

WF BEAM SCHEDULE

SPAN	BEAM NO.	LENGTH L	BEAM SIZE	BOTTOM COVER PLATE	SHEAR CONN. SPACING**	
					A	B
	1	77'-6"	36WF230	15x1/2x46'-3"	6	9E10-11E12-5E15-9E18
	2	77'-4"	36WF170	11x1/2x49'-9"	6	11E10-9E12-6E15-6E18
	3	73'-2"	36WF170	11x1/2x45'-0"	6	19E10-7E15-3E18-3E24
	4	73'-0"	36WF150	11x1/2x48'-6"	6	16E9-12E12-6E18-1E24
	5	70'-0"	36WF150	11x1/2x45'-9"	6	18E10-6E15-5E18-2E24
	6	65'-8"	36WF150	11x1/2x41'-9"	6	19E10-4E15-4E18-3E24
	7	65'-6"	36WF135	10x1/2x43'-3"	6	17E9-9E12-4E18-2E24
	8	65'-4"	36WF135	10x1/2x42'-3"	6	17E9-10E12-3E18-2E24
	9	65'-5"	36WF135	11x1/2x36'-3"	6	8E10-11E12-7E18-1E24
	10	61'-4"	36WF135	10x1/2x37'-9"	6	20E10-6E15-2E18-1E24
	11	57'-2"	33WF118	10x1/2x37'-9"	6	7E9-7E10-11E12-4E18
	12	57'-1"	30WF99	9x1/2x37'-6"	6	18E18-4E12-4E15-4E18
	13	55'-10"	30WF99	9x1/2x38'-0"	6	15E18-7E12-4E15-3E18
	14	55'-10"	30WF99	9x1/2x36'-6"	6	19E6-5E10-8E12-3E15
	15	51'-10"	30WF99	9x1/2x33'-3"	6	16E8-7E12-3E15-2E18
	16	49'-10"	30WF99	9x1/2x30'-3"	6	16E8-6E12-3E15-3E18
	17	47'-10"	27WF84	9x1/2x34'-3"	6	15E6-9E8-6E10-4E12
	18	46'-10"	27WF84	9x1/2x34'-3"	6	14E6-9E8-6E10-4E12
	19	44'-7"	27WF84	9x1/2x31'-9"	6	15E6-8E8-6E10-3E12
	20	42'-4"	27WF84	9x1/2x27'-9"	6	20E5-9E8-4E10-2E12
	21	40'-1"	27WF84	9x1/2x24'-3"	6	21E5-7E8-4E10-2E12
	22	37'-10"	36WF135	---	6	6E12-4E15-3E18-1E24
	1 THRU 21	SEE NEXT SHEET				
2	22	73'-9"	36WF150	11x1/2x47'-3"	6	10E10-8E12-6E18-5E24
	23	73'-9"	36WF170	11x1/2x35'-6"	6	1E10-17E24-
	1 THRU 21	SEE NEXT SHEET				
3	22	85'-6"	36WF230	15x1/2x49'-3"	1	7E15-10E18-9E24-
	23	85'-11"	36WF230	15x1/2x47'-6"	1	7E15-10E18-9E24
	24	86'-3"	36WF260	15x1/2x46'-3"	1	8E21-14E24
	1	85'-7"	36WF260	15x1/2x51'-0"	1	7E15-10E18-9E24
	12	85'-6"	36WF198	11x1/2x54'-6"	1	11E10-12E12-7E18-5E24
	2	85'-6"	36WF198	11x1/2x54'-6"	1	11E10-12E12-7E18-5E24
	3	85'-6"	36WF230	15x1/2x48'-0"	1	5E15-9E18-11E24
	4 THRU 21	SEE NEXT SHEET				
	22	85'-6"	36WF230	15x1/2x44'-0"	1	5E15-9E18-11E24
	23	85'-6"	36WF230	15x1/2x53'-3"	1	6E14-9E16-5E21-7E24
	24	85'-9"	36WF230	15x1/2x53'-3"	1	6E14-9E16-5E21-7E24
	25	86'-4"	36WF230	15x1/2x53'-3"	1	6E14-9E16-5E21-7E24
	26	87'-2"	36WF260	15x1/2x50'-3"	1	12E15-5E18-4E21-8E24
	12	64'-11"	36WF150	11x1/2x46'-9"	6	18E9-9E12-6E18-1E24
	2	71'-0"	36WF150	11x1/2x46'-9"	6	18E9-9E12-6E18-1E24
	22	72'-2"	36WF170	11x1/2x49'-3"	6	17E10-6E15-6E18-2E24
	3	73'-5"	36WF170	11x1/2x47'-3"	6	18E10-3E15-7E18-3E24
	4 THRU 21	SEE NEXT SHEET				
	22	73'-9"	36WF170	11x1/2x43'-0"	6	10E10-10E12-6E18-4E24
	23	73'-9"	36WF260	15x1/2x41'-6"	6	10E15-6E18-7E24
	27	74'-4"	36WF170	11x1/2x47'-6"	6	19E9-7E12-7E18-2E24
	28	75'-7"	36WF198	11x1/2x48'-3"	6	14E10-11E12-5E18-3E24
	1 & 20	78'-0"	36WF198	11x1/2x48'-3"	9*	11E9-8E12-12E15-2E24
	2705, 1670, 19	78'-0"	36WF170	11x1/2x47'-6"	9*	15E9-10E12-8E18-1E24
	6, 15	78'-0"	36WF160	11x1/2x46'-0"	9*	11E9-12E12-6E18-3E24
	7, 8, 9	78'-0"	36WF150	11x1/2x47'-6"	9*	11E9-13E12-4E18-4E24
	10	78'-0"	36WF182	11x1/2x46'-0"	9*	5E9-14E12-9E18-2E24
	11	78'-0"	36WF150	11x1/2x46'-0"	9*	15E9-6E15-7E18-8E24
	12, 13, 14	78'-0"	36WF150	11x1/2x46'-0"	9*	11E9-13E12-4E18-4E24
	1 & 20	SEE TABLE THIS SHEET				
	2, 3, 4, 17, 18, 19	SEE TABLE THIS SHEET				
	5	SEE TABLE THIS SHEET				
	6	SEE TABLE THIS SHEET				
	7, 8, 9, 12, 13, 14	SEE TABLE THIS SHEET				
	10	SEE TABLE THIS SHEET				
	11	SEE TABLE THIS SHEET				
	15	SEE TABLE THIS SHEET				
	16	SEE TABLE THIS SHEET				
	1 & 20	SEE TABLE THIS SHEET				
	2, 3, 4, 17, 18, 19	SEE TABLE THIS SHEET				
	5	SEE TABLE THIS SHEET				
	6	SEE TABLE THIS SHEET				
	7, 8, 9, 12, 13, 14	SEE TABLE THIS SHEET				
	10	SEE TABLE THIS SHEET				
	11	SEE TABLE THIS SHEET				
	15	SEE TABLE THIS SHEET				
	16	SEE TABLE THIS SHEET				

* DIMENSION "A" 1'-9" AT FIXED STEEL PIER CONNECTION.
2'-3" AT EXPANSION STEEL PIER CONNECTION.

WF BEAM SCHEDULE

SPAN	BEAM NO.	LENGTH L	BEAM SIZE	BOTTOM COVER PLATE	SHEAR CONN. SPACING**	
					A	B
	1	78'-10"	36WF230	15x1/2x49'-9"	6	8E10-13E12-9E15-4E21
	2	75'-11"	36WF170	11x1/2x48'-9"	6	11E9-9E12-10E15-2E18
	3	72'-9"	36WF160	11x1/2x47'-9"	6	14E9-6E12-10E15-4E18
	4	69'-8"	36WF150	11x1/2x45'-0"	6	14E9-7E12-3E15-8E18
	5	66'-6"	36WF135	11x1/2x45'-9"	6	13E9-10E12-6E15-3E18
	6	64'-11"	36WF135	11x1/2x36'-9"	6	6E10-12E12-4E15-6E18
	7	62'-0"	33WF118	10x1/2x40'-3"	6	12E9-6E12-8E15-3E18
	8	59'-11"	33WF118	10x1/2x36'-3"	6	12E9-6E12-8E15-2E18
	9	56'-2"	33WF118	10x1/2x31'-0"	6	8E8-10E10-7E12-4E18
	10	53'-3"	33WF118	10x1/2x31'-9"	6	6E10-9E12-3E15-5E18
	11	51'-3"	27WF84	9x1/2x34'-9"	6	14E8-6E10-6E12-3E15
	12	48'-4"	27WF84	9x1/2x34'-3"	6	16E6-8E9-5E12-3E15
	13	45'-6"	27WF84	9x1/2x30'-6"	6	16E6-9E9-4E12-2E15
	14	42'-7"	24WF76	8x1/2x30'-3"	6	20E5-8E8-5E10-2E12
	15	39'-9"	24WF76	8x1/2x27'-0"	6	18E4-10E6-6E8-4E10
	16	38'-2"	24WF76	8x1/2x26'-9"	6	20E4-13E6-3E8-3E10
	17	35'-0"	24WF68	8x1/2x23'-6"	6	11E4-10E6-8E8-2E12
	18	31'-11"	24WF68	8x1/2x17'-3"	6	9E4-11E6-6E8-2E12
	19	28'-9"	24WF68	---	6	12E4-8E6-4E9-2E12
	20	25'-9"	36WF135	---	6	2E12-2E15-2E18-2E24

SPAN LENGTH "L"

BEAM NO.	LENGTH L						
	SPAN 11	SPAN 12	SPAN 13	SPAN 14	SPAN 15	SPAN 17	
1	79'-5 1/2"	79'-7 3/8"	79'-6 1/2"	79'-2 1/8"	79'-1 1/2"	79'-6 1/2"	
2	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
3	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
4	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
5	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
6	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
7	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
8	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
9	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
10	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
11	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
12	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
13	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
14	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
15	79'-5 1/2"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-4 3/8"	79'-6 1/2"	
16	79'-5 1/2"	80'-1 3/8"	79'-9 1/8"	79'-7 3/8"	79'-8"	79'-6 1/2"	
17	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-8"	79'-6 1/2"	
18	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-8"	79'-6 1/2"	
19	79'-6"	79'-8 1/8"	79'-7 5/8"	79'-7 3/8"	79'-8"	79'-6 1/2"	
20	79'-6"	79'-7 3/8"	79'-10 3/4"	79'-9 1/2"	80'-0 1/2"	79'-6 1/2"	

WELDED PLATE BEAM SCHEDULE

SPAN	BEAM	L	d	t	BOTTOM FLANGE PLATES			TOP FLANGE PLATES			SHEAR CONNECTOR SPACING	
					A	B OR B1	C	D	E OR E1	F	H	K**
	2	155'-4 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	12E15-9E18-24E24
	3	153'-8 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	14E15-8E18-23E24
	4	152'-0 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	13E15-11E18-21E24
	5	151'-2 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	3E15-11E18-27E24
	6	149'-7 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	10E15-10E18-23E24
	7	147'-11 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	11E15-10E18-22E24
	8	145'-3 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	4E15-10E18-26E24
	9	145'-3 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	13E18-26E24
	10	144'-1 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	1E15-13E18-25E24
	11	142'-6 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	2E15-13E18-24E24
	12	141'-0 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	1E15-20E18-19E24
	13	140'-3 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	11E15-11E18-20E24
	14	138'-5 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	15E12-10E18-19E24
	15	137'-1 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	11E12-10E18-19E24
	16	135'-3 1/2"	96	3/4	16x1/2x24x38'-0"	16x24x37'-0"	16x24x37'-0"	16x1/2x36'-0"	16x1/2x36'-0"	16x1/2x36'-0"	6	13E15-8E18-19E24

WELDED PLATE BEAM SCHEDULE

SPAN	BEAM	L	d	t	BOTTOM FLANGE PLATES			TOP FLANGE PLATES			SHEAR CONNECTOR SPACING	
					A	B OR B1	C	D	E OR E1	F	H	K**
	1	91'-0 1/2"	48	3/8	16x1/2x24x21'-0"	16x24x21'-0"	16x24x21'-0"	16x1/2x21'-0"	16x1/2x21'-0"	16x1/2x21'-0"	9*	13E9-19E12-6E18-3E24
	2,3,4,5	91'-0 1/2"	48	3/8	16x1/2x24x21'-0"	16x24x21'-0"	16x24x21'-0"	16x1/2x21'-0"	16x1/2x21'-0"	16x1/2x21'-0"	9*	21E9-15E12-6E18-2E24
	4	91'-0 1/2"	48	3/8	16x1/2x24x21'-0"	16x24x21'-0"	16x24x21'-0"	16x1/2x21'-0"	16x1/2x21'-0"	16x1/2x21'-0"		