

			Member						Design Compress		Design Tensile			
			1	2	3				ive Strg.,	slope	Strg., ΦPn	slope		
			8.125	8.227	8.227	<- Length				Angle(deg)				
	low L	High L	0.000	8.426	8.426	<- Angle				0	9	-0.05	6	0.03
HDPB 5'-9'	5	9	OK	OK	OK					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	-	-	-					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	8	0.125	0	0.000							
	Compression			Tension	Shoe Tension			Shoe Comp				
	base	slope	total	Total	base	slope	total	base	slope	total		
HDPB 5'-9'	10.335	-1.635	10.130625	10.34	6	0.03	6	9	-0.05	9	9	6
HDPB 7'-11'	10.335	-1.635	10.130625	10.34	6	0.03	6	9	-0.05	9	9	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'	14.371	0	14.37125749	14.37125749	6	0.03	6	9	-0.05	9	14.37126	14.37126
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 (min)	Ten (min)
	round	interp	round	interp										
	1	8.000	0.227	0	8.426									
	Compression			Tension	Shoe Tension			Shoe Comp						
	base	slope	total	Total	base	slope	total	base	slope	total				
HDPB 5'-9'	10.335	-1.635	9.964233001	10.34	6	0.03	6.252785	9	-0.05	8.578691	8.578691	6.252785		
HDPB 7'-11'	10.335	-1.635	9.964233001	10.34	6	0.03	6.252785	9	-0.05	8.578691	8.578691	6.252785		
HDPB 10'-15'	-	-	-	-	6	0.03	6.252785	9	-0.05	8.578691	-	-		
HDPB 12'-20'	-	-	-	-	6	0.03	6.252785	9	-0.05	8.578691	-	-		
HDPB 15'-26'	-	-	-	-	6	0.03	6.252785	9	-0.05	8.578691	-	-		
HDPB 22'-35'	-	-	-	-	6	0.03	6.252785	9	-0.05	8.578691	-	-		
MB 5'-8'	14.371	0	14.37125749	14.37125749	6	0.03	6.252785	9	-0.05	8.578691	14.37126	14.37126		
MB 8'-14'	14.371	0	14.37125749	14.37125749	6	0.03	6.252785	9	-0.05	8.578691	14.37126	14.37126		

Member	length			angle									Comp (min)	Ten (min)
	round		interp	round		interp								
	1	8.000	0.227	0	8.426									
	Compression			Tension	Shoe Tension			Shoe Comp						
	base	slope	total	Total	base	slope	total	base	slope	total				
HDPB 5'-9'	10.335	-1.635	9.964233001	10.34	6	0.03	6.252785	9	-0.05	8.578691	8.578691	6.252785		
HDPB 7'-11'	10.335	-1.635	9.964233001	10.34	6	0.03	6.252785	9	-0.05	8.578691	8.578691	6.252785		
HDPB 10'-15'	-	-	-	-	6	0.03	6.252785	9	-0.05	8.578691	-	-		
HDPB 12'-20'	-	-	-	-	6	0.03	6.252785	9	-0.05	8.578691	-	-		
HDPB 15'-26'	-	-	-	-	6	0.03	6.252785	9	-0.05	8.578691	-	-		
HDPB 22'-35'	-	-	-	-	6	0.03	6.252785	9	-0.05	8.578691	-	-		
MB 5'-8'	14.371	0	14.37125749	14.37125749	6	0.03	6.252785	9	-0.05	8.578691	14.37126	14.37126		
MB 8'-14'	14.371	0	14.37125749	14.37125749	6	0.03	6.252785	9	-0.05	8.578691	14.37126	14.37126		