Building Materials List for Plan # 1152-3

~ 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.

Concrete & Reinforcements For Monolithic Slab/Footing
Poured-in-place concrete----------(min) 21.5 cy
#4 Reinforcing Steel Bar ASTM A-615 grade 40--- 511.2 lf 26 - 20' pcs.
W/6 x 6 - w1.4 x 1.4 wire mesh---------- 1116 sf = 280 lf of 4' roll

Concrete & Reinforcements For Stemwall/Footing Foundation
Poured-in-place concrete---------- (min) 21.5 cy
#4 Reinforcing Steel Bar ASTM A-615 grade 40--- 901 lf-45 - 20' pcs.
W/6 x 6 - w1.4 x 1.4 wire mesh---------- 1042 sf = 262 lf of 4' roll

Rough Framing
2 x 4 x 103 ½" HF/DF "stud" wall framing ---------- 136 pcs.
2 x 4 x 120" HF/DF "stud" wall framing (for int. braced walls)---- 10 pcs.
2 x 4 HF/DF wall horiz. blocking ----------80 lf
3 ½" x 10 ¼" LVL Header (2950Fb 2.0E)----19' length--- 1 pcs.
2 x 6 DF No. 1 Header ----------10' length--- 5 pcs.
2 x 6 DF No. 1 Header ---------- 8' length--- 1 pcs.
2 x 4 x HF/DF No. 2 for wall top plates ---------- 306 lf
2 x 4 HF/DF No. 2 press-trtd. bottom plate material-- 153 lf
2 x 4 HF/DF No. 2 for lookouts ---------- 48 lf
2 x 4 x 22-1/2" Eave Blocking w/ screened vent holes-- 48 pcs.
Trusses: 4 : 12 slope 24' span, incl.(2) end--- 25 pcs.

Sheathing Materials
7/16" o.s.b. ---------- 4x8 sheet---- 47 sheets
15/32" 5-ply C-D APA Plywood, ext. glue, 4x8 sheet---- 46 sheets

Vapor Barrier
Roof 15# bituminous felt paper in 36" wide roll----- 562 lf
Wall 7# bituminous felt paper in 40" wide roll ----- 480 lf
Floor .006" black polyethylene membrane---------- 1152 sf

Siding Materials
8" textured o.s.b. siding boards -- area = 1140 sf
(alternate) 7/16" o.s.b. text.(or 5/8" T1-11 plyw'd)-4x9 sheet--- 33 sheets
Cedar Trim: 5/4 x 4 (for alt. siding, use 1 x trims) 8' l.--- 15 pcs.
Cedar Trim: 5/4 x 4 ---------- 9' l.--- 4 pcs.
Cedar Trim: 5/4 x 4 ----------10' l.--- 2 pcs.
Cedar Trim: 5/4 x 3 ----------9' l.--- 4 pcs.
Cedar Fascia: 1 x 6 ---------- 100 lf
Cedar Rakeboard: 2 x 6 ---------- 16' length-- 4 pcs.

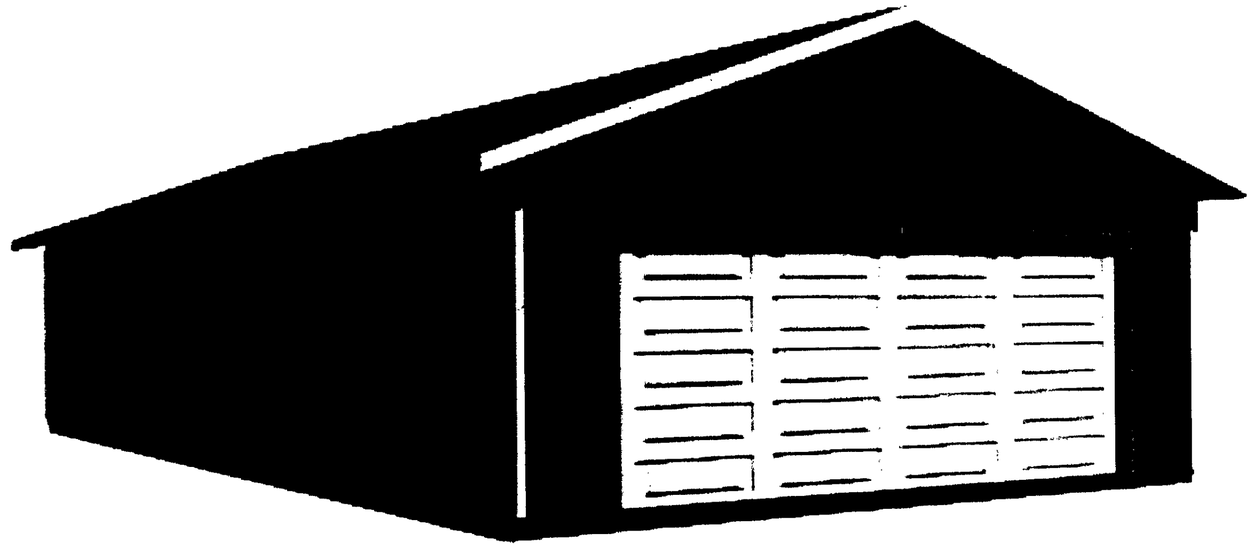
Roofing Materials
Composition Roofing Shingles----------roof area = 1405 sf
Ridgevent material---------- 48 lf

Window and Door Assemblies
18'-0" x 7'-0" sectional garage door---------- 1 ea.
3068 exterior door---------- 1 ea.
4030 slider window(s)---------- 5 ea.

Metal Parts & Misc.
Drip flashing for window/door heads---------- 41 lf
Anchor bolts: 1/2" dia.x 10" ASTM A-307/A-325,type X--- 26 pcs.
Anchor bolts: 1/2" dia.x 8" ASTM A-307/A-325, type X--- 4 pcs.
Flat washer: 2" x 2" square x 3/16" thick---------- 30 pcs.
Simpson STHD10 hold-down straps (or equal)---------- - 4 pcs.
Simpson A35 clips (or equal)---------- 6 pcs.
Simpson H10 clips (or equal)---------- 68 pcs.
16d sinker nails ---------- 50 lbs.
8d common nails @ 145 nails / lb. ---------- 40 lbs.

~ To advise corrections, call 1-800-210-6776 Thank you.~.

(electrical, mechanical and finishing materials not included in this list)



GARAGE PLAN #1152-3

(shown with alternate panel siding)

Truss Requirements

2303.4.1 Truss design drawings. Truss construction documents shall be prepared by a registered design professional and shall be provided to the building official and approved prior to installation. These construction documents shall include, at a minimum, the information specified below. Truss shop drawings shall be provided with the shipment of trusses delivered to the job site.

1. Slope or depth, span and spacing;
2. Location of joints;
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. Concentrated loads and their points of application;
10. Controlling wind and earthquake loads;
11. Adjustments to lumber and metal connector plate design value for conditions of use;
12. Each reaction force and direction;
13. Metal connector plate type, size, thickness or gage, and the dimensioned location of each metal connector plase except where symmetrically located relative to the joint interface;
14. Lumber size, species and grade for each member;
15. Connection requirements for:
    15.1. Truss to truss girder;
    15.2. Truss ply to ply; and
    15.3. Field splices.
16. Calculated deflection ratio or maximum deflection for live and total load;
17. Maximum axial compression forces in the truss members to design the size, connections and anchorage of the permanent continuous lateral bracing. Forces shall be shown on the truss construction documents or on supplemental documents; and
18. Required permanent truss member bracing location.

Building Code Compliance

This planset was prepared to comply with the prescriptive requirements of the 2009 edition of the International Residential Code (IRC)

Parameters For Design

Wind Speed:
100 mph - 3 sec. gust

Wind Exposure: "B"

Seismic Category:
A, B and C

Snow Load: 30# / sq. ft.

Building Categories and Data

Occupancy Classification: "U"

Construction Type: "V"

Grade-To-Ridge Height: 14'-2"

Gross Building Area: 1152 SF

BEHM DESIGN BUILDING PLANS

QUESTIONS? CALL
1-800-210-6776
WWW.BEHMDESIGN.COM

PLAN NO. 1152-3

DESIGN BY:

DATE: 12/09

updated 04/11

SY2-11-298

SHEET CONTENTS:
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