



Welcome

VP

Builders!



BlueScope Manufacturing





Evansville, Wisconsin





St. Joseph, Missouri





Rainsville, Alabama





VP Headquarters Memphis, Tennessee



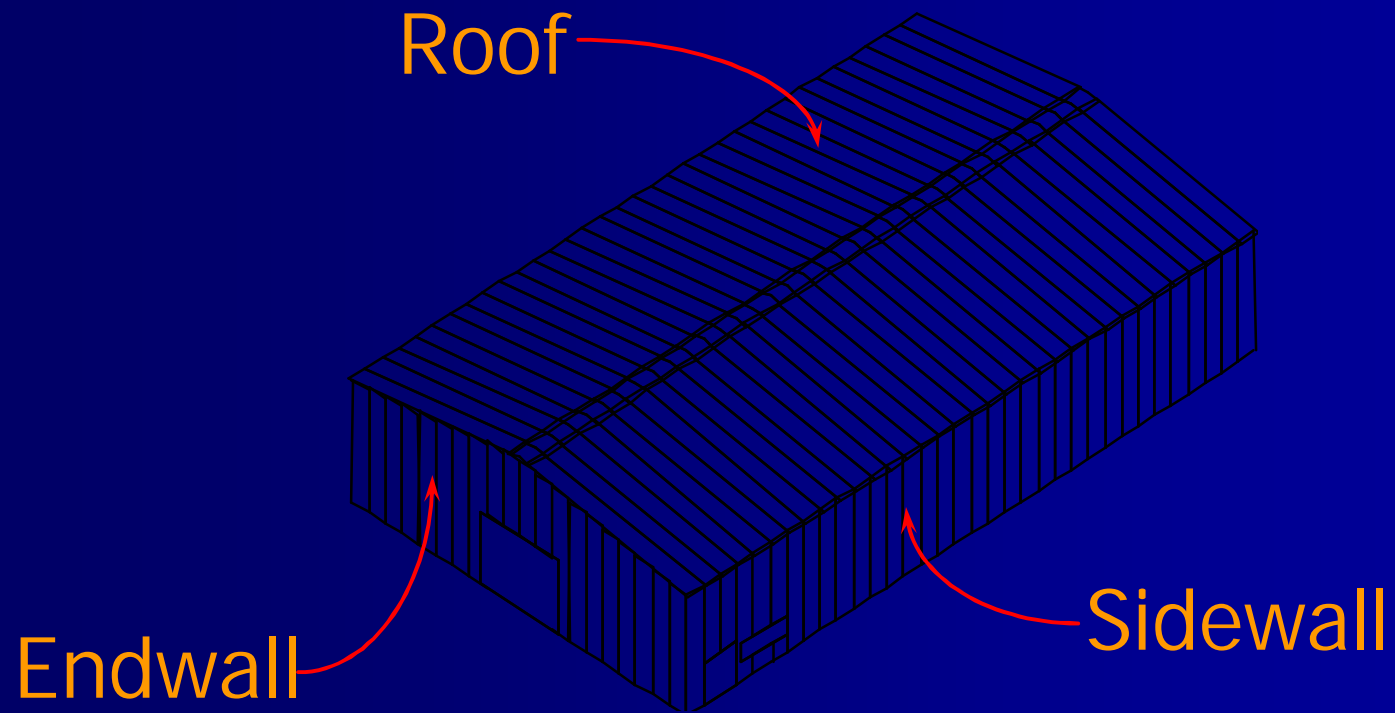


Basic System Concepts





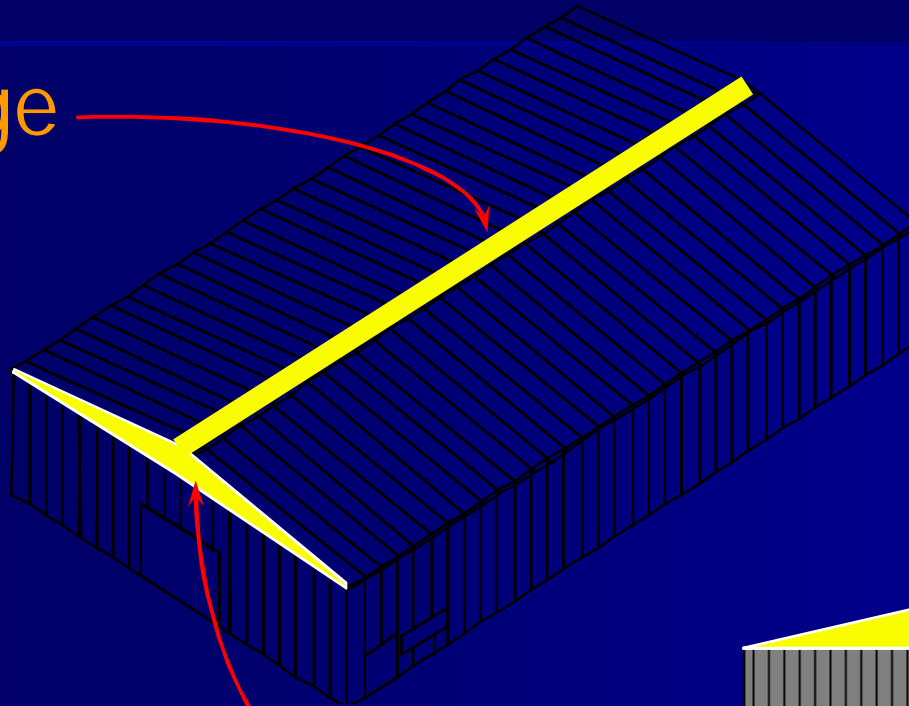
Geometry



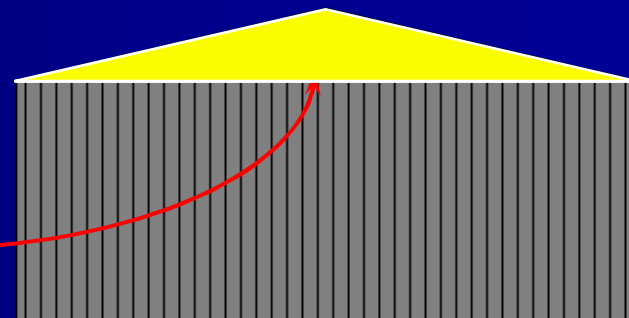


Geometry

Ridge



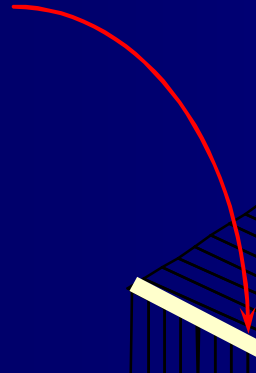
Gable



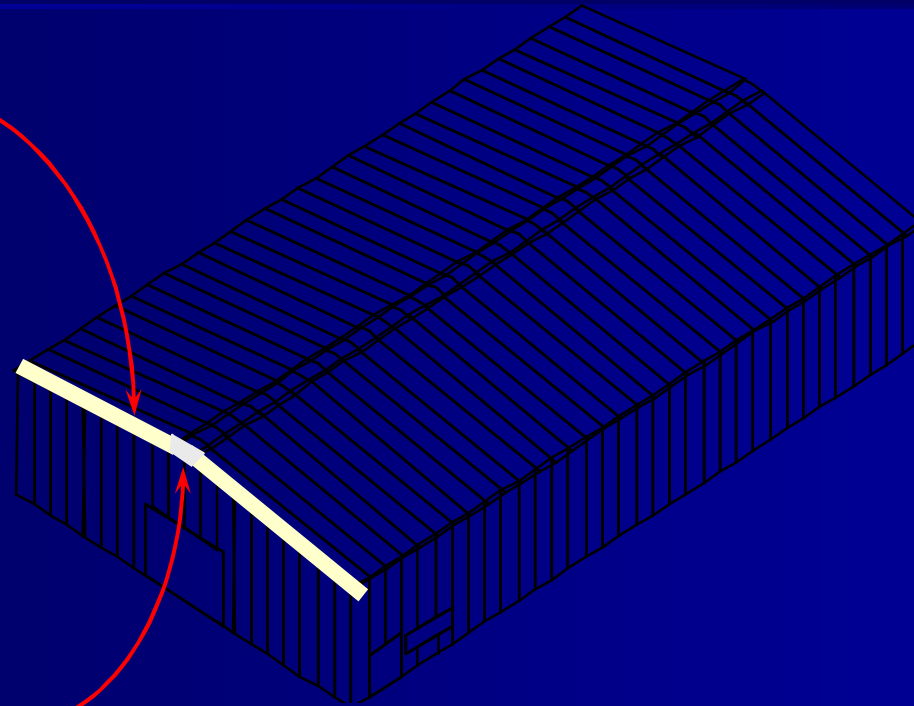
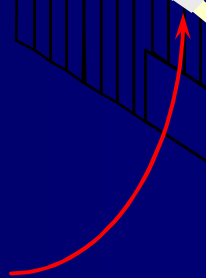


Geometry

Rake

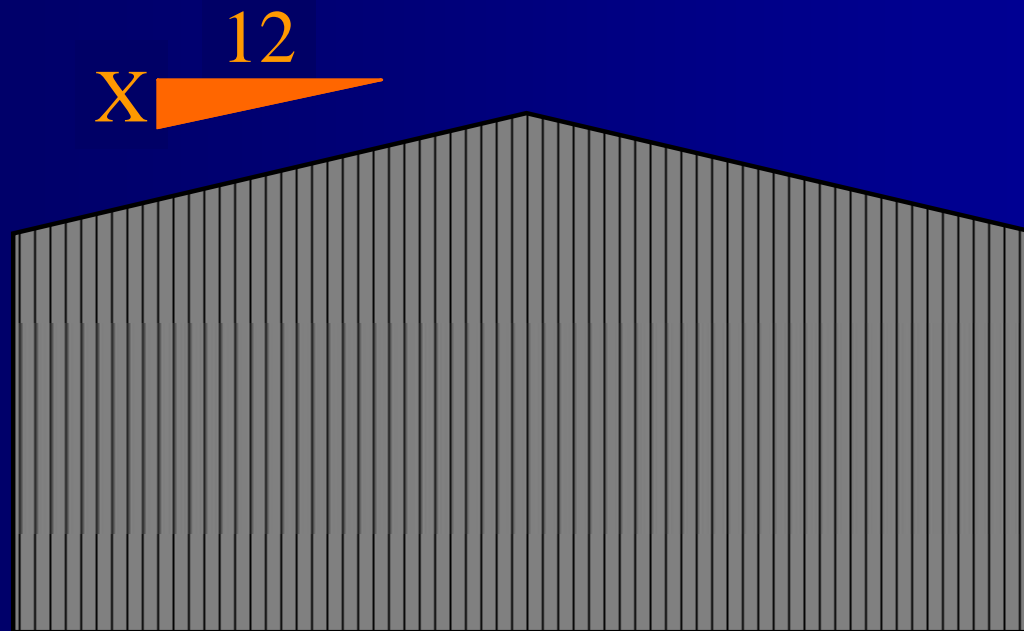


Peak





Geometry

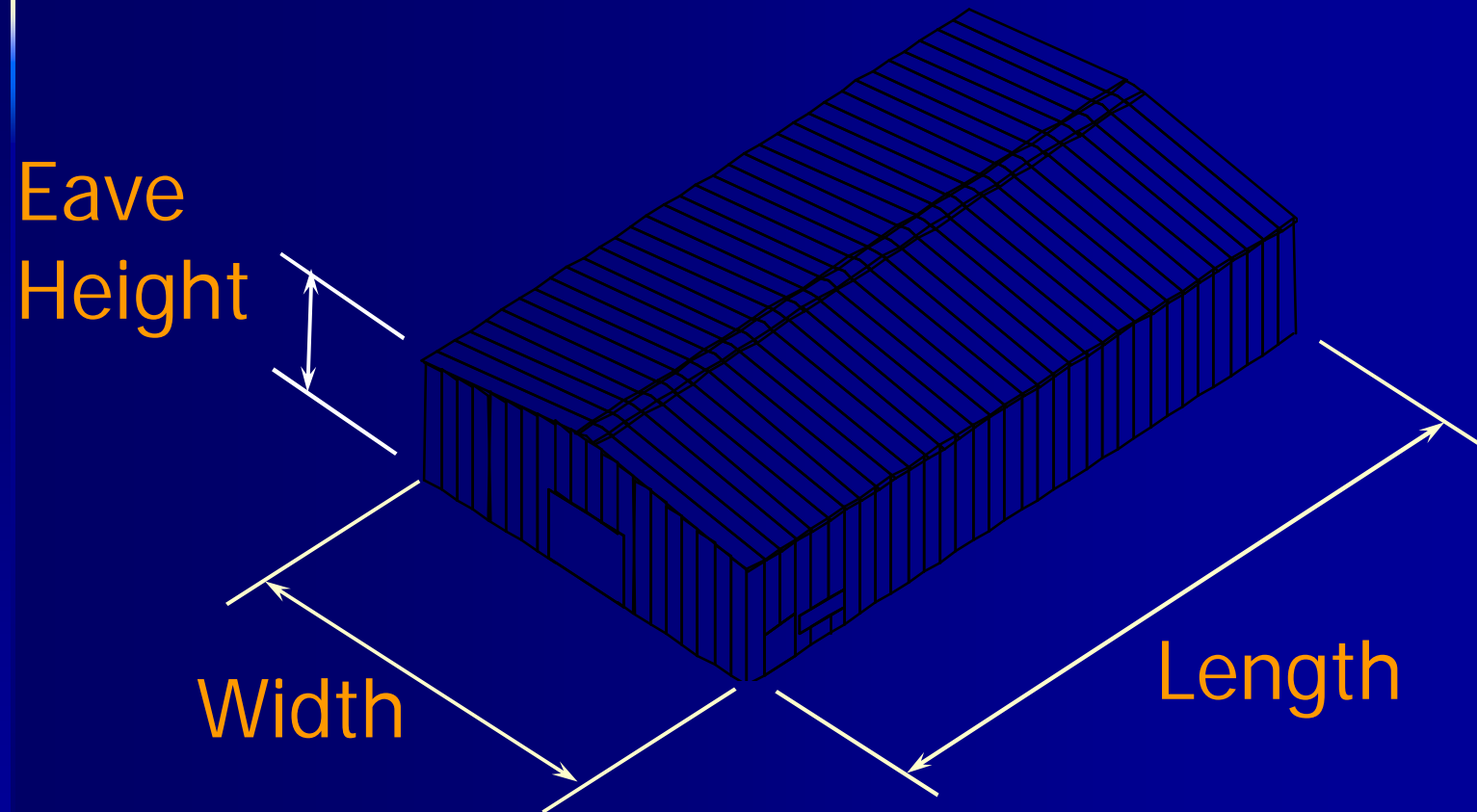


$$\text{Roof Slope} = \text{Rise/Run}$$

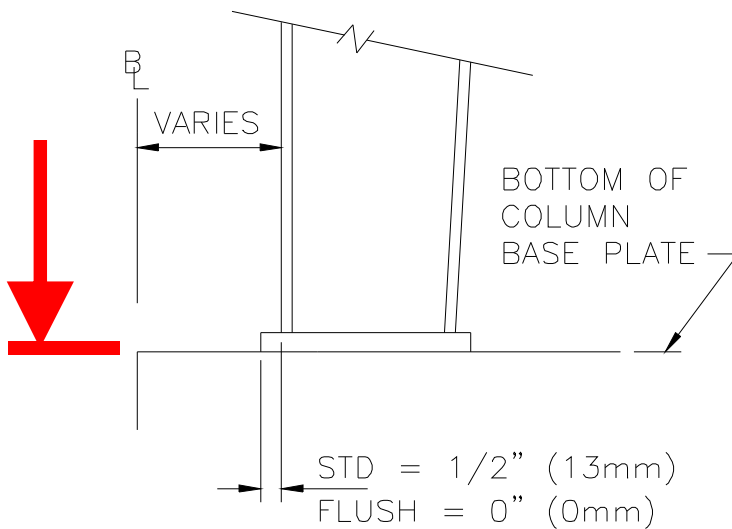


Geometry

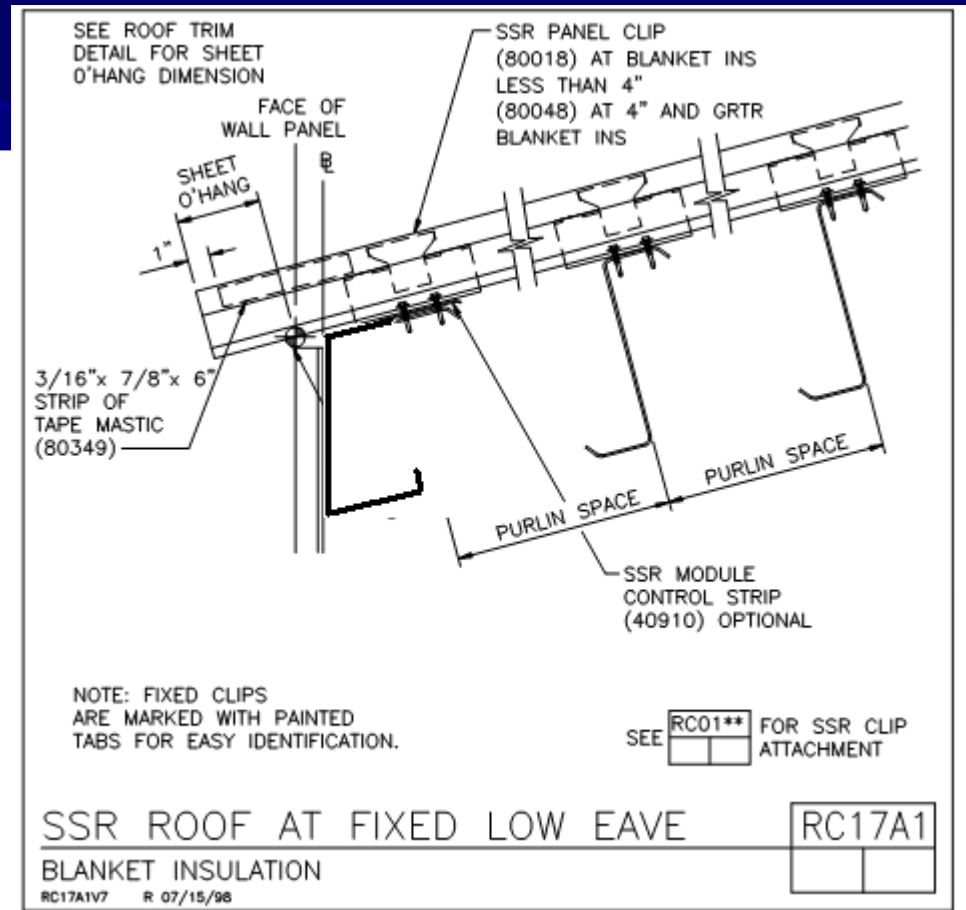
Dimension to 1/16"



Eave Height

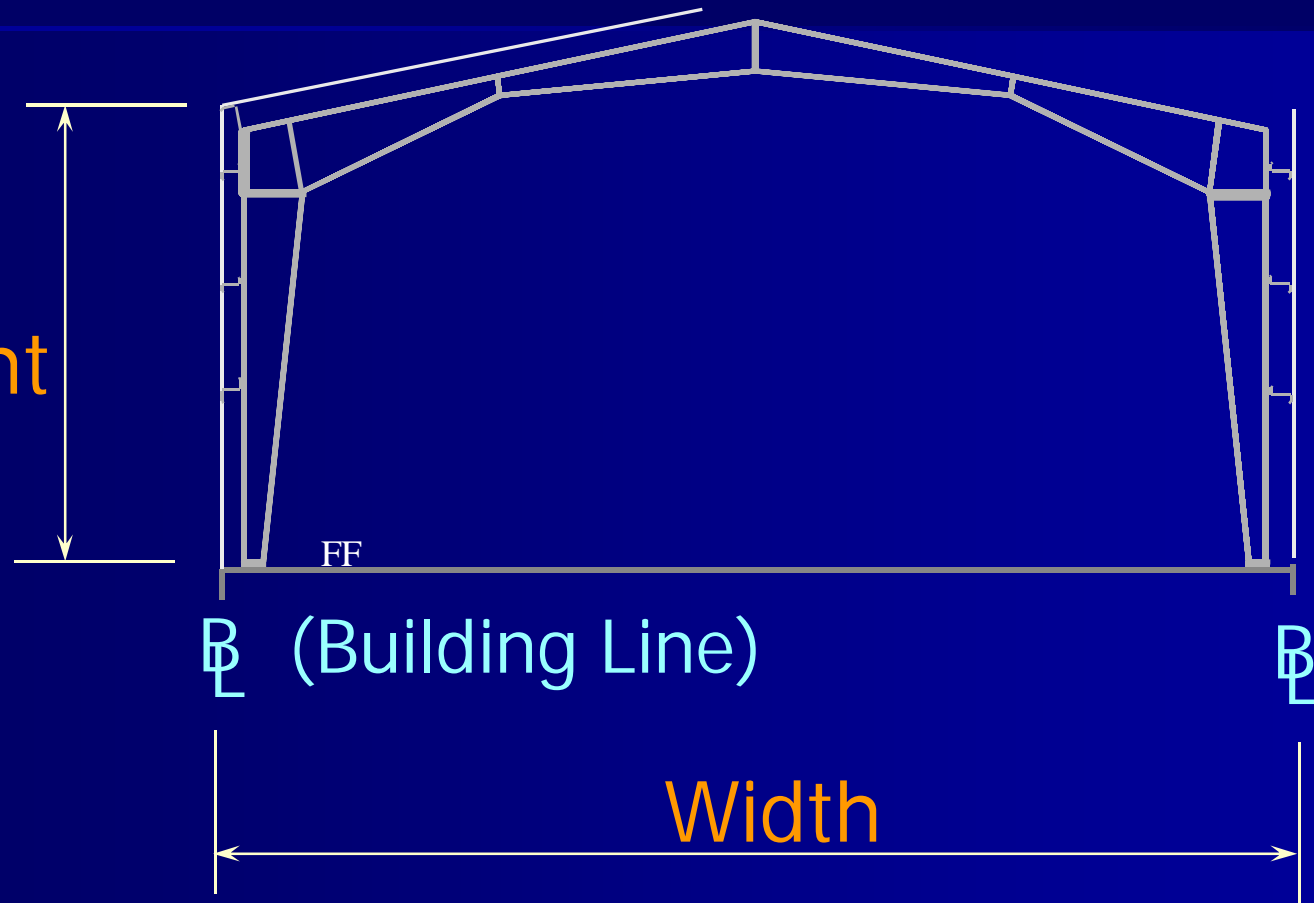


TYPICAL COLUMN
BASE PLATE DETAIL

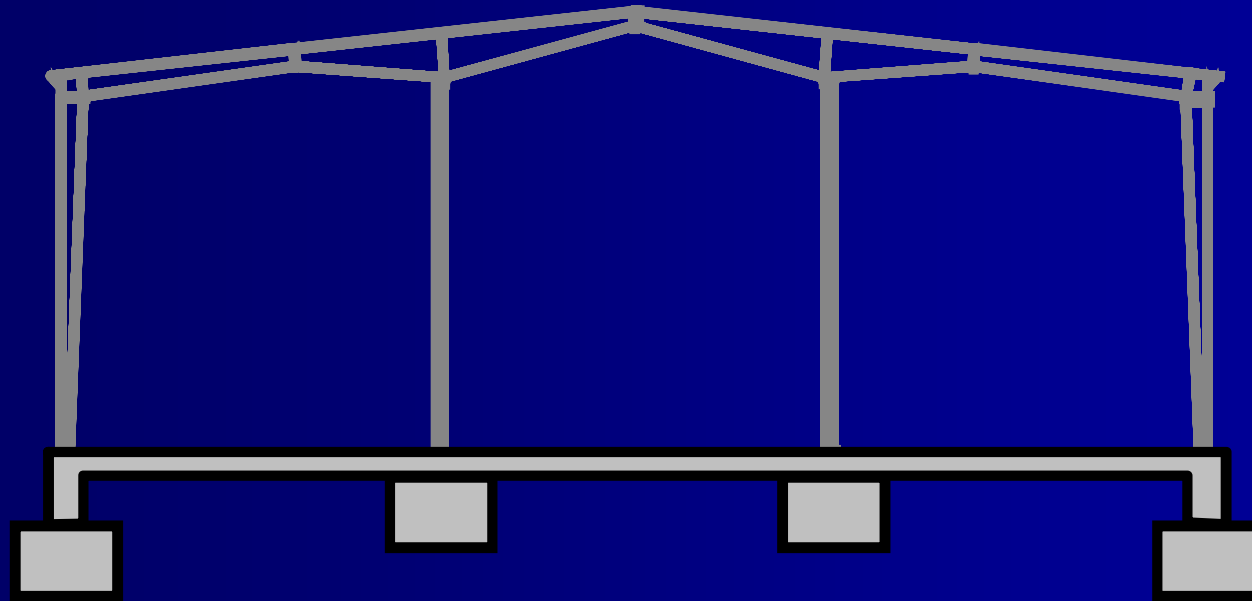


Standard Dimensioning

Eave
Height



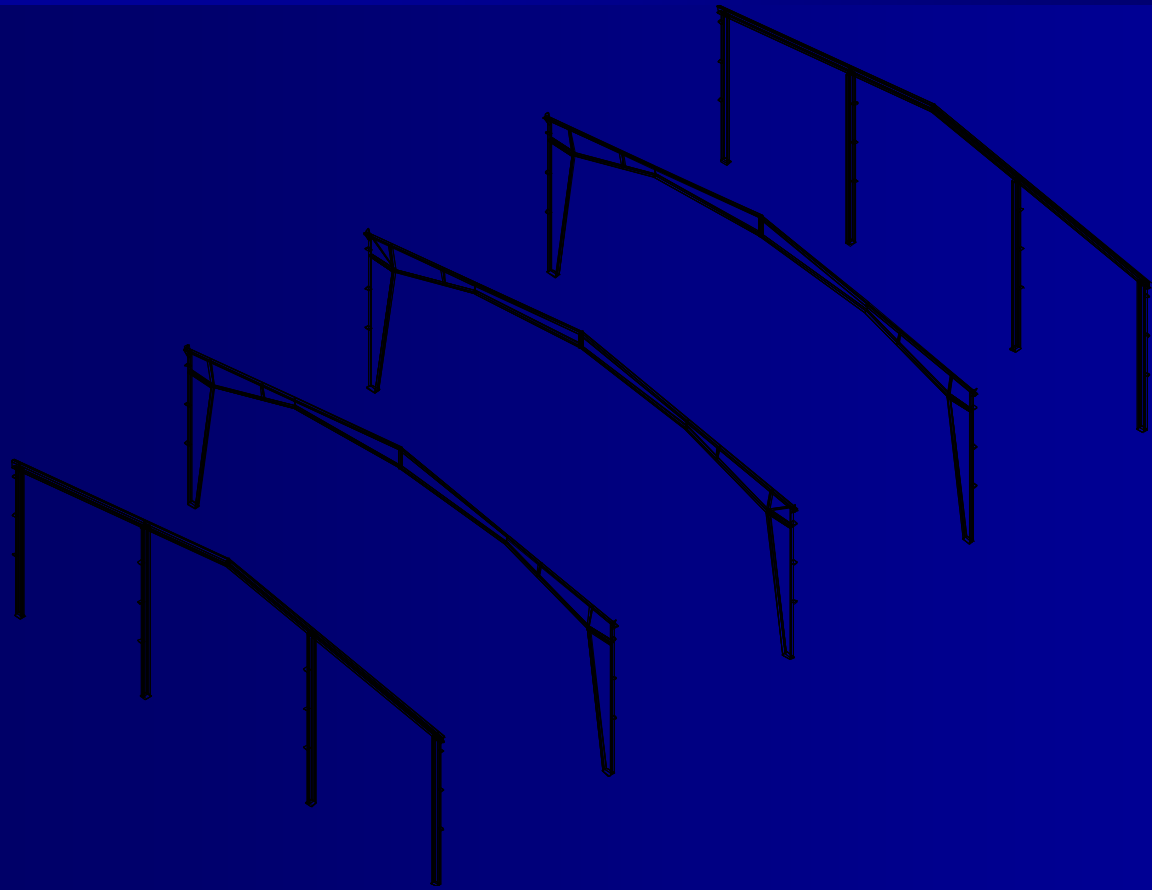
Foundation



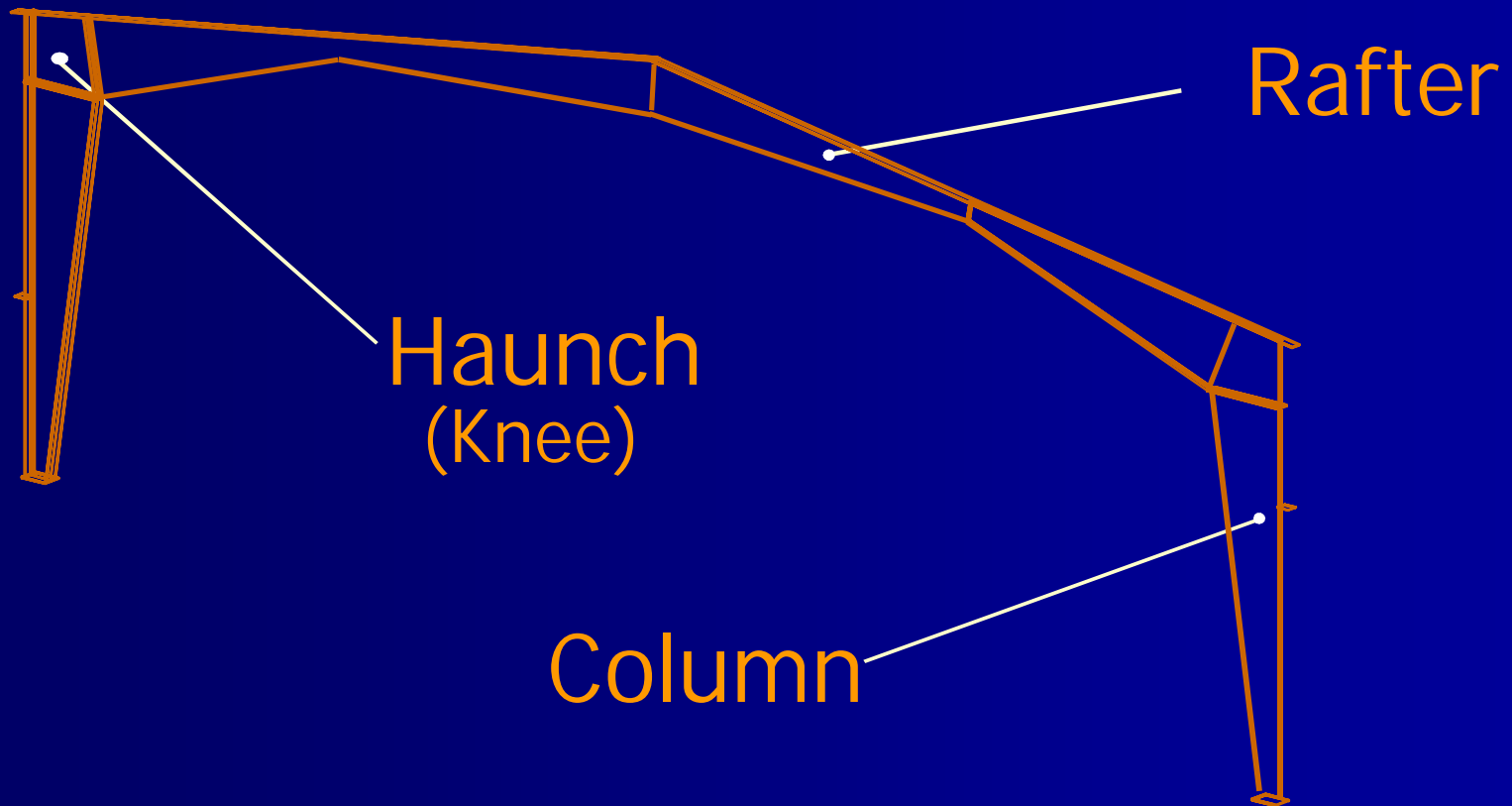
VP will provide reactions for foundation design



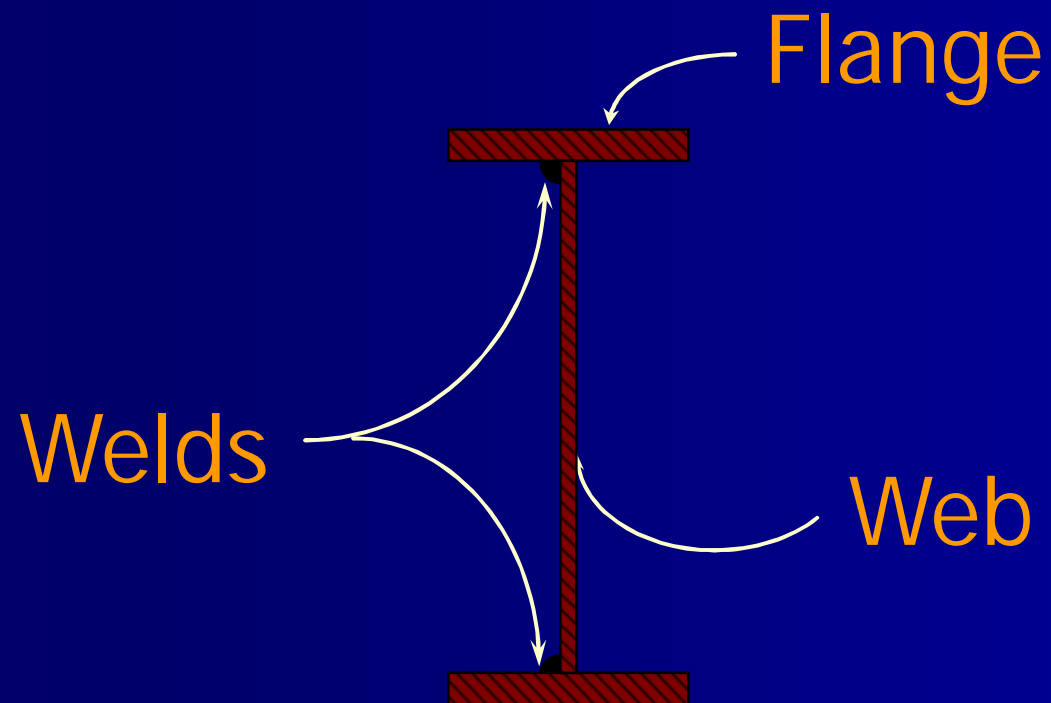
Primary Framing



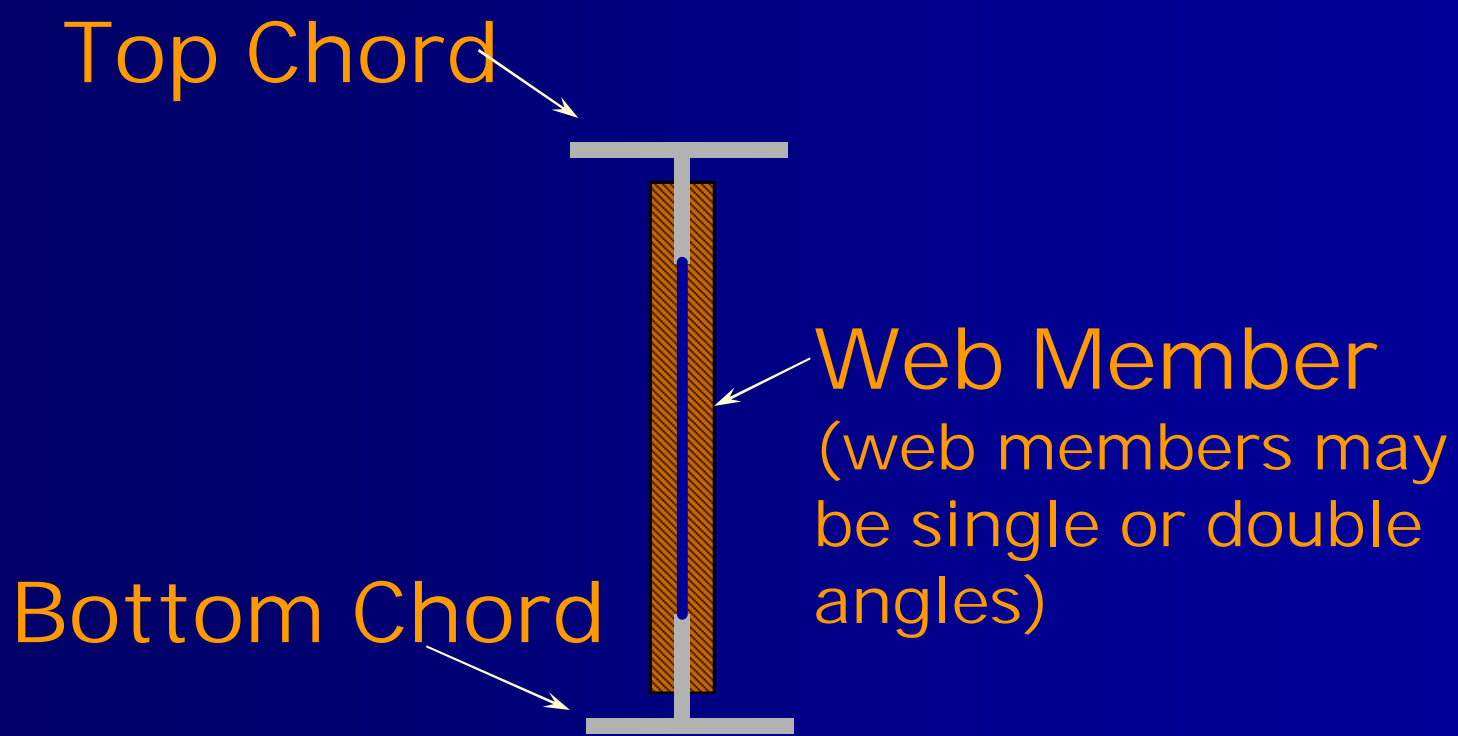
Primary Framing



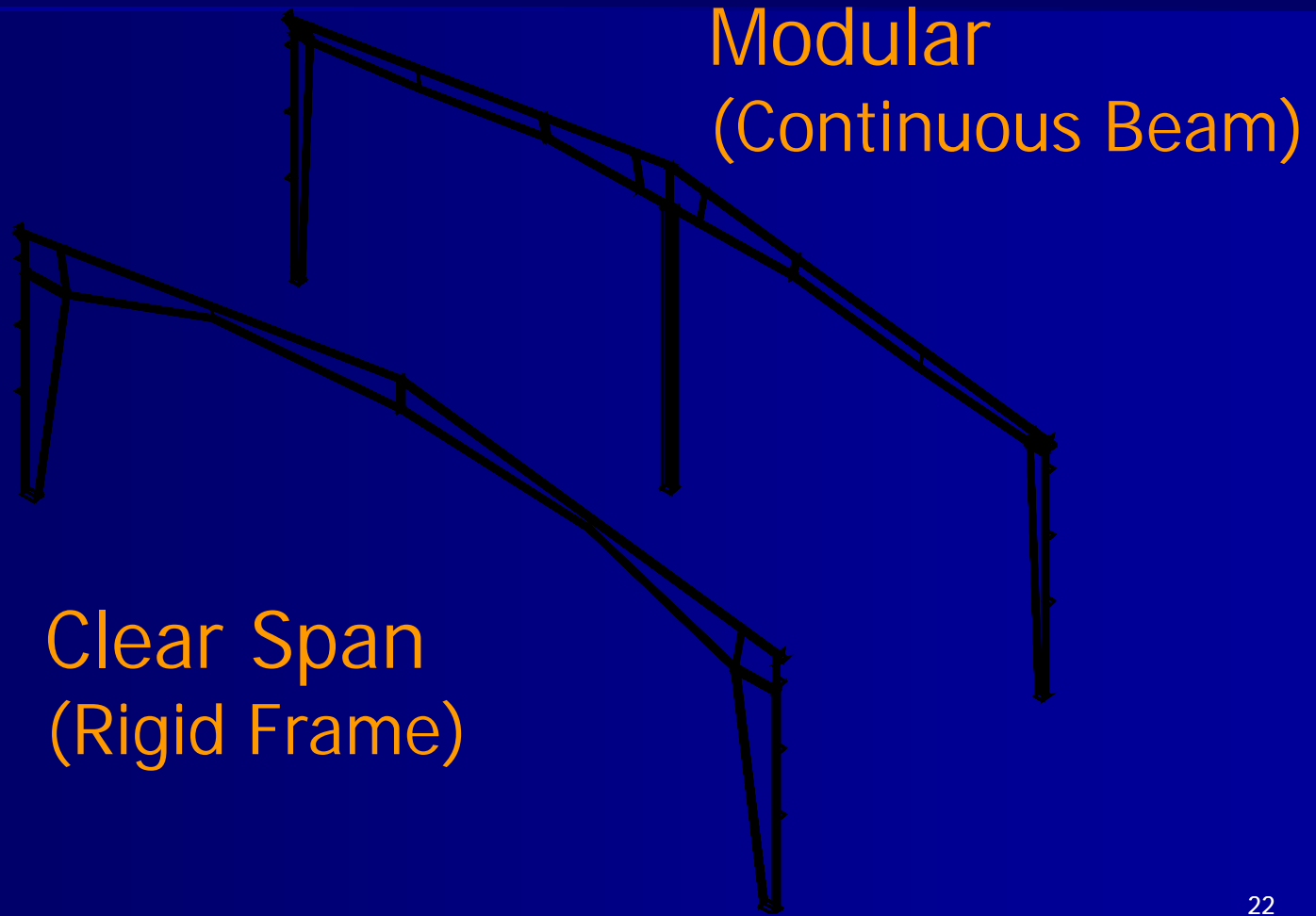
3-Plate Members



Open Web Cross Section



Primary Framing

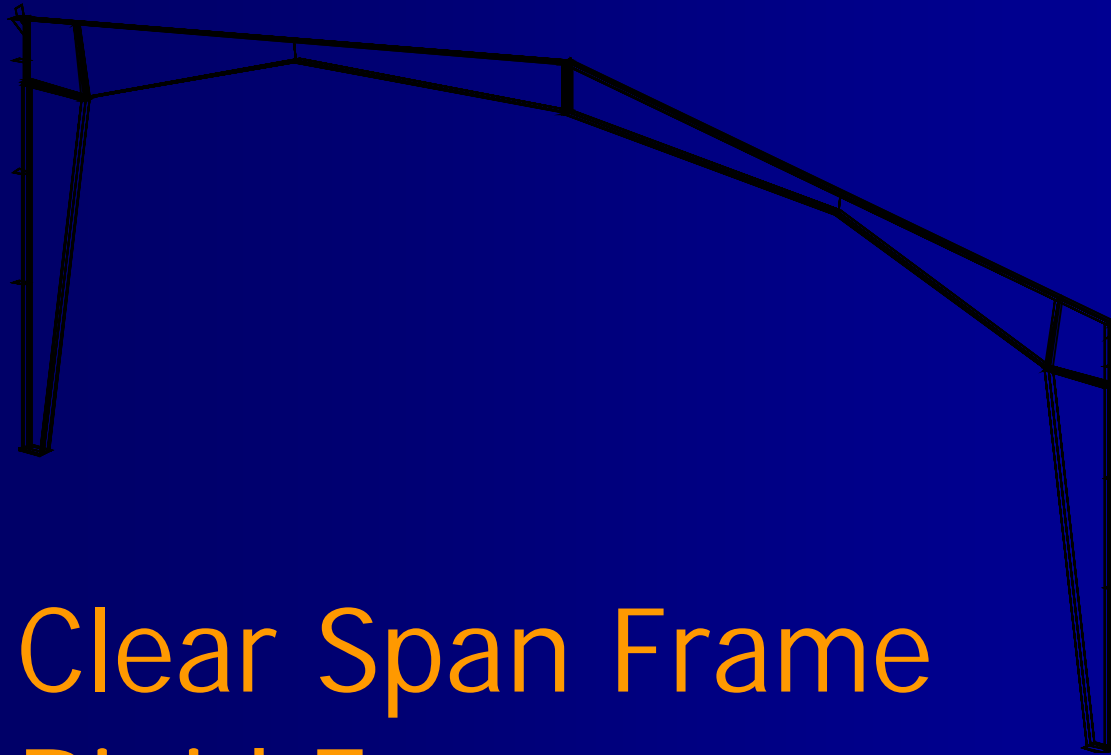




Primary Frames

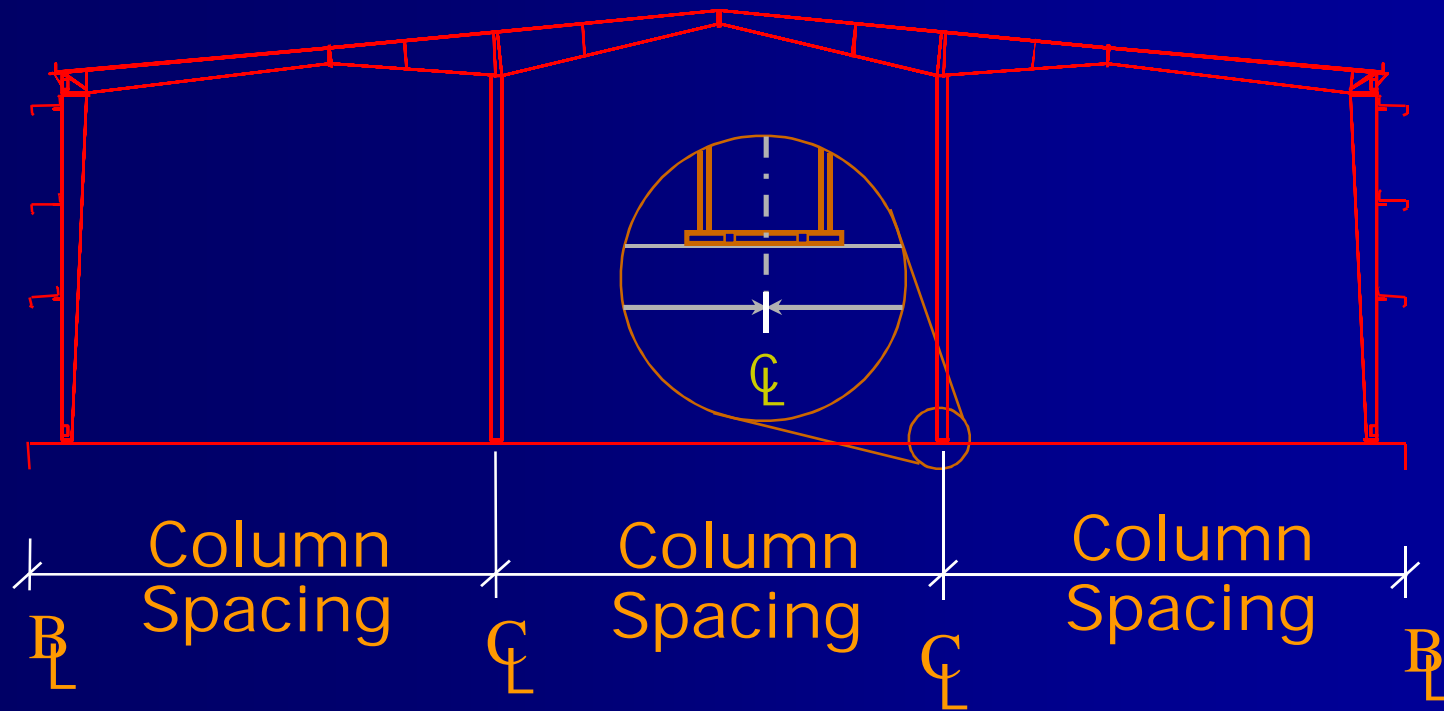


Frame Types



Clear Span Frame
Rigid Frame

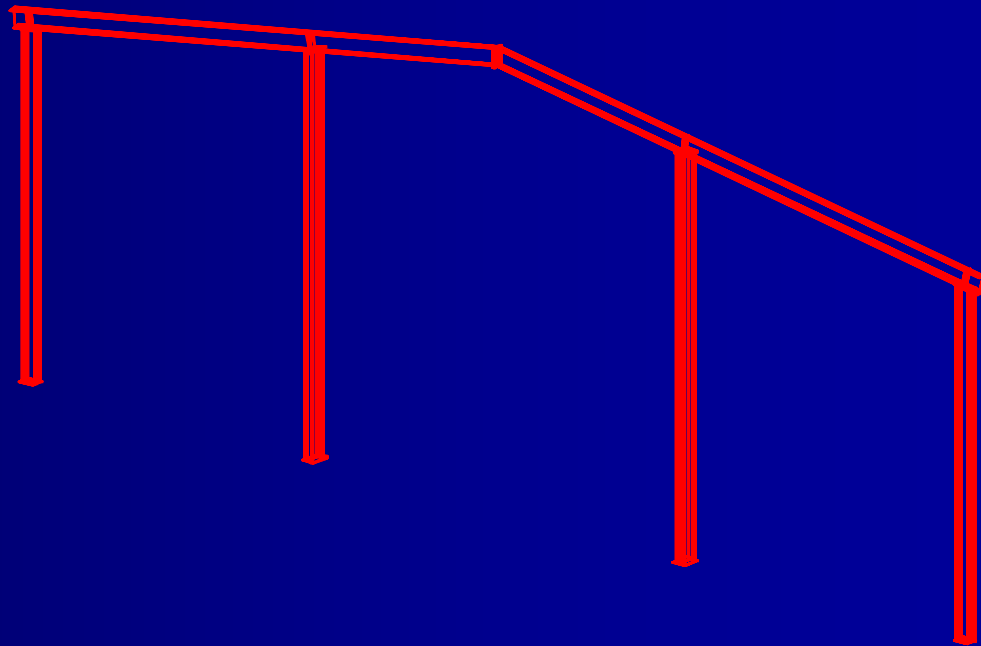
Continuous Beam Frames





End Frames

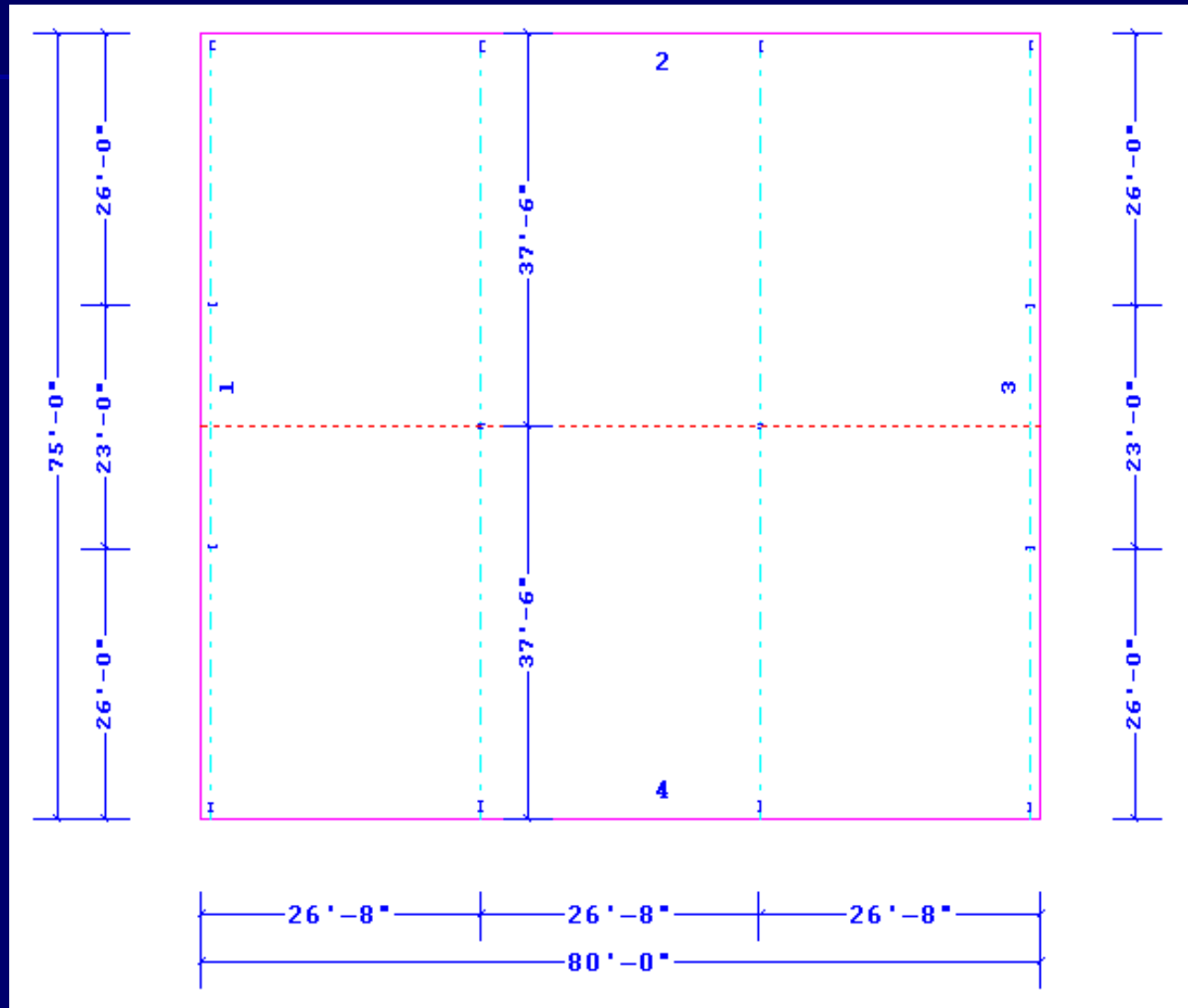
Post and Beam End Frame



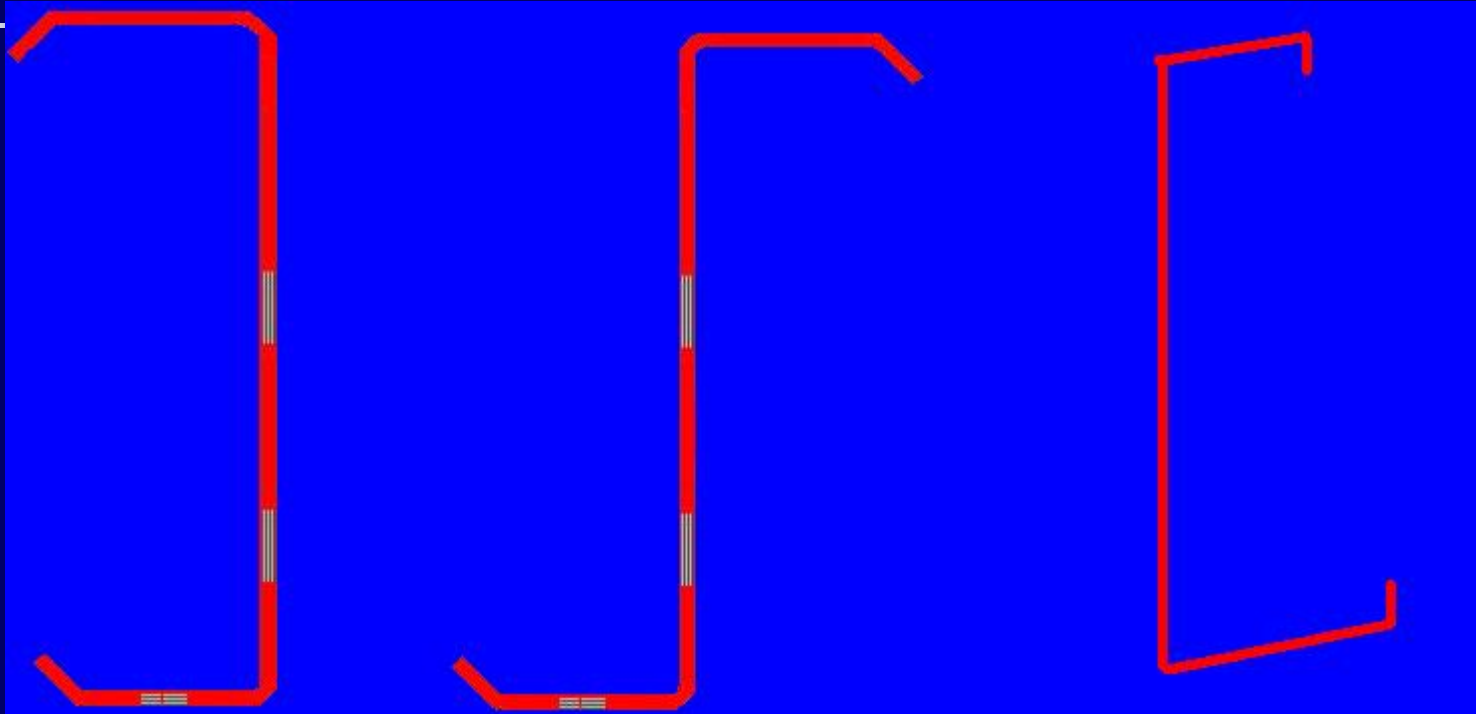


Primary Framing

Frame Locations



Secondary Shapes



Cee

Zee

Eave Purlin

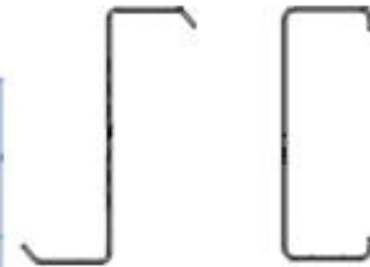


Common Secondary Depths

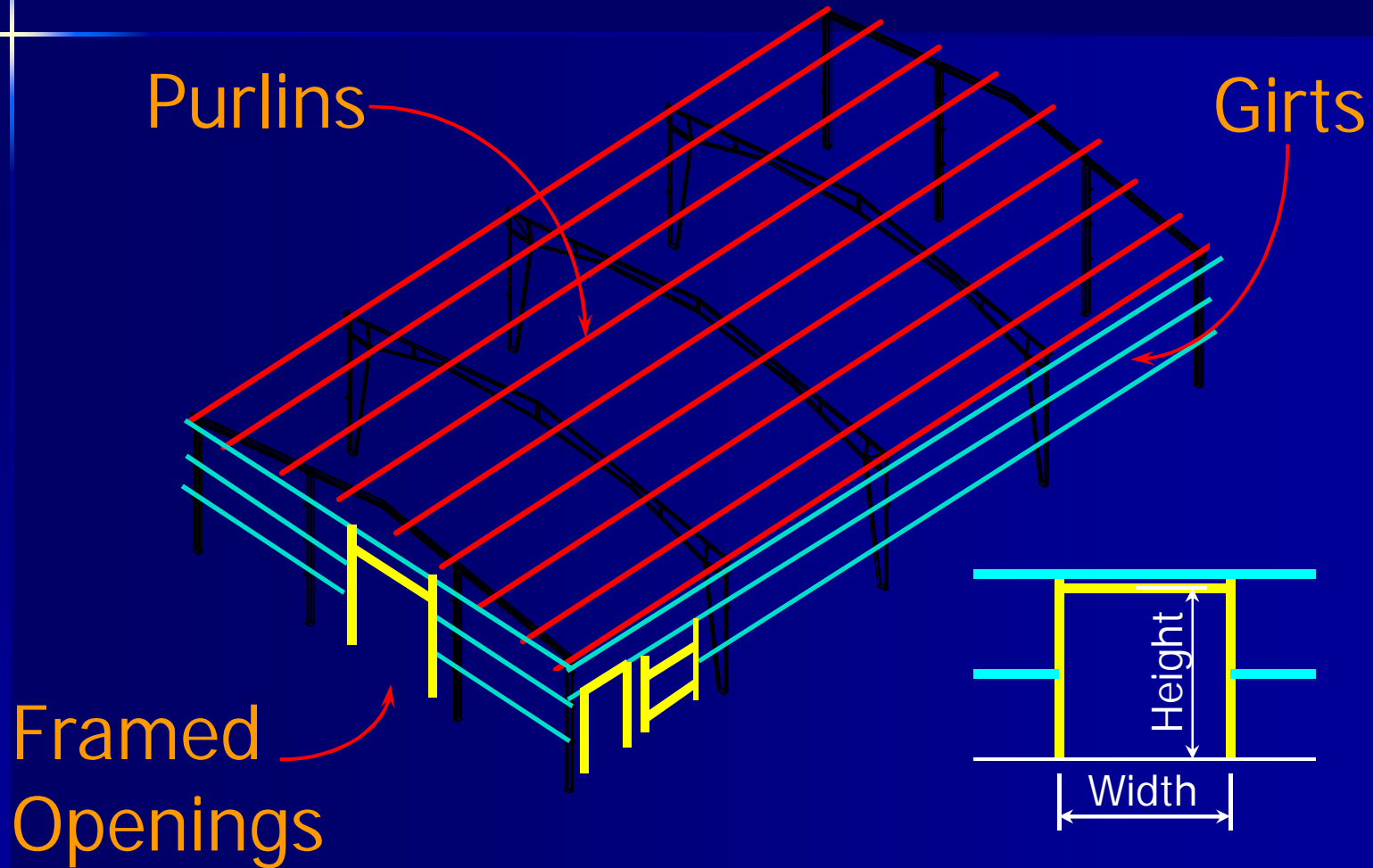
Depths - 7", 8 1/2", 10", 11 1/2" (All may be used as Purlins or Girts)

✓ Struts & non-struts are "grouped" in the same bay.

Thickness	7"	8 1/2"	10"	11 1/2"
17 Gage (0.060)	✓	✓	✓	
16 Gage (0.068)		✓	✓	✓
15 Gage (0.073)	✓	✓	✓	✓
14 Gage (0.079)		✓	✓	
13 Gage (0.088)		✓	✓	✓
12 Gage (0.098)	✓	✓	✓	
11 Gage (0.113)	✓	✓	✓	✓

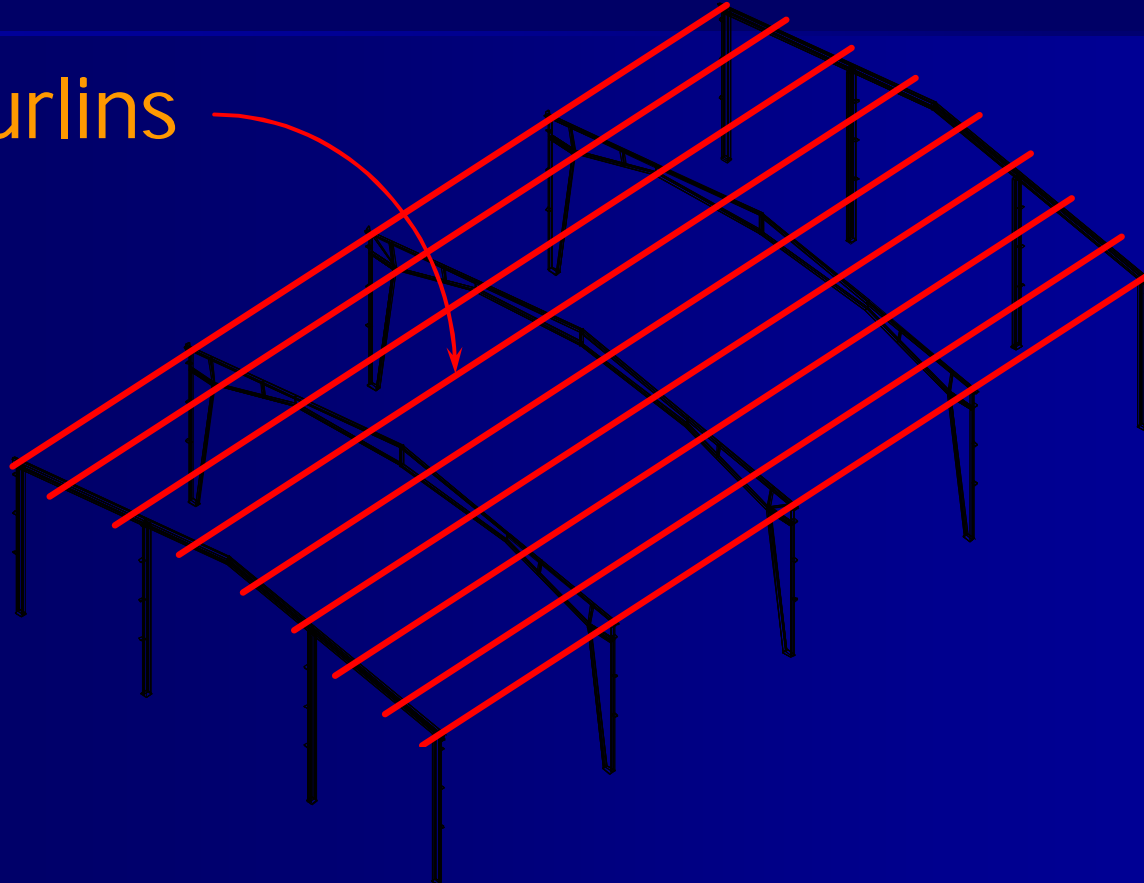


Secondary Framing



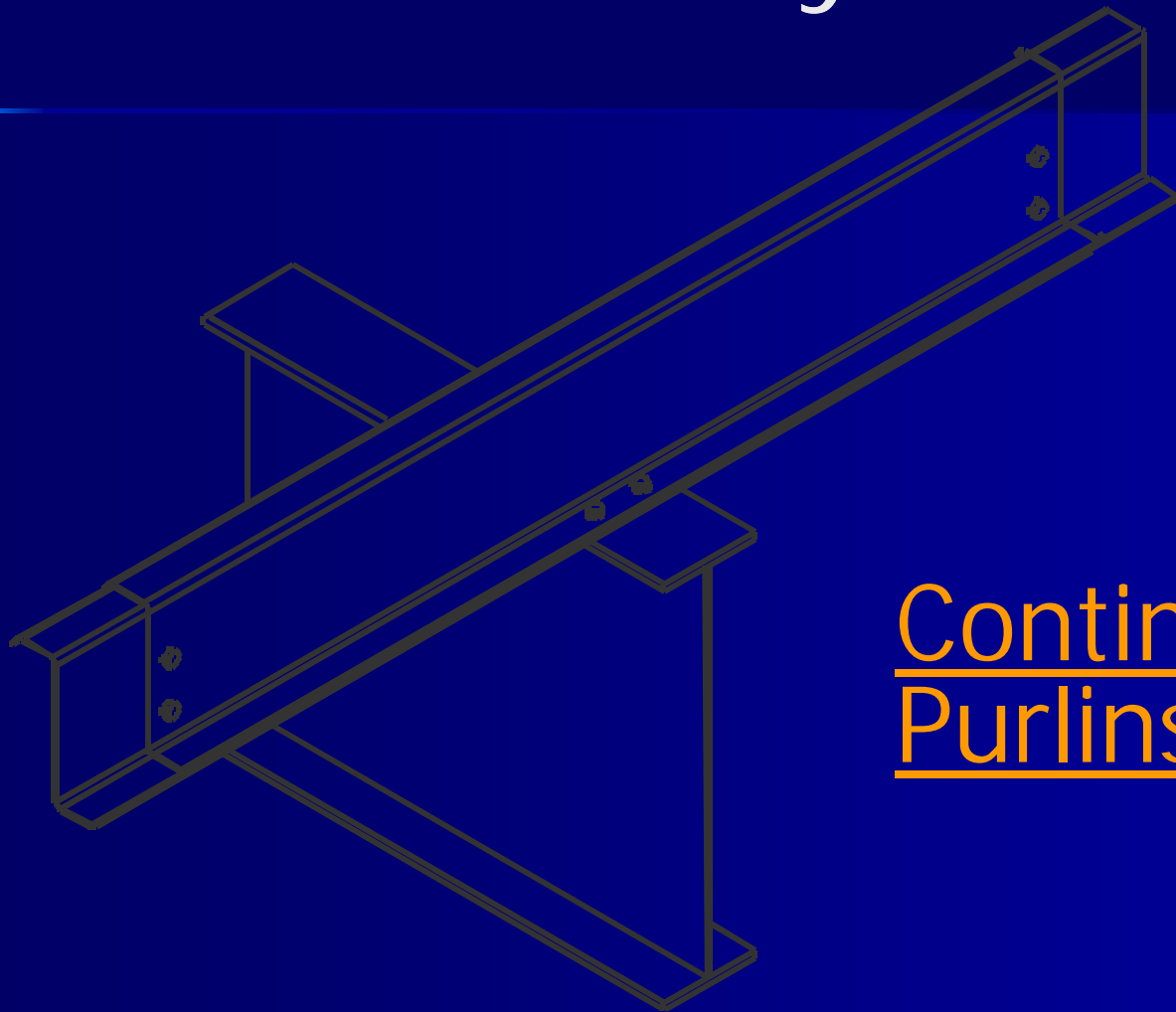
Secondary Framing

Purlins



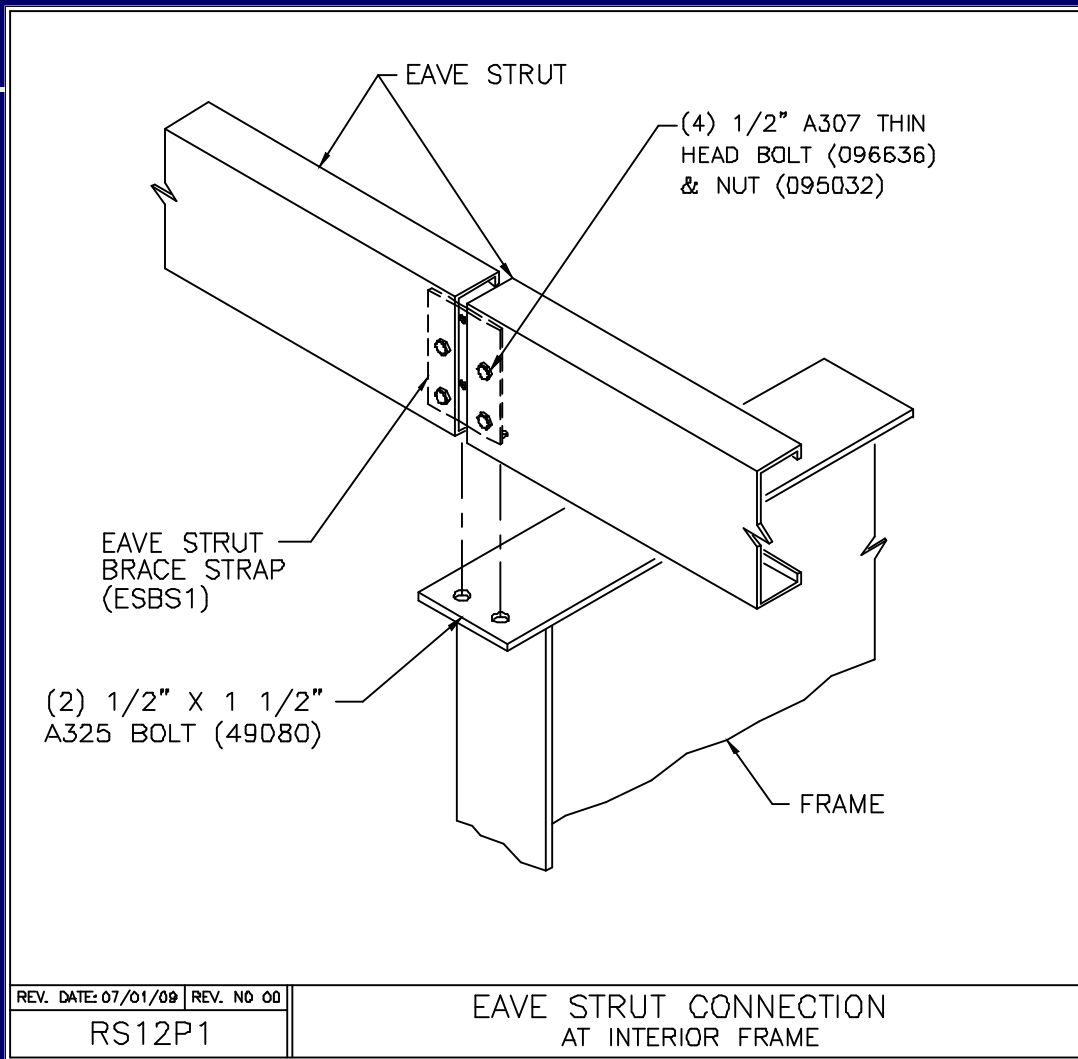


Secondary



Continuous
Purlins

Secondary

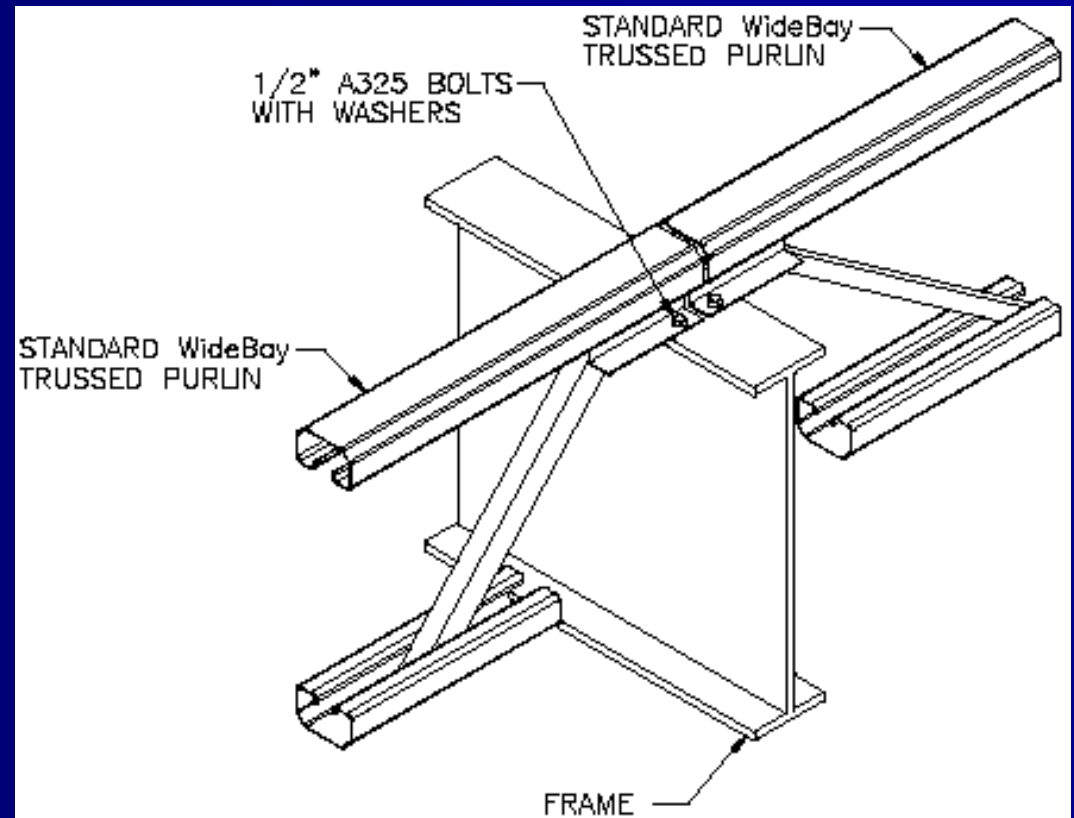


Eave Strut



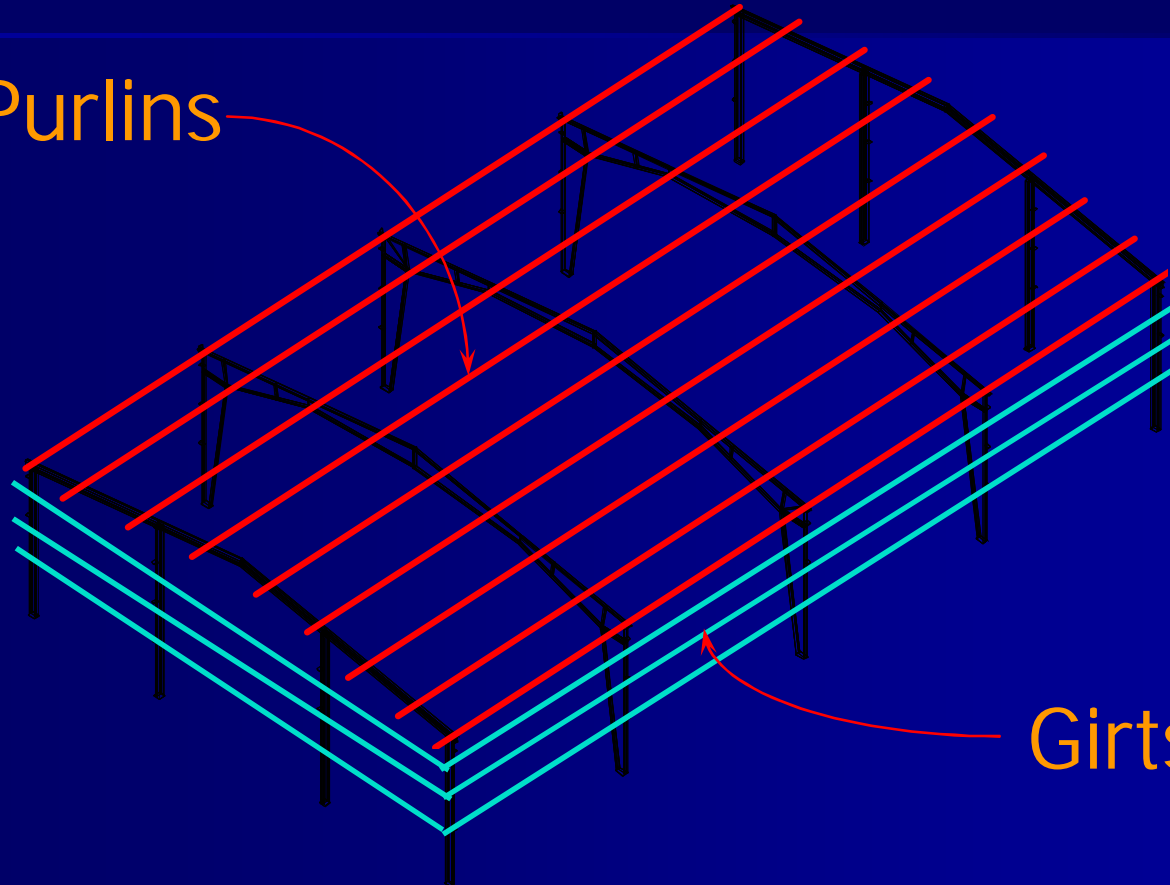
Secondary

Wide Bay Trussed Purlin



Secondary Framing

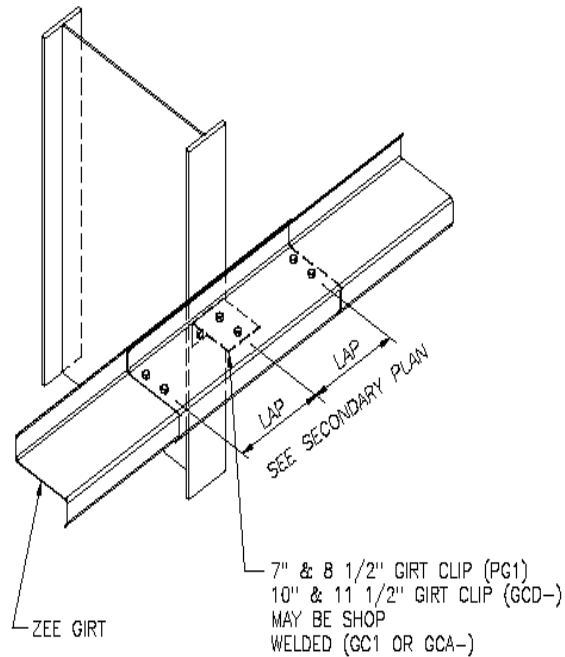
Purlins



Girts

Secondary

NOTE:
LAP BOLTS MUST BE INSTALLED
IN THE OUTERMOST SET OF HOLES



REV. DATE: 07/01/09 | REV. NO. 00

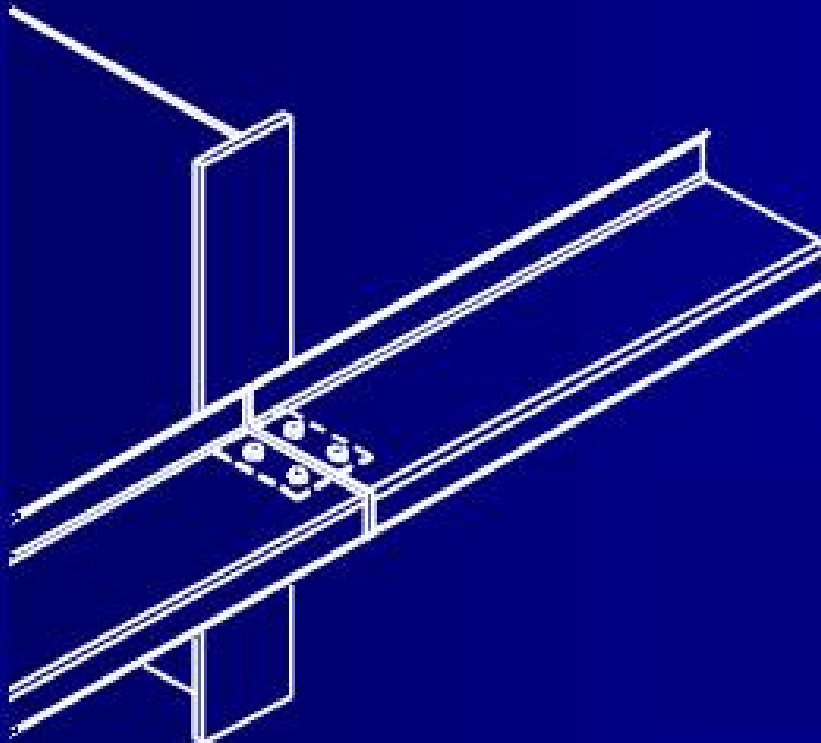
WS01G3

GIRT CONN. AT COLUMN
OUTSET CONTINUOUS GIRT

Continuous Outset Girts



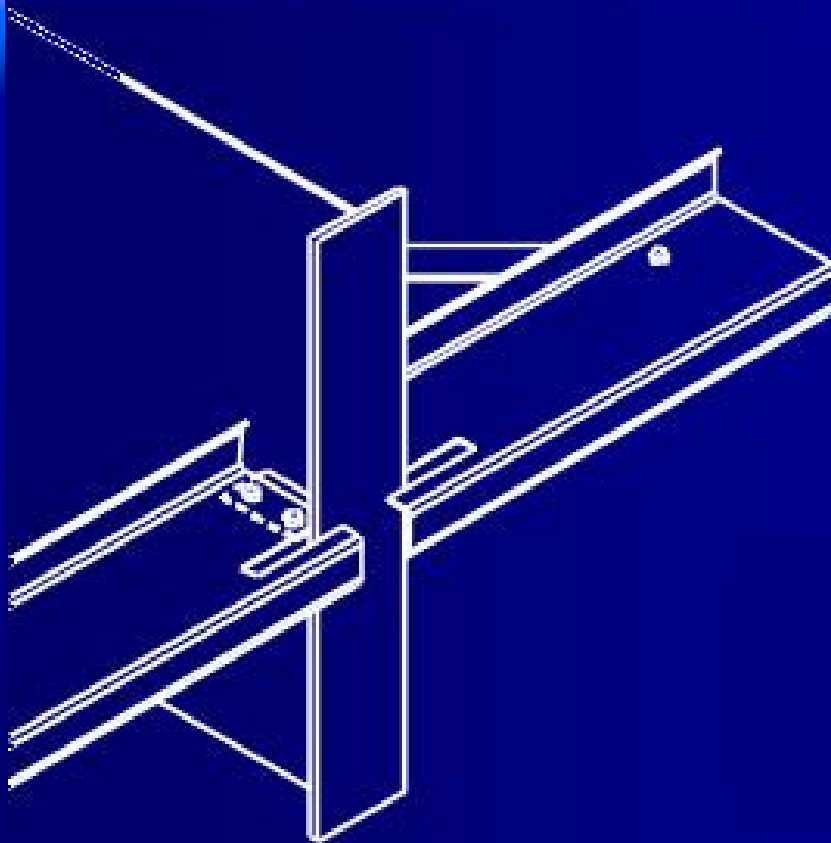
Secondary



Simple Span
Outlet Girts



Secondary



Simple Span
Inset Girts

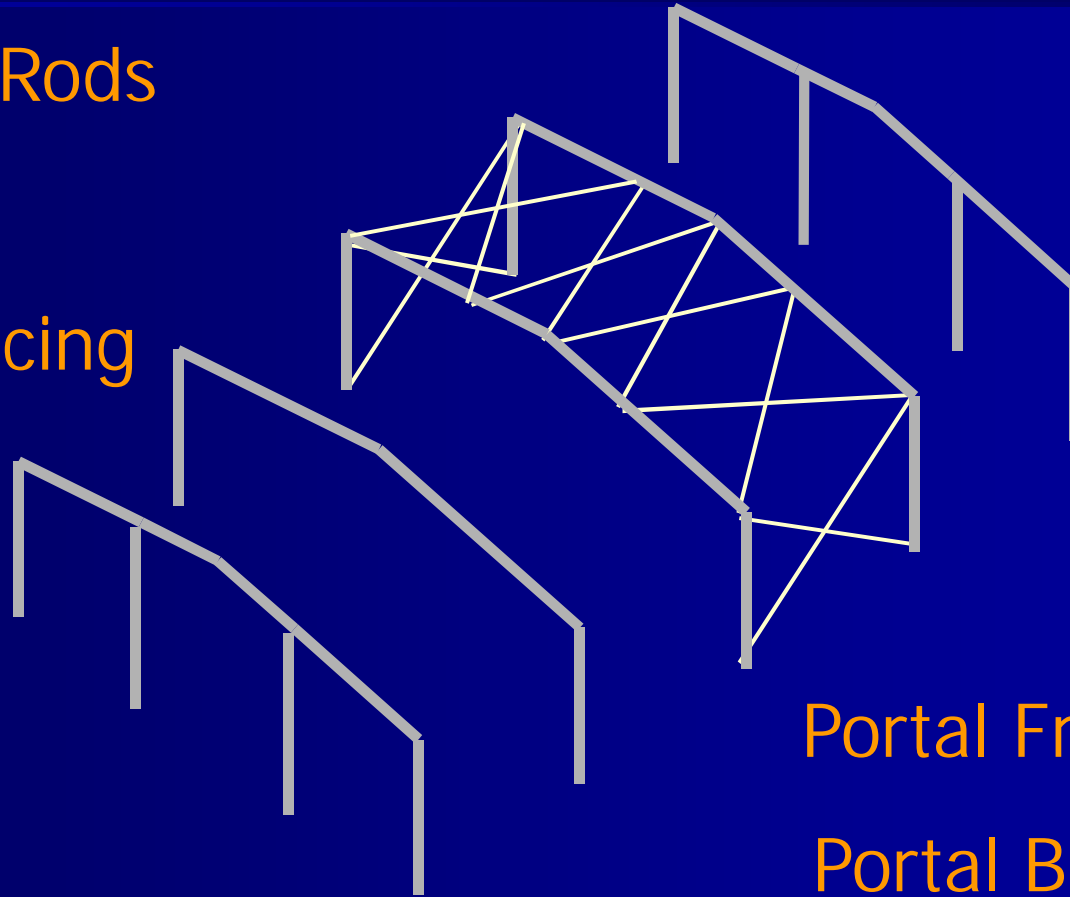


Bracing

Diagonal Rods

Torsional

Other bracing options



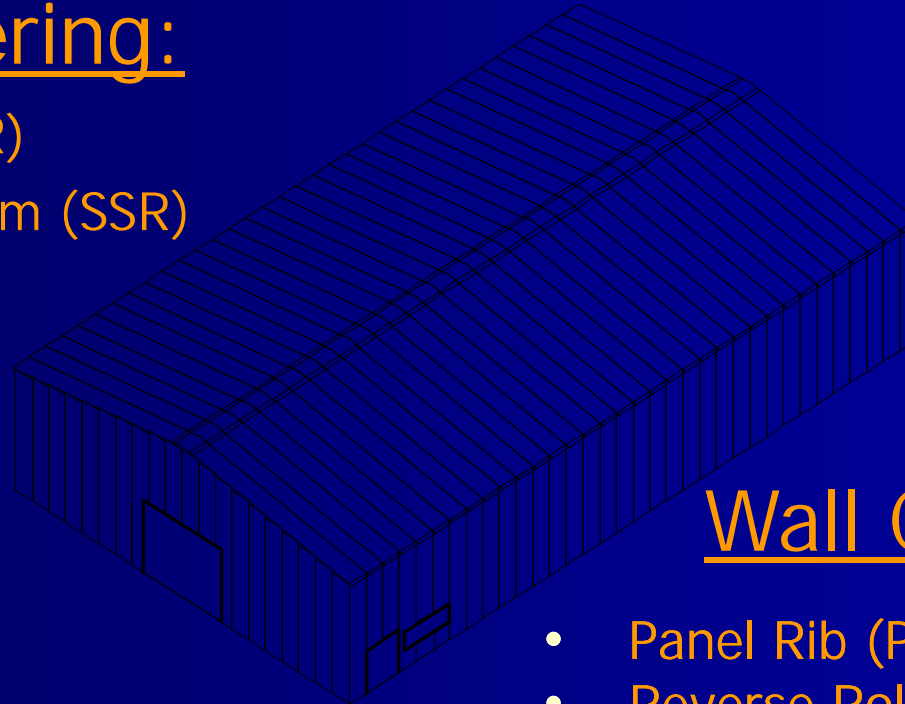
Portal Frames

Portal Braces

Covering

Roof Covering:

- Panel Rib (PR)
- Standing Seam (SSR)
- SLR II

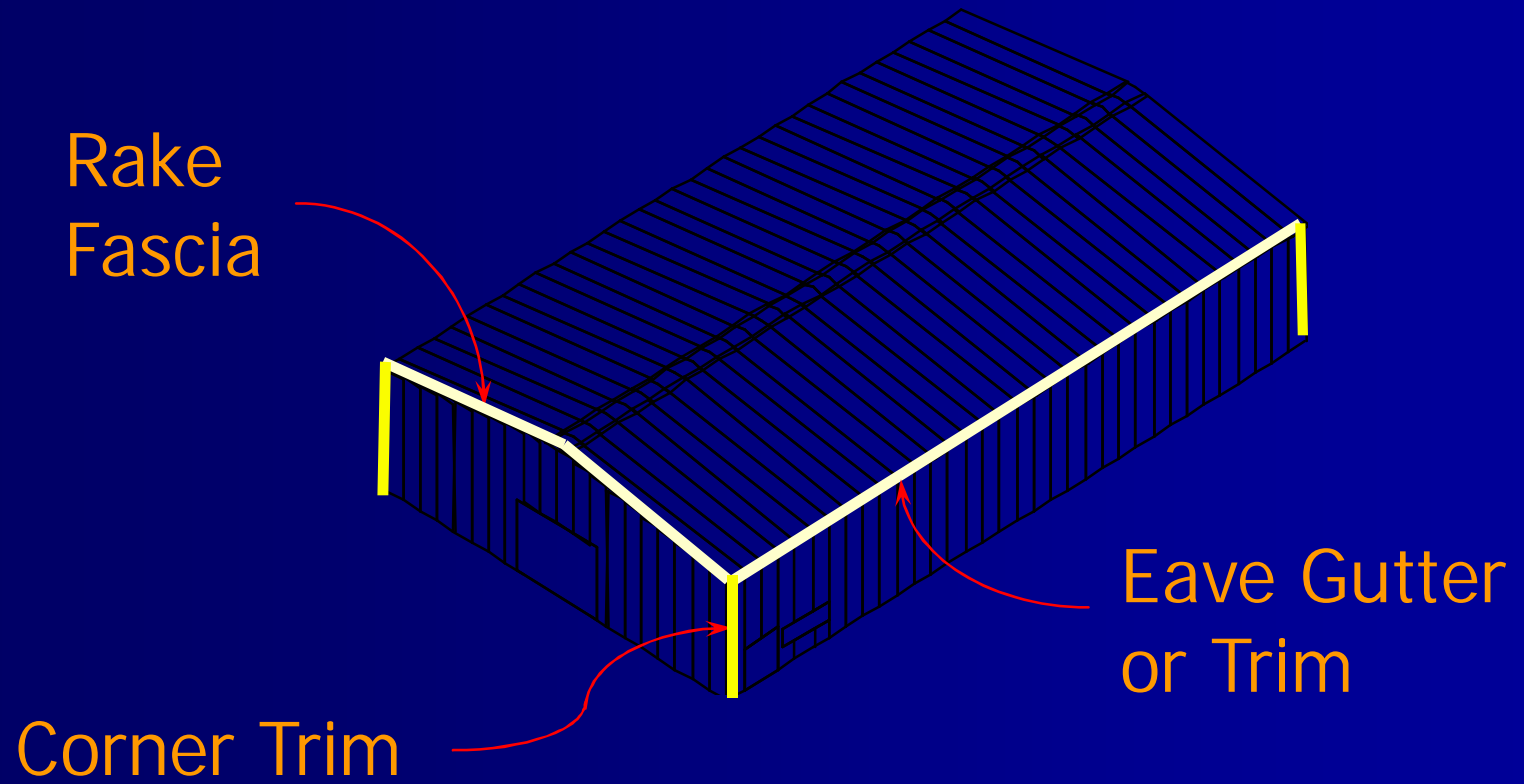


Wall Covering:

- Panel Rib (PR)
- Reverse Rolled Panel Rib (RPR)
- Vee Rib (VR)
- Additional Products



Trim



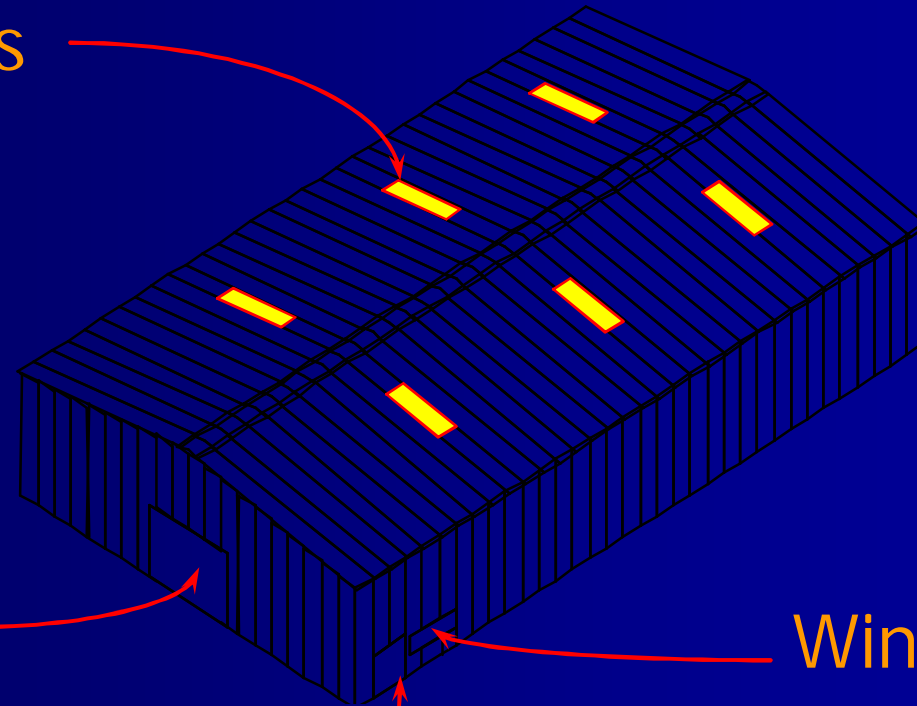


Accessories

Sky Lights
(Tuflites)

Framed
Openings

Service Doors



Windows



Basic System Tips

- Usually most economical to make least dimension the width...
- Gable buildings usually more economical than single-sloped buildings...



System Overview

