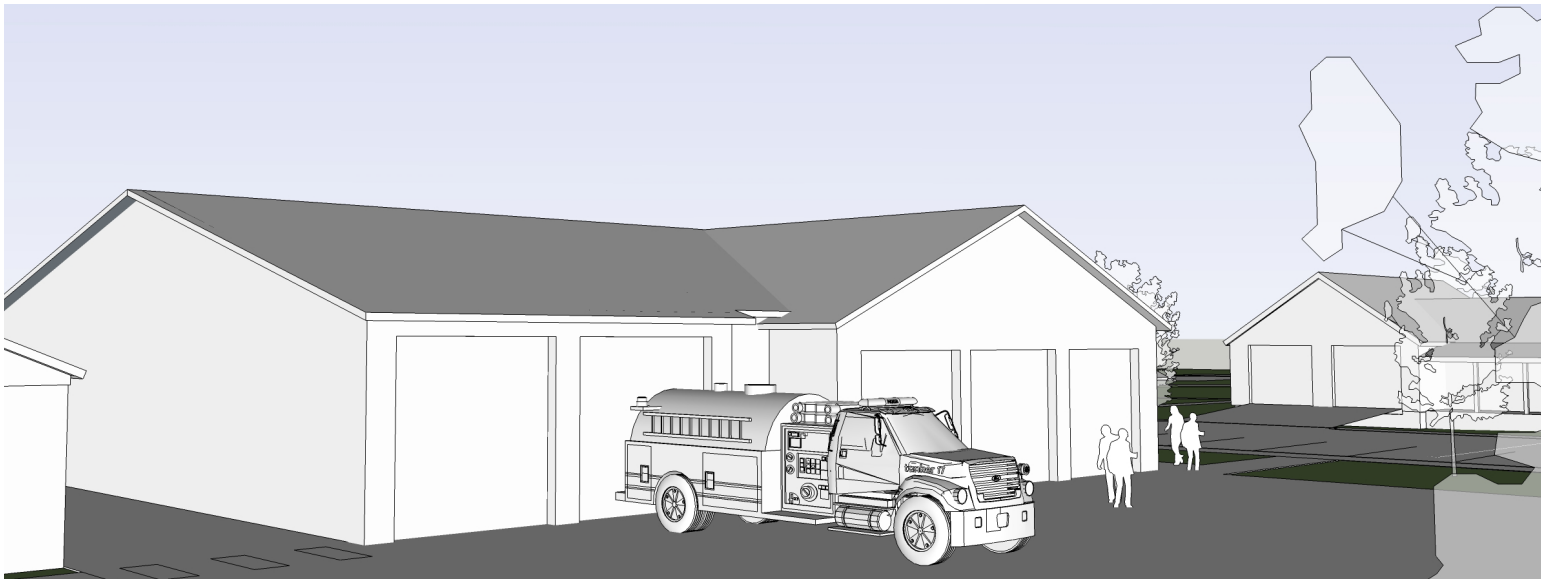
- Lesser snow and water confluence at roof joint.

CONS

- Visual size of overhead door more prominent than existing Building extra attic volume to accommodate roof pitch over longer run.
- Double the span means extra structure.
- Difficult to insulate over doors.
- Large steal beam needed to carry roof loads over apparatus doors.
- Low roof pitch below recommended for metal roofing



1 EAST ELEVATION OPTION B
SCALE: 1/16"= 1'-0"



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MASSING OPTION C

VERMONT INTEGRATED ARCHITECTURE, PC

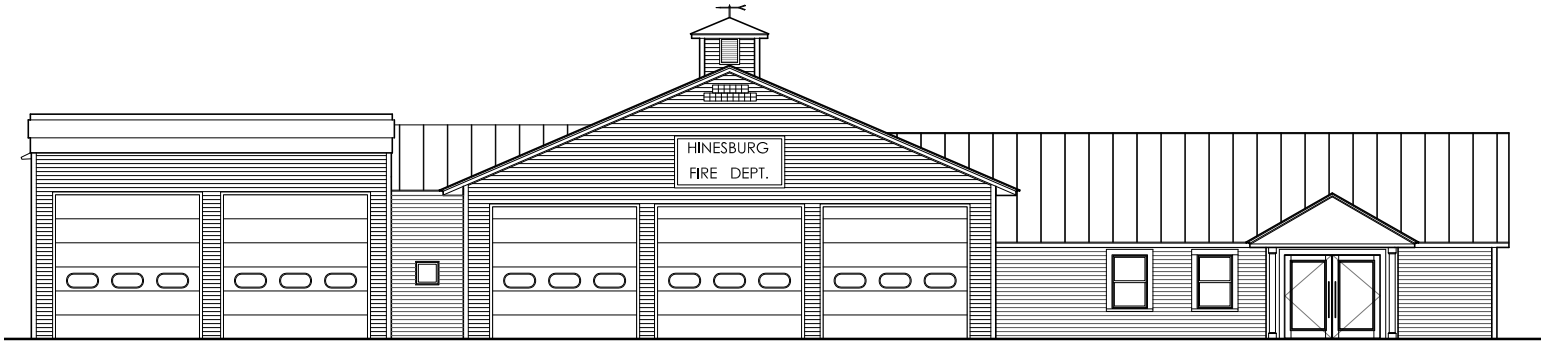
- Apparatus Bay addition head height is 1'0" above existing plate height.
- Flat roof requires membrane roofing system instead of previously agreed upon systems.
- Truss-to-wall detail doesn't compromise insulation at eaves

PROS

- Addresses snow and water confluence issues in most locations.
- Eliminates hierarchy confusion on plate heights for gables

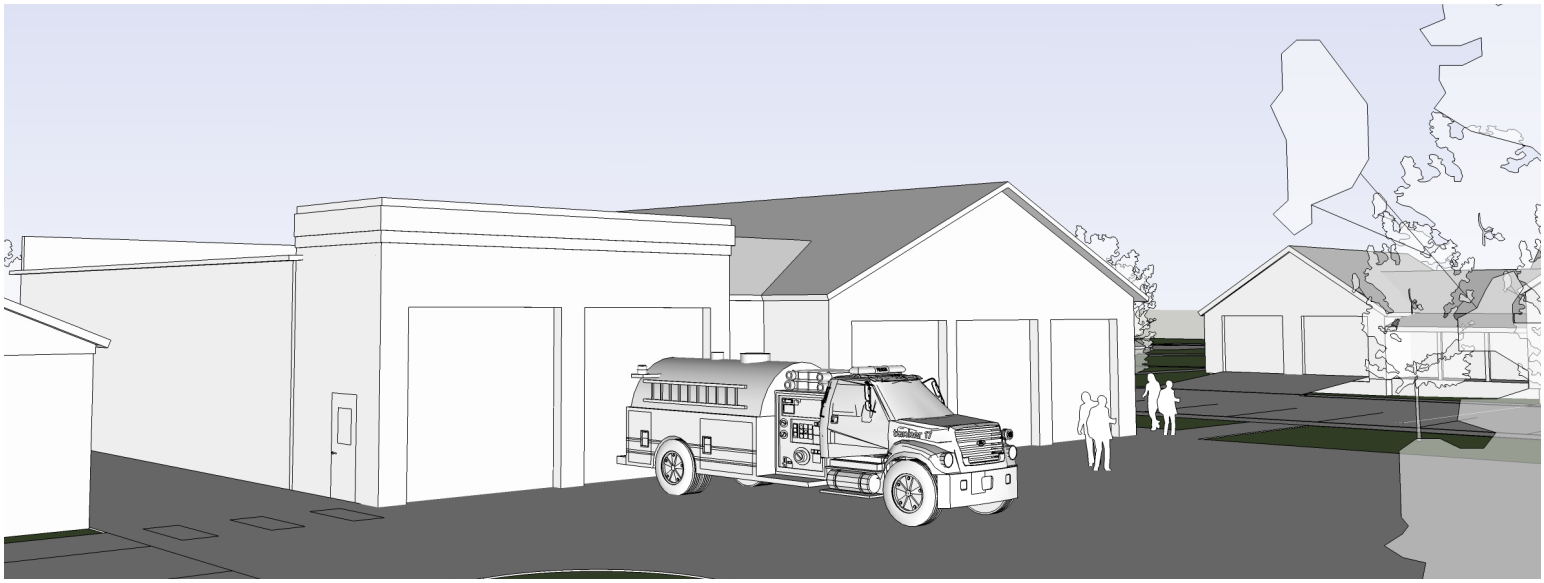
CONS

- Some delays in design schedule to accommodate new approach.
- New design language added to composition.



1 EAST ELEVATION OPTION C

SCALE: 1/16"= 1'-0"



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