

SPAN	BEAM	EAST END DATA				WEST END DATA				BEAM DATA										BEAM	REMARKS					
		E	ELEVATION		ANGLE α	W	ELEVATION		ANGLE β	BEAM SIZE	LENGTH C/C BEARING	FLANGE PLATES			SHEAR CONNECTOR SPACING				EAST END			WEST END				
			1	2			3	4				SIZE	WELD "t _w "	a	b	c	d	e	f			BRG. TYPE	SHIMPLATE	BRG. TYPE	SHIMPLATE	
RAMP F SPAN NO. 6	A	7'-3	623.217	619.581	67°-56'-55"	7'-3	622.701	619.017	67°-56'-55"	30 W 116	58'-6 13/16"	9 1/2x7/8"	5/16"	12'-9"	33'-0 13/16"	3 3/8"	1 0 6"	12 0 1'-0"	22 0 1'-6"	E 3	-	F 5	11/16"	A		
	B	7'-3	623.595	619.960	do	7'-3	623.175	619.550	do	do	do	do	do	8'-9"	41'-0 13/16"	3 3/8"	20 0 6"	12 0 9"	20 0 1'-0"	E 3	-	F 5	-	B		
	C	7'-3	623.865	620.329	do	7'-3	623.638	620.013	do	do	do	do	do	8'-9"	41'-0 13/16"	3 3/8"	20 0 6"	12 0 9"	20 0 1'-0"	E 3	-	F 5	-	C		
	D	7'-3	624.326	620.677	67°-56'-55"	7'-3	624.091	620.453	67°-56'-55"	30 W 124	58'-6 13/16"	9 1/2x1"	5/16"	10'-3"	38'-0 13/16"	3 3/8"	23 0 6"	10 0 9"	20 0 1'-0"	E 3	-	F 5	-	D		
	E	1'-7 9/16	624.287	620.677	76°-59'-46"	11'-1	624.210	620.600	76°-59'-46"	30 W 108	55'-8 9/16"	-	-	-	-	4 1/4"	-	14 0 1'-0"	18 0 1'-6"	E 3	-	F 5	-	E	3 STUDS EACH ROW ONLY	
RAMP F SPAN NO. 7	A	6'-6	622.642	619.017	61°-54'-10"	6'-6	622.118	618.483	61°-54'-10"	30 W 116	62'-4 11/16"	9 1/2x7/8"	5/16"	13'-8"	35'-0 11/16"	5 5/8"	1 0 9"	12 0 1'-0"	12 0 1'-6"	F 5	-	E 3	-	A		
	B	do	623.070	619.445	do	do	622.590	618.555	do	do	do	do	do	10'-8"	41'-0 11/16"	2 5/8"	20 0 6"	12 0 9"	12 0 1'-0"	F 5	-	E 3	-	B		
	C	do	623.490	619.865	do	do	623.063	619.428	do	do	do	do	do	do	do	do	do	do	do	F 5	-	E 3	-	C		
	D	do	623.901	620.276	do	do	623.538	619.902	do	do	do	do	do	do	10'-8"	41'-0 11/16"	2 5/8"	20 0 6"	12 0 9"	12 0 1'-0"	F 5	-	E 3	-	D	
	E	6'-6	624.244	620.600	61°-54'-10"	6'-6	623.993	620.258	61°-54'-10"	30 W 116	62'-4 11/16"	9 1/2x7/8"	5/16"	13'-8"	35'-0 11/16"	5 5/8"	1 0 9"	12 0 1'-0"	12 0 1'-6"	F 5	1/4"	E 3	-	E		

SPAN	BEAM	EAST END DATA			CENTER DATA			WEST END DATA			BEAM DATA										BEAM	REMARKS													
		E	ELEVATIONS		ANGLE α	C	ELEVATIONS		ANGLE β	W	ELEVATIONS		ANGLE γ	BEAM SIZE	LENGTH C/C BEARING		COVER PLATES						SPLICE		EAST END		CENTER		WEST END						
			1	2			3	4			5	6			L1	L2	SIZE	a	b	c			d	e	f	g	h	i	ELEV. 7	BRG. TYPE	SHIMPLATE	BRG. TYPE	SHIMPLATE	BRG. TYPE	SHIMPLATE
EAST BOUND SPAN NO. 1 & NO. 2	A	5'-6 1/8	625.812	622.039	75°-51'-13"	6'-6 3/4	625.703	621.840	75°-51'-13"	7'-7 1/8	625.498	621.625	75°-51'-13"	33 W 118	51'-2 15/16"	50'-2 7/8"	-	-	-	-	-	-	50'-2 7/8"	62'-9 9/16"	38'-8 1/4"	625.656	E 2	-	F 4	-	E 2	-	A		
	B	7'-2 1/4	626.024	622.351	77°-00'-00"	7'-2 1/4	625.837	621.932	77°-00'-00"	7'-2 1/4	625.653	621.779	77°-00'-00"	do	51'-0"	50'-0"	9" x 3/8"	46'-9"	-	-	-	-	-	45'-9"	62'-6"	38'-6"	625.794	E 2	-	F 1	-	E 2	-	B	
	C	do	626.170	622.297	do	do	625.983	622.078	do	do	625.799	621.925	do	do	do	do	do	do	do	do	do	do	do	do	do	625.840	E 2	-	F 1	-	E 2	-	C		
	D	do	626.316	622.443	do	do	626.129	622.224	do	do	625.945	622.071	do	do	do	do	do	do	do	do	do	do	do	do	do	do	626.086	E 2	-	F 1	-	E 2	-	D	
	E	7'-2 1/4	626.392	622.519	do	7'-2 1/4	626.205	622.300	do	7'-2 1/4	626.021	622.147	do	do	do	do	do	do	do	do	do	do	do	do	do	do	626.162	E 2	-	F 1	-	E 2	-	E	
	F	7'-2 3/16	626.428	622.519	do	7'-2 3/16	626.241	622.300	do	7'-2 3/16	626.057	622.147	do	do	do	do	do	do	do	do	do	do	do	do	do	do	626.198	E 2	7/16"	F 1	11/16"	E 2	7/16"	F	
	G	do	626.364	622.456	do	do	626.177	622.237	do	do	625.993	622.084	do	do	do	do	do	do	do	do	do	do	do	do	do	do	626.134	E 2	3/8"	F 1	7/16"	E 2	7/16"	G	
	H	7'-2 3/16	626.280	622.393	77°-00'-00"	7'-2 3/16	626.092	622.174	77°-00'-00"	7'-2 3/16	625.908	622.021	77°-00'-00"	33 W 118	51'-0"	50'-0"	-	51'-0"	-	-	-	-	-	50'-0"	62'-6"	38'-6"	626.050	E 2	1/8"	F 4	3/16"	E 2	3/16"	H	
WEST BOUND SPAN NO. 1 & NO. 2	I	6'-8 1/16	626.211	622.437	77°-00'-00"	6'-8 1/16	626.123	622.260	77°-00'-00"	6'-8 1/16	625.939	622.065	77°-00'-00"	33 W 118	51'-0"	50'-0"	-	51'-0"	-	-	-	-	50'-0"	62'-6"	38'-6"	626.081	E 2	-	F 4	-	E 2	-	I		
	J	do	626.401	622.528	do	do	626.214	622.350	do	do	626.030	622.156	do	do	do	do	do	do	do	do	do	do	do	do	do	626.171	E 2	-	F 4	-	E 2	-	J		
	K	do	626.472	622.599	do	do	626.284	622.421	do	do	626.100	622.226	do	do	do	do	do	do	do	do	do	do	do	do	do	do	626.242	E 2	-	F 4	-	E 2	-	K	
	L	do	626.472	622.599	do	do	626.284	622.421	do	do	626.101	622.226	do	do	do	do	do	do	do	do	do	do	do	do	do	do	626.242	E 2	-	F 4	-	E 2	-	L	
	M	6'-8 1/16	626.413	622.528	77°-00'-00"	6'-8 1/16	626.225	622.338	77°-00'-00"	6'-8 1/16	626.041	622.155	77°-00'-00"	do	51'-0"	50'-0"	-	51'-0"	-	-	-	-	50'-0"	62'-6"	38'-6"	626.183	E 2	1/8"	F 4	3/16"	E 2	1/8"	M		
EAST BOUND SPAN NO. 6 & NO. 7	F	6'-6 13/16	624.505	620.490	77°-00'-00"	6'-6 13/16	624.288	620.600	77°-00'-00"	6'-6 13/16	624.058	620.430	49°-53'-25"	30 W 172	58'-4 3/4	65'-7 7/16	-	58'-4 3/4"	-	-	-	-	65'-7 7/16	70'-5 5/8	51'-7 9/16	624.248	E 4	5/8"	F 2	-	E 4	1/8"	F		
	G	do	624.595	620.681	do	do	624.387	620.741	do	do	624.180	620.540	do	30 W 172	do	61'-8 7/16	-	58'-4 3/4"	-	-	-	61'-8 7/16	do	47'-8 9/16	624.335	E 4	1/4"	F 2	-	E 4	-	G			
	H	6'-6 7/8	624.664	620.681	do	6'-6 7/8	624.467	620.807	do	do	624.244	do	do	30 W 132	do	57'-9 1/2	9"x3/8"	15'-10 3/4	13'-8"	21'-0"	6'-0"	21'-9 1/2"	13'-6"	16'-6"	do	43'-9 5/8	624.405	E 3	1/2"	F 3	-	E 3	1/2"	H	
	I	do	624.670	620.681	do	do	624.462	620.807	do	do	624.264	do	do	do	do	53'-10 1/2	9"x3/8"	52'-4 3/4"	-	-	4'-0"	-	49'-10 1/2	do	39'-10 5/8	624.410	E 3	1/2"	F 3	-	E 3	3/4"	I		
	J	6'-6 13/16	624.611	620.698	do	6'-6 13/16	624.404	620.744	do	do	624.220	620.540	do	do	do	49'-11 9/16	-	58'-4 3/4"	-	-	-	-	49'-11 9/16	do	35'-11 1/8	624.352	E 3	5/8"	F 5	1/8"	E 3	1/4"	J		
	K	6'-6 13/16	624.533	620.435	77°-00'-00"	6'-6 13/16	624.325	620.675	77°-00'-00"	6'-6 13/16	624.156	620.480	49°-53'-25"	30 W 132	58'-4 3/4	48'-0 5/8	-	58'-4 3/4"	-	-	-	-	48'-0 5/8	70'-4 5/8	32'-0 3/4	624.273	E 3	7/16"	F 5	-	E 3	3/16"	K		
WEST BOUND SPAN NO. 6 & NO. 7	L	6'-6 13/16	624.583	620.848	77°-00'-00"	6'-6 13/16	624.356	620.709	77°-00'-00"	6'-6 13/16	624.118	620.503	52°-30'-29"	30 W 172	58'-4 3/4	64'-5 9/16	-	58'-4 3/4"	-	-	-	64'-5 9/16	70'-4 5/8	50'-5 11/16	624.304	E 4	-	F 2	-	E 4	-	L			
	M	do	624.653	621.009	do	do	624.445	620.799	do	do	624.221	620.579	do	30 W 172	do	61'-0 3/8	-	58'-4 3/4"	-	-	-	61'-0 3/8	do	47'-0 1/2	624.393	E 4	3/8"	F 2	-	E 4	5/16"	M			
	N	do	624.722	621.009	do	do	624.515	620.864	do	do	624.303	620.642	do	do	do	57'-7 3/16	9"x3/8"	15'-10 3/4	13'-8"	21'-0"	6'-0"	21'-10 3/16	13'-6"	16'-3"	do	43'-7 5/16	624.463	E 3	11/16"	F 3	-	E 3	-	N	
	O	6'-6 7/8	624.728	621.009	do	6'-6 7/8	624.520	620.864	do	do	624.321	620.642	do	do	do	54'-3	9"x3/8"	52'-4 3/4"	-	-	4'-0"	-	50'-2	do	40'-2 1/8	624.468	E 3	11/16"	F 3	1/16"	E 3	3/16"	O		
	P	6'-6 13/16	624.689	621.009	do	6'-6 13/16	624.461	620.801	do	do	624.275	620.570	do	do	do	50'-8 13/16	-	58'-4 3/4"	-	-	-	-	50'-8 13/16	do	36'-8 15/16	624.409	E 3	-	F 5	1/8"	E 3	1/2"	P		
	Q	6'-6 13/16	624.590	620.430	77°-00'-00"	6'-6 13/16	624.383	620.733	77°-00'-00"	6'-6 13/16	624.209	620.500	52°-30'-29"	30 W 132	58'-4 3/4	47'-3 11/16	-	58'-4 3/4"	-	-	-	-	47'-3 11/16	70'-4 5/8	33'-3 13/16	624.331	E 3	-	F 5	-	E 3	9/16"	Q		

STRUCTURAL STEEL SPANS NO. 1, NO. 2, NO. 6 & NO. 7 EAST BOUND
 SPANS NO. 1, NO. 2, NO. 6 & NO. 7 WEST BOUND, SPANS NO. 6 & NO. 7 RAMP F

WEIGHT OF STUDS	2,211	LBS.
WEIGHT OF BEARING DEVICES	26,246	LBS.
WEIGHT OF 1/2" OPEN JOINT DEVICES	7,01	