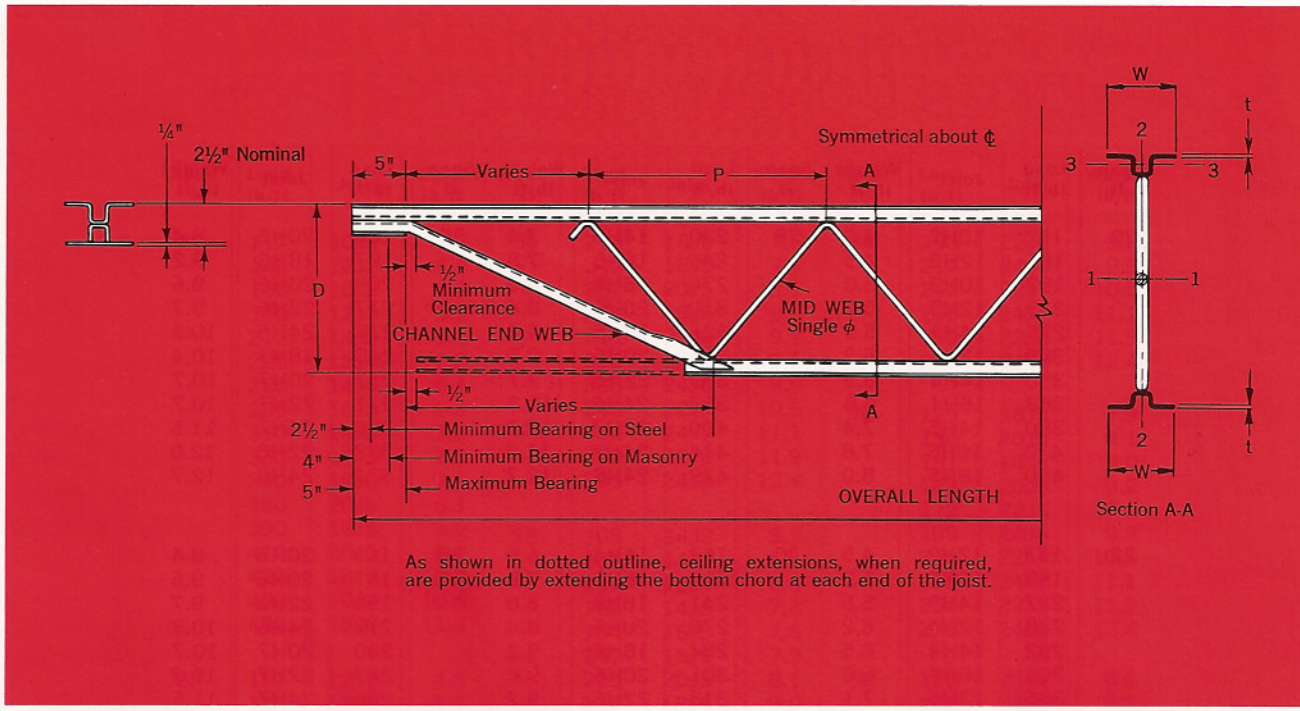
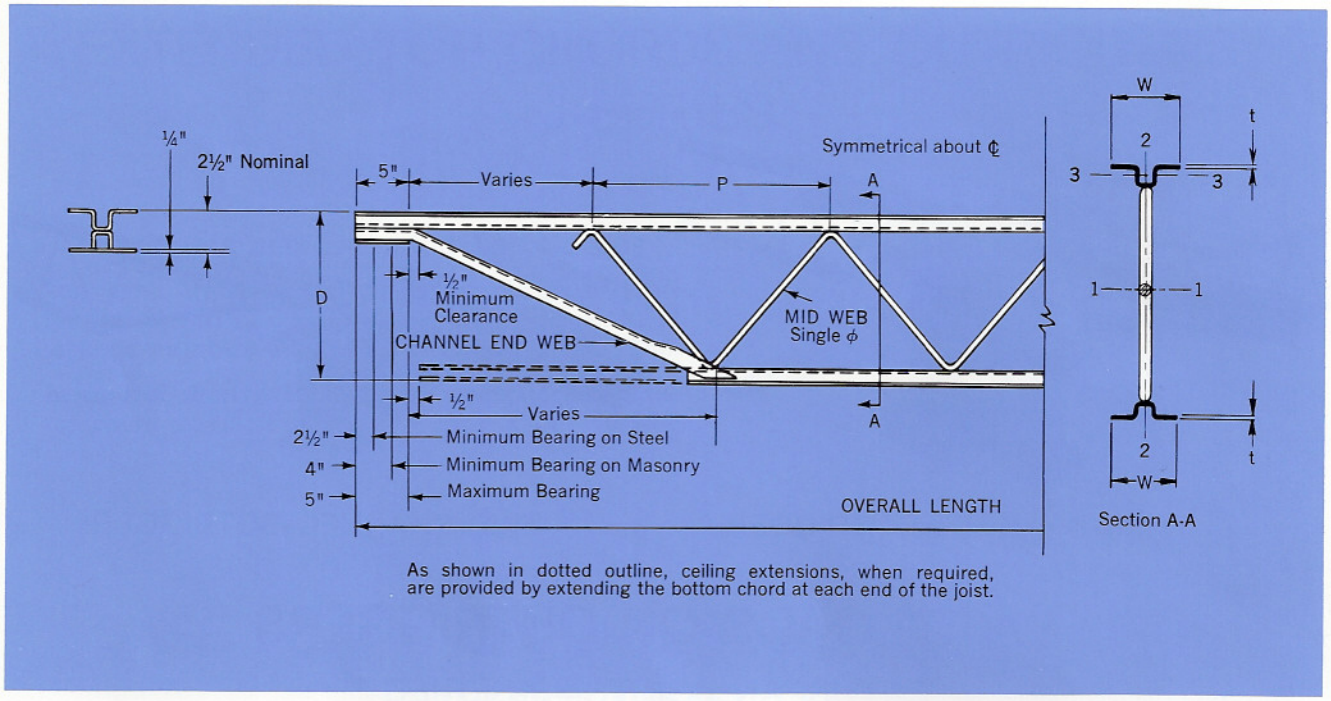


As shown in dotted outline, ceiling extensions, when required, are provided by extending the bottom chord at each end of the joist.

J-SERIES COLD-FORMED

Joist Designation	Actual Depth D	Top Chord						Bottom Chord			P	End Web		Mid Web		Moment of Inertia axis 1-1
		W	t	Area	r axis 2-2	r axis 3-3	s axis 3-3	W	t	Area		Net Area	r min	Area	r axis 2-2	
	in.	in.	in.	in.²	in.	in.	in.³	in.	in.	in.²	in.	in.²	in.	in.²	in.	in.⁴
8J2	8.23	2.81	0.100	0.469	0.758	0.465	0.159	2.32	0.090	0.378	16	0.454	.254	0.196	.125	10.4
10J2	10.05	2.81	0.100	0.469	0.758	0.465	0.159	2.32	0.090	0.378	16	0.454	.254	0.196	.125	16.4
10J3	10.09	2.88	0.124	0.581	0.742	0.441	0.177	2.81	0.100	0.469	16	0.454	.254	0.196	.125	20.7
10J4	10.11	3.86	0.124	0.704	0.958	0.452	0.196	2.88	0.124	0.581	16	0.454	.254	0.196	.125	26.0
12J2	11.75	2.81	0.100	0.469	0.758	0.465	0.159	2.32	0.090	0.378	16	0.454	.254	0.196	.125	23.3
12J3	11.75	2.88	0.124	0.581	0.742	0.441	0.177	2.81	0.100	0.469	16	0.454	.254	0.196	.125	29.1
12J4	11.78	3.86	0.124	0.704	0.958	0.452	0.196	2.88	0.124	0.581	16	0.454	.254	0.196	.125	36.4
12J5	12.03	3.36	0.160	0.830	0.819	0.498	0.271	3.86	0.124	0.704	16	0.454	.254	0.248	.141	45.6
12J6	12.15	4.61	0.160	1.030	1.116	0.495	0.293	3.36	0.160	0.830	16	0.454	.254	0.248	.141	56.3
14J3	13.75	2.88	0.124	0.581	0.742	0.441	0.177	2.81	0.100	0.469	16	0.454	.254	0.248	.141	41.1
14J4	13.75	3.86	0.124	0.704	0.958	0.452	0.196	2.88	0.124	0.581	16	0.454	.254	0.248	.141	51.0
14J5	13.82	3.36	0.160	0.830	0.819	0.498	0.271	3.86	0.124	0.704	16	0.454	.254	0.248	.141	61.7
14J6	13.95	4.61	0.160	1.030	1.116	0.495	0.293	3.36	0.160	0.830	16	0.454	.254	0.248	.141	76.0
14J7	14.20	4.43	0.196	1.231	1.048	0.526	0.367	4.20	0.160	0.965	16	0.454	.254	0.306	.156	93.2
16J4	15.75	3.86	0.124	0.704	0.958	0.452	0.196	2.88	0.124	0.581	24	0.454	.254	0.371	.172	68.3
16J5	15.75	3.64	0.160	0.875	0.882	0.499	0.277	3.86	0.124	0.704	24	0.454	.254	0.371	.172	84.1
16J6	15.87	4.61	0.160	1.030	1.116	0.495	0.293	3.36	0.160	0.830	24	0.454	.254	0.371	.172	100
16J7	16.00	4.43	0.196	1.231	1.048	0.526	0.367	4.20	0.160	0.965	24	0.553	.247	0.371	.172	120
16J8	16.25	5.34	0.196	1.410	1.281	0.516	0.381	3.77	0.196	1.103	24	0.553	.247	0.442	.188	142
18J5	17.75	3.64	0.160	0.875	0.882	0.499	0.277	3.86	0.124	0.704	24	0.454	.254	0.371	.172	108
18J6	17.81	4.61	0.160	1.030	1.116	0.495	0.293	3.36	0.160	0.830	24	0.454	.254	0.371	.172	128
18J7	18.06	4.43	0.196	1.231	1.048	0.526	0.367	4.20	0.160	0.965	24	0.553	.247	0.442	.188	156
18J8	18.19	5.34	0.196	1.410	1.281	0.516	0.381	3.77	0.196	1.103	24	0.553	.247	0.442	.188	180
20J5	19.75	3.36	0.160	0.830	0.819	0.498	0.271	3.86	0.124	0.704	24	0.454	.254	0.371	.172	132
20J6	19.94	4.61	0.160	1.030	1.116	0.495	0.293	3.36	0.160	0.830	24	0.454	.254	0.442	.188	163
20J7	20.06	4.43	0.196	1.231	1.048	0.526	0.367	4.20	0.160	0.965	24	0.454	.254	0.442	.188	195
20J8	20.19	5.34	0.196	1.410	1.281	0.516	0.381	3.77	0.196	1.103	24	0.553	.247	0.442	.188	225
22J6	21.75	4.61	0.160	1.030	1.116	0.495	0.293	3.36	0.160	0.830	24	0.454	.254	0.442	.188	196
22J7	21.87	4.43	0.196	1.231	1.048	0.526	0.367	4.20	0.160	0.965	24	0.454	.254	0.442	.188	234
22J8	22.12	5.34	0.196	1.410	1.281	0.516	0.381	3.77	0.196	1.103	24	0.553	.247	0.518	.203	273
24J6	23.75	4.61	0.160	1.030	1.116	0.495	0.293	3.36	0.160	0.830	24	0.454	.254	0.442	.188	236
24J7	24.00	4.43	0.196	1.231	1.048	0.526	0.367	4.20	0.160	0.965	24	0.553	.247	0.518	.203	284
24J8	24.12	5.34	0.196	1.410	1.281	0.516	0.381	3.77	0.196	1.103	24	0.553	.247	0.518	.203	328



As shown in dotted outline, ceiling extensions, when required, are provided by extending the bottom chord at each end of the joist.

H-SERIES COLD-FORMED

Joist Designation	Actual Depth D	Top Chord						Bottom Chord			P	End Web		Mid Web		Moment of Inertia axis 1-1
		W	t	Area	r axis 2-2	r axis 3-3	s axis 3-3	W	t	Area		Net Area	r min	Area	r axis 2-2	
	in.	in.	in.	in.²	in.	in.	in.³	in.	in.	in.²	in.	in.²	in.	in.²	in.	in.⁴
8H2	8.23	2.81	.100	0.469	0.758	.465	.159	2.32	.090	0.378	16	.454	.254	.196	.125	10.4
10H2	10.05	2.81	.100	0.469	0.758	.465	.159	2.32	.090	0.378	16	.454	.254	.196	.125	16.4
10H3	10.09	2.88	.124	0.581	0.742	.441	.177	2.81	.100	0.469	16	.454	.254	.196	.125	20.7
10H4	10.24	3.86	.124	0.704	0.958	.452	.196	2.88	.124	0.581	16	.454	.254	.248	.141	26.0
12H2	11.75	2.81	.100	0.469	0.758	.465	.159	2.32	.090	0.378	16	.454	.254	.196	.125	23.3
12H3	11.88	2.88	.124	0.581	0.742	.441	.177	2.81	.100	0.469	16	.454	.254	.248	.141	29.1
12H4	11.90	3.86	.124	0.704	0.958	.452	.196	2.88	.124	0.581	16	.454	.254	.248	.141	36.4
12H5	12.15	3.36	.160	0.830	0.819	.498	.271	3.86	.124	0.704	16	.553	.247	.306	.156	45.6
12H6	12.25	4.61	.160	1.030	1.116	.495	.293	3.36	.160	0.830	16	.553	.247	.306	.156	56.3
14H3	13.75	2.88	.124	0.581	0.742	.441	.177	2.81	.100	0.469	16	.454	.254	.248	.141	41.1
14H4	13.75	3.86	.124	0.704	0.958	.452	.196	2.88	.124	0.581	16	.454	.254	.248	.141	51.0
14H5	13.95	3.36	.160	0.830	0.819	.498	.271	3.86	.124	0.704	16	.553	.247	.306	.156	61.7
14H6	14.07	4.61	.160	1.030	1.116	.495	.293	3.36	.160	0.830	16	.553	.247	.306	.156	76.0
14H7	14.25	4.43	.196	1.231	1.048	.526	.367	4.20	.160	0.965	16	.617	.244	.371	.172	93.2
16H4	15.75	3.86	.124	0.704	0.958	.452	.196	2.88	.124	0.581	24	.454	.254	.371	.172	68.3
16H5	15.87	3.64	.160	0.875	0.882	.499	.277	3.86	.124	0.704	24	.553	.247	.442	.188	84.1
16H6	16.00	4.61	.160	1.030	1.116	.495	.293	3.36	.160	0.830	24	.553	.247	.442	.188	100
16H7	16.12	4.43	.196	1.231	1.048	.526	.367	4.20	.160	0.965	24	.617	.244	.442	.188	120
16H8	16.25	5.34	.196	1.410	1.281	.516	.381	3.77	.196	1.103	24	.617	.244	.518	.203	142
18H5	17.81	3.64	.160	0.875	0.882	.499	.277	3.86	.124	0.704	24	.553	.247	.442	.188	108
18H6	17.94	4.61	.160	1.030	1.116	.495	.293	3.36	.160	0.830	24	.553	.247	.442	.188	128
18H7	18.06	4.43	.196	1.231	1.048	.526	.367	4.20	.160	0.965	24	.617	.244	.442	.188	156
18H8	18.25	5.34	.196	1.410	1.281	.516	.381	3.77	.196	1.103	24	.617	.244	.518	.203	180
20H5	19.81	3.36	.160	0.830	0.819	.498	.271	3.86	.124	0.704	24	.553	.247	.442	.188	132
20H6	19.94	4.61	.160	1.030	1.116	.495	.293	3.36	.160	0.830	24	.553	.247	.442	.188	163
20H7	20.19	4.43	.196	1.231	1.048	.526	.367	4.20	.160	0.965	24	.617	.244	.518	.203	195
20H8	20.25	5.34	.196	1.410	1.281	.516	.381	3.77	.196	1.103	24	.617	.244	.518	.203	225
22H6	21.87	4.61	.160	1.030	1.116	.495	.293	3.36	.160	0.830	24	.553	.247	.518	.203	196
22H7	22.00	4.43	.196	1.231	1.048	.526	.367	4.20	.160	0.965	24	.617	.244	.518	.203	234
22H8	22.12	5.34	.196	1.410	1.281	.516	.381	3.77	.196	1.103	24	.617	.244	.518	.203	273
24H6	23.87	4.61	.160	1.030	1.116	.495	.293	3.36	.160	0.830	24	.553	.247	.518	.203	236
24H7	24.00	4.43	.196	1.231	1.048	.526	.367	4.20	.160	0.965	24	.617	.244	.518	.203	284
24H8	24.25	5.34	.196	1.410	1.281	.516	.381	3.77	.196	1.103	24	.617	.244	.601	.219	328