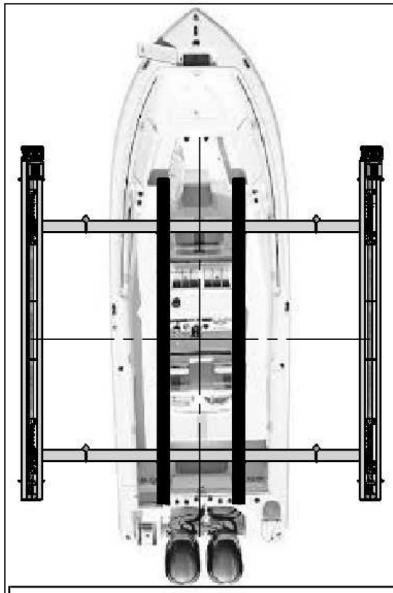
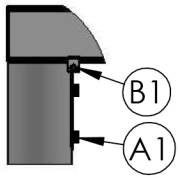
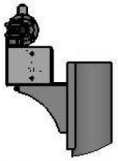


MOUNTING OPTIONS:	
PILING MOUNT	SIDE MOUNT
5K - 24K LIFTS	5K - 16K LIFTS

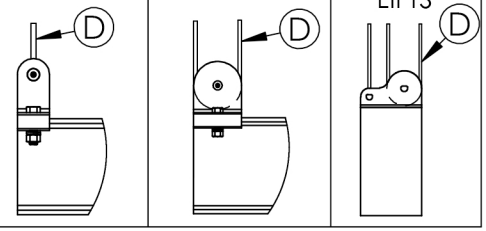


(A1) 2X 1/2" SS LAG BOLT 2" MIN. LENGTH
(B1) 2X 1/2" SS HEX NUT

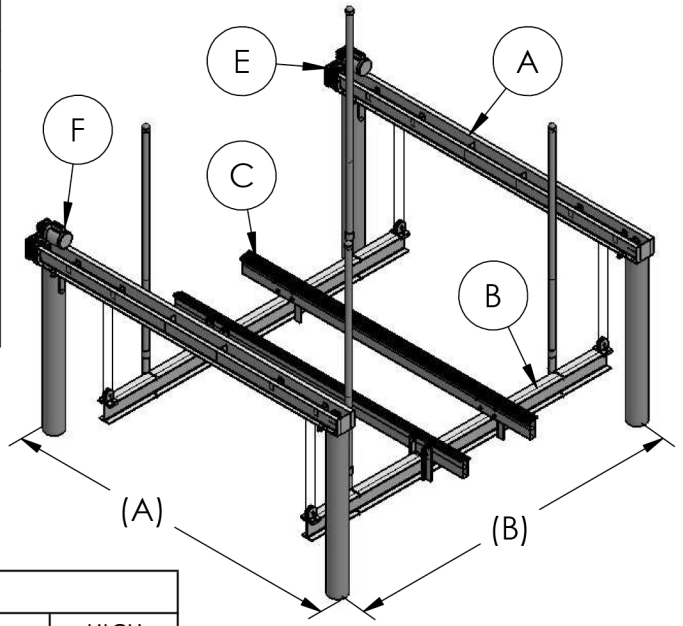


MOUNT HARDWARE: 5/8" X PILING DIA. DETERMINED BY CONTRACTOR 2X 1/2" X 2 SS HEX BOLT W/ LOCKS AND NUTS

CABLE ROUTING:		
SINGLE PULL	DOUBLE PULL	TRIPLE PULL
5K - 7K LIFTS	10K - 16K LIFTS	20K - 24K LIFTS



NOTE: LOAD SHOULD BE EVENLY DISTRIBUTED BY POSITIONING THE CENTER OF GRAVITY DIRECTLY IN THE CENTER OF THE LIFTING BEAMS AS SHOWN IN THE ILLUSTRATION



NOTE: THIS STRUCTURE WILL WITHSTAND WIND SPEEDS UP TO 170 MPH CALCULATED PER F.B.C. 2020 (7TH EDITION) AND ASCE7-2016. VESSELS SHALL NOT BE STORED ON LIFT DURING HIGH WIND EVENTS.

4 PILING BOAT LIFT SPECIFICATION SHEET

2021	TOP BEAM (A)	CRADLE BEAM (B)	BUNKS (C)	CABLE SIZE (D)	DRIVE (E)	H.P. MOTOR (F)	DRIVE SHAFT	MINIMUM PILING (SIZE & QTY.)	STANDARD DRIVE	HIGH SPEED DRIVE
5,000 LB.	5" CHANNEL X 12' 6"	4" X 6" X 10'	8" ALUM	5/16" SS 7/19 (.313) SINGLE PULL	DIRECT DRIVE 5k and 10k lifts have a 40:75 gearbox All others use 40:90 gearbox	3/4 H.P.(QTY. 2) 110V 9.8A EACH	1-1/2" (SCH 40)	8" (QTY. 4)	31.5 IN/MIN	65.0 IN/MIN
7,000 LB.	6" CHANNEL X 12' 6"	4" X 6" X 12' 6"				1 H.P. (QTY. 2) 110V 13.6A EACH			39.0 IN/MIN	
10,000 LB.	7" CHANNEL X 12' 6"	5" X 8" X 12' 6"		5/16" SS 7/19 (.313) DOUBLE PULL		3/4 H.P. (QTY. 2) 110V 9.8A EACH			15.75 IN/MIN	32.75 IN/MIN
13,000 LB.						1 H.P. (QTY. 2) 110V 13.6A EACH			19.5 IN/MIN	
16,000 LB.	8" CHANNEL X 12' 6"	6" X 10" X 14'	10" ALUM					10" (QTY. 4)		
20,000 LB.	9" CHANNEL X 14' 6"	6" X 10" X 15'		5/16" SS 7/19 (.313) TRIPPLE PULL		3/4 H.P. (QTY. 2) 110V 9.8A EACH			13.0 IN/MIN	21.75 IN/MIN
24,000 LB.		7" X 12" X 16'				1 H.P. (QTY. 2) 110V 13.6A EACH				

4 PILING BOAT LIFT PILING SPACING

FOUR PILING LIFTS	(A) BOW TO STERN (OUTSIDES)	(B) PORT TO STARBOARD (CENTERS)
5,000 LB.	12 FT 6 IN	10 FT
7,000 LB.		12 FT 6 IN
10,000 LB.		
13,000 LB.		
16,000 LB.		14 FT
20,000 LB.	14 FT 6 IN	15 FT
24,000 LB.		16 FT

TITLE:

5K-24K 4 POLE BOAT LIFT ENGINEERING SHEET

SIZE	DWG. NO.	REV
A	ENGINEERING	2

SCALE: AS NOTED	DRAWN BY: ACC	DATE: 3-9-21	SHEET 1 OF 1

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PROPRIETARY AND CONFIDENTIAL

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ENGINEERS SEAL