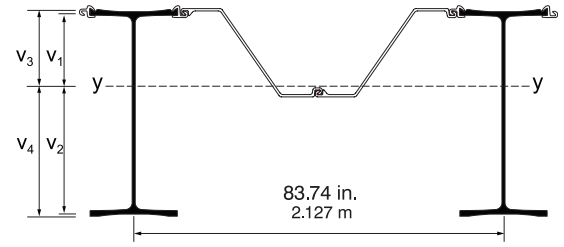


# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-12 / AZ 18-800

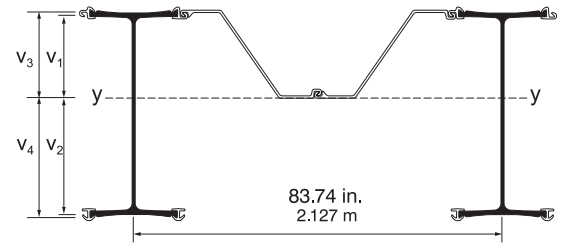



<b>JD</b> <b>FIELDS</b> <small>&amp; COMPANY, INC.</small> <small>A FIELDS COMPANY</small>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 18-800			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
<b>HZ 630M</b>	12.55 265.7	1,112.0 151,850	83.0 4,465	93.0 5,000	35.13 172	38.93 190	42.72 209	8.73 2.660	15.11 4.605
<b>HZ 880M A</b>	11.97 253.4	1,641.1 224,100	93.2 5,010	106.7 5,740	33.28 162	37.01 181	40.74 199	8.85 2.699	16.72 5.095
<b>HZ 880M B</b>	12.68 268.3	1,763.9 240,880	100.7 5,415	113.5 6,100	35.69 174	39.42 192	43.14 211	8.86 2.702	16.72 5.097
<b>HZ 880M C</b>	13.00 275.1	1,847.3 252,260	105.4 5,665	118.4 6,365	36.78 180	40.51 198	44.23 216	8.86 2.702	16.72 5.097
<b>HZ 1080M A</b>	13.69 289.8	2,964.2 404,780	131.7 7,080	147.7 7,940	39.12 191	42.86 209	46.59 227	8.84 2.695	18.15 5.533
<b>HZ 1080M B</b>	14.20 300.6	3,188.2 435,370	141.6 7,615	157.9 8,490	40.86 200	44.60 218	48.33 236	8.84 2.696	18.15 5.533
<b>HZ 1080M C</b>	15.12 320.1	3,458.0 472,210	153.9 8,270	169.9 9,135	44.00 215	47.73 233	51.47 251	8.85 2.697	18.16 5.535
<b>HZ 1080M D</b>	15.87 335.9	3,721.3 508,160	165.2 8,880	181.9 9,780	46.55 227	50.28 245	54.01 264	8.85 2.698	18.16 5.535
<b>HZ 1180M A</b>	16.47 348.6	3,919.2 535,180	173.4 9,320	190.9 10,260	48.58 237	52.31 255	56.04 274	8.85 2.699	18.16 5.536
<b>HZ 1180M B</b>	16.85 356.6	4,092.7 558,890	181.1 9,735	198.5 10,675	49.88 244	53.61 262	57.34 280	8.86 2.700	18.18 5.540
<b>HZ 1180M C</b>	17.59 372.3	4,347.6 593,690	191.0 10,270	210.5 11,315	52.26 255	56.06 274	59.85 292	8.90 2.713	18.20 5.549
<b>HZ 1180M D</b>	18.17 384.7	4,548.1 621,070	200.5 10,780	218.6 11,750	54.26 265	58.05 283	61.85 302	8.92 2.719	18.22 5.554

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ®-M STEEL WALL SYSTEMS

## Combination HZ...M-14 / AZ 18-800

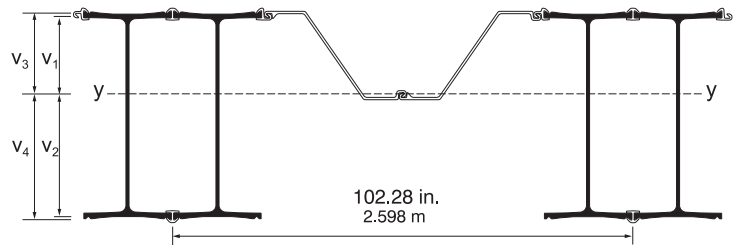


 SECTION	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 26-700			COATING AREA	
					EAZ = 60% EHZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	EAZ = 80% EHZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	EAZ = EHZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
HZ 630M	13.39 283.3	1,243.7 169,840	102.5 5,510	93.9 5,045	36.72 179	41.14 201	45.55 222	8.73 2.660	16.03 4.886
HZ 880M A	12.79 270.8	1,872.7 255,730	118.2 6,355	108.9 5,855	34.87 170	39.20 191	43.54 213	8.85 2.699	17.49 5.331
HZ 880M B	13.49 285.6	1,991.2 271,910	125.1 6,725	115.8 6,225	37.25 182	41.58 203	45.92 224	8.86 2.702	17.50 5.334
HZ 880M C	13.81 292.4	2,073.7 283,180	129.6 6,970	120.6 6,485	38.34 187	42.68 208	47.01 230	8.86 2.702	17.50 5.334
HZ 1080M A	14.52 307.3	3,350.9 457,580	162.3 8,725	152.3 8,185	40.71 199	45.06 220	49.40 241	8.84 2.695	18.92 5.768
HZ 1080M B	15.02 317.9	3,569.0 487,370	171.9 9,240	162.2 8,720	42.43 207	46.77 228	51.12 250	8.84 2.696	18.93 5.769
HZ 1080M C	15.94 337.4	3,835.7 523,790	183.7 9,875	174.3 9,375	45.56 222	49.91 244	54.25 265	8.85 2.697	18.93 5.771
HZ 1080M D	16.69 353.2	4,097.0 559,460	194.7 10,470	186.2 10,015	48.11 235	52.45 256	56.79 277	8.85 2.698	18.94 5.771
HZ 1180M A	17.28 365.8	4,293.0 586,240	202.6 10,890	195.4 10,505	50.14 245	54.48 266	58.82 287	8.85 2.699	18.94 5.772
HZ 1180M B	17.64 373.4	4,452.9 608,070	209.3 11,255	202.4 10,885	51.35 251	55.69 272	60.03 293	8.86 2.700	18.94 5.774
HZ 1180M C	18.60 393.8	4,806.3 656,330	223.6 12,020	216.0 11,610	54.20 265	58.76 287	63.31 309	8.90 2.713	19.05 5.808
HZ 1180M D	19.14 405.1	4,978.1 679,780	230.8 12,410	223.8 12,030	56.02 273	60.57 296	65.13 318	8.92 2.719	19.07 5.814

\* Referring outside of HZ®-M-flange (highest value of v<sub>1</sub>; v<sub>2</sub>), \*\* Referring outside of connector (highest value of v<sub>3</sub>; v<sub>4</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-24 / AZ 18-800

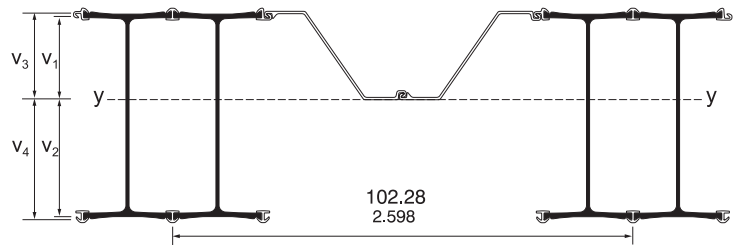


<small>JD</small> <b>FIELDS</b> <small>&amp; COMPANY, INC.</small> <small>A FIELDS COMPANY</small>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 18-800			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
SECTION									
HZ 630M	16.79 355.5	1,644.7 224,600	128.2 6,895	118.0 6,345	50.87 248	54.01 264	57.15 279	10.32 3.145	16.76 5.109
HZ 880M A	15.73 332.9	2,495.8 340,810	148.6 7,985	137.5 7,390	47.42 232	50.47 246	53.52 261	10.57 3.222	18.49 5.637
HZ 880M B	16.87 357.0	2,689.6 367,290	160.2 8,610	148.9 8,005	51.30 250	54.35 265	57.40 280	10.59 3.229	18.51 5.643
HZ 880M C	17.39 368.1	2,825.1 385,790	167.8 9,020	156.7 8,420	53.09 259	56.14 274	59.18 289	10.59 3.228	18.51 5.643
HZ 1080M A	18.56 392.8	4,656.0 635,800	215.0 11,555	202.3 10,875	57.04 278	60.10 293	63.16 308	10.54 3.214	19.92 6.070
HZ 1080M B	19.39 410.3	5,014.3 684,730	230.8 12,410	218.4 11,740	59.85 292	62.91 307	65.97 322	10.55 3.216	19.92 6.073
HZ 1080M C	20.88 442.1	5,450.3 744,280	250.5 13,470	238.3 12,810	64.96 317	68.02 332	71.07 347	10.56 3.219	19.93 6.076
HZ 1080M D	22.11 467.9	5,877.7 802,640	269.0 14,460	257.7 13,855	69.12 337	72.17 352	75.23 367	10.57 3.220	19.94 6.077
HZ 1180M A	23.08 488.4	6,198.0 846,370	282.2 15,170	272.2 14,635	72.43 354	75.48 369	78.53 383	10.57 3.222	19.94 6.079
HZ 1180M B	23.66 500.8	6,460.1 882,170	293.4 15,770	284.0 15,270	74.41 363	77.46 378	80.51 393	10.58 3.225	19.97 6.088
HZ 1180M C	24.95 528.0	6,919.2 944,860	312.7 16,810	302.3 16,255	78.69 384	81.79 399	84.90 415	10.64 3.242	20.02 6.101
HZ 1180M D	25.81 546.4	7,198.9 983,050	324.6 17,455	315.0 16,935	81.64 399	84.74 414	87.84 429	10.68 3.254	20.05 6.110

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-26 / AZ 18-800

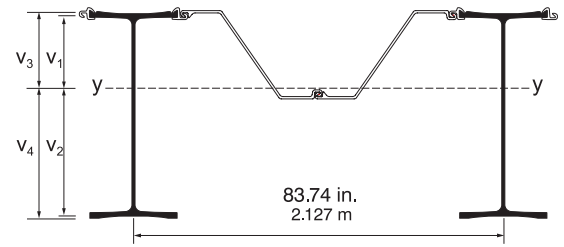



<small>JD</small> <b>FIELDS</b> <small>&amp; COMPANY, INC.</small> <small>A FIELDS COMPANY</small>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 18-800			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
SECTION									
HZ 630M	17.55 371.4	1,759.4 240,250	145.1 7,800	132.8 7,140	52.40 256	56.06 274	59.72 292	10.32 3.145	17.62 5.371
HZ 880M A	16.46 348.4	2,692.6 367,690	170.1 9,145	156.7 8,425	48.91 239	52.46 256	56.01 273	10.57 3.222	19.21 5.854
HZ 880M B	17.60 372.4	2,885.1 393,980	181.4 9,750	167.9 9,025	52.79 258	56.34 275	59.88 292	10.59 3.229	19.23 5.860
HZ 880M C	18.12 383.6	3,020.2 412,430	188.9 10,160	175.8 9,450	54.58 266	58.12 284	61.67 301	10.59 3.228	19.23 5.860
HZ 1080M A	19.29 408.4	4,986.8 680,970	241.7 12,995	226.8 12,190	58.53 286	62.10 303	65.66 321	10.54 3.214	20.63 6.288
HZ 1080M B	20.12 425.9	5,344.2 729,790	257.5 13,845	243.0 13,065	61.35 300	64.91 317	68.47 334	10.55 3.216	20.64 6.290
HZ 1080M C	21.62 457.6	5,778.4 789,080	276.9 14,885	262.8 14,130	66.46 324	70.01 342	73.57 359	10.56 3.219	20.65 6.293
HZ 1080M D	22.84 483.4	6,204.6 847,280	295.1 15,865	282.2 15,170	70.61 345	74.17 362	77.72 379	10.57 3.220	20.65 6.294
HZ 1180M A	23.81 503.9	6,523.9 890,880	308.0 16,560	296.7 15,955	73.92 361	77.47 378	81.02 396	10.57 3.222	20.65 6.296
HZ 1180M B	24.39 516.2	6,785.7 926,630	319.2 17,160	308.6 16,595	75.90 371	79.45 388	83.00 405	10.58 3.225	20.67 6.299
HZ 1180M C	25.86 547.4	7,323.8 1,000,110	342.0 18,390	330.3 17,760	80.56 393	84.29 412	88.01 430	10.64 3.242	20.79 6.337
HZ 1180M D	26.73 565.7	7,602.6 1,038,190	353.8 19,020	342.9 18,435	83.51 408	87.23 426	90.96 444	10.68 3.254	20.83 6.349

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-12 / AZ 23-800

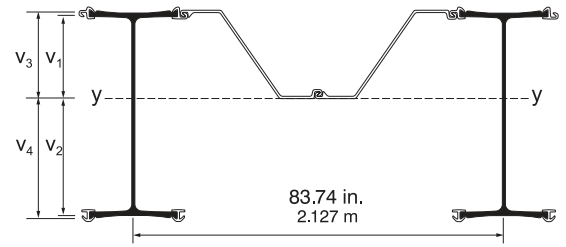


 SECTION	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 23-800			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
HZ 630M	13.35 282.6	1,190.2 162,520	88.9 4,780	99.5 5,350	36.76 179	41.10 201	45.44 222	8.84 2.694	15.22 4.639
HZ 880M A	12.75 270.0	1,717.8 234,580	97.6 5,245	111.7 6,005	34.88 170	39.14 191	43.41 212	8.97 2.733	16.83 5.130
HZ 880M B	13.46 284.9	1,840.6 251,350	105.1 5,650	118.4 6,365	37.29 182	41.55 203	45.81 224	8.98 2.736	16.84 5.131
HZ 880M C	13.78 291.7	1,924.0 262,730	109.7 5,900	123.3 6,625	38.38 187	42.64 208	46.90 229	8.98 2.736	16.83 5.131
HZ 1080M A	14.48 306.4	3,041.1 415,280	135.1 7,260	151.5 8,145	40.72 199	44.99 220	49.26 241	8.95 2.729	18.27 5.567
HZ 1080M B	14.99 317.2	3,265.1 445,870	145.0 7,795	161.7 8,695	42.46 207	46.74 228	51.01 249	8.96 2.730	18.26 5.567
HZ 1080M C	15.91 336.7	3,534.8 482,700	157.3 8,455	173.7 9,340	45.60 223	49.87 243	54.14 264	8.96 2.731	18.27 5.569
HZ 1080M D	16.66 352.5	3,798.1 518,650	168.6 9,065	185.7 9,980	48.15 235	52.42 256	56.68 277	8.96 2.732	18.27 5.569
HZ 1180M A	17.25 365.2	3,995.9 545,660	176.8 9,505	194.6 10,465	50.18 245	54.45 266	58.71 287	8.97 2.733	18.27 5.570
HZ 1180M B	17.63 373.2	4,169.5 569,370	184.5 9,920	202.3 10,875	51.48 251	55.74 272	60.01 293	8.97 2.734	18.29 5.574
HZ 1180M C	18.37 388.8	4,424.3 604,160	194.4 10,450	214.2 11,515	53.86 263	58.19 284	62.52 305	9.01 2.747	18.32 5.583
HZ 1180M D	18.96 401.3	4,624.8 631,540	203.9 10,960	222.3 11,950	55.86 273	60.19 294	64.51 315	9.03 2.753	18.33 5.588

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-14 / AZ 23-800

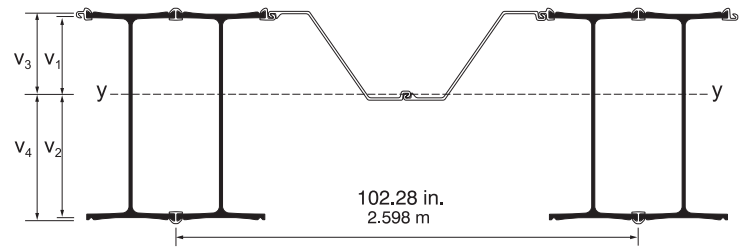


<small>JD</small> <b>FIELDS</b> <small>&amp; COMPANY, INC.</small> <small>A FIELDS COMPANY</small>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 23-800			COATING AREA	
					EAZ = 60% EHZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	EAZ = 80% EHZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	EAZ = EHZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
<b>HZ 630M</b>	14.18 300.2	1,321.9 180,510	108.9 5,855	99.7 5,365	38.35 187	43.31 211	48.27 236	8.84 2.694	16.14 4.920
<b>HZ 880M A</b>	13.58 287.4	1,949.5 266,210	123.1 6,615	113.4 6,095	36.47 178	41.34 202	46.21 226	8.97 2.733	17.60 5.365
<b>HZ 880M B</b>	14.28 302.2	2,067.8 282,380	129.9 6,985	120.3 6,465	38.85 190	43.72 213	48.58 237	8.98 2.736	17.61 5.368
<b>HZ 880M C</b>	14.60 309.0	2,150.4 293,650	134.4 7,230	125.1 6,725	39.94 195	44.81 219	49.68 243	8.98 2.736	17.61 5.368
<b>HZ 1080M A</b>	15.30 323.9	3,427.8 468,080	166.0 8,925	155.8 8,375	42.31 207	47.19 230	52.08 254	8.95 2.729	19.04 5.802
<b>HZ 1080M B</b>	15.81 334.6	3,645.9 497,860	175.6 9,440	165.7 8,910	44.03 215	48.91 239	53.79 263	8.96 2.730	19.04 5.803
<b>HZ 1080M C</b>	16.72 354.0	3,912.6 534,280	187.4 10,075	177.8 9,560	47.17 230	52.04 254	56.92 278	8.96 2.731	19.05 5.805
<b>HZ 1080M D</b>	17.47 369.8	4,173.7 569,950	198.4 10,665	189.7 10,200	49.71 243	54.59 267	59.46 290	8.96 2.732	19.05 5.806
<b>HZ 1180M A</b>	18.07 382.4	4,369.8 596,720	206.2 11,085	198.9 10,690	51.74 253	56.62 276	61.49 300	8.97 2.733	19.05 5.806
<b>HZ 1180M B</b>	18.42 390.0	4,529.7 618,550	212.9 11,450	205.9 11,070	52.95 259	57.82 282	62.70 306	8.97 2.734	19.05 5.808
<b>HZ 1180M C</b>	19.39 410.4	4,883.0 666,800	227.2 12,215	219.4 11,795	55.80 272	60.89 297	65.98 322	9.01 2.747	19.17 5.842
<b>HZ 1180M D</b>	19.92 421.6	5,054.7 690,250	234.4 12,600	227.2 12,215	57.61 281	62.70 306	67.79 331	9.03 2.753	19.19 5.848

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-24 / AZ 23-800

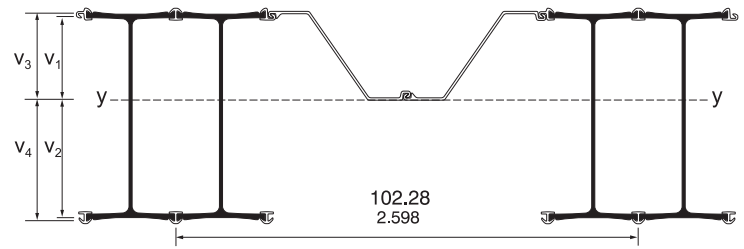


<small>JD</small> <b>FIELDS</b> <small>&amp; COMPANY, INC.</small> <small>A FIELDS COMPANY</small>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 23-800			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
SECTION									
HZ 630M	17.46 369.5	1,709.4 233,430	133.3 7,165	122.6 6,590	52.22 255	55.81 272	59.40 290	10.43 3.179	16.87 5.143
HZ 880M A	16.37 346.5	2,558.6 349,390	152.3 8,190	140.9 7,575	48.73 238	52.22 255	55.71 272	10.68 3.256	18.61 5.671
HZ 880M B	17.51 370.5	2,752.4 375,850	163.9 8,815	152.3 8,190	52.61 257	56.09 274	59.58 291	10.70 3.263	18.63 5.677
HZ 880M C	18.03 381.7	2,887.8 394,350	171.5 9,220	160.1 8,610	54.40 266	57.88 283	61.36 300	10.70 3.262	18.62 5.677
HZ 1080M A	19.20 406.5	4,719.0 644,410	217.9 11,715	205.0 11,025	58.35 285	61.85 302	65.35 319	10.66 3.248	20.03 6.105
HZ 1080M B	20.03 423.9	5,077.3 693,340	233.7 12,565	221.1 11,890	61.16 299	64.66 316	68.16 333	10.66 3.250	20.04 6.107
HZ 1080M C	21.53 455.7	5,513.2 752,870	253.4 13,625	241.0 12,960	66.27 324	69.77 341	73.26 358	10.67 3.253	20.05 6.110
HZ 1080M D	22.75 481.5	5,940.6 811,230	271.9 14,615	260.4 14,000	70.43 344	73.92 361	77.41 378	10.68 3.255	20.05 6.111
HZ 1180M A	23.72 502.0	6,260.8 854,950	285.0 15,325	275.0 14,785	73.74 360	77.23 377	80.71 394	10.68 3.256	20.05 6.113
HZ 1180M B	24.30 514.3	6,522.9 890,740	296.2 15,925	286.8 15,420	75.72 370	79.21 387	82.69 404	10.69 3.259	20.08 6.122
HZ 1180M C	25.59 541.6	6,981.9 953,420	315.5 16,965	305.0 16,400	80.00 391	83.54 408	87.08 425	10.75 3.276	20.13 6.135
HZ 1180M D	26.45 559.9	7,261.6 991,610	327.5 17,605	317.7 17,080	82.95 405	86.49 422	90.02 440	10.79 3.289	20.16 6.144

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-26 / AZ 23-800



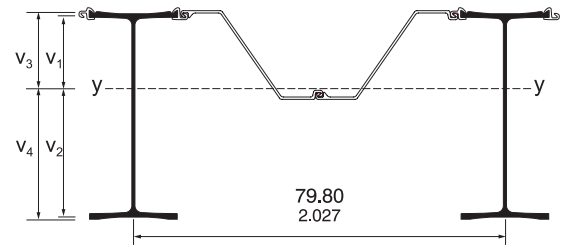
<small>JD</small> <b>FIELDS</b> <small>&amp; COMPANY, INC.</small> <small>A FIELDS COMPANY</small>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 23-800			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
SECTION									
HZ 630M	18.21 385.4	1,824.1 249,090	150.4 8,085	137.7 7,405	53.75 262	57.86 283	61.97 303	10.43 3.179	17.73 5.405
HZ 880M A	17.10 362.0	2,755.4 376,270	174.1 9,360	160.3 8,620	50.22 245	54.21 265	58.19 284	10.68 3.256	19.32 5.888
HZ 880M B	18.24 386.0	2,947.9 402,550	185.3 9,965	171.5 9,225	54.10 264	58.08 284	62.06 303	10.70 3.263	19.34 5.894
HZ 880M C	18.76 397.1	3,082.9 420,990	192.9 10,370	179.4 9,645	55.89 273	59.87 292	63.85 312	10.70 3.262	19.34 5.894
HZ 1080M A	19.94 422.0	5,049.8 689,580	244.7 13,155	229.6 12,345	59.85 292	63.85 312	67.85 331	10.66 3.248	20.74 6.322
HZ 1080M B	20.76 439.5	5,407.2 738,390	260.6 14,010	245.9 13,220	62.66 306	66.66 325	70.66 345	10.66 3.250	20.75 6.324
HZ 1080M C	22.26 471.2	5,841.3 797,670	279.9 15,050	265.7 14,285	67.77 331	71.76 350	75.75 370	10.67 3.253	20.76 6.327
HZ 1080M D	23.48 497.0	6,267.5 855,860	298.1 16,025	285.1 15,325	71.92 351	75.91 371	79.90 390	10.68 3.255	20.76 6.328
HZ 1180M A	24.45 517.5	6,586.7 899,460	311.0 16,720	299.6 16,105	75.23 367	79.22 387	83.20 406	10.68 3.256	20.77 6.330
HZ 1180M B	25.03 529.8	6,848.5 935,210	322.1 17,320	311.5 16,745	77.21 377	81.20 396	85.18 416	10.69 3.259	20.78 6.333
HZ 1180M C	26.50 561.0	7,386.5 1,008,670	344.9 18,545	333.1 17,910	81.87 400	86.03 420	90.19 440	10.75 3.276	20.90 6.371
HZ 1180M D	27.37 579.3	7,665.3 1,046,740	356.7 19,180	345.8 18,590	84.82 414	88.98 434	93.14 455	10.79 3.289	20.94 6.383


\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.



# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-12 / AZ 28-750

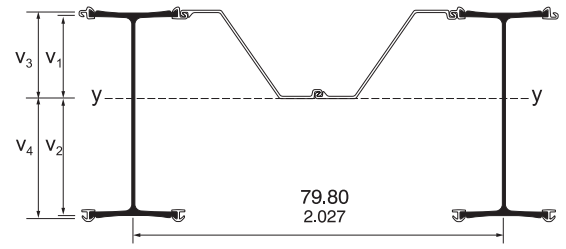


 <b>SECTIONS</b>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 28-750			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
<b>HZ 630M</b>	14.40 304.8	1,319.5 180,190	98.5 5,295	110.3 5,930	39.37 192	44.19 216	49.00 239	8.84 2.693	15.22 4.638
<b>HZ 880M A</b>	13.75 291.1	1,870.8 255,460	106.2 5,710	121.7 6,540	37.35 182	42.08 205	46.80 229	8.96 2.732	16.83 5.128
<b>HZ 880M B</b>	14.49 306.7	1,999.5 273,040	114.2 6,135	128.6 6,915	39.88 195	44.60 218	49.31 241	8.97 2.735	16.83 5.130
<b>HZ 880M C</b>	14.83 313.8	2,086.9 284,980	119.0 6,400	133.7 7,190	41.02 200	45.74 223	50.46 246	8.97 2.735	16.83 5.130
<b>HZ 1080M A</b>	15.56 329.4	3,259.8 445,140	144.8 7,785	162.4 8,730	43.49 212	48.22 235	52.95 259	8.95 2.728	18.26 5.566
<b>HZ 1080M B</b>	16.10 340.7	3,494.8 477,230	155.2 8,345	173.1 9,305	45.32 221	50.05 244	54.78 267	8.95 2.729	18.26 5.566
<b>HZ 1080M C</b>	17.06 361.1	3,777.6 515,860	168.1 9,035	185.7 9,980	48.61 237	53.33 260	58.06 283	8.96 2.730	18.27 5.567
<b>HZ 1080M D</b>	17.85 377.7	4,053.7 553,560	180.0 9,675	198.2 10,655	51.28 250	56.00 273	60.73 297	8.96 2.731	18.27 5.568
<b>HZ 1180M A</b>	18.47 390.9	4,261.2 581,890	188.5 10,135	207.5 11,155	53.41 261	58.13 284	62.86 307	8.96 2.732	18.27 5.569
<b>HZ 1180M B</b>	18.87 399.4	4,443.3 606,760	196.6 10,570	215.5 11,590	54.77 267	59.49 290	64.22 314	8.97 2.733	18.28 5.573
<b>HZ 1180M C</b>	19.64 415.8	4,710.6 643,260	207.0 11,130	228.0 12,260	57.27 280	62.06 303	66.85 326	9.01 2.746	18.31 5.582
<b>HZ 1180M D</b>	20.26 428.8	4,920.8 671,960	216.9 11,665	236.5 12,715	59.36 290	64.15 313	68.94 337	9.03 2.752	18.33 5.587

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-14 / AZ 28-750

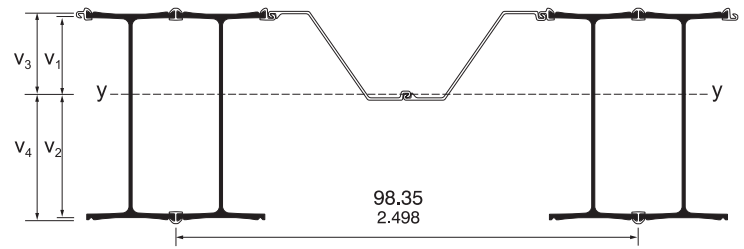


<small>JD</small> <b>FIELDS</b> <small>&amp; COMPANY, INC.</small> <small>A FIELDS COMPANY</small>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 28-750			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
SECTION									
HZ 630M	15.27 323.2	1,457.8 199,080	120.1 6,460	110.0 5,915	41.04 200	46.51 227	51.97 254	8.84 2.693	16.14 4.919
HZ 880M A	14.62 309.4	2,113.8 288,660	133.4 7,175	122.9 6,610	39.02 190	44.38 217	49.74 243	8.96 2.732	17.60 5.364
HZ 880M B	15.35 324.8	2,237.9 305,600	140.6 7,560	130.1 6,995	41.51 203	46.87 229	52.23 255	8.97 2.735	17.61 5.367
HZ 880M C	15.68 332.0	2,324.5 317,430	145.3 7,815	135.2 7,270	42.66 208	48.02 234	53.37 261	8.97 2.735	17.61 5.367
HZ 1080M A	16.43 347.7	3,665.5 500,550	177.5 9,545	166.6 8,955	45.16 220	50.53 247	55.90 273	8.95 2.728	19.03 5.801
HZ 1080M B	16.96 358.9	3,894.4 531,800	187.5 10,085	177.0 9,515	46.96 229	52.33 256	57.70 282	8.95 2.729	19.04 5.802
HZ 1080M C	17.92 379.3	4,174.0 569,980	199.9 10,745	189.7 10,200	50.25 245	55.61 272	60.98 298	8.96 2.730	19.04 5.804
HZ 1080M D	18.70 395.9	4,447.9 607,390	211.4 11,365	202.2 10,870	52.92 258	58.28 285	63.65 311	8.96 2.731	19.04 5.804
HZ 1180M A	19.33 409.1	4,653.5 635,460	219.6 11,805	211.8 11,385	55.05 269	60.41 295	65.77 321	8.96 2.732	19.05 5.805
HZ 1180M B	19.70 417.0	4,821.3 658,370	226.7 12,185	219.2 11,785	56.32 275	61.68 301	67.04 327	8.97 2.733	19.05 5.807
HZ 1180M C	20.71 438.4	5,191.9 708,980	241.6 12,985	233.3 12,545	59.30 290	64.89 317	70.48 344	9.01 2.746	19.16 5.841
HZ 1180M D	21.27 450.2	5,371.9 733,570	249.1 13,390	241.5 12,980	61.20 299	66.79 326	72.38 353	9.03 2.752	19.18 5.847

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-24 / AZ 28-750

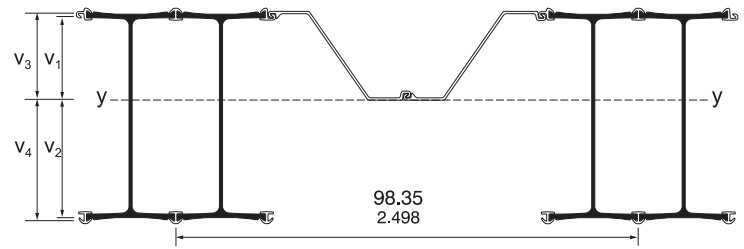



<small>JD</small> <b>FIELDS</b> <small>&amp; COMPANY, INC.</small> <small>A FIELDS COMPANY</small>	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 28-750			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
SECTION									
HZ 630M	18.48 391.2	1,837.0 250,860	143.2 7,700	131.8 7,085	55.00 269	58.95 288	62.90 307	10.43 3.178	16.87 5.142
HZ 880M A	17.32 366.6	2,716.3 370,930	161.7 8,695	149.6 8,045	51.29 250	55.12 269	58.95 288	10.68 3.255	18.60 5.670
HZ 880M B	18.50 391.7	2,917.5 398,410	173.8 9,340	161.5 8,680	55.32 270	59.14 289	62.97 307	10.70 3.262	18.62 5.676
HZ 880M C	19.05 403.2	3,058.4 417,650	181.7 9,765	169.6 9,120	57.18 279	61.00 298	64.83 317	10.70 3.261	18.62 5.676
HZ 1080M A	20.27 429.1	4,963.9 677,850	229.2 12,320	215.7 11,595	61.30 299	65.15 318	68.99 337	10.65 3.247	20.02 6.103
HZ 1080M B	21.13 447.3	5,336.6 728,740	245.7 13,205	232.4 12,495	64.23 314	68.07 332	71.92 351	10.66 3.249	20.03 6.106
HZ 1080M C	22.69 480.2	5,789.6 790,600	266.1 14,310	253.1 13,610	69.54 340	73.38 358	77.21 377	10.67 3.252	20.04 6.109
HZ 1080M D	23.96 507.1	6,233.8 851,270	285.3 15,340	273.3 14,690	73.86 361	77.69 379	81.53 398	10.67 3.253	20.05 6.110
HZ 1180M A	24.96 528.4	6,566.6 896,710	298.9 16,075	288.4 15,505	77.30 377	81.13 396	84.96 415	10.68 3.255	20.05 6.112
HZ 1180M B	25.57 541.2	6,839.2 933,930	310.6 16,700	300.7 16,165	79.35 387	83.19 406	87.02 425	10.69 3.258	20.08 6.121
HZ 1180M C	26.91 569.5	7,316.0 999,040	330.6 17,775	319.6 17,185	83.80 409	87.68 428	91.57 447	10.75 3.275	20.12 6.134
HZ 1180M D	27.81 588.6	7,606.6 1,038,720	343.0 18,440	332.8 17,895	86.87 424	90.75 443	94.63 462	10.79 3.287	20.15 6.143

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination HZ...M-26 / AZ 28-750

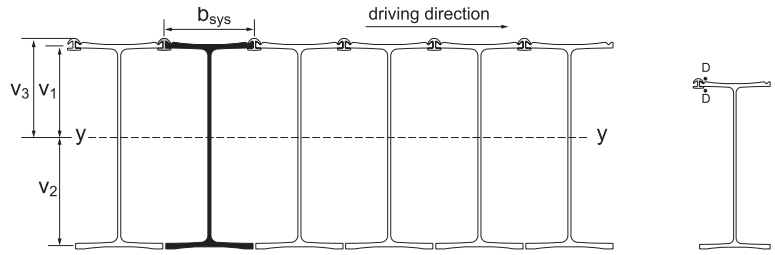


 SECTION	PROPERTIES PER FOOT OF WALL				MASS OF COMBINATION WITH INTERMEDIARY SECTION				
	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	*** AZ 28-750			COATING AREA	
					£AZ = 60% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = 80% £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	£AZ = £HZ lb/ft <sup>2</sup> kg/m <sup>2</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
<b>HZ 630M</b>	19.27 407.8	1,956.4 267,160	161.3 8,670	147.7 7,940	56.60 276	61.09 298	65.57 320	10.43 3.178	17.73 5.404
<b>HZ 880M A</b>	18.08 382.7	2,921.0 398,880	184.5 9,920	170.0 9,140	52.84 258	57.19 279	61.54 300	10.68 3.255	19.31 5.887
<b>HZ 880M B</b>	19.26 407.7	3,120.9 426,170	196.2 10,550	181.6 9,765	56.87 278	61.21 299	65.55 320	10.70 3.262	19.34 5.893
<b>HZ 880M C</b>	19.81 419.3	3,261.3 445,360	204.0 10,970	189.8 10,205	58.73 287	63.07 308	67.41 329	10.70 3.261	19.33 5.893
<b>HZ 1080M A</b>	21.04 445.3	5,308.0 724,830	257.2 13,830	241.4 12,980	62.86 307	67.22 328	71.59 350	10.65 3.247	20.74 6.321
<b>HZ 1080M B</b>	21.90 463.5	5,679.7 775,600	273.7 14,715	258.3 13,885	65.79 321	70.15 343	74.51 364	10.66 3.249	20.74 6.323
<b>HZ 1080M C</b>	23.45 496.4	6,130.8 837,200	293.8 15,795	278.8 14,990	71.09 347	75.45 368	79.81 390	10.67 3.252	20.75 6.326
<b>HZ 1080M D</b>	24.72 523.2	6,573.8 897,690	312.7 16,810	299.0 16,075	75.41 368	79.77 389	84.12 411	10.67 3.253	20.76 6.327
<b>HZ 1180M A</b>	25.73 544.5	6,905.6 943,000	326.0 17,530	314.1 16,885	78.85 385	83.20 406	87.55 427	10.68 3.255	20.76 6.329
<b>HZ 1180M B</b>	26.33 557.3	7,177.8 980,180	337.6 18,150	326.5 17,555	80.91 395	85.26 416	89.61 438	10.69 3.258	20.77 6.332
<b>HZ 1180M C</b>	27.86 589.7	7,736.8 1,056,500	361.3 19,425	348.9 18,760	85.75 419	90.28 441	94.81 463	10.75 3.275	20.90 6.370
<b>HZ 1180M D</b>	28.76 608.7	8,026.4 1,096,060	373.5 20,080	362.0 19,465	88.81 434	93.34 456	97.87 478	10.79 3.287	20.94 6.382

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>), \*\* Referring outside of connector (v<sub>3</sub>), \*\*\* Length of connectors = Length of AZ.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination C 1



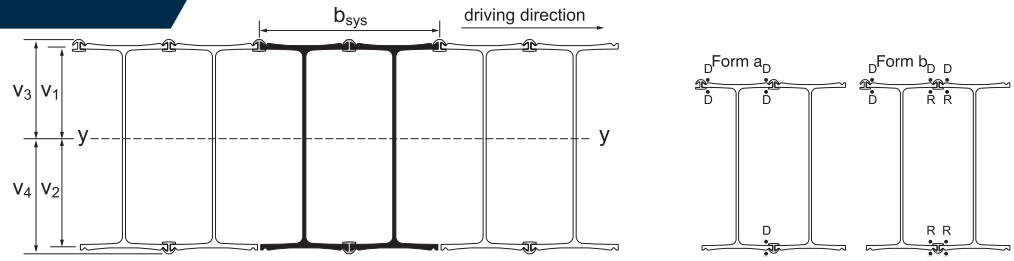
D = discontinuous weld, a = 0.236" (6 mm), 10% of length (3.94" per 3.28', 100 mm/m) over the whole pile length + 19.68" (500 mm) continuous weld at top and toe

FIELD'S & COMPANY, INC. SECTION	DIMENSIONS					PROPERTIES PER FOOT OF WALL					COATING AREA	
	b <sub>sys</sub> in mm	v <sub>1</sub> in mm	v <sub>2</sub> in mm	v <sub>3</sub> in mm	v <sub>4</sub> in mm	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Mass in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
HZ 630M	17.09 0.434	11.52 292.6	12.72 323.2	12.63 320.9	-	35.78 757.3	121.77 594.5	3971.6 542,340	312.1 16780	314.3 16900	1.68 0.513	8.20 2.500
HZ 880M A	18.70 0.475	14.96 379.9	16.67 423.5	16.31 414.3	-	31.28 662.1	106.46 519.8	5939.0 811,010	356.2 19150	364.1 19575	1.81 0.551	9.85 3.001
HZ 880M B	18.70 0.475	15.13 384.3	16.66 423.1	16.41 416.7	-	34.37 727.6	116.98 571.1	6464.9 882,820	388.1 20865	394.0 21185	1.82 0.554	9.85 3.003
HZ 880M C	18.70 0.475	15.24 387.1	16.71 424.3	16.44 417.5	-	35.81 758.1	121.88 595.1	6836.8 933,600	409.2 22000	415.9 22360	1.82 0.554	9.85 3.002
HZ 1080M A	18.50 0.470	19.72 500.8	21.52 546.6	21.07 535.2	-	39.25 830.8	133.58 652.2	11646.2 1,590,360	541.2 29095	552.7 29715	1.79 0.547	11.28 3.439
HZ 1080M B	18.50 0.470	19.90 505.5	21.57 547.9	21.14 536.9	-	41.58 880.0	141.49 690.8	12654.9 1,728,110	586.6 31540	598.6 32185	1.80 0.548	11.28 3.438
HZ 1080M C	18.50 0.470	20.10 510.5	21.61 548.9	21.22 538.9	-	45.62 965.7	155.26 758.0	13825.6 1,887,970	639.7 34395	651.7 35035	1.80 0.549	11.29 3.440
HZ 1080M D	18.50 0.470	20.31 515.8	21.72 551.6	21.27 540.2	-	48.93 1035.8	166.53 813.1	14985.9 2,046,410	690.1 37100	704.6 37880	1.80 0.550	11.29 3.440
HZ 1180M A	18.70 0.475	20.50 520.8	21.84 554.6	21.31 541.2	-	51.55 1091.2	175.45 856.6	15849.3 2,164,320	725.9 39025	743.8 39990	1.81 0.551	11.29 3.441
HZ 1180M B	18.70 0.475	20.65 524.5	21.85 554.9	21.37 542.9	-	53.27 1127.6	181.29 885.2	16625.5 2,270,310	760.9 40910	777.9 41820	1.82 0.553	11.31 3.447
HZ 1180M C	18.70 0.475	20.58 522.7	22.07 560.7	21.34 542.0	-	56.34 1192.6	191.75 936.2	17709.1 2,418,290	802.2 43130	829.8 44615	1.83 0.558	11.37 3.465
HZ 1180M D	18.70 0.475	20.78 527.8	22.03 559.6	21.46 545.1	-	58.89 1246.5	200.40 978.5	18567.9 2,535,560	842.8 45310	865.2 46515	1.85 0.564	11.39 3.472

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>). \*\* Referring outside of connector (v<sub>3</sub>).

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Combination C 23

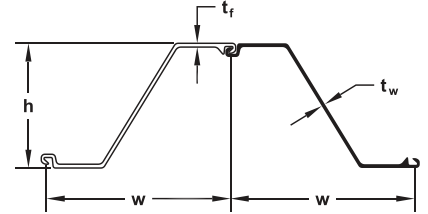


D = discontinuous weld, a = 0.236" (6 mm), 10% of length (3.94" per 3.28', 100 mm/m) over the whole pile length + 19.68" (500 mm) continuous weld at top and toe  
 R = continuous weld, a = 0.236" (6 mm), length 19.68" (500 mm) at top and toe only

SECTION	DIMENSIONS					PROPERTIES PER FOOT OF WALL					COATING AREA	
	b <sub>sys</sub> in mm	v <sub>1</sub> in mm	v <sub>2</sub> in mm	v <sub>3</sub> in mm	v <sub>4</sub> in mm	Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	Mass in <sup>2</sup> /ft cm <sup>2</sup> /m	Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	*Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	**Elastic Section Modulus in <sup>3</sup> /ft cm <sup>3</sup> /m	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
HZ 630M	34.17 0.868	11.76 298.7	12.48 317.0	12.88 327.1	13.59 345.3	36.50 772.5	124.21 606.4	4080.4 557,210	327.0 17580	300.1 16135	3.27 0.998	9.82 2.992
HZ 880M A	37.40 0.950	15.31 389.0	16.32 414.4	16.67 423.4	17.67 448.9	31.97 676.7	108.81 531.2	6126.0 836,540	375.4 20185	346.6 18635	3.53 1.074	11.62 3.542
HZ 880M B	37.40 0.950	15.44 392.1	16.35 415.3	16.72 424.6	17.63 447.7	35.03 741.5	119.21 582.0	6641.1 906,880	406.2 21840	376.7 20255	3.55 1.081	11.64 3.549
HZ 880M C	37.40 0.950	15.54 394.6	16.41 416.8	16.73 425.1	17.61 447.3	36.47 772.0	124.12 606.0	7012.4 957,590	427.3 22975	398.2 21410	3.54 1.080	11.64 3.548
HZ 1080M A	37.01 0.940	20.09 510.3	21.14 537.1	21.45 544.8	22.50 571.5	39.95 845.7	135.97 663.8	11964.3 1,633,800	565.8 30420	531.8 28590	3.50 1.066	13.04 3.976
HZ 1080M B	37.01 0.940	20.24 514.1	21.23 539.3	21.48 545.5	22.47 570.8	42.24 894.1	143.75 701.9	12954.8 1,769,060	610.1 32800	576.5 30995	3.51 1.068	13.05 3.978
HZ 1080M C	37.01 0.940	20.40 518.2	21.31 541.2	21.52 546.6	22.43 569.6	46.28 979.7	157.51 769.1	14122.5 1,928,510	662.8 35635	629.7 33855	3.52 1.072	13.06 3.981
HZ 1080M D	37.01 0.940	20.59 523.0	21.43 544.4	21.55 547.4	22.39 568.8	49.60 1049.8	168.79 824.1	15280.9 2,086,700	712.9 38330	682.3 36685	3.52 1.073	13.07 3.982
HZ 1180M A	37.40 0.950	20.77 527.6	21.57 547.8	21.57 548.0	22.37 568.3	52.21 1105.1	177.69 867.5	16141.6 2,204,240	748.4 40235	721.5 38790	3.52 1.074	13.07 3.984
HZ 1180M B	37.40 0.950	20.86 529.9	21.64 549.5	21.59 548.3	22.36 568.0	53.81 1139.1	183.14 894.2	16862.8 2,302,720	779.4 41905	754.1 40545	3.54 1.078	13.11 3.995
HZ 1180M C	37.40 0.950	20.87 530.2	21.78 553.2	21.63 549.5	22.54 572.5	57.14 1209.4	194.45 949.4	18058.9 2,466,050	829.1 44575	801.2 43075	3.57 1.087	13.18 4.017
HZ 1180M D	37.40 0.950	20.97 532.7	21.84 554.8	21.65 549.9	22.52 572.0	59.44 1258.2	202.29 987.7	18800.1 2,567,270	860.8 46280	834.8 44880	3.61 1.099	13.21 4.025

\* Referring outside of HZ<sup>®</sup>-M-flange (v<sub>2</sub>). \*\* Referring outside of connector (v<sub>3</sub>).

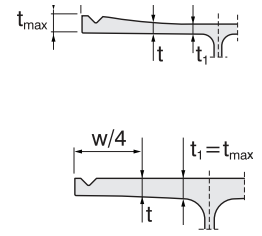
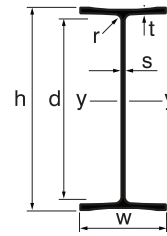
## AZ - Intermediary Piles




SECTION	Width (w) in mm	Height (h) in mm	THICKNESS		Cross Sectional Area in <sup>2</sup> /ft cm <sup>2</sup> /m	WEIGHT		SECTION MODULUS		Moment of Inertia in <sup>4</sup> /ft cm <sup>4</sup> /m	COATING AREA	
			Flange (t <sub>f</sub> ) in mm	Web (t <sub>w</sub> ) in mm		Single Pile lb/ft kg/m	Wall Area lb/ft <sup>2</sup> kg/m <sup>2</sup>	Elastic in <sup>3</sup> /ft cm <sup>3</sup> /m	Plastic in <sup>3</sup> /ft cm <sup>3</sup> /m		Both Sides ft <sup>2</sup> /of single m <sup>2</sup> /m <sup>2</sup>	Wall Surface ft <sup>2</sup> /ft m <sup>2</sup> /m <sup>2</sup>
AZ 12-770	30.31 770	13.52 344	0.335 8.5	0.335 8.5	5.67 120.1	48.78 72.6	19.31 94.3	23.2 1245	27.5 1480	156.9 21430	6.07 1.85	1.20 1.20
AZ 13-770	30.31 770	13.54 344	0.354 9.0	0.354 9.0	5.94 125.8	51.14 76.1	20.24 98.8	24.2 1300	28.8 1546	163.7 22360	6.07 1.85	1.20 1.20
AZ 14-770	30.31 770	13.56 345	0.375 9.5	0.375 9.5	6.21 131.5	53.42 79.5	21.14 103.2	25.2 1355	30.0 1611	170.6 23300	6.07 1.85	1.20 1.20
AZ 17-700	27.56 700	16.52 420	0.335 8.5	0.335 8.5	6.28 133.0	49.12 73.1	21.38 104.4	32.2 1730	37.7 2027	265.3 36230	6.10 1.86	1.33 1.33
AZ 18-700	27.56 700	16.54 420	0.354 9.0	0.354 9.0	6.58 139.2	51.41 76.5	22.39 109.3	33.5 1800	39.4 2116	276.8 37800	6.10 1.86	1.33 1.33
AZ 19-700	27.56 700	16.56 421	0.375 9.5	0.375 9.5	6.88 145.6	53.76 80.0	23.35 114.3	34.8 1870	41.0 2206	288.4 39380	6.10 1.86	1.33 1.33
AZ 20-700	27.56 700	16.57 421	0.394 10.0	0.394 10.0	7.18 152.0	56.11 83.5	24.43 119.3	36.2 1945	42.7 2296	300.0 40960	6.10 1.86	1.33 1.33
AZ 18-800	31.5 800	17.68 449	0.335 8.5	0.335 8.5	6.07 128.6	54.26 80.7	20.67 100.9	34.2 1840	39.7 2135	302.6 41320	6.82 2.08	1.30 1.30
AZ 20-800	31.5 800	17.72 450	0.375 9.5	0.375 9.5	6.66 141.0	59.50 88.6	22.67 110.7	37.2 2000	43.3 2330	329.9 45050	6.82 2.08	1.30 1.30
AZ 22-800	31.5 800	17.76 451	0.413 10.5	0.413 10.5	7.25 153.5	64.77 96.4	24.68 120.5	40.3 2165	47.0 2525	357.3 48790	6.82 2.08	1.30 1.30
AZ 23-800	31.50 800	18.66 474	0.453 11.5	0.354 9.0	7.12 150.6	63.56 94.6	24.22 118.2	43.3 2330	49.9 2680	404.6 55260	6.94 2.11	1.32 1.32
AZ 25-800	31.50 800	18.70 475	0.492 12.5	0.394 10.0	7.71 163.3	68.91 102.6	26.26 128.2	46.5 2500	53.8 2890	435.1 59410	6.94 2.11	1.32 1.32
AZ 27-800	31.50 800	18.74 476	0.531 13.5	0.433 11.0	8.31 176.0	74.26 110.5	28.29 138.1	49.7 2670	57.6 3100	465.5 63570	6.94 2.11	1.32 1.32
AZ 24-700	27.56 700	18.07 459	0.441 11.2	0.441 11.2	8.23 174.1	64.30 95.7	28.00 136.7	45.2 2430	53.5 2867	408.8 55820	6.33 1.93	1.38 1.38
AZ 26-700	27.56 700	18.11 460	0.480 12.2	0.480 12.2	8.84 187.2	69.12 102.9	30.10 146.9	48.4 2600	57.1 3070	437.3 59720	6.33 1.93	1.38 1.38
AZ 28-700	27.56 700	18.15 461	0.520 13.2	0.520 13.2	9.46 200.2	73.93 110.0	32.19 157.2	51.3 2760	60.9 3273	465.9 63620	6.33 1.93	1.38 1.38
AZ 28-750	29.53 750.0	20.04 509.0	0.472 12.00	0.394 10.00	8.09 171.2	67.73 100.80	27.53 134.40	52.3 2810	60.3 3245	523.9 71540	6.93 2.11	1.41 1.41
AZ 30-750	29.53 750.0	20.08 510.0	0.512 13.00	0.433 11.00	8.73 184.7	73.08 108.80	29.70 145.00	55.9 3005	64.8 3485	561.5 76670	6.93 2.11	1.41 1.41
AZ 32-750	29.53 750.0	20.12 511.0	0.551 14.00	0.472 12.00	9.37 198.3	78.44 116.70	31.88 155.60	59.5 3200	69.2 3720	599.0 81800	6.93 2.11	1.41 1.41
AZ 36-700N	27.56 700	19.65 499	0.591 15.0	0.441 11.2	10.20 215.9	79.72 118.6	34.71 169.5	66.8 3590	76.4 4110	656.2 89610	6.73 2.05	1.47 1.47
AZ 38-700N	27.56 700	19.69 500	0.630 16.0	0.480 12.2	10.87 230.0	84.94 126.4	36.98 180.6	70.6 3795	81.1 4360	694.5 94840	6.73 2.05	1.47 1.47
AZ 40-700N	27.56 700	19.72 501	0.669 17.0	0.520 13.2	11.54 244.2	90.16 134.2	39.26 191.7	74.3 3995	85.7 4605	732.9 100080	6.73 2.05	1.47 1.47
AZ 42-700N	27.56 700	19.65 499	0.709 18.0	0.551 14.0	12.22 258.7	95.51 142.1	41.59 203.1	78.2 4205	90.3 4855	768.4 104930	6.75 2.06	1.47 1.47
AZ 44-700N	27.56 700	19.69 500	0.748 19.0	0.591 15.0	12.89 272.8	100.74 149.9	43.87 214.2	81.9 4405	95.0 5105	806.6 110150	6.75 2.06	1.47 1.47
AZ 46-700N	27.56 700	19.72 501	0.787 20.0	0.630 16.0	13.56 287.0	105.97 157.7	46.14 225.3	85.7 4605	99.5 5350	844.9 115370	6.75 2.06	1.47 1.47
AZ 48-700	27.56 700.0	19.80 503.0	0.866 22.00	0.591 15.00	13.63 288.4	106.49 158.50	46.37 226.40	88.4 4755	102.1 5490	876.2 119650	6.70 2.04	1.46 1.46
AZ 50-700	27.56 700.0	19.84 504.0	0.906 23.00	0.630 16.00	14.30 302.6	111.73 166.30	48.65 237.50	92.2 4955	106.7 5735	914.6 124890	6.70 2.04	1.46 1.46
AZ 52-700	27.56 700.0	19.88 505.0	0.945 24.00	0.669 17.00	14.97 317.0	116.97 174.10	50.93 248.70	95.9 5155	111.3 5985	953.0 130140	6.70 2.04	1.46 1.46

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## HZ<sup>®</sup>-M - King Pile

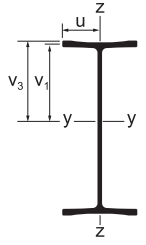


 SECTION	DIMENSIONS									Suitable Connector	
	h	h <sub>1</sub>	d	w	t <sub>1</sub>	t <sub>max</sub>	t	s	r		
	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm		
HZ 630M	24.86 631.4	24.24 615.7	20.08 510.1	16.54 420.0	0.89 22.7	1.14 29.0	0.67 16.9	0.63 16.0	1.18 30.0	RZD/RZU 16	RH 16
HZ 880M A	32.73 831.3	31.63 803.4	28.72 729.4	18.03 458.0	0.67 17.0	1.14 29.0	0.74 18.9	0.51 13.0	0.79 20.0	RZD/RZU 16	RH 16
HZ 880M B	32.73 831.3	31.79 807.4	28.72 729.4	18.11 460.0	0.75 19.0	1.14 29.0	0.82 20.9	0.59 15.0	0.79 20.0	RZD/RZU 16	RH 16
HZ 880M C	32.73 831.3	31.94 811.4	28.72 729.4	18.11 460.0	0.83 21.0	1.14 29.0	0.90 22.9	0.59 15.0	0.79 20.0	RZD/RZU 16	RH 16
HZ 1080M A	42.33 1075.3	41.24 1047.4	37.23 945.6	17.87 454.0	0.81 20.7	1.14 29.0	0.77 19.6	0.63 16.0	1.18 30.0	RZD/RZU 16	RH 16
HZ 1080M B	42.33 1075.3	41.47 1053.4	37.23 945.6	17.87 454.0	0.93 23.7	1.14 29.0	0.89 22.6	0.63 16.0	1.18 30.0	RZD/RZU 16	RH 16
HZ 1080M C	42.33 1075.3	41.71 1059.4	37.23 945.6	17.95 456.0	1.05 26.7	1.14 29.0	1.01 25.7	0.71 18.0	1.18 30.0	RZD/RZU 16	RH 16
HZ 1080M D	42.33 1075.3	42.02 1067.4	37.23 945.6	17.99 457.0	1.21 30.7	1.21 30.7	1.17 29.7	0.75 19.0	1.18 30.0	RZD/RZU 16	RH 16
HZ 1180M A	42.34 1075.4	-	37.23 945.6	18.03 458.0	1.37 34.7	1.36 34.7	1.22 31.0	0.79 20.0	1.18 30.0	RZD/RZU 16	RH 16
HZ 1180M B	42.50 1079.4	-	37.23 945.6	18.03 458.0	1.44 36.7	1.44 36.7	1.30 33.0	0.79 20.0	1.18 30.0	RZD/RZU 16	RH 16
HZ 1180M C	42.65 1083.4	-	37.23 945.6	18.07 459.0	1.52 38.7	1.52 38.7	1.38 35.0	0.83 21.0	1.18 30.0	RZD/RZU 18	RH 20
HZ 1180M D	42.81 1087.4	-	37.23 945.6	18.11 460.0	1.60 40.7	1.60 40.7	1.46 37.0	0.87 22.0	1.18 30.0	RZD/RZU 18	RH 20



# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Solution 100

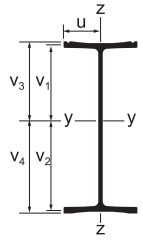


SECTION	PROPERTIES PER SOLUTION													Coating Area	
	Dimensions					Sectional Area in <sup>2</sup> cm <sup>2</sup>	Mass lb/ft kg/m	Moment of Inertia		Elastic Section Modulus			Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m	
	v <sub>1</sub> in mm	v <sub>2</sub> in mm	v <sub>3</sub> in mm	v <sub>4</sub> in mm	u in mm			y-y in <sup>4</sup> cm <sup>4</sup>	z-z in <sup>4</sup> cm <sup>4</sup>	y-y* in <sup>3</sup> cm <sup>3</sup>	y-y** in <sup>3</sup> cm <sup>3</sup>	z-z in <sup>3</sup> cm <sup>3</sup>			
HZ 630M	12.12 307.9	-	12.43 315.7	-	8.27 210.0	48.37 312.0	164.59 244.9	5306.2 220,860	822.2 34,220	437.7 7,175	-	99.4 1,630	1.38 0.421	7.97 2.430	
HZ 880M A	15.82 401.7	-	16.36 415.7	-	9.02 229.0	45.82 295.6	155.92 232.0	8571.4 356,770	960.8 39,990	542.0 8,880	-	106.6 1,745	1.51 0.459	9.73 2.966	
HZ 880M B	15.89 403.7	-	16.36 415.7	-	9.06 230.0	50.87 328.2	173.13 257.6	9435.7 392,750	1027.5 42,770	593.7 9,730	-	113.5 1,860	1.51 0.461	9.74 2.967	
HZ 880M C	15.97 405.7	-	16.36 415.7	-	9.06 230.0	53.11 342.7	180.76 269.0	10012.7 416,760	1065.5 44,350	626.9 10,275	-	117.7 1,930	1.51 0.461	9.73 2.967	
HZ 1080M A	20.62 523.7	-	21.17 537.7	-	8.94 227.0	57.63 371.8	196.13 291.9	16805.3 699,490	944.7 39,320	815.1 13,355	-	105.7 1,730	1.49 0.455	11.17 3.403	
HZ 1080M B	20.74 526.7	-	21.17 537.7	-	8.94 227.0	61.26 395.2	208.46 310.2	18373.8 764,780	1016.2 42,300	886.1 14,520	-	113.7 1,865	1.49 0.455	11.17 3.403	
HZ 1080M C	20.85 529.7	-	21.17 537.7	-	8.98 228.0	67.77 437.2	230.62 343.2	20257.8 843,200	1079.8 44,950	971.4 15,920	-	120.3 1,970	1.50 0.457	11.17 3.405	
HZ 1080M D	21.01 533.7	-	21.17 537.7	-	9.00 228.5	73.04 471.2	248.56 369.9	22093.2 919,590	1127.5 46,930	1051.5 17,230	-	125.3 2,055	1.50 0.457	11.17 3.405	
HZ 1180M A	21.17 537.7	-	21.17 537.7	-	9.02 229.0	77.26 498.4	262.92 391.3	23479.2 977,280	1151.8 47,940	1109.1 18,175	-	127.8 2,095	1.50 0.458	11.18 3.406	
HZ 1180M B	21.25 539.7	-	21.25 539.7	-	9.02 229.0	80.09 516.7	272.57 405.6	24755.0 1,030,390	1228.6 51,140	1165.1 19,090	-	136.3 2,235	1.50 0.458	11.20 3.414	
HZ 1180M C	21.33 541.7	-	21.33 541.7	-	9.04 229.5	84.61 545.9	287.95 428.5	26296.4 1,094,540	1314.5 54,720	1233.0 20,205	-	145.5 2,385	1.51 0.459	11.23 3.423	
HZ 1180M D	21.41 543.7	-	21.41 543.7	-	9.06 230.0	89.14 575.1	303.37 451.5	27852.9 1,159,330	1401.5 58,340	1301.2 21,325	-	154.8 2,535	1.53 0.466	11.24 3.426	

\* Referring outside of HZ<sup>®</sup>-M-flange. \*\* Referring outside of connector.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Solution 102

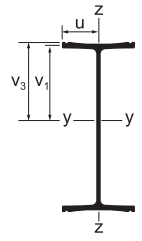


SECTION	PROPERTIES PER SOLUTION													
	Dimensions					Sectional Area in <sup>2</sup> cm <sup>2</sup>	Mass lb/ft kg/m	Moment of Inertia		Elastic Section Modulus			Coating Area	
	v <sub>1</sub> in mm	v <sub>2</sub> in mm	v <sub>3</sub> in mm	v <sub>4</sub> in mm	u in mm			y-y in <sup>4</sup> cm <sup>4</sup>	z-z in <sup>4</sup> cm <sup>4</sup>	y-y* in <sup>3</sup> cm <sup>3</sup>	y-y** in <sup>3</sup> cm <sup>3</sup>	z-z in <sup>3</sup> cm <sup>3</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
HZ 630M	12.26 311.4	11.98 304.4	12.57 319.2	12.29 312.2	8.27 210.0	47.83 308.6	162.77 242.2	5224.5 217,460	793.1 33010	426.2 6,985	-	95.9 1,570	1.44 0.440	7.97 2.430
HZ 880M A	15.99 406.2	15.64 397.2	16.54 420.1	16.19 411.2	9.02 229.0	45.32 292.4	154.24 229.5	8441.1 351,350	928.4 38640	527.9 8,650	-	103.0 1,685	1.57 0.478	9.73 2.966
HZ 880M B	16.07 408.1	15.72 399.3	16.54 420.0	16.19 411.3	9.06 230.0	50.33 324.7	171.30 254.9	9293.2 386,810	991.9 41280	578.4 9,480	-	109.5 1,795	1.58 0.481	9.74 2.967
HZ 880M C	16.14 409.9	15.81 401.5	16.53 419.9	16.20 411.4	9.06 230.0	52.58 339.2	178.93 266.3	9870.3 410,830	1029.8 42870	611.6 10,025	-	113.7 1,865	1.58 0.480	9.73 2.967
HZ 1080M A	20.80 528.2	20.44 519.2	21.34 542.2	20.99 533.1	8.94 227.0	57.15 368.7	194.49 289.4	16590.8 690,560	913.4 38020	797.8 13,075	-	102.2 1,675	1.55 0.473	11.17 3.403
HZ 1080M B	20.92 531.4	20.55 522.0	21.35 542.4	20.98 532.9	8.94 227.0	60.72 391.7	206.63 307.5	18134.7 754,830	981.6 40860	866.8 14,205	-	109.8 1,800	1.56 0.475	11.17 3.403
HZ 1080M C	21.02 534.0	20.69 525.4	21.34 541.9	21.00 533.4	8.98 228.0	67.23 433.7	228.79 340.5	20018.9 833,250	1044.9 43490	952.3 15,605	-	116.4 1,910	1.56 0.476	11.17 3.405
HZ 1080M D	21.17 537.7	20.86 529.7	21.32 541.6	21.01 533.7	9.00 228.5	72.50 467.7	246.73 367.2	21854.4 909,650	1092.3 45470	1032.5 16,920	-	121.4 1,990	1.56 0.477	11.17 3.405
HZ 1180M A	21.32 541.5	21.02 533.9	21.32 541.5	21.02 533.9	9.02 229.0	76.72 494.9	261.08 388.5	23238.6 967,270	1116.2 46460	1090.1 17,865	-	123.8 2,030	1.57 0.477	11.18 3.406
HZ 1180M B	21.44 544.5	21.06 534.9	21.44 544.5	21.06 534.9	9.02 229.0	79.37 512.1	270.13 402.0	24433.5 1,017,000	1181.4 49170	1139.7 18,675	-	131.0 2,145	1.58 0.481	11.20 3.414
HZ 1180M C	21.51 546.3	21.15 537.1	21.51 546.3	21.15 537.1	9.04 229.5	83.89 541.2	285.51 424.9	25972.6 1,081,070	1267.1 52740	1207.6 19,790	-	140.2 2,300	1.58 0.482	11.23 3.423
HZ 1180M D	21.67 550.4	21.14 537.0	21.67 550.4	21.14 537.0	9.06 230.0	88.05 568.1	299.66 445.9	27355.6 1,138,630	1329.5 55340	1262.5 20,690	-	146.8 2,405	1.60 0.487	11.24 3.426

\* Referring outside of HZ<sup>®</sup>-M-flange. \*\* Referring outside of connector.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Solution 104

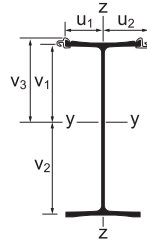


SECTION	PROPERTIES PER SOLUTION													
	Dimensions					Sectional Area in <sup>2</sup> cm <sup>2</sup>	Mass lb/ft kg/m	Moment of Inertia		Elastic Section Modulus			Coating Area	
	v <sub>1</sub> in mm	v <sub>2</sub> in mm	v <sub>3</sub> in mm	v <sub>4</sub> in mm	u in mm			y-y in <sup>4</sup> cm <sup>4</sup>	z-z in <sup>4</sup> cm <sup>4</sup>	y-y* in <sup>3</sup> cm <sup>3</sup>	y-y** in <sup>3</sup> cm <sup>3</sup>	z-z in <sup>3</sup> cm <sup>3</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
HZ 630M	12.12 307.9	12.12 307.9	12.43 315.7	12.43 315.7	8.27 210.0	47.29 305.1	160.94 239.5	5144.6 214,130	764.0 31800	424.4 6,955	-	92.4 1,515	1.44 0.440	8.04 2.449
HZ 880M A	15.82 401.7	15.82 401.7	16.36 415.7	16.36 415.7	9.02 229.0	44.83 289.2	152.57 227.0	8313.6 346,040	895.9 37290	525.7 8,615	-	99.4 1,630	1.57 0.478	9.79 2.984
HZ 880M B	15.89 403.7	15.89 403.7	16.36 415.7	16.36 415.7	9.06 230.0	49.80 321.3	169.47 252.2	9153.7 381,010	956.2 39800	575.9 9,440	-	105.6 1,730	1.58 0.481	9.80 2.987
HZ 880M C	15.97 405.7	15.97 405.7	16.36 415.7	16.36 415.7	9.06 230.0	52.04 335.7	177.10 263.6	9730.7 405,030	994.2 41380	609.2 9,985	-	109.8 1,800	1.58 0.480	9.80 2.987
HZ 1080M A	20.62 523.7	20.62 523.7	21.17 537.7	21.17 537.7	8.94 227.0	56.67 365.6	192.84 287.0	16379.9 681,790	882.1 36720	794.4 13,020	-	98.7 1,620	1.55 0.473	11.23 3.421
HZ 1080M B	20.74 526.7	20.74 526.7	21.17 537.7	21.17 537.7	8.94 227.0	60.18 388.3	204.80 304.8	17899.8 745,050	947.0 39420	863.2 14,145	-	106.0 1,735	1.56 0.475	11.23 3.423
HZ 1080M C	20.85 529.7	20.85 529.7	21.17 537.7	21.17 537.7	8.98 228.0	66.69 430.3	226.96 337.8	19783.7 823,460	1009.9 42040	948.7 15,545	-	112.5 1,845	1.56 0.476	11.23 3.424
HZ 1080M D	21.01 533.7	21.01 533.7	21.17 537.7	21.17 537.7	9.00 228.5	71.96 464.3	244.90 364.4	21619.1 899,860	1057.2 44000	1028.9 16,860	-	117.5 1,925	1.56 0.477	11.24 3.425
HZ 1180M A	21.17 537.7	21.17 537.7	21.17 537.7	21.17 537.7	9.02 229.0	76.17 491.4	259.23 385.8	23001.4 957,390	1080.6 44980	1086.6 17,805	-	119.9 1,965	1.57 0.477	11.24 3.426
HZ 1180M B	21.25 539.7	21.25 539.7	21.25 539.7	21.25 539.7	9.02 229.0	78.66 507.5	267.68 398.4	24117.8 1,003,860	1134.2 47210	1135.1 18,600	-	125.8 2,060	1.58 0.481	11.28 3.437
HZ 1180M C	21.33 541.7	21.33 541.7	21.33 541.7	21.33 541.7	9.04 229.5	83.17 536.6	283.06 421.2	25654.4 1,067,820	1219.6 50760	1202.9 19,710	-	135.0 2,210	1.58 0.482	11.31 3.446
HZ 1180M D	21.41 543.7	21.41 543.7	21.41 543.7	21.41 543.7	9.06 230.0	86.96 561.0	295.94 440.4	26870.5 1,118,440	1257.5 52340	1255.3 20,570	-	138.9 2,275	1.60 0.487	11.31 3.447

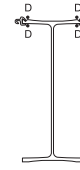
\* Referring outside of HZ<sup>®</sup>-M-flange. \*\* Referring outside of connector.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Solution 12



Delivery Form



D = discontinuous weld, a = 0.236" (6 mm), 10% of length (3.94" per 3.28', 100 mm/m) over the whole pile length + 19.68" (500 mm) continuous weld at top and toe

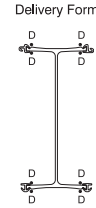
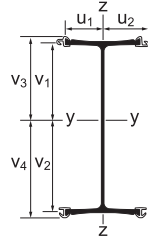
R = continuous weld, a = 0.236" (6 mm), length 19.68" (500 mm) at top and toe only

SECTION	PROPERTIES PER SOLUTION														
	Dimensions						Sectional Area in <sup>2</sup> cm <sup>2</sup>	Mass lb/ft kg/m	Moment of Inertia		Elastic Section Modulus			Coating Area	
	V <sub>1</sub> in mm	V <sub>2</sub> in mm	V <sub>3</sub> in mm	V <sub>4</sub> in mm	U <sub>1</sub> in mm	U <sub>2</sub> in mm			y-y in <sup>4</sup> cm <sup>4</sup>	z-z in <sup>4</sup> cm <sup>4</sup>	y-y* in <sup>3</sup> cm <sup>3</sup>	y-y** in <sup>3</sup> cm <sup>3</sup>	z-z in <sup>3</sup> cm <sup>3</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
HZ 630M	10.85 275.5	13.39 340.2	11.96 303.8	-	8.26 209.9	10.39 263.9	54.20 349.7	184.45 274.5	6036.6 251,260	1282.9 53400	450.7 7,385	504.8 8270	123.5 2,025	1.91 0.582	8.29 2.527
HZ 880M A	14.02 356.2	17.61 447.2	15.37 390.5	-	9.01 228.9	11.14 282.9	51.70 333.5	175.93 261.8	9868.8 410,770	1504.9 62640	560.5 9,185	641.9 10520	135.1 2,215	2.04 0.621	9.90 3.017
HZ 880M B	14.27 362.5	17.51 444.9	15.55 394.9	-	9.05 229.9	11.18 283.9	56.71 365.8	192.98 287.2	10738.1 446,960	1573.2 65480	613.1 10,045	690.8 11320	140.8 2,305	2.05 0.624	9.91 3.019
HZ 880M C	14.41 366.1	17.53 445.3	15.61 396.4	-	9.05 229.9	11.18 283.9	58.95 380.3	200.61 298.5	11320.8 471,210	1611.2 67060	645.7 10,580	725.3 11885	144.2 2,360	2.05 0.624	9.90 3.019
HZ 1080M A	18.72 475.6	22.51 571.8	20.07 509.9	-	8.93 226.9	11.06 280.9	63.52 409.8	216.17 321.7	19067.5 793,650	1480.5 61620	846.9 13,880	949.9 15565	133.9 2,195	2.02 0.617	11.34 3.455
HZ 1080M B	18.96 481.5	22.51 571.9	20.19 512.9	-	8.93 226.9	11.06 280.9	67.09 432.8	228.32 339.8	20628.1 858,610	1548.7 64460	916.2 15,015	1021.7 16740	140.1 2,295	2.03 0.618	11.33 3.455
HZ 1080M C	19.23 488.5	22.48 570.9	20.35 516.8	-	8.97 227.9	11.10 281.9	73.60 474.8	250.48 372.8	22531.1 937,820	1616.7 67290	1002.5 16,430	1107.3 18145	145.7 2,385	2.03 0.619	11.34 3.456
HZ 1080M D	19.50 495.3	22.53 572.1	20.46 519.6	-	8.99 228.4	11.12 282.4	78.87 508.8	268.41 399.4	24379.5 1,014,760	1666.5 69370	1082.3 17,735	1191.9 19530	149.9 2,455	2.03 0.620	11.34 3.457
HZ 1180M A	19.73 501.2	22.61 574.2	20.53 521.5	-	9.01 228.9	11.14 282.9	83.09 536.0	282.76 420.8	25773.1 1,072,760	1692.8 70460	1140.1 18,685	1255.2 20570	152.0 2,490	2.04 0.621	11.34 3.458
HZ 1180M B	19.89 505.3	22.60 574.1	20.61 523.6	-	9.01 228.9	11.14 282.9	85.75 553.2	291.81 434.3	26985.0 1,123,200	1758.2 73180	1193.9 19,565	1309.0 21450	157.9 2,585	2.04 0.622	11.36 3.462
HZ 1180M C	19.90 505.4	22.76 578.0	20.66 524.7	-	9.03 229.4	11.16 283.4	90.96 586.8	309.55 460.7	28778.5 1,197,860	1897.2 78970	1264.6 20,725	1393.2 22830	170.1 2,785	2.08 0.635	11.39 3.471
HZ 1180M D	20.13 511.2	22.68 576.2	20.81 528.5	-	9.05 229.9	11.18 283.9	95.12 613.7	323.70 481.7	30194.1 1,256,780	1962.2 81670	1331.1 21,815	1451.1 23780	175.6 2,875	2.10 0.641	11.40 3.476

\* Referring outside of HZ<sup>®</sup>-M-flange. \*\* Referring outside of connector.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Solution 14



D = discontinuous weld, a = 0.236" (6 mm), 10% of length (3.94" per 3.28', 100 mm/m) over the whole pile length + 19.68" (500 mm) continuous weld at top and toe

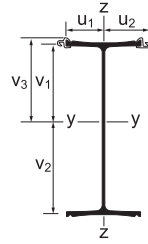
R = continuous weld, a = 0.236" (6 mm), length 19.68" (500 mm) at top and toe only

SECTION	PROPERTIES PER SOLUTION														
	Dimensions						Sectional Area in <sup>2</sup> cm <sup>2</sup>	Mass lb/ft kg/m	Moment of Inertia		Elastic Section Modulus			Coating Area	
	V <sub>1</sub> in mm	V <sub>2</sub> in mm	V <sub>3</sub> in mm	V <sub>4</sub> in mm	U <sub>1</sub> in mm	U <sub>2</sub> in mm			y-y in <sup>4</sup> cm <sup>4</sup>	z-z in <sup>4</sup> cm <sup>4</sup>	y-y* in <sup>3</sup> cm <sup>3</sup>	y-y** in <sup>3</sup> cm <sup>3</sup>	z-z in <sup>3</sup> cm <sup>3</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
<b>HZ 630M</b>	12.10 307.5	12.14 308.3	13.22 335.7	13.25 336.6	8.26 209.9	10.39 263.9	59.90 386.5	203.85 303.4	6939.7 288,850	1711.8 71250	571.8 9,370	523.7 8580	164.8 2,700	1.91 0.582	9.21 2.808
<b>HZ 880M A</b>	15.79 401.1	15.84 402.4	17.14 435.4	17.20 436.8	9.01 228.9	11.14 282.9	57.44 370.6	195.49 290.9	11486.0 478,080	2013.6 83810	725.1 11,880	667.9 10945	180.8 2,965	2.04 0.621	10.67 3.253
<b>HZ 880M B</b>	15.87 403.1	15.92 404.3	17.14 435.4	17.19 436.8	9.05 229.9	11.18 283.9	62.41 402.6	212.38 316.1	12326.1 513,050	2083.3 86710	774.4 12,690	716.9 11745	186.4 3,055	2.05 0.624	10.68 3.256
<b>HZ 880M C</b>	15.95 405.1	16.00 406.3	17.14 435.5	17.19 436.7	9.05 229.9	11.18 283.9	64.65 417.1	220.02 327.4	12903.1 537,070	2121.3 88290	806.7 13,220	750.4 12300	189.8 3,110	2.05 0.624	10.68 3.255
<b>HZ 1080M A</b>	20.59 522.9	20.65 524.5	21.94 557.2	22.00 558.9	8.93 226.9	11.06 280.9	69.28 446.9	235.76 350.9	21761.8 905,800	1981.3 82470	1053.9 17,270	989.0 16205	179.2 2,935	2.02 0.617	12.11 3.690
<b>HZ 1080M B</b>	20.71 526.0	20.77 527.4	21.94 557.3	22.00 558.9	8.93 226.9	11.06 280.9	72.79 469.6	247.72 368.6	23281.5 969,050	2046.2 85170	1121.2 18,375	1058.2 17340	185.0 3,030	2.03 0.618	12.11 3.691
<b>HZ 1080M C</b>	20.83 529.0	20.88 530.4	21.94 557.3	22.00 558.8	8.97 227.9	11.10 281.9	79.30 511.6	269.88 401.6	25165.6 1,047,480	2118.4 88170	1205.2 19,750	1143.9 18745	190.9 3,130	2.03 0.619	12.12 3.693
<b>HZ 1080M D</b>	20.99 533.1	21.04 534.3	21.94 557.4	22.00 558.8	8.99 228.4	11.12 282.4	84.57 545.6	287.81 428.3	27001.0 1,123,870	2170.3 90340	1283.5 21,035	1227.4 20115	195.2 3,200	2.03 0.620	12.12 3.693
<b>HZ 1180M A</b>	21.15 537.1	21.19 538.3	21.94 557.4	21.97 558.1	9.01 228.9	11.14 282.9	88.78 572.8	302.15 449.6	28383.2 1,181,400	2198.4 91500	1339.3 21,945	1291.7 21170	197.4 3,235	2.04 0.621	12.12 3.694
<b>HZ 1180M B</b>	21.22 539.1	21.27 540.3	21.95 557.4	22.00 558.7	9.01 228.9	11.14 282.8	91.27 588.8	310.60 462.2	29499.6 1,227,870	2251.9 93730	1386.8 22,725	1341.1 21975	202.2 3,315	2.04 0.622	12.13 3.696
<b>HZ 1180M C</b>	21.49 545.9	21.16 537.5	22.25 565.2	21.92 556.8	9.03 229.4	11.16 283.4	98.07 632.7	333.73 496.7	31982.3 1,331,210	2538.0 105640	1488.0 24,385	1437.2 23550	227.5 3,730	2.08 0.635	12.24 3.730
<b>HZ 1180M D</b>	21.57 547.8	21.25 539.6	22.25 565.1	21.93 556.9	9.05 229.9	11.18 283.9	101.85 657.1	346.61 515.8	33198.4 1,381,830	2581.4 107440	1539.4 25,225	1492.3 24455	231.0 3,785	2.10 0.641	12.26 3.736

\* Referring outside of HZ<sup>®</sup>-M-flange. \*\* Referring outside of connector.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Solution 124



Delivery Form



D = discontinuous weld, a = 0.236" (6 mm), 10% of length (3.94" per 3.28', 100 mm/m) over the whole pile length + 19.68" (500 mm) continuous weld at top and toe

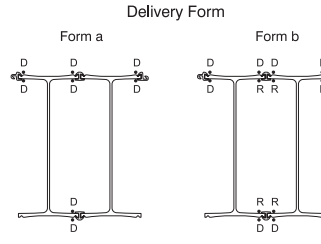
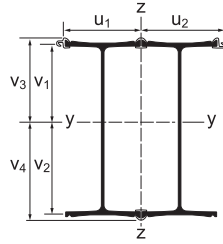
R = continuous weld, a = 0.236" (6 mm), length 19.68" (500 mm) at top and toe only

SECTION	PROPERTIES PER SOLUTION														Coating Area	
	Dimensions						Sectional Area in <sup>2</sup> cm <sup>2</sup>	Mass lb/ft kg/m	Moment of Inertia		Elastic Section Modulus			Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m	
	V <sub>1</sub> in mm	V <sub>2</sub> in mm	V <sub>3</sub> in mm	V <sub>4</sub> in mm	u <sub>1</sub> in mm	u <sub>2</sub> in mm			y-y in <sup>4</sup> cm <sup>4</sup>	z-z in <sup>4</sup> cm <sup>4</sup>	y-y* in <sup>3</sup> cm <sup>3</sup>	y-y** in <sup>3</sup> cm <sup>3</sup>	z-z in <sup>3</sup> cm <sup>3</sup>			
<b>HZ 630M</b>	10.71 272.1	13.53 343.6	11.82 300.3	-	8.26 209.9	10.39 263.9	53.66 346.2	182.65 271.8	5931.1 247,130	1252.6 52190	438.6 7,190	502.0 8230	120.8 1,980	0.00 0.582	0.00 2.546	
<b>HZ 880M A</b>	13.85 351.8	17.78 451.6	15.20 386.1	-	9.01 228.8	11.14 282.9	51.20 330.3	174.25 259.3	9698.2 404,090	1471.0 61290	546.0 8,950	638.4 10465	132.1 2,165	0.00 0.621	0.00 3.035	
<b>HZ 880M B</b>	14.10 358.2	17.69 449.2	15.37 390.5	-	9.05 229.9	11.18 283.9	56.17 362.4	191.18 284.5	10554.7 439,780	1536.0 64000	597.2 9,790	686.9 11260	137.6 2,255	0.00 0.624	0.00 3.039	
<b>HZ 880M C</b>	14.25 361.9	17.70 449.5	15.44 392.3	-	9.05 229.9	11.18 283.9	58.40 376.8	198.78 295.8	11138.2 464,090	1573.9 65580	629.8 10,325	721.6 11830	140.9 2,310	0.00 0.624	0.00 3.038	
<b>HZ 1080M A</b>	18.54 470.8	22.70 576.6	19.89 505.1	-	8.93 226.9	11.06 280.9	63.04 406.7	214.57 319.3	18793.0 783,040	1447.7 60320	828.4 13,580	945.5 15500	131.2 2,150	0.00 0.617	0.00 3.473	
<b>HZ 1080M B</b>	18.76 476.6	22.71 576.8	20.00 507.9	-	8.93 226.9	11.06 280.9	66.56 429.4	226.46 337.0	20325.6 846,900	1512.5 63020	895.8 14,685	1017.2 16675	136.9 2,245	0.00 0.618	0.00 3.474	
<b>HZ 1080M C</b>	19.06 484.1	22.65 575.3	20.17 512.4	-	8.97 227.9	11.10 281.9	73.07 471.4	248.64 370.0	22230.7 926,280	1580.2 65840	982.1 16,100	1102.9 18080	142.4 2,335	0.00 0.619	0.00 3.476	
<b>HZ 1080M D</b>	19.34 491.2	22.69 576.3	20.30 515.5	-	8.99 228.4	11.12 282.4	78.34 505.4	266.58 396.7	24079.9 1,003,330	1629.6 67900	1062.0 17,410	1187.4 19465	146.7 2,405	0.00 0.620	0.00 3.476	
<b>HZ 1180M A</b>	19.58 497.3	22.76 578.1	20.38 517.6	-	9.01 228.9	11.14 282.9	82.55 532.6	280.96 418.1	25471.9 1,061,330	1655.5 68980	1120.0 18,360	1250.8 20505	148.8 2,440	0.00 0.621	0.00 3.477	
<b>HZ 1180M B</b>	19.70 500.5	22.79 578.9	20.43 518.8	-	9.01 228.9	11.14 282.9	85.03 548.6	289.36 430.6	26593.2 1,108,050	1709.0 71210	1167.5 19,140	1303.0 21360	153.4 2,515	0.00 0.622	0.00 3.484	
<b>HZ 1180M C</b>	19.72 500.8	22.94 582.6	20.48 520.1	-	9.03 229.4	11.16 283.4	90.24 582.2	307.10 457.0	28380.2 1,182,510	1847.8 76990	1238.3 20,300	1386.8 22735	165.6 2,715	0.00 0.635	0.00 3.493	
<b>HZ 1180M D</b>	19.86 504.5	22.95 582.9	20.54 521.8	-	9.05 229.9	11.18 283.9	94.02 606.6	320.01 476.2	29604.2 1,233,510	1888.3 78680	1290.8 21,160	1442.0 23640	169.0 2,770	0.00 0.641	0.00 3.497	

\* Referring outside of HZ<sup>®</sup>-M-flange. \*\* Referring outside of connector.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Solution 24



D = discontinuous weld, a = 0.236" (6 mm), 10% of length (3.94" per 3.28', 100 mm/m) over the whole pile length + 19.68" (500 mm) continuous weld at top and toe

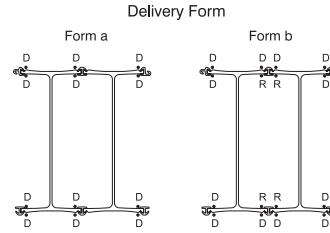
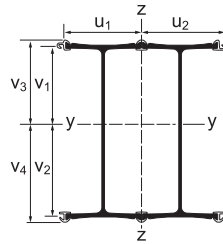
R = continuous weld, a = 0.236" (6 mm), length 19.68" (500 mm) at top and toe only

SECTION	PROPERTIES PER SOLUTION														
	Dimensions						Sectional Area in <sup>2</sup> cm <sup>2</sup>	Mass lb/ft kg/m	Moment of Inertia		Elastic Section Modulus			Coating Area	
	V <sub>1</sub> in mm	V <sub>2</sub> in mm	V <sub>3</sub> in mm	V <sub>4</sub> in mm	u <sub>1</sub> in mm	u <sub>2</sub> in mm			y-y in <sup>4</sup> cm <sup>4</sup>	z-z in <sup>4</sup> cm <sup>4</sup>	y-y* in <sup>3</sup> cm <sup>3</sup>	y-y** in <sup>3</sup> cm <sup>3</sup>	z-z in <sup>3</sup> cm <sup>3</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
<b>HZ 630M</b>	11.42 290.0	12.83 325.8	12.53 318.3	13.94 354.1	16.81 426.9	18.93 480.9	107.19 691.5	364.79 542.9	12031.0 500,770	10338.8 430330	938.1 15,370	863.0 14140	546.1 8,950	3.50 1.067	9.94 3.031
<b>HZ 880M A</b>	14.83 376.7	16.80 426.7	16.19 411.2	18.16 461.2	18.30 464.8	20.43 518.9	102.27 659.8	348.05 518.0	19700.6 820,000	11783.3 490460	1172.7 19,220	1217.0 19945	576.8 9,450	3.75 1.144	11.68 3.559
<b>HZ 880M B</b>	15.00 380.9	16.79 426.5	16.27 413.4	18.07 458.9	18.38 466.9	20.51 520.9	112.20 723.9	381.85 568.3	21389.6 890,310	12853.1 534990	1273.9 20,875	1314.3 21540	626.7 10,270	3.77 1.150	11.70 3.565
<b>HZ 880M C</b>	15.11 383.8	16.83 427.6	16.31 414.3	18.03 458.1	18.38 466.9	20.51 520.9	116.69 752.8	397.12 591.0	22547.1 938,480	13319.6 554410	1339.3 21,950	1382.5 22655	649.5 10,645	3.77 1.150	11.69 3.565
<b>HZ 1080M A</b>	19.58 497.2	21.66 550.2	20.93 531.7	23.02 584.6	18.14 460.9	20.27 514.9	125.94 812.5	428.61 637.8	38005.0 1,581,890	13596.5 565930	1754.6 28,755	1815.7 29755	670.7 10,990	3.73 1.136	13.10 3.992
<b>HZ 1080M B</b>	19.75 501.6	21.72 551.8	20.99 533.1	22.96 583.2	18.14 460.9	20.27 514.9	132.97 857.9	452.52 673.4	41051.9 1,708,720	14322.7 596160	1889.8 30,970	1956.2 32055	706.6 11,580	3.73 1.138	13.11 3.995
<b>HZ 1080M C</b>	19.96 506.9	21.75 552.5	21.07 535.3	22.87 581.0	18.22 462.9	20.35 516.9	145.99 941.9	496.84 739.4	44831.4 1,866,030	15669.5 652220	2060.9 33,770	2127.3 34860	770.1 12,620	3.74 1.141	13.12 3.998
<b>HZ 1080M D</b>	20.17 512.4	21.85 555.0	21.14 536.8	22.81 579.4	18.26 463.9	20.39 517.9	156.53 1009.9	532.71 792.8	48510.1 2,019,150	16728.2 696280	2220.2 36,380	2295.3 37615	820.5 13,445	3.75 1.142	13.12 3.999
<b>HZ 1180M A</b>	20.37 517.5	21.97 557.9	21.18 537.9	22.77 578.3	18.30 464.9	20.43 518.9	164.96 1064.2	561.38 835.4	51280.2 2,134,450	17564.3 731080	2334.7 38,260	2421.5 39680	859.9 14,090	3.75 1.144	13.13 4.001
<b>HZ 1180M B</b>	20.48 520.1	22.02 559.3	21.20 538.5	22.75 577.7	18.30 464.9	20.43 518.9	169.92 1096.3	578.28 860.6	53516.1 2,227,520	18099.9 753380	2430.4 39,825	2524.3 41365	886.1 14,520	3.76 1.147	13.15 4.009
<b>HZ 1180M C</b>	20.53 521.3	22.13 562.1	21.29 540.6	22.89 581.4	18.38 466.9	20.51 520.9	181.24 1169.3	616.79 917.9	57523.0 2,394,300	19477.8 810730	2599.6 42,600	2702.5 44285	949.8 15,565	3.82 1.164	13.20 4.022
<b>HZ 1180M D</b>	20.64 524.2	22.17 563.2	21.32 541.5	22.86 580.5	18.42 467.9	20.55 521.9	188.81 1218.1	642.55 956.2	59959.8 2,495,730	20289.8 844530	2704.0 44,310	2812.7 46095	987.5 16,180	3.86 1.176	13.23 4.032

\* Referring outside of HZ<sup>®</sup>-M-flange. \*\* Referring outside of connector.

# HZ<sup>®</sup>-M STEEL WALL SYSTEMS

## Solution 26



D = discontinuous weld, a = 0.236" (6 mm), 10% of length (3.94" per 3.28', 100 mm/m) over the whole pile length + 19.68" (500 mm) continuous weld at top and toe

R = continuous weld, a = 0.236" (6 mm), length 19.68" (500 mm) at top and toe only

SECTION	PROPERTIES PER SOLUTION														
	Dimensions						Sectional Area in <sup>2</sup> cm <sup>2</sup>	Mass lb/ft kg/m	Moment of Inertia		Elastic Section Modulus			Coating Area	
	V <sub>1</sub> in mm	V <sub>2</sub> in mm	V <sub>3</sub> in mm	V <sub>4</sub> in mm	u <sub>1</sub> in mm	u <sub>2</sub> in mm			y-y in <sup>4</sup> cm <sup>4</sup>	z-z in <sup>4</sup> cm <sup>4</sup>	y-y* in <sup>3</sup> cm <sup>3</sup>	y-y** in <sup>3</sup> cm <sup>3</sup>	z-z in <sup>3</sup> cm <sup>3</sup>	Waterside ft <sup>2</sup> /ft m <sup>2</sup> /m	Landside ft <sup>2</sup> /ft m <sup>2</sup> /m
<b>HZ 630M</b>	12.11 307.6	12.13 308.1	13.23 336.0	13.24 336.4	16.81 426.9	18.93 480.9	113.43 731.8	386.02 574.5	12980.3 540,280	12162.8 506260	1070.2 17,535	980.1 16060	642.4 10,530	3.50 1.067	10.80 3.292
<b>HZ 880M A</b>	15.80 401.4	15.83 402.0	17.16 435.8	17.19 436.5	18.31 464.9	20.43 518.8	108.51 700.1	369.28 549.6	21379.6 889,890	13940.2 580240	1350.7 22,135	1246.1 20420	682.5 11,185	3.75 1.144	12.39 3.776
<b>HZ 880M B</b>	15.88 403.4	15.91 404.0	17.16 435.8	17.18 436.5	18.38 467.0	20.50 520.8	118.44 764.1	403.08 599.9	23059.8 959,830	15028.4 625530	1449.8 23,755	1343.9 22020	733.0 12,010	3.77 1.150	12.41 3.782
<b>HZ 880M C</b>	15.96 405.4	15.98 406.0	17.16 435.9	17.18 436.5	18.38 467.0	20.50 520.8	122.93 793.1	418.35 622.6	24213.8 1,007,860	15494.9 644950	1514.9 24,825	1411.1 23125	755.7 12,385	3.77 1.150	12.41 3.782
<b>HZ 1080M A</b>	20.60 523.3	20.63 524.1	21.96 557.7	21.99 558.5	18.14 460.9	20.27 514.9	132.18 852.8	449.84 669.4	40817.8 1,698,970	15717.1 654200	1978.2 32,415	1859.0 30465	775.4 12,705	3.73 1.136	13.81 4.209
<b>HZ 1080M B</b>	20.72 526.3	20.75 527.1	21.96 557.7	21.99 558.5	18.14 460.9	20.27 514.9	139.21 898.1	473.75 705.0	43857.5 1,825,490	16443.3 684420	2113.5 34,635	1997.4 32730	811.2 13,295	3.73 1.138	13.82 4.212
<b>HZ 1080M C</b>	20.84 529.4	20.87 530.1	21.96 557.8	21.99 558.5	18.22 462.9	20.35 516.9	152.23 982.1	518.07 771.0	47625.5 1,982,330	17808.3 741240	2282.2 37,400	2168.8 35540	875.2 14,340	3.74 1.141	13.83 4.215
<b>HZ 1080M D</b>	21.00 533.4	21.02 534.0	21.96 557.8	21.99 558.5	18.26 463.9	20.39 517.9	162.77 1050.1	553.94 824.4	51296.2 2,135,120	18876.0 785680	2439.8 39,980	2335.9 38280	925.9 15,170	3.75 1.142	13.83 4.216
<b>HZ 1180M A</b>	21.16 537.4	21.18 538.0	21.96 557.8	21.99 558.4	18.30 464.9	20.43 518.9	171.20 1104.5	582.61 867.0	54060.7 2,250,190	19721.2 820860	2552.3 41,825	2461.7 40340	965.4 15,820	3.75 1.144	13.84 4.217
<b>HZ 1180M B</b>	21.24 539.4	21.26 540.0	21.96 557.8	21.99 558.4	18.30 464.9	20.43 518.8	176.16 1136.5	599.51 892.2	56293.6 2,343,130	20256.9 843160	2647.9 43,390	2563.3 42005	991.7 16,250	3.76 1.147	13.85 4.221
<b>HZ 1180M C</b>	21.41 543.9	21.24 539.5	22.17 563.2	22.00 558.8	18.38 466.9	20.51 520.9	189.07 1219.8	643.42 957.5	60979.6 2,538,170	22216.2 924710	2847.8 46,665	2750.2 45070	1083.4 17,755	3.82 1.164	13.97 4.259
<b>HZ 1180M D</b>	21.49 545.8	21.32 541.6	22.17 563.1	22.00 558.9	18.42 467.9	20.55 521.9	196.63 1268.6	669.18 995.9	63411.7 2,639,410	23041.8 959080	2951.0 48,360	2860.4 46875	1121.5 18,380	3.86 1.176	14.01 4.271

\* Referring outside of HZ<sup>®</sup>-M-flange. \*\* Referring outside of connector.



## Available Steel Grades

AMERICAN			CANADIAN			EUROPEAN		
ASTM	Yield Strength		ASTM	Yield Strength		ASTM	Yield Strength	
	ksi	MPa		ksi	MPa		ksi	MPa
A328	39	270	Grade 260 W	38	260	S240 GP	35	240
A572 Grade 42	42	290	Grade 300 W	43	297	S270 GP	39	270
A572 Grade 50	50	345	Grade 355 W	51	355	S320 GP	46	315
A572 Grade 55	55	380	Grade 400 W	58	400	S355 GP	51	355
A572 Grade 60	60	415				S390 GP	57	390
A572 Grade 65**	65	450				S430 GP	62	430
A690**	50	345				S460 AP**	67	460
A690*	57	390						

\* Not available for AZ 48/50/52-700, HZ 1080M C-D, and HZ 1180M A-D. \*\* Not available for HZ 1180M C-D.

## Delivery Conditions & Tolerances

<b>HZ<sup>®</sup>-M &amp; AZ PILES</b>	<b>ASTM A6</b>	<b>EN 10248</b>
Mass	± 2.5%	± 5%
Length	+ 5 in.	- 0 in. ± 200 mm
Height		± 5 mm
Width		± 2%
Width Interlocked		± 3%
Straightness		0.2% of the length
Ends out of Square		± 2% of the width
<b>AZ Pile</b>		
Thickness		≤ 8.5 mm ± 0.5 mm
> 8.5 mm		± 6%
<b>HZ<sup>®</sup>-M Pile</b>		
Thickness		≤ 12.5 mm + 2.0, -1.0 mm
		> 12.5 + 2.5, -1.5 mm

## Maximum Rolled Lengths<sup>†</sup>

<b>HZ<sup>®</sup>-M</b>	108.3 ft.	33.0 m	
<b>AZ</b>	101.7 ft.	31.0 m	
<b>RZD/RZU</b>	78.7 ft.	24.0 m	(Length does not restrict wall height)
<b>RH</b>	78.7 ft.	24.0 m	(Length does not restrict wall height)

† Longer lengths may be possible upon request.