



CITY OF COEUR D'ALENE

GROWTH SERVICES DEPARTMENT
BUILDING DIVISION

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RESIDENTIAL FIRE-RESISTIVE CONSTRUCTION

		Supporting Member Spacing	5/8 Type "X" GWB	Edge and Field Screw Pattern	Screw Length ASTM C 1002
Roof / Floor	I-Joists LPI BCI WSI TJI Or Roof Trusses	24" o.c. or 19.2" o.c.	Base Layer	24" o.c.	1 1/4"
			Face Layer <i>Joints offset 24" from base layer. 1 1/2" type "G" screws, 12" o.c., placed 2" back on either side of end joints are required.</i>	12" o.c.	1 7/8"
		16"			
	Dimensional Lumber 2"x10" or greater	24" o.c. or 19.2" o.c.	Base Layer	24" o.c.	1 1/4"
			Face Layer <i>Joints offset 24" from base layer. 1 1/2" type "G" screws 12" o.c., placed 2" back on either side of end joints are required.</i>	12" o.c.	1 7/8"
		16" o.c.	Face Layer <i>Base layer not required</i>	6" o.c.	1 7/8"
Walls	24" o.c.	Supporting walls that are common with the house and garage.	7" o.c.	1 7/8"	
	16" o.c.		12" o.c.	1 1/4"	
Beams/ Columns	Required protection with a one-hour separation or verify the unprotected beam/column complies with a one-hour fire-resistive construction.				
Stairs	Enclosed accessible space under stairs shall follow the same guidelines as Roof/Floor and Walls.				

Fastener Substitutions:

Nails shall comply with ASTM F 547 or ASTM C 514 which are permitted to be substituted for the prescribed screws, one for one, when the length and head diameter of the nails specified in the tested system and the screw spacing does not exceed the spacing specified for the nails in the tested systems.

Alternate fasteners for double layer floor/ceiling and/or roof/ceiling assemblies having the same spacing as screws may be 1 7/8" six-penny cooler, box or wallboard nails for the base ply and 2 3/8" eight-penny cooler, box or wallboard nails for the face ply

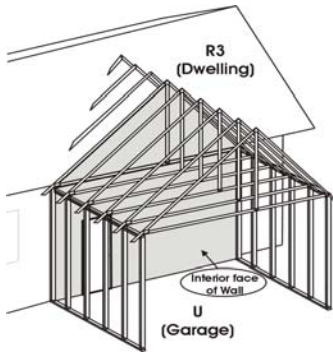


Figure 1

Gray area – Drywall must extend from foundation to the bottom of roof sheathing. Firewall can extend horizontally into the garage trusses using the "Roof/Floor" assembly.

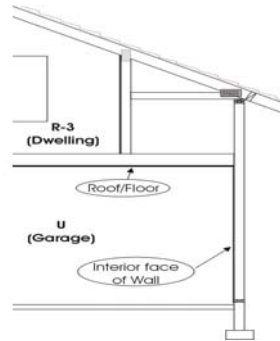


Figure 2

The "Wall" assembly is used when the garage and house share a common wall, and for walls supporting fire separation.

Deleted: 12/28/2004

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