



BALLAST (POUNDS)	ZERO VELOCITY LOAD (PSF)	T REQUIREMENTS TABLE DESIGN WIND VELOCITIES COEFFICIENT OF FRICTION = .50					
		EL = 0 °		$EL = 20^{\circ}$		$EL = 40^{\circ}$	
		Vmax	Vs	Vmax	Vs	Vmax	Vs
500	5.0	87	67	103	75	112	92
750	7.5	107	82	131	92	142	113
		125	95	154	107	167	131
1250	12.5	139	106	169	119	189	146
	15.0	148	117	180	131	203	160
1750	17.5	157	126	190	141	211	173
2000	20.0	165	135	196	151	211	185
500	5.0	58	45	65	50	69	61
750	7.5	71	55	83	61	89	75
1000	10.0	83	63	99	71	106	87
1250	12.5	93	71	112	79	120	97
1500	15.0	99	78	120	87	129	107
1750	17.5	105	84	127	94	137	115
2000	20.0	110	90	130	101	141	123
2250	22.5	115	95	130	107	141	131
2500	25.0	120	100	130	113	141	138
2750	27.5	125	105	130	118	141	141
3000	30.0	127	110	130	123	141	141
750	7.5	53	41	57	46	60	56
1000	10.0	62	47	69	53	73	65
1250	12.5	69	53	79	59	84	73
1500	15.0	74	58	85	65	90	80
1750	17.5	78	63	91	70	96	86
	20.0	82	67	97	75	102	92
					1		98
							103
		94	79	98	88	103	103
3000	30.0	95	82	98	92	103	103
	1000 1250 1500 1750 2000 500 750 1000 1250 1500 1250 2500 2250 2500 250	100010.0125012.5150015.0175017.5200020.05005.07507.5100010.0125012.5150015.0175017.5200020.0225022.5250025.0275027.5300030.07507.5100010.0125012.5150015.0175017.5200020.0225022.5250020.0225022.5250025.0	1000 10.0 125 1250 12.5 139 1500 15.0 148 1750 17.5 157 2000 20.0 165 500 5.0 58 750 7.5 71 1000 10.0 83 1250 12.5 93 1500 15.0 99 1750 17.5 105 2000 20.0 110 2250 22.5 115 2500 25.0 120 2750 27.5 125 3000 30.0 127 750 7.5 53 1000 10.0 62 1250 12.5 69 1500 15.0 74 1750 17.5 78 2000 20.0 82 2250 22.5 86 2500 25.0 90	100010.012595125012.5139106150015.0148117175017.5157126200020.01651355005.058457507.57155100010.08363125012.59371150015.09978175017.510584200020.011090225022.511595250025.0120100275027.5125105300030.01271107507.55341100010.06247125012.56953150015.07458175017.57863200020.08267225022.58671250025.09075275027.59479	100010.012595154125012.5139106169150015.0148117180175017.5157126190200020.01651351965005.05845657507.5715583100010.0836399125012.59371112150015.09978120175017.510584127200020.011090130225022.511595130250025.0120100130275027.5534157100010.0624769125012.5695379150015.0745885175017.5786391200020.0826797225022.5867198250025.0907598250025.0907598275027.5947998	100010.012595154107125012.5139106169119150015.0148117180131175017.5157126190141200020.01651351961515005.0584565507507.571558361100010.083639971125012.5937111279150015.0997812087175017.51058412794200020.011090130101225022.511595130107250025.012010013011327507.553415746100010.062476953125012.569537959150015.074588565175017.578639170200020.082679775225022.586719880250025.090759884250025.090759884	100010.012595154107167125012.5139106169119189150015.0148117180131203175017.5157126190141211200020.01651351961512115005.058456550697507.57155836189100010.083639971106125012.5937111279120150015.0997812087129150015.0997812087129175017.51058412794137200020.011090130101141225022.511595130107141250025.0120100130113141275027.5125105130118141300030.01271101301231417507.55341574660100010.06247695373125012.56953795984150015.07458856590175017.57863917096 <td< th=""></td<>