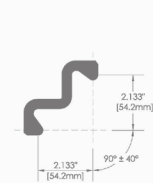


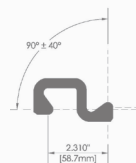
Z-Pile HR[®]

sheet-pile.com/z-pile

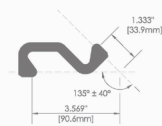
PilePro[®] Sheet Pile Connectors



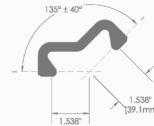
HR[®] Omega



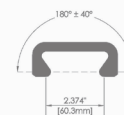
HR[®] 90



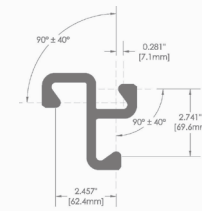
HR[®] Colt



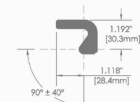
HR[®] 135



HR[®] 180



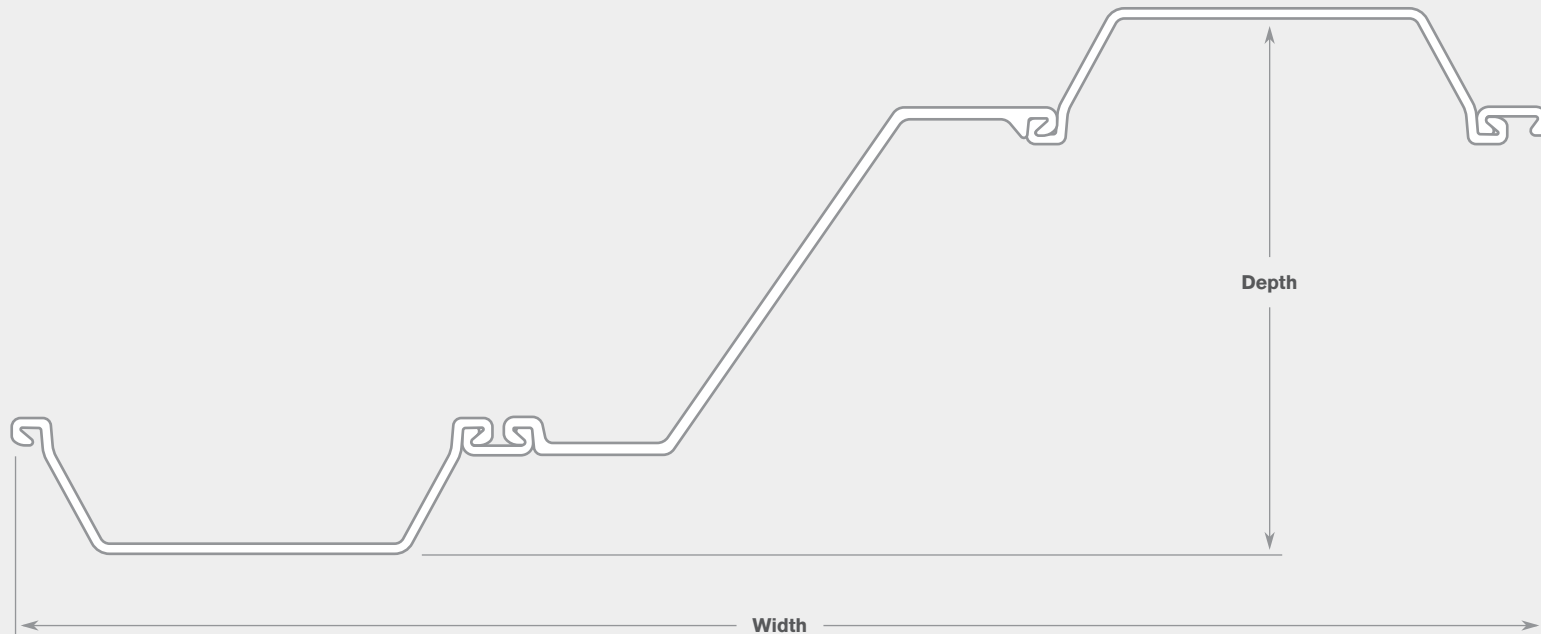
HR[®] Tee



C9[®]

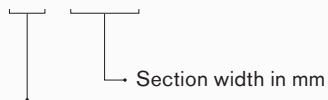


Configuration A



SECTION NAME:

42 - 2010



Section modulus (elastic) in $\text{cm}^3/\text{m} \div 100$

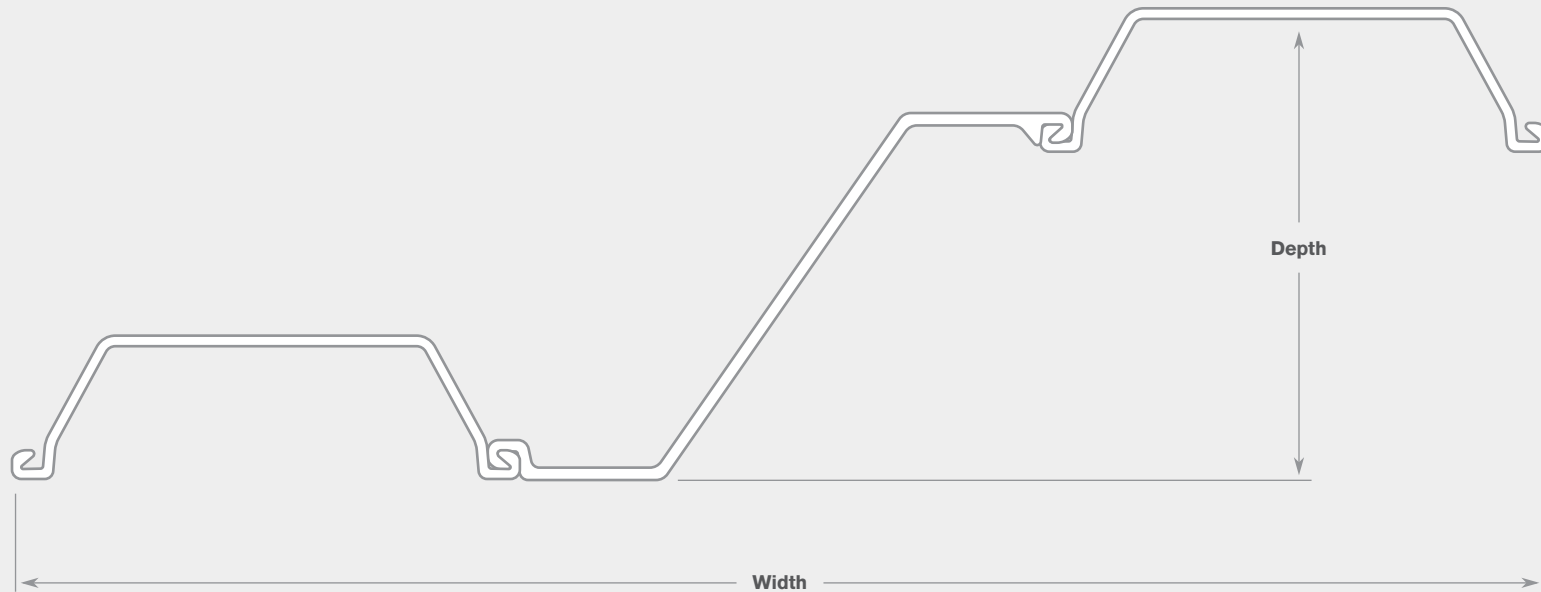
These are examples from a large variety of possible Z-Pile solutions.

Please configure your own system on sheet-pile.com/z-pile

Sheet Pile LLC is the owner and assignee of numerous patents and IP, that may be related to this sheet pile solution.

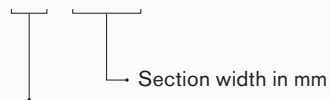


Configuration B



SECTION NAME:

21 - 1900



Section modulus (elastic) in $\text{cm}^3/\text{m} \div 100$

These are examples from a large variety of possible Z-Pile solutions.

Please configure your own system on sheet-pile.com/z-pile

Sheet Pile LLC is the owner and assignee of numerous patents and IP, that may be related to this sheet pile solution.

Section	Solution Type	Width	Depth	Web Thickness	Flange Thickness	Per Panel Section						Per Unit of Wall			Configuration
						Cross Section Area	Panel Weight	Panel Moment of Inertia	Panel Section Modulus	Coating Area	Coating Area Waterside	Weight	Moment of Intertia	Section Modulus	
		in (mm)	in (mm)	in (mm)	in (mm)	in ² (cm ²)	lb/ft (kg/m)	in ⁴ (cm ⁴)	in ³ (cm ³)	ft ² /ft (m ² /m)	ft ² /ft (m ² /m)	lb/ft ² (kg/m ²)	in ⁴ /ft (cm ⁴ /m)	in ³ /ft (cm ³ /m)	
10-1970	Z	77.6	17.8	0.3	0.3	32.67	111.2	1369.7	114.1	16.57	8.28	17.2	211.9	17.6	B
		1970.0	453.0	8.5	8.6	210.8	165.5	57012.0	1869.2	5.05	2.52	84.0	28940.1	948.9	
12-1900	Z	74.8	20.9	0.3	0.3	32.75	111.5	1950.5	144.2	16.6	8.3	17.9	312.9	23.1	B
		1900.0	530.0	8.4	8.5	211.3	165.9	81187.0	2363.6	5.06	2.53	87.3	42730.0	1244.0	
12-1970	Z	77.6	18.8	0.4	0.4	34.02	115.8	1290.0	149.6	16.57	8.28	17.9	199.6	23.1	B
		1970.0	477.0	9.5	9.6	219.47	172.3	53694.2	2451.8	5.05	2.52	87.5	27255.9	1244.6	
13-1970	Z	77.6	18.8	0.4	0.4	36.8	125.2	1399.8	160.2	16.57	8.28	19.4	216.6	24.8	B
		1970.0	477.0	9.5	9.6	237.44	186.4	58266.1	2624.6	5.05	2.52	94.6	29576.7	1332.3	
15-2080	Z	81.9	24.1	0.4	0.4	38.25	130.2	2326.7	193.8	17.55	8.78	19.1	341.0	28.4	A
		2080.0	611.0	9.5	9.6	246.8	193.7	96845.6	3175.3	5.35	2.68	93.1	46560.4	1526.6	
15-1970	Z	77.6	19.0	0.4	0.4	42.5	144.6	1694.7	184.7	17.39	8.69	22.4	262.2	28.6	B
		1970.0	482.0	9.5	9.6	274.2	215.2	70539.9	3027.5	5.3	2.65	109.3	35807.1	1536.8	
16-1900	Z	74.8	21.8	0.4	0.4	34.1	116.0	1878.8	185.7	16.6	8.3	18.6	301.4	29.8	B
		1900.0	553.0	9.5	9.6	219.98	172.7	78200.9	3042.8	5.06	2.53	90.9	41158.4	1601.5	
17-2080	Z	81.9	24.0	0.4	0.4	41.04	139.7	2570.7	214.1	17.55	8.78	20.5	376.7	31.4	A
		2080.0	610.0	9.5	9.6	264.78	207.9	107000.0	3508.2	5.35	2.68	99.9	51442.3	1686.6	
17-2010	Z	79.1	22.2	0.3	0.3	39.13	133.2	2547.3	211.5	17.55	8.78	20.2	386.3	32.1	A
		2010.0	563.0	8.5	8.6	252.47	198.2	106027.5	3465.2	5.35	2.68	98.6	52750.0	1724.0	
18-1900	Z	74.8	21.8	0.4	0.4	37.75	128.5	2100.0	205.9	16.6	8.3	20.6	336.9	33.0	B
		1900.0	553.0	9.5	9.6	243.57	191.2	87408.0	3374.8	5.06	2.53	100.6	46004.2	1776.2	
19-2010	Z	79.1	27.0	0.4	0.4	38.33	130.5	3195.5	236.6	17.59	8.79	19.8	484.6	35.9	A
		2010.0	686.0	9.5	9.6	247.32	194.1	133004.7	3877.7	5.36	2.68	96.6	66171.5	1929.2	
20-1900	Z	74.8	22.0	0.4	0.4	42.58	144.9	2460.4	230.6	17.42	8.71	23.2	394.7	37.0	B
		1900.0	559.0	9.5	9.6	274.71	215.6	102409.9	3779.0	5.31	2.66	113.5	53899.9	1988.9	
21-2010	Z	79.1	25.2	0.3	0.3	40.2	136.8	3489.5	257.7	17.59	8.79	20.7	529.1	39.1	A
		2010.0	640.0	8.4	8.5	259.38	203.6	145242.6	4223.0	5.36	2.68	101.3	72260.0	2101.0	

Section	Solution Type	Width	Depth	Web Thickness	Flange Thickness	Per Panel Section						Per Unit of Wall			Configuration
						Cross Section Area	Panel Weight	Panel Moment of Inertia	Panel Section Modulus	Coating Area	Coating Area Waterside	Weight	Moment of Intertia	Section Modulus	
		in (mm)	in (mm)	in (mm)	in (mm)	in² (cm²)	lb/ft (kg/m)	in⁴ (cm⁴)	in³ (cm³)	ft²/ft (m²/m)	ft²/ft (m²/m)	lb/ft² (kg/m²)	in⁴/ft (cm⁴/m)	in³/ft (cm³/m)	
21-1900	Z	74.8	23.3	0.5	0.5	41.41	140.9	2660.5	246.6	16.83	6.56	22.6	426.8	39.6	B
		1900.0	592.0	12.2	12.3	267.17	209.7	110736.4	4041.5	5.13	2	110.4	58282.3	2127.1	
21-2080	Z	81.9	24.4	0.4	0.4	46.74	159.1	3321.9	271.3	18.37	9.19	23.3	486.8	39.8	A
		2080.0	621.0	9.5	9.6	301.53	236.7	138268.1	4445.9	5.6	2.8	113.8	66475.0	2137.5	
22-1970	Z	77.6	21.7	0.4	0.4	56.6	192.6	2745.5	258.3	18.37	9.19	29.8	424.8	40.0	B
		1970.0	551.0	9.5	9.6	365.16	286.7	114278.2	4232.5	5.6	2.8	145.5	58009.2	2148.5	
22-2010	Z	79.1	28.5	0.5	0.5	42.86	145.9	3892.8	273.1	17.81	8.91	22.1	590.3	41.4	A
		2010.0	724.0	12.2	12.3	276.53	217.1	162029.0	4475.9	5.43	2.72	108.0	80611.5	2226.8	
23-1900	Z	74.8	24.1	0.4	0.4	48.24	164.2	3094.2	262.9	18.41	9.2	26.3	496.4	42.2	B
		1900.0	611.0	9.5	9.6	311.21	244.3	128791.0	4307.4	5.61	2.8	128.6	67784.7	2267.0	
23-1970	Z	77.6	21.7	0.4	0.4	60.1	204.5	2913.8	278.2	18.83	9.42	31.6	450.8	43.0	B
		1970.0	551.0	9.5	9.6	387.77	304.4	121279.7	4559.4	5.74	2.87	154.5	61563.3	2314.4	
24-1970	Z	77.6	21.7	0.4	0.4	61.85	210.5	3003.8	287.9	18.83	9.42	32.6	464.8	44.5	B
		1970.0	552.0	9.5	9.6	399.01	313.2	125028.9	4718.1	5.74	2.87	159.0	63466.4	2395.0	
24-1900	Z	74.8	23.5	0.5	0.5	47.11	160.3	3129.0	278.9	17.68	8.84	25.7	502.0	44.7	B
		1900.0	596.0	12.2	12.3	303.92	238.6	130238.8	4569.8	5.39	2.7	125.6	68546.7	2405.1	
26-2010	Z	79.1	28.5	0.5	0.5	47.78	162.6	4500.5	315.8	17.81	8.91	24.7	682.5	47.9	A
		2010.0	724.0	12.2	12.3	308.24	242.0	187323.7	5174.7	5.43	2.72	120.4	93195.9	2574.5	
26-1900	Z	74.8	24.7	0.4	0.4	56.68	192.9	3795.1	302.2	18.41	9.2	30.9	608.8	48.5	B
		1900.0	628.0	9.5	9.6	365.67	287.1	157965.9	4951.9	5.61	2.8	151.1	83140.0	2606.3	
27-2010	Z	79.1	27.4	0.4	0.4	46.82	159.3	4478.9	326.9	18.41	9.2	24.2	679.2	49.6	A
		2010.0	697.0	9.5	9.6	302.05	237.1	186424.6	5357.0	5.61	2.8	118.0	92748.6	2665.2	
27-1900	Z	74.8	25.5	0.5	0.5	52.76	179.6	3853.4	314.7	18.67	9.33	28.8	618.2	50.5	B
		1900.0	648.0	12.2	12.3	340.41	267.2	160391.4	5157.3	5.69	2.84	140.6	84416.5	2714.4	
28-2080	Z	81.9	28.5	0.4	0.4	52.39	178.3	4981.3	349.5	19.36	9.68	26.1	729.9	51.2	A
		2080.0	725.0	9.5	9.6	338.03	265.4	207335.5	5727.5	5.9	2.95	127.6	99680.5	2753.6	

Section	Solution Type	Width	Depth	Web Thickness	Flange Thickness	Per Panel Section						Per Unit of Wall			Configuration
						Cross Section Area	Panel Weight	Panel Moment of Inertia	Panel Section Modulus	Coating Area	Coating Area Waterside	Weight	Moment of Intertia	Section Modulus	
		in (mm)	in (mm)	in (mm)	in (mm)	in ² (cm ²)	lb/ft (kg/m)	in ⁴ (cm ⁴)	in ³ (cm ³)	ft ² /ft (m ² /m)	ft ² /ft (m ² /m)	lb/ft ² (kg/m ²)	in ⁴ /ft (cm ⁴ /m)	in ³ /ft (cm ³ /m)	
28-1900	Z	74.8 1900.0	24.7 628.0	0.4 9.5	0.4 9.6	61.93 399.52	210.7 313.6	4153.3 172873.5	323.6 5302.9	18.86 5.75	9.43 2.88	33.8 165.1	666.3 90986.0	51.9 2791.0	B
29-2010	Z	79.1 2010.0	28.3 720.0	0.5 12.2	0.6 16.1	50.72 327.23	172.6 256.9	5322.6 221542.2	353.5 5792.8	18.64 5.68	9.32 2.84	26.2 127.8	807.1 110220.0	53.6 2882.0	A
30-2010	Z	79.1 2010.0	28.9 734.0	0.5 12.2	0.5 12.3	51.35 331.26	174.7 260.0	5323.9 221598.7	368.5 6038.1	18.67 5.69	9.33 2.84	26.5 129.4	807.3 110248.1	55.9 3004.0	A
31-1900	Z	74.8 1900.0	26.2 665.0	0.5 12.2	0.5 12.3	61.21 394.89	208.3 310.0	4684.3 194975.3	360.5 5908.3	18.67 5.69	9.33 2.84	33.4 163.2	751.5 102618.6	57.8 3109.7	B
33-1900	Z	74.8 1900.0	26.2 665.0	0.5 12.2	0.5 12.3	64.71 417.49	220.2 327.7	4973.8 207024.7	381.7 6254.5	19.13 5.83	9.56 2.92	35.3 172.5	797.9 108960.4	61.2 3291.9	B
33-2010	Z	79.1 2010.0	29.6 752.6	0.3 8.4	0.3 8.5	51.55 332.61	175.5 261.1	6271.0 261018.6	408.5 6693.3	19.42 5.92	9.71 2.96	26.6 129.9	950.9 129860.0	61.9 3330.0	A
34-1900	Z	74.8 1900.0	26.2 666.0	0.5 12.2	0.5 12.3	66.45 428.73	226.2 336.6	5114.9 212898.5	394.9 6471.1	19.13 5.83	9.56 2.92	36.3 177.1	820.5 112051.9	63.3 3405.8	B
36-2080	Z	81.9 2080.0	29.8 757.0	0.4 9.5	0.4 9.6	60.84 392.5	207.0 308.1	6800.5 283056.6	457.0 7488.3	19.36 5.9	9.68 2.95	30.3 148.1	996.5 136084.9	67.0 3600.1	A
37-2010	Z	79.1 2010.0	33.0 838.0	0.5 12.2	0.5 12.3	57 367.75	194.0 288.7	7460.9 310547.0	452.3 7411.6	19.65 5.99	9.83 3	29.4 143.6	1131.4 154501.0	68.6 3687.4	A
38-1900	Z	74.8 1900.0	27.8 705.0	0.4 11.2	0.6 15.1	67.83 437.58	230.8 343.5	6127.0 255023.4	441.5 7234.7	19.55 5.96	9.78 2.98	37.0 180.8	982.9 134222.8	70.8 3807.7	B
39-1900	Z	74.8 1900.0	27.8 706.0	0.5 12.2	0.6 16.1	69.36 447.47	236.0 351.3	6238.9 259682.5	448.9 7356.4	19.55 5.96	9.78 2.98	37.9 184.9	1000.9 136675.0	72.0 3871.8	B
39-2080	Z	81.9 2080.0	29.9 759.0	0.4 9.5	0.4 9.6	64.34 415.11	219.0 325.9	7456.8 310377.0	499.7 8189.4	19.82 6.04	9.91 3.02	32.1 156.7	1092.7 149219.7	73.2 3937.2	A
40-1900	Z	74.8 1900.0	27.8 706.0	0.5 12.2	0.6 16.1	71.1 458.71	242.0 360.1	6412.8 266921.8	461.4 7561.5	19.55 5.96	9.78 2.98	38.8 189.5	1028.8 140485.1	74.0 3979.7	B

Section	Solution Type	Width	Depth	Web Thickness	Flange Thickness	Per Panel Section						Per Unit of Wall			Configuration
						Cross Section Area	Panel Weight	Panel Moment of Inertia	Panel Section Modulus	Coating Area	Coating Area Waterside	Weight	Moment of Intertia	Section Modulus	
		in (mm)	in (mm)	in (mm)	in (mm)	in ² (cm ²)	lb/ft (kg/m)	in ⁴ (cm ⁴)	in ³ (cm ³)	ft ² /ft (m ² /m)	ft ² /ft (m ² /m)	lb/ft ² (kg/m ²)	in ⁴ /ft (cm ⁴ /m)	in ³ /ft (cm ³ /m)	
41-2080	Z	81.9	30.0	0.4	0.4	66.08	224.9	7787.0	520.5	19.82	9.91	33.0	1141.1	76.3	A
		2080.0	761.0	9.5	9.6	426.34	334.7	324121.1	8529.5	6.04	3.02	160.9	155827.4	4100.7	
42-2010	Z	79.1	30.9	0.3	0.3	59.33	201.9	8450.8	515.4	19.42	9.71	30.6	1281.5	78.2	A
		2010.0	785.0	8.4	8.5	382.8	300.5	351750.0	8446.0	5.92	2.96	149.5	175000.0	4202.0	
44-2010	Z	79.1	32.8	0.4	0.4	62.41	212.4	8764.7	535.2	19.39	9.69	32.2	1329.1	81.2	A
		2010.0	833.0	9.5	9.6	402.68	316.1	364812.9	8769.5	5.91	2.96	157.3	181499.0	4363.0	
47-2010	Z	79.1	32.8	0.4	0.4	64.42	219.2	9434.1	574.6	19.85	9.92	33.2	1430.6	87.1	A
		2010.0	833.0	9.5	9.6	415.62	326.3	392677.2	9416.7	6.05	3.02	162.3	195361.8	4684.9	
49-2010	Z	79.1	32.9	0.4	0.4	66.16	225.2	9854.6	598.8	19.85	9.92	34.1	1494.4	90.8	A
		2010.0	836.0	9.5	9.6	426.86	335.1	410179.5	9812.9	6.05	3.02	166.7	204069.4	4882.0	
51-2010	Z	79.1	34.3	0.5	0.5	68.95	234.6	10723.7	626.2	20.11	10.06	35.6	1626.2	95.0	A
		2010.0	871.0	12.2	12.3	444.83	349.2	446353.6	10261.0	6.13	3.06	173.7	222066.5	5105.0	
53-2010	Z	79.1	34.4	0.5	0.5	70.69	240.6	11194.7	650.7	20.11	10.06	36.5	1697.6	98.7	A
		2010.0	874.0	12.2	12.3	456.07	358.0	465959.2	10662.7	6.13	3.06	178.1	231820.5	5304.8	
54-2010	Z	79.1	34.2	0.6	0.9	77.75	264.6	11851.9	658.7	20.01	10.01	40.1	1797.2	99.9	A
		2010.0	869.0	16.0	23.1	501.6	393.8	493314.3	10793.7	6.1	3.05	195.9	245430.0	5370.0	
56-2010	Z	79.1	35.9	0.4	0.6	72.06	245.2	12316.3	687.5	20.54	10.27	37.2	1867.7	104.3	A
		2010.0	911.0	11.2	15.1	464.92	365.0	512644.7	11266.9	6.26	3.13	181.6	255047.1	5605.4	
57-2010	Z	79.1	35.9	0.5	0.6	73.6	250.5	12404.3	692.5	20.54	10.27	38.0	1881.0	105.0	A
		2010.0	911.0	12.2	16.1	474.81	372.7	516306.0	11347.4	6.26	3.13	185.4	256868.6	5645.5	
58-2010	Z	79.1	35.9	0.4	0.6	73.8	251.2	12803.8	713.2	20.54	10.27	38.1	1941.6	108.2	A
		2010.0	913.0	11.2	15.1	476.16	373.8	532935.5	11687.2	6.26	3.13	186.0	265142.1	5814.5	
59-2010	Z	79.1	36.0	0.5	0.6	75.34	256.4	12908.6	717.5	20.54	10.27	38.9	1957.5	108.8	A
		2010.0	914.0	12.2	16.1	486.05	381.5	537296.5	11757.0	6.26	3.13	189.8	267311.7	5849.3	
60-2010	Z	79.1	34.3	0.6	0.8	82.07	279.3	13237.9	735.8	20.54	10.27	42.4	2007.4	111.6	A
		2010.0	870.0	16.0	20.1	529.51	415.7	551001.3	12056.9	6.26	3.13	206.8	274130.0	5998.5	

Section	Solution Type	Width	Depth	Web Thickness	Flange Thickness	Per Panel Section						Per Unit of Wall			Configuration
						Cross Section Area	Panel Weight	Panel Moment of Inertia	Panel Section Modulus	Coating Area	Coating Area Waterside	Weight	Moment of Intertia	Section Modulus	
		in (mm)	in (mm)	in (mm)	in (mm)	in ² (cm ²)	lb/ft (kg/m)	in ⁴ (cm ⁴)	in ³ (cm ³)	ft ² /ft (m ² /m)	ft ² /ft (m ² /m)	lb/ft ² (kg/m ²)	in ⁴ /ft (cm ⁴ /m)	in ³ /ft (cm ³ /m)	
61-2010	Z	79.1	34.4	0.6	0.9	83.66	284.7	13531.5	748.8	20.47	10.24	43.2	2051.9	113.5	A
		2010.0	873.0	16.0	23.1	539.76	423.7	563222.1	12270.6	6.24	3.12	210.8	280210.0	6104.8	

Section	Solution Type	Bending Moment									Configuration
		g50	g55	g60	g65	S 270 GP	S 355 GP	S 390 GP	S 430 GP	S 460 GP	
		k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	
10-1970	Z	73.5	81.1	88.2	95.6	57.6	75.7	83.2	91.7	98.1	B
		327.1	360.6	392.5	425.2	256.2	336.8	370.1	408	436.5	
12-1900	Z	96.4	106.3	115.7	125.3	75.5	99.3	109.1	120.3	128.6	B
		428.9	472.7	514.6	557.5	335.9	441.6	485.2	534.9	572.2	
12-1970	Z	96.5	106.3	115.7	125.4	75.5	99.3	109.1	120.3	128.7	B
		429	472.9	514.9	557.8	336	441.8	485.4	535.2	572.5	
13-1970	Z	103.3	113.8	123.9	134.2	80.9	106.3	116.8	128.8	137.8	B
		459.3	506.3	551.1	597.1	359.7	473	519.6	572.9	612.9	
15-2080	Z	118.3	130.4	142	153.8	92.7	121.8	133.8	147.6	157.9	A
		526.3	580.1	631.5	684.1	412.2	541.9	595.4	656.4	702.2	
15-1970	Z	119.1	131.3	142.9	154.8	93.3	122.6	134.7	148.6	158.9	B
		529.8	584	635.7	688.7	414.9	545.6	599.3	660.8	706.9	
16-1900	Z	124.1	136.8	148.9	161.4	97.2	127.8	140.4	154.8	165.6	B
		552.1	608.6	662.5	717.7	432.4	568.5	624.6	688.6	736.7	
17-2080	Z	130.7	144.1	156.9	169.9	102.4	134.6	147.9	163	174.4	A
		581.4	640.9	697.7	755.9	455.4	598.8	657.8	725.3	775.9	
17-2010	Z	133.6	147.3	160.3	173.7	104.6	137.6	151.2	166.7	178.3	A
		594.3	655.1	713.2	772.6	465.5	612	672.4	741.3	793	
18-1900	Z	137.7	151.7	165.2	179	107.8	141.8	155.7	171.7	183.7	B
		612.3	675	734.8	796	479.6	630.6	692.7	763.8	817.1	
19-2010	Z	149.5	164.8	179.4	194.4	117.1	154	169.1	186.5	199.5	A
		665.1	733.1	798.1	864.6	520.9	684.9	752.4	829.6	887.4	
20-1900	Z	154.1	169.9	185	200.4	120.7	158.7	174.4	192.3	205.7	B
		685.7	755.8	822.8	891.4	537	706.1	775.7	855.2	914.9	
21-2010	Z	162.8	179.5	195.4	211.7	127.5	167.7	184.2	203.1	217.3	A
		724.3	798.4	869.2	941.6	567.3	745.9	819.4	903.4	966.5	

Section	Solution Type	Bending Moment									Configuration
		g50	g55	g60	g65	S 270 GP	S 355 GP	S 390 GP	S 430 GP	S 460 GP	
		k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	
21-1900	Z	164.9	181.7	197.8	214.3	129.1	169.8	186.5	205.6	220	B
		733.3	808.3	879.9	953.3	574.3	755.1	829.6	914.6	978.5	
21-2080	Z	165.7	182.6	198.8	215.3	129.7	170.6	187.4	206.6	221	A
		736.9	812.2	884.2	957.9	577.1	758.8	833.6	919.1	983.2	
22-1970	Z	166.5	183.5	199.8	216.5	130.4	171.5	188.4	207.7	222.2	B
		740.7	816.4	888.8	962.9	580.1	762.7	837.9	923.9	988.3	
22-2010	Z	172.6	190.2	207.1	224.4	135.2	177.7	195.2	215.3	230.3	A
		767.7	846.2	921.2	998	601.2	790.5	868.5	957.5	1024.3	
23-1900	Z	175.7	193.7	210.8	228.4	137.6	180.9	198.8	219.2	234.4	B
		781.5	861.5	937.8	1016	612.1	804.8	884.1	974.8	1042.8	
23-1970	Z	179.4	197.7	215.2	233.2	140.5	184.7	202.9	223.7	239.3	B
		797.9	879.5	957.4	1037.2	624.9	821.6	902.6	995.2	1064.6	
24-1970	Z	185.6	204.6	222.7	241.3	145.4	191.1	210	231.5	247.7	B
		825.6	910.1	990.8	1073.3	646.6	850.2	934	1029.8	1101.7	
24-1900	Z	186.4	205.5	223.7	242.3	146	191.9	210.9	232.5	248.7	B
		829.1	914	995	1077.9	649.4	853.8	938	1034.2	1106.4	
26-2010	Z	199.5	219.9	239.4	259.4	156.3	205.5	225.7	248.9	266.2	A
		887.5	978.3	1065	1153.8	695.1	913.9	1004	1107	1184.3	
26-1900	Z	202	222.6	242.4	262.6	158.2	208	228.5	251.9	269.5	B
		898.5	990.4	1078.2	1168	703.7	925.2	1016.4	1120.7	1198.9	
27-2010	Z	206.6	227.7	247.9	268.5	161.8	212.7	233.7	257.6	275.6	A
		918.8	1012.8	1102.5	1194.4	719.6	946.1	1039.4	1146	1226	
27-1900	Z	210.4	231.9	252.4	273.5	164.8	216.6	238	262.4	280.7	B
		935.7	1031.5	1122.9	1216.5	732.9	963.6	1058.6	1167.2	1248.6	
28-2080	Z	213.4	235.2	256.1	277.4	167.1	219.8	241.4	266.2	284.8	A
		949.3	1046.4	1139.1	1234.1	743.5	977.5	1073.9	1184.1	1266.7	

Section	Solution Type	Bending Moment									Configuration
		g50	g55	g60	g65	S 270 GP	S 355 GP	S 390 GP	S 430 GP	S 460 GP	
		k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	
28-1900	Z	216.3	238.4	259.6	281.2	169.4	222.7	244.7	269.8	288.6	B
		962.2	1060.6	1154.6	1250.8	753.6	990.8	1088.5	1200.1	1283.9	
29-2010	Z	223.4	246.2	268	290.4	174.9	230	252.7	278.6	298	A
		993.5	1095.2	1192.2	1291.6	778.1	1023.1	1124	1239.3	1325.7	
30-2010	Z	232.8	256.6	279.4	302.7	182.3	239.7	263.4	290.4	310.7	A
		1035.6	1141.5	1242.7	1346.3	811.1	1066.4	1171.6	1291.7	1381.9	
31-1900	Z	241	265.6	289.2	313.3	188.8	248.2	272.6	300.6	321.6	B
		1072	1181.7	1286.4	1393.6	839.6	1103.9	1212.8	1337.2	1430.4	
33-1900	Z	255.1	281.2	306.1	331.7	199.8	262.7	288.6	318.2	340.4	B
		1134.8	1250.9	1361.8	1475.3	888.8	1168.6	1283.8	1415.5	1514.3	
33-2010	Z	258.1	284.5	309.7	335.5	202.1	265.8	292	321.9	344.4	A
		1148	1265.4	1377.6	1492.4	899.1	1182.1	1298.7	1431.9	1531.8	
34-1900	Z	264	291	316.7	343.1	206.7	271.8	298.6	329.2	352.2	B
		1174.1	1294.2	1408.9	1526.4	919.6	1209.1	1328.3	1464.5	1566.7	
36-2080	Z	279	307.5	334.8	362.7	218.5	287.3	315.6	348	372.3	A
		1241.1	1368	1489.3	1613.4	972	1278	1404.1	1548.1	1656.1	
37-2010	Z	285.8	315	342.9	371.5	223.8	294.3	323.3	356.5	381.3	A
		1271.2	1401.2	1525.4	1652.5	995.6	1309	1438.1	1585.6	1696.2	
38-1900	Z	295.1	325.3	354.1	383.6	231.1	303.9	333.8	368.1	393.8	B
		1312.7	1446.9	1575.2	1706.5	1028.1	1351.7	1485	1637.3	1751.6	
39-1900	Z	300.1	330.8	360.1	390.1	235	309	339.5	374.3	400.4	B
		1334.8	1471.3	1601.7	1735.2	1045.4	1374.5	1510	1664.9	1781	
39-2080	Z	305.1	336.3	366.2	396.7	239	314.2	345.2	380.6	407.2	A
		1357.3	1496.1	1628.8	1764.5	1063	1397.7	1535.5	1693	1811.1	
40-1900	Z	308.4	340	370.1	401	241.6	317.6	348.9	384.7	411.6	B
		1372	1512.3	1646.4	1783.6	1074.5	1412.8	1552.1	1711.3	1830.7	

Section	Solution Type	Bending Moment									Configuration
		g50	g55	g60	g65	S 270 GP	S 355 GP	S 390 GP	S 430 GP	S 460 GP	
		k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	k-ft/ft (kN-m/m)	
41-2080	Z	317.8	350.3	381.4	413.1	248.9	327.3	359.5	396.4	424.1	A
		1413.7	1558.3	1696.4	1837.8	1107.2	1455.8	1599.3	1763.3	1886.3	
42-2010	Z	325.7	359	390.8	423.4	255.1	335.4	368.4	406.2	434.5	A
		1448.6	1596.8	1738.3	1883.2	1134.5	1491.7	1638.8	1806.9	1932.9	
44-2010	Z	338.1	372.7	405.8	439.6	264.8	348.2	382.5	421.8	451.2	A
		1504.1	1657.9	1804.9	1955.3	1178	1548.8	1701.6	1876.1	2007	
47-2010	Z	363.1	400.2	435.7	472	284.4	373.9	410.8	452.9	484.5	A
		1615.1	1780.3	1938.1	2099.6	1264.9	1663.2	1827.1	2014.5	2155.1	
49-2010	Z	378.4	417.1	454	491.9	296.3	389.6	428	471.9	504.9	A
		1683	1855.2	2019.6	2187.9	1318.2	1733.1	1904	2099.3	2245.7	
51-2010	Z	395.6	436.1	474.8	514.3	309.9	407.4	447.6	493.5	527.9	A
		1759.9	1939.9	2111.9	2287.8	1378.3	1812.3	1990.9	2195.1	2348.3	
53-2010	Z	411.1	453.2	493.3	534.5	322	423.4	465.1	512.8	548.6	A
		1828.8	2015.8	2194.5	2377.4	1432.3	1883.2	2068.9	2281.1	2440.2	
54-2010	Z	416.2	458.7	499.4	541	326	428.6	470.8	519.1	555.3	A
		1851.2	2040.6	2221.5	2406.6	1449.9	1906.4	2094.3	2309.1	2470.2	
56-2010	Z	434.4	478.9	521.3	564.7	340.2	447.4	491.5	541.9	579.7	A
		1932.4	2130.1	2318.9	2512.1	1513.5	1989.9	2186.1	2410.3	2578.5	
57-2010	Z	437.5	482.3	525	568.8	342.7	450.5	495	545.7	583.8	A
		1946.2	2145.3	2335.4	2530.1	1524.3	2004.1	2201.7	2427.5	2596.9	
58-2010	Z	450.6	496.7	540.8	585.8	352.9	464	509.8	562.1	601.3	A
		2004.5	2209.5	2405.4	2605.8	1569.9	2064.2	2267.7	2500.2	2674.7	
59-2010	Z	453.3	499.7	544	589.3	355	466.8	512.8	565.4	604.9	A
		2016.5	2222.7	2419.8	2621.4	1579.3	2076.5	2281.2	2515.2	2690.7	
60-2010	Z	464.9	512.4	557.9	604.3	364.1	478.7	525.9	579.9	620.3	A
		2067.9	2279.4	2481.5	2688.3	1619.6	2129.5	2339.4	2579.3	2759.3	

Section	Solution Type	Bending Moment									Configuration
		g50	g55	g60	g65	S 270 GP	S 355 GP	S 390 GP	S 430 GP	S 460 GP	
		k·ft/ft (kN·m/m)	k·ft/ft (kN·m/m)	k·ft/ft (kN·m/m)	k·ft/ft (kN·m/m)	k·ft/ft (kN·m/m)	k·ft/ft (kN·m/m)	k·ft/ft (kN·m/m)	k·ft/ft (kN·m/m)	k·ft/ft (kN·m/m)	
61-2010	Z	473.1	521.5	567.7	615.1	370.6	487.2	535.2	590.1	631.3	A
		2104.6	2319.8	2525.5	2735.9	1648.3	2167.2	2380.9	2625.1	2808.2	