Building Materials List for Plan #572-2

- Local building code approved substitutions may be made to this list -
- Variations in construction methods and materials can require modification of this list. Every attempt is made for greatest accuracy, but typographical or human error is possible. Quantities verification by the materials supplier is recommended before materials package is finalized and/or shipped.

**Rough Framing**
- 2 x 4 x 10' 1/2" H/D/F "nail" wall framing:
  - 59 pcs.
- 2 x 4 x 12' H/D/F No. 2 for plates:
  - 221 ft
- 2 x 4 x 14' H/D/F No. 2 for lookout:
  - 8 pcs.
- 2 x 4 H/D/F No. 2 pressure-treated bottom plate:
  - 96 ft
- 2 x 10 DF No. 1 Header:
  - 10' length:
    - 2 pcs.
- 2 x 8 DF No. 1 Header:
  - 10' length:
    - 2 pcs.
- 2 x 6 DF No. 1 Header:
  - 8' length:
    - 2 pcs.
- 2 x 6 x 2'12" East Blocking with screened vent holes:
  - 26 pcs.

**Trusses**:
- 22 span, attic type: 12 - 12 slope, inc. (2) and braces:
  - 14 pcs.

**Sheathing Materials**
- 7/16" 9.3 s.f. wall sheathing:
  - 4 x 8 sheet:
    - 36 sheets
- 1/2" 5-ply C/G APA Plywood, est. glue P.I., 240 Roof:
  - 4 x 8 sheet:
    - 38 sheets

**Vapor Barrier**
- Roof 150mm thick urethane felt paper in 30' wide roll:
  - 400 ft
- Wall 78mm thick felt paper in 40' wide roll:
  - 400 ft
- Floor 150mm thick polyethylene membrane:
  - 372 sf

**Siding Materials**
- 8" textured 0.125 siding boards with 1" lap:
  - 960 sf/are
  - (alternate 7.800 sf. text (or 8'8" T-1-11 plywood) -
    - 4 x 9 sheet:
      - 32 sheets
  - Trim: 5/4 x 4 (for alt. siding, use 1x8 thick. term)
    - 8' length:
      - 11 pcs.
  - Trim: 5/4 x 4
    - 10' length:
      - 4 pcs.
  - Trim: 5/4 x 6
    - 8' length:
      - 4 pcs.
  - Fascia: 1 x 6
    - 8' length:
      - 6 pcs.
  - Rafterboard: 2 x 8
    - 20' length:
      - 2 pcs.

**Roofing Materials**
- Composition Roofing Shingles:
  - 980 sf
- Ridge Cap Material:
  - 26 ft

**Window and Door Assemblies**
- 4230 siding window(s):
  - 2 no.
- 2010 windows:
  - 1 ea.
- 1 18'-0" x 8'-0" sectional garage door:
  - 1 ea.
- 3055 exterior door:
  - 1 ea.

**Metal Parts & Misc.**
- Anchor bolts: 0.75" dia. x 10" ASTM A-307
  - 18 pcs.
- Flat welders: 2" square x 1/8" thick:
  - 18 pcs.
- Simpson H11 stud (per equal):
  - 18 pcs.
- Simpson STH10 hold-down straps (per equal):
  - 4 pcs.
- 164 6-10" screwed nails:
  - 30 lbs.
- 84 common nails @ 145 nails/lb:
  - 10 lbs.
- Roofing nails @ 210 nails/lb:
  - 11 lbs.
- Dry leveling for withstand load:
  - 39 lbs

(Note: Electrical # Mechanical Not Included In This List)

**Two Car Garage With Attic Plan #572-2**

22' x 26'

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![Building Code Compliance](Building Code Compliance)

This plan set was prepared to comply with the prescriptive requirements of the International Residential Code (IRC)

**Building Categories and Data**

- Occupancy Classification: "U"
- Construction Type: "V"
- Grade-to-Ridge Height: 21'-0" (T)
- Gross Building Area: 572 SF

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**Parameters For Design**

- **Wind Speed**: 100 mph - 3 sec. gust
- **Wind Exposure**: "B"
- **Seismic Category**: A, B and C
- **Snow Load**: 30# / sq. ft.

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**Building Code Compliance**

1. Slope or depth, span and spacing:
2. Location of joist:
3. Required bearing widths:
4. Design loads as applicable:
5. Top chord live load (including snow loads):
6. Top chord dead load:
7. Bottom chord live load:
8. Bottom chord dead load:
9. Connection between beams and purlins:
10. Controlling wind and earthquake loads:
11. Adjacencies of beam and panel connection plate design value for conditions of use:
12. Each section butt and splice:
13. Metal connector plate type, size, thickness, size, and the dimensional location of each metal connector plate except where dynamically forced values to the join conditions:
14. Lumber size, spacing and grade for each member:
15. Connection requirements for:
   - until 2.5 times glulam
   - until 1.5 times purlin:
16. Lumber sizes:
17. Calculated deflection ratio or maximum deflection for live and dead loads:
18. Metal or wood composite members in the truss:
19. Additional materials and connections for the purpose of required connection:
20. Additional materials and connections for the purpose of required connection:
21. Additional materials and connections for the purpose of required connection:
22. Additional materials and connections for the purpose of required connection:
23. Additional materials and connections for the purpose of required connection:
FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

- Foundation shown is stemwall/footing configuration. This corner shows monolithic slab footing alternative size.
- Use of conf. concrete footing below, typ.
- Foundation plan dimensions are to face of concrete or centerline of bearing, as shown.
- Embedded holdowns required, see alternate braced wall panel details.

2-CAR GARAGE

CONCRETE SLAB FLOOR

SCALE: 1/4" = 1'-0"

- 2 x 4 framed wall, typ.
- Double 2 x 10 header
- 16" wide x 8" high garage door
- Smaller sized door may be substituted
- Construct as alternate braced wall panel, (verify)

LEGEND

- Switch location
- Ceiling mounted light fixture
- 110 volt duplex outlet
- Exterior wall mount light fixture
- Electric panel or sub-panel locate & install per local codes
- 110 volt duplex outlet (exterior)

NOTE:
- Building depth dimension may be adjusted as preferred. Exception: door oversized than 26 & 1/2". Exact alternate dimension shall be noted on this floor plan. If building to alternate dimension, materials list quantities will need to be revised accordingly.
- Note: for concrete foundation details, see vertical wall section.
- Foundation walls shown are to face of concrete or centerline of bearing, as shown.
- Alternate depth dimension shown.

Braced walls as per IRC R602.10, as applicable for local codes.

See exterior elevations for window sizes and function.

Note: Window & door sizes are shown ft.-inches x ft.-inches nominal. Verify as manufactured sizes. Windows may be omitted as preferred.
GARAGE DOOR DETAIL

3/4" = 1'-0"

NOTE: DOOR AND WINDOW COMPONENTS SHOWN ARE GENERIC AND ACTUAL PRODUCTS MAY VARY SLIGHTLY IN CONFIGURATION.