

## *Installing ZIP System® R-Sheathing over Metal Framing*



ZIP System® R-Sheathing panels consist of an oriented strand board panel with a water-resistive membrane laminated on the exterior face and a rigid foam insulation panel bonded on the opposite (interior) face. When properly installed and taped, ZIP System® R-sheathing provides a water-resistive barrier, air barrier, and exterior insulation in one product. Because of this combination of benefits, building designers occasionally inquire about the use of ZIP System® R-Sheathing over light-gauge metal studs. ZIP System® R-Sheathing may be used over light-gauge metal framing without voiding the 30 year limited warranty provided the conditions and limitations noted below are followed.

### *ZIP System R-Sheathing Application Over Light-Gauge Metal Framing*

- May only be used in buildings defined as Type V construction in accordance with the International Building Code (IBC) or construction permitted under the International Residential Code (IRC).
- ZIP System® R-Sheathing is permitted in wall construction assemblies only. Do not use on roofs.
- Not intended or recognized for lateral bracing or lateral load resistance.
- A thermal barrier must be installed per code.
- ZIP System® R-Sheathing may not be used with metal studs in fire rated assemblies.
- All panel joints must be sealed with ZIP System™ tape or ZIP System™ liquid flash.
- Secondary coatings may not be applied to ZIP System® R-Sheathing.
- Please refer to ZIP System® R-Sheathing Installation Manual for additional information and limitations.
- Follow light-gauge metal manufacturer's installation information for proper installation of all light-gauge metal framing components.

## Fastening Information

Tested fasteners used to attach ZIP System® R-sheathing to light-gauge metal framing are shown in the table below. Other fasteners can be used to attach ZIP System® R-sheathing to light-gauge metal framing. Check with fastener manufacturer and/or designer of record (DOR) for proper fasteners. When using screws that are not listed in the table below, ensure the screws are bugled head, self-tapping, meet the minimum diameter and proper length. Fastener spacing shall be 6" o.c. along the perimeter and 12" o.c. in the field of each panel.

Panel Type	Fastener Type	Brand	Part #	Length (in.)	Head Dia	Shank
R-3 (1/2" Foam)	Pin	Aerosmith Versapin™ Gripshank®	2385AG	1.5	0.312	0.100
R-3 (1/2" Foam)	Pin	Nail Pro®	15112100K300HC	1.5	0.300	0.100
R-3 (1/2" Foam)	Screw	Simpson Strong-Tie® Self-Drilling Bugle-Head Screw	F08T162BD*	1.625	0.344	#8
R-6 (1" Foam)	Pin	Aerosmith Versapin™ Gripshank®	2505SBG	2.0	0.312	0.100
R-6 (1" Foam)	Pin	Nail Pro®	15200100K300HC	2.0	0.300	0.100
R-6 (1" Foam)	Screw	Simpson Strong-Tie® Self-Drilling Bugle-Head Screw	F08T200BD*	2.0	0.344	#8
R-9 (1.5" Foam)	Pin	Aerosmith Versapin™ Gripshank®	2635SBG	2.5	0.312	0.100
R-9 (1.5" Foam)	Pin	Nail Pro®	15212100K300H	2.5	0.300	0.100
R-9 (1.5" Foam)	Screw	Simpson Strong-Tie® Self-Drilling Bugle-Head Screw	F10T250BD*	2.5	0.344	#10
R-12 (2" Foam)	Pin	Nail Pro®	15300100K	3.0	0.250	0.100
R-12 (2" Foam)	Screw	Simpson Strong-Tie® Self-Drilling Bugle-Head Screw	F10T300BD*	3.0	0.344	#10

\* Last letter of part # depends on quantity ordered