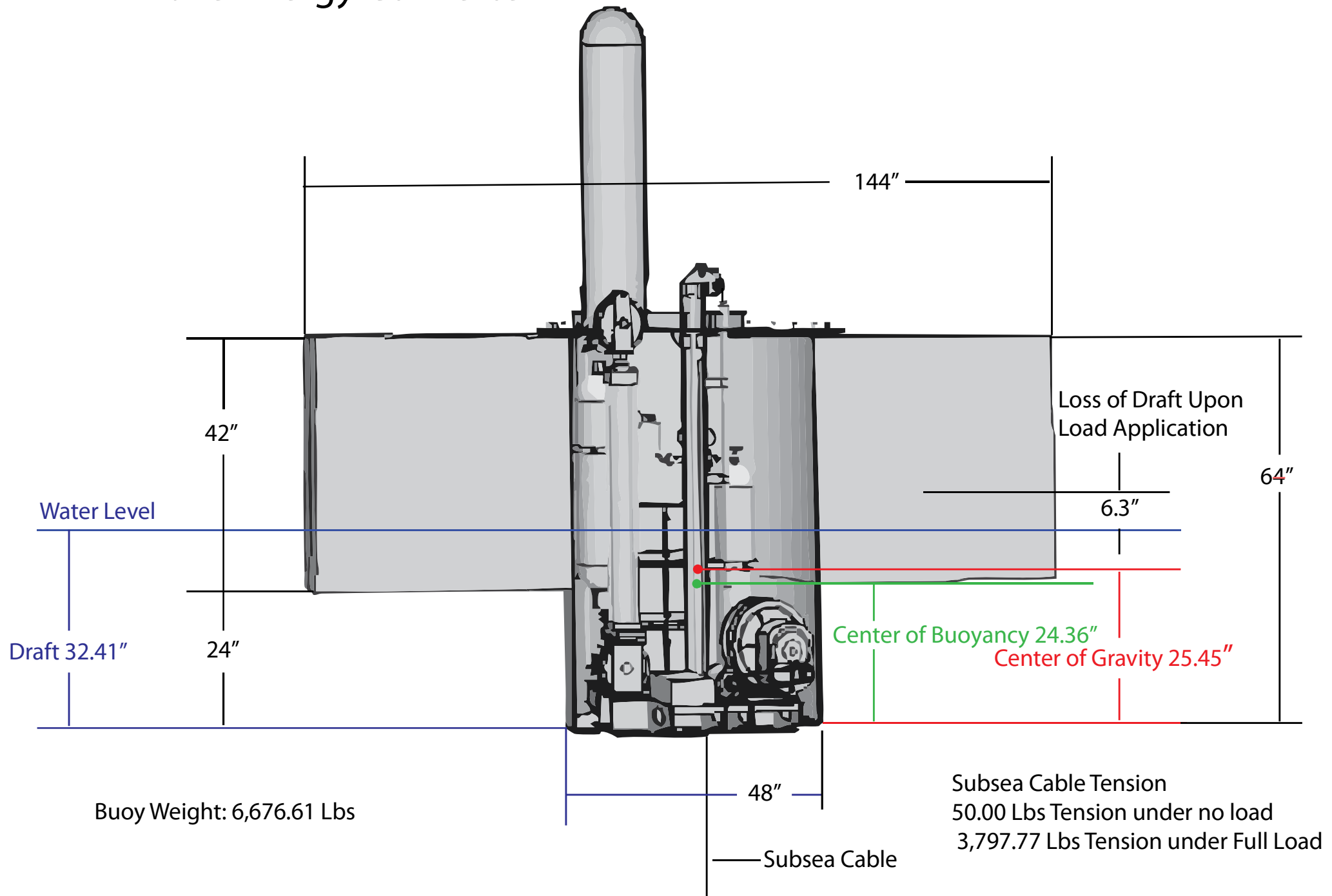
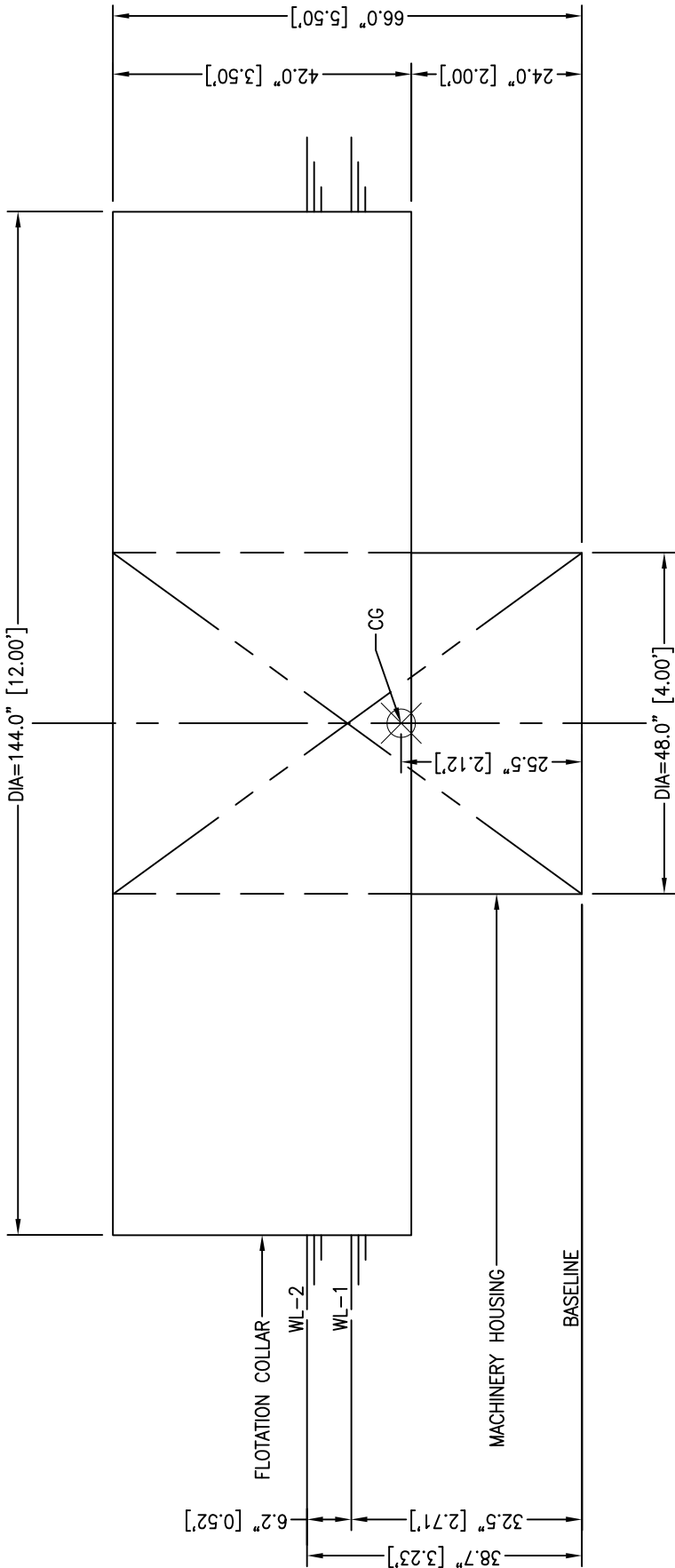


4 Kw Wave Energy Converter





NOTE:
WL-2 IS AT MAX CABLE TENSION (3798 LBS).
WL-1 IS AT MIN CABLE TENSION (50 LBS).
BUOY WEIGHT = 6677 LBS.

4 KW WAVE ENERGY CONVERTER
GENERAL ARRANGEMENT
1/2"=1'-0" 19-JUNE-2026

06/18/26 09:35:55

GHS 11.50

4 KW WAVE ENERGY CONVERTER

4PWRBUOY

CONDITION 1: 50 LBS CABLE TENSION (MINIMUM LOAD)

WEIGHT STATUS

Baseline draft: 2.707 @ Origin

Part-----	Weight(LB)----	LCG-----	TCG-----	VCG-----
LIGHT SHIP	6,677	0.00	0.00	2.12
Subsea Pull	50	0.00	0.00	0.00
Total Weight----->	6,727	0.00	0.00	2.11
Distances in FEET.-----				

HYDROSTATIC PROPERTIES

Trim: Fwd 0.01 deg., No Heel, VCG = 2.11

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/					
Draft----	Weight(LB)----	LCB-----	VCB-----	Inch-----	LCF--	Deg trim----	GML-----	GMT	
2.707	6,728	0.00	2.03	603	0.00	1129.56	9.62	9.61	
Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LB.									
Draft is from Baseline.									

RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 2.11

Origin	Degrees of	Displacement	Righting Arms		
Depth---	Trim---	Heel---	Weight(LB)----	in Trim--	in Heel--
2.707	0.00	0.00	6,727	0.00	0.000
2.697	0.01a	5.00s	6,727	0.00	0.841
2.649	0.01f	10.00s	6,728	0.00	1.598
2.505	0.01a	15.00s	6,727	0.00	2.029
2.289	0.01f	20.00s	6,729	0.00	2.296
2.027	0.00	25.00s	6,729	0.00	2.503
1.731	0.00	30.00s	6,728	0.00	2.686
1.414	0.00	35.00s	6,727	0.00	2.853
1.095	0.00	40.00s	6,727	0.00	2.983
0.771	0.00	45.00s	6,726	0.00	3.057
0.553	0.00	48.31s	6,727	0.00	3.070
0.441	0.00f	50.00s	6,727	0.00	3.067
0.105	0.00	55.00s	6,729	0.00	3.021
-0.236	0.00	60.00s	6,727	0.00	2.929
-0.577	0.01f	65.00s	6,728	0.00	2.796
-0.918	0.04a	70.00s	6,728	0.00	2.628
-1.257	0.01f	75.00s	6,727	0.00	2.427
-1.594	0.03a	80.00s	6,727	0.00	2.197
-1.930	0.01f	85.00s	6,728	0.00	1.936
-2.265	0.04a	90.00s	6,728	0.00	1.645
Distances in FEET.---Specific Gravity = 1.025.-----					

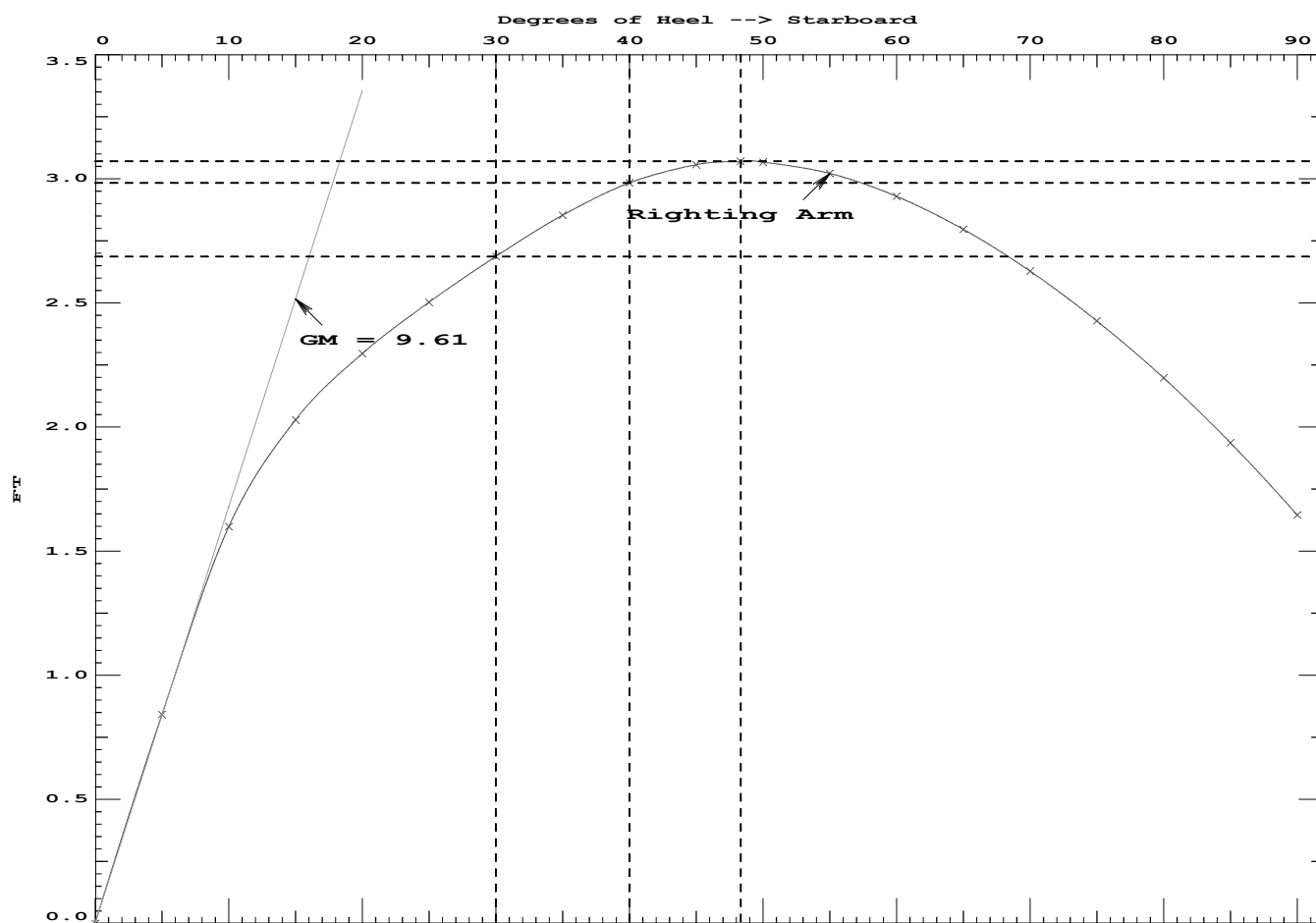
06/18/26 09:35:55

GHS 11.50

4 KW WAVE ENERGY CONVERTER

4PWRBUOY

CONDITION 1: 50 LBS CABLE TENSION (MINIMUM LOAD)



06/18/26 09:35:55
GHS 11.50

4 KW WAVE ENERGY CONVERTER
CONDITION 2: 6677 LBS CABLE TENSION (FULL LOAD)

4PWRBUOY

WEIGHT STATUS

Baseline draft: 3.225 @ Origin

Part-----	Weight(LB)----	LCG-----	TCG-----	VCG-----
LIGHT SHIP	6,677	0.00	0.00	2.12
Subsea Pull	3,798	0.00	0.00	0.00
Total Weight----->	10,475	0.00	0.00	1.35
Distances in FEET.-----				

HYDROSTATIC PROPERTIES

Trim: Fwd 0.01 deg., Heel: 0.00 deg., VCG = 1.35

LCF	Displacement	Buoyancy-Ctr.	Weight/	Moment/					
Draft----	Weight(LB)----	LCB-----	VCB-----	Inch-----	LCF--	Deg trim----	GML-----	GMT	
3.225	10,475	0.00	2.37	603	0.00	1323.58	7.24	7.23	
Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LB.									
Draft is from Baseline.									

RIGHTING ARMS vs HEEL ANGLE

LCG = 0.00 TCG = 0.00 VCG = 1.35

Origin	Degrees of	Displacement	Righting Arms		
Depth---	Trim---	Heel---	Weight(LB)----	in Trim--	in Heel--
3.225	0.01a	0.00	10,475	0.00	0.000
3.212	0.01f	5.00s	10,475	0.00	0.633
3.176	0.01a	10.00s	10,475	0.00	1.273
3.104	0.01f	15.00s	10,475	0.00	1.888
2.958	0.00	20.00s	10,473	0.00	2.348
2.746	0.00f	25.00s	10,476	0.00	2.687
2.499	0.00	30.00s	10,476	0.00	2.907
2.235	0.00	35.00s	10,475	0.00	3.049
1.961	0.01f	40.00s	10,474	0.00	3.140
1.683	0.00	45.00s	10,475	0.00	3.194
1.404	0.00	50.00s	10,475	0.00	3.219
1.312	0.00f	51.65s	10,476	0.00	3.221
1.122	0.00	55.00s	10,475	0.00	3.213
0.834	0.01f	60.00s	10,475	0.00	3.172
0.542	0.03a	65.00s	10,475	0.00	3.097
0.245	0.01f	70.00s	10,475	0.00	2.991
-0.055	0.04a	75.00s	10,475	0.00	2.857
-0.354	0.01f	80.00s	10,475	0.00	2.697
-0.651	0.03a	85.00s	10,475	0.00	2.513
-0.948	9.96a	90.00s	10,475	0.00	2.274
Distances in FEET.---Specific Gravity = 1.025.-----					

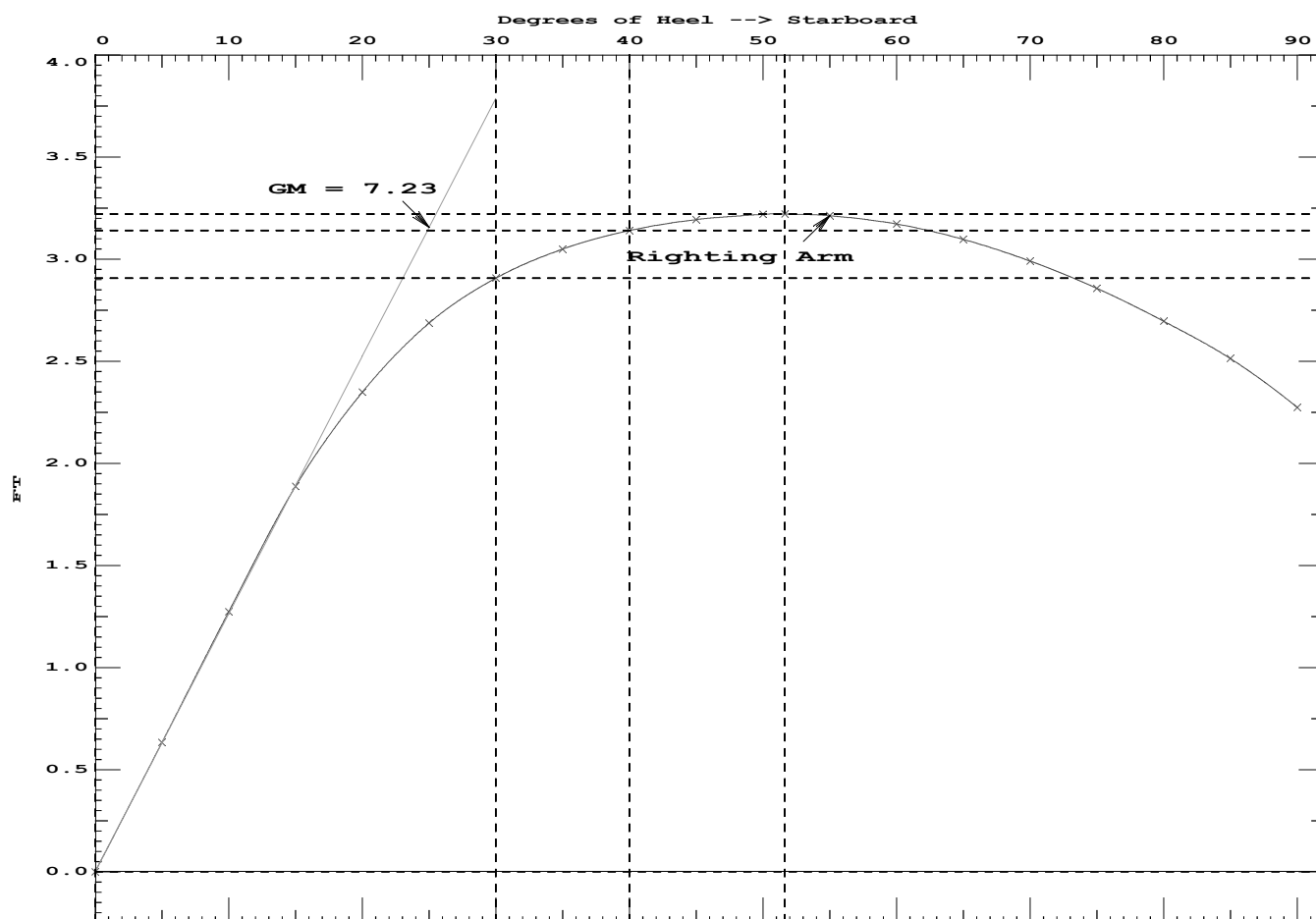
06/18/26 09:35:55

GHS 11.50

4 KW WAVE ENERGY CONVERTER

4PWRBUOY

CONDITION 2: 6677 LBS CABLE TENSION (FULL LOAD)



06/18/26 09:35:55
GHS 11.50

4 KW WAVE ENERGY CONVERTER

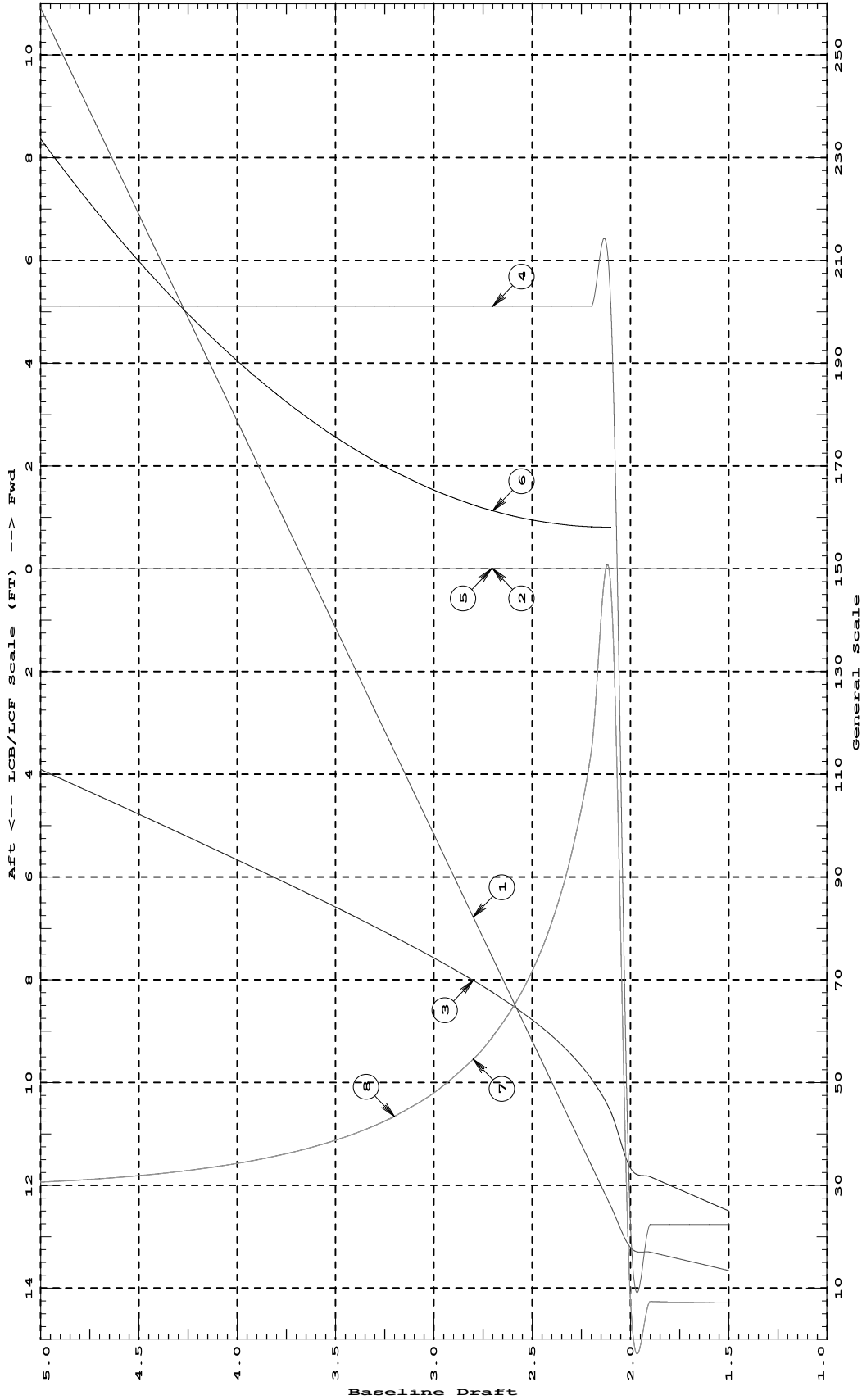
4PWRBUOY

HYDROSTATIC PROPERTIES
No Trim, No Heel, VCG = 2.11

	LCF	Displacement	Buoyancy-Ctr.		Weight/	Moment/			
	Draft----	Weight (LB)	LCB----	VCB----	Inch----	LCF--	Deg trim----	KML----	KMT
	5.000	23,326	0.00	3.33	603	0.00	1636.07	6.12	6.12
	4.900	22,602	0.00	3.28	603	0.00	1600.13	6.16	6.16
	4.800	21,878	0.00	3.22	603	0.00	1565.45	6.20	6.20
	4.700	21,154	0.00	3.17	603	0.00	1532.03	6.25	6.25
	4.600	20,430	0.00	3.12	603	0.00	1499.87	6.31	6.31
	4.500	19,706	0.00	3.07	603	0.00	1468.98	6.38	6.37
	4.400	18,982	0.00	3.01	603	0.00	1439.35	6.45	6.45
	4.300	18,258	0.00	2.96	603	0.00	1410.99	6.53	6.53
	4.200	17,534	0.00	2.91	603	0.00	1383.89	6.63	6.62
	4.100	16,811	0.00	2.85	603	0.00	1358.05	6.73	6.73
	4.000	16,087	0.00	2.80	603	0.00	1333.48	6.85	6.85
	3.900	15,363	0.00	2.75	603	0.00	1310.17	6.99	6.99
	3.800	14,639	0.00	2.69	603	0.00	1288.12	7.15	7.14
	3.700	13,915	0.00	2.64	603	0.00	1267.34	7.32	7.32
	3.600	13,191	0.00	2.58	603	0.00	1247.82	7.52	7.52
	3.500	12,467	0.00	2.52	603	0.00	1229.57	7.76	7.75
	3.400	11,743	0.00	2.47	603	0.00	1212.58	8.02	8.01
	3.300	11,019	0.00	2.41	603	0.00	1196.85	8.33	8.32
COND 2	3.225	10,476	0.00	2.37	603	0.00	1185.88	8.59	8.58
	3.200	10,295	0.00	2.35	603	0.00	1182.39	8.68	8.68
	3.000	8,848	0.00	2.23	603	0.00	1157.25	9.60	9.59
	2.800	7,400	0.00	2.10	603	0.00	1137.17	10.91	10.90
COND 1	2.707	6,727	0.00	2.03	603	0.00	1129.55	11.73	11.71
	2.700	6,676	0.00	2.03	603	0.00	1129.03	11.79	11.78
	2.600	5,952	0.00	1.95	603	0.00	1122.15	12.91	12.89
	2.500	5,228	0.00	1.87	603	0.00	1116.53	14.34	14.33
	2.400	4,504	0.00	1.77	603	0.00	1112.18	16.25	16.23
	2.300	3,780	0.00	1.66	603	0.00	1109.09	18.91	18.89
	2.200	3,056	0.00	1.52	603	0.00	1107.27	22.86	22.84
	2.100	2,333	0.00	1.33	603	0.00	1106.70	29.29	29.26
	2.000	1,609	0.00	1.00	67	0.00	-16.97	1.50	1.50
	1.900	1,528	0.00	0.95	67	0.00	-16.75	1.48	1.48
	1.800	1,448	0.00	0.90	67	0.00	-16.39	1.46	1.45
	1.700	1,367	0.00	0.85	67	0.00	-15.89	1.44	1.44
	1.600	1,287	0.00	0.80	67	0.00	-15.25	1.43	1.42
	1.500	1,206	0.00	0.75	67	0.00	-14.47	1.42	1.42

Distances in FEET.-----Specific Gravity = 1.025.-----Moment in Ft-LB.
Draft is from Baseline.

HYDROSTATIC PROPERTIES at LEVEL TRIM



Specific Gravity = 1.025 Assumed KG = 2.11 FT
"K" = Baseline