JoistRite™ Components

1. Track
   • Use a screw gun with an adjustable depth setting nosepiece. Stand the JoistRite Track on the long flange before sheathing is applied.

2. Track and Joist
   • Tack the JoistRite Track down with a power setting nosepiece. Twist the joist into its vertical position, lining it up with the dimples on the JoistRite Track. Lining it up with the dimples on the JoistRite Track.
   • Tack the JoistRite Track down with a power setting nosepiece. Slide JoistRite Solid Blocking into the desired location. Fasten the JoistRite Track to the JoistRite Track.

3. Web Stiffeners
   • JoistRite Web Stiffeners are the very first to come with predrilled holes and precast to fit standard joist spacing, allowing for same time, labor, and deflection is reduced. Select the appropriate floor joists based on the required floor loading, and mechanical services are installed with ease.

4. Drawing
   • Unlike traditional blocking, JoistRite Solid Blocking comes equipped with unique tabs that eliminate the need for additional connections or fasteners—and additional clamping or fastening. The product is also precast to fit between the joists, resulting in more stability based on less labor.

Installation Suggestions

How to Secure the JoistRite™ Track

The JoistRite Track is the same as a rim joist in wood framing. For steel, it can be not only flat on the concrete, or up to an edge of a wood sill plate.

• The JoistRite Track can be set on a wood plate or directly on level concrete.
• When setting on level concrete, early building paper before placing JoistRite Track.
• Set on the masonry first.
• See building code or prescriptive method for anchoring to structure.
• Stand the JoistRite Track on the long flange, with the webs on the outside of the foundation wall.
• Tack the JoistRite Track down with a power actuated fastening, screw or brace to keep it straight.

How to Set JoistRite

• Stand JoistRite™ on an angle and slip the end of the joist inside the JoistRite Track.
• Twist the joist into its vertical position, lining it up with the dimples on the JoistRite Track.

How to Apply Sub Flooring

• Use the correct thickness sub flooring allowed before sheathing is applied.
• Slide JoistRite Solid Blocking into the desired location. Fasten the JoistRite Track to the JoistRite Track.

Construction Tips

On Your First Job. Custom Material List
Covers the Required Amount Needed
Always track the best in the field. "Tail" or "tail" the same amount of material to the floor areas. It is important that extra material is ordered to assure same time in the framing.

Use the Largest Depth Joist Possible
The largest number of floor joist, plumbing, electrical and mechanical services are installed with ease and deflection is reduced. Smaller JoistRite depths are available to meet most height restrictions.

Do Not Peel Steel Joist in Direct Contact with Certain Materials
Do not put steel joists in contact with paper, pressure treated lumber, ACQ or Portland cement based products. Use recommended or protective barrier. Use of oil base or paint is recommended.

Be Familiar with Standard Steel Designators
Those are to understand and are the standards for which steel framing products are designed. This is the universal system industry the professional industry. Visit www.steel framing.com and view the technical library for information. Refer to the General Information section of this guide for more information.

Always the Familiar with Plans
Always check the plans to secure floor joists are installed according to design criteria.

Super direction and starting points are important so that the JoistRite brackets (tabs) are in line. This also requires JoistRite blocking to be installed between every other joint at this bearing point. See detail JR 4 on opposite side. The blocking keeps the joints from sliding and stabilizes the floor. The perfect solution for this application is the use of one piece JoistRite blocking system for easy installation.

JoistRite™ Accessories

Steel Joist Hanger (SJH/CT)
Reinforcing and Strainable Angles (S/S)
Utility Clip (UXA)
Hangers (SLBV)

JoistRite™ Steel Floor System Installation Guide

A part of the FrameRite® Building Systems

Drawings provided courtesy of Simpson Strong-Tie Co.

General Information

With JoistRite there really should never be a reason to cut the joist for the passing of trades. The larger dispersed opening makes it easier to install HVAC, plumbing and electrical trades right through anyal of framing. Custom orders can be manufactured with specific start and stop locations of the trades if necessary. Faster cut through is JoistRite !joist without engineering approval.

Perfect for Trades

From MarinoWARE® , creator of the Revolutionary FrameRite™ family of proprietary framing solutions comes TM , one of the most comprehensive line of cold formed steel framing connections. Designed to significantly reduce time, labor, materials and costs, FrameRite Connectors facilitate quicker and more cost effectively installation. Along with our partner Simpson Strong-Tie® , the industry leader in connectors, we offer over 300 variables of connectors, covering every need required encountered on the job site. Small cuts, labor and money. FrameRiteTM Connectors give you more control, more options, and more ways to build better with steel.
The specific size, gauge, spacing, fasteners, and connections shall be engineered for specific loading and framing conditions. Therefore, these drawings do not take into consideration the overall stability of the structure. It is the responsibility of the E.O.R. to design the floor diaphragm and all relevant connections to complete the building path due to wind and seismic loads.

Joist must bear directly over stud bearing, if not, a distribution member is required on top of the load bearing wall for proper bearing and anchorage. A 1/8" maximum gap is permitted between rim track and end of joist. No notching or cutting of JoistRite or the knockout cuts is allowed. Contact a licensed professional engineer for guidance before cutting holes. Temporary bracing must be installed at the time of erection. Precautions must be taken to avoid construction loads exceeding design live loads. Joist bridging must be installed at the time the floor is erected. Failure to install bridging at this time may compromise the structural integrity.

All splice requirements for joists must be determined through engineering analysis. All splices must be made over a support. Galvanized steel joists should not come in direct contact with pressure treated lumber or concrete.