

RAMP D

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		
D-6	GD-1	6'-5 5/8"	51.68	98°-22'-54"	6'-5 5/8"	48.62	98°-22'-54"	82'-5 5/8"	11'-3"	5'-0"	48'-11 5/8"	.093'	.106'	60x3/8"	14x3/4"	14x3/4"	14x3/4"	18x7/8"	14x7/8"	18x1"	2 7/8"	1-0 13/16"	10e14"	7e16"	18e24"	2-8 13/16"	4e48"	8e60"	GD-1		
	GD-2	6'-5 5/8"	51.51	"	6'-5 5/8"	48.36	"	"	5'-10"	48'-3 5/8"	.098	.085	"	"	"	"	"	"	14x3/4"	"	2 3/8"	"	"	"	"	"	"	"	GD-2		
	GD-3	6'-6 13/16"	51.32	98-22-54	6'-5 5/8"	48.09	98-22-54	82-5 5/8	"	"	48-3 5/8	"	"	"	"	"	"	"	"	"	"	2 7/8"	1-0 15/16"	"	"	"	"	"	"	GD-3	
	GD-4	"	51.12	98-28-54	6'-5 5/8"	47.69	98-28-54	82-5 13/16	11-3	5-0	48-11 13/16	.093	.108	"	"	"	"	"	"	14x7/8"	"	2 7/8"	"	"	"	"	"	"	GD-4		
D-7	GD-1	"	48.55	95-40-52	6'-5 5/8"	45.49	95-40-52	82-5 13/16	11-3	5-0	48-11 13/16	.093	.106	60x3/8"	14x3/4"	14x3/4"	14x3/4"	18x7/8"	14x7/8"	18x1"	2 7/8"	1-0 15/16"	10e14"	7e16"	18e24"	2-8 13/16"	4e48"	8e60"	GD-1		
	GD-2	6'-5 5/8"	48.33	"	6'-5 5/8"	45.24	"	"	5'-10"	48-3 13/16	.098	.085	"	"	"	"	"	"	"	14x3/4"	"	2 3/8"	"	"	"	"	"	"	GD-2		
	GD-3	6'-5 5/8"	48.09	"	6'-5 5/8"	45.00	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GD-3		
	GD-4	6'-5 5/8"	"	"	6'-5 5/8"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GD-4		
D-8	GD-1	6'-5 5/8"	45.49	92-55-29	6'-5 5/8"	42.37	91-47-17	82-5 11/16	11-3	5-0	48-11 11/16	.093	.106	60x3/8"	14x3/4"	14x3/4"	14x3/4"	18x7/8"	14x7/8"	18x1"	2 7/8"	1-0 7/8"	10e14"	7e16"	18e24"	2-8 7/8"	4e48"	8e60"	GD-1		
	GD-2	"	45.20	92-55-16	"	42.11	91-47-04	82-7 1/4"	"	5-10"	48-5 1/4"	.098	.085	"	"	"	"	"	"	14x3/4"	"	2 3/8"	1-1 5/8"	"	"	"	"	"	GD-2		
	GD-3	"	44.94	92-55-03	"	41.65	91-46-51	82-8 3/4"	"	"	48-5 3/4"	"	"	"	"	"	"	"	"	"	"	"	0-11 3/8"	11e13	"	"	"	"	GD-3		
	GD-4	6'-5 5/8"	44.67	92-54-50	6'-5 5/8"	41.58	91-46-38	82-10 5/16	11-3	5-0	50-4 9/16	.093	.106	"	"	"	"	"	"	14x7/8"	"	2 7/8"	1-0 3/16"	"	"	"	"	"	GD-4		
D-9	GD-1	"	43.36	88-37-14	7-11	39.06	88-37-14	123-6 11/16	8-2	15-8	75-8 11/16	.092	.106	72x7/16	16x3/4"	16x3/4"	16x1 1/4"	20x1 3/4"	16x1 5/8"	20x2	3 1/2"	0-11 3/8"	10e13	10e18	35e24"	2-7 3/8"	7e50	10e72	GD-1		
	GD-2	7-11	42.96	"	"	38.37	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GD-2		
	GD-3	"	42.75	"	"	37.80	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GD-3		
	GD-4	"	42.45	"	"	37.66	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GD-4		
	GD-5	"	42.20	"	"	37.49	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GD-5		
	GD-6	"	42.12	"	"	37.31	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GD-6	
	GD-7	7-11	41.85	"	"	37.17	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	GD-7	
	GD-8	7-2	41.58	88-37-14	7-2	37.08	88-37-14	123-6 11/16	8-2	14-8	76-2 11/16	.135	.155	"	"	"	"	"	"	"	"	3 7/8"	"	"	"	"	"	"	"	GD-8	
D-10	GD-1	"	38.14	84-28-18	4-7	32.78	86-37-30	116-8 11/16	5-10	15-10	71-2 11/16	.168	.183	56x3/8"	16x3/4"	16x3/4"	16x1 7/8"	28x1 7/8"	16x2 1/4"	20x2 1/4"	4 1/2"	0-11 5/16"	8e11	16e16	28e24"	2-7 3/8"	11e48"	8e54"	GD-1		
	GD-2	8-0 1/16"	37.96	86-10-12	4-7	32.73	86-18-24	114-1 5/16	6-10	14-10	70-9 5/16	.113	.130	"	"	"	16x1 3/8"	28x1 7/8"	16x1 3/4"	20x2 1/8"	3 7/8"	1-0 11/16"	7e12	16e16	"	2-4 11/16"	"	"	GD-2		
	GD-3	"	37.82	87-51-48	8-0	32.63	90-00-00	113-9 1/8"	"	"	70-5 1/8"	"	"	"	"	"	"	"	"	"	"	"	1-0 9/16"	7e12	16e17	"	2-2 9/16"	"	"	GD-3	
	GD-4	"	37.65	87-51-48	8-0	32.46	"	113-5 9/16"	"	"	70-1 9/16"	"	"	"	"	"	"	"	"	"	"	"	"	1-0 13/16"	8e12	16e16	"	2-0 13/16"	"	"	GD-4
	GD-5	8-0 1/16"	37.47	87-51-48	8-0	32.31	"	113-2	"	"	69-10	"	"	"	"	"	"	"	"	"	"	"	"	0-11	"	"	"	"	"	GD-5	
	GD-6	7-2 1/16"	37.30	87-51-48	7-2	32.14	90-00-00	112-10 13/16	6-9	14-9	68-10 13/16	.166	.191	"	"	"	16x1 5/8"	"	16x2	20x2 1/8"	4 3/8"	0-9 7/16"	"	"	"	"	1-9 7/16"	"	"	GD-6	