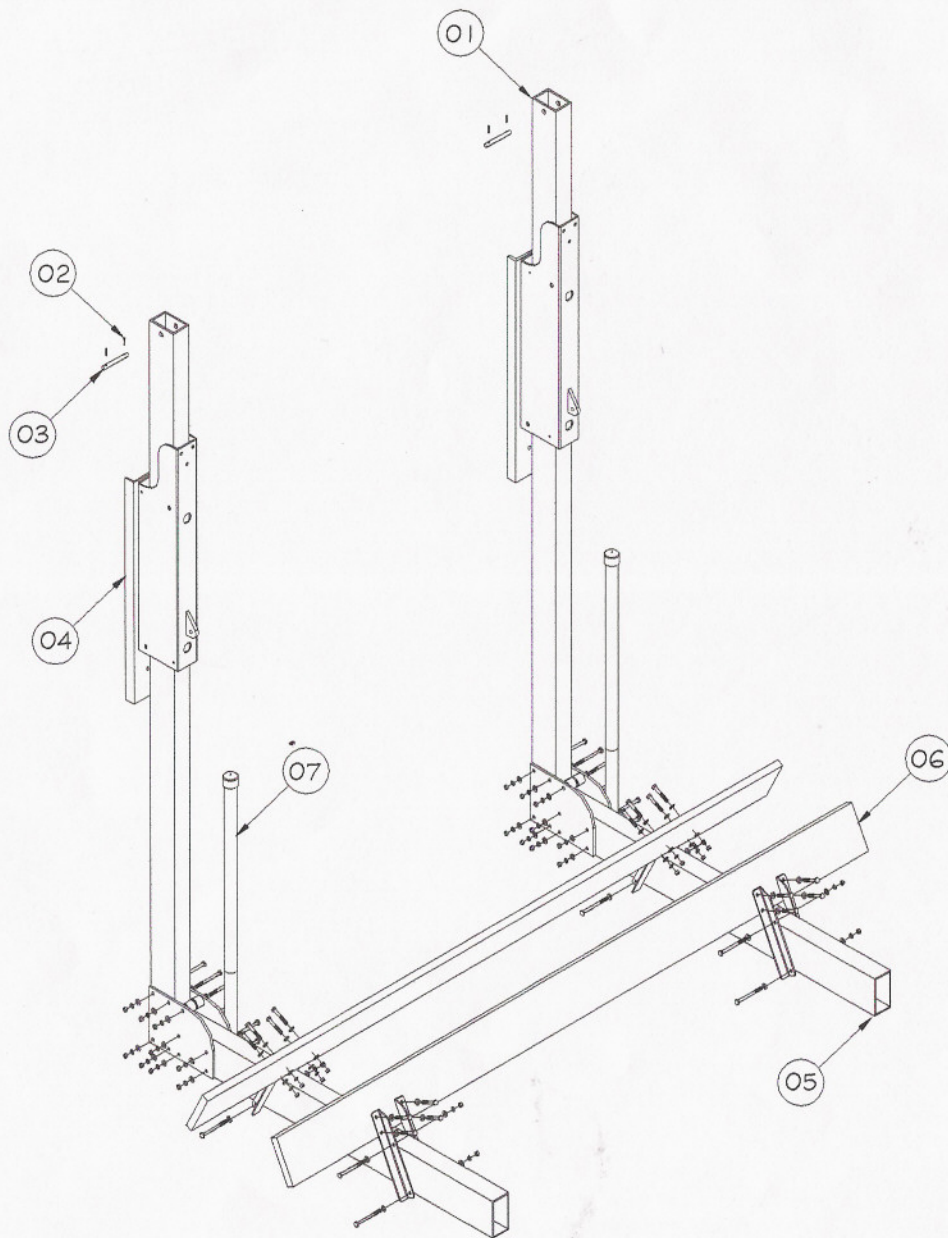
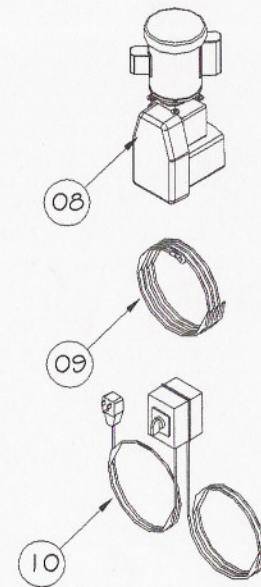


3000# ALUMINUM PILING MOUNT PART BREAKDOWN

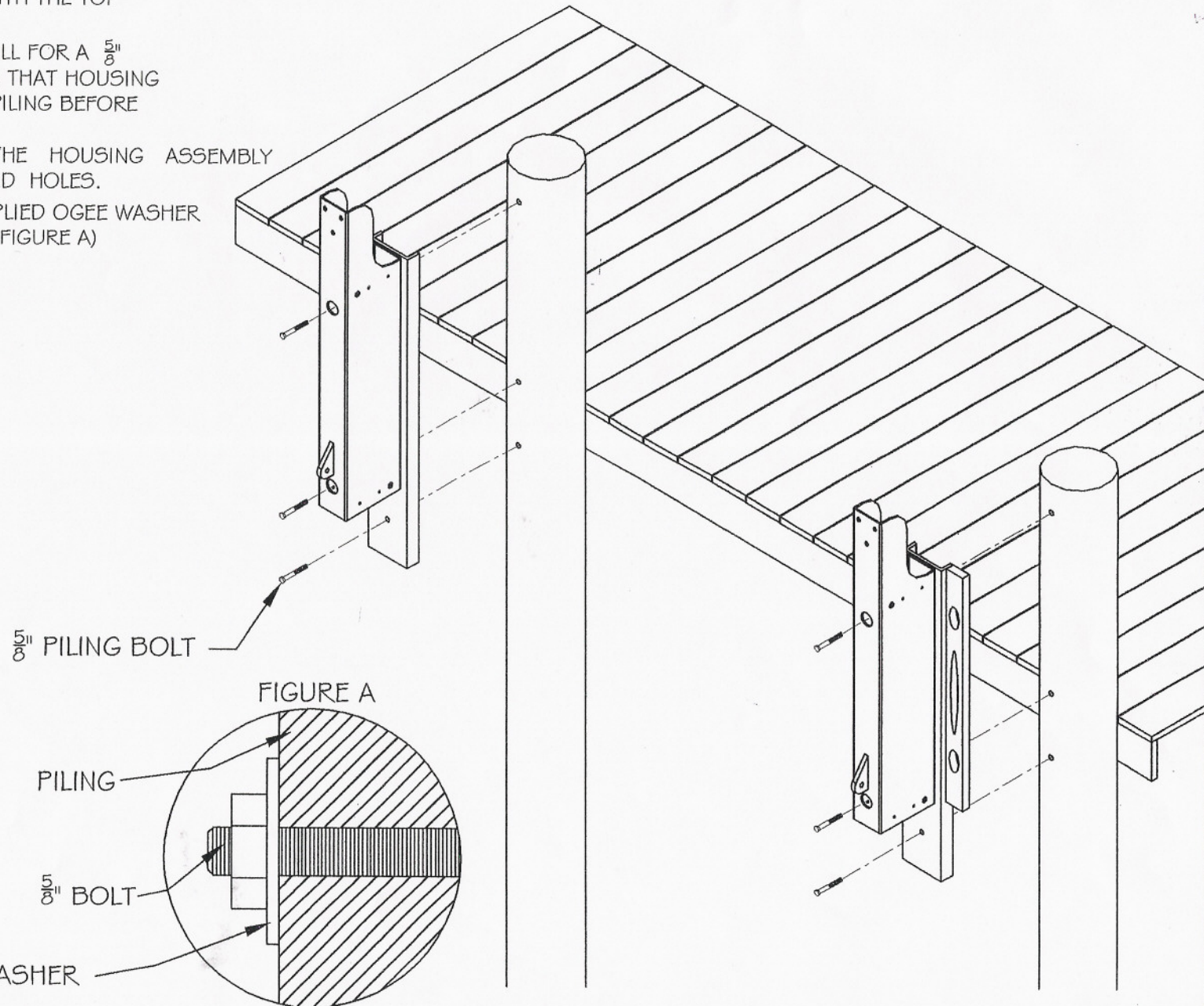


ITEM #	QTY	DESCRIPTION
01	02	.375 X 2.0 X 6.0 X 156.0 ALUMINUM MAST
02	04	3/16 X 1.25" SS COTTER PIN
03	02	.75 X 6.0 SS SHAFT
04	02	3000 ALUMINUM HOUSING ASSEMBLY
05	02	3000 ALUMINUM ARM ASSEMBLY
06	02	2 X 8 X 96 BUNK BOARD
07	02	PVC PIPE W/ CAP ASSEMBLY
08	02	NC-1000 DRIVE
09	02	1/4" X 26'-0" STAINLESS STEEL CABLE RIGGED
10	01	HATTERAS DRIVE BREMIS SWITCH & ENCLOSURE



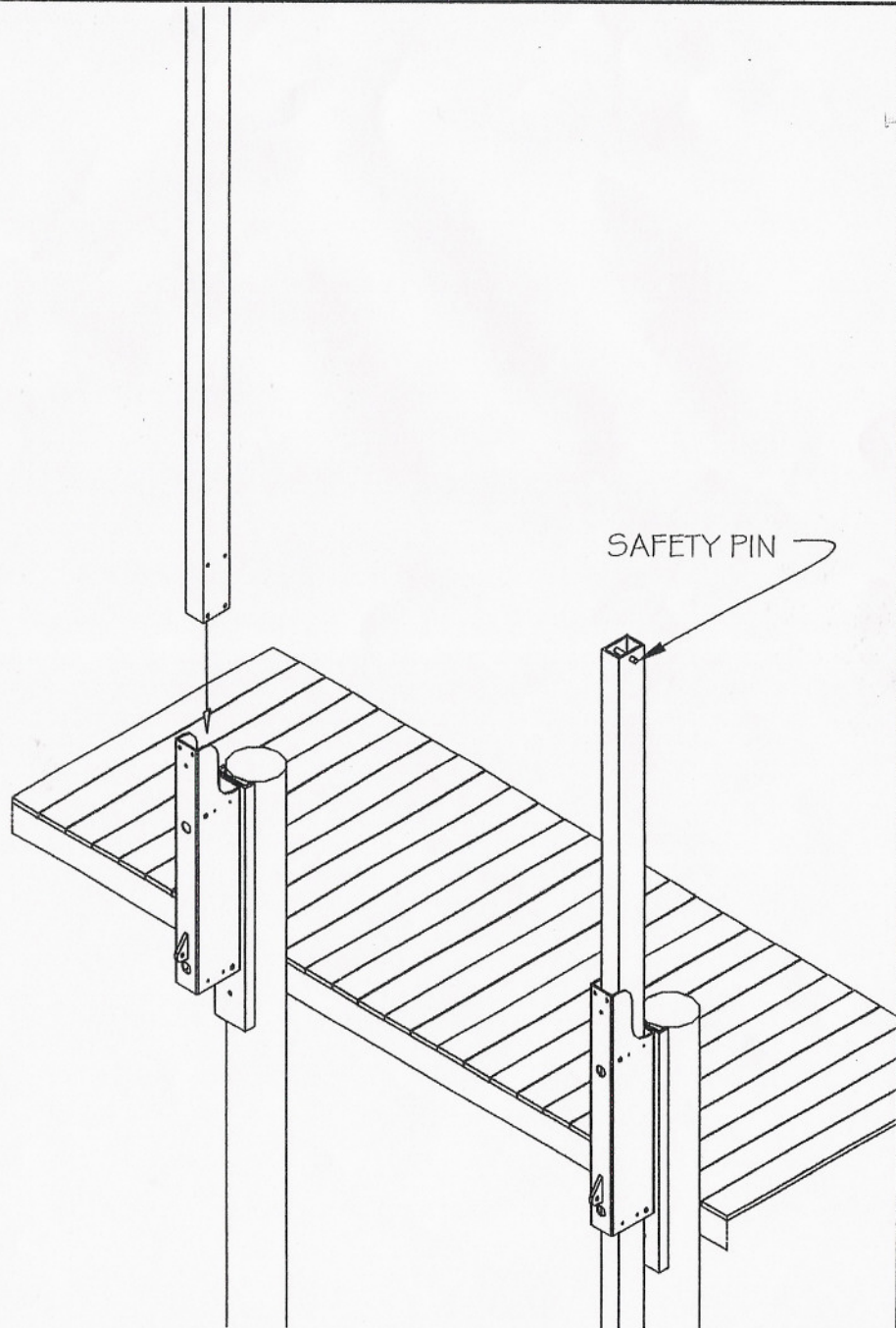
STEP 1: PILING MOUNT INSTALLATION

1. AVERAGE PILING HEIGHT IS 40" ABOVE THE DECK.
(PILING SHOULD BE NO LESS THAN 96" O.C.)
2. ALIGN TOP OF CHANNEL WITH THE TOP OF THE PILING,
3. MARK HOLES AND PRE-DRILL FOR A $\frac{5}{8}$ " PILING BOLT. (MAKE SURE THAT HOUSING ASSEMBLY IS PLUMB ON PILING BEFORE HOLES ARE DRILLED).
4. INSERT BOLTS THROUGH THE HOUSING ASSEMBLY AND INTO THE PRE-DRILLED HOLES.
5. TIGHTEN $\frac{5}{8}$ " BOLTS W/ SUPPLIED OGEE WASHER ON BACK ON PILING. (SEE FIGURE A)



STEP 2: MAST INSTALLATION

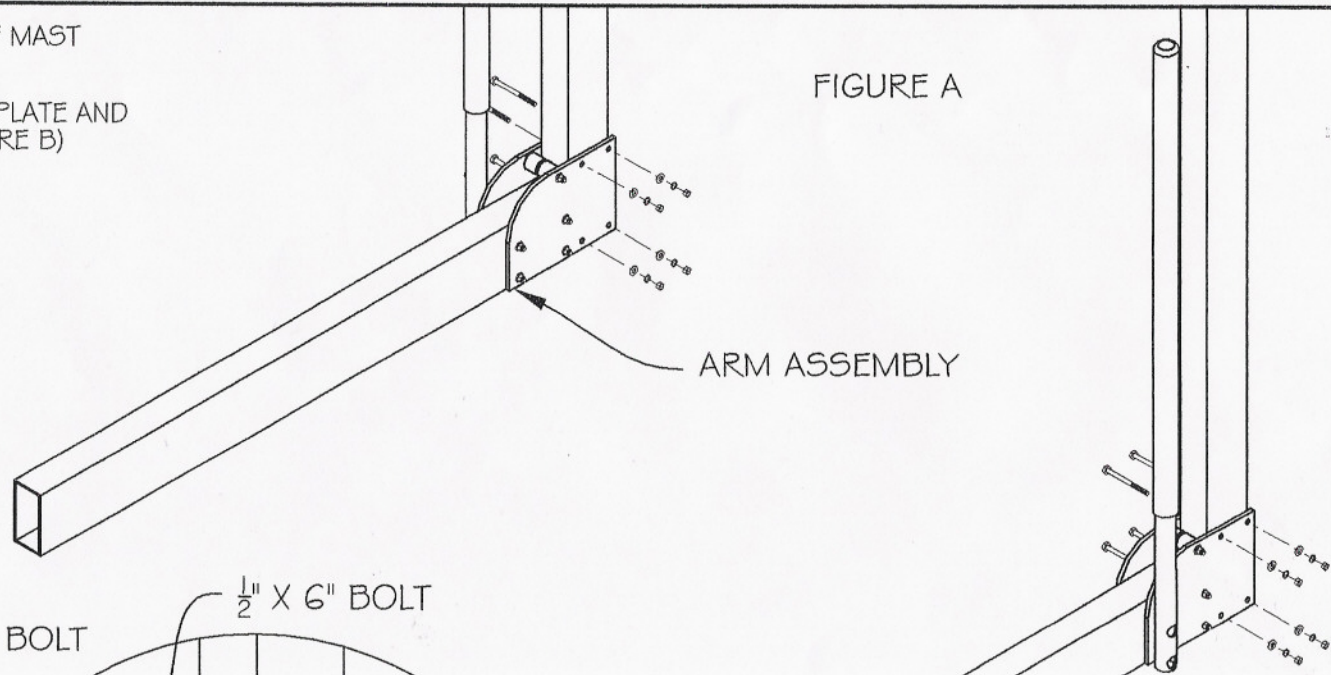
1. INSERT MAST INTO THE HOUSING FROM THE TOP WITH THE SAFETY PIN IN PLACE.



STEP 3: ARM INSTALLATION

1. PLACE ARM ASSEMBLY ONTO BOTTOM OF MAST AS SHOWN IN FIGURE A.
2. INSERT (4) $\frac{1}{2}$ " X 6" BOLTS THROUGH ARM PLATE AND MAST AS SHOWN IN ILLUSTRATION. (FIGURE B)

FIGURE A



ARM ASSEMBLY

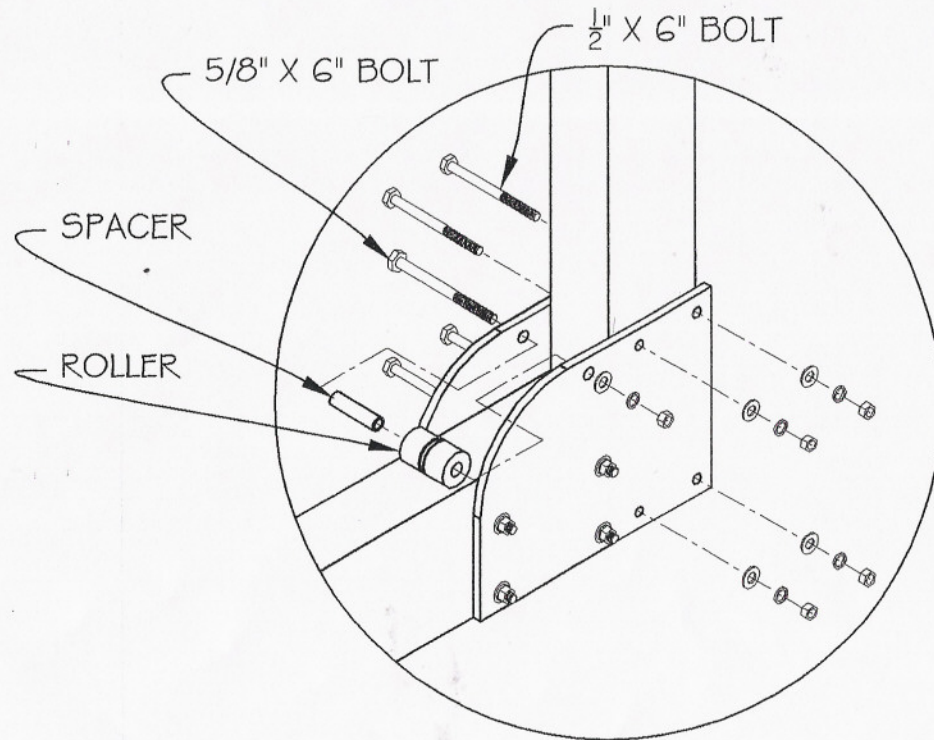
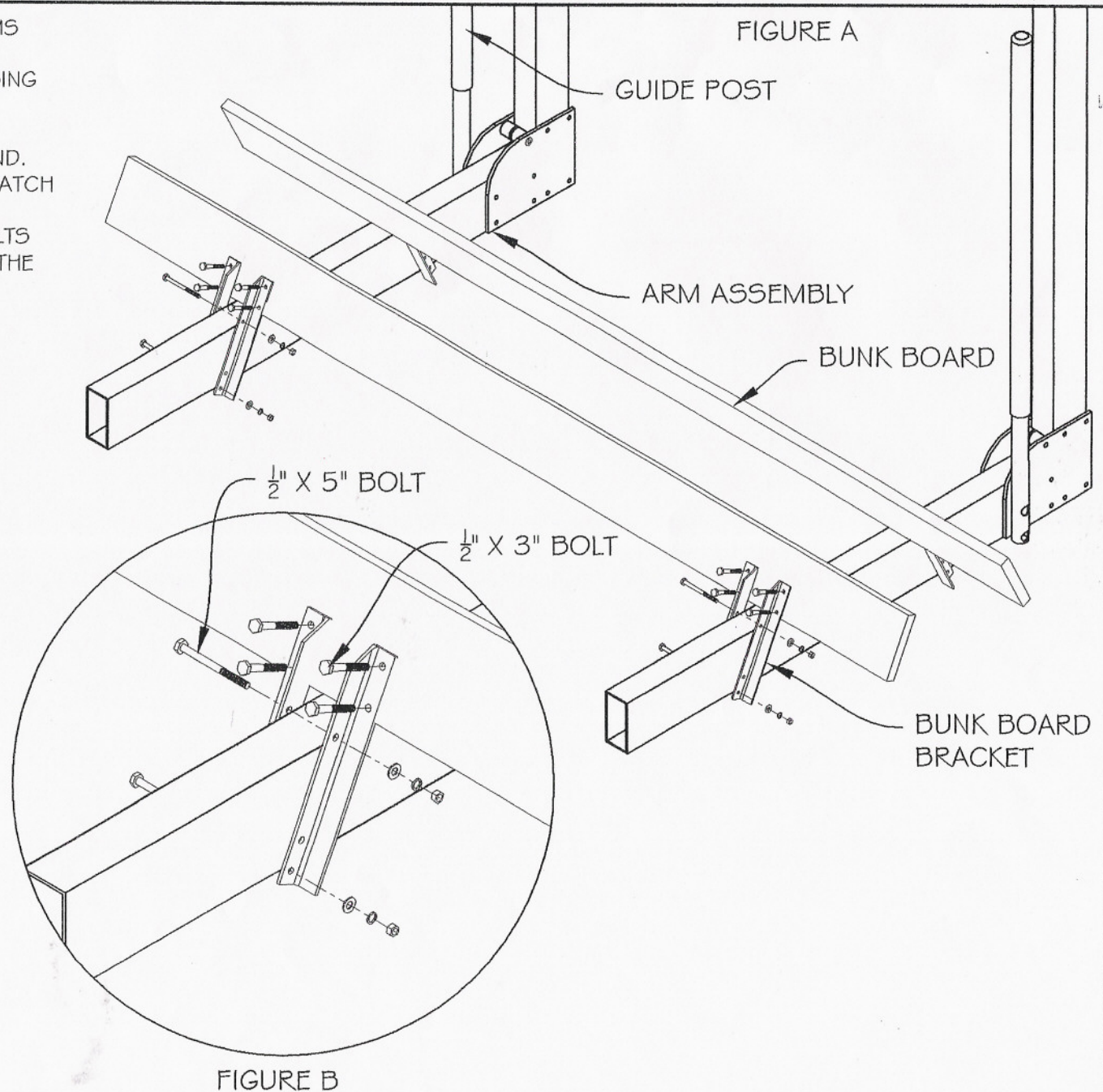


FIGURE B

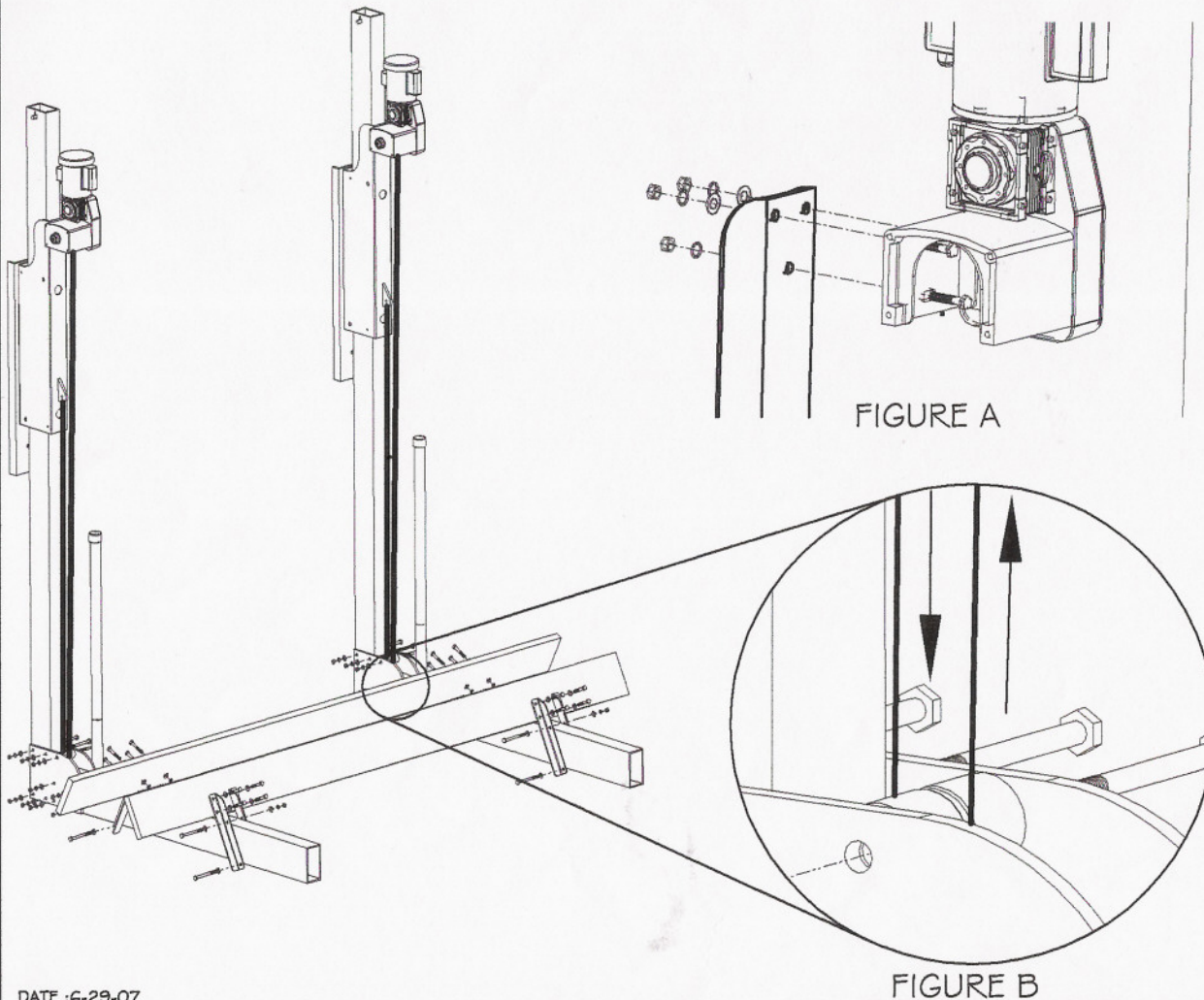
STEP 4: BUNKBOARD INSTALLATION

1. PLACE BUNK BOARD BRACKETS ON ARMS USING $1/2$ " X 5" BOLTS. (FIGURE A)
2. SECURE BUNK BOARD TO BRACKET USING $1/2$ " X 3" BOLTS. (FIGURE B.)
3. CENTER BUNK BOARDS ON THE ARM BETWEEN THE GUIDE POST AND ARM END. ADJUST THE BUNK BOARD ANGLE TO MATCH THE ANGLE OF YOUR HULL
4. MAKE SURE THAT YOU TIGHTEN ALL BOLTS SECURELY WHEN YOU HAVE OBTAINED THE DESIRED BUNK BOARD POSITION.



STEP 5: HOIST & CABLE ASSEMBLY

1. Attach NC1000 drive unit to the housing using (3) 1/2" bolts. Tighten securely with flat washer, lock washer, and nut. Figure A
2. The housing will ship with the cable already attached to the front of the housing. Route cable from attachment point on front of housing down around roller and back up to the drive unit. Figure B
3. Attach cable to the NC1000 drive unit by loosening hex bolt located in drive spool. (Drive spool may have to be rotated before loosening. To rotate drive spool, rotate large drive pulley with your hand until the spool is in the desired location.)
4. Insert cable into hole located on the inside of the drive spool. Figure C
5. After cable is inserted past the set screw, tighten set screw onto cable. (Pull slightly on cable to ensure cable is secure)
6. Wind cable onto the spool by keeping tension on the cable and running drive in the upward motion.
(Be sure cable is wrapped neatly on the cable spool.)



SET SCREW TO SECURE CABLE

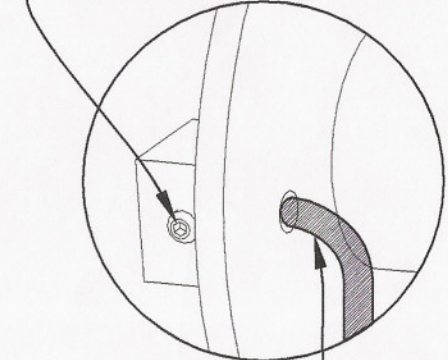
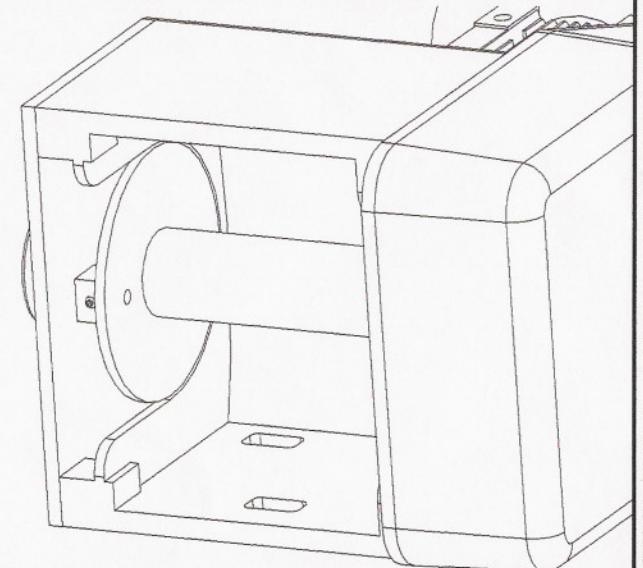


FIGURE C 1/4" CABLE

NC1000 HATTERAS DRIVE



STEP 6: SMART STOP ADJUSTMENT

1. TO ADJUST THE SMART STOP YOU WILL LOOSEN THE NUT LOCATED IN THE CENTER OF THE SMART STOP ADJUSTMENT. THEN BY TURNING THE ALLEN HEAD SCREW, LOCATED AT THE SAME PLACE AS THE NUT, THIS WILL ADJUST THE SMART STOP.

2. TO MAKE THE SMART STOP, STOP QUICKER, TURN THE SCREW CLOCKWISE TO DESIRED TENSION. TO MAKE THE SMART STOP, LESS SENSITIVE, TURN THE SCREW COUNTER CLOCKWISE TO DESIRED TENSION.

***MAKE SURE THAT THE JAM NUT IS TIGHTENED TO AT LEAST 40 INCH POUNDS OF TORQUE AT ALL TIMES. ALSO BE SURE THAT THE ALLEN HEAD SCREW DOES NOT MOVE WHILE TIGHTENING THE JAM NUT.**

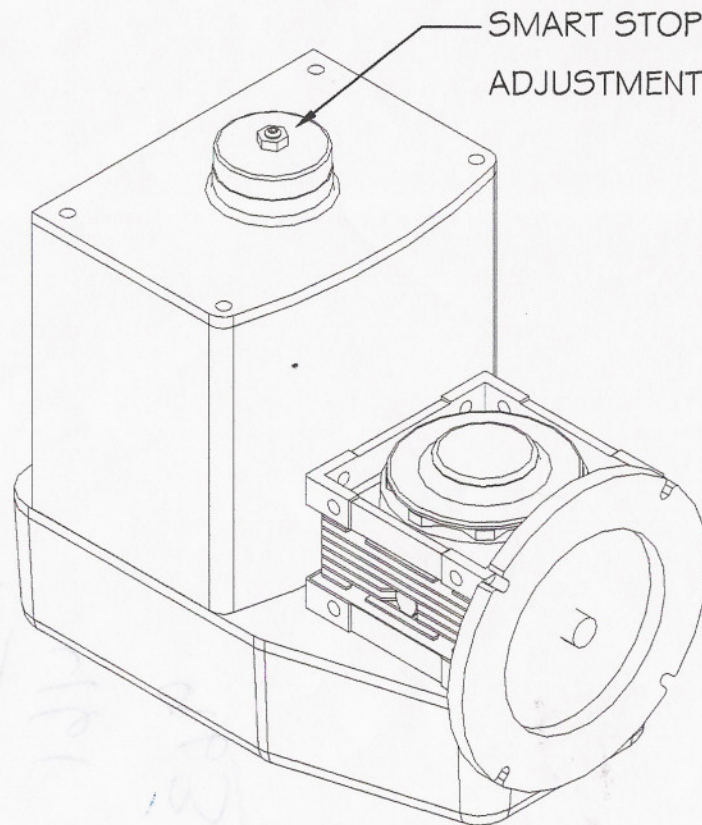


FIGURE A

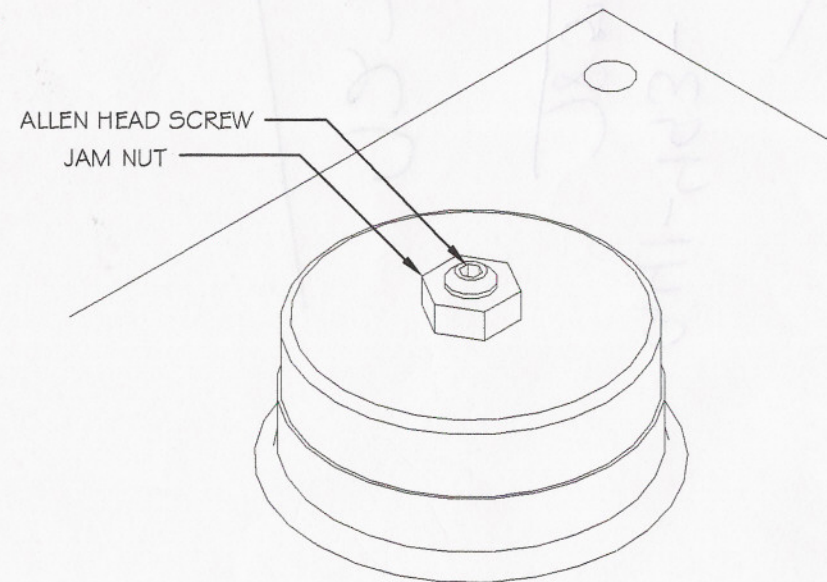


FIGURE B

***TEST LIMITS AND SMART STOPS BEFORE LOADING LIFTS**

DATE: 6-25-07