				Member									Design			Design	
			1	2	3								Compres	is		Tensile	
			9.855	10.390	10.390	<- Length						Angle(deg)	ive Strg.	, slo	pe St	trg., ΦPn	slope
	low L	High L	0.000	17.494	17.494	<- 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	ОК	OK	ОК							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	0.1	12	9	0.1
HDPB 15'-26'	15	25	-	-	-							75	10.2	0.1	11	10.5	0.1
HDPB 22'-35'	22	35	-	-	-							90	12	0.1	12	12	0.133333
MB 5'-8'	5	8	-	-	-												
MB 8'-14'	8	14	OK	OK	OK												
			longth		lo.												
			length	ang													
Member	1	round 9	interp 0.855	round 0	interp 0.000												
Wember		ompressio		Tension	0.000	Shoe Tension			Shoe Comp		Comp	Ten					
ļ	base	slope	total	Total	base	slope	total	base	slope	total	(min)	(min)					
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'	-	-1.5	7.4173	10.54	6	0.03	6	9	-0.05	9	7.4173	-					
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							
					U	0.03			0.05								
	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					
	14.371		14.37125749 length	14.37125749 ang		0.03	6	9	-0.05	9	14.37126	14.37126					
	14.371					0.03	6	9	-0.05	9	14.37126	14.37126					
	14.371		length	ang	le			9			14.37126	14.37126					
MB 8'-14'	1	round	length interp 0.390	round 15 Tension	le interp 2.494	Shoe Tension			Shoe Comp		Comp	Ten					
MB 8'-14'	1 Consistency	round 10.000	length interp 0.390	round 15 Tension Total	interp 2.494 base	Shoe Tension	total	base	Shoe Comp	total							
MB 8'-14' Member HDPB 5'-9'	1 Cobase	round 10.000 ompression slope	length interp 0.390 on total	round 15 Tension Total	le interp 2.494 base 6.45	Shoe Tension slope 0.04	total 6.549762	base 8.25	Shoe Comp slope -0.05	total 8.125298	Comp (min) -	Ten (min) -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11'	t Cobase - 7.2	round 10.000 ompressio slope - -1.05	length interp 0.390 on total - 6.790852448	round 15 Tension Total - 10.34	base 6.45 6.45	Shoe Tensior slope 0.04 0.04	total 6.549762 6.549762	base 8.25 8.25	Shoe Comp slope -0.05 -0.05	total 8.125298 8.125298	Comp (min) - 6.790852	Ten (min) - 6.549762					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15'	1 base - 7.2 7.2	round 10.000 ompression slope - -1.05 -1.05	length interp 0.390 on total - 6.790852448 6.790852448	round 15 Tension Total - 10.34 10.34	base 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04	total 6.549762 6.549762 6.549762	base 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298	Comp (min) -	Ten (min) - 6.549762					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20'	1 base - 7.2 7.2	round 10.000 ompressio slope - -1.05 -1.05	length interp 0.390 on total - 6.790852448 6.790852448	round 15 Tension Total - 10.34 10.34	base 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852	Ten (min) - 6.549762 6.549762 -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20' HDPB 15'-26'	1 Co	round 10.000 ompression slope - -1.05 -1.05 -	length interp 0.390 on total - 6.790852448 6.790852448	round 15 Tension Total - 10.34 10.34	base 6.45 6.45 6.45 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852 - -	Ten (min) - 6.549762 6.549762 - -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 12'-20' HDPB 12'-20' HDPB 15'-26' HDPB 22'-35'	1 base - 7.2 7.2	round 10.000 ompressio slope - -1.05 -1.05	length interp 0.390 on total - 6.790852448 6.790852448	round 15 Tension Total - 10.34 10.34	base 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852	Ten (min) - 6.549762 6.549762 -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20' HDPB 12'-20' HDPB 22'-35' MB 5'-8'	1 Company Comp	round 10.000 ompressic slope - -1.05 -1.05 - -	length interp 0.390 on total 6.790852448 6.790852448	round 15 Tension Total 10.34 10.34	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852 - - -	Ten (min) - 6.549762 6.549762 - - -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 12'-20' HDPB 12'-20' HDPB 15'-26' HDPB 22'-35'	1 Co	round 10.000 ompression slope - -1.05 -1.05 -	length interp 0.390 on total - 6.790852448 6.790852448	round 15 Tension Total - 10.34 10.34	base 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852 - - -	Ten (min) - 6.549762 6.549762 - -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20' HDPB 12'-20' HDPB 22'-35' MB 5'-8'	1 Company Comp	round 10.000 ompressio slope - -1.05 -1.05 - - -	length interp 0.390 on total 6.790852448 6.790852448	round 15 Tension Total 10.34 10.34	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852 - - -	Ten (min) - 6.549762 6.549762 - - -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20' HDPB 12'-20' HDPB 22'-35' MB 5'-8'	1 Company Comp	round 10.000 ompressio slope - -1.05 -1.05 - - -	length interp 0.390 on total - 6.790852448 14.37125749	round 15 Tension Total - 10.34 10.34 14.37125749	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852 - - -	Ten (min) - 6.549762 6.549762 - - -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20' HDPB 12'-20' HDPB 22'-35' MB 5'-8'	1 Company Comp	round 10.000 ompressio slope - -1.05 -1.05 - -	length interp 0.390 on total - 6.790852448 6.790852448 14.37125749 length	round 15 Tension Total - 10.34 10.34 14.37125749	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852 - - -	Ten (min) - 6.549762 6.549762 - - -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 15'-26' HDPB 12'-20' HDPB 22'-35' MB 5'-8' MB 8'-14'	1 Cbase - 7.2 7.2 - - - 14.371	round 10.000 ompressio slope - -1.05 -1.05 - - 0	length interp (0.390 on total - 6.790852448 6.790852448 14.37125749 length interp (0.390	round 15 Tension Total 10.34 10.34 14.37125749 ang	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852 - - -	Ten (min) - 6.549762 6.549762 - - -					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20' HDPB 15'-26' HDPB 22'-35' MB 5'-8' MB 8'-14' Member	1 Cbase - 7.2 7.2 - - - 14.371	round 10.000 ompressic slope1.05 -1.05 0 round 10.000	length interp (0.390 on total - 6.790852448 6.790852448 14.37125749 length interp (0.390	round 15 Tension Total - 10.34 10.34 14.37125749 ang	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) - 6.790852 6.790852 - - - 14.37126	Ten (min) - 6.549762 14.37126					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 15'-26' HDPB 12'-35' MB 5'-8' MB 8'-14' Member HDPB 5'-9'	1 Cobase - 7.2	round 10.000 compressic slope1.05 -1.05 0 round 10.000 compressic slope - slope -	length interp 0.390 on total - 6.790852448 6.790852448 14.37125749 length interp 0.390 on total	round 15 Tension Total 10.34 10.34 10.34 10.34 10.35 Tension Total 15 Tension Total 15 Tension Total	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min)	Ten (min) (6.549762 6.549762 14.37126					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 15'-26' HDPB 22'-35' MB 5'-8' MB 8'-14' Member HDPB 5'-9' HDPB 7'-11'	1 C base	round 10.000 ompressic slope1.051.05 0 round 10.000 ompressic slope1.05	length interp 0.390 on total - 6.790852448 interp 0.390 on total - 6.790852448 interp 0.390 on total - 6.790852448	round 15 Tension Total - 10.34 10.34 14.37125749 ang round 15 Tension Total - 10.34	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min)	Ten (min) 6.549762 14.37126					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20' HDPB 15'-26' HDPB 22'-35' MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15'	1 Cobase	round 10.000 compressic slope1.05 -1.05 0 round 10.000 compressic slope - slope -	length interp 0.390 on total - 6.790852448 6.790852448 14.37125749 length interp 0.390 on total	round 15 Tension Total 10.34 10.34 10.34 10.34 10.35 Tension Total 15 Tension Total 15 Tension Total	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 total total 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 total 8.125298 8.125298	Comp (min)	Ten (min) (6.549762 6.549762 14.37126					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 12'-20' HDPB 15'-26' HDPB 22'-35' MB 5'-8' MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20'	1 C base	round 10.000 ompressic slope1.051.05 0 round 10.000 ompressic slope1.05	length interp 0.390 on total - 6.790852448 interp 0.390 on total - 6.790852448 interp 0.390 on total - 6.790852448	round 15 Tension Total - 10.34 10.34 14.37125749 ang round 15 Tension Total - 10.34 10.34 - 10.34	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tensior slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 total 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 total 8.125298 8.125298 8.125298	Comp (min)	Ten (min) 6.549762 14.37126					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 15'-26' HDPB 22'-35' MB 5'-8' MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 10'-15' HDPB 12'-20' HDPB 15'-26'	1 Cobase	round 10.000 ompressic slope -1.05 -1.05 - 0 round 10.000 ompressic slope -1.05 -1.05	length interp 0.390 on total	round 15 Tension Total 10.34 10.34 10.34 10.34 10.35 Tension Total 15 Tension Total 15 Tension Total 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min)	Ten (min) 6.549762 14.37126					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 12'-20' HDPB 15'-26' HDPB 22'-35' MB 5'-8' MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 12'-20' HDPB 12'-20' HDPB 12'-20' HDPB 15'-26' HDPB 22'-35'	1 C base	round 10.000 ompressic slope - -1.05 - - 0 round 10.000 ompressic slope - -1.05	length interp 0.390 on total	round 15 Tension Total - 10.34 10.34 14.37125749 ang round 15 Tension Total - 10.34 10.34 - 10.34	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min)	Ten (min) 6.549762 6.549762 - 14.37126 Ten (min) 6.549762 - 6.549762					
MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 15'-26' HDPB 22'-35' MB 5'-8' MB 8'-14' Member HDPB 5'-9' HDPB 7'-11' HDPB 10'-15' HDPB 10'-15' HDPB 12'-20' HDPB 15'-26'	1 Cobase	round 10.000 ompressic slope - -1.05 - - 0 round 10.000 ompressic slope - -1.05	length interp 0.390 on total	round 15 Tension Total 10.34 10.34 10.34 10.34 10.35 Tension Total 15 Tension Total 15 Tension Total 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	base 6.45 6.45 6.45 6.45 6.45 6.45 6.45 6.45	Shoe Tension slope 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	total 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762 6.549762	base 8.25 8.25 8.25 8.25 8.25 8.25 8.25 8.25	Shoe Comp slope -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	total 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298 8.125298	Comp (min) 	Ten (min) 6.549762 6.549762 - 14.37126 Ten (min) 6.549762 - 6.549762					