



# FLANGEforms

FLANGEforms are available in standard 2- and 3-foot modules. These forms are among the most popular because of their flexibility to accommodate various layouts and joist widths where required. They are efficient for projects with heavy superimposed loads and provide a two hour fire rating by using a 4 1/2- inch hard-rock concrete topping. They are efficient for projects of smaller size and for moderate size projects with irregular layouts or unusual building shapes. They are also efficient for projects where the structure is not required to provide a two-hour fire rating by using 3-inch or 3 1/2-inch top slab.

The varying depths provide flexibility to meet a wide range of spans and loads. Further, they will accommodate in-the-floor raceway electrical and communication distribution systems. Ceco FLANGEforms are capable of producing sound structural concrete, but are incapable of producing tight tolerances and smooth finishes. This form is a segmented steelform and the concrete will have irregular joists, a rough finish, and offsets at both the laps and flanges.

If a higher quality finish is required, you may wish to consider Ceco LONGforms (please see page 6.) The additional cost of higher quality forms are often offset by finishing costs. Contact your Ceco representative for assistance.

## Concrete Quantities/30" Widths\*

Depth of Steelform	Width of Joist	Cubic feet of concrete per square foot by slab thickness*	
		3"	4 1/2"
14"	5"	.456	.581
	6"	.483	.608
	7"	.508	.633
16"	6"	.522	.647
	7"	.550	.675
	8"	.557	.702
20"	6"	.605	.730
	7"	.640	.765
	8"	.674	.799
24"	6"	.694	.819
	7"	.736	.861
	8"	.776	.901

\* Apply only for areas over FLANGEforms and joists between them. Bridging joists, special headers, beam tees, etc., not included. 10" and 12" depths are also available. Contact your Ceco Concrete Construction Engineer.

## Concrete Quantities/20" Widths\*

Depth of Steelform	Width of Joist	Cubic feet of concrete per square foot for various slab thickness*	
		3"	4 1/2"
14"	5"	.538	.663
	6"	.572	.697
	7"	.603	.728
16"	6"	.626	.751
	7"	.662	.787
	8"	.694	.819
20"	6"	.741	.867
	7"	.785	.910
	8"	.825	.950

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## Voids Created by Various Size FLANGEforms

Shaded areas below indicate standard filler widths

Depth of Steelform	Cubic feet of void created per linear foot by width of FLANGEform				*Added Cu. Ft. of Concrete per Tapered End Condition	
	30" Width	20" Width	15" Width	10" Width	30" Width	20" Width
10"	2.023	1.329	.982	.634	.521	.418
12"	2.414	1.581	1.165	.748	.625	.500
14"	2.801	1.829	1.343	.857	.730	N.A.
16"	3.183	2.072	1.516	.961	.834	N.A.
20"	3.933	2.544	1.850	1.155	1.043	N.A.
24"	4.667	3.000	Not Available	Not Available	Not Available	Not Available

\*\* Total void width tapers from 30" to 25" or 20" to 16" in

## Dimensions

