

Member							Design				
			1	2	3		Compress		Tensile		
			9.845	9.929	10.380	<- Length	Angle(deg)	ive Strg.,	slope	Strg., ΦPn	slope
	low L	High L	0.000	7.052	17.510	<- Angle	0	9	-0.05	6	0.03
HDPB 5'-9'	5	9	-	-	-		15	8.25	-0.05	6.45	0.04
HDPB 7'-11'	7	11	OK	OK	OK		30	7.5	-0.05	7.05	0.03
HDPB 10'-15'	10	14	-	-	OK		45	6.75	-0.05	7.5	0.1
HDPB 12'-20'	12	20	-	-	-		60	8.55	0.12	9	0.1
HDPB 15'-26'	15	25	-	-	-		75	10.2	0.11	10.5	0.1
HDPB 22'-35'	22	35	-	-	-		90	12	0.12	12	0.133333
MB 5'-8'	5	8	-	-	-						
MB 8'-14'	8	14	OK	OK	OK						

Member	length			angle							Comp (min)	Ten (min)
	round	interp		round	interp							
	1	9	0.845	0	0.000							
	Compression			Tension	Shoe Tension			Shoe Comp				
	base	slope	total	Total	base	slope	total	base	slope	total		
HDPB 5'-9'	8.7	0	8.7	10.34	6	0.03	6	9	-0.05	9	8.7	6
HDPB 7'-11'	8.7	-1.5	7.4325	10.34	6	0.03	6	9	-0.05	9	7.4325	6
HDPB 10'-15'	-	-	-	-	6	0.03	6	9	-0.05	9	-	-
HDPB 12'-20'	-	-	-	-	6	0.03	6	9	-0.05	9	-	-
HDPB 15'-26'	-	-	-	-	6	0.03	6	9	-0.05	9	-	-
HDPB 22'-35'	-	-	-	-	6	0.03	6	9	-0.05	9	-	-
MB 5'-8'	-	-	-	-	6	0.03	6	9	-0.05	9	-	-
MB 8'-14'	14.371	0	14.37125749	14.37125749	6	0.03	6	9	-0.05	9	14.37126	14.37126

Member	length			angle									Comp	Ten
	round	interp		round	interp									
	1	9.000	0.929	0	7.052									
	Compression			Tension	Shoe Tension			Shoe Comp			(min)	(min)		
	base	slope	total	Total	base	slope	total	base	slope	total				
HDPB 5'-9'	8.7	0	8.7	10.34	6	0.03	6.211552	9	-0.05	8.647413	8.647413	6.211552		
HDPB 7'-11'	8.7	-1.5	7.306267048	10.34	6	0.03	6.211552	9	-0.05	8.647413	7.306267	6.211552		
HDPB 10'-15'	-	-	-	-	6	0.03	6.211552	9	-0.05	8.647413	-	-		
HDPB 12'-20'	-	-	-	-	6	0.03	6.211552	9	-0.05	8.647413	-	-		
HDPB 15'-26'	-	-	-	-	6	0.03	6.211552	9	-0.05	8.647413	-	-		
HDPB 22'-35'	-	-	-	-	6	0.03	6.211552	9	-0.05	8.647413	-	-		
MB 5'-8'	-	-	-	-	6	0.03	6.211552	9	-0.05	8.647413	-	-		
MB 8'-14'	14.371	0	14.37125749	14.37125749	6	0.03	6.211552	9	-0.05	8.647413	14.37126	14.37126		

Member	length			angle									Comp (min)	Ten (min)
	round	interp		round	interp									
	1	10.000	0.380	15	2.510									
	Compression			Tension	Shoe Tension			Shoe Comp						
	base	slope	total	Total	base	slope	total	base	slope	total				
HDPB 5'-9'	-	-	-	-	6.45	0.04	6.550392	8.25	-0.05	8.12451	-	-		
HDPB 7'-11'	7.2	-1.05	6.800811598	10.34	6.45	0.04	6.550392	8.25	-0.05	8.12451	6.800812	6.550392		
HDPB 10'-15'	7.2	-1.05	6.800811598	10.34	6.45	0.04	6.550392	8.25	-0.05	8.12451	6.800812	6.550392		
HDPB 12'-20'	-	-	-	-	6.45	0.04	6.550392	8.25	-0.05	8.12451	-	-		
HDPB 15'-26'	-	-	-	-	6.45	0.04	6.550392	8.25	-0.05	8.12451	-	-		
HDPB 22'-35'	-	-	-	-	6.45	0.04	6.550392	8.25	-0.05	8.12451	-	-		
MB 5'-8'	-	-	-	-	6.45	0.04	6.550392	8.25	-0.05	8.12451	-	-		
MB 8'-14'	14.371	0	14.37125749	14.37125749	6.45	0.04	6.550392	8.25	-0.05	8.12451	14.37126	14.37126		