

## LUNMAR INSTALLATION GUIDE

3000 SL & CL / 4000 SL & CL / 6000 SL & CL

### STEEL MOUNT CLAMP KIT

#### READ ALL INSTRUCTION BEFORE STARTING

THE LUNMAR 3000, 4000, AND 6000 BASIC INSTALLATION ARE THE SAME. THE 3000 AND 4000 WORK BASED ON THE SINGLE LINE PULL AND THE 6000 WORKS BASED ON A DOUBLE LINE PULL. THE OVERHEAD INSTALLATION OF THESE KITS ARE THE SAME EXCEPT ON THE 3000 AND 4000 THE CABLE CONNECTS DIRECTLY TO THE SLING OR THE CRADLE BEAM AND ON THE 6000 IT PASSES THROUGH A PULLEY AND THEN BACK UP TO DEADMAN TO THE OVERHEAD BEAM. LUNMAR KITS ARE DESIGNED FOR A 2" SCHEDULE 40 GALVANIZED PIPE TO RUN OFF EITHER SIDE OF STALL AND PARALLEL TO THE BOAT. WHICH IS SUSPENDED FROM THE OVERHEAD STEEL BEAMS WHICH RUN PERPENDICULAR TO THE BOAT BY STRAP BEARINGS AND BEARINGS BRACKETS. THE BEAM WHICH THE KIT ATTACH TO ARE USUALLY 10' TO 12' APART DEPENDING ON LENGTH OF BOAT AND DISTANCE BETWEEN THE STRAP BEARING AND THE 560 PULLEYS ARE 10' IF THE BOAT IS 8 1/2' WIDE.

FOLLOW THESE STEPS FIRST:

- 1.) THE STANDARD LUNMAR KIT REQUIRES TWO WOOD OR STEEL BEAMS RUNNING PARALLEL TO THE BOAT.
- 2.) PULL THE BOAT INTO THE BOAT SLIP
- 3.) THE AFT STEEL BEAM SHOULD BE LOCATED 1' TO 2' IN FROM THE TRANSOM.
- 4.) THE NEXT BEAM SHOULD BE LOCATED ABOVE THE BOAT WHERE YOU WOULD WANT THE FRONT SLING TO HIT THE BOAT. USUALLY 10' TO 12'.

**CHECK BOXES FOR ALL PARTS BEFORE FREIGHT COMPANY LEAVES!!!!!!!**

**THIS KIT IS A BOATLIFT AND IS INTENDED TO BE USED AS ONLY A  
BOATLIFT. DO NOT USE THIS LIFT TO PICK UP HUMANS!**

**DO NOT WORK UNDER HANGING BOAT!!!!!!!**

**ALL ELECTRICAL MODIFICATIONS MUST BE DONE BY A CERTIFIED  
ELECTRICIAN!!!!!!!**

**PARTS LIST**  
**(STEEL MOUNT CLAMP KIT)**

**LUNMAR 3000 SLING KIT (STEEL MOUNT)**

1- $\frac{3}{4}$ " MOTOR/SWITCH/GFI  
1- AMS 3000 GEARPLATE  
1- 102G STRAP BEARINGS  
1- 102GBM  
1- STRUTBAR  
2- 102BP  
4-  $\frac{1}{2}$ " X 8" BOLTS, NUTS, LOCKS, & FLATS  
1- 80'  $\frac{1}{4}$ " GALVANIZED CABLE  
2- 560 FCP3  
4- $\frac{1}{2}$ " X 1  $\frac{1}{2}$ " BOLTS, NUTS, LOCKS, & FLATS  
8- $\frac{1}{4}$ " CABLE CLAMPS  
2-4 X 14 NYLON SLINGS 8400# CAPACITY  
2- 5" @10# x 13' GALVANIZED OVERHEAD STEEL BEAMS  
2-  $\frac{1}{2}$ " X 14" BOLTS, NUTS, LOCKS, & FLATS

**LUNMAR 4000 SLING KIT (STEEL MOUNT)**

ALL THAT PARTS OF A 3000 SLING KIT  
EXCEPT THE MOTOR IS 1HP INSTEAD OF  $\frac{3}{4}$

**LUNMAR 6000 SLING KIT (STEEL MOUNT)**

ALL THE PARTS OF THE 3000 SLING KIT

PLUS: 4—560 PULEYS  
1—120'  $\frac{1}{4}$ " GALV CABLE  
2—FC1-3"

**ADDITIONAL PARTS REQUIRED**

1—2" SCHEDULE 40 GALAVANISED PIPE (21')

**LUNMAR 3000 CRADLE KIT (STEEL MOUNT)**

1- $\frac{3}{4}$ " MOTOR/SWITCH/GFI  
1- AMS 3000 GEARPLATE  
1- 102G STRAP BEARINGS  
1- 80'  $\frac{1}{4}$ " GALV CABLE  
2- 560 FCP3  
4-  $\frac{1}{2}$  X 1  $\frac{1}{2}$  BOLTS, NUTS, LOCKS, & FLATS  
8-  $\frac{1}{4}$ " CABLE CLAMPS  
2- 9' CRADLE BEAMS  
4- RIGHT HAND CHOCK BRACKETS  
4- LEFT HAND CHOCK BRACKETS  
8-  $\frac{1}{2}$ " X 4  $\frac{1}{2}$ " GALVANIZED BOLTS, NUTS, LOCKS, & FLATS  
8-  $\frac{1}{2}$ " X 4" GALVANIZED CARRIAGE BOLTS, LOCKS, & FLATS  
2-  $\frac{1}{2}$ " X 14" GALVANIZED BOLTS, NUTS, LOCKS, & FLATS  
2- 5@ 10# X 13' GALVANIZED OVERHEAD STEEL BEAMS

**LUNMAR 4000 CRADLE KIT (STEEL MOUNT)**

ALL THAT PARTS OF A 3000 CRADLE KIT  
EXCEPT THE MOTOR IS 1HP INSTEAD OF  $\frac{3}{4}$

**LUNMAR 6000 CRADLE KIT (STEEL MOUNT)**

ALL THE PARTS IN THE 3000 CRADLE KIT

PLUS: 4—560 PULLEYS  
1—140'  $\frac{1}{4}$ " GALV CABLE  
2—FC1-3"

**ADDITIONAL PARTS REQUIRED**

1—2" SCHEDULE 40 GALVANISED PIPE (21')  
2—BUNK BORDS (2 X 10 X 14 ROUGH CUT TREATED OR DOUBLE 2 X 10 X 14)

**OPTIONAL PARTS AVAILABLE**

HOIST COVERS-----WEIGHTED SLINGS---- CABLE WEIGHTS-----REMOTES  
STAINLESS STEEL CABLE----- GALV GEAR PLATES----- 6"/ 8"/ 10" SLINGS

## **FOLLOW THESE STEPS IN ORDER TO SAVE TIME!!!!**

1. CONNECT THE 102G STRAP BEARING TO THE OVERHEAD STEEL BEAM USING THE SUPPLIED ½ X 8" BOLTS, NUTS, LOCKS, WASHERS, FLATS, & 102BP
2. SET OVERHEAD STEEL BEAMS INTO PLACE 10' APART OVER LIFT POINTS.
3. SLIDE PIPE INTO STRAP BEARINGS.
4. THE PIPE SHOULD BE RUNNING PARALLEL WITH BOAT AND OVER TO ONE SIDE. THE PIPE SHOULD BE AS CLOSE TO THE EDGE OF THE DOCK AS POSSIBLE TO MAKE IT EASIER TO GET IN AND OUT OF BOAT.
5. CLAMP 560FCP TO OVERHEAD STEEL BEAM ACROSS FROM 102G.
6. DRILL 5/16 HOLE THROUGH PIPE IN CENTER OF EACH OF 102 ASSEMBLIES.
7. INSTALL MOTOR ON GEARPLATE AND TIGHTEN BELT.
8. HANG GEARBOX ON PIPE AND BOLT TO 102GBM (GEARBOX MOUNT STRAP BEARINGS)
9. MARK HOLE ON GEARPLATE AND DRILL ½ HOLE THROUGH PIPE AND BOLT UP.

### **SKIP TO 11 IF INSTALLING A 6000# CLAMP KIT**

10. RUN CABLE THROUGH PIPE AND OVER TO PULLEY ATTACHING LOOSE ENDS TO SLINGS (OR CRADLE BEAMS) WITH THE PROVIDED CLAMPS. GO TO STEP 15
11. RUN CABLE THROUGH PIPE OVER TO 560 PULLEY DOWN TO 560 PULLEY AND DEADMAN OFF ON THE FLANGE CLAMPS THAT ARE ATTACHED TO THE BEAMS.
12. ATTACH PULLEY TO SLING OR CRADLE BY REMOVING BOLT ON PULLEY
13. YOU CAN LEVEL THE SLING OR CRADLE BEAM BY PULLING DOWN ON CABLE.
14. ONCE LEVEL TURN ON WINCH. ONCE TWO WRAPS ARE MADE ONTO PIPE THE CABLE IS LOCKED INTO POSITION AND WILL NOT MOVE.
15. MAKE SURE CABLES WRAP OPPOSING EACH OTHER WITHOUT STACKING (STACKING CABLE WILL REDUCE THE LIFT OF THE CABLES)
16. GREASE GEARBOX AT THE THREE ZERTS AND SPREAD A LIBERAL AMOUNT OF GREASE ON THE FLYWHEEL. APPLY SMALL AMOUNT OF GREASE ON THE 102'S TO ELIMINATE SQUEALING.

### **IF YOU ARE INSTALLING A SLING YOU ARE FINISHED**

#### **FINAL CRADLE INSTALLATION**

17. PONTOON APPLICATION—INSTALL 834PB 6'6" APART AND CLAMP TO CRADLE BEAMS, DRILL 3/8 THROUGH BUNK BOARD AND PONTOON BRACKETS HOLES AND BOLT UP BOARD.  
**V-BOTTOM FOR FLAT BOTTOM BOAT APPLICATION** – ASSEMBLE CHOCK BRACKETS AS SHOWN IN DIAGRAM AND CONNECT TO CRADLE BEAM. THE BUNK BOARDS SHOULD BE ANGLED TO CONFORM TO THE BOTTOM OF THE BOAT. ON AN 8 ½ BOAT THE AFT CHOCK BRACKETS SHOULD BE ABOUT 60" APART AND THE FORWARD CHOCK BRACKETS SHOULD BE ABOUT 56" APART. ON FLAT BOAT BOTTOM BOAT STAND THE BOARDS SO THAT THEY ARE 90 DEGREES TO THE BUNK BOARDS.
18. IF YOU PURCHASED THE OPTIONAL CABLE GUIDE POSTS CONNECT BETWEEN THE CRADLE AND THE 560 PULLEYS.

## **TROUBLESHOOTING**

### ***LIFT WILL NOT PICK UP THE BOAT***

1. BOAT WEIGHS MORE THAT LIFT CAPACITY
2. LOW VOLTAGE
3. BELT SLIPPING
4. GEARPLATE OR PIPE BINDING DUE TO IMPROPER ALIGNMENT

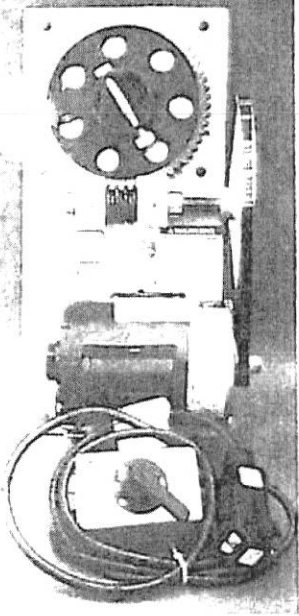
### ***LIFT MAKING EXCESSIVE NOISE***

1. NEEDS TO BE GREASED
2. PIPE OR GEARBOX OUT OF ALIGNMENT
3. CABLES RUBBING AGAINST 102 ASSEMBLIES

### ***CABLES BACKLASHING***

1. ADD CABLE WEIGHTS TO PULLEYS
2. UPGRADE TO WEIGHTED SLINGS
3. CABLE RUBBING AGAINST 102 ASSEMBLY

# SPECIFICATIONS AND FEATURES



**Capacity:**  
2000 lbs

**Motor:**  
3/4 H.P. 120 V  
ODP

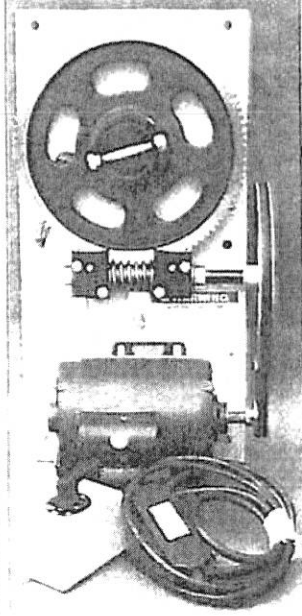
**Wiring:**  
Gauge  
weatherproof

**Plate:**  
1/4" Steel  
9.5" x 19.5"  
galvanized

**Gear:**  
8" Cast 60 Tooth  
Precision  
machined

**Hoist Speed:**  
4.0 Vertical  
feet per min

**Shipping Wgt:**  
48 Pounds  
UPS Shipping



**Capacity:**  
3000 lbs &  
4000 lbs

**Motor:**  
3/4 H.P.  
120/240 V  
ODP, TENV,  
TEFC. & 12 V DC

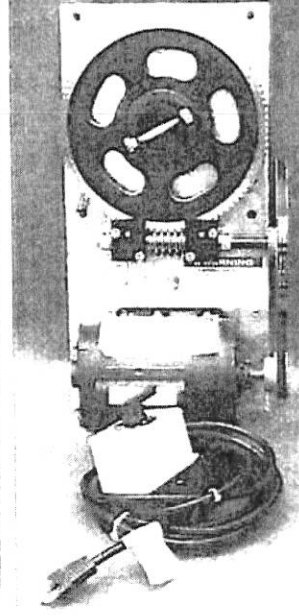
**Wiring:**  
14 Gauge  
weatherproof

**Plate:**  
1/4" Steel  
12" x 24" Baked  
on powder coat  
Available option -  
stainless &  
galvanized

**Gear:**  
12" Cast  
Precision  
machined

**Hoist Speed:**  
2.5 Vertical  
feet per min.  
Faster speeds  
available

**Shipping Wgt:**  
78 Pounds  
UPS Shipping



**Capacity:**  
6500 lbs

**Motor:**  
1 H.P.  
120/240 V  
TENV, TEFC

**Wiring:**  
14 Gauge  
weatherproof

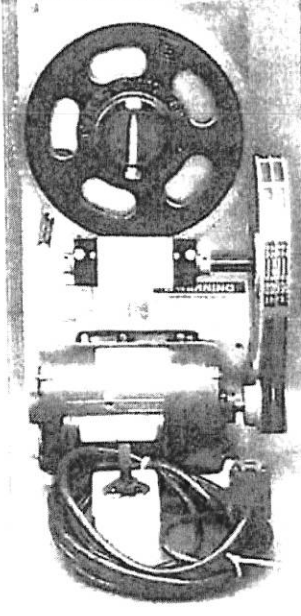
**Plate:**  
1/4" Steel  
12" x 24" Baked  
on powder coat  
Available option -  
stainless &  
galvanized

**Gear:**  
12" Heavy duty  
cast - Precision  
machined

**Hoist Speed:**  
3.0 Vertical  
feet per min.  
Faster speeds  
available

**Shipping Wgt:**  
100 Pounds  
UPS Shipping

**Pulleys:**  
Steel pulleys



**Capacity:**  
8500 lbs  
Std with twin belt

**Motor:**  
1.5 H.P.  
120/240 V  
TEFC

**Wiring:**  
12 Gauge  
weatherproof

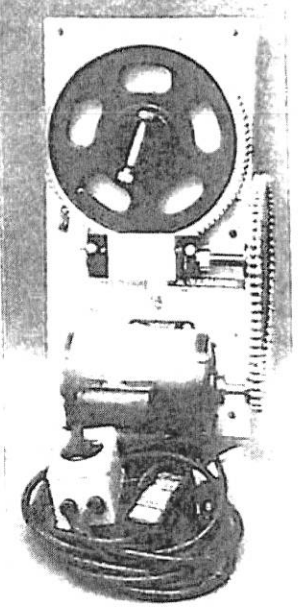
**Plate:**  
1/4" Steel  
12" x 24" Baked  
on powder coat  
Available option -  
stainless &  
galvanized

**Gear:**  
12" Heavy duty  
cast - Precision  
machined

**Hoist Speed:**  
2.8 Vertical  
feet per min.  
Faster speeds  
available

**Shipping Wgt:**  
110 Pounds  
UPS Shipping

**Pulleys:**  
Steel dual pulleys



**Stainless Steel  
Chain &  
Sprocket:**

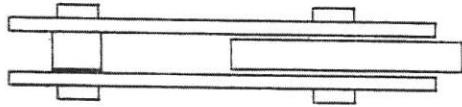
**Available:**  
On all models

**Hoist Speed:**  
Same as listed  
with belt & pulleys

LUNMAR BOAT LIFTS  
337-430-0533

6000 CRADLE KIT

560S PULLEY

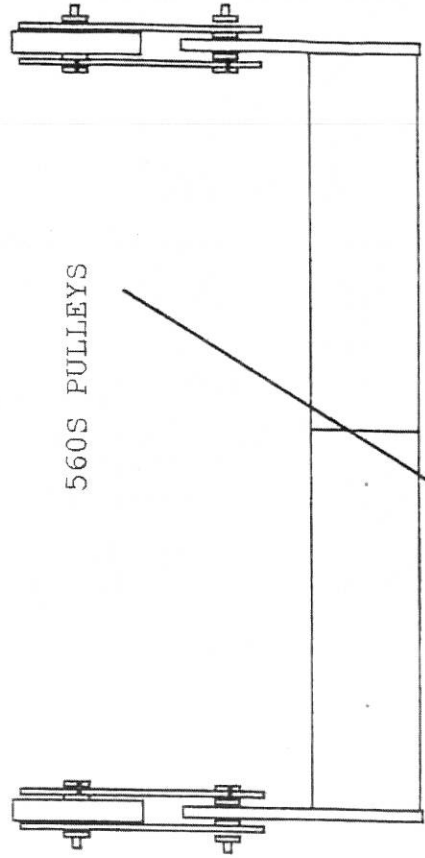
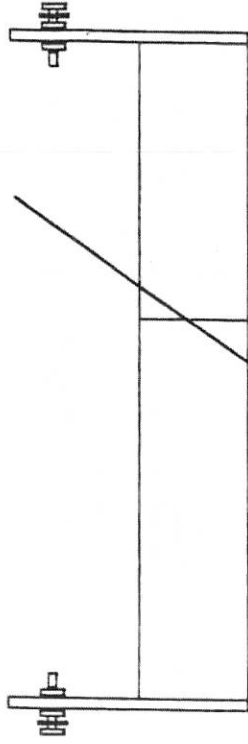
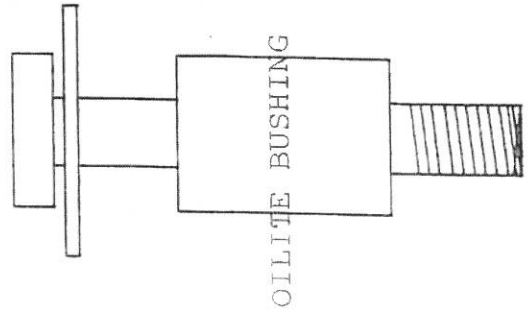


REMOVE BOLT AND  
OILITE BUSHING TO  
ATTACH TO SLING OR  
CRADLE

BUSHING MUST BE  
PRESSED INTO 7/8 HOPES  
ON PAD EYES OF CRADLE  
BEAMS.

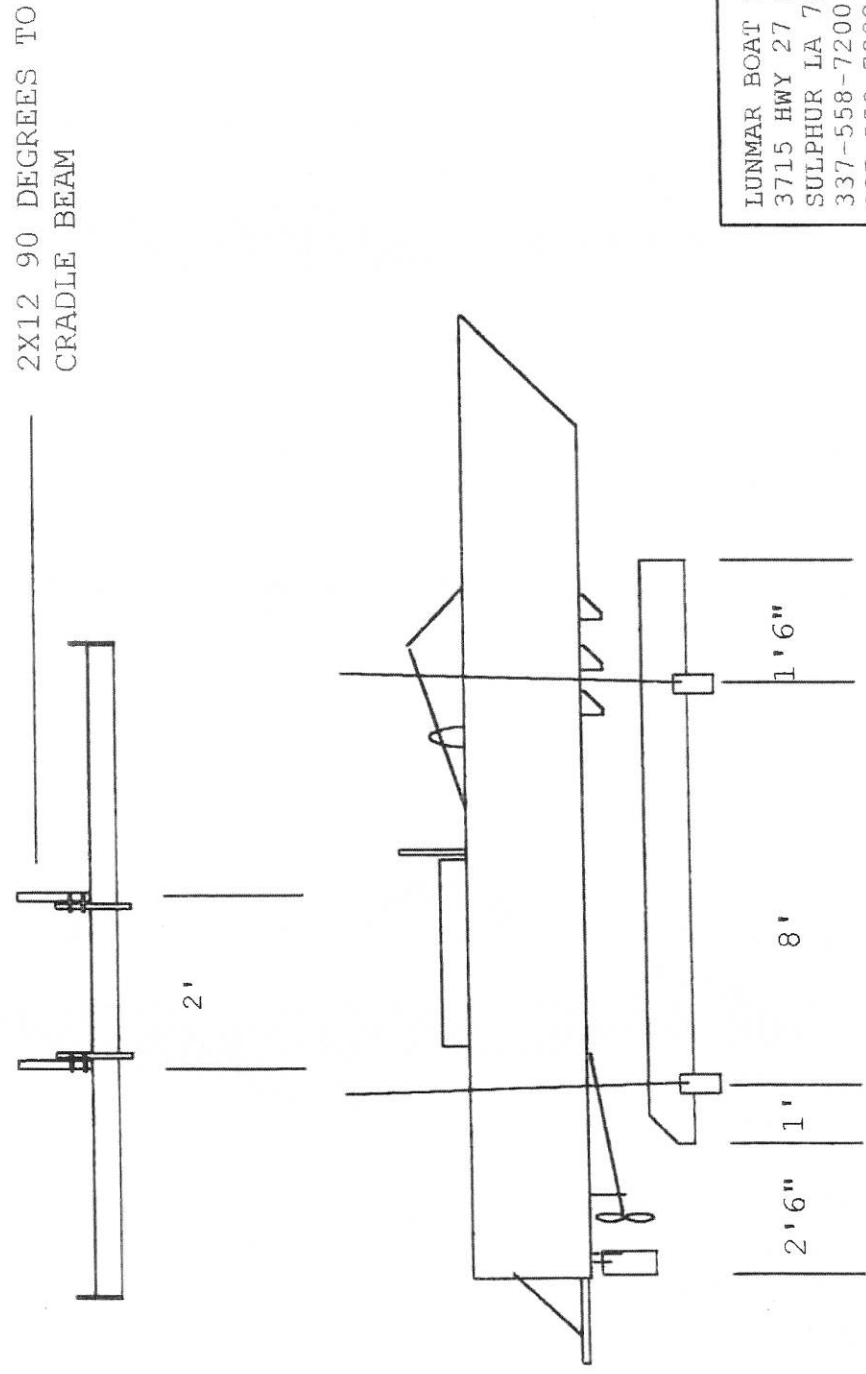
1) INSERT BOLT/WASHER  
INTO OILITE BUSHING AS  
SHOWN LEFT

2) WITH A HAMMER  
DRIVE BUSHING HALF  
WAY INTO PAD EYE BY  
STRIKING BOLT HEAD AS  
SHOWN RIGHT



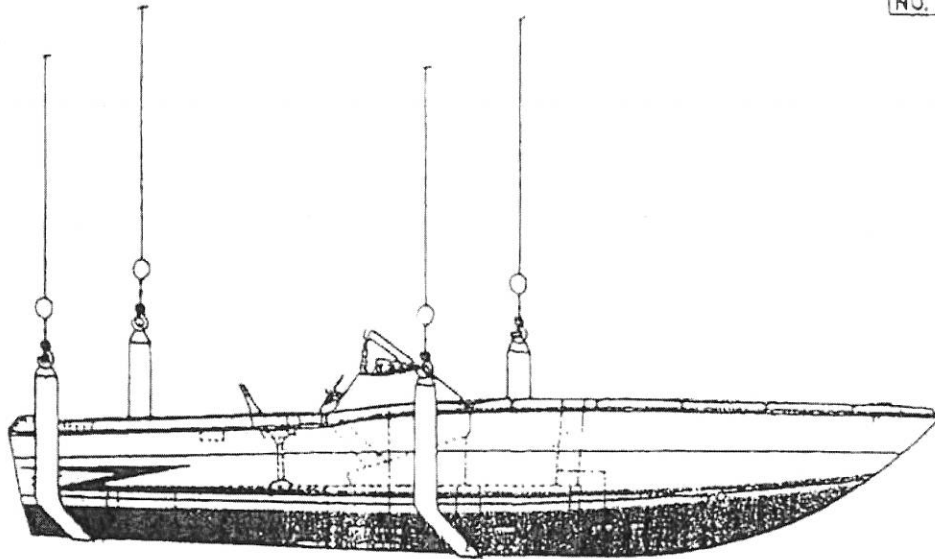
560S PULLEYS

LUNMAR 3000, 4000, & 6000 CL  
 BEAM LAYOUT FOR COMPETITION INBOARD SKI  
 BOATS WITH CENTER ENGINES



LUNMAR BOAT LIFTS  
 3715 HWY 27 SOUTH  
 SULPHUR LA 70665  
 337-558-7200  
 337-558-7202 (FAX)

NO. I-502



FOR OPTIMUM PERFORMANCE :

EQUAL WEIGHT DISTRIBUTION  
IS REQUIRED ON ALL 4 CABLES

4-POINT SLING HOIST

TO OBTAIN EQUAL WEIGHT DISTRIBUTION:

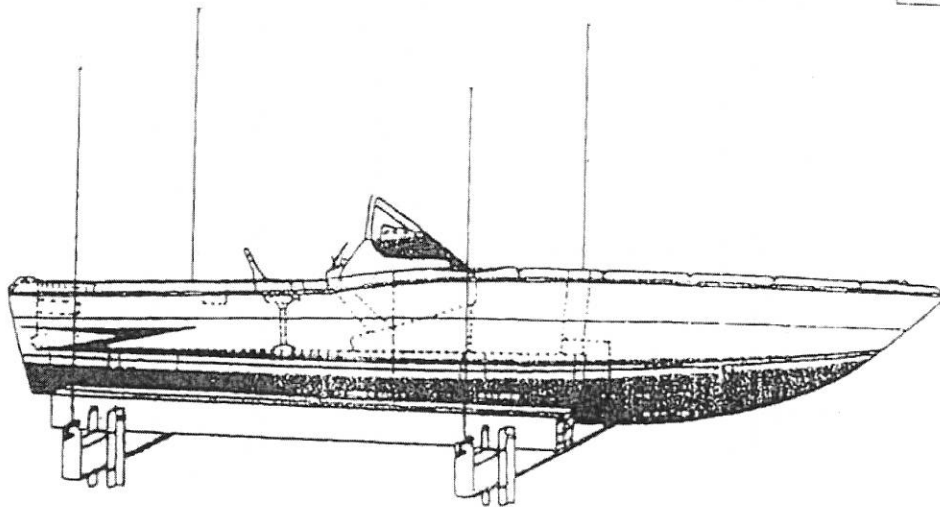
1. USE BALANCE POINT OF BOAT.
2. DO NOT USE CENTER OF BOAT LENGTH.

INSTRUCTIONS FOR  
WEIGHT DISTRIBUTION

SCALE NONE

NO. I-502

NO. I-503



FOR OPTIMUM PERFORMANCE

EQUAL WEIGHT DISTRIBUTION  
IS REQUIRED ON ALL 4 CABLES

4-POINT CRADLE HOIST

TO OBTAIN EQUAL WEIGHT DISTRIBUTION

1. USE BALANCE POINT OF BOAT.
2. DO NOT USE CENTER OF BOAT LENGTH

INSTRUCTIONS FOR  
WEIGHT DISTRIBUTION

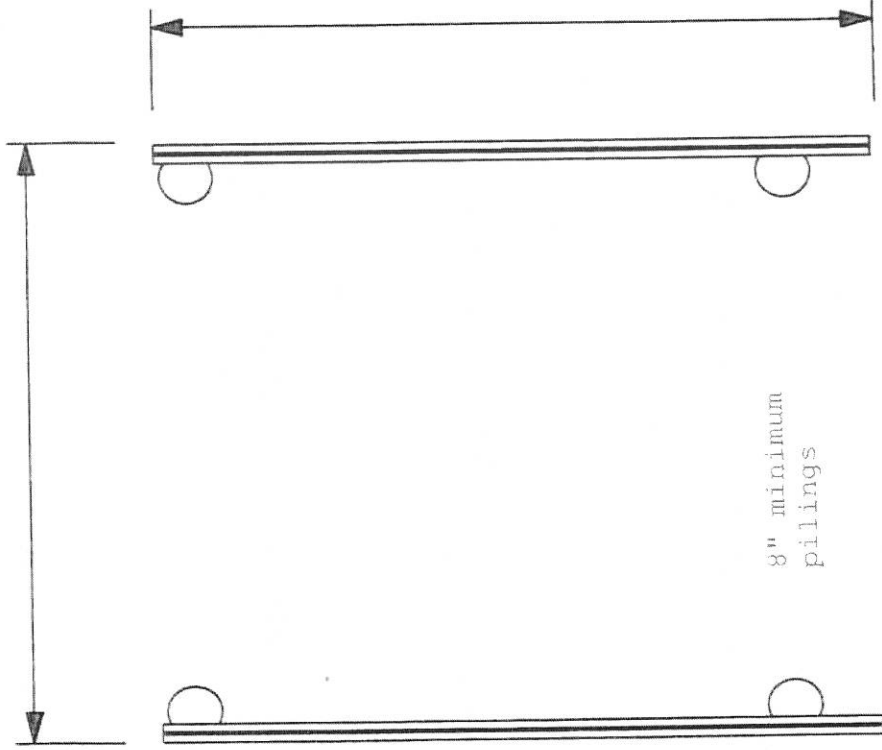
SCALE NONE

NO. I-503

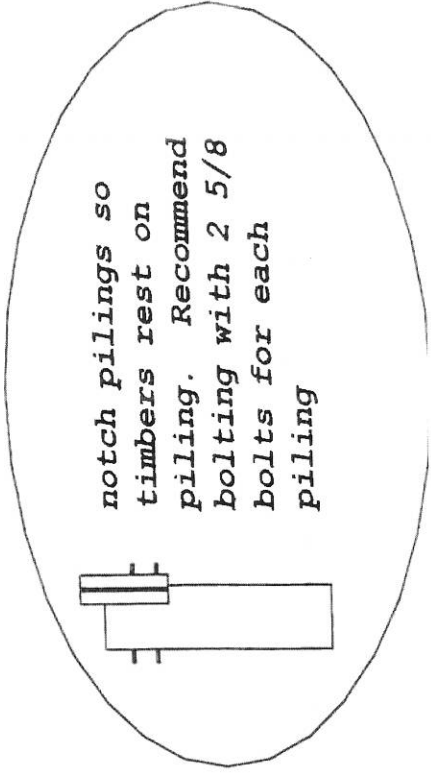


# PILING LOCATION FOR ALL LUNMAR STEEL MOUNTS LIFT WITH 13' OVERHEAD BEAMS

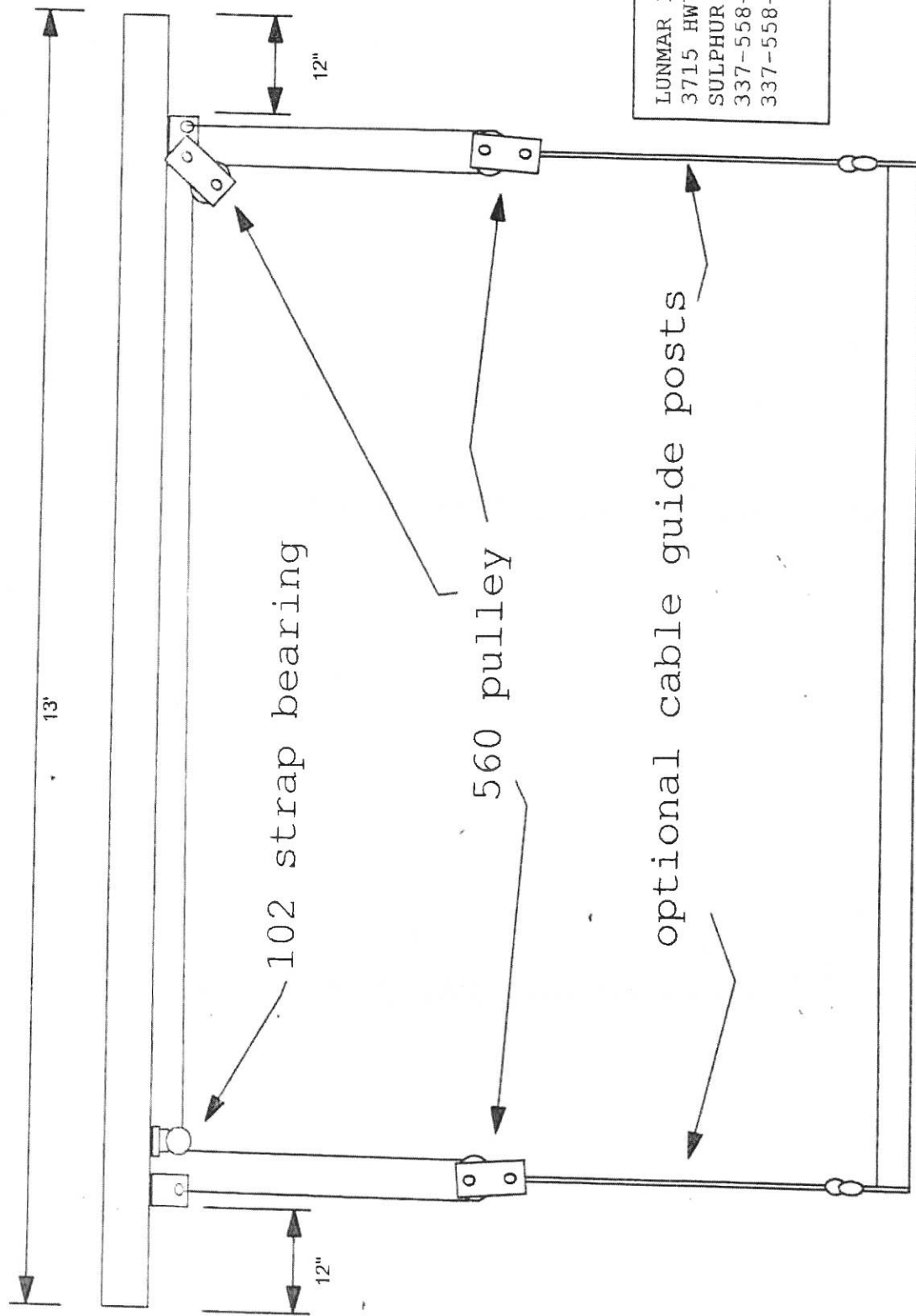
distance from outside edge of doubled 2x12 must be between 12'6" and 13' or a custom overhead beam will need to be fabricated



distance from front piling to rear piling can be anywhere from 11' to 13' feet

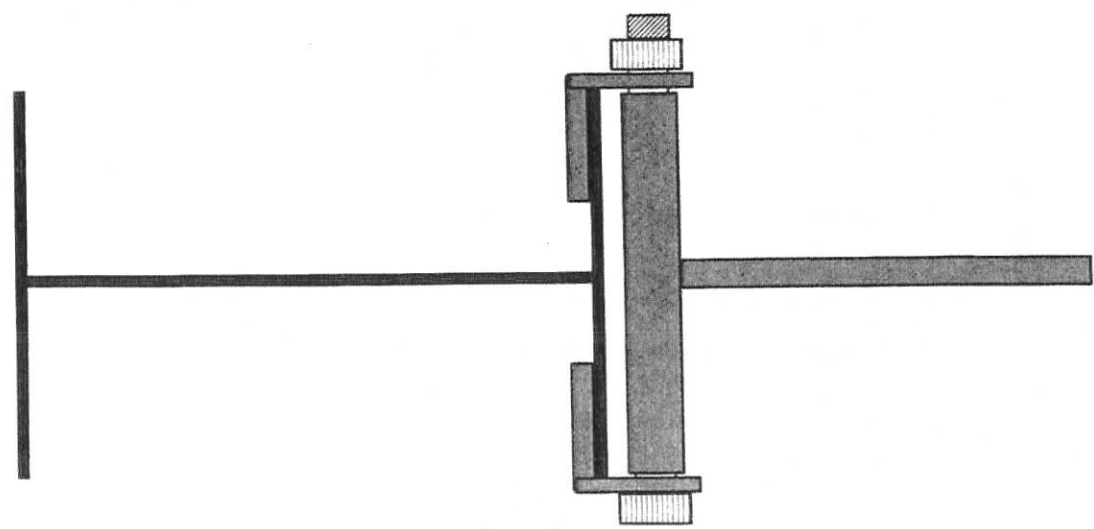


# Lunmar 6000 steel mount kit cable layout

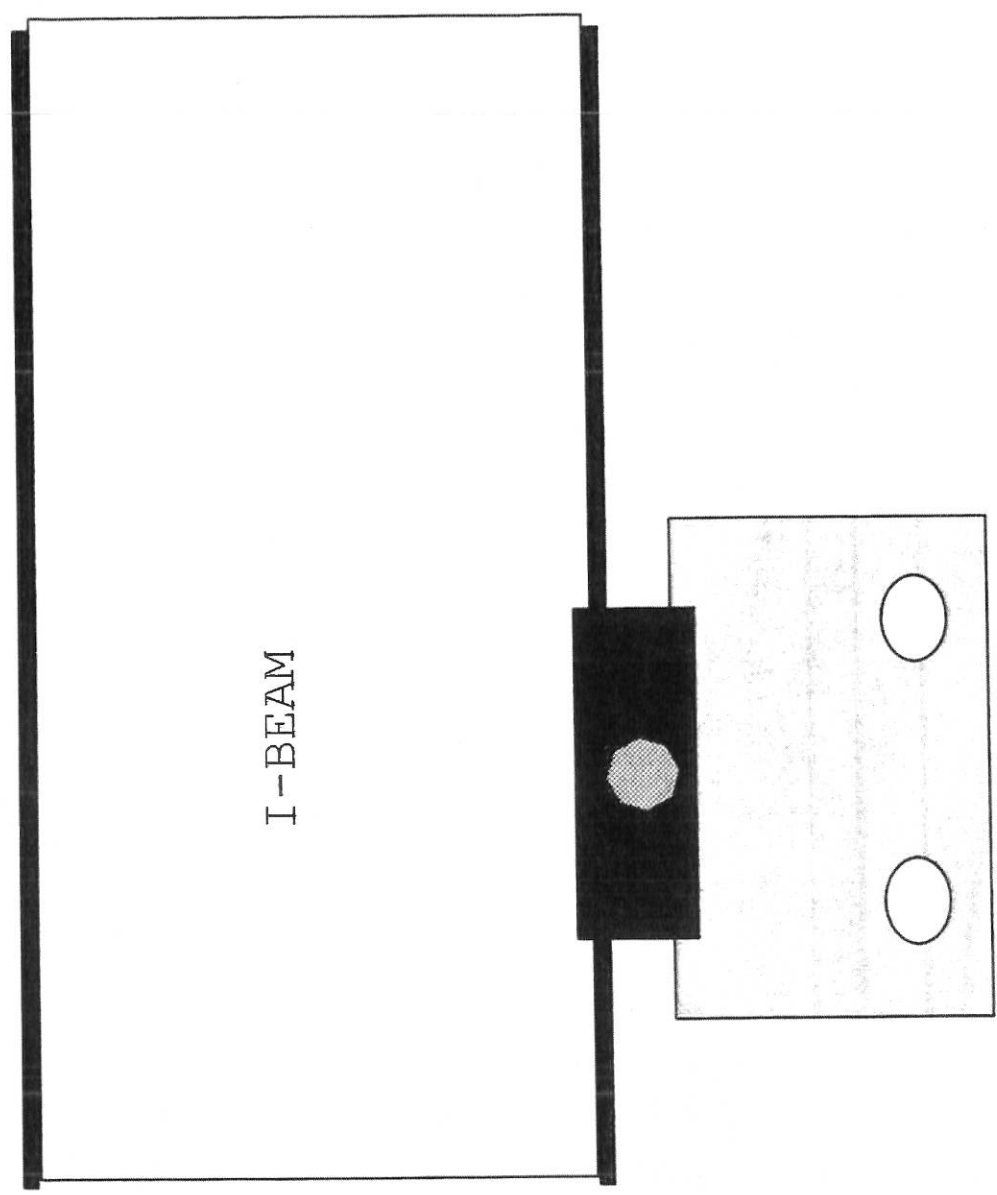


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SULPHUR LA 70665  
337-558-7200  
337-558-7202 (FAX)

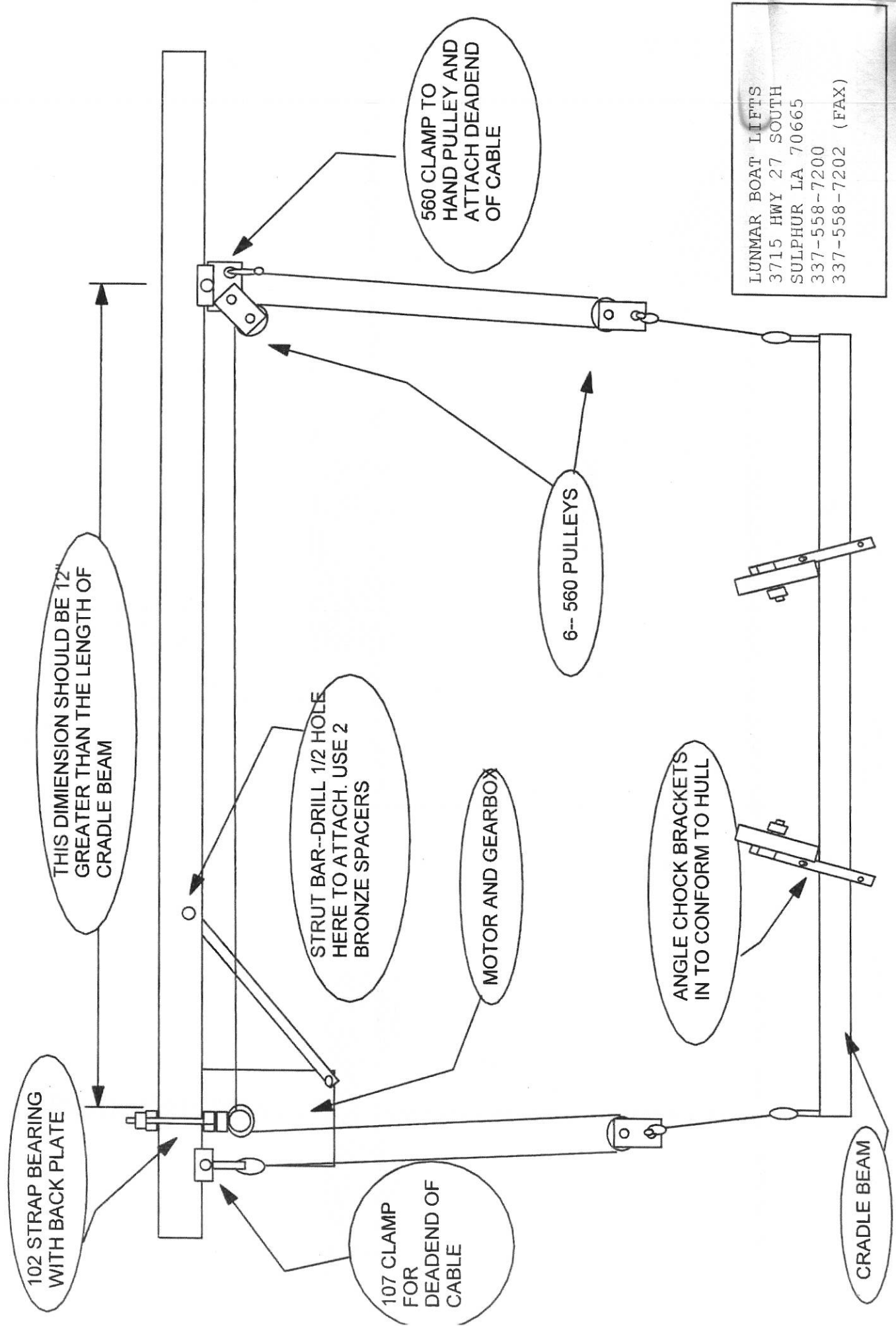
Lunmar boat lifts



I-BEAM CLAMP FOR 560 PULLEY AND DEADMAN



# LUNMAR BOAT LIFTS 6000 STEEL MOUNT CLAMP KIT



LUNMAR BOAT LIFTS  
3715 HWY 27 SOUTH  
SULPHUR LA 70665  
337-558-7200  
337-558-7202 (FAX)