



MCE Table 1.1													
Wall Loading Chart (in PSF) for MCE Walls Having 4" Clay Tile for Each Face & 2 lb Polymer Filled Gap and a Height/600 Deflection Limit													
Wall Height in Feet												Added "R" Value	
H/D	6	8	10	12	14	16	18	20	22	24	26		
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.6	5.6	*	*	*	*	*	14	
	4	30.7	23.0	18.4	15.4	13.2	10.7	8.4	6.8	5.7	*	28	
	6	46.1	34.6	27.6	23.0	19.7	17.3	15.1	12.2	10.1	8.5	7.3	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	15.7	13.2	11.2	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.2	16.3	13.3	70
	12	88.2	66.2	52.9	44.1	37.8	33.1	29.4	26.5	21.4	17.2	14.0	84
	14	69.5	52.1	41.7	34.8	29.8	26.1	23.2	20.9	19.0	17.4	14.7	98
	16	57.1	42.8	34.3	28.5	24.5	21.4	19.0	17.1	15.6	14.3	13.2	112
	18	48.5	36.4	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	126
	24	34.7	26.0	20.8	17.3	14.9	13.0	11.6	10.4	9.5	8.7	8.0	168
* Less than 5 PSF													

MCE Table 1.2													
Wall Loading Chart (in PSF) for MCE Walls Having 4" Clay Tile for Each Face & 2 lb Polymer Filled Gap and a Height/360 Deflection Limit													
Wall Height in Feet												Added "R" Value	
H/D	6	8	10	12	14	16	18	20	22	24	26		
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.6	5.6	*	*	*	*	*	14	
	4	30.7	23.0	18.4	15.4	13.2	10.7	8.4	6.8	5.7	*	28	
	6	46.1	34.6	27.6	23.0	19.7	17.3	15.1	12.2	10.1	8.5	7.3	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	15.7	13.2	11.2	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.2	16.3	13.3	70
	12	88.2	66.2	52.9	44.1	37.8	33.1	29.4	26.5	21.4	17.2	14.0	84
	14	69.5	52.1	41.7	34.8	29.8	26.1	23.2	20.9	19.0	17.4	14.7	98
	16	57.1	42.8	34.3	28.5	24.5	21.4	19.0	17.1	15.6	14.3	13.2	112
	18	48.5	36.4	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	126
	24	34.7	26.0	20.8	17.3	14.9	13.0	11.6	10.4	9.5	8.7	8.0	168
* Less than 5 PSF													

TABLE NOTES:

1. Table design values do not account for construction loads other than self weight, additional capacity may be possible if heavy finishes or other vertical load is applied to the wall assembly. Contact SR Contractors for more information.
2. The above tables use a factor of safety of 5 on shear at the interface between SR Foam to brick or concrete substrate and a factor of safety of 2 on all internal stresses.



MCE Table 1.3												
Wall Loading Chart (in PSF) for MCE Walls Having 4" Clay Tile for Each Face & 2 lb Polymer Filled Gap and a Height/180 Deflection Limit												
Wall Height in Feet												
D \ H	6	8	10	12	14	16	18	20	22	24	26	Added "R" Value
	2	15.4	11.5	9.2	7.6	5.6	*	*	*	*	*	
4	30.7	23.0	18.4	15.4	13.2	10.7	8.4	6.8	5.7	*	*	28
6	46.1	34.6	27.6	23.0	19.7	17.3	15.1	12.2	10.1	8.5	7.3	42
8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	15.7	13.2	11.2	56
10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.9	18.8	16.0	70
12	88.2	66.2	52.9	44.1	37.8	33.1	29.4	26.5	24.1	22.1	17.4	84
14	69.5	52.1	41.7	34.8	29.8	26.1	23.2	20.9	19.0	17.4	16.0	98
16	57.1	42.8	34.3	28.5	24.5	21.4	19.0	17.1	15.6	14.3	13.2	112
18	48.5	36.4	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	126
24	34.7	26.0	20.8	17.3	14.9	13.0	11.6	10.4	9.5	8.7	8.0	168

* Less than 5 PSF

TABLE NOTES:

1. Table design values do not account for construction loads other than self weight, additional capacity may be possible if heavy finishes or other vertical load is applied to the wall assembly. Contact SR Contractors for more information.
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MCE Table 2.1

Wall Loading Chart (in PSF) for MCE Walls Having 6" Clay Tile for Each Face & 2 lb Polymer Filled Gap and a Height/600 Deflection Limit

D \ H		Wall Height in Feet											Added "R" Value
		6	8	10	12	14	16	18	20	22	24	26	
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.7	6.6	5.8	*	*	*	*	*	14
	4	30.7	23.0	18.4	15.4	13.2	11.5	10.2	9.0	7.4	6.2	5.3	28
	6	46.1	34.6	27.6	23.0	19.7	17.3	15.4	13.8	12.6	10.7	9.1	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	16.8	15.4	13.7	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.9	19.2	17.7	70
	12	92.2	69.1	55.3	46.1	39.5	34.6	30.7	27.6	25.1	23.0	21.3	84
	14	107.5	80.6	64.5	53.8	46.1	40.3	35.8	32.3	29.3	26.9	24.8	98
	16	122.9	92.2	73.7	61.4	52.7	46.1	41.0	36.9	33.5	30.7	28.4	112
	18	132.4	99.3	79.4	66.2	56.7	49.6	44.1	39.7	36.1	33.1	30.5	126
	24	85.6	64.2	51.4	42.8	36.7	32.1	28.5	25.7	23.4	21.4	19.8	168

* Less than 5 PSF

MCE Table 2.2

Wall Loading Chart (in PSF) for MCE Walls Having 6" Clay Tile for Each Face & 2 lb Polymer Filled Gap and a Height/360 Deflection Limit

D \ H		Wall Height in Feet											Added "R" Value
		6	8	10	12	14	16	18	20	22	24	26	
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.7	6.6	5.8	*	*	*	*	*	14
	4	30.7	23.0	18.4	15.4	13.2	11.5	10.2	9.0	7.4	6.2	5.3	28
	6	46.1	34.6	27.6	23.0	19.7	17.3	15.4	13.8	12.6	10.7	9.1	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	16.8	15.4	13.7	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.9	19.2	17.7	70
	12	92.2	69.1	55.3	46.1	39.5	34.6	30.7	27.6	25.1	23.0	21.3	84
	14	107.5	80.6	64.5	53.8	46.1	40.3	35.8	32.3	29.3	26.9	24.8	98
	16	122.9	92.2	73.7	61.4	52.7	46.1	41.0	36.9	33.5	30.7	28.4	112
	18	132.4	99.3	79.4	66.2	56.7	49.6	44.1	39.7	36.1	33.1	30.5	126
	24	85.6	64.2	51.4	42.8	36.7	32.1	28.5	25.7	23.4	21.4	19.8	168

* Less than 5 PSF

TABLE NOTES:

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2. The above tables use a factor of safety of 5 on shear at the interface between SR Foam to brick or concrete substrate and a factor of safety of 2 on all internal stresses.



MCE Table 2.3												
Wall Loading Chart (in PSF) for MCE Walls Having 6" Clay Tile for Each Face & 2 lb Polymer Filled Gap and a Height/180 Deflection Limit												
Wall Height in Feet												
D \ H	6	8	10	12	14	16	18	20	22	24	26	Added "R" Value
	2	15.4	11.5	9.2	7.7	6.6	5.8	*	*	*	*	
4	30.7	23.0	18.4	15.4	13.2	11.5	10.2	9.0	7.4	6.2	5.3	28
6	46.1	34.6	27.6	23.0	19.7	17.3	15.4	13.8	12.6	10.7	9.1	42
8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	16.8	15.4	13.7	56
10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.9	19.2	17.7	70
12	92.2	69.1	55.3	46.1	39.5	34.6	30.7	27.6	25.1	23.0	21.3	84
14	107.5	80.6	64.5	53.8	46.1	40.3	35.8	32.3	29.3	26.9	24.8	98
16	122.9	92.2	73.7	61.4	52.7	46.1	41.0	36.9	33.5	30.7	28.4	112
18	132.4	99.3	79.4	66.2	56.7	49.6	44.1	39.7	36.1	33.1	30.5	126
24	85.6	64.2	51.4	42.8	36.7	32.1	28.5	25.7	23.4	21.4	19.8	168

* Less than 5 PSF

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MCE Table 3.1												
Wall Loading Chart (in PSF) for MCE Walls Having 1500 8" CMU UngROUTED for Each Face & 2 lb Polymer Filled Gap and a Height/600 Deflection Limit												
Wall Height in Feet												
H/D	6	8	10	12	14	16	18	20	22	24	26	Added "R" Value
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.7	6.6	5.8	5.1	*	*	*	14
	4	30.7	23.0	18.4	15.4	13.2	11.5	10.2	9.2	8.4	7.7	28
	6	46.1	34.6	27.6	23.0	19.7	17.3	15.4	13.8	12.6	11.5	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	16.8	15.4	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.9	19.2	70
	12	92.2	69.1	55.3	46.1	39.5	34.6	30.7	27.6	25.1	23.0	84
	14	107.5	80.6	64.5	53.8	46.1	40.3	35.8	32.3	29.3	26.9	98
	16	122.9	92.2	73.7	61.4	52.7	46.1	41.0	36.9	33.5	30.7	112
	18	138.2	103.7	82.9	69.1	59.2	51.8	46.1	41.5	37.7	34.6	126
	24	176.5	132.4	105.9	88.2	75.6	66.2	58.8	52.9	48.1	44.1	168
* Less than 5 PSF												

MCE Table 3.2												
Wall Loading Chart (in PSF) for MCE Walls Having 1500 8" CMU UngROUTED for Each Face & 2 lb Polymer Filled Gap and a Height/360 Deflection Limit												
Wall Height in Feet												
H/D	6	8	10	12	14	16	18	20	22	24	26	Added "R" Value
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.7	6.6	5.8	5.1	*	*	*	14
	4	30.7	23.0	18.4	15.4	13.2	11.5	10.2	9.2	8.4	7.7	28
	6	46.1	34.6	27.6	23.0	19.7	17.3	15.4	13.8	12.6	11.5	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	16.8	15.4	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.9	19.2	70
	12	92.2	69.1	55.3	46.1	39.5	34.6	30.7	27.6	25.1	23.0	84
	14	107.5	80.6	64.5	53.8	46.1	40.3	35.8	32.3	29.3	26.9	98
	16	122.9	92.2	73.7	61.4	52.7	46.1	41.0	36.9	33.5	30.7	112
	18	138.2	103.7	82.9	69.1	59.2	51.8	46.1	41.5	37.7	34.6	126
	24	176.5	132.4	105.9	88.2	75.6	66.2	58.8	52.9	48.1	44.1	168
* Less than 5 PSF												

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MCE Table 3.3													
Wall Loading Chart (in PSF) for MCE Walls Having 1500 8" CMU UngROUTED for Each Face & 2 lb Polymer Filled Gap and a Height/180 Deflection Limit													
Wall Height in Feet													
H D	6	8	10	12	14	16	18	20	22	24	26	Added "R" Value	
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.7	6.6	5.8	5.1	*	*	*	14	
	4	30.7	23.0	18.4	15.4	13.2	11.5	10.2	9.2	8.4	7.7	6.6	28
	6	46.1	34.6	27.6	23.0	19.7	17.3	15.4	13.8	12.6	11.5	10.6	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	16.8	15.4	14.2	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.9	19.2	17.7	70
	12	92.2	69.1	55.3	46.1	39.5	34.6	30.7	27.6	25.1	23.0	21.3	84
	14	107.5	80.6	64.5	53.8	46.1	40.3	35.8	32.3	29.3	26.9	24.8	98
	16	122.9	92.2	73.7	61.4	52.7	46.1	41.0	36.9	33.5	30.7	28.4	112
	18	138.2	103.7	82.9	69.1	59.2	51.8	46.1	41.5	37.7	34.6	31.9	126
	24	176.5	132.4	105.9	88.2	75.6	66.2	58.8	52.9	48.1	44.1	40.7	168
* Less than 5 PSF													

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MCE Table 4.1													
Wall Loading Chart (in PSF) for MCE Walls Having Brick Masonry for Each Face & 2 lb Polymer Filled Gap and a Height/600 Deflection Limit													
Wall Height in Feet													
H \ D	6	8	10	12	14	16	18	20	22	24	26	Added "R" Value	
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.2	5.3	*	*	*	*	*	14	
	4	30.7	23.0	18.4	15.4	13.2	10.2	8.0	6.5	5.4	*	28	
	6	46.1	34.6	27.6	23.0	19.7	17.3	14.5	11.8	9.7	8.2	7.0	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	15.2	12.8	10.9	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.0	16.1	13.1	70
	12	89.5	67.1	53.7	44.7	38.3	33.5	29.8	26.8	21.2	17.0	13.8	84
	14	70.3	52.7	42.2	35.1	30.1	26.4	23.4	21.1	19.2	17.6	14.6	98
	16	57.5	43.2	34.5	28.8	24.7	21.6	19.2	17.3	15.7	14.4	13.3	112
	18	48.7	36.6	29.2	24.4	20.9	18.3	16.2	14.6	13.3	12.2	11.2	126
	24	34.7	26.0	20.8	17.4	14.9	13.0	11.6	10.4	9.5	8.7	8.0	168
* Less than 5 PSF													

MCE Table 4.2													
Wall Loading Chart (in PSF) for MCE Walls Having Brick Masonry for Each Face & 2 lb Polymer Filled Gap and a Height/360 Deflection Limit													
Wall Height in Feet													
H \ D	6	8	10	12	14	16	18	20	22	24	26	Added "R" Value	
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.2	5.3	*	*	*	*	*	14	
	4	30.7	23.0	18.4	15.4	13.2	10.2	8.0	6.5	5.4	*	28	
	6	46.1	34.6	27.6	23.0	19.7	17.3	14.5	11.8	9.7	8.2	7.0	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	15.2	12.8	10.9	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.0	16.1	13.1	70
	12	89.5	67.1	53.7	44.7	38.3	33.5	29.8	26.8	21.2	17.0	13.8	84
	14	70.3	52.7	42.2	35.1	30.1	26.4	23.4	21.1	19.2	17.6	14.6	98
	16	57.5	43.2	34.5	28.8	24.7	21.6	19.2	17.3	15.7	14.4	13.3	112
	18	48.7	36.6	29.2	24.4	20.9	18.3	16.2	14.6	13.3	12.2	11.2	126
	24	34.7	26.0	20.8	17.4	14.9	13.0	11.6	10.4	9.5	8.7	8.0	168
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MCE Table 4.3													
Wall Loading Chart (in PSF) for MCE Walls Having Brick Masonry for Each Face & 2 lb Polymer Filled Gap and a Height/180 Deflection Limit													
Wall Height in Feet													
H D	6	8	10	12	14	16	18	20	22	24	26	Added "R" Value	
Distance Between Masonry Walls (in)	2	15.4	11.5	9.2	7.2	5.3	*	*	*	*	*	14	
	4	30.7	23.0	18.4	15.4	13.2	10.2	8.0	6.5	5.4	*	28	
	6	46.1	34.6	27.6	23.0	19.7	17.3	14.5	11.8	9.7	8.2	7.0	42
	8	61.4	46.1	36.9	30.7	26.3	23.0	20.5	18.4	15.2	12.8	10.9	56
	10	76.8	57.6	46.1	38.4	32.9	28.8	25.6	23.0	20.9	18.3	15.6	70
	12	89.5	67.1	53.7	44.7	38.3	33.5	29.8	26.8	24.4	21.9	17.2	84
	14	70.3	52.7	42.2	35.1	30.1	26.4	23.4	21.1	19.2	17.6	16.2	98
	16	57.5	43.2	34.5	28.8	24.7	21.6	19.2	17.3	15.7	14.4	13.3	112
	18	48.7	36.6	29.2	24.4	20.9	18.3	16.2	14.6	13.3	12.2	11.2	126
	24	34.7	26.0	20.8	17.4	14.9	13.0	11.6	10.4	9.5	8.7	8.0	168
* Less than 5 PSF													

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2. The above tables use a factor of safety of 5 on shear at the interface between SR Foam to brick or concrete substrate and a factor of safety of 2 on all internal stresses.