

90° SKEW

2:1 SLOPE				
H	W	h	CONCRETE (C.Y.)	REINF. STEEL (LBS.)
4	5.00	1.75	3.3	630
4.5	5.75	2.00	4.1	694
5	6.50	2.25	5.3	781
5.5	7.25	2.50	6.3	914
6	8.00	2.75	7.4	1,014
6.5	8.50	3.00	8.4	1,069
7	9.25	3.25	10.1	1,367
7.5	10.00	3.50	11.5	1,486
8	10.75	3.75	13.0	1,607
8.5	11.50	4.00	14.6	1,749
9	12.25	4.25	16.9	2,576
9.5	12.75	4.50	18.4	2,639
10	13.50	4.75	20.4	2,875
10.5	14.25	5.00	23.2	3,091
11	15.00	5.25	26.3	3,494
11.5	15.75	5.50	30.3	4,328
12	16.50	5.75	32.9	4,544
12.5	17.00	6.00	35.1	4,662
13	17.75	6.25	39.4	5,610
13.5	18.50	6.50	42.4	6,003
14	19.25	6.75	45.5	6,260
14.5	20.00	7.00	49.9	6,741
15	20.75	7.25	56.4	7,352
15.5	21.25	7.50	59.4	8,039
16	22.00	7.75	63.2	8,506
16.5	22.75	8.00	67.2	9,812
17	23.50	8.25	73.7	10,799
17.5	24.25	8.50	78.1	10,884
18	24.75	8.75	81.7	11,209
18.5	25.50	9.00	88.3	11,733
19	26.25	9.25	97.7	12,981
19.5	27.00	9.50	102.8	14,737
20	27.75	9.75	108.1	15,265
20.5	28.50	10.00	113.5	15,719
21	29.00	10.25	126.0	17,262

3:1 SLOPE				
H	W	h	CONCRETE (C.Y.)	REINF. STEEL (LBS.)
4	6.25	2.25	4.3	675
4.5	7.25	2.50	5.4	744
5	8.00	3.00	6.9	849
5.5	9.00	3.25	8.3	1,014
6	9.75	3.50	9.5	1,116
6.5	10.50	3.75	10.8	1,180
7	11.50	4.00	13.1	1,520
7.5	12.25	4.50	14.9	1,624
8	13.25	4.75	16.9	1,754
8.5	14.00	5.00	19.5	1,974
9	14.75	5.25	22.2	2,962
9.5	15.75	5.50	24.7	3,082
10	16.50	6.00	27.3	3,342
10.5	17.50	6.25	30.1	3,504
11	18.25	6.50	33.6	3,928
11.5	19.00	6.75	37.5	4,786
12	20.00	7.00	41.9	5,216
12.5	20.75	7.50	45.4	5,394
13	21.75	7.75	52.0	6,412
13.5	22.50	8.00	55.4	6,870
14	23.25	8.25	59.0	7,136
14.5	24.25	8.50	63.3	7,589
15	25.00	9.00	73.3	8,368
15.5	25.75	9.25	77.5	9,299
16	26.75	9.50	82.6	9,820
16.5	27.50	9.75	87.1	11,451
17	28.50	10.00	95.7	12,593
17.5	29.25	10.50	101.2	12,502
18	30.00	10.75	106.4	12,936
18.5	31.00	11.00	118.0	13,630
19	31.75	11.25	129.5	14,977
19.5	32.75	11.50	136.5	17,020
20	33.50	12.00	143.3	17,579
20.5	34.25	12.25	149.6	18,066
21	35.25	12.50	167.3	19,857

4:1 SLOPE				
H	W	h	CONCRETE (C.Y.)	REINF. STEEL (LBS.)
4	7.25	2.50	5.1	716
4.5	8.25	3.00	6.4	786
5	9.00	3.25	7.9	896
5.5	10.00	3.50	9.4	1,067
6	11.00	4.00	11.1	1,176
6.5	12.00	4.25	12.8	1,265
7	12.75	4.50	14.9	1,611
7.5	13.75	5.00	17.9	1,779
8	14.75	5.25	20.1	1,915
8.5	15.75	5.50	22.4	2,119
9	16.50	6.00	25.7	3,136
9.5	17.50	6.25	28.4	3,257
10	18.50	6.50	31.3	3,584
10.5	19.50	7.00	35.5	3,869
11	20.50	7.25	39.8	4,321
11.5	21.25	7.50	44.2	5,262
12	22.25	8.00	48.3	5,554
12.5	23.25	8.25	49.5	5,602
13	24.25	8.50	59.3	6,791
13.5	25.00	9.00	65.2	7,533
14	26.00	9.25	69.7	7,870
14.5	27.00	9.50	74.5	8,299
15	28.00	10.00	86.4	9,193

6:1 SLOPE				
H	W	h	CONCRETE (C.Y.)	REINF. STEEL (LBS.)
4	8.25	3.00	6.1	757
4.5	9.25	3.25	7.3	828
5	10.50	3.75	9.6	965
5.5	11.50	4.00	11.1	1,146
6	12.50	4.50	13.0	1,256
6.5	13.50	4.75	14.8	1,346
7	14.50	5.25	18.0	1,753

75° SKEW

2:1 SLOPE						
H	WL	hl	WS	hs	CONCRETE (C.Y.)	REINF. STEEL (LBS.)
4	6.00	2.25	4.50	1.75	2.6	641
4.5	6.75	2.50	5.25	2.00	4.7	710
5	7.50	2.75	5.75	2.25	5.5	790
5.5	8.50	3.00	6.50	2.50	6.7	935
6	9.25	3.25	7.25	2.50	7.7	1,019
6.5	10.00	3.75	7.75	2.75	8.9	1,096
7	11.00	4.00	8.50	3.00	10.8	1,408
7.5	11.75	4.25	9.00	3.25	12.1	1,515
8	12.50	4.50	9.75	3.50	13.6	1,626
8.5	13.50	4.75	10.25	3.75	15.3	1,773
9	14.25	5.00	11.00	4.00	18.1	2,646
9.5	15.00	5.50	11.50	4.25	20.0	2,725
10	16.00	5.75	12.25	4.50	22.2	3,018
10.5	16.75	6.00	12.75	4.75	24.2	3,146
11	17.50	6.25	13.50	4.75	28.1	3,503
11.5	18.50	6.50	14.25	5.00	31.3	4,373
12	19.25	6.75	14.75	5.25	33.6	4,638
12.5	20.00	7.25	15.50	5.50	37.0	4,832
13	20.75	7.50	16.00	5.75	42.0	5,744
13.5	21.25	7.75	16.75	6.00	44.8	6,169
14	22.50	8.00	17.25	6.25	48.4	6,454
14.5	23.25	8.25	18.00	6.50	51.5	6,822
15	24.25	8.75	18.50	6.75	58.5	7,370
15.5	25.00	9.00	19.25	7.00	63.9	8,362
16	25.75	9.25	19.75	7.00	67.3	8,778
16.5	26.75	9.50	20.50	7.25	71.8	10,207
17	27.50	9.75	21.00	7.50	78.2	11,200
17.5	28.25	10.00	21.75	7.75	82.6	11,188
18	29.25	10.50	22.50	8.00	88.0	11,667
18.5	30.00	10.75	23.00	8.25	92.4	11,878
19	30.75	11.00	23.75	8.50	104.9	13,387
19.5	31.75	11.25	24.25	8.75	110.2	15,072
20	32.50	11.50	25.00	9.00	116.7	15,803
20.5	33.25	11.75	25.50	9.00	121.6	16,206
21	34.00	12.25	26.25	9.25	136.2	17,837

3:1 SLOPE						
H	WL	hl	WS	hs	CONCRETE (C.Y.)	REINF. STEEL (LBS.)
4	7.25	2.50	5.75	2.25	4.5	691
4.5	8.25	3.00	6.75	2.50	5.7	761
5	9.00	3.25	7.50	2.75	7.2	861
5.5	10.00	3.75	8.25	3.00	8.5	1,017
6	11.00	4.00	9.00	3.25	9.9	1,122
6.5	12.00	4.25	9.75	3.50	11.4	1,207
7	13.00	4.75	10.50	3.75	13.6	1,537
7.5	14.00	5.00	11.25	4.00	15.7	1,672
8	15.00	5.25	12.00	4.25	17.7	1,801
8.5	15.75	5.75	12.75	4.75	19.7	1,987
9	16.75	6.00	13.75	5.00	23.3	3,019
9.5	17.75	6.25	14.50	5.25	25.7	3,112
10	18.75	6.75	15.25	5.50	28.3	3,426
10.5	19.75	7.00	16.00	5.75	31.4	3,627
11	20.75	7.50	16.75	6.00	35.5	4,061
11.5	21.50	7.75	17.50	6.25	39.5	4,904
12	22.50	8.00	18.25	6.50	42.7	5,207
12.5	23.50	8.50	19.00	6.75	46.3	5,388
13	24.50	8.75	19.75	7.00	53.2	6,454
13.5	25.50	9.00	20.75	7.50	55.3	6,892
14	26.50	9.50	21.50	7.75	64.5	7,348
14.5	27.50	9.75	22.25	8.00	68.8	7,780
15	28.25	10.00	23.00	8.25	74.7	8,379
15.5	29.25	10.50	23.75	8.50	79.6	9,359
16	30.25	10.75	24.50	8.75	84.4	9,839
16.5	31.25	11.00	25.25	9.00	92.9	11,836
17	32.25	11.50	26.00	9.25	101.8	12,984
17.5	33.25	11.75	26.75	9.50	107.4	12,925
18	34.00	12.25	27.75	9.75	111.4	13,414
18.5	35.00	12.50	28.50	10.25	119.7	13,702
19	36.00	12.75	29.25	10.50	131.7	15,117
19.5	37.00	13.25	30.00	10.75	142.2	17,331
20	38.00	13.50	30.75	11.00	151.8	18,121
20.5	39.00	13.75	31.50	11.25	158.9	18,687
21	39.75	14.25	32.25	11.50	176.7	20,378

4:1 SLOPE						
H	WL	hl	WS	hs	CONCRETE (C.Y.)	REINF. STEEL (LBS.)
4	8.00	3.00	6.75	2.50	5.5	730
4.5	9.00	3.25	7.50	2.75	6.4	792
5	10.00	3.75	8.50	3.00	8.3	907
5.5	11.00	4.00	9.25	3.50	9.7	1,070
6	12.25	4.50	10.25	3.75	11.5	1,181
6.5	13.25	4.75	11.00	4.00	13.1	1,267
7	14.25	5.00	12.00	4.25	15.9	1,640
7.5	15.25	5.50	12.75	4.75	18.0	1,768
8	16.25	5.75	13.75	5.00	20.6	1,922
8.5	17.50	6.25	14.50	5.25	23.1	2,125
9	18.50	6.50	15.50	5.50	25.6	3,192
9.5	19.50	7.00	16.25	5.75	29.7	3,370
10	20.50	7.25	17.25	6.25	32.8	3,702
10.5	21.50	7.75	18.00	6.50	35.8	3,787
11	22.50	8.00	19.00	6.75	41.5	4,316
11.5	23.75	8.50	19.75	7.00	45.8	5,381
12	24.75	8.75	20.75	7.50	49.7	5,674
12.5	25.75	9.25	21.75	7.75	54.6	5,991
13	26.75	9.50	22.50	8.00	61.7	6,969
13.5	27.75	10.00	23.50	8.25	66.4	7,560
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