



## SINGLE FAMILY RESIDENTIAL DETACHED GARAGE/SHED

The purpose of this checklist is to assist you in the submittal and permit process for your project. This checklist is intended as a basic plan submittal guideline under the 2021 International Building Code. It is not intended to cover all circumstances. Depending on the scope and complexity of your project, additional and/or more detailed plans may be required.\*\* Please note that where the word garage is used in the following details the word shed can be used in lieu of where applicable. \*\*

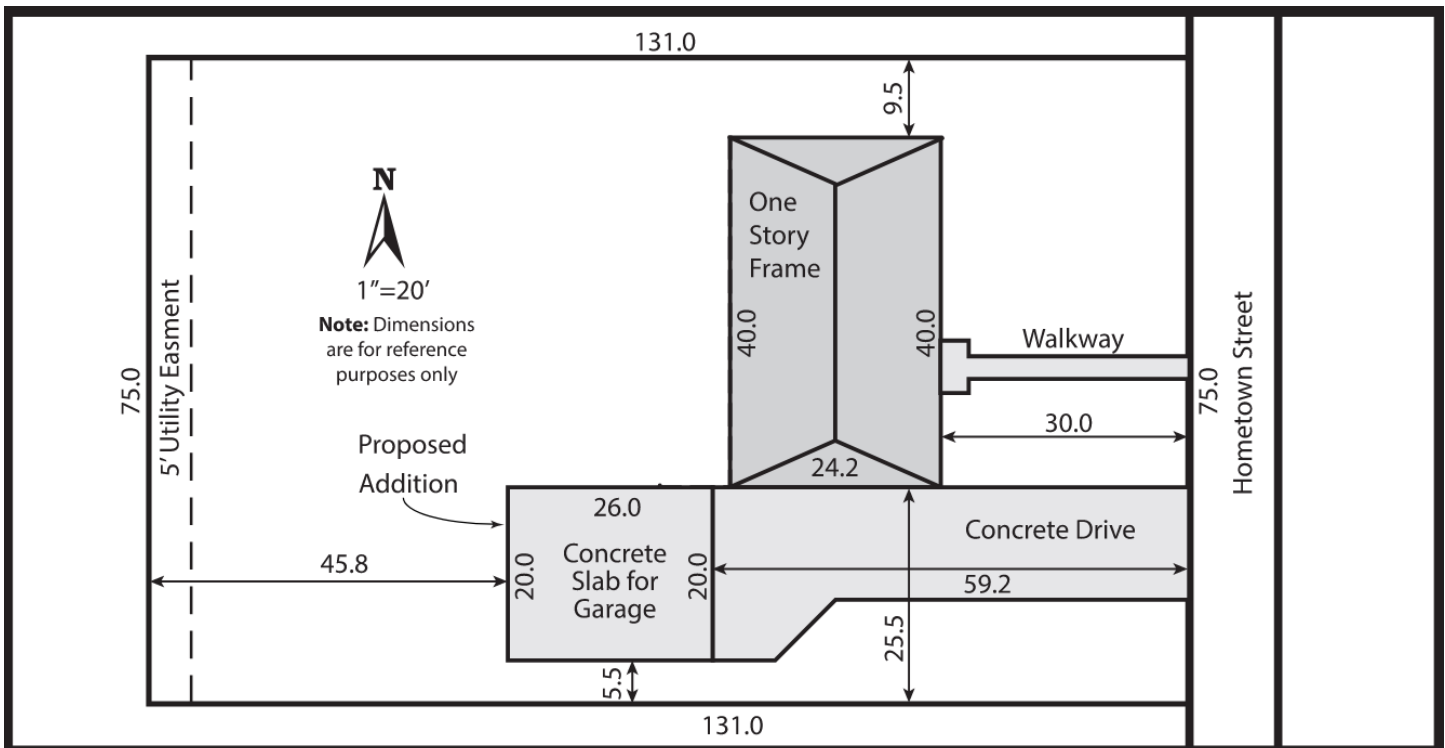
### HOW TO USE THIS GUIDE

#### SUBMIT A COMPLETED PERMIT APPLICATION

Applications may be submitted on the City of Centennial website by clicking [HERE](#). It is important that the permit/application is filled out completely to the best of your knowledge and that you provide any additional pertinent information (i.e., owner and contractor contact information). Fill in the blanks on page two (2) and indicate which construction materials will be used. It is important to print legibly to help staff review the submitted information. In most cases, the information provided within this worksheet will satisfy the City's requirement for a complete submittal.

#### PROVIDE SITE PLAN

Show the dimensions of your project and its relationship to existing setbacks easements, structures on the property, and the distance to property lines (an example is shown below). All property pins must be located. If proposed structure is less than 12" from the minimum setback required by your local zoning ordinance, an as-built survey is required. Identification of the existing location of easements is the responsibility of the property owner.





## SINGLE FAMILY RESIDENTIAL DETACHED GARAGE/SHED

### CONSTRUCTION DETAILS

#### DIRECTIONS

1. Fill in the blanks on this page with dimensions and materials which will be used to build the structure. Please print legibly.
2. Indicate in the check boxes on page three (3) which detail from page four (4) will be used.

JOB SITE ADDRESS: \_\_\_\_\_

Dimension  (OVERALL WIDTH)

Locate and detail bracing

✓ Check one

☐ Garage is heated  
☐ Garage is not heated

Show door and window header sizes and location and size of landing in front of door

✓ Check one

☐ Electricity  
☐ No Electricity

3 1/2" minimum concrete slab

✓ Check one

Indicate rafter or truss direction

Floor slope

(MINIMUM 1/4" PER FOOT)

Dimension  (OVERALL LENGTH)

( ) x header  
(example: (2) 2 x 12)

Note:  
If roof trusses or rafters bear on header, special header design may be required

Double 2x4 or 2x6 trimmers each end of overhead door header

Garage door opening

Garage door opening width

Dimension\*

Dimension\*

\* If less than 4' see Braced Wall Panel Detail on page 5 to comply with section R602.10.6.2 (IRC) (minimum width 16" with wall 10' high)

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### CONSTRUCTION DETAILS

Note: For roofs with slopes less than 4:12, follow manufacturer's instructions for low slope application of roofing material.

☐ Truss or 2x  rafters spaced " O.C.  
(example: Put checkmark in box -or- 2 x 10 Rafters Spaced 24")

Sheathing   
(example: 1/2" exterior plywood)

Minimum 1x  ridge board  
(example: 1 x 12)

Roof covering   
(example: Class A 3 tab shingles)

Underlayment   
(example: 1 layer #15 felt)

12 pitch

Ceiling Insulation   
(If heated - example: R-38)

2x  ceiling joists @  O.C.  
(example: 2 x 8 @ 24" O.C.)

Double 2x  top plate  
(example: 2 x 6)

Span   
(example: 23' 5")

Ceiling height   
(example: 8')

Siding   
(example: lap or T-111)

Wall sheathing   
(example: 1/2" exterior plywood)

2x  studs @  O.C.  
(example: 2 x 6 @ 24" O.C.)

Cont. 2x  sill plate  
(example: 2 x 6 decay resistant)

Wall Insulation   
(If heated - example: R-20 Fiberglass Batts)

Foundation Insulation   
(If heated - example: R-10)

Footing size  x   
(example: 8" x 16")

**Building Section**

Provide roof tie downs  
Solid 2x blocking between  
rafters that are 2x12 or greater

1x4" collar ties @ 48" o.c.

Span

Note: Pre-engineered roof trusses  
w/truss clips may be used in lieu of  
roof structure shown.

Diagonal wind bracing or braced wall panels  
@ corners and each 20' of wall.

Max. 10' wall height

A

Concrete Encased Ground  
required for new service

B

✓ Check one  
☐ Foundation Detail A  
☐ Foundation Detail B  
(see page 5)



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### CONSTRUCTION DETAILS

**NOTE:** If the foundation design differs from either standard Foundation Detail A or B on page (4), the foundation shall be designed and the details stamped by a Colorado registered professional engineer or licensed architect. The drawings must be noted with the engineering firm name, specific location for design and soils report number if applicable. Contact the Building Division for further information.

**NOTE:** If attic space is enclosed, provide attic ventilation in accordance with IRC R806.

### CONSTRUCTION DETAILS

