

RAMP C

SPAN	GIRDER	SOUTH END DATA			NORTH END DATA			GIRDER DIMENSIONS						WEB PLATE	FLANGE PLATES						CAMBER	SHEAR CONNECTOR SPACINGS				INTERIOR WEB STIFFENER SPACINGS			GIRDER	
		S	ELEVATION	ANGLE	N	ELEVATION	ANGLE	LENGTH % BRGS.	A	B	C	Δ (%) CONCRETE	Δ (%) CONCRETE		1	2	3	4	5	6		a	b	c	d	e	f	g		
C-1	GC-1	3'-7 7/16"	68.77	98°-51'-10"	6'-3"	63.94	104°-24'-48"	90'-0 5/16"	8'-8"	8'-7"	50'-6 15/16"	.115	.133	60"x3/8"	14"x3/4"	14"x3/4"	14"x1"	18"x1 1/4"	14"x1 1/4"	18"x1 3/8"	3 1/8"	1'-2 3/8"	10e19"	6e19"	23e24"	2'-4 1/8"	6e16"	8e60"	GC-1	
	GC-2	7'-3 1/2"	66.49	98-50-51	7-3 1/2	63.13	104-28-50	90-1 1/4	10-11	7-9	52-8 1/4	.087	.077	"	14x3/4	14x3/4	14x3/4	18x1	14x3/4	18x1 1/8	2 5/8	0-10 5/8	10e19	6e19	23e24	2'-4 5/8	6e16	10e60	GC-2	
	GC-3	7-3 1/2	66.19	98-04-13	7-3 1/2	62.71	104-34-13	89-5	"	"	52-1	"	"	"	"	"	"	"	"	"	"	"	0-8 1/2	10e15	"	22e24	2-8 1/2	"	"	GC-3
	GC-4	6-3	65.78	98-09-49	6-3	62.28	104-39-41	88-8 13/16	"	"	51-4 13/16	"	"	"	"	"	"	"	"	"	"	"	1-2 7/16	10e14	"	"	2-8 7/16	"	"	GC-4
	GC-5	6-3	65.48	98-14-25	6-3	61.89	104-44-25	88-1 3/4	"	6-7	53-1 3/4	.108	.122	"	"	"	"	"	14x7/8	"	3 1/8	0-10 7/8	"	"	"	2-4 7/8	"	"	GC-5	
C-2	GC-1		63.93	100-28-57	7-3	59.88	100-25-57	98-7 7/8	9'-3	9-7	61-11 7/8	.118	.134	60x3/8	14x3/4	14x3/4	14x1 1/8	18x1 3/8	14x1 3/8	18x1 5/8	3 3/8	0-4 15/16	10e13	11e17	23e24	2-3 15/16	6e15	7e60	GC-1	
	GC-2	4-5 1/2	63.19	98-52-13	7-8 1/4	60.35	98-52-14	99-2 3/8	8-3	9-7	61-6 3/8	.090	.104	"	"	"	"	"	"	"	"	1-0 3/16	10e12	"	"	2-1 2/16	"	"	GC-2	
	GC-3	7-8 1/4	62.70	"	7-8 1/4	58.01	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-3
	GC-4	7-8 1/4	62.23	"	7-8 1/4	58.63	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-4
	GC-5	7-3	61.72	98-52-13	7-3	58.27	98-52-14	99-2 3/8	"	"	"	.118	.134	"	"	"	"	"	14x1 1/8	"	14x1 3/8	3 3/8	"	"	"	"	"	"	"	GC-5
C-3	GC-1		59.71	100-10-09	7-0	56.86	100-10-09	93-9 7/8	10-3	7-0	58-3 7/8	.124	.142	60x3/8	14x3/4	14x3/4	14x7/8	18x1	14x1 1/8	18x1 1/4	3 3/8	0-10 15/16	10e18	-	31e24	2-2 15/16	6e16	12e60	GC-1	
	GC-2	3-10 11/16	59.55	98-19-12	7-3 3/4	56.67	98-19-12	93-3 15/16	13-8	6-8	52-7 15/16	.071	.081	"	"	"	"	"	"	"	"	0-8	"	"	"	3-5	3e53	"	GC-2	
	GC-3	"	59.34	98-15-53	"	56.48	98-15-53	92-10 13/16	"	"	52-2 13/16	"	"	"	"	"	"	"	"	"	"	"	1-2 7/16	9e19	"	"	2-2 7/16	"	"	GC-3
	GC-4	3-10 11/16	59.16	94-11-35	"	56.22	94-11-35	92-7 1/8	"	"	51-11 1/8	"	"	"	"	"	"	"	"	"	"	"	1-0 9/16	"	"	"	2-0 9/16	"	"	GC-4
	GC-5	7-3 3/4	58.95	92-08-38	7-3 3/4	56.01	92-08-38	92-4 15/16	"	"	51-8 15/16	"	"	"	"	"	"	"	"	"	"	"	0-11 7/16	"	"	"	2-11 7/16	"	"	GC-5
	GC-6	7-0	58.63	"	7-0	55.78	"	"	10-1	8-3	55-8 15/16	.077	.089	"	"	"	"	"	"	"	"	"	1-0 7/16	10e14	7e18	23e24	2-8 7/16	5e18	9e60	GC-6
	GC-7	7-0	58.26	92-06-38	7-0	55.56	92-06-38	92-4 15/16	10-1	7-8	56-10 15/16	.124	.142	"	"	"	"	"	14x7/8	"	14x1 1/8	3 3/8	"	"	"	"	"	"	"	GC-7
C-4	GC-1		56.54	100-09-58	7-0 1/2	54.44	100-09-58	93-9 13/16	10-3	7-0	58-3 13/16	.124	.142	60x3/8	14x3/4	14x3/4	14x7/8	18x1	14x1 1/8	18x1 1/4	3 3/8	0-10 15/16	10e18	-	31e24	2-2 15/16	6e16	12e60	GC-1	
	GC-2	4-2	56.47	98-27-24	7-8 1/2	54.34	98-27-24	93-1 5/16	13-8	6-8	52-8 5/16	.071	.081	"	"	"	"	"	"	"	"	"	0-8 3/16	"	"	"	2-5 3/16	3e53	"	GC-2
	GC-3	"	56.36	98-19-50	"	54.20	98-19-50	92-10 15/16	"	"	52-2 15/16	"	"	"	"	"	"	"	"	"	"	"	1-2 1/2	9e19	"	"	2-2 1/2	"	"	GC-3
	GC-4	"	56.27	94-11-12	"	54.05	94-11-12	92-7 1/8	"	"	51-11 1/8	"	"	"	"	"	"	"	"	"	"	"	1-0 9/16	"	"	"	2-0 9/16	"	"	GC-4
	GC-5	4-2	56.18	92-01-52	"	53.90	92-01-52	92-4 13/16	"	"	51-8 13/16	"	"	"	"	"	"	"	"	"	"	"	0-11 7/16	"	"	"	2-11 7/16	"	"	GC-5
	GC-6	7-8 1/2	56.07	89-52-11	"	53.76	89-52-11	92-4 1/8	10-1	8-3	55-8 1/8	.077	.089	"	"	"	"	"	"	"	"	"	1-0 1/16	10e14	7e18	23e24	2-8 1/16	5e18	9e60	GC-6
	GC-7	7-8 1/2	55.90	"	"	53.62	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-7
	GC-8	7-0	55.74	"	7-0 1/2	53.46	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-8
	GC-9	7-0	55.55	89-52-11	7-0	53.30	89-52-11	92-4 1/8	"	7-4	57-6 1/8	.118	.136	"	"	"	"	"	14x7/8	"	14x1 1/8	3 1/4	"	"	"	"	"	"	"	GC-9
C-5	GC-1		54.70	100-14-40	7-1 2/8	51.90	100-14-40	100-1 1/8	8-00	10-1	62-3 1/8	.115	.129	60x3/8	14x3/4	14x3/4	14x1 1/4	18x1 3/8	14x1 1/2	18x1 5/8	3 1/4	0-10 9/16	10e14	6e19	28e24	2-4 9/16	5e16	11e60	GC-1	
	GC-2	4-2 1/2	54.64	98-37-27	8-0	51.70	98-37-27	99-7 1/2	10-0	8-11	61-9 1/2	.083	.095	"	"	"	"	"	"	"	"	1-0 3/4	9e15	"	"	2-10 13/16	"	"	GC-2	
	GC-3	"	54.57	96-29-22	"	51.50	96-29-22	98-1 5/8	"	"	61-3 5/8	"	"	"	"	"	"	"	"	"	"	"	0-9 13/16	"	"	"	2-10 13/16	"	"	GC-3
	GC-4	"	54.50	94-20-12	"	51.47	94-20-12	98-9 1/4	"	"	60-11 3/8	"	"	"	"	"	"	"	"	"	"	"	0-7 11/16	"	"	"	2-8 11/16	"	"	GC-4
	GC-5	4-2 1/2	54.43	92-10-17	8-0	51.53	92-10-17	98-6 7/8	"	"	60-8 7/8	"	"	"	"	"	"	"	"	"	"	"	0-6 7/16	"	"	"	2-7 7/16	"	"	GC-5
	GC-6	3-0	54.26	90-00-00	3-0	51.65	90-00-00	98-6	27-6	-	43-6	.089	.103	"	"	"	"	"	"	"	"	"	1-3	-	-	4e24	1-8	-	13e60	GC-6
	GC-7	7-3 3/4	54.16	"	7-3 3/4	51.70	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-7
	GC-8	"	53.92	"	"	51.70	"	"	"	9-8	9-8	61-2	.090	.103	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-8
	GC-9	"	53.77	"	"	51.55	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-9
	GC-10	"	53.63	"	"	51.41	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-10
	GC-11	7-3 3/4	53.48	"	7-3 3/4	51.26	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-11
	GC-12	7-0	53.30	90-00-00	7-0	51.08	90-00-00	98-6	"	"	"	.114	.130	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-12
C-6	GC-1		51.73	88-03-42	7-0	49.89	88-03-42	87-2 5/16	10-5	6-0	54-4 5/16	.101	.116	60x3/8	14x3/4	14x3/4	14x3/4	18x1	14x1	18x1 1/4	3	0-6 1/8	11e13	10e17	17e24	2-7 1/8	6e17	7e60	GC-1	
	GC-2	8-8	51.59	88-23-04	7-6	49.56	88-23-04	87-2 1/8	"	"	54-4 1/8	.065	.074	"	"	"	"	"	"	"	"	"	0-6 1/16	"	"	"	2-7 1/16	"	"	GC-2
	GC-3	8-6	51.43	89-01-30	7-6	49.44	89-01-30	87-1 7/8	"	"	54-3 7/8	"	"	"	"	"	"	"	"	"	"	"	0-5 15/16	"	"	"	2-6 15/16	"	"	GC-3
	GC-4	7-6	51.26	89-40-37	7-0	49.28	89-40-37	87-1 3/4	"	"	54-3 3/4	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-4
	GC-5	7-6	51.09	90-00-00	7-0	49.11	90-00-00	87-1 11/16	"	"	54-1 11/16	.101	.116	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GC-5