

Member						Design Compress		Design Tensile			
			1	2	3	<- Length	Angle(deg)	ive Strg.,	slope	Strg., ΦPn	slope
			9.855	10.390	10.390	<- Angle					
	low L	High L	0.000	17.494	17.494		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	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	0.855	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	7.4175	10.34	6	0.03	6	9	-0.05	9	7.4175	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 (min)	Ten (min)
	1	round 10.000	interp 0.390	round 15	interp 2.494								
	Compression			Tension	Shoe Tension			Shoe Comp					
	base	slope	total	Total	base	slope	total	base	slope	total			
HDPB 5'-9'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
HDPB 7'-11'	7.2	-1.05	6.790852448	10.34	6.45	0.04	6.549762	8.25	-0.05	8.125298	6.790852	6.549762	
HDPB 10'-15'	7.2	-1.05	6.790852448	10.34	6.45	0.04	6.549762	8.25	-0.05	8.125298	6.790852	6.549762	
HDPB 12'-20'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
HDPB 15'-26'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
HDPB 22'-35'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
MB 5'-8'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
MB 8'-14'	14.371	0	14.37125749	14.37125749	6.45	0.04	6.549762	8.25	-0.05	8.125298	14.37126	14.37126	

Member	length			angle								Comp (min)	Ten (min)
	round	interp		round	interp								
	1	10.000	0.390	15	2.494								
Compression			Tension		Shoe Tension			Shoe Comp					
base	slope	total	Total	base	slope	total	base	slope	total				
HDPB 5'-9'	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-		
HDPB 7'-11'	7.2	-1.05	6.790852448	10.34	6.45	0.04	6.549762	8.25	-0.05	8.125298	6.790852	6.549762	
HDPB 10'-15'	7.2	-1.05	6.790852448	10.34	6.45	0.04	6.549762	8.25	-0.05	8.125298	6.790852	6.549762	
HDPB 12'-20'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
HDPB 15'-26'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
HDPB 22'-35'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
MB 5'-8'	-	-	-	-	6.45	0.04	6.549762	8.25	-0.05	8.125298	-	-	
MB 8'-14'	14.371	0	14.37125749	14.37125749	6.45	0.04	6.549762	8.25	-0.05	8.125298	14.37126	14.37126	