

OVER  
**35**  
YEARS

# LIFTBOAT EXPERIENCE IN THE GULF OF MEXICO



**MONTCO**

Established 1948



## L/B ROBERT -- CLASS 335'

SELF-ELEVATING VESSEL -- YEAR BUILT -- 2011

OFFICIAL NUMBER 1237383 – IMO 9649809 -- CALL SIGN – WDG2290 – MMSI - 367514120

### DIMENSIONS:

Length	185' (56m)
Beam	135' (41m)
Depth (Barge Only)	15' (4.5m)
Design Draft	10' (3m)

### HULL CHARACTERISTICS:

Gross Tonnage	< 500T
Open Deck Area ¾" Plate	11,750 ft <sup>2</sup> (1,092 m <sup>2</sup> )
Load Capacity (¾"Plate)	840 lbs/ft <sup>2</sup> (4,100 kg/m <sup>2</sup> )
Total Usable Space	15,400 ft <sup>2</sup> (1,431 m <sup>2</sup> )
Material	ABS Grade A 36 KSI
Max Variable Load	1,500,000 lbs (680,400 kg)

### LEGS:

Number	3
Length	335' (102m)
Size	114" (2.9m)
Material	API 5LX-70 KSI- 1 7/8" (4.76cm) Wall

### PADS:

Length	45' (13.7m)
Width	30' (9.1m)
Depth	6' (1.8m)
Configuration	Raked -Non Buoyant

### CRANE CAPACITY:

Number	4
Primary Crane	500Tons @ 34' (10m) Radius
Boom Length	140' (43m) or 200' (61m) Lattice
Heel Pin	15' (4.57m) Above Deck
Starboard Crane	60 Tons @ 15' (4.5m) Radius
Boom Length	80'-115' (24-35m) Telescoping
Stern Crane	25 Tons @ 12' (3.7m) Radius
Boom Length	70' (21m) Fixed
Port Amidship Crane	10 Tons @ 8' (2.44m) Radius
Boom Length	50' (15.24m) Fixed
All Cranes API-2C Certified ABS Classed	

### PROPULSION:

Configuration	Diesel-Electric
Thruster Motors	2x TECO 2,466 HP Each
Thrusters Model	Steerprop SP 25 D
Bow Thrusters	Berg TFFT-211, 400 kW Tunnel
Estimated Speed	6 kts (3m/s)

### CAPACITIES:

Fuel	74,674 gal (282,672 l)
Potable Water	112,012 gal (424,011 l)
Lube Oil	1,120 gal (4,239 l)
Submersible Pumps	2 @ 300 GPM

### GENERATORS:

Main Gensets 2 x Cat 3516C	2,350 kW
Aux Gensets 2 x Cat C32	1000 kW
Total Power	6,700 kW
Configuration	Automated Father-Son
Emergency Generator Cat C6.6	158 kW

### LIVING QUARTERS:

Berths	148 Total (20 Crew/128 PACs)
Galley	Dual-Cooking/Serving/Mess Area
Laundry	(10) Washers and (10) Dryers

### NAVIGATION EQUIPMENT:

Kongsberg cPos DP-1, Dual-Radars, GPS/AIS  
VHF's, Fathometer, Gyro-Compass x2, Inclinometer  
Ultrasonic Anemometer x3, GMDSS Station

### JACKING:

Max Working Water Depth	280' (85m)
Max Height of Deck above mud line (Subtract Penetration)	302' (92m)

### SPECIAL FEATURES:

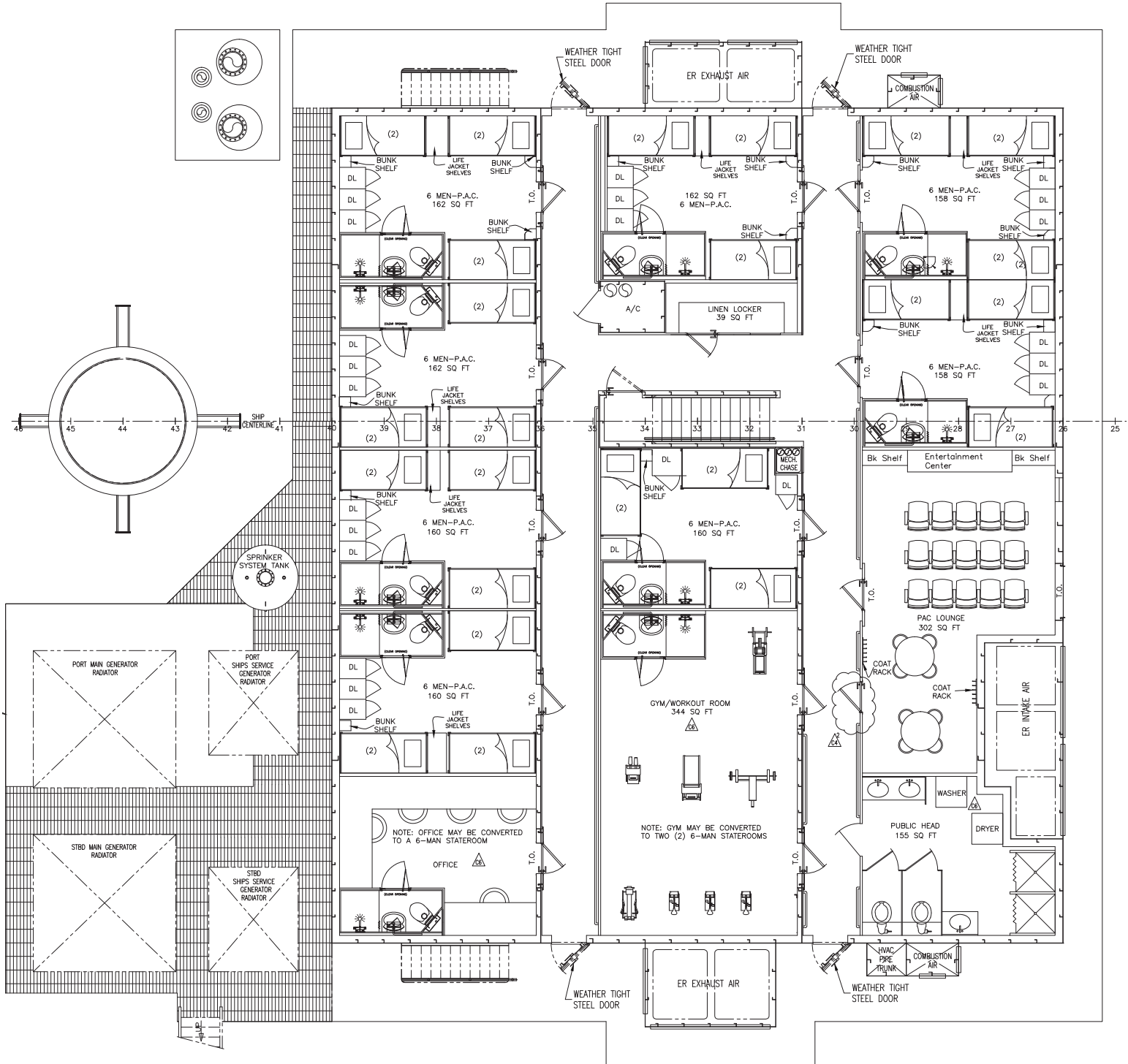
Helideck Sikorski S-92 capable  
Water makers (2) 12,000 gal/day (each)  
Inspection/Light-Work ROV w/1500' Tether & Mesotech  
Marine Sewage Treatment System  
Zero Discharge Capability  
Walk-In Cooler and Freezer

### FUEL CONSUMPTION:

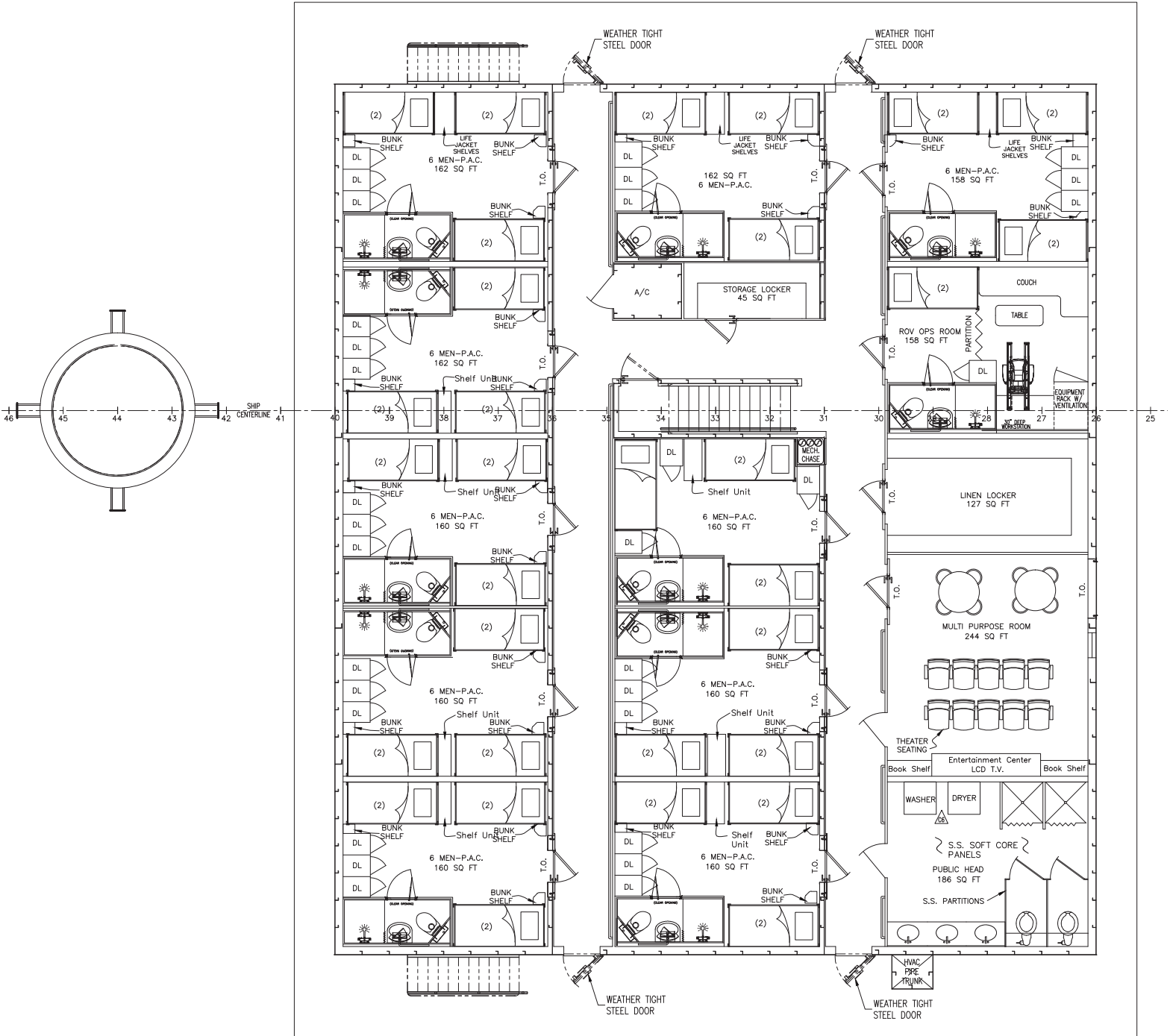
Main Generators Range (While Underway)	80±10 gph
Aux Generators Range (While Elevated Ops)	35±5 gph

### REGULATORY BODIES:

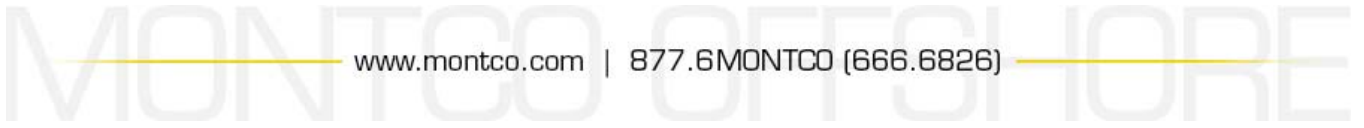
USCG - O.S.V. Sub Chapter L  
ABS – Classed  A1 SEU, Wind IMR  
SOLAS, MNS DPS 1 ACCU, Helideck USCG & CAP-437

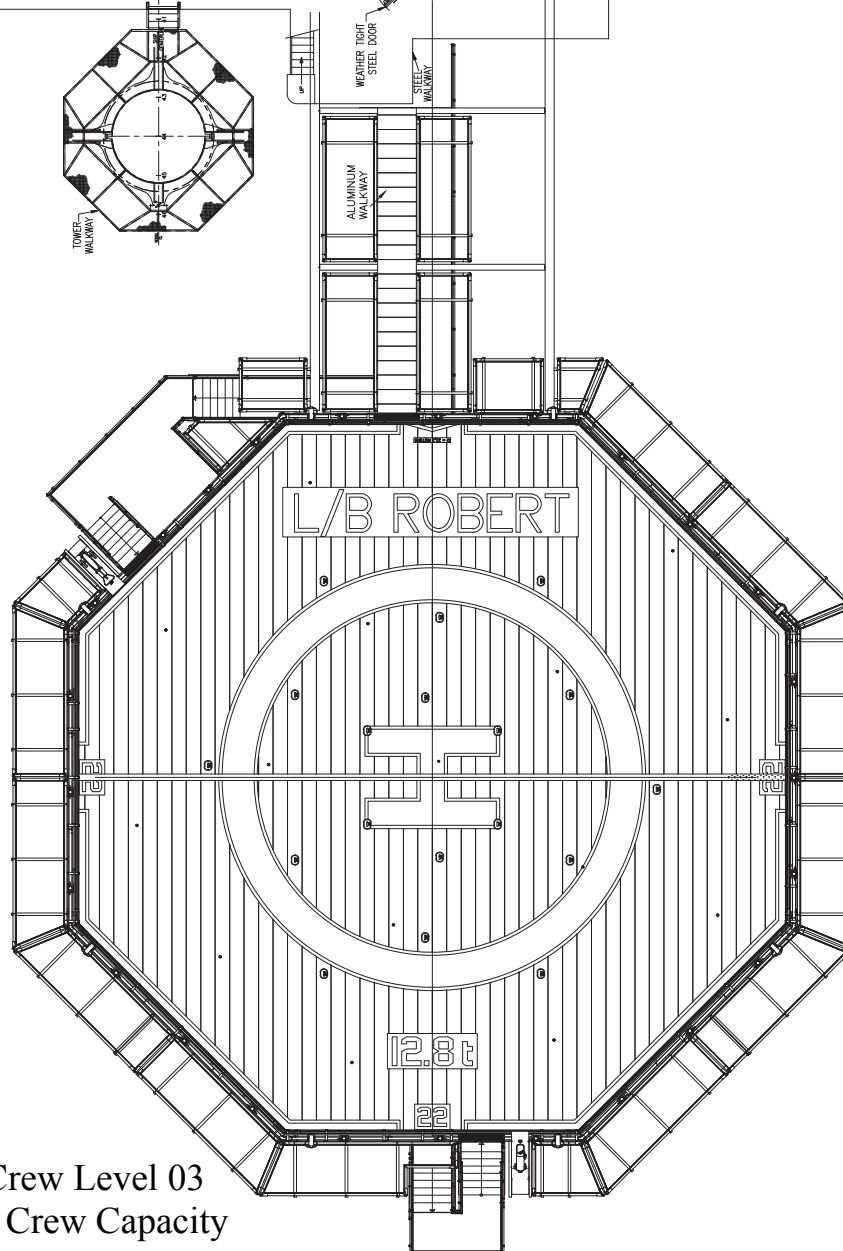
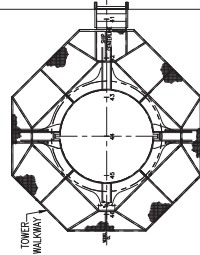
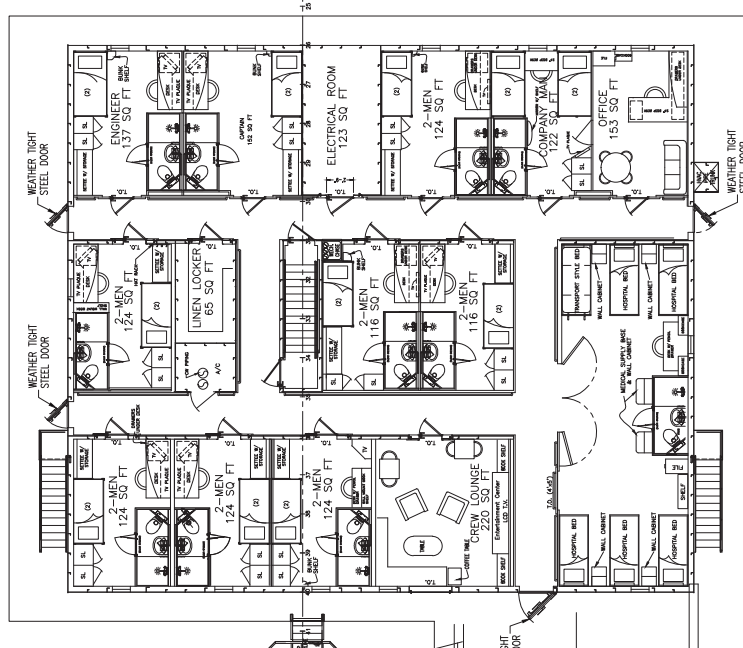


PAC Level 01  
 48 PAC Current-Capacity  
 66 PAC Max-Capacity

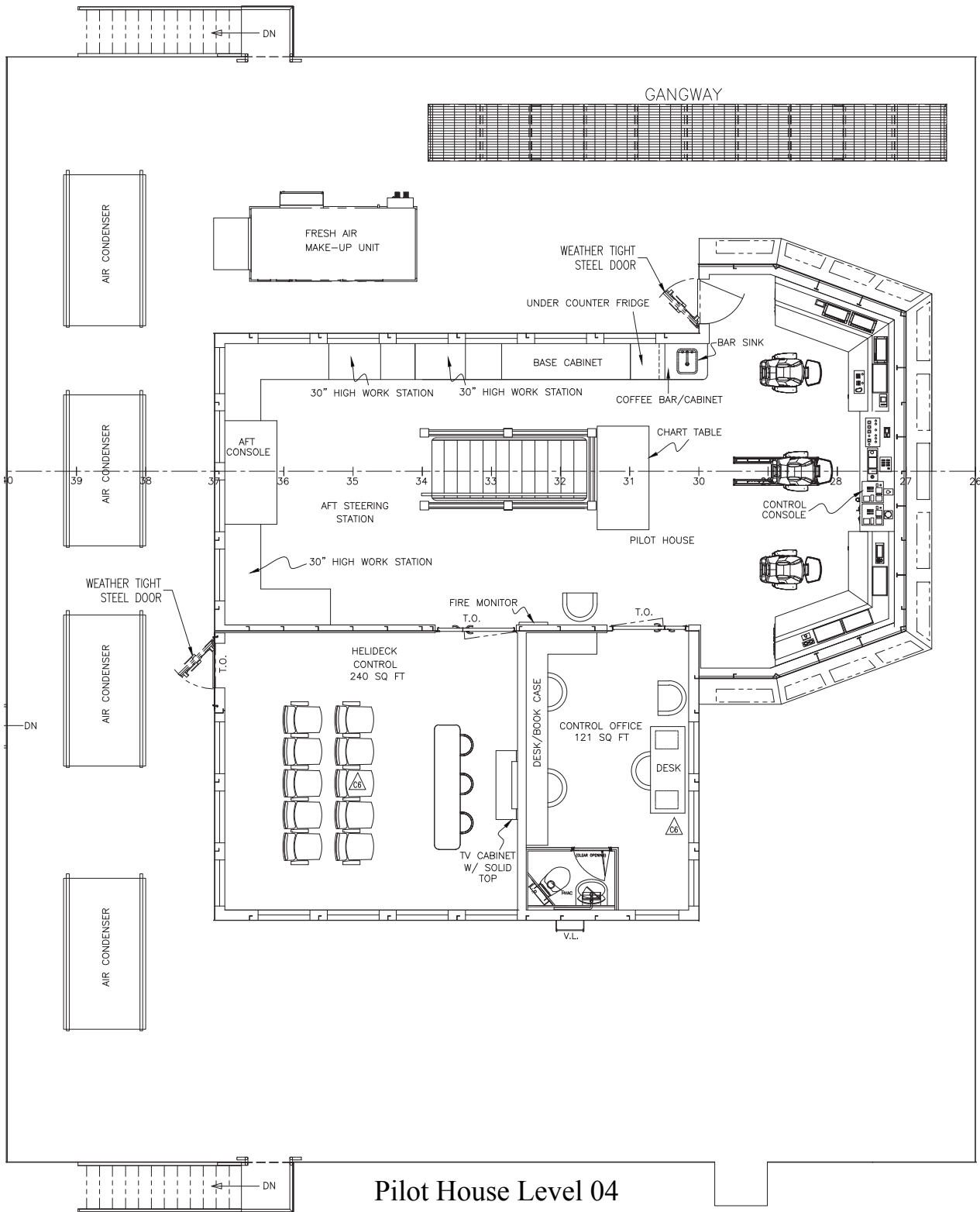


PAC Level 02  
62 PAC Capacity



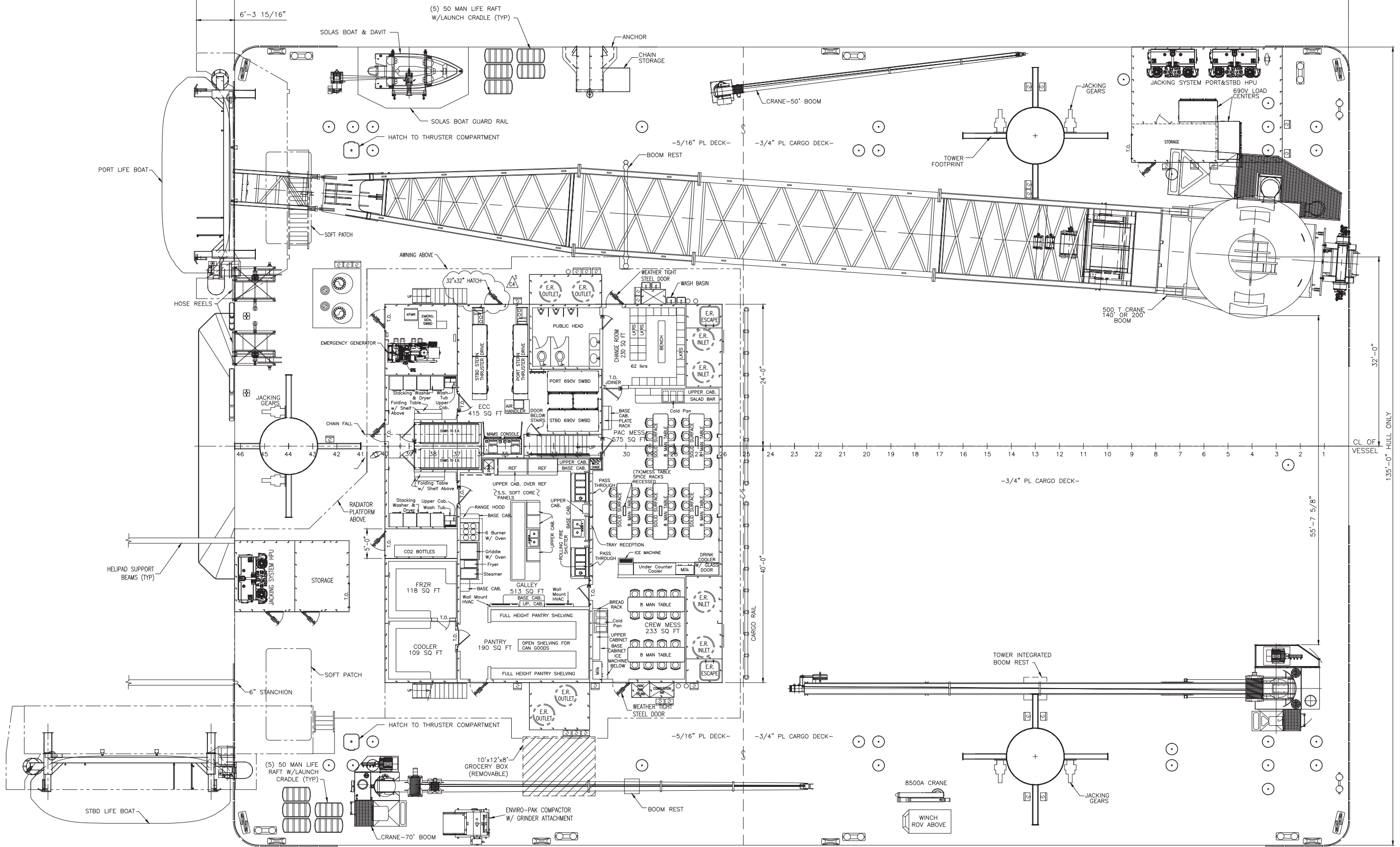


Crew Level 03  
20 Crew Capacity

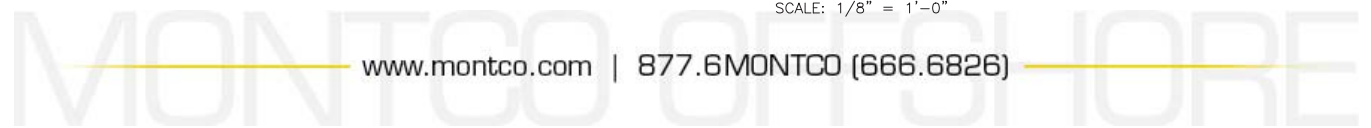


Pilot House Level 04

191'-0" LOA  
185'-0" HULL ONLY



MAIN DECK PLAN  
SCALE: 1/8" = 1'-0"



# Nautilus Model 7000L-140 Main Hoist

## API SPEC 2C OFFBOARD RATINGS

		ABS Heavy Lift	1 Ft. Deck Motion	2 Ft. Deck Motion	3 Ft. Deck Motion	4 Ft. Deck Motion	5 Ft. Deck Motion	6 Ft. Deck Motion
		Onboard	Offboard	Offboard	Offboard	Offboard	Offboard	Offboard
		Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings
RADIUS (FT)	BOOM ANGLE (DEG)	LBS	LBS	LBS	LBS	LBS	LBS	LBS
39	82	1,000,005	806,290	806,290	806,290	806,290	806,290	806,290
40	81	1,000,005	806,290	806,290	806,290	806,290	806,290	806,290
45	79	1,000,005	806,290	806,290	806,290	806,290	806,290	806,290
50	77	1,000,005	806,290	806,290	806,290	806,290	806,290	758,511
55	75	925,880	770,149	769,826	769,196	768,692	743,917	677,924
60	73	851,482	727,662	727,380	726,829	717,563	667,984	610,549
65	71	789,884	690,476	690,227	689,740	650,138	603,775	553,538
70	68	737,423	657,169	656,947	639,464	592,404	548,907	505,503
75	66	686,773	623,904	623,736	587,628	543,222	502,267	463,477
80	64	637,742	579,980	579,827	541,703	499,737	461,112	425,758
85	62	593,876	540,951	540,811	501,333	461,598	425,094	391,740
90	59	554,905	506,043	505,915	465,631	427,945	393,385	361,856
95	57	520,053	474,635	473,009	433,889	398,098	365,325	335,471
100	54	488,700	446,226	442,782	405,538	371,507	340,389	312,076
105	51	460,345	420,405	415,603	380,118	347,728	318,147	291,260
110	49	434,576	396,834	391,079	357,250	326,400	298,252	272,690
115	46	411,054	375,229	368,887	336,627	307,226	280,422	255,921
120	43	389,498	355,355	348,763	317,996	289,968	264,429	241,101
125	39	369,670	337,010	330,492	301,155	274,435	250,094	226,774
130	36	351,370	319,676	313,515	285,579	260,133	236,952	211,159
135	32	334,427	303,931	298,529	271,941	247,709	225,623	196,584
140	27	318,694	289,268	285,057	259,807	236,770	215,754	182,804
145	22	304,044	275,575	273,182	249,308	227,485	207,541	169,519
150	14	282,228	262,740	262,710	241,194	220,719	196,095	156,236
153	0	250,534	228,906	228,910	228,918	224,566	178,225	141,532



# Nautilus Model 7000L-200 Main Hoist

## API SPEC 2C OFFBOARD RATINGS

RADIUS (FT)	BOOM ANGLE (DEG)	ABS Heavy Lift	1 Ft. Deck Motion	2 Ft. Deck Motion	3 Ft. Deck Motion	4 Ft. Deck Motion	5 Ft. Deck Motion	6 Ft. Deck Motion
		Onboard	Offboard	Offboard	Offboard	Offboard	Offboard	Offboard
		Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings
		LBS	LBS	LBS	LBS	LBS	LBS	LBS
47	82	631,845	464,472	463,757	462,365	461,251	459,979	459,315
50	81	562,061	438,068	437,419	436,153	435,141	433,984	433,380
55	80	503,976	403,012	402,447	401,345	400,464	399,457	398,932
60	78	458,864	374,692	374,193	373,220	372,442	371,552	371,088
65	77	422,603	351,163	350,717	349,848	349,152	348,358	347,943
70	75	392,643	331,155	330,753	329,969	329,342	328,626	328,252
75	74	367,322	313,805	313,440	312,729	312,159	311,509	311,169
80	72	345,513	298,507	298,174	297,524	297,003	296,409	296,098
85	71	326,422	284,821	284,515	283,918	283,440	282,894	282,609
90	69	309,475	272,421	272,139	271,588	271,148	270,644	270,381
95	68	294,248	261,060	260,799	260,290	259,882	259,416	259,173
100	66	280,416	250,549	250,306	249,834	249,455	249,023	248,797
105	64	267,733	240,736	240,511	240,071	239,719	239,318	239,108
110	63	256,003	231,504	231,294	230,885	230,557	230,182	229,987
115	61	245,070	222,756	222,560	222,178	221,873	221,523	221,341
120	59	234,809	214,414	214,231	213,874	213,588	213,262	213,092
125	58	225,116	206,411	206,240	205,907	205,640	205,335	205,176
130	56	215,907	198,693	198,533	198,221	197,971	197,686	197,538
135	54	207,110	191,211	191,061	190,770	190,537	190,270	190,131
140	52	198,662	183,924	183,784	183,512	183,294	183,045	182,915
145	50	190,510	176,794	176,664	176,410	176,206	175,974	175,853
150	49	182,607	169,788	169,666	169,430	169,240	169,023	168,910
155	47	174,910	162,872	162,759	162,539	162,362	162,161	162,055
160	44	167,377	156,014	155,909	155,705	155,541	155,354	155,257
165	42	159,972	149,181	149,084	148,895	148,744	148,571	148,481
170	40	152,653	142,337	142,248	142,074	141,935	141,776	141,693
175	38	145,381	135,440	135,358	135,199	135,072	134,926	134,850
180	35	138,108	128,439	128,365	128,221	128,105	127,973	127,904
185	32	130,780	121,268	121,202	121,072	120,968	120,850	120,788
190	29	123,328	113,834	113,775	113,661	113,569	113,465	113,410
195	26	115,653	105,992	105,941	105,843	105,764	105,674	105,627
200	22	107,607	97,489	97,447	97,365	97,300	97,225	97,186
205	18	98,932	87,778	87,747	87,685	87,635	87,578	87,548
210	11	89,071	75,048	75,030	74,994	74,965	74,932	74,915
213	0	76,140	55,385	55,389	55,395	55,401	55,407	55,411



# Nautilus Model 7000L-200 Aux Hoist (2- 4 Part Line) Supply Vessel

## API SPEC 2C OFFBOARD RATINGS

		Onboard 2 Part Line	Onboard 4 Part Line	1 Ft. Deck Motion 2 Part	1 Ft. Deck Motion 4 Part	2 Ft. Deck Motion 2 Part	2 Ft. Deck Motion 4 Part	3 Ft. Deck Motion 2 Part	3 Ft. Deck Motion 4 Part	4 Ft. Deck Motion 2 Part	4 Ft. Deck Motion 4 Part	5 Ft. Deck Motion 2 Part	5 Ft. Deck Motion 4 Part	6 Ft. Deck Motion 2 Part	6 Ft. Deck Motion 4 Part	1-6 Ft. Deck Motion 2 Part	1-6 Ft. Deck Motion 4 part
		Onboard	Onboard	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Offboard (Supply Vessel)	Personnel	Personnel
		Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings
RADIUS (FT)	BOOM ANGLE (DEG)	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS
49	82	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
50	81	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
55	80	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
60	79	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
65	78	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
70	76	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
75	75	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
80	74	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
85	72	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
90	71	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
95	69	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
100	68	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
105	66	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
110	65	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
115	63	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
120	62	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
125	60	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
130	59	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
135	57	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
140	56	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
145	54	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
150	52	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
155	50	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
160	49	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
165	47	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
170	45	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
175	43	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
180	41	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
185	39	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
190	36	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
195	34	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
200	31	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
205	29	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
210	26	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
215	22	50,000	100,003	50,000	100,003	50,000	100,003	50,000	100,003	50,000	93,000	50,000	88,000	50,000	82,000	13,000	28,000
220	18	50,000	93,611	50,000	92,935	50,000	92,761	50,000	92,555	50,000	92,364	50,000	88,000	50,000	82,000	13,000	28,000
225	12	50,000	83,120	50,000	82,719	50,000	82,613	50,000	82,488	50,000	82,372	50,000	82,251	50,000	82,000	13,000	28,000
228	0	50,000	67,020	50,000	67,020	50,000	67,020	50,000	67,020	50,000	67,020	50,000	67,020	50,000	67,020	13,000	28,000

# Nautilus Model 7000L-200 Aux Hoist (2- 4 Part Line) Construction Vessel

## API SPEC 2C OFFBOARD RATINGS

		Onboard 2 Part Line	Onboard 4 Part Line	1 Ft. Deck Motion 2 Part	1 Ft. Deck Motion 4 Part	2 Ft. Deck Motion 2 Part	2 Ft. Deck Motion 4 Part	3 Ft. Deck Motion 2 Part	3 Ft. Deck Motion 4 Part	4 Ft. Deck Motion 2 Part	4 Ft. Deck Motion 4 Part	5 Ft. Deck Motion 2 Part	5 Ft. Deck Motion 4 Part	6 Ft. Deck Motion 2 Part	6 Ft. Deck Motion 4 Part	1-6 Ft. Deck Motion 2 Part	1-6 Ft. Deck Motion 4 part
		Onboard	Onboard	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Offboard (Construction Vessel)	Personnel	Personnel
		Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings	Ratings
RADIUS (FT)	BOOM ANGLE (DEG)	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS	LBS
49	82	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
50	81	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
55	80	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
60	79	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
65	78	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
70	76	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
75	75	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
80	74	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
85	72	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
90	71	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
95	69	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
100	68	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
105	66	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
110	65	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
115	63	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
120	62	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
125	60	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
130	59	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
135	57	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
140	56	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
145	54	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
150	52	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
155	50	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
160	49	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
165	47	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
170	45	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
175	43	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
180	41	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
185	39	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
190	36	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
195	34	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
200	31	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
205	29	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
210	26	50,000	100,003	50,000	100,003	50,000	100,003	50,000	98,000	50,000	94,000	50,000	90,000	44,000	87,000	13,000	28,000
215	22	50,000	100,003	50,000	96,934	50,000	95,096	50,000	93,969	50,000	93,358	50,000	90,000	44,000	87,000	13,000	28,000
220	18	50,000	93,611	50,000	88,938	50,000	87,148	50,000	86,080	50,000	85,525	50,000	84,964	44,000	84,433	13,000	28,000
225	12	50,000	83,120	50,000	78,703	50,000	76,973	50,000	75,977	50,000	75,491	50,000	75,002	44,000	74,532	13,000	28,000
228	0	50,000	67,020	50,000	62,970	50,000	61,325	50,000	60,439	50,000	60,059	50,000	59,679	44,000	59,299	13,000	28,000

## Main Hoist Net Lift Capacity Chart

Nautilus Model **340BT-80/115** Marine Crane

WIRE ROPE: Six Part 7/8" Dyform-34 HSLR  
HOIST: Braden Model CH400A-70144-02-1

### 80' RETRACTED

RADIUS (FT)	ANGLE (DEG)	ONBOARD		OFFBOARD $C_v=1.33$	
		LOW SPEED (LB)	HIGH SPEED (LB)	LOW SPEED (LB)	HIGH SPEED (LB)
12.1	82	120,000	80,000	80,000	80,000
15	80	120,000	80,000	80,000	80,000
20	76	100,506	80,000	66,337	66,337
25	73	82,274	80,000	54,183	54,183
30	69	69,417	80,000	45,611	45,611
35	65	59,807	80,000	39,205	39,205
40	61	52,297	80,000	34,198	34,198
45	57	46,211	80,000	30,141	30,141
50	53	41,117	80,000	26,745	26,745
55	48	36,717	80,000	23,811	23,811
60	43	32,780	80,000	21,187	21,187
65	37	29,096	80,000	18,731	18,731
70	31	25,403	80,000	16,269	16,269
75	22	21,156	80,000	13,437	13,437
80	0	9,053	80,000	5,369	5,369

All ratings are in accordance with "API Specification 2C, Sixth Edition, September 1, 2004."

The above ratings are "Net" ratings, as the load block weight of 2,000 lbs has been accounted for.

120,000 lbs = Load Block Onboard Rating  
80,000 lbs = Load Block Offboard Rating

Crane is equipped with a two-speed main hoist hydraulic circuit that automatically shifts from High to Low Speed when the hook load exceeds approximately 80,000 lbs.

## Main Hoist Net Lift Capacity Chart

Nautilus Model **340BT-80/115** Marine Crane

WIRE ROPE: Six Part 7/8" Dyform-34 HSLR  
HOIST: Braden Model CH400A-70144-02-1

### 115' EXTENDED

RADIUS (FT)	ANGLE (DEG)	ONBOARD		OFFBOARD $C_v=1.33$	
		LOW SPEED (LB)	HIGH SPEED (LB)	LOW SPEED (LB)	HIGH SPEED (LB)
16.9	82	79,765	79,765	52,510	52,510
20	81	80,169	80,169	52,779	52,779
25	78	78,089	78,089	51,393	51,393
30	76	65,596	65,596	43,064	43,064
35	73	56,303	56,303	36,869	36,869
40	70	49,101	49,101	32,067	32,067
45	68	43,339	43,339	28,226	28,226
50	65	38,608	38,608	25,072	25,072
55	62	34,641	34,641	22,427	22,427
60	59	31,250	31,250	20,167	20,167
65	56	28,304	28,304	18,203	18,203
70	53	25,703	25,703	16,469	16,469
75	50	23,371	23,371	14,914	14,914
80	47	21,246	21,246	13,497	13,497
85	43	19,275	19,275	12,183	12,183
90	40	17,406	17,406	10,937	10,937
95	35	15,585	15,585	9,723	9,723
100	31	13,736	13,736	8,491	8,491
105	25	11,733	11,733	7,155	7,155
110	18	9,258	9,258	5,505	5,505
115	0	2,029	2,029	686	686

All ratings are in accordance with "API Specification 2C, Sixth Edition, September 1, 2004." Ratings are applicable for a crane on a fixed platform with zero offlead, sidelead and wind.

# Stern Crane

## Main Hoist Lift Capacity Chart

Nautilus Model **60B3A-70** Marine Crane

WIRE ROPE: Four Part Reeving of 3/4" Dyform 18HSLR  
HOIST: Braden Model CH210A-36120-02-1

RADIUS (FT)	ANGLE (DEG)	ONBOARD RATED LOAD (LBS)	OFFBOARD RATED LOAD ( $C_v = 2.0$ ) (LBS)
12	81	50,000 / 22,680 kg	33,333 / 15,120 kg
15	78	50,000	33,333
20	74	43,759	28,876
25	70	34,184	22,493
30	65	27,642	18,131
35	61	22,887	14,961
40	56	19,275	12,553
45	51	16,438	10,662
50	45	14,149	9,136
55	39	12,263	7,879
60	32	10,682	6,825
65	23	9,334	5,926
70	0	6,394	3,966

All ratings are in accordance with "API Specification 2C, Sixth Edition September 1, 2004."

50,000 lbs = Load Block Onboard Rating  
33,333 lbs = Load Block Offboard Rating

The above ratings are "Net" ratings, as the load block weight of 890 lbs has been accounted for.



MARINE CRANES  
HOUMA, LOUISIANA 70363  
(985) 868-0630

MODEL : 35B4A-50  
SERIAL NUMBER : 079902C  
MONTCO OFFSHORE



OIL STATES INDUSTRIES, INC.

MAIN HOIST				
FOUR PART REEVING				
RADIUS (FT)	BOOM ANGLE (DEG)	ONBOARD LIFT (LBS)	OFFBOARD LIFT (LBS)	PERSONNEL LIFT (LBS)
8.8	81	20,048	19,550	5,699
10	79	20,048	19,373	5,699
15	73	20,048	15,074	4,725
20	67	16,805	11,053	3,384
25	61	13,208	8,655	2,585
30	54	10,820	7,063	2,054
35	47	9,119	5,929	1,676
40	38	7,847	5,081	1,394
45	27	6,860	4,423	1,174
50	0	5,254	3,353	818

DESIGN CONDITIONS	
METHOD USED	DEFAULT DYNAMIC
HOOK DROP	165 FT
MIN HOOK SPEED	27 FPM

NOTE:

- 1) OFFBOARD LIFTS BASED ON SWL\*Cv
- 2) Cv IS THE VERTICAL DYNAMIC COEFFICIENT DETERMINED BY THREE METHODS
  - \* VESSEL SPECIFIC METHOD - USED FOR DETERMINING RATINGS FOR FLOATING PLATFORM / VESSEL
  - \* GENERAL METHOD - USED FOR DETERMINING RATINGS FOR FLOATING PLATFORM / VESSEL OR FIXED PLATFORM
  - \* DEFAULT DYNAMIC METHOD - OFFBOARD LIFTS FROM FIXED PLATFORM (Cv=2.0)
- 3) SHEAVE EFFICIENCY CONSIDERED.
- 4) THE ABOVE RATINGS ARE NET RATINGS AS THE MAIN LOAD BLOCK WEIGHT OF 450 LBS HAS ALREADY BEEN SUBTRACTED TO DETERMINE "NET" CAPACITY.
- 5) REFERENCE MANUAL FOR REEVING DIAGRAMS.
- 6) REFERENCE INFORMATION CHART FOR REEVING DETAILS.
- 7) ALL RATINGS IN ACCORDANCE WITH API SPECIFICATION 2C (SPEC 2C), SIXTH EDITION, SEPTEMBER 2004.

REV: A  
P/N: N2012SK3-017