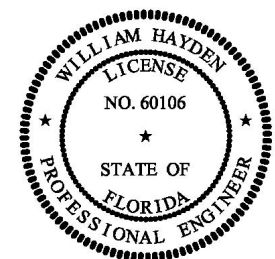
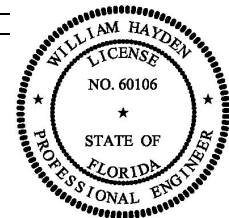


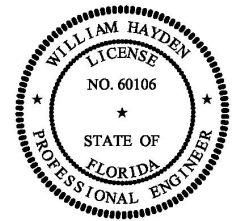
DeJong & Lebet Inc		1734 Emerson St		Project #			Vessel:		4.9.18	By:MIC	Rev. Date:	Rev. 0	
Note: all measurements are from MS @ Fr 0 and baseline		Jacksonville, FL 32207		D&L Dwg #17-1372-0205			65' NCDOT Tug				4.9.18		
		Telephone (904) 399-3673		Weight Group:			Weight Summation						
ITEM DESCRIPTION	Length/Ht	Width/Area	No. Pcs	Unit Weight (lbs)	Weight (LT)	VCG (A.B.L.)	VM (ft-LTs)	LCG (ft. + aft of FR.0)	LM (ft-LTs)	TCG (ft. + Stbd.)	TM (ft-LTs)	Comments	
WEIGHT SUMMATION													
100 STRUCTURAL WEIGHTS					104.34	7.29	760.32	36.34	3,792.01	0.00	0.00		
1-1/2% PAINT WEIGHT					1.57	7.29	11.40	36.34	56.88	0.00	0.00		
3% MILL TOLERANCE					3.13	7.29	22.81	36.34	113.76	0.00	0.00		
3% WELDING					3.13	7.29	22.81	36.34	113.76	0.00	0.00		
2% MARGIN FOR BRACKETS, ETC					2.09	7.29	15.21	36.34	75.84	0.00	0.00		
STRUCTURAL TOTAL					114.25	7.29	832.55	36.34	4,152.25	0.00	0.00		
200 PROPULSION WEIGHTS					10.79	4.85	52.37	52.86	570.55	0.00	0.00		
300 ELECTRICAL & MACHINERY WEIGHTS					14.04	13.87	194.79	49.41	693.67	0.00	0.00		
500 AUXILLARY SYSTEM WEIGHTS					3.10	10.29	31.90	40.21	124.61	0.00	0.00		
600 OUTFITTING WEIGHTS					10.39	15.19	157.81	33.39	346.99	0.00	0.00		
WEIGHT SUMMATION SUBTOTAL					152.58	8.32	1,269.43	38.59	5,888.06	0.00	0.00		
5%MARGIN					7.63		63.47		294.40		0.00		
WEIGHT SUMMATION TOTAL					160.21	8.32	1,332.90	38.59	6,182.46	0.00	0.00		



DeJong & Lebet Inc		1734 Emerson St		Project #		Vessel:		4.9.18		By: MJC		Rev. Date:		Rev. 0	
		Jacksonville, FL 32207		D&L Dwg #17-1372-0205		65' NCDOT Tug						4.9.18			
		Telephone (904) 399-367		Weight Group:		100-Structure									
SWBS No.	ITEM DESCRIPTION	Length/Ht	Width/Area	No. Pcs	Unit Weight (lbs)	Weight (LT)	VCG (A.B.L.)	VM (ft-LTs)	LCG (ft. + aft of FR.0)	LM (ft-LTs)	TCG (ft. + Stbd.)	TM (ft-LTs)	Comments		
	1/2" pl Bottomshell w/ stiff	1.30	825.00	2.00	20.42	19.55	0.67	13.10	39.50	772.38		0.00			
	1/2" pl Sideshell w/ stiff	1.25	620.00	2.00	20.42	14.13	6.25	88.31	31.10	439.44		0.00			
	3/8" pl Main Deck w/ stiff	1.33	1895.00	1.00	15.32	17.24	11.00	189.61	38.50	663.64		0.00			
	1/2" pl Transom w/ stiff	1.33	199.00	1.00	20.42	2.41	7.75	18.70	70.50	170.10		0.00			
	xverse structure @ Fr 2:			1.00	500.00	0.22	8.00	1.79	3.00	0.67		0.00			
	xverse structure @ Fr 4:			1.00	630.00	0.28	7.00	1.97	6.00	1.69		0.00			
	xverse structure @ Fr 6:			1.00	3090.00	1.38	6.50	8.97	9.00	12.42		0.00			
	xverse structure @ Fr 8:			1.00	975.00	0.44	4.75	2.07	12.00	5.22		0.00			
	xverse structure @ Fr 10:			1.00	1100.00	0.49	4.75	2.33	15.00	7.37		0.00			
	xverse structure @ Fr 12:			1.00	4475.00	2.00	6.25	12.49	18.00	35.96		0.00			
	xverse structure @ Fr 14:			1.00	1475.00	0.66	4.75	3.13	21.00	13.83		0.00			
	xverse structure @ Fr 16:			1.00	1600.00	0.71	4.50	3.21	24.00	17.14		0.00			
	xverse structure @ Fr 18:			1.00	5175.00	2.31	5.75	13.28	27.00	62.38		0.00			
	xverse structure @ Fr 20:			1.00	1350.00	0.60	5.00	3.01	30.00	18.08		0.00			
	xverse structure @ Fr 22:			1.00	1450.00	0.65	5.33	3.45	33.00	21.36		0.00			
	xverse structure @ Fr 24:			1.00	1350.00	0.60	5.00	3.01	36.00	21.70		0.00			
	xverse structure @ Fr 26:			1.00	2475.00	1.10	5.50	6.08	39.00	43.09		0.00			
	xverse structure @ Fr 28:			1.00	1250.00	0.56	6.00	3.35	42.00	23.44		0.00			
	xverse structure @ Fr 30:			1.00	1350.00	0.60	5.50	3.31	45.00	27.12		0.00			
	xverse structure @ Fr 32:			1.00	1225.00	0.55	6.75	3.69	48.00	26.25		0.00			
	xverse structure @ Fr 34:			1.00	4575.00	2.04	6.00	12.25	51.00	104.16		0.00			
	xverse structure @ Fr 36:			1.00	1450.00	0.65	6.00	3.88	54.00	34.96		0.00			
	xverse structure @ Fr 38:			1.00	1325.00	0.59	6.25	3.70	57.00	33.72		0.00			
	xverse structure @ Fr 40:			1.00	1230.00	0.55	6.75	3.71	60.00	32.95		0.00			
	xverse structure @ Fr 42:			1.00	975.00	0.44	7.33	3.19	63.00	27.42		0.00			
	xverse structure @ Fr 44:			1.00	825.00	0.37	7.00	2.58	66.00	24.31		0.00			
	W.T. Flat Fr 6 to 18 w/ stiff:	1.33	382.00	1.25	12.75	3.61	5.00	18.07	18.00	65.07		0.00			
	Cl Bhd Fr 6 to 18 w/ stiff:	1.25	172.00	1.33	12.75	1.63	4.00	6.51	18.75	30.52		0.00			
	Fwd Keel/stem 3/4" pl	1.00	31.00	1.00	30.63	0.42	3.00	1.27	2.00	0.85		0.00			
	Aft Keel/stern post	1.00	22.00	1.00	30.63	0.30	4.50	1.35	60.00	18.05		0.00			
	Fwd Keelsons	1.00	26.00	2.00	15.32	0.36	1.42	0.51	18.00	6.40		0.00			
	Mid Keelsons	1.00	29.00	2.00	15.32	0.40	1.75	0.69	33.50	13.29		0.00			
	Engine Girders			4.00	1075.00	1.92	1.75	3.36	44.00	84.46		0.00			
	Aft Keelsons	1.00	14.00	2.00	15.32	0.19	4.33	0.83	57.00	10.92		0.00			
	Z drive Foundations	1.00	28.00	2.00	16.50	0.41	5.75	2.37	66.00	27.23		0.00			
	Main Deck Girders-Fwd	1.00	18.00	2.00	12.29	0.20	11.33	2.24	18.00	3.56		0.00			
	Main Deck Girders-Mid	30.00	1.00	2.00	12.29	0.33	10.75	3.54	39.00	12.84		0.00			
	Xverse framing Fr 34 to 40	260.00	1.00	1.00	12.29	1.43	10.75	15.34	57.00	81.31		0.00			
	Main Deck Aft girders	30.00	1.00	2.00	12.29	0.33	10.75	3.54	65.00	21.40		0.00			
	Long. bhd Fr 12 to 34	342.00	2.00	1.25	12.75	4.87	5.75	27.98	41.50	201.97		0.00			
	Long. bhd Fr 34 to 47	100.00	2.00	1.25	12.75	1.42	7.50	10.67	41.50	59.05		0.00			
						0.00		0.00		0.00		0.00			
						0.00		0.00		0.00		0.00			
	1/2" pl Skeg Sides	1.00	28.00	2.00	20.42	0.51	1.25	0.64	51.75	26.42		0.00			
	3/4" pl Skeg Bottom	1.00	109.00	1.00	31.26	1.52	0.00	0.00	34.75	52.86		0.00			
	Total This Sheet:					90.97	5.64	513.09	36.90	3,356.96	0.00	0.00			



SWBS No.	ITEM DESCRIPTION	Length/Ht	Width/Area	No. Pcs	Unit Weight (lbs)	Weight (LT)	VCG (A.B.L.)	VM (ft-LTs)	LCG (ft, + aft of FR.0)	LM (ft-LTs)	TCG (ft, + Stbd.)	TM (ft-LTs)	Comments	DeJong & Lebet Inc	
														1734 Emerson St Jacksonville, FL 32207 Telephone (904) 399-36	Project # D&L Dwg #17-1372-0205 Weight Group: 300-ELECTRIC
	300-ELECTRIC														
304	Main Switchboard			1.0	600.0	0.27	7.50	2.01	33.00	8.84		0.00			
311	Lighting			1.0	500.000	0.22	15.00	3.35	31.50	7.03		0.00			
324	Wiring			1.0	1500.00	0.67	18.00	12.05	32.00	21.43		0.00			
324						0.00		0.00		0.00		0.00			
324						0.00		0.00		0.00		0.00			
324						0.00		0.00		0.00		0.00			
324						0.00		0.00		0.00		0.00			
331						0.00		0.00		0.00		0.00			
331						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
342						0.00		0.00		0.00		0.00			
Total This Sheet:						1.16	15.00	17.41	32.13	37.30	0.00	0.00			



DeJong & Lebet Inc		1734 Emerson St Jacksonville, FL 32207 Telephone (904) 399-367		Project # D&L Dwg #17-1372-0205		Vessel: 65' NCDOT Tug		4.9.18		By: MJC		Rev. Date: 4.9.18		Rev. 0	
SWBS No.	ITEM DESCRIPTION	Length/Ht	Width/Area	No. Pcs	Unit Weight (lbs)	Weight (LT)	VCG (A.B.L.)	VM (ft-LTs)	LCG (ft. + aft of FR.0)	LM (ft-LTs)	TCG (ft. + Stbd.)	TM (ft-LTs)	Comments		
						0.000		0.00		0.00		0.00			
	Bow Bumper	20.00	1.00	1.00	200.00	1.79	12.00	21.43	0.00	0.00		0.00			
	Stern Bumper	48.00	1.00	1.00	100.00	2.14	10.25	21.96	72.00	154.29		0.00			
	Short Bitts			4.00	100.00	0.18	11.50	2.05	35.00	6.25		0.00			
	Bumper Tires + Chain			20.00	80.00	0.71	9.50	6.79	35.00	25.00		0.00			
	Anchor			1.00	150.00	0.07	12.00	0.80	6.00	0.40		0.00			
	Anchor rode			1.0	150.0	0.07	10.00	0.67	6.00	0.40		0.00			
	anchor Davit			1.0	200.0	0.09	15.00	1.34	6.00	0.54		0.00			
	Galley Counters			1	250.00	0.112	14.00	1.56	18.00	2.01		0.00			
	Refrigerator			1.0	250.0	0.112	14.00	1.56	18.00	2.01		0.00			
	Stove			1.0	200.0	0.089	13.00	1.16	18.00	1.61		0.00			
	Tables & Chairs			1.0	150.0	0.07	13.00	0.87	25.00	1.67		0.00			
	Settee			1.00	150.00	0.07	13.00	0.87	25.00	1.67		0.00			
	Pantry Shelves			1	100.00	0.045	15.00	0.67	35.00	1.56		0.00			
	Head/Toilet			1	75.00	0.033	13.00	0.44	34.00	1.14		0.00			
	sink			1	45.00	0.020	13.00	0.26	34.00	0.68		0.00			
						0.000		0.00		0.00		0.00			
	Work Bench			1	40.00	0.018	8.00	0.14	36.00	0.64		0.00			
	Storage Cabinet			1	40.00	0.018	8.00	0.14	36.00	0.64		0.00			
	Crew Bunks			1	150.00	0.067	23.00	1.54	21.25	1.42		0.00			
	Cptn Bunk			1	150.00	0.067	23.00	1.54	21.25	1.42		0.00			
	Crew Lockers			2.000	40.000	0.04	23.00	0.82	21.25	0.76		0.00			
	Cptn lockers			2.000	40.000	0.04	23.00	0.82	21.25	0.76		0.00			
	Shower Stall			1.000	100.000	0.04	21.00	0.94	32.00	1.43		0.00			
	Sinks			2.000	45.000	0.04	22.00	0.88	33.00	1.33		0.00			
	Toilet			1.000	75.000	0.03	22.00	0.74	33.00	1.10		0.00			
	Inflatable Life Raft			1.000	300.000	0.13	21.00	2.81	49.00	6.56		0.00			
	Aft Exterior Console			1.000	175.000	0.08	21.00	1.64	49.00	3.83		0.00			
	Pilothouse Consoles			2.000	75.000	0.07	30.00	2.01	23.00	1.54		0.00			
	Pilothouse Chair			1.000	125.000	0.06	30.00	1.67	25.00	1.40		0.00			
	Chart Table			1.000	40.000	0.02	30.00	0.54	27.00	0.48		0.00			
	A/C Units			3.000	75.000	0.10	30.00	3.01	31.00	3.11		0.00			
	Search Lights			2.000	30.000	0.03	36.00	0.96	25.00	0.67		0.00			
	Air Horn			1.000	40.000	0.02	36.00	0.64	25.00	0.45		0.00			
	Mast			1.000	300.000	0.13	39.00	5.22	25.00	3.35		0.00			
	Radars			2.000	75.000	0.07	37.00	2.48	24.00	1.61		0.00			
	Running Lights			1.000	200.000	0.09	32.00	2.86	26.00	2.32		0.00			
	Main Deck Ceiling	270.000	1.000	1.000	1.750	0.21	11.00	2.32	29.00	6.12		0.00			
	2nd Deck Ceiling	265.000	1.000	1.000	1.750	0.21	18.00	3.73	27.00	5.59		0.00			
	PH Ceiling	120.000	1.000	1.000	1.750	0.09	34.50	3.23	26.00	2.44		0.00			
						0.00		0.00		0.00		0.00			
	Total This Sheet:					7.25	14.23	103.14	34.24	248.20	0.00	0.00			

