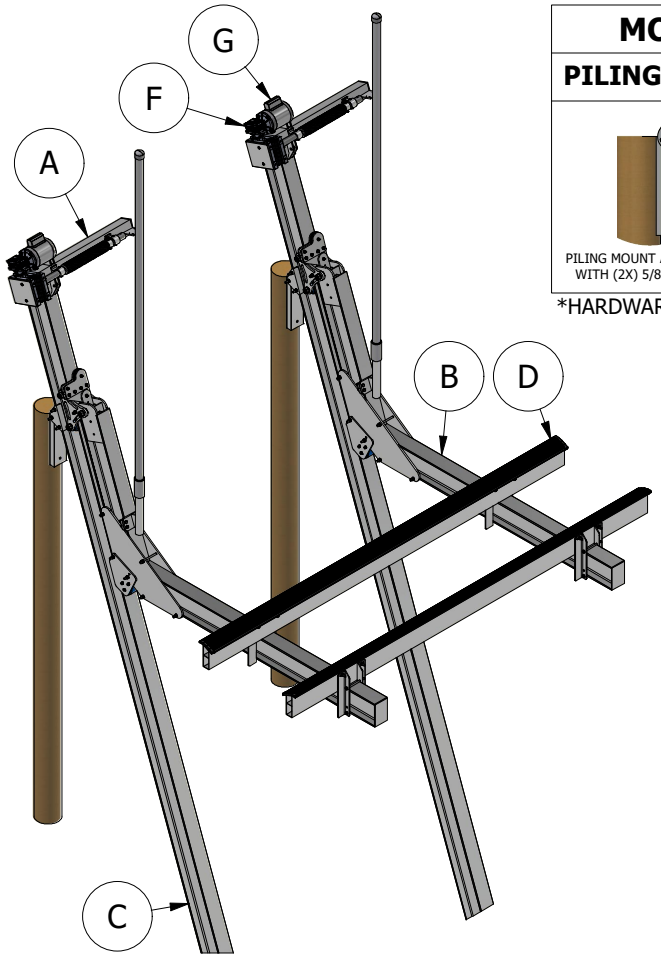
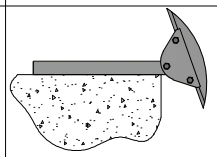
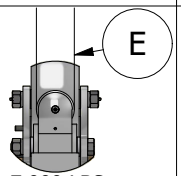
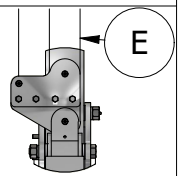


MOUNTING OPTIONS:

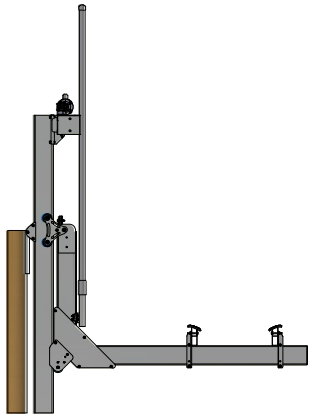
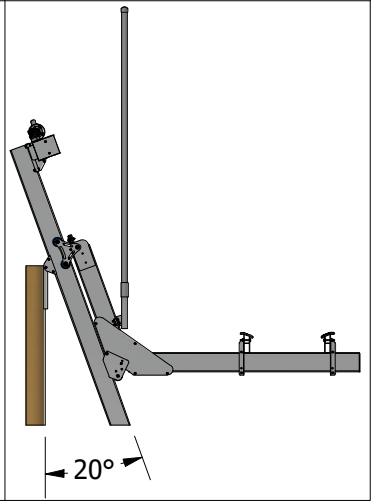
PILING MOUNT	SEAWALL MOUNT
	
PILING MOUNT ATTACHED TO PILE WITH (2X) 5/8" SS THRU BOLTS	SEAWALL MOUNT ATTACHED TO SEAWALL WITH (2X) 5/8" SS ANCHORS

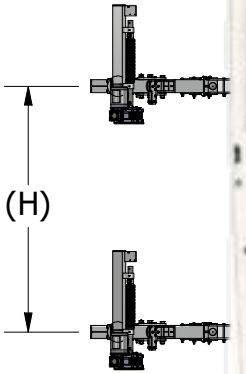
HARDWARE TO BE SUPPLIED BY CONTRACTOR

CABLE ROUTING

DOUBLE PULL	TRIPLE PULL
	
7,000 LBS.	10,000 LBS.

ELEVATOR LIFT ANGLE OPTIONS:

90 DEGREE	20 DEGREE
	



MAX BOAT WIDTHS:
7K= 8'-6" MAX BOAT WIDTH
10K= 9' MAX BOAT WIDTH

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

ELEVATOR LIFT SPECIFICATIONS

2021	TOP BEAM (A)	CRADLE BEAM (B)	TRACK BEAM (C)	BUNKS (D)	CABLE SIZE (E)	DRIVE (F)	H.P. MOTOR (G)	DRIVE SHAFT	MINIMUM PILING (SIZE & QTY.)	PILING SPACING (H)
7000 LBS.	DRIVE HEAD W/ GROOVED CABLE WINDER	5" X 8" X 8' IBEAM	5" X 8" X 25' IBEAM	8" ALUMINUM	5/16" SS 7/19 (.313) DOUBLE PULL	DIRECT DRIVE	1 H.P. (QTY 2) 220V 6.8A EA	1-1/2" (SCH. 40)	10" (QTY. 2)	8FT - 10FT
10,000 LBS.	DRIVE HEAD W/ GROOVED CABLE WINDER	5" X 8" X 8' IBEAM	5" X 8" X 25' IBEAM	8" ALUMINUM	5/16" SS 7/19 (.313) TRIPLE PULL	DIRECT DRIVE	1 H.P. (QTY 2) 220V 6.8A EA	1-1/2" (SCH. 40)	10" (QTY. 2)	8FT - 10FT

ENGINEERS SEAL

STRUCTURAL ENGINEERING REVIEW:

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.

THE GRAVITY AND WIND LOADS FOR THIS CONSTRUCTION HAVE BEEN CALCULATED AND THE MAIN WIND FORCE RESISTING SYSTEM AND COMPONENTS AND CLADDING OF THIS BUILDING DESIGN DO COMPLY WITH FLORIDA BUILDING CODE 2020 (7TH EDITION).

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
.X = ± .1 FRACTIONAL = ± .1
.XX = ± .01 ANGULAR = ± 1
.XXX = ± .005
.XXXX = ± .0005 DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	ACC	11/15/2021
DWG. REV.	-	
CHECKED		
ENG. APPR.		

COMMENTS:

TIDE TAMER

TITLE:
7K & 10K ELEVATOR LIFT ENGINEERING SHEET

SIZE	PART NO.	MODEL REV.
A	ENGINEERING	-

MATERIAL | SHEET 1 OF 1