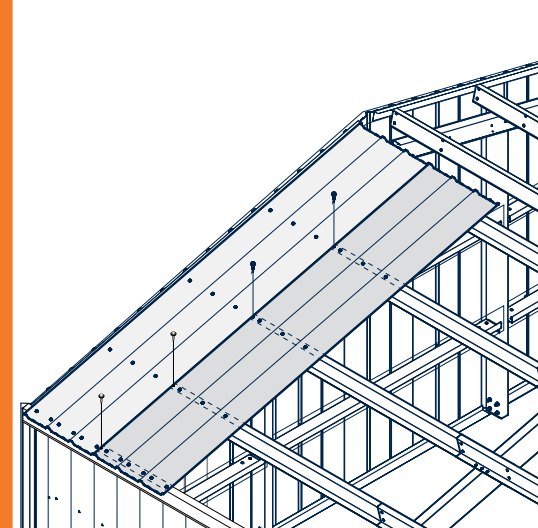
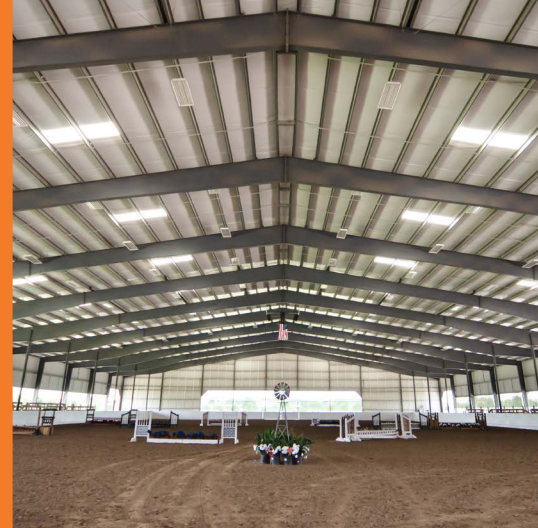
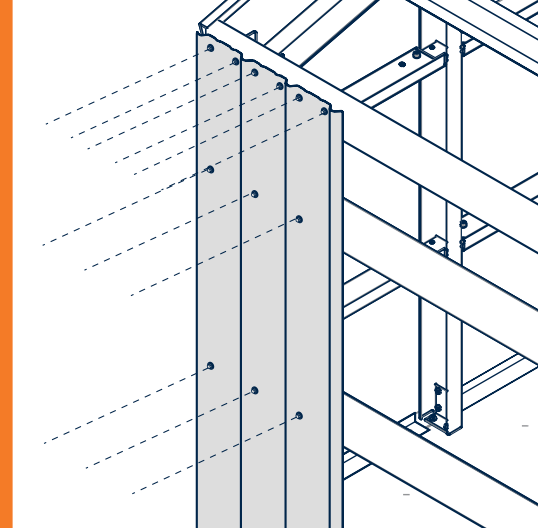




WHIRLWIND STEEL
BUILDINGS & COMPONENTS

UNDERSTANDING PRE-ENGINEERED METAL BUILDINGS



OUR STORY

Whirlwind Steel Buildings and Components was founded in Houston, Texas in 1955 by C.O. Sturdivant. Originally a manufacturer of whole-house attic fans, by 1961 Whirlwind had expanded into manufacturing metal building components including panels, secondary structural framing, and trim. Today, Whirlwind Steel remains 100% family owned and has completed over 40,000 building projects.

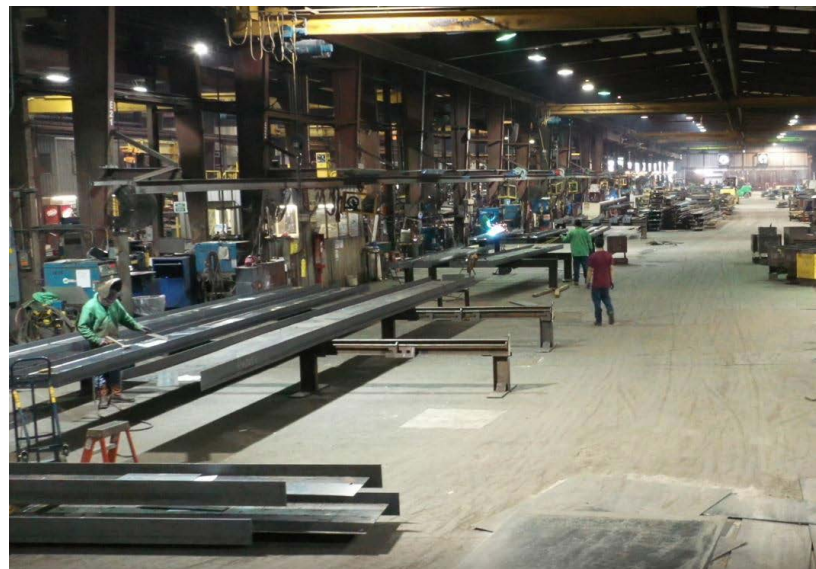
In 1966, seeing the growing demand for metal buildings, C.O. Sturdivant hired a structural engineer to help begin the design and manufacture of pre-engineered building systems, in addition to complimentary component parts. At the passing of C.O. Sturdivant in 1972, his son Jack Sturdivant took over the rolls of President and CEO.

Jack grew the company from a small regional metal building manufacturer into a major business serving the needs of customers that include contractors, builders, architects, business owners, governmental organizations, and consumers with plants in Texas, Georgia, and Oklahoma.

In 2001, Jack's son Ty Sturdivant joined the company taking over the role of President in 2012. Today, Ty and Jack work closely with the Whirlwind Leadership Team, offering customers over 260 years of combined professional experience.



WHIRLWIND STEEL
BUILDINGS & COMPONENTS



At the heart of all that we do is to provide a building experience and focus on relationship that's second to none, so we've developed our business around six core values that help us live up to our mission — **to build for life.**

R

RELATIONSHIPS WITH MUTUAL RESPECT

Mutual respect is the key to mutual success. Honesty, integrity and fairness for all.

A

ACT WITH PURPOSE

We hold ourselves to the highest level of accountability so our customers, coworkers and suppliers will be confident that we'll do what we say we will, every time.

P

PASSION FOR LIFE

We develop lifelong relationships with our customers, coworkers and suppliers, making sure that we deliver on time, without compromising safety.

I

INNOVATE AT EVERY LEVEL

We don't just accept change. We embrace it. Our company was built on an entrepreneurial spirit. Innovation from within has been a key element to our success.

D

DEDICATION TO EXCELLENCE

We're committed to excellence in every part of our business. We are focused on providing industry leading product quality, efficiency and customer service.

C

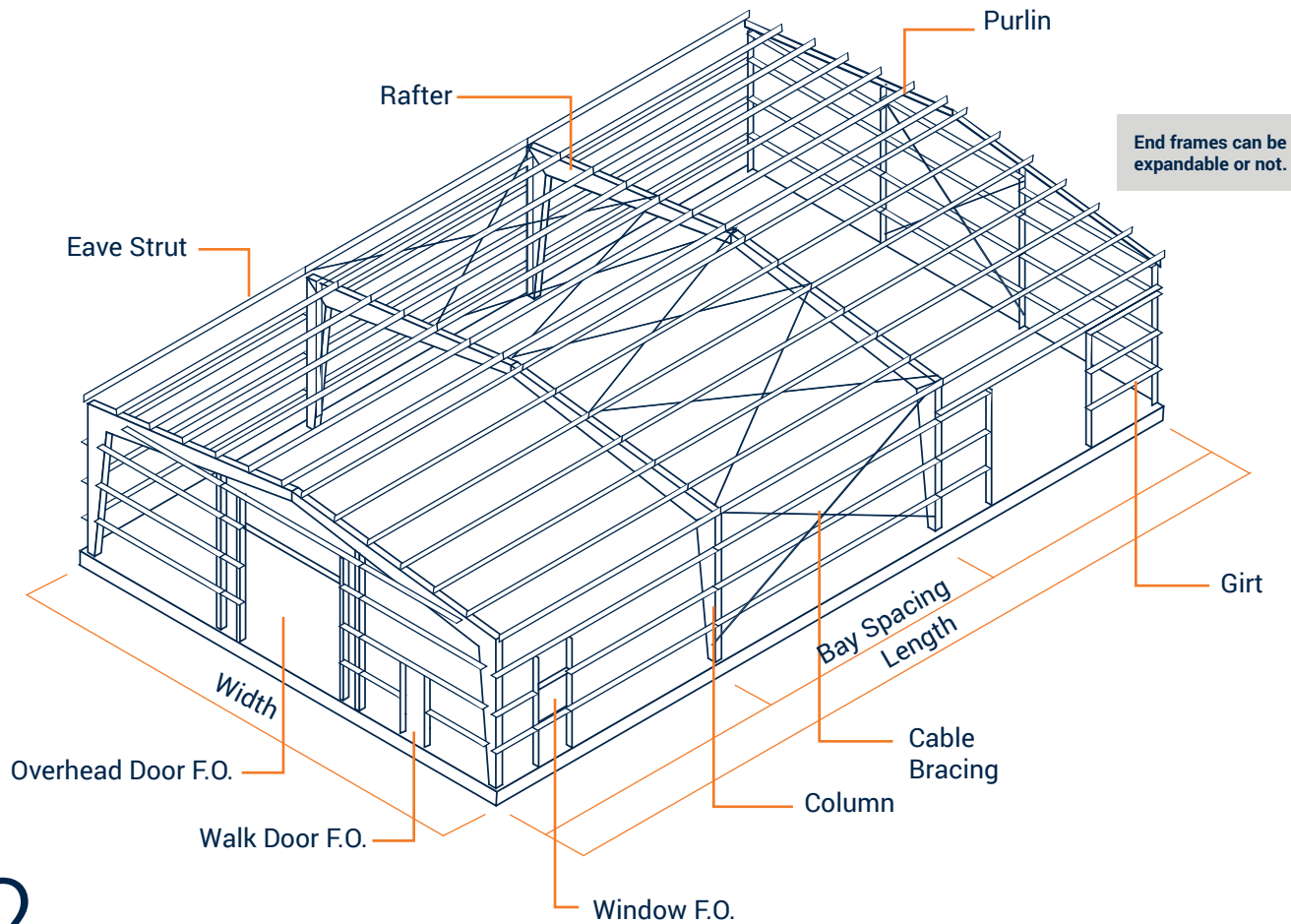
CREATE RAVING FANS

We go above and beyond to ensure an exceptional experience. We create raving fans!



01 PRE-ENGINEERED METAL BUILDINGS

The unique benefits of pre-engineered metal buildings are well known to contractors, erectors, architects and the people who use and work in these buildings. Experience counts when it comes to designing and manufacturing a metal building, and making sure the work is done in a timely and economical manner. That's why Whirlwind Steel has been the partner of choice on over 240,000 projects during our 65 years as a family run business. And we understand how important it is that everyone involved with a metal building project have a basic understanding of how our pre-engineered metal buildings work.



02 FRAME TYPES

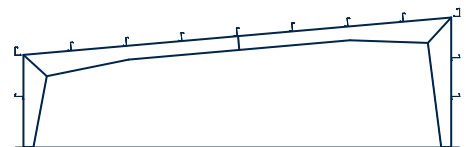
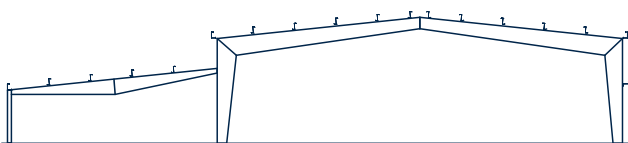
Welded framing ensures the strongest and most durable structure. A sample of the most common frame types are described below. An important feature of a pre-engineered metal building is the flexibility to mix and match these frames to create custom designs for most applications.

WELDED RIGID FRAME WITH OPTIONAL LEAN-TO

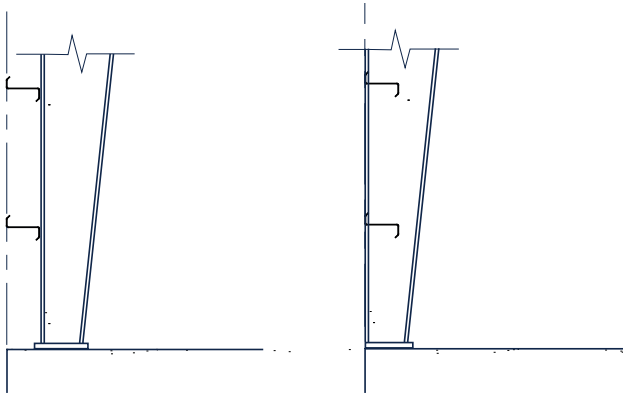
Rigid Frame buildings provide for the widest possible spans without using interior columns. The use of tapered members ensures the most economical frame structure. Additionally, a Lean-To can be attached to a Rigid Frame structure and is perfect for adding office space, or expanding existing structures.

SINGLE SLOPED WELDED RIGID FRAME

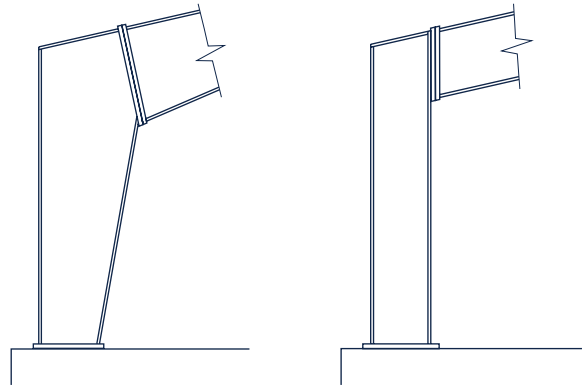
Where drainage restrictions are a design issue, such as strip centers and shopping malls, a Single Sloped Rigid Frame is the perfect solution. Options include straight columns that can also be used for interiors.



BY-PASS VS. FLUSH GIRT

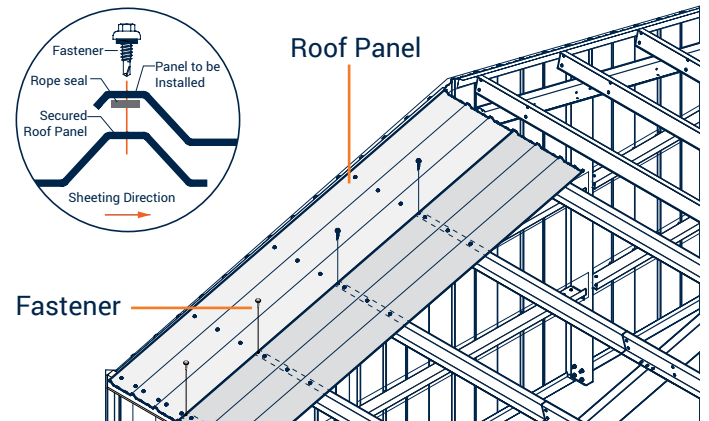
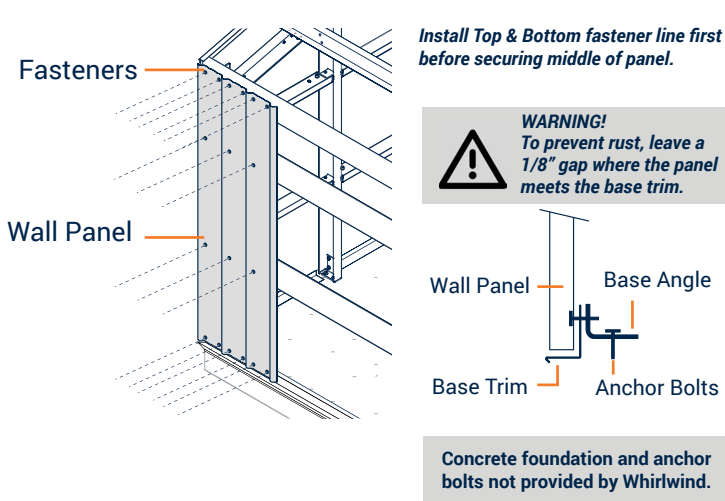


TAPERED VS. STRAIGHT COLUMN



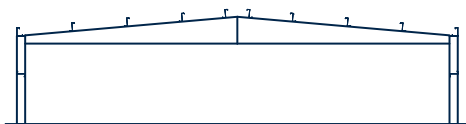
ROOF & WALL PANELS

One of our most popular and flexible panel choices, Whirlwind Steel's Super Span X, can be used for both wall and roofing applications. Super Span X gives you a full line of trim, hardware and accessories to customize your metal building project. Whirlwind Steel offers the industry standard steel gauges, 26 and 24, in a variety of colors that provide the highest quality paint finishes. We also offer both heavier and lighter gauges when called for, just ask your sales manager for other options. Depending on your choice of products, warranties are available for up to 40-years.



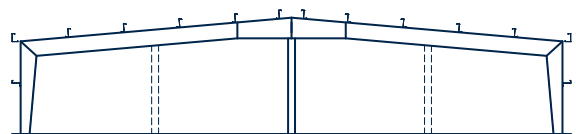
WELDED TAPERED BEAM

Tapered Beam buildings provide for maximum floor space and offer options to reduce the cost of the foundation. The straight sidewalls allow for easy installation of interior finish-out. Tapered Beam offers a perfect mix of flexibility and economy for your building project



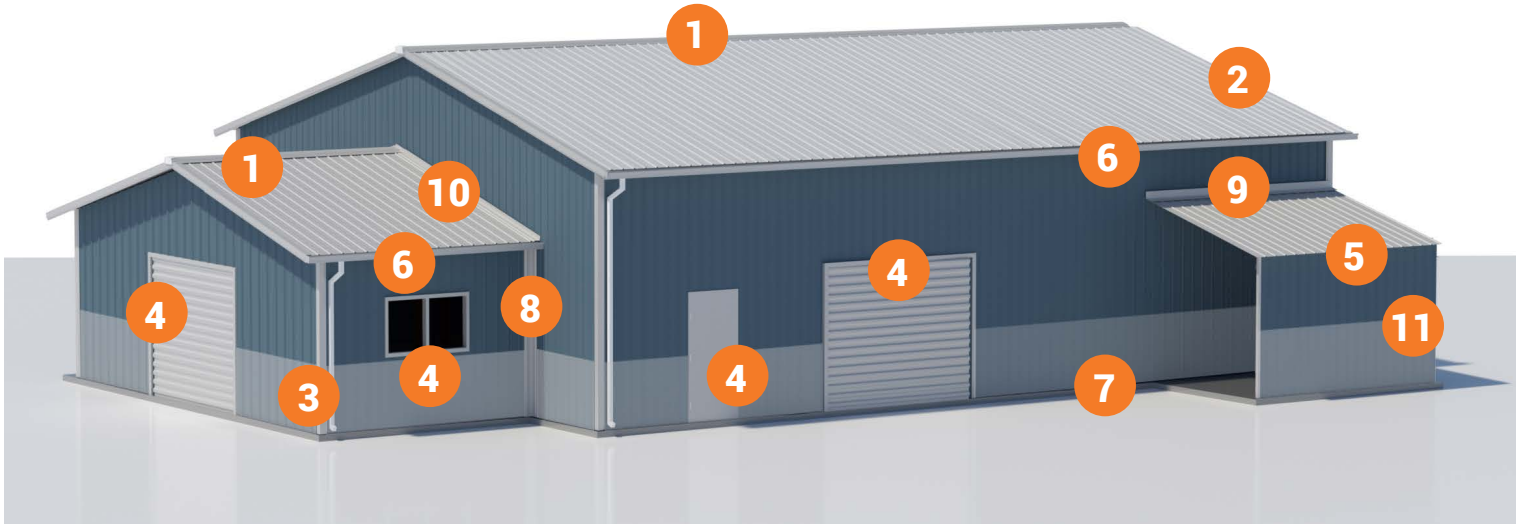
COLUMN AND BEAM


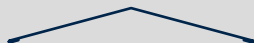








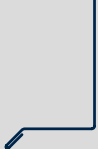




When you need to maximize the width of a project Column and Beam frames are a great solution. With or without interior columns, these frames can be used in conjunction with bar joist roof purlins to create column-free interior areas.

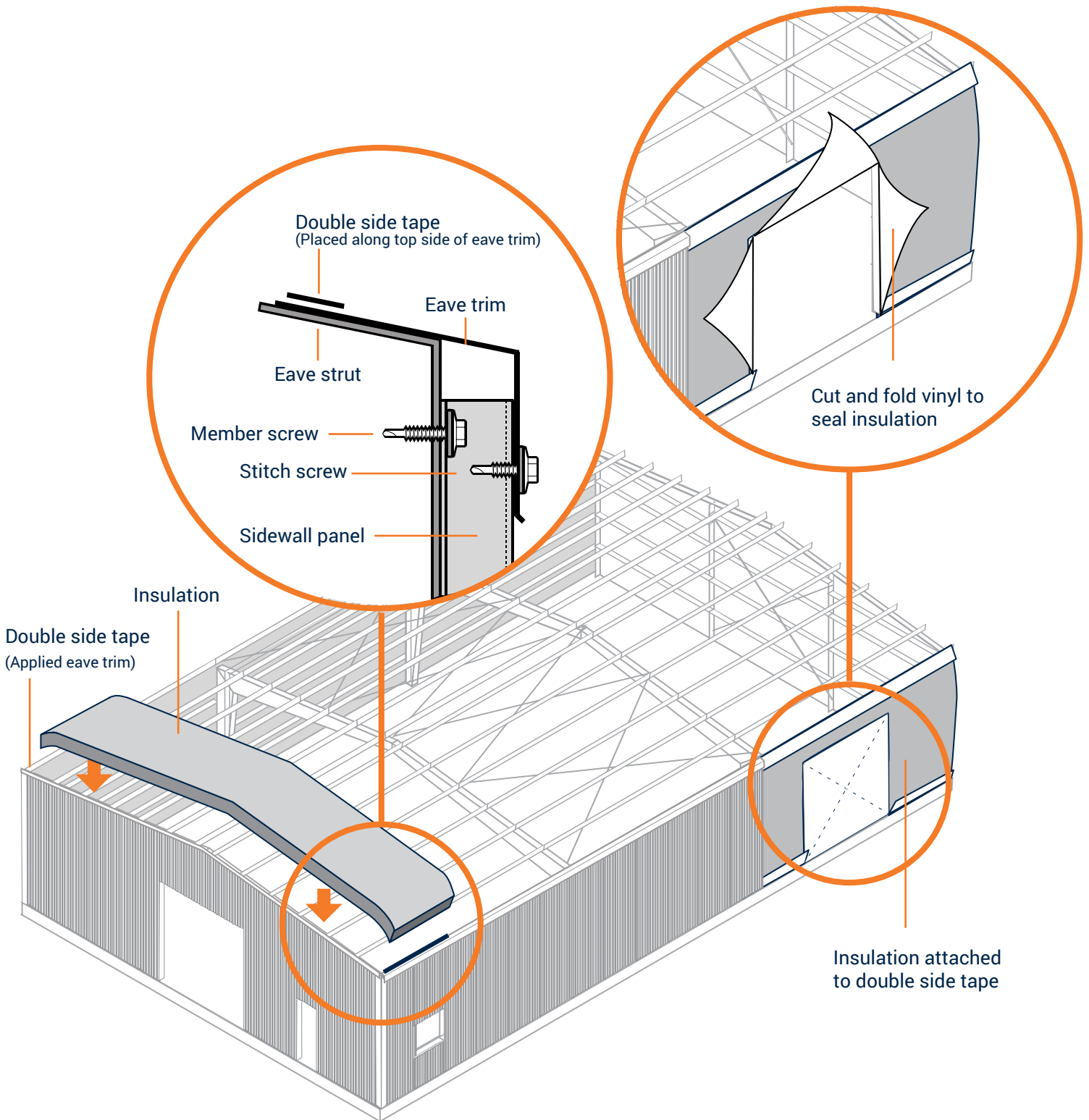


03 TRIM

Whirlwind gives you a full line of trim, hardware and accessories to customize your metal building project. Featuring a wide selection of colors, you'll find no one offers a better selection of trim – from the ground to the roof ridge – to finish your building design just the way you want. In fact, the trim displayed here is only a very small selection of our extensive offering of trim conditions.



<p>1 Die Formed Ridge Cap 50SSRC</p> 	<p>Hip Trim HF-120</p> 	<p>Ridge Roll MT-80</p> 	<p>2 Rake Trim FL-16 RT-101 RT-801</p> 
<p>3 Corner Trim CT-102</p> 	<p>4 Head & Jamb Trim FL-26 JT-101</p> 	<p>5 Eave Trim ET-80 ET-70</p> 	
<p>6 Gutter Trim FL-18D</p> 	<p>FL-18B</p> 	<p>GU-12</p> 	<p>7 Base Trim FL-72</p> 
<p>8 Inside Corner ICT-801</p> 	<p>9 Transition Trim MT-70</p> 	<p>10 Sidewall Trim MT-101</p> 	<p>11 Wainscot Trim WT-101</p> 



Whirlwind Steel has partnerships with name brand suppliers of metal building insulation that have the experience and service capabilities to meet our customers' needs. Our customers can also choose to work directly with insulation manufacturers. The coordination between Whirlwind and outside vendors should be carefully discussed with your sales manager to ensure there are no delays at the job site when construction starts on your pre-engineered metal building.

05 FRAMED OPENINGS

OVERHEAD DOORS ROLL UP DOORS AND WALK DOORS

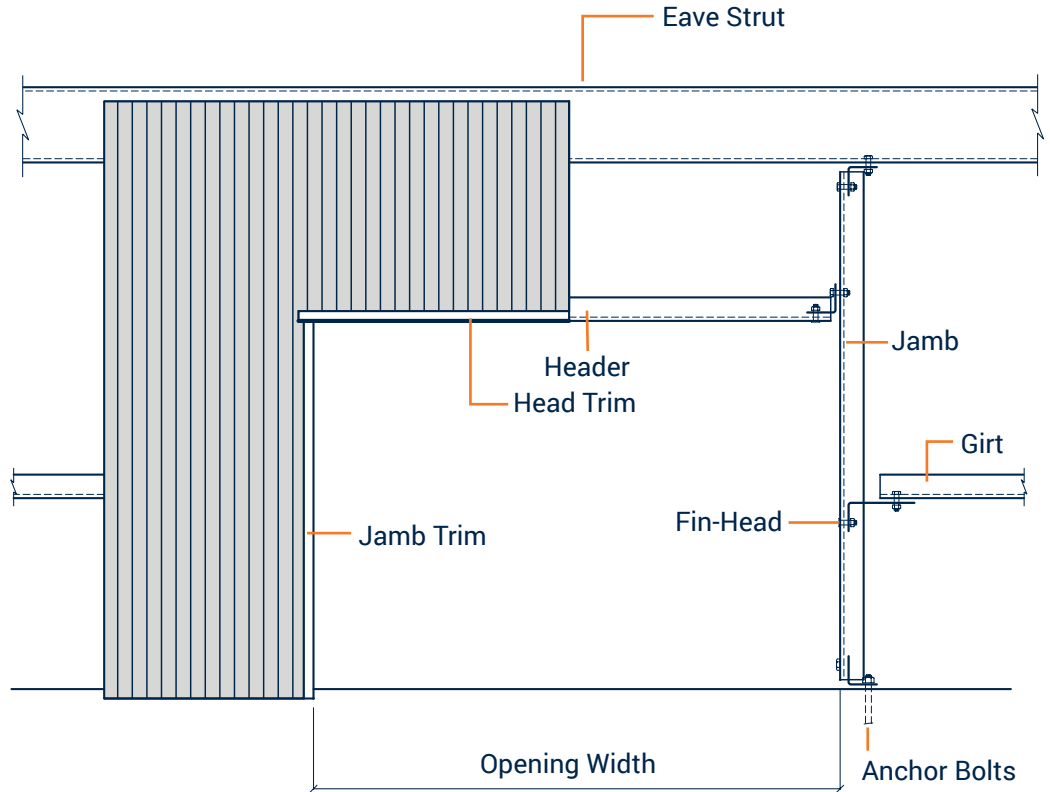
Overhead and Roll Up doors come in a variety of heights and widths requiring careful planning. Overhead and Roll-up doors need extra headroom to accommodate doors that are either rigid or flexible. Additionally, mechanical doors often require additional headroom to allow for motors and other accessories.

While Whirlwind Steel does not manufacture doors, we can provide a variety of solutions based on your needs. It is important to note that metal buildings should use steel reinforced commercial doors and not those typically found in residential construction. This also applies to both manual and electrical roll up and overhead doors. All doors, whether provided by Whirlwind or supplied by our clients, should be discussed early in the design process.

WINDOWS

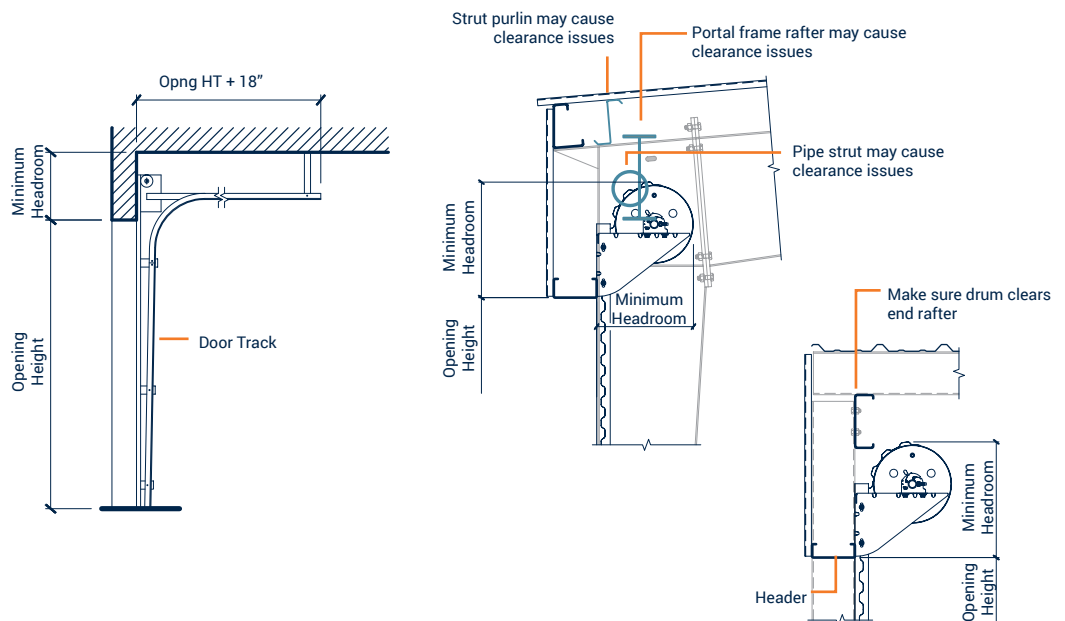
Window openings can be created using both traditional and custom shapes in most any size. Like doors, though Whirlwind Steel does not manufacture windows we can provide a variety of solutions based on your needs. Or, you can arrange to supply windows and frames. There can be many decisions to consider early in the design process and the help of our experienced sales managers will be important to getting your building project done right and on time.

OVERHEAD / ROLL UP DOORS

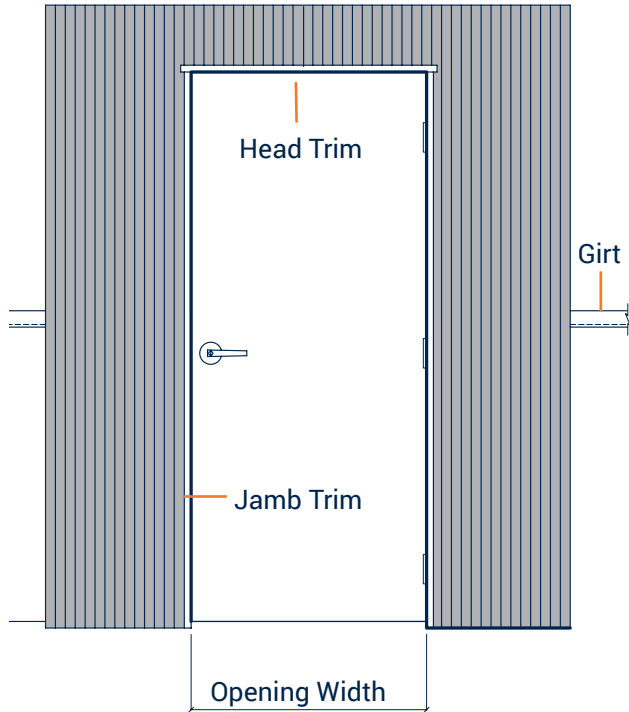


Concrete foundation and anchor bolts not provided by Whirlwind.

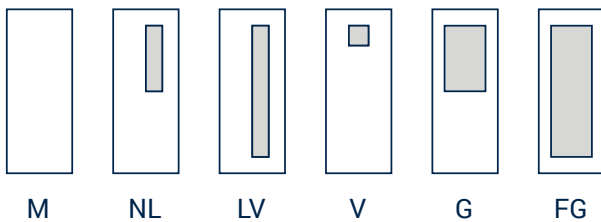
HEADROOM CLEARANCES



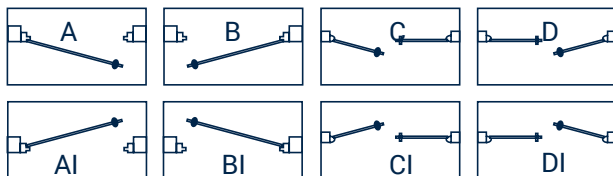
WALK DOORS



WALK DOOR OPTIONS

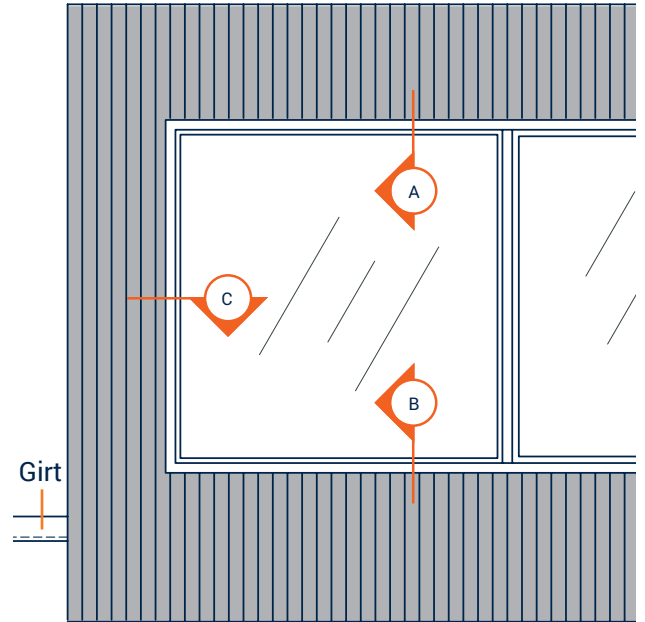


Window shown in gray.

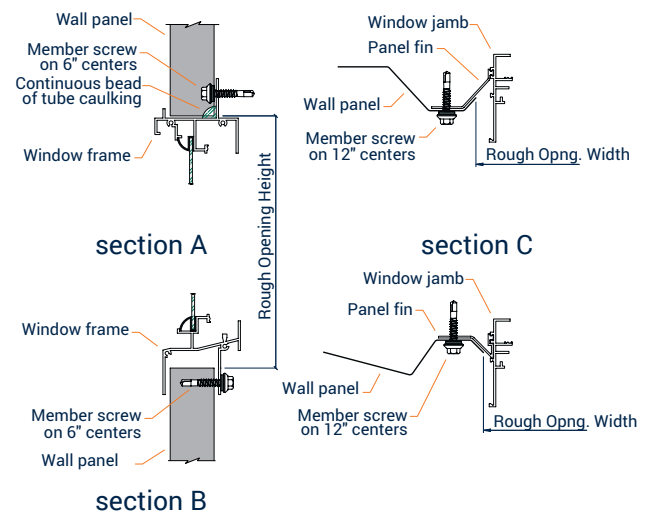


OUTSIDE OF BUILDING

WINDOWS



WINDOW CROSS SECTION



PROJECT GALLERY



01

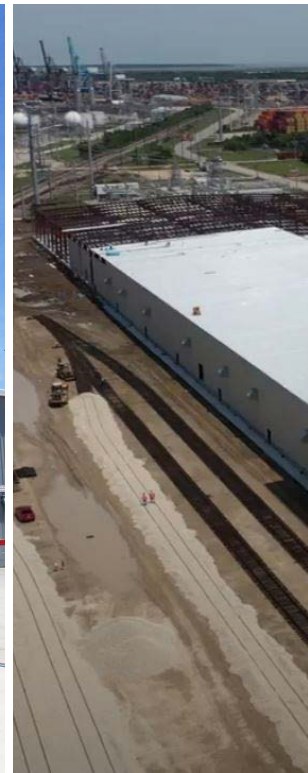
Practical yet robust designs to meet your needs, fit for any budget.

02

Our color charts are made with our actual paint which makes them a precise color matching tool.

03

Whether it's an auditorium, classroom or both, Whirlwind can provide quality materials for your project.





02



03

04

Whirlwind is a quicker alternative to providing office and recreational spaces for your business.

05

Trust the experience of Whirlwind to design and provide strong, reliable building systems for every need.

06

Whirlwind provides technical erection manuals that contain an illustrated guide to properly handle and install our panel profiles.



05



06



WE **BUILD** FOR LIFE

WHIRLWINDSTEEL.COM

(800) 324 9992