



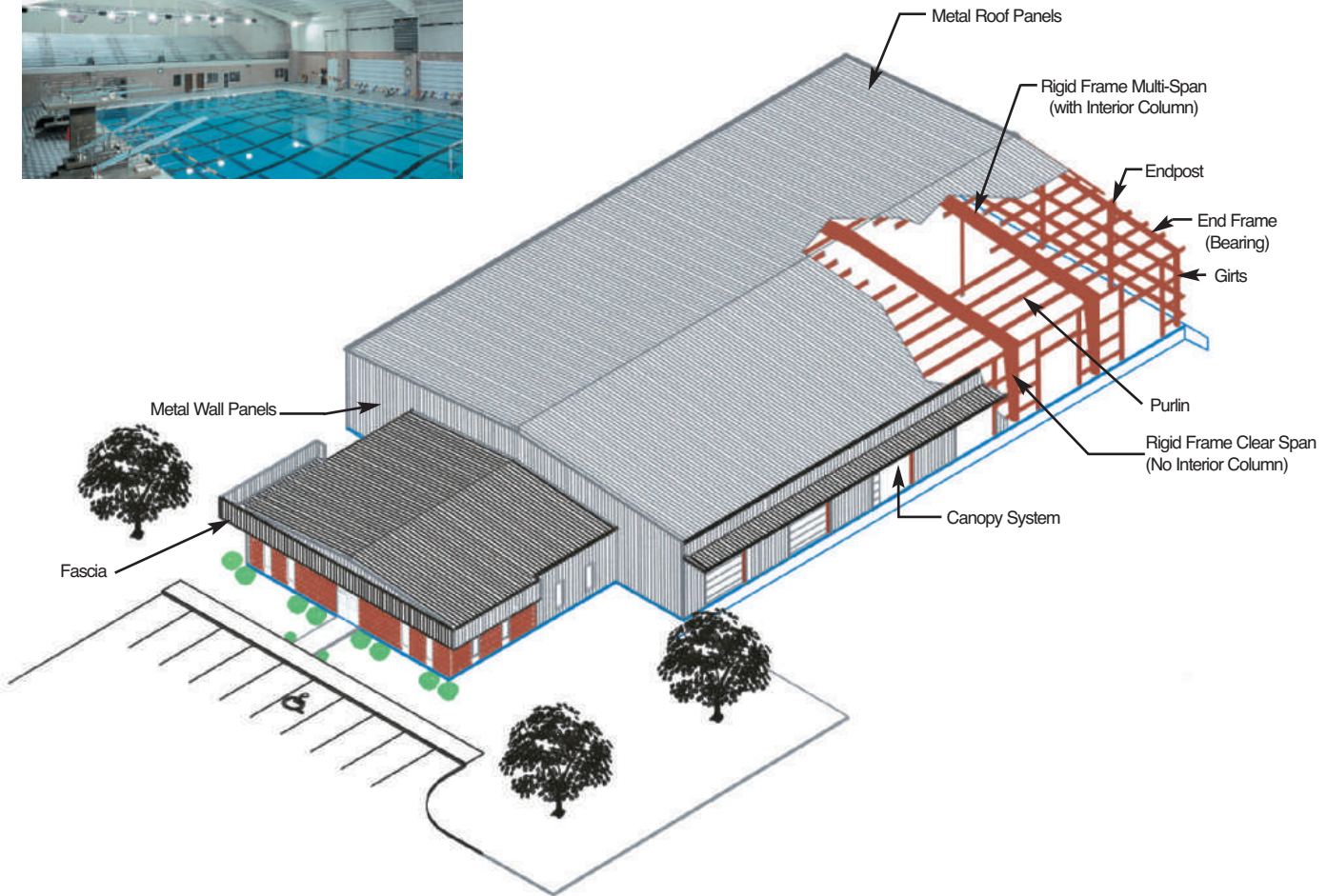
C E C O B U I L D I N G S Y S T E M S

A R C H I T E C T U R A L R E S O U R C E



an NCI Company

# Rigid Frame Structural Systems



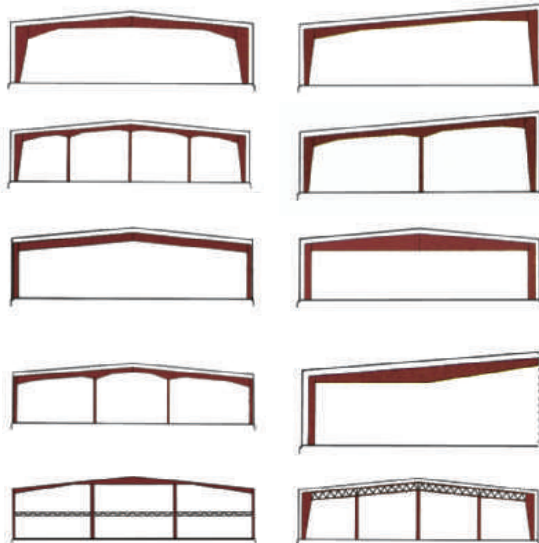
**Rigid Frame Clear Span** – 20' to 160' and wider building width, where column-free floor area is required

**Rigid Frame Multi-Span** – 50' to 500' and wider, where interior columns do not impair function of building

**Flush Wall Clear Span** – 20' to 70' where column-free floor area is required in conjunction with column contained within the girt space

**Flush Wall Multi-Span** – 50' to 250' where interior columns do not impair function of building in conjunction with columns contained within the girt space

**Mezzanines and Multistory** – structural systems available



**Single-Slope Clear Span** – 20' to 160' and wider, where column-free floor area and single-slope is required

**Single-Slope Multi-Span** – 50' to 500' where interior columns do not impair function of building and single-slope is required

**Tapered Beam Straight Column** – 15' to 70' used with short-span column-free interiors where maximum clearance is required

**Lean-To** – 10' to 60' an economical way to increase width of building

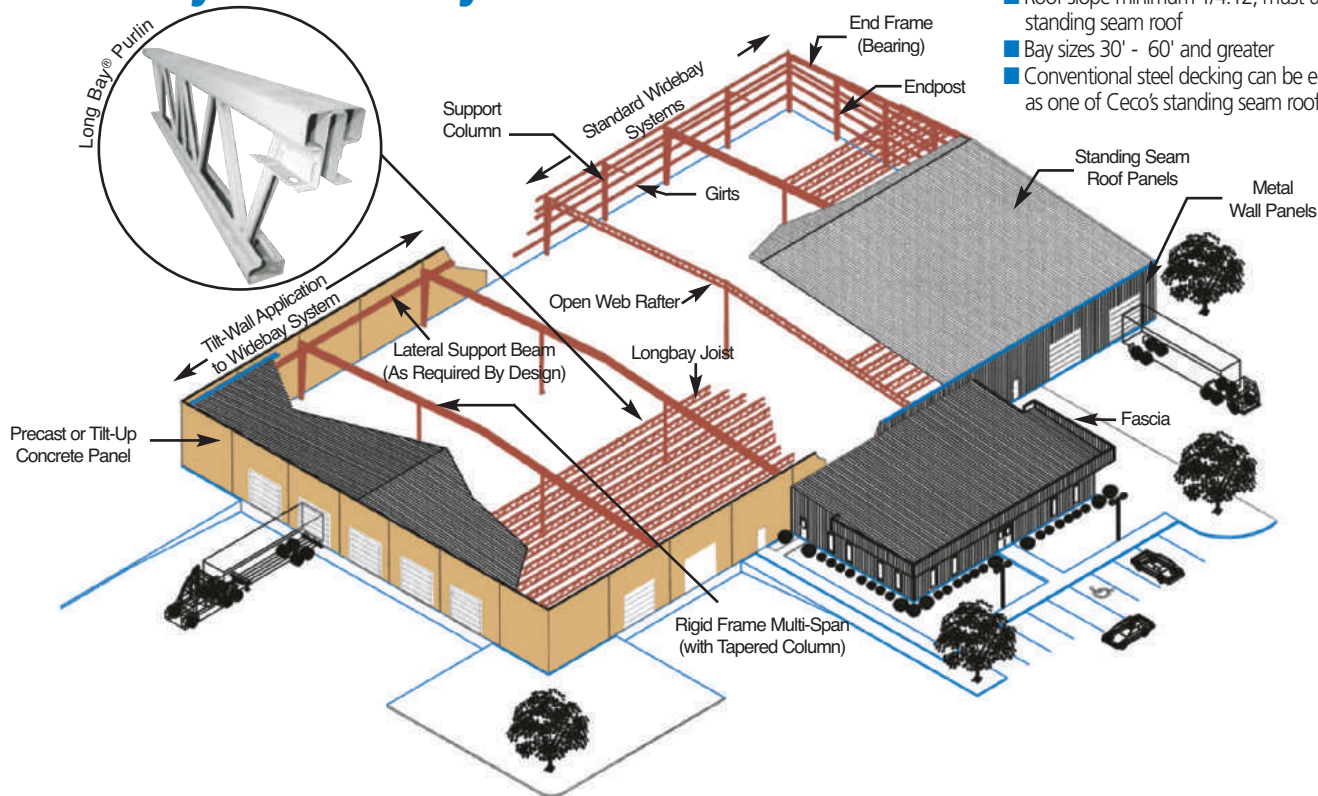
**Modular Open Web** – Multi-Span systems available with open web rafters





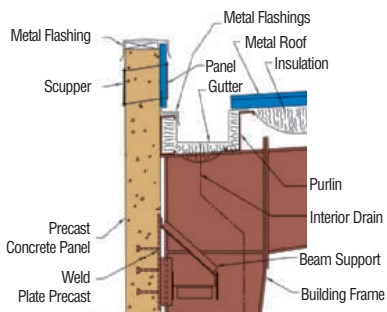
## Widebay Structural Systems

- width - length - height - in 1/16" increments
- Roof slope minimum 1/4:12; must utilize standing seam roof
- Bay sizes 30' - 60' and greater
- Conventional steel decking can be equally used as one of Ceco's standing seam roof systems



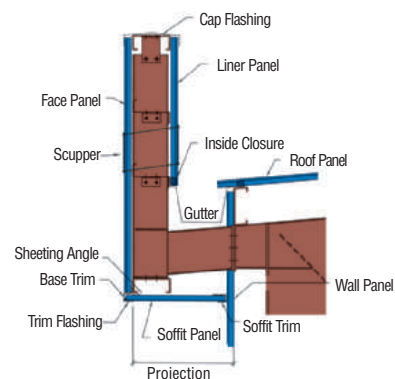
## Tilt-Wall Systems

Any of Ceco's frame types can be used with tilt-wall construction. Each system is designed to ensure structural integrity and to meet applicable building code criteria.

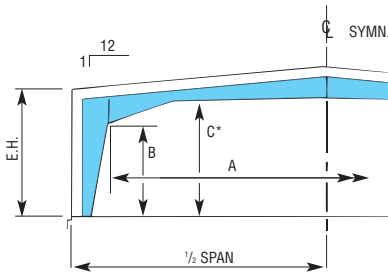


## Fascia Systems

Ceco buildings are designed to integrate with a wide variety of fascia treatments.



# Rigid Frame Clear Span



\*C = Minimum clearance other than at knee (dimension B). All points where rafter changes shape are checked and vertical dimension to lowest of these points is given.

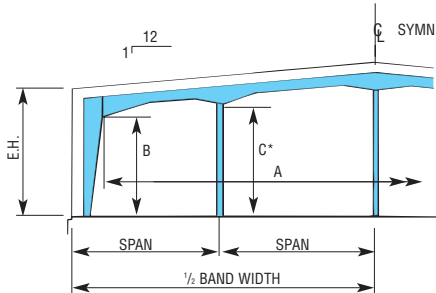
## REPRESENTATIVE CLEARANCE DIMENSIONS 1:12 ROOF SLOPE

ROOF SLOPE - 1:12  
BAY SPACING - 25 FT  
WIND LOAD APPLIED IN  
ACCORDANCE WITH ASCE 7-02,  
EXPOSURE B

CLEARANCE DIMENSIONS (FEET-INCHES)														
FRAME SIZE	LIVE LOAD / WIND LOAD													
	SPAN	E.H.	20/90			20/100			25/90			30/90		
			A	B	C	A	B	C	A	B	C	A	B	C
30	10	26-11	8-5	9-6	26-11	8-5	9-6	26-11	8-5	9-6	26-11	8-5	9-6	
	14	26-11	12-5	13-6	26-11	12-5	13-6	26-11	12-5	13-6	26-11	12-2	13-3	
	16	26-11	14-5	15-6	26-11	14-5	15-6	26-11	14-5	15-6	26-11	14-2	15-3	
	20	26-11	18-5	19-6	26-11	18-5	19-6	26-11	18-5	19-6	26-10	18-1	19-3	
40	10	36-5	8-2	9-8	36-5	8-2	9-8	35-11	8-2	9-8	35-7	7-11	9-5	
	14	36-7	12-2	13-8	36-7	12-2	13-8	36-0	12-2	13-8	35-5	11-11	13-5	
	16	36-7	14-2	15-8	36-6	14-2	15-8	36-0	14-2	15-8	35-7	13-11	15-5	
	20	36-7	18-2	19-8	36-6	18-2	19-8	36-0	18-2	19-8	35-9	17-11	19-5	
50	12	45-3	9-11	11-10	45-3	9-11	11-10	44-9	9-9	11-8	44-3	9-10	11-8	
	16	45-5	13-11	15-10	45-5	13-11	15-10	44-11	13-11	15-10	43-11	13-10	15-8	
	20	45-5	17-11	19-10	45-1	17-11	19-10	44-5	17-10	19-8	43-7	17-10	19-8	
	24	45-7	21-9	23-8	45-7	21-9	23-8	44-11	21-9	23-8	44-3	21-7	23-5	
60	12	53-11	9-2	11-4	53-11	9-2	14-4	53-9	8-11	11-5	53-7	9-0	11-5	
	16	53-5	13-3	15-6	53-5	13-3	15-6	52-11	13-0	15-6	52-5	13-0	15-6	
	20	53-5	17-3	19-6	53-5	17-3	19-6	53-5	17-2	19-6	52-5	17-0	19-6	
	24	53-5	21-3	23-6	53-5	21-3	23-6	53-3	21-2	23-6	52-5	21-0	22-6	
80	12	72-9	8-6	11-7	72-9	8-6	11-7	72-7	8-3	11-8	71-11	8-3	11-9	
	16	71-9	12-6	15-8	71-9	12-6	16-8	71-7	12-4	15-8	71-5	12-2	15-8	
	20	71-9	16-4	19-9	71-9	16-4	19-9	71-5	16-5	19-10	71-5	16-1	19-8	
	24	71-7	20-4	23-9	71-7	20-4	23-9	71-5	20-5	23-10	71-5	20-3	23-9	
100	16	91-5	12-0	15-9	91-5	12-0	15-9	91-5	12-0	15-6	91-1	11-7	15-9	
	20	91-5	16-0	19-9	91-5	16-0	19-9	91-5	16-0	19-8	90-1	15-8	19-10	
	24	91-5	20-0	23-9	91-5	20-0	23-9	91-1	20-0	23-7	89-11	19-8	23-10	
	30	91-5	26-0	29-8	91-5	26-0	29-8	91-1	26-0	29-6	89-7	25-8	29-10	
120	16	111-1	11-8	15-3	111-1	11-8	15-3	110-5	11-1	15-1	110-3	10-9	15-1	
	20	110-11	15-7	19-1	110-11	15-7	19-1	109-7	14-11	19-6	109-7	14-10	19-5	
	24	110-5	19-7	23-1	110-5	19-8	23-1	108-9	19-0	23-7	108-5	18-11	23-6	
	30	109-9	25-9	29-7	109-11	25-9	29-7	108-5	24-11	29-6	108-5	24-11	29-6	

- Notes:**
- Clearances shown are approximate. Actual Clearances may be somewhat different.
  - Live loads greater than 30 lbs. must be quoted. Please contact the estimating department at your regional office.
  - Clearances are based on the use of 8.5 in Girts and Purlins.

# Rigid Frame Multi-Span



\*C = Minimum clearance other than at knee (dimension B). All points where rafter change shapes are checked and vertical dimension to lowest of these points is given.

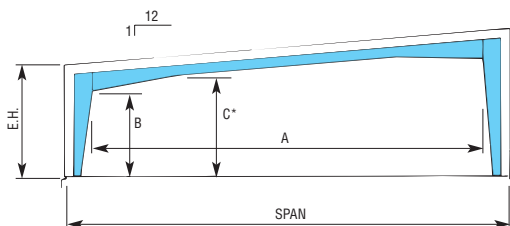
## REPRESENTATIVE CLEARANCE DIMENSIONS 1:12 ROOF SLOPE

BAY SPACING - 25 ft.  
ROOF SLOPE - 1:12  
Wind Load Applied in accordance with  
ASCE 7-02, Exposure B

CLEARANCE DIMENSIONS (FEET-INCHES)														
Frame Size	LIVE LOAD/WIND LOAD													
	SPAN	E.H.	20/90			20/100			25/90			30/90		
			A	B	C	A	B	C	A	B	C	A	B	C
2 at 40	10	76-11	7-11	11-1	76-11	7-11	11-1	76-8	7-6	10-8	76-2	7-6	10-8	
	14	76-11	11-9	14-11	76-11	11-9	14-11	76-11	11-6	14-8	76-8	11-5	14-7	
	16	76-11	13-9	16-11	76-11	13-9	16-11	76-11	13-6	16-8	76-8	13-5	16-7	
	20	76-11	17-9	20-11	76-11	17-9	20-11	76-11	17-6	20-8	76-11	17-4	20-7	
2 at 60	10	112-0	6-6	11-7	112-0	6-6	11-7	112-2	6-11	11-2	113-0	6-9	10-8	
	14	112-4	11-1	15-6	112-4	11-1	15-8	113-5	11-3	15-0	112-11	11-0	14-9	
	16	112-6	13-1	17-5	114-3	13-4	17-5	113-5	13-1	16-11	112-5	13-1	16-9	
	20	113-5	17-6	21-4	113-5	17-6	21-4	113-5	17-2	20-10	112-7	17-1	20-8	
3 at 40	12	116-11	9-11	14-9	116-11	9-11	14-9	116-6	9-9	14-7	116-1	9-9	14-7	
	16	116-11	13-11	18-9	116-11	13-11	18-9	116-8	13-9	18-7	116-6	13-6	18-4	
	20	116-11	17-11	22-9	116-11	17-11	22-9	116-11	17-9	22-7	116-8	17-6	22-4	
	24	116-6	21-11	26-9	116-7	21-11	26-9	116-6	21-9	26-7	116-5	21-6	26-4	
3 at 60	12	173-7	9-0	14-1	173-7	9-0	14-1	173-3	8-9	13-10	172-11	8-6	13-7	
	16	173-5	13-2	18-0	173-7	13-1	18-0	172-7	12-9	17-9	172-1	12-8	17-5	
	20	173-5	17-3	21-11	173-5	17-0	21-11	172-7	17-0	21-8	172-3	16-9	21-4	
	24	173-5	21-4	25-10	173-5	21-4	25-10	173-5	21-4	25-7	172-3	20-10	25-3	
4 at 40	12	156-11	19-11	16-5	156-11	19-11	16-5	156-8	9-9	16-3	156-6	9-6	16-0	
	16	156-11	13-11	20-5	156-11	13-11	20-5	156-11	13-9	20-3	156-8	13-6	20-0	
	20	156-11	17-11	24-5	156-11	17-11	24-5	156-11	17-9	24-3	156-11	17-6	24-0	
	24	156-5	21-11	28-5	156-5	21-11	28-5	156-7	21-9	28-3	156-6	21-6	28-0	
4 at 60	16	233-5	13-3	17-10	233-5	13-3	17-10	232-11	13-2	17-7	232-3	12-10	17-3	
	20	233-7	17-4	21-9	233-5	17-5	21-9	233-5	17-4	21-5	232-5	16-11	21-3	
	24	233-5	21-5	25-9	233-5	21-5	25-9	233-5	21-5	25-5	232-9	21-3	25-1	
	30	233-5	27-7	31-8	233-3	27-7	31-8	233-3	27-7	31-4	232-3	27-1	31-2	
5 at 60	16	293-5	13-3	17-10	293-5	13-4	17-10	292-11	13-2	17-6	292-5	12-10	17-1	
	20	293-5	17-5	21-9	293-5	17-5	21-9	293-5	17-3	21-5	292-5	16-11	21-1	
	24	293-5	21-5	25-9	293-5	21-5	25-9	293-5	21-4	25-5	292-5	21-0	25-1	
	30	293-5	27-6	31-8	293-5	27-5	31-8	293-5	27-8	31-5	292-5	27-1	31-1	

- Notes:**
- Clearances shown are approximate. Actual clearances may be somewhat different.
  - Live loads greater than 30 lbs. must be quoted. Please contact the estimating department at your regional office.
  - Clearances are based on the use of 8.5 in Girts and Purlins.

## Single Slope Clear Span



\*C = Minimum clearance other than at low side knee (dimension B). All points where rafter changes shape are checked and vertical dimension to lowest of these points is given. If entire rafter has parallel flanges C is the vertical clearance at the high side knee.

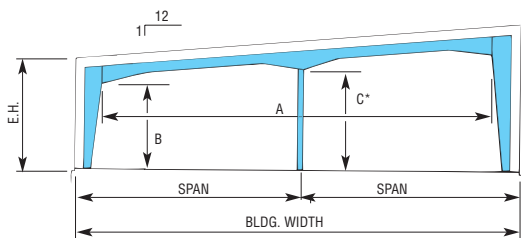
### REPRESENTATIVE CLEARANCE DIMENSIONS 1:12 ROOF SLOPE

BAY SPACING            –            25 ft.  
ROOF SLOPE             –            1:12  
WIND LOAD APPLIED IN  
ACCORDANCE WITH ASCE 7-02,  
EXPOSURE B

CLEARANCE DIMENSIONS (FEET-INCHES)													
FRAME SIZE	LIVE LOAD / WIND LOAD												
	20/90			20/100			25/90			30/90			
SPAN	E.H.	A	B	C	A	B	C	A	B	C	A	B	C
20	10	16-11	8-5	9-10	16-11	8-5	9-10	16-11	8-5	9-10	16-11	8-5	9-10
	12	16-11	10-5	11-10	16-11	10-5	11-10	16-11	10-5	11-10	16-11	10-5	11-10
	14	16-11	12-5	13-10	16-11	12-5	13-10	16-11	12-5	13-10	16-11	12-5	13-10
	16	16-11	14-5	15-10	16-11	14-5	15-10	16-11	14-5	15-10	16-11	14-5	15-10
30	10	26-11	8-5	10-8	26-11	8-5	10-8	26-11	8-5	10-8	26-11	8-4	10-7
	12	26-11	10-5	12-8	26-11	10-5	12-8	26-11	10-5	12-8	26-11	10-4	12-7
	14	26-11	12-5	14-8	26-11	12-5	14-8	26-11	12-5	14-8	26-11	12-4	14-7
	16	26-11	14-5	16-8	26-11	14-5	16-8	26-11	14-5	16-8	26-11	14-4	16-7
40	10	36-6	8-2	11-2	36-6	8-2	11-2	36-6	8-2	11-2	35-11	8-2	11-2
	12	36-6	10-2	13-2	36-6	10-2	13-2	36-6	10-2	13-2	35-11	10-2	13-2
	14	36-6	12-2	15-2	36-6	12-2	15-2	36-6	12-2	15-2	35-11	12-2	15-2
	16	36-6	14-2	17-2	36-6	14-2	17-2	36-6	14-2	17-2	35-11	13-11	16-11
50	12	45-6	9-11	13-9	45-6	9-11	13-9	45-2	9-11	13-8	44-6	9-9	13-6
	14	45-6	11-11	15-9	45-6	11-11	15-9	45-2	11-11	15-8	44-6	11-9	15-6
	16	45-6	13-11	17-9	45-6	13-11	17-9	45-2	13-11	17-8	44-6	13-9	17-6
	18	45-6	15-11	19-9	45-6	15-11	19-9	45-2	15-11	19-8	44-6	15-9	19-6
60	12	53-8	9-4	11-5	53-8	9-4	11-5	53-0	9-3	11-4	52-8	9-1	11-1
	14	53-8	11-4	13-5	53-8	11-4	13-5	53-0	11-3	13-4	52-6	11-1	13-1
	16	53-8	13-4	15-5	53-8	13-4	15-5	53-0	13-3	15-4	52-4	13-1	15-1
	20	53-8	17-4	19-5	53-8	17-4	19-5	53-0	17-3	19-4	52-2	17-1	19-1
80	12	72-4	8-8	11-4	72-4	8-8	11-4	72-2	8-8	11-4	71-11	8-6	11-4
	14	72-2	10-8	13-4	72-2	10-8	13-4	72-0	10-8	13-4	71-9	10-6	13-4
	16	72-0	12-8	15-4	72-0	12-8	15-4	71-10	12-8	15-4	71-7	12-6	15-4
	20	71-10	16-8	19-4	71-10	16-8	19-4	71-8	16-8	19-4	71-5	14-6	19-4
100	12	91-9	8-5	10-8	91-9	8-5	10-8	90-6	8-0	10-8	90-1	8-0	10-2
	14	91-7	10-5	12-8	91-7	10-5	12-8	90-6	10-0	12-8	90-1	10-0	12-2
	16	91-5	12-5	14-8	91-5	12-5	14-8	90-6	12-0	14-8	90-1	12-0	14-2
	20	91-3	16-5	18-8	91-3	16-5	18-8	90-6	16-0	18-8	90-1	16-0	18-2

- Notes:**
- Clearances shown are approximate. Actual Clearances may be somewhat different.
  - Live Loads greater than 30 lbs must be quoted. Please contact the estimating department at your regional office.
  - Clearances are based on the use of 8.5 in Girts and Purlins.

## Single Slope Multi-Span



\*C = Minimum clearance other than at knee (dimension B). All points where rafter changes shape are checked and vertical dimension to lowest of these points is given.

### CLEARANCE DIMENSIONS 1:12 ROOF SLOPE

BAY SPACING            –            25 ft.  
ROOF SLOPE             –            1:12  
WIND LOAD APPLIED IN  
ACCORDANCE WITH ASCE 7-02,  
EXPOSURE B

CLEARANCE DIMENSIONS (FEET-INCHES)													
FRAME SIZE	LIVE LOAD / WIND LOAD												
	20/80			20/100			25/90			30/90			
SPAN	E.H.	A	B	C	A	B	C	A	B	C	A	B	C
2 at 40	12	76-11	9-11	13-1	76-11	9-11	13-1	76-11	9-9	12-11	76-9	9-6	12-8
	14	76-11	11-11	15-1	76-11	11-11	15-1	76-11	11-9	14-11	76-9	11-6	14-8
	16	76-7	13-11	17-1	76-7	13-11	17-1	76-7	13-9	16-11	76-5	13-6	16-8
	20	75-4	17-11	21-1	75-4	17-11	21-1	75-4	17-9	20-11	75-2	17-6	20-8
2 at 60	12	114-7	10-2	13-7	114-7	10-2	13-7	114-2	10-2	13-2	113-4	10-2	13-2
	14	114-7	12-2	15-6	114-7	12-2	15-6	113-11	12-2	15-5	113-4	12-0	15-5
	16	114-7	14-2	17-6	114-7	14-2	17-6	113-11	14-0	17-2	113-4	13-10	17-2
	20	114-5	17-9	21-6	114-3	17-9	21-6	113-11	17-9	21-4	113-4	17-9	21-4
3 at 40	12	116-11	9-11	13-1	116-11	9-11	13-1	116-8	9-9	12-11	116-7	9-9	12-11
	14	116-7	11-11	15-1	116-3	11-11	15-1	116-3	11-9	14-11	116-3	11-9	14-11
	16	116-0	13-11	17-1	115-11	13-9	16-11	115-11	13-9	16-11	115-11	13-9	16-11
	20	114-11	17-9	20-11	114-7	17-9	20-11	114-7	17-9	20-11	114-7	17-9	20-11
3 at 60	12	174-7	10-2	13-9	174-7	10-2	13-9	173-10	10-2	13-3	173-3	9-11	13-0
	14	174-7	12-2	15-6	174-5	12-2	15-4	173-5	11-11	15-3	172-9	11-11	15-0
	16	174-7	13-9	17-6	174-5	13-9	17-4	173-5	13-9	17-3	172-9	13-9	17-0
	20	174-1	17-7	21-6	173-7	17-4	21-4	172-10	17-4	21-3	172-6	17-4	21-0
4 at 40	12	156-4	9-11	13-1	156-0	9-9	12-11	156-0	9-9	12-11	156-0	9-6	12-8
	14	156-0	11-11	15-1	155-9	11-11	15-1	155-9	11-9	14-11	155-9	11-6	14-8
	16	155-1	13-11	17-1	154-11	13-11	17-1	154-11	13-6	16-8	154-11	13-6	16-8
	20	154-3	17-10	20-11	154-1	17-10	20-11	154-1	17-7	20-8	154-1	17-7	20-8
4 at 60	12	234-8	9-11	13-4	234-8	9-11	13-4	233-11	9-11	13-4	233-8	9-11	13-4
	14	234-5	11-6	15-4	234-5	11-6	15-4	233-9	11-6	15-4	233-3	11-6	15-4
	16	234-5	13-6	17-4	234-3	13-6	17-4	233-2	13-6	17-4	233-0	13-6	17-4
	20	232-5	16-10	21-4	233-0	16-10	21-4	232-11	16-10	21-4	232-11	16-10	21-4
5 at 40	12	196-2	9-11	13-1	196-0	9-11	13-1	196-0	9-9	12-11	196-0	9-6	12-8
	14	195-1	11-11	15-1	195-1	11-11	15-1	195-1	11-9	14-11	195-1	11-9	14-11
	16	194-8	13-10	16-11	194-6	13-10	16-11	194-2	13-7	16-11	194-2	13-7	16-8
	20	194-2	17-10	20-11	193-6	17-8	20-8	193-6	17-7	20-8	193-6	17-7	20-8

\*\*\* Roof step should be considered.

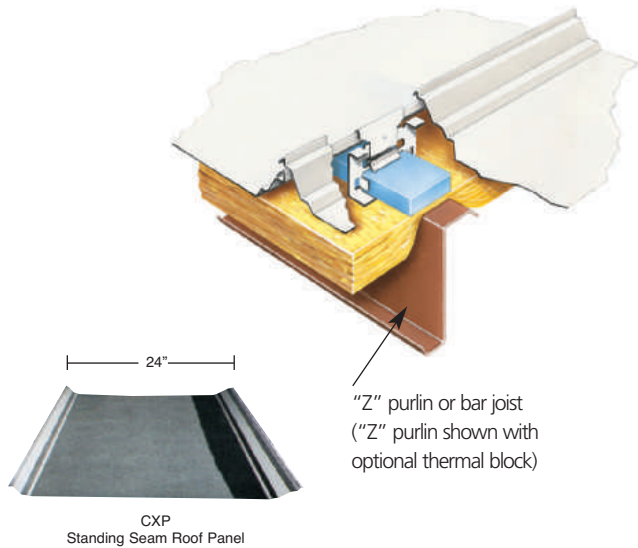
- Notes:**
- Clearances shown are approximate. Actual Clearances may be somewhat different.
  - Live Loads greater than 30 lbs must be quoted. Please contact the estimating department at your regional office.
  - Clearances are based on the use of 8.5 in Girts and Purlins.

Note: Ceco buildings are designed to the specific requirements of the project and are flexible in increments of 1/16" in length, width, height, and column spacing. These tables are meant to provide typical rigid frame clearance dimensions expected based on conditions shown. Actual clearance may vary based on the unique requirements of each job and changes in bay spacing, roof slope or loads will affect clearance dimensions.

Buildings with dimensions exceeding the spans and eave heights shown are available by request. Also buildings with roof loads greater than 30 PSF must be quoted. Tables providing clearance dimensions for Flush Wall, Tapered Beam and Lean-to types can be found in the Ceco Design Manual or on the Web at [www.cecobuildings.com](http://www.cecobuildings.com).



# Two Ceco Standing Seam Roofs

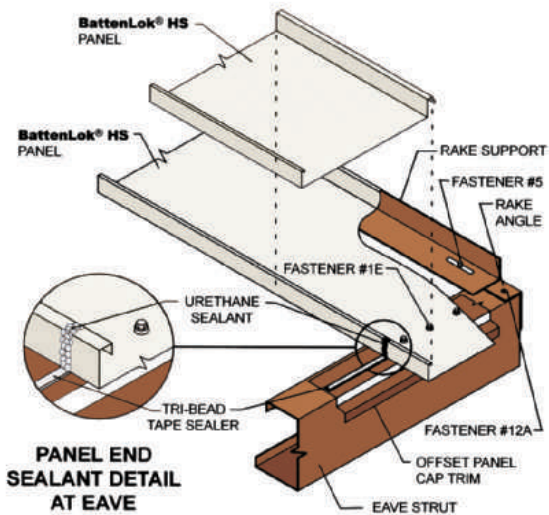


**CXP (Standing Seam Roof Panel)** is roll-formed 24 inches wide. Each edge corrugation is one half of a major rib and has a standing leg on top of the half rib that interlocks with the adjacent panel. Edge corrugation is 2 inches high (2 7/8 inches including the standing leg). All major ribs taper from 1 inch at top to 4 1/4 inches at base.

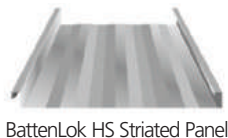
Interlocking standing legs at side laps are field seamed together into a 360° Pittsburgh Double Lock Seam by use of an electric seaming tool. Factory applied sealant is provided in the overlapping standing seam leg to assure weathertightness of the seamed joint. Concealed clips, which are seamed into the panel side lap, are furnished by Ceco to fasten panels to structural members. Panels are factory prenotched for correct makeup at end laps.

Each panel provides 24 inches of coverage. Panel finish is either acrylic coated GALVALUME® or selected Ceco paint colors.

*CXP has achieved UL 90 listing, has certification of the American Society for Testing and Materials (ASTM) E1592 test and has been approved by Factory Mutual as a Class 1 panel roof.*



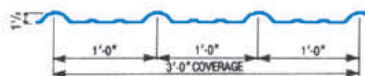
**BattenLok® HS** is a structural roofing panel which can be installed directly over purlins or bar joists eliminating a solid substructure for support. BattenLok HS is a mechanically seamed roof system with panels available in 12 inch and 16 inch widths. Factory applied mastic inside of female leg of panel is standard. Recommended for roof slopes of 1/2:12 or greater, BattenLok HS has weathertight and aesthetically pleasing endlaps which may be accomplished through the use of swaged and prepunched panels. Ceco provides a prepunched back-up plate at the endlap for weathertightness. Swaged endlaps require the roof erection to proceed from right to left as viewed from the eave looking toward the ridge. Roofs with no endlaps and a roof slope less than 6:12 may be erected from either direction. Heavier gauges, striations, embossing and installation over solid deck minimize oil canning. Industry standard is a minimum of 24 gauge material. Striations are standard to reduce oil canning. Oil canning is not a cause for rejection. Panels are available with the option of striations with pencil ribs. Substructure must be on an even plane from eave to ridge to avoid panel distortion (1/4" in 20', 3/8" in 40' tolerance.) All panels require end sealant at eave and valley conditions.



## Ribbed Wall Panels & Ribbed Roof Panel



MWV



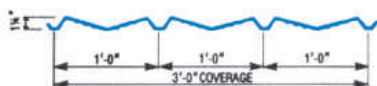
**MWV** has 1 1/8 inch deep major ribs which taper in width from 1 3/4 inches to 3 1/2 inches and are spaced 12 inches on center. Between each major rib are two minor stiffening ribs.

The "leading edge" rib has a bearing leg. Each panel provides 3 feet of lateral coverage. Panel finish may be specified as GALVALUME® or any one of the Signature® panel colors.

*This panel is being replaced by MBCI PBR.  
Reference: www.mbc.com*



MSP



**MSP** has 1 1/4 inch deep major ribs which reverse taper in width from 2 3/4 inches to 3/4 inches and are spaced 12 inches on center. Between each major rib, the panel is formed

into a sculptured "valley" shape with six small "pencil" ribs in each "valley." Each panel provides 3 feet lateral coverage. Panel finish may be specified as GALVALUME® or any one of the Signature panel colors.

*This panel is being replaced by MBCI PBA.  
Reference: www.mbc.com*



MIP



**MIP** has 3/4 inch deep ribs which taper in width from 1 1/8 inches to 2 inches and are spaced 6 inches on center. The "leading edge" rib has a bearing leg. Each panel provides

3 feet of lateral coverage. Panel finish may be specified as GALVALUME® or any one of the Signature panel colors.

*This panel is being replaced by MBCI PBU.  
Reference: www.mbc.com*



CECOROC

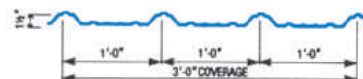


**CECOROC** is an interlocking side rib, concealed fastener panel manufactured from 20 gauge hot-dipped G90 galvanized steel that is coated on the exterior

side with a specially formulated marble crush textured paint finish. The panel depth is 3/4 inch and each panel provides 16 inches of lateral coverage and is available in lengths up to 20 feet. Panel (not gutter or rake trim) trim profiles are available in the same finish as the panel. Refer to color chart for available colors. Special custom colors are available in minimum quantities.



MAP

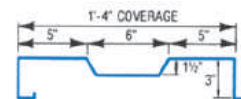


**MAP** has 1 1/2 inch deep major ribs which taper in width from 2 inches to 3 15/16 inches and are spaced 12 inches on center. Between each major rib are two minor stiffening

ribs and two small "pencil" ribs. The "leading edge" rib has a bearing leg. Each panel provides 3 feet of lateral coverage. Panel finish may be specified as GALVALUME® or any one of the Signature panel colors.



CWP16



**CWP16** is roll-formed with the face of the panel having an inset portion in the center third of the 16-inch width. Panel is 3 inches deep at

the high planes and 1 1/2 inches deep at the low plane.

Side laps are of interlocking flange design to form a rigid, permanently tight joint that won't open up or pull apart. Panels are connected to supporting structural members with fasteners that are concealed from exterior view.

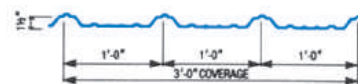
Entire face of panel is embossed to add texture, and finish is an extended life color coating (KYNAR) from selected Signature panel colors.

*This panel is being replaced by MBCI Shadow Rib.  
Reference: www.mbc.com*

## Ribbed Roof Panel



MAP



**MAP** has 1 1/2 inch deep major ribs which taper in width from 2 inches to 3 15/16 inches and are spaced 12 inches on center. Between each major

rib are two minor stiffening ribs and two small "pencil" ribs. The "leading edge" rib has a bearing leg. Each panel provides 3 feet of lateral coverage. Panel finish may be specified as GALVALUME® or any one of Ceco's Signature panel colors. *Note: MAP has achieved UL 90 listing.*

*GALVALUME® is a registered trademark of BIEC International, Inc.  
KYNAR® is a registered trademark of Elf Atochem  
Signature® 200 is a registered trademark of MBCI  
Signature® 300 is a registered trademark of MBCI*

Ceco's Color Selection Chart featuring Signature 200 silicone polyester colors and Signature 300 Kynar colors can be accessed on its website: [www.cecobuildings.com](http://www.cecobuildings.com)



# Ceco Building Systems

an NCI Company



## Ceco meets the following standards

- AISC-MB Certification
- CAN/CSA A660-04
- AWS D1.1 Welding Standard
- AWS D1.3 Welding Standard
- ASTM E1592 Static Pressure Differential Test
- Factory Mutual Class 1
- Underwriters Laboratories UL 580 Class 90
- Member MBMA
- Member SBCCI
- State of Florida Product Approval #S FL1723, FL1724, FL1726
- Miami-Dade County NOA 04-0122.18 expires 7/29/2009;
- NOA 04-0122.19 expires 1/27/2010;
- NOA 04-0122.20 expires 7/15/2009

AISI Specification for the Design of Cold-Formed Steel Structural Members

AISC Specification for Structural Steel Buildings

- |           |           |            |
|-----------|-----------|------------|
| ASTM A36  | ASTM A529 | ASTM A1011 |
| ASTM A572 | ASTM A653 | ASTM A755  |
| ASTM A792 | ASTM A307 | ASTM A325  |
|           | ASTM A475 | ASTM A500  |

## Further Design Assistance

To assist architects, engineers, specifiers and other design professionals, Ceco has the following support available:

see us at **Sweets.com**

■ **Ceco Home Page** – [www.cecobuildings.com](http://www.cecobuildings.com) – To obtain additional information and locate your local Ceco Sales Representative and/or Ceco Builder(s)

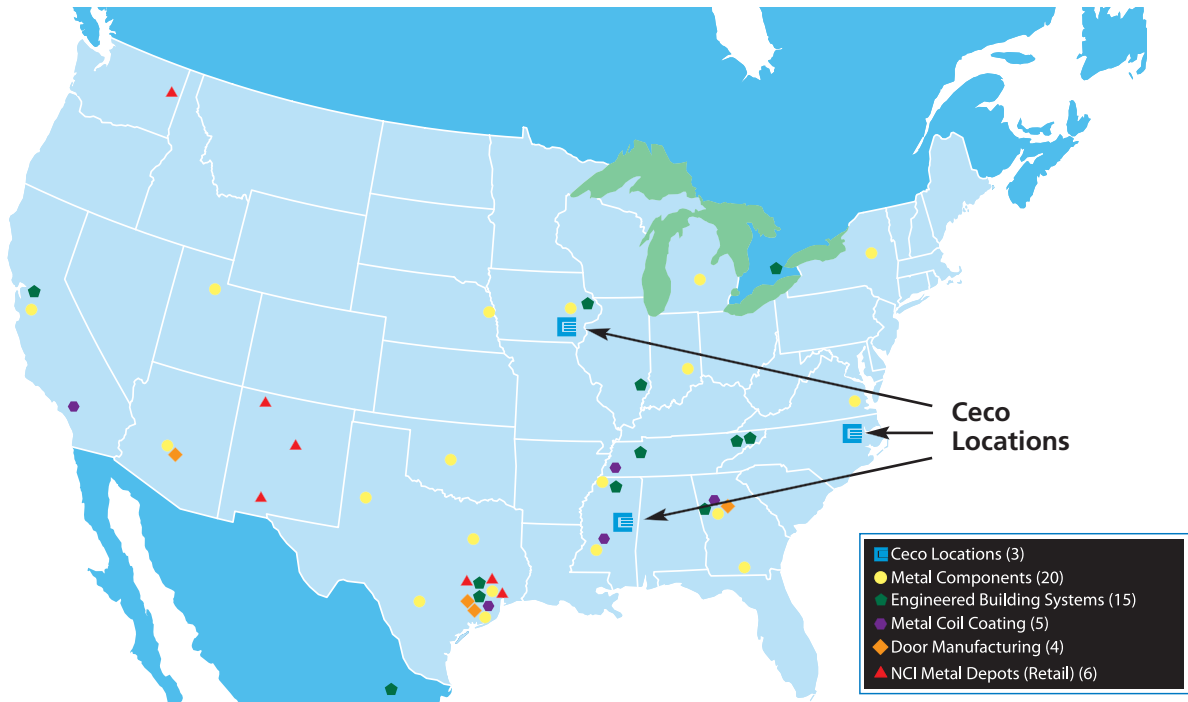
■ **Ceco Corporate Office** – Please contact us at **1-800-474-2326** (phone), **662-327-7309** (fax) or [marketing@cecobuildings.net](mailto:marketing@cecobuildings.net). We would be pleased to assist you with technical questions and/or send a Product Manual/CD-ROM with specifications and details.

■ Contact our closest regional office/plant location and discuss your project with the VP of Sales:

Eastern Region: Tim Schrock: 252-407-1840

Midwest Region: Lynn Chesnut: 319-385-8001, ext. 210

Southern Region: Mike Round: 662-243-2752



Ceco Building Systems is an NCI Company, which has 40 manufacturing facilities in 18 states including Arizona, California, Georgia, Illinois, Indiana, Iowa, Kentucky, Michigan, Mississippi, North Carolina, Nebraska, New York, Oklahoma, Tennessee, Texas, Utah, Virginia, Washington and one in Mexico. NCI has a sales office in Canada.