



# STANDARD FEATURES

***Learn More About Capital's Strict Steel Building Quality Standards***





## PRIMARY FRAMING



### Solid I-Beam Construction for Optimum Strength of Your Building

By using a higher yield strength material, a smaller web can be utilized which provides for a space saving design. Capital Steel building frames are single bead; continuous submerged arc welded by automatic welding machines (this helps insure quality control). A factory primer coat is applied to help protect the steel during the erection process.

### End Wall Frames and Columns

Are either cold formed, mill-rolled or built-up "I" sections depending on design requirements.

## SECONDARY FRAMING



### Girts (in sidewall)

Are 8.5" or 10" to meet design requirements, cold rolled Z-section, 13 to 16 ga. ASTM A-570, 50,000 or 55,000 p.s.i. yield material is used to provide maximum strength. Bypass girt system overlaps at sidewall columns forming a continuous "beam" for extra strength.

### Purlins (in roof)

Are 8", 10", or 12" to meet design requirements. In Capital Steel buildings your purlins are top-mounted on the rafter with a varied lap of 2' to 6' for strength and cost savings in erection labor. Maximum purlin spacing is 5' on center. Purlins also use a bypass system.



### Eave Strut

Is a cold-formed C-Section that is rolled for the appropriate roof pitch to help insure that all Capital Steel buildings are weather-tight at the eave.

### Sheeting Angle

Is a continuous angle supplied for the attachment of the sheeting at the rake of the building for ease of installation of Capital Steel buildings.



### Base Angle

Is a continuous angle, supplied for the attachment of the base of the sheeting to the concrete. It is attached to the concrete with ram-sets or equivalent anchors by others. (Base trim optional).

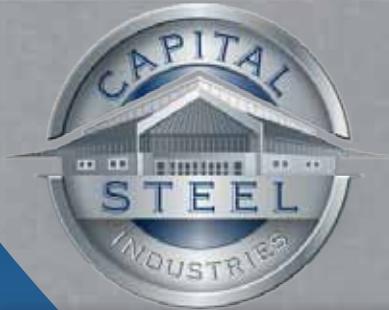


### Bracing

For Capital Steel buildings either diagonal rod or cable bracing may be supplied for roof and walls to remove longitudinal load from the structure as needed.

### Angle Flange Bracing

Is provided for the connection of the rigid frame to the purlins and girts. This ensures that allowable compression levels are adequate for any combination of loadings. Purlin bridging angles may be provided at each mid-bay to assure consistent purlin spacing and stiffening.



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### SHEETING



#### 80,000 p.s.i.

80,000 p.s.i. yield material is standard on Capital Steel buildings. Some manufacturers use a lower yield strength material, which is less resistant to damage from hail and other impacts.

#### All Coil Steel

All Coil Steel with Galvalume coating standard (1.25oz - hot dipped) on each side helps prevent deterioration of the steel sheeting.

#### Deeper High Rib

Deeper High-Rib with more frequent corrugations, provides extra strength.

#### Purlin Bearing Rib

The purlin bearing rib provides a better weather tight seal between the roof sheets on a Capital Steel building.

#### Optimal Semi-Concealed Panel "Shadow Line"

This configuration is available for walls, mansard systems, soffit material, etc. to add an aesthetic appeal to your Capital Steel building.

### FASTENERS



#### Structural Bolts

Structural Bolts meet requirements of ASTM Standards. A-325 for primary frame connections. A-307 for secondary framing.

#### Self Drilling and Self Tapping Fasteners

Are pre-assembled with neoprene washers and metal caps to help insure weather tightness of your steel building.

### SEALANTS



#### Sealant

For roof sidelaps, endlaps and flashing gable is provided to help insure weather tightness. Nominal 3/8" x 1/8" thick pressure sensitive tape sealant for ease of installation.

### RIDGE CAP



#### Preformed High Rib Ridge Cap Panel

Matches the slope and profile of adjoining roof panels on Capital Steel buildings to help insure constant alignment and weather tightness.

#### Long Overlap

Is provided to help prevent water from siphoning into the building.



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### TRIM AND FLASHING

#### Trimming

Trimming at rake (gable) corners and eaves is provided for all Capital Steel buildings with standard trim material for a finished look. This is also an additional deterrent to moisture, insects, and dirt getting into the building.

### PLANS AND DRAWINGS

#### Anchor Bolt Setting Plan

Demonstrates building reactions for all buildings with standard trim material for a finished look. This is also an additional deterrent to moisture, insects, and dirt getting into your building.

#### Engineer Certified Erection Drawings

Including wall and roof framing diagrams, cross sections, sheeting and flashing details are provided. These drawings show clearly the proper erection and assembly of all building components.

#### General Building Manual

Erection drawings provide step-by-step instruction for assembly of your building.

#### Part Numbers

Are placed on each component (other than screws). These part numbers coincide with a detailed listing contained in the construction drawings and shipping list to help with assembly of the building.

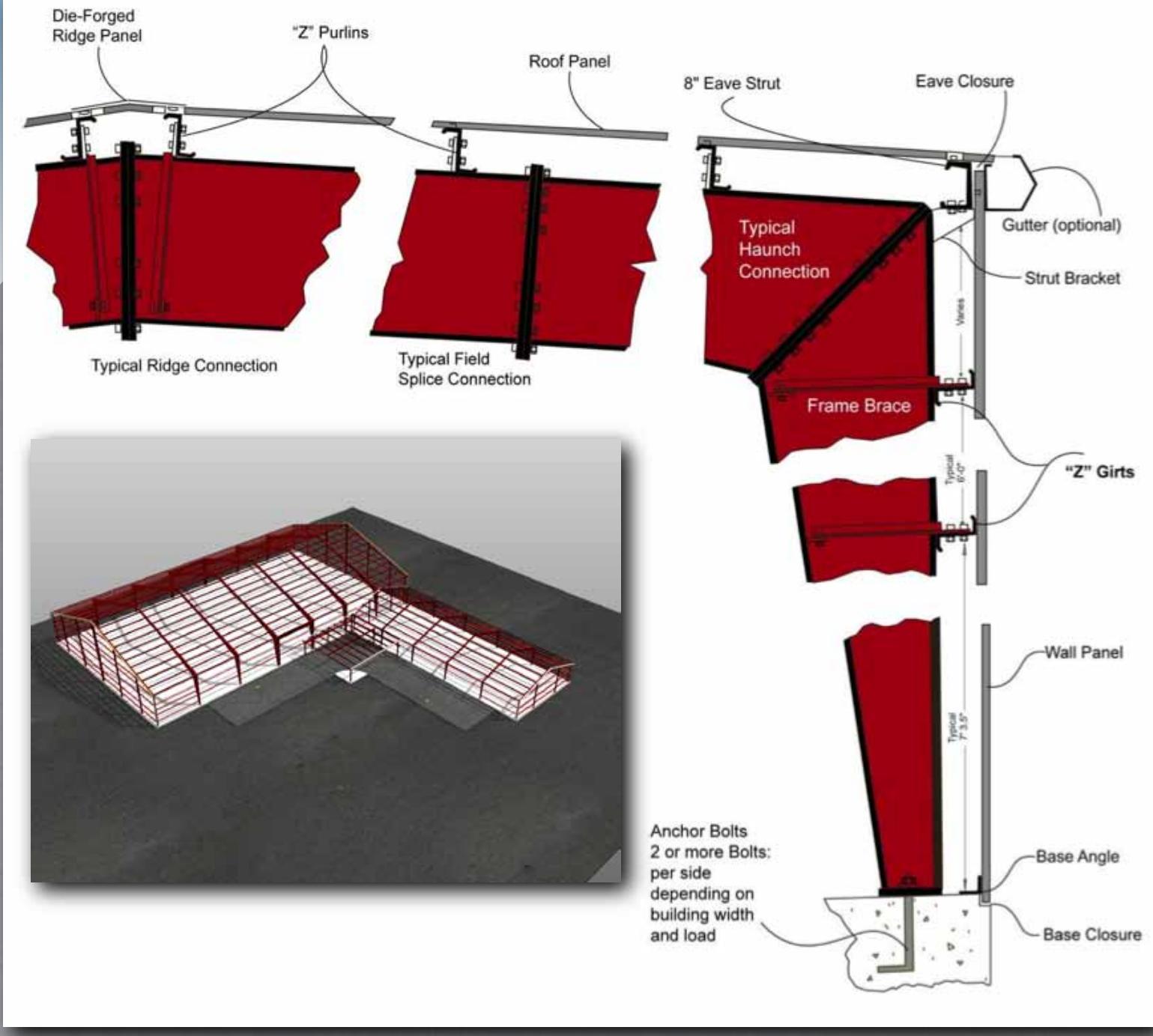


### SPECIAL NOTES AND CONSIDERATIONS

-  Anchor Bolts, Foundation Designs and Erection are provided by others.
-  For purposes of quoting, the weights listed for each Live Load can be used for other building codes used in the United States, (i.e. BOCA, SBC, UBC etc.)
-  If you have any questions about whether these buildings can be utilized for your customer's specific code requirements, or if any adjustments are necessary please contact Capital Steel.



## CAPITAL STEEL RIGID FRAME



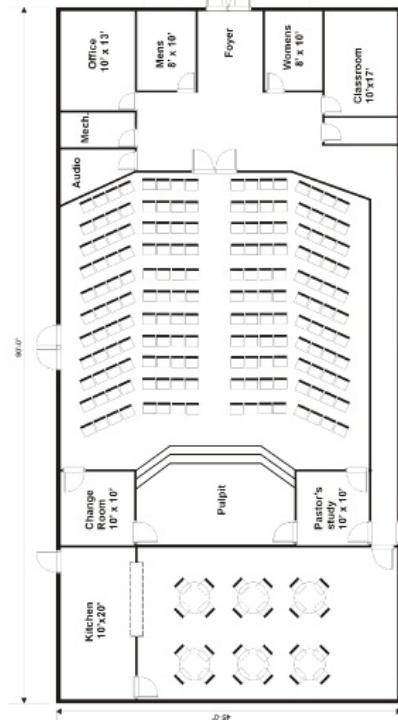


EXPERIENCE | OVERSIGHT | DIRECTION

*A driving force behind the success of your new building.*

Design

Costs



Procurement

Construction



Your project coordinator single point of contact to coordinate project activities while making your budget and schedule top priorities.

Your project coordinator will assist you from early project planning through the completion of the structural drawings.

Your project coordinator will also contact your local building department to verify all codes for your area and answer questions that may arise.

Defines, outlines and explains all applicable costs involved in your new construction project.

Works with you on your specific design needs while making sure that your structural drawings for the project are completed on time.

Communicates with the Capital's large network of regional building erectors to put up your steel building in the most efficient way.

Your project coordinator will help ensure your project progresses smoothly, maximize your resources and allow you to focus on your most important priority: YOUR BUSINESS.



Whether or not you use a Capital Steel authorized contractor to complete your steel building, you and your project will benefit from Capital Steel's national network of contractors.

If at any time in the future you need a contractor's services, simply call Capital Steel and one of the Capital's authorized contractors located near you will meet with you promptly at your site.

Thinking About Going Local for Your Project?

**Capital Steel has a local contractor waiting to meet you**



# STANDARD FEATURES



## FEATURES

## BENEFITS

All Steel Design



No Wood Rot  
No Additional Materials to Purchase  
Termites Non Existant  
Non-Combustible Building Material  
Reduced Insurance Cost

26 Gauge Commercial Grade 80,000 p.s.i. Yield Roofing



Other Suppliers Use 50,000 p.s.i. Yield Which Can Dent and Dimple with Hail

Solid I-Beam Construction



No Open Web Trusses Allowing More Cubic Feet for Storage

A-325 and A-307 High Strength ASTM Bolts



Satisfies Government Specifications for High Strength

All buildings are Pre-Cut and Pre-Drilled Ready to Assemble



Speed and Ease of Erection, Lower Costs with Less Chance of an On-Site Assembly Problem

Long Overlap on Girts and Purlins



Added Strength Versus Butt-Together with Clip Design

Closed Cell Foam Closures



Seal Underneath Corrigation of Panel for Energy Efficiency

Pre-Market Parts



Do Not have to Wonder Where Parts Go, Numbers Correspond with Erection Drawings

Oversized Fasteners with Pre-Assembled Neoprene Washers



Weather Tightness

Self Driling and Self Tapping Screws



No Pre-Drilling Required, Reduces Erection Costs

Engineer Stamped Anchor Bolt Plans



No Extra Charge for Engineer Stamp

Long Overlap and Mastic Sealant on All Roof Panel Laps



Eliminates Leaks

Submerged Arc Welded Frames



Submerged in Flux, Terperature Controlled Weld for More Secure Welds

Die Cast Pre-Formed Ridge Caps



Other Supliers Use Flat Stock Metal that Rest on Top of Corrigation Leaving 1-1/4" Gap for Birds, Insects and Ice to Penetrate. Die Cast Matches the Corrigation Perfectly with No Gaps and Long Overlap with Mastic.

50,000 p.s.i. High Strength Plates



Eave Heights Available to Accommodate a Wide Variety of Needs