

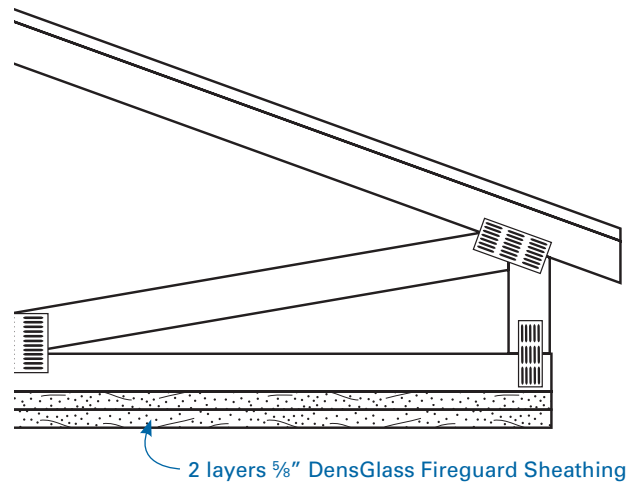
## Roof Ceiling Systems Florida Building Code, 5th edition (2014) Residential

**One hour rated soffit assemblies options to meet Florida Building Code, 5th edition (2014), Residential, Chapter 3 Building Planning, Table 302.1 (1) and Table 302.1 (2)**

### **OPTION 1<sup>1</sup>** Gypsum Association Fire Resistant Design Manual (GA 600) 21st Edition GA File No. RC 2602 using 5/8" DensGlass® Fireguard® Sheathing

#### WOOD TRUSSES, GYPSUM WALLBOARD

Base layer 5/8" DensGlass® Fireguard® Sheathing applied at right angles to wood roof trusses 24" o.c. with 1 1/4" Type W or S drywall screws 24" o.c. Face layer 5/8" DensGlass Fireguard Sheathing at right angles to trusses with 1 7/8" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1 1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood trusses supporting 1/2" wood structural panels applied at right angles to trusses with 8d nails. Appropriate roof covering. Ceiling produces one hour fire resistance protection for trusses.

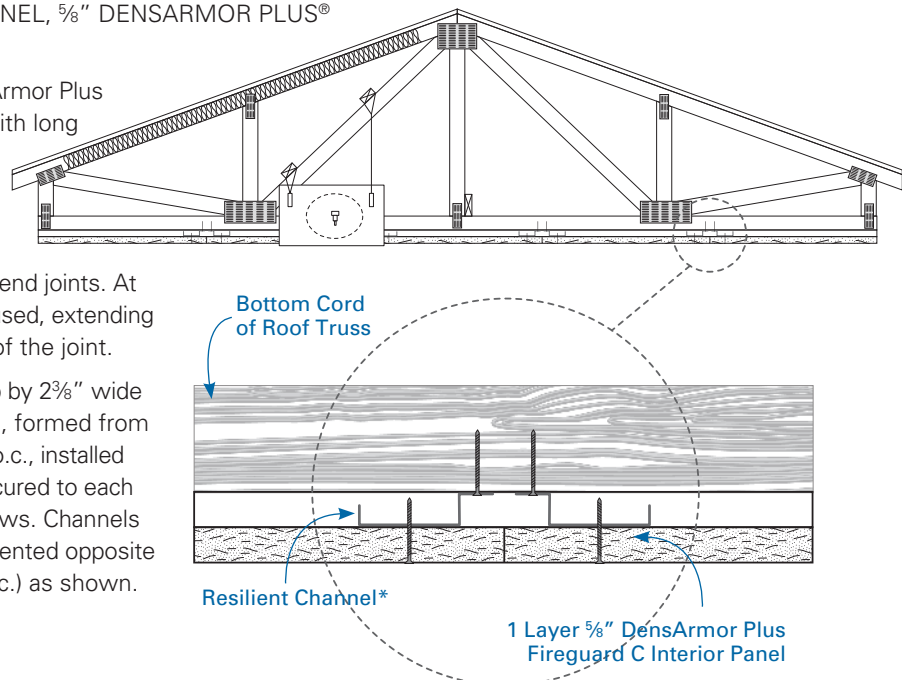


### **OPTION 2<sup>1</sup>** UL Fire Resistant Directory, Design No. P554 Unrestrained Assembly Rating – 1 Hour, Finish Rating – 25 Min.

#### WOOD TRUSSES, RESILIENT CHANNEL, 5/8" DENSARMOR PLUS® FIREGUARD C® INTERIOR PANELS

Base layer 5/8" thick, 48" wide DensArmor Plus Fireguard C Interior Panels installed with long dimension perpendicular to resilient channels with 1" Type S screws. Screws spaced 1/2" and 6" from the side joints, and 12" o.c. in the rest of the field. Screws spaced 3" from the end joints. At end joints, two resilient channels are used, extending a minimum of 6" beyond both ends of the joint.

\*Resilient channels, nominal 1/2" deep by 2 3/8" wide at the base and 1 3/8" wide at the face, formed from 0.020" thick galv. steel, spaced 16" o.c., installed perpendicular to trusses. Channels secured to each truss with 1 1/4" long Type S steel screws. Channels overlapped 4" at splices. Channels oriented opposite at wallboard butt joints (spaced 6" o.c.) as shown.



<sup>1</sup> The design assemblies presented above are for illustrative purposes only. It is important that you consult a design professional and the appropriate fire resistance directory or test report for complete assembly information and related information. Georgia-Pacific Gypsum does not provide architectural or engineering services. For additional fire safety information concerning Georgia-Pacific Gypsum's products, visit [www.buildgp.com/safetyinfo](http://www.buildgp.com/safetyinfo).

Florida Building Code, 5th Edition (2014)  
 Excerpt from Table 302.1(1) **Exterior Walls**

Exterior Wall Element	Minimum Fire-Resistance Rating	Minimum Fire Separation Distance
Walls – Fire Resistant Rated	1 hour -tested in accordance with ASTM E119 or UL 263 with exposure from both sides	Less than 5 feet
Walls – Not Fire Resistant Rated	0	Greater or equal than 5 feet
<b>Projections – Fire Resistant Rated</b>	<b>1 hour underside</b>	<b>Greater or equal than 2 feet to less than 5 feet</b>
Projections – Not Fire Resistant Rated	0	Greater or equal than 5 feet

Florida Building Code, 5th Edition (2014)  
 Excerpt from Table 302.1(2) **Dwellings with Sprinklers**

Exterior Wall Element	Minimum Fire-Resistance Rating	Minimum Fire Separation Distance
Walls – Fire Resistant Rated	1 hour -tested in accordance with ASTM E119 or UL 263 with exposure from both sides	0
Walls – Not Fire Resistant Rated	0	3 feet*
<b>Projections – Fire Resistant Rated</b>	<b>1 hour underside</b>	<b>2 feet*</b>
Projections – Not Fire Resistant Rated	0	3 feet

\* For residential subdivisions where all dwellings are equipped throughout with automatic sprinkler systems installed in accordance with Section P2904, the fire separation distance for non-rated exterior walls and rated projections shall be permitted to be reduced to 0 feet, where the adjoining lot provides an open setback yard that is 6 feet or more in width on the opposite side of the property line.



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**CAUTION** For product fire, safety and use information, go to [www.buildgp.com/safetyinfo](http://www.buildgp.com/safetyinfo) or call 1-800-225-6119.

**FIRE SAFETY CAUTION** Passing a fire test in a controlled laboratory setting and/or certifying or labeling a product as having a one-hour, two-hour, or any other fire resistance or protection rating and, therefore, as acceptable for use in certain fire rated assemblies/systems, does not mean that either a particular assembly/system incorporating the product, or any given piece of the product itself, will necessarily provide one-hour fire resistance, two-hour fire resistance, or any other specified fire resistance or protection in an actual fire. In the event of an actual fire, you should immediately take any and all actions necessary for your safety and the safety of others without regard for any fire rating of any product or assembly/system.