

Standard Detached Garage/Shed Design Checklist

- * Building permit fees may be doubled if construction has commenced prior to permit issuance
- * The following **MUST** be indicated on your drawings or the application may **NOT** be accepted for processing

Name: _____

Address: _____

Building Area: _____ ft²

Foundation:

Floor Area up to 55 m² (592 ft²):

- PWF (wood) foundation
- 4" Concrete slab

Floor Area greater than 55 m² (592 ft²):

- *Engineered slab (submit engineering)
- *Foundation Wall with Footings

* Note: Drawings must be provided

Wall Framing:

- 2x4 @ 16" o/c
- 2x4 @ 24" o/c
- 2x6 @ 16" o/c
- 2x6 @ 24" o/c
- Other specify _____

Note: Engineering is required when walls exceed a height of 9.8ft (3m) for 2x4 walls and 11.8 ft (3.6m) for 2x6 walls

Wall Sheathing:

- 3/8" OSB or Plywood
- 1/2" OSB or Plywood
- Other specify _____

Interior Finish:

- Unfinished
- Insulation, Vapour Barrier & Drywall
- Other specify _____

Roof Materials:

- Asphalt Shingles
- Metal Roofing
- Other specify _____

Roof Sheathing:

- 3/8" OSB or Plywood
- Note: H-Clips and Ridge Blocking Required*
- 1/2" OSB or Plywood
- Other specify _____

Roof Construction:

- Engineered trusses
- Note: Include the truss supplier's layout and truss specifications*
- Site Built Rafters
- Note: Include detailed drawings of the rafters*

Garage Door Beams:

- *2-2x10 max span - 16'-9"
- *2-2x12 max span - 19'-8"
- Other specify _____
- **Engineered Size _____

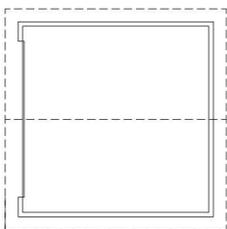
*Spans Based on trusses at 24" o/c and up to 24" overhang where trusses are parallel to the overhead door

**Where engineered lumber is used you must include, the beam supplier's roof layout indicating the required beam size

Door and Window Headers:

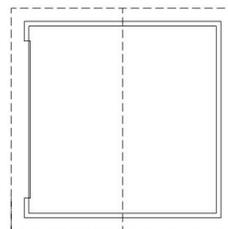
__ ply - 2 x ____ (ex. 2 ply - 2x6, 3 ply - 2x8, etc.)

Type of Roof & Truss Direction:



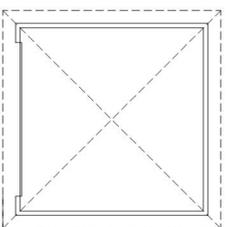
Gable Roof

- Trusses Parallel to overhead door

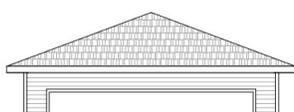


Gable Roof

- Trusses Perpendicular to overhead door



Hip Roof

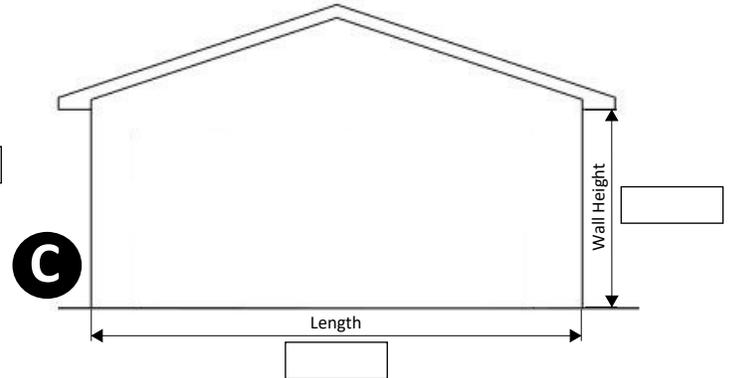
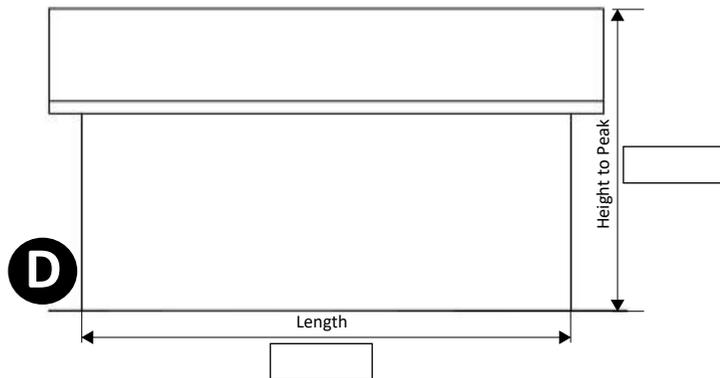
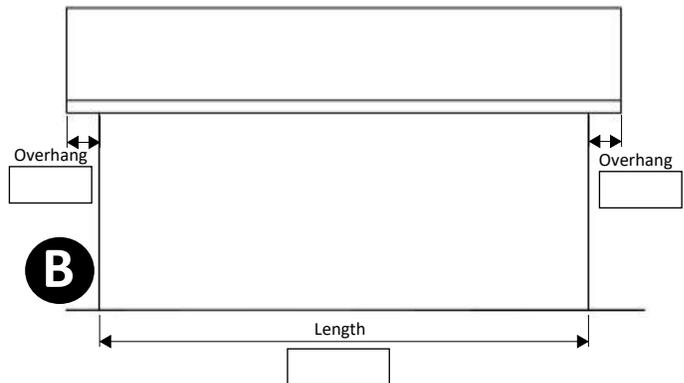
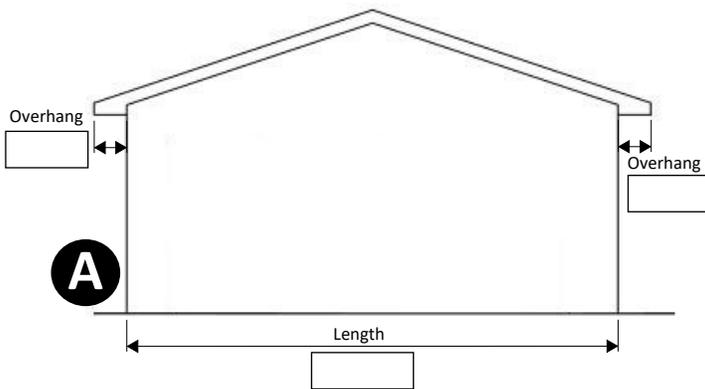
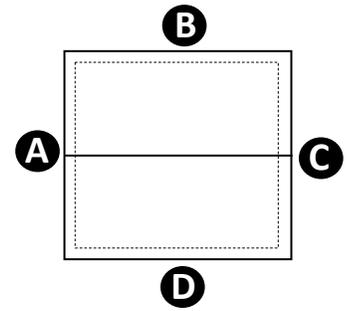
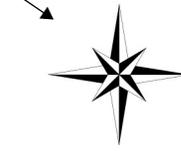


Flat Roof

- Permit Submission must include the supplier's truss layout, truss specifications or joist layouts. Submission must include the overhead door beam specified
- As of March 1, 2026 all truss specifications must include a seal and signature from an Alberta Registered Engineer.

Indicate North on the North Arrow relative to the site plan view

Draw all door and window locations on the images below.
Indicate all width and length dimensions



Your application must be accompanied with a

- **Real Property Report indicating proposed garage/shed and setbacks from the property lines indicated.**
- **Roof Soffits** - Non-vented soffits are required where the roof overhang projects within 1.2 meters (4') of the property line.
- **Roof soffits** - May not project closer than 450mm (18") to the property line .
- Walls that are closer than 1.2 meters (4') to the property line are not permitted to have windows, doors or vent openings.
- Walls closer than 600mm (2') must have a minimum 45 minute fire resistance rating applied to the inside face of the garage wall.
- Garage/shed height from ground to peak must not be taller than 5 meters (16' 5") or the height of the principal dwelling, whichever is smaller.
- Wood elements within 150mm (6") of the ground must be pressure treated or protected by 6mil poly.

Additional Information:

Details for wiring of garages can be found on the City www.airdrie.ca. From the search box (in the top right corner) search for "electrical for detached garages". This will return a link to a document that outlines electrical code requirements, what the expectations are and what parts need to be on-site and/or connected for inspection.

Electronic application including supporting documents in PDF format will be accepted online through [MyAirdrie](#)

Prior to submitting your application, check your plans against this document to confirm the above information has been provided.