

QAB, INC

LIFT SYSTEMS

OPERATING

MANUAL

QAB, Inc.
3719 W Jackson St.
Pensacola, FL 32505
(850) 437-0956 office
(850) 437-9375 fax

* **IT IS THE RESPONSIBILITY OF THE PURCHASER OF A QAB, INC
PRODUCT TO READ THIS MANUAL IN ITS ENTIRITY PRIOR TO
INSTALLATION, USE OR MAINTENANCE OF THE PURCHASED
PRODUCT.**

INTRODUCTION

Congratulations on your purchase of a QAB, INC. lift system, we appreciate you choosing QAB to purchase your lift system. We want you to know you have purchased the highest quality lift available. This manual is provided to help you operate your system safely. It will also provide necessary maintenance and warranty information. Lifts covered are 3000lb to 16000lb Elevators 4500lb to 20000lb Top Mount or Side Mounted Lifts. 3000lb to 16000lb Dominator Lake Lifts. 1000lb to 2000lb Single Pole Mounted Lifts.

Keep this manual for future reference on electrical and wiring diagrams needed for trouble shooting. For technical advice and questions please email: qabtechsupport@lycos.com
For other technical support problems please call 850-437-9899.
Thank You for your purchase and let us know if we can be of further assistance.

To activate your warranty card found in the rear page of your manual:
You will need the Serial/Model Number located on the motor plate brackets of all lifts. Make sure to write these down before installing your lift or you will need to remove motor plate to access these numbers after installation.
Please take a moment upon arrival of your lift system to fill out and return your warranty card.

QAB, INC.
3719 WEST JACKSON STREET
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SINCERELY,

QAB INC

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PACKING LIST

FOR ALL QAB LIFTS

ALL OUR LIFTS ARE SHIPPED COMPLETE. PLEASE CHECK YOUR PACKING LIST FOR MISSING OR DAMAGED PARTS BEFORE EXCEPTING, AND BEFORE THE DRIVER LEAVES TO MAKE SURE ALL YOUR PARTS HAVE ARRIVED AND ARE NOT DAMAGED.

IF THE DRIVER WILL NOT WAIT FOR YOU TO CHECK THE PARTS OR WILL NOT LET YOU UNLOAD THE LIFT PRIOR TO SIGNING PLEASE NOTE THIS ON THE DELIVERY RECEIPT BEFORE EXCEPTING YOUR LIFT. YOU WILL NEED TO MARK ALL PARTS MISSING OR DAMAGED ON YOUR DELIVERY RECEIPT FOR US TO MAKE A CLAIM AND REPLACE OR REPAIR THE DAMAGED PART(S).

FAILURE TO DO SO WILL RESULT IN A DENIED CLAIM AND WE WILL NOT BE ABLE TO HELP YOU IN ANY WAY.

ITEMS NOT PROVIDED ARE:

- MOUNTING HARDWARE BOLTS REQUIRED
- CONDUIT
- RUBBER MOUNTING PADS
- 220 VOLT GFI'S
- REMOTE CONTROL GFI'S (OPTIONAL EQUIPMENT)

TOPMOUNT (4) POST PACKING LIST

- 4 1/2" x 1.5" HEX BOLTS (4) 1/2" LOCK NUTS LABELED MOTOR PLATE BOLTS
- 2 MOTOR SPACERS : 2" ALUMINUM PIPE 4" LONG WITH A 1/2" HOLE
- 8 2" X 2" ANGLE WITH (4) 3/8" HOLES LABELED BUNK BRACKETS
- 16 3/8" HEX BOLTS (16) 3/8" NUTS (16) 3/8" WASHERS LABELED BUNK HARDWARE
- 4 GUIDE POST BRACKETS LABELED
- 4 STAINLESS CABLES
- 2 COVERS WITH BAG OF HARDWARE
- 2 HALF MOON COVERS
- 2 CRADLE I BEAMS WITH ENDS OR PULLEY EARS BOLTED OR WELDED
- 4 CABLE CLAMPS
- 4 P.V.C WITH DRILLED CAP AND 4 WEIGHT PIPES (3') LONG
- 2 CARPETED OR ALUMINUM BUNKS. CHECK INVOICE
- 1 MUSHROOM ZINC
- 2 DRIVE UNITS COMPLETE WITH PULLEY, SWITCH, BELT AND MOTOR
- 4 4" X 1" X 3/4" BORE PULLEY AND (4) AXLE BOLTS WITH NUTS 9K OR LARGER
LIFTS
- 2 TOP UNITS COMPLETE WITH BAG LABELED HARDWARE
- 4 CABLE DEADMEN ASSEMBLED

- 4 DEADMAN BOLT FOR 16K LIFTS AND LARGER
1/2" X 2.5" HEX BOLTS (8) 1/2" WASHER (4) 1/2" LOCK NUTS (8) 2" X 2" SQUARE
ALUMINUM WASHERS WITH A 1/2" HOLE IN THE CENTER
- 1 QAB OPERATING MANUAL

OPTIONS:

- WALK BOARD
- MOUNTING HARDWARE
- STERN PLATFORM
- EXTRA ZINC
- EXTRA GUIDE POST
- EXTRA BUNKS
- EXTRA BUNK BRACKETS
- WIRELESS REMOTE
- AUTO STOP
- LOW WATER KIT
- SIDEMOUNT BRACKETS

4 1/2" x 1.5" HEX BOLTS (4) 1/2" LOCK NUTS LABELED MOTOR PLATE BOLTS
 2 MOTOR SPACERS : 2" ALUMINUM PIPE 4" LONG WITH A 1/2" HOLE
 8 2"X 2" ANGLE WITH (4) 3/8" HOLES LABELED BUNK BRACKETS
 16 3/8" HEX BOLTS (16) 3/8" NUTS (16) 3/8" WASHERS LABELED BUNK HARDWARE
 2 GUIDE POST BRACKETS LABELED
 2 STAINLESS CABLES
 2 COVERS WITH BAG OF HARDWARE
 2 HALF MOON COVERS
 2 I BEAMS (TRACKS)
 2 CABLE CLAMPS
 2 CROSS BRACING (5) IF 13K OR 16K , 6K HAS NONE. (1) BAG LABELED HARDWARE
 2 P.V.C WITH DRILLED CAP AND (2) WEIGHT PIPES 3' LONG
 2 CARPETED OR ALUMINUM BUNKS. CHECK INVOICE
 1 MUSHROOM ZINC
 2 DRIVE UNITS COMPLETE WITH PULLEY, SWITCH, BELT AND MOTOR
 2 4" X 1" X 3/4" BORE PULLEY AND (2) AXLE BOLTS WITH NUTS
 2 TOP UNITS COMPLETE WITH BAG LABELED HARDWARE
 2 CABLE DEADMAN ASSEMBLED
 2 I BEAM DEADMAN WITH BAG LABELED HARDWARE
 2 SEAWALL OR PILING MOUNT BRACKETS
 1 QAB OPERATING MANUAL

OPTIONS:

- WALK BOARD
- MOUNTING HARDWARE
- STERN PLATFORM
- KICKER BRACE FOR SPANS OVER 13'
- EXTRA ZINC
- EXTRA GUIDE POST
- EXTRA BUNKS
- EXTRA BUNK BRACKETS
- WIRELESS REMOTE
- AUTO STOP
- LOW WATER KIT

4 1/2" x 1.5" HEX BOLTS (4) 1/2" LOCK NUTS LABELED MOTOR PLATE BOLTS
 2 MOTOR SPACERS : 2" ALUMINUM PIPE 4" LONG WITH A 1/2" HOLE
 8 2" X 2" ANGLE WITH (4) 3/8" HOLES LABELED BUNK BRACKETS
 16 3/8" HEX BOLTS (16) 3/8" NUTS (16) 3/8" WASHERS LABELED BUNK HARDWARE
 4 GUIDE POST BRACKETS LABELED
 4 STAINLESS CABLES
 2 COVERS WITH BAG OF HARDWARE
 2 HALF MOON COVERS
 2 CRADLE I BEAMS WITH ENDS OR PULLEY EARS BOLTED OR WELDED
 4 CABLE CLAMPS
 4 P.V.C WITH DRILLED CAP AND 4 WEIGHT PIPES 3' LONG
 2 CARPETED OR ALUMINUM BUNKS. CHECK INVOICE
 1 MUSHROOM ZINC
 2 DRIVE UNITS COMPLETE WITH PULLEY, SWITCH, BELT AND MOTOR
 4 4" X 1" X 3/4" BORE PULLEY AND 4 AXLE BOLTS WITH NUTS 9K OR LARGER LIFTS
 2 TOP UNITS COMPLETE WITH LEG CONNECTIONS BOLTED ON BOTTOM
 4 TOP UNIT TO LEG HARDWARE (4) 3/8" X 3 1/2" BOLTS, LOCKWASHERS & NUTS
 4 CABLE DEADMEN ASSEMBLED
 2 K-BRACE - A PIECE OF CHANNEL WITH TWO UPRIGHTS WITH 3/8" HOLES
 8 K-BRACE HARDWARE (8) 3/8" X 2" FLAT PLATE (16) 3/8 BOLTS LOCK WASHERS & NUTS
 4 45 DEGREE BRACES (4) 2" FLAT BAR 42" LONG WITH 3/8" HOLES ON EACH SIDE
 (4) 3/8" X 4" TO 4 1/2" BOLTS (4) 3/8" X 1 1/2" BOLTS, LOCKWASHER, AND NUTS
 2 SIDE BRACE CHANNELS WITH (4) PRE-DRILLED 3/8" HOLES
 (4) CHANNELS FOR 9K OR LARGER & DEEP WATER KITS
 4 SIDE BRACE SPACERS (4) 1/4" OR 3/8" FLATBAR 2" X 2" WITH 3/8" HOLE
 4 LEGS 3" X 3" BOX WITH 2.45" BOX EXTENTIONS WITH FOOT ING ON BOTTOM
 1 QAB OPERATING MANUAL

OPTIONS:

- WALK BOARD
- MOUNTING HARDWARE
- STERN PLATFORM
- EXTRA ZINC
- EXTRA GUIDE POST
- EXTRA BUNKS
- EXTRA BUNK BRACKETS
- WIRELESS REMOTE
- AUTO STOP
- LOW WATER KIT
- SIDEMOUNT BRACKETS
- * DEEP WATER KIT

- 8 1/2" x 1.5" HEX BOLTS (8) 1/2" LOCK NUTS LABELED MOTOR PLATE BOLTS
- 4 MOTOR SPACERS : 2" PIPE 4" LONG WITH A 1/2" HOLE
- 8 2"X 2" ANGLE WITH (4) 3/8" HOLES LABELED BUNK BRACKETS
- 16 3/8" HEX BOLTS (16) 3/8" NUTS (16) 3/8" WASHERS LABELD BUNK HARDWARE
- 4 GUIDE POST BRACKETS LABELED
- 4 STAINLESS CABLES
- 4 COVERS WITH BAG OF HARDWARE
- 4 HALF MOON COVERS
- 2 CRADLE I BEAMS WITH ENDS OR PULLEY EARS BOLTED OR WELDED
- 4 CABLE CLAMPS
- 4 P.V.C WITH DRILLED CAP AND (4) WEIGHTPIPES 3' LONG
- 2 CARPETED OR ALUMINUM BUNKS. CHECK INVOICE
- 1 MUSHROOM ZINC
- 4 DRIVE UNITS COMPLETE WITH PULLEY, SWITCH, BELT, AND MOTOR
- 4 4" X 1" X 3/4" BORE PULLEY AND (4) AXLE BOLTS WITH NUTS 9K OR LARGER LIFTS
- 4 TOP UNITS COMPLETE WITH BAG LABELED HARDWARE
- 4 CABLE DEADMEN ASSEMBLED
- 1 QAB, INC OPERATORS MANUAL

- 4 DEADMAN BOLTS FOR 16K LIFTS AND LARGER - (8) 1/2" X 2.5" HEX BOLTS (8) 1/2" WASHER (4) 1/2" LOCK NUTS (8) 2" X 2" SQUARE ALUMINUM WASHERS WITH A 1/2" HOLE IN THE CENTER
- 1 QAB OPERATING MANUAL

OPTIONS:

- WALK BOARD
- MOUNTING HARDWARE
- STERN PLATFORM
- EXTRA ZINC
- EXTRA GUIDE POST
- EXTRA BUNKS
- EXTRA BUNK BRACKETS
- WIRELESS REMOTE
- AUTO STOP
- LOW WATER KIT
- SIDEMOUNT BRACKETS

1000LB , 1200LB 1500LB AND 2000LB MODELS

- 2 1/2" x 1.5" HEX BOLTS (4) 1/2" LOCK NUTS LABELED MOTOR PLATE BOLTS
ELECTRIC ONLY
- 2 3/8" x 1.5" HEX BOLTS (4) 1/2" LOCK NUTS LABELED MOTOR PLATE BOLTS
MANUAL ONLY

- 4 2"X 2" ANGLE WITH (4) 3/8" HOLES LABELED BUNK BRACKETS
(1500LB AND 2000LB) ONLY
- 8 3/8" HEX BOLTS (16) 3/8" NUTS (16) 3/8" WASHERS LABELD BUNK HARDWARE
(1500LB AND 2000LB) ONLY
- 4 PRE ASSEMBLED BUNK BRACKETS (1200LB) ONLY
- 4 SQARE TUBE 3" X 3" WITH WELDED ANGLE (1000LB) ONLY
- 4 3/8" X 2.5" BOLTS LABLED BUNK BOLTS (MANUAL ONLY)
- 1 STAINLESS CABLE
- 1 COVERS WITH BAG OF HARDWARE IF ELECTRIC LIFT
- 1 CRADLE COMPLETE WITH PULLEY EAR WELDED AND WHEELS ASSEMBLED
- 1 CABLE CLAMP
- 2 P.V.C WITH DRILLED CAP AND (2) WEIGHT PIPES 2' OR 3' LONG
- 2 CARPETED OR ALUMINUM BUNKS. CHECK INVOICE
- 1 MUSHROOM ZINC
- 1 MANUAL WINCH (MANUAL UNITS)
- 1 DRIVE UNITS COMPLETE WITH PULLEY, SWITCH, BELT AND MOTOR (ELECTRIC)
- 1 4" X 1" X 3/4" BORE PULLEY AND 4 AXLE BOLTS WITH NUTS 9K OR LARGER LIFTS
- 1 PILING STRAP WITH BAG LABELED HARDWARE
- 1 CABLE DEADMEN ASSEMBLED (1500LB AND 2000LB) ONLY
- 1 1/2" X 2" BOLT WITH LOCK NUT AND (2) WASHERS FOR MANUAL DEADMAN
- 1 I BEAM TRACK (12') FOR 1000LB AND 1200LB (20') 1500LB AND 2000LB (14')
- 1 ROTATING ARM (1) 1.5" ALUMINUM PIN 24' LONG (1) PILING MOUNT BRACKET
1000LB ONLY
- 1 PILING MOUNT BRACKET OR SEAWALL MOUNT BRACKET (1200LB WELDED ON)
- 1 QAB OPERATING MANUAL

OPTIONS:

- WALK BOARD
- MOUNTING HARDWARE
- EXTRA ZINC
- EXTRA GUIDE POST
- EXTRA BUNKS
- EXTRA BUNK BRACKETS
- WIRELESS REMOTE
- AUTO STOP
- LOW WATER KIT

OPTIONAL EQUIPMENT

1. **WIRELESS REMOTE CONTROL : A REMOTE CONTROL THAT WORKS WITH A WIRELESS HAND HELD UNIT TO LOWER AND RAISE YOUR BOAT FROM 50' TO 100' AWAY FROM DOCK.**
2. **STAINLESS STEEL MOTORS : GREAT PROTECTION FOR YOUR MOTORS, VIRTUALLY ELIMINATES RUSTY MOTORS.**
3. **WASH DOWN MOTORS : PROVIDES EXTEND LIFE IN HIGH HUMITITY OR WET ENVIROMENTS.**
4. **ALUMINUM BACK PLATES WITH BRONZE WORM GEAR AND BUSHINGS: ADD'S 20 YEARS TO THE DRIVE PLATE WARRANTTY.**
5. **ALUMINUM WALK WAYS : WALKWAYS PROVIDE AWAY TO WORK, DO MAINTAINCE AND MAKE CLEANING YOUR BOAT EASIER.**
6. **ALUMINUM DOCK LADDERS: MAKES GETTING INTO THE WATER FROM YOUR DOCK EASIER.**
7. **LOW WATER CRADLE: LESS AREA COVERAGE ON THE CRADLE IN AREAS THAT MIGHT HAVE TO BE DREADGED DUE TO LIMITED WATER DEPTH. ALSO GREAT FOR AREAS NEXT TO SEAWALLS THAT MIGHT HAVE RAISED SOIL.**
8. **STERN PLATFORMS : PROVIDES EASY ACCESS TO SERVICE OUTBOARD MOTORS AND LOWER STERN DRIVES THAT NEED TO BE FLUSHED.**
9. **CUSTOM BUNKS : PROVIDE BUNK SYSTEMS FOR BOATS WITH SPECIAL NEEDS.**
10. **ALUMINUM BUNKS : ALUMINUM BUNKS THAT HAVE RUBBER TOPS AND BUMBERS ON FRONT OF BUNKS. EXTENDED LIFE ON BOAT BUNKS.**
11. **CUSTOM ACCERSORIES : SAFETY HAND RAILS, GANG PLANKS, FISH CLEANING TABLES, ACCESS RAMPS, STAIRS AND OTHER PRODUCTS YOU MIGHT WANT.**

***QAB INC.* LIFT SYSTEMS**
3719 WEST JACKSON STREET, PENSACOLA FLORIDA. 32506
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PERSONAL SAFETY

NOTE: NOT FOLLOWING THESE SAFETY PRODEDURES COULD RESULT IN PERSONAL INJURY , PROPERTY DAMAGE AND OR SERIOUS INJURY AND DEATH.

THINGS YOU SHOULD NEVER DO AND ALWAYS DO :

NEVER DO:

1. NEVER RIDE ON THE LIFT OR BOAT WHILE IT IS BEING LIFTED OR IS ABOVE THE WATER.
2. NEVER ALLOW THE BOAT TO FILL WITH WATER.
3. NEVER USE WALK WAYS WHILE LIFT IS EMPTY. WALKWAYS ARE FOR WHEN YOUR BOAT IS IN THE LIFT AND TOP OF BEAMS ARE EVEN WITH WATER LEVEL.
4. NEVER USE ELECTRICAL TOOLS WHILE NEAR LIFT.
5. NEVER POWER YOUR BOAT ONTO LIFT, IF THERE ISN'T ENOUGH WATER TO GET BOAT ON LIFT WAIT FOR A HIGHER TIDE.
6. NEVER LET YOUR CRADLE BEAMS TOUCH BOTTOM.
7. NEVER HANG WEIGHT OF BOAT UNEVENLY. (CHECK WITH BOAT MANUFACTUER FOR POSTIONING OF BOAT ON LIFT.)
8. NEVER LEAVE CRADLES IN WATER. ELECTROLISIS CAN CAUSE DAMAGE TO LIFT.
9. NEVER ALLOW CABLE TO WIND ON IT SELF OR DAMAGE TO CABLES CAN HAPPEN.
10. NEVER OVERLOAD LIFT BEYOND FACTORY SPECIFIED LIFTING CAPACITY.
11. NEVER LEAVE LIFT RUNNING OR UNATTENDED . PERSONAL INJURY , PROPERTY DAMAGE AND OR SERIOUS INJURY AND DEATH COULD BE THE RUSULT.
12. NEVER ALLOW WIRELESS HAND HELD UNIT TO GET WET OR DAMAGED. TRANSMISSION RANGES CAN FLUCTUATE AND LIFT CAN BE ACCIDENTALLY STARTED OR TRIGGERED BY ANOTHER REMOTE AND REQUIRE RE-CODING.
TO MAKE SURE THESE ACCIDENTS DON'T HAPPEN NEVER LEAVE LIFT RUNNING OR UNATTENDEDAND KEEP CONTROL PANEL KEY IN OFF POSTION WHEN NOT IN USE.
13. NEVER USE THE LIFT WHEN SOMEONE IS NEAR OR UNDER THE BOAT.
14. NEVER LIFT A BOAT ON FRAYED CABLES, INSPECT REGULARLY AND REPLACE DAMAGED CABLES. ALWAYS WATCH FOR PROPER PLACEMENT OF BOAT ON LIFT. IF BOAT IS POSTIONED INCORRECTLY OR IS LIFTING IMPROPERLY LOWER LIFT AND REPOSTION BOAT ON BUNKS.

ALWAYS DO:

15. ALLOW ONLY ADULTS WHO HAVE READ THE OWNERS MANUAL TO OPERATE LIFT .
16. ALWAYS PERFORM REQLAR MAINTENANCE ON LIFT SYSTEM.
17. ALWAYS USE A LICENSED CONTRACTOR OR ELECTRICIAN. PULL ALL LOCAL AND STATE PERMITS TO INSURE A SAFE LOCATION FOR YOUR LIFT SYSTEM.
18. ALWAYS TURN MAIN POWER OFF WHEN LIFT NOT IN USE.
19. ALWAYS RAISE BOAT ABOVE HIGH TIDE LEVELS.
20. ALWAYS INSPECT BUNKS REGULARLY FOR DAMAGE AND REPLACE AS NEEDED.
21. ALWAYS KEEP ALL BODY PARTS AWAY FROM ALL MOVING PARTS.
22. ALWAYS TAKE BOAT OFF LIFT DURING STORMS AND SECURE LIFT.
ALWAYS BUFFER ALUMINUM FROM PILINGS AND SEAWALLS WITH RUBBER.

NOTE: NOT FOLLOWING THESE SAFETY PRODEDURES COULD RESULT IN PERSONAL INJURY , PROPERTY DAMAGE, AND OR SERIOUS INJURY AND DEATH.

MAINTENANCE INSTRUCTIONS

THE FOLLOWING MATERIALS AND TOOLS ARE NEEDED FOR ROUTINE MAINTENANCE OF YOUR LIFT SYSTEM.

- PAPER TOWELS AND THICK GLOVES
- GREASE GUN AND WATERPROOF LITHIUM GREASE
- WATER HOSE AND WATER
- LEVEL
- RUST RESISTANT SPRAY
- 9/16" WRENCH 3/4" WRENCH 1-1/4" WRENCH

ROUTINE CLEANING AND MAINTENANCE

- CLEAN LIFT AFTER EVERY USE SPRAYING IT OFF WITH FRESH WATER.
- GREASE ALL MOVING PARTS EVERY 2 MONTHS (WHILE BOAT IS OFF LIFT):
- RUN A PAPER TOWEL WITH LUBRICANT DOWN ALL CABLES WHILE BOAT IS NOT IN LIFT TO CHECK FOR FRAYS. REPLACE CABLES AS NEEDED.
(USE THICK GLOVES TO PROTECT YOUR HANDS)
- PUT A LEVEL ON TOP OF LIFT IN SEVERAL PLACES TO CHECK FOR SETTLEING, LEVEL LIFT IF THIS OCCURS.
- CHECK FOR LOOSENING OF BOLTS AFTER INITIAL LIFTING OF BOAT,
(MAKE SURE BOAT IS NOT IN LIFT) THEN EVERY 3 MONTHS RECHECK BOLTS FOR TIGHTNESS.
- CHECK BELTS FOR TIGHTNESS EVERY 3 MONTHS
- SPRAY MOTORS WITH NON FLAMABLE CORROSIVE SPRAY.
- CHECK BUNKS REGULARLY FOR SPLITTING AND TEARS IN CARPET.
CHECK ALUMINUM BUNK RUBBER FOR WEAR.
- HAVE A ELECTRICAL INSPECTION DONE YEARLY OR AFTER EVERY STORM
BY A LICENSED ELECTRICIAN.
- TEST G.F.I'S BEFORE USE OF LIFT.
- TO KEEP GROWTH OFF THE TRACKS OF THE ELEVATOR AND P.W.C LIFTS
YOU MUST USE THEM EVERY 7 TO 10 DAYS OR YOU WILL NEED TO SCRAPE
THE TRACKS (CLEAN) TO PREVENT DAMAGE TO LIFT AND BOAT.

ELECTRICAL

ELECTRIC: The proper size wire, motor and amperage are needed to operate your lift. A qualified, licensed electrician can assist you in evaluating any and all of these factors. It is not advisable to do any electric repairs, or installations, unless you are qualified to do so.

Wiring the two ¾ HP motors for a 220 VAC electrical supply instead of 110 VAC reduces the amperage required resulting in lower electrical AMPS between the power supply box and the motors which will increase the motors reliability.

Our Elevators have "zincs" that protect the tracks from electrolysis . These Zincs should be hung into the water from a bolt on the lift. For the first time check the zinc for any deterioration within three (1) months. If the zinc shows any deterioration there is an electrolysis problem, contact your installer. Thereafter, check the zinc every six (6) months. When the zinc wears down to half its size...call 850-437-0956 to purchase a replacement.

*These lifts should be wired so they can be unplugged. This will prevent electrolysis problems from any feed back in the electrical system. Failure to do so will allow electrolysis to eat away at the tracks of your lift that reach down into the water. This will result in the tracks breaking and dropping your boat!

A GROUND FAULT INTERRUPT (GFI) must be used with all lifts to provide protection against electrical shock that could result in **serious injury or death.**

ELECTRICAL REQUIREMENTS

WIRE SIZE PER MOTOR:

CHECK WIRE SIZE TO INSURE FULL POWER

MINIMUM SIZE COPPER WIRE FOR FULL POWER

| Motor HP | 0-50' | | 100 FT | | 200 FT | | 300 FT | | 400 FT | |
|----------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| | 110v | 230v | 110v | 230V | 110V | 230V | 110V | 230V | 110V | 230V |
| 1/3 HP | 14 | ----- | 10 | ----- | 8 | ----- | 6 | ----- | 4 | ----- |
| ½ HP | 12 | ----- | 10 | ----- | 6 | ----- | 4 | ----- | 4 | ----- |
| ¾ HP | 12 | 14 | 8 | 10 | 6 | 10 | 4 | 10 | 3 | 6 |
| 1 hp | 10 | 12 | 8 | 10 | 4 | 10 | 3 | 8 | 2 | 6 |
| 1 ½ HP | 8 | 12 | 6 | 8 | 3 | 8 | 1 | 6 | 1/0 | 4 |

MAXIMUM VOLTAGE DROP 4% FOR FULL POWER

MOTOR DIAGRAM

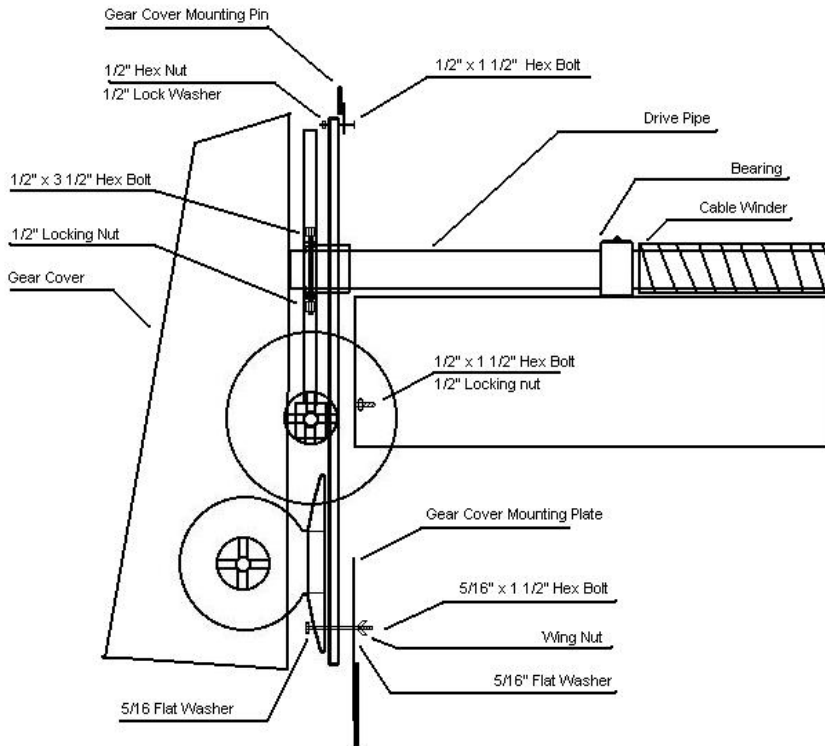
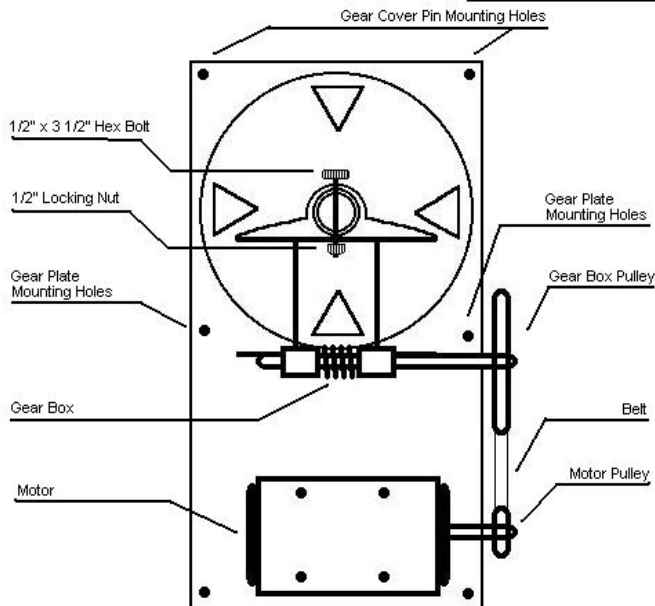
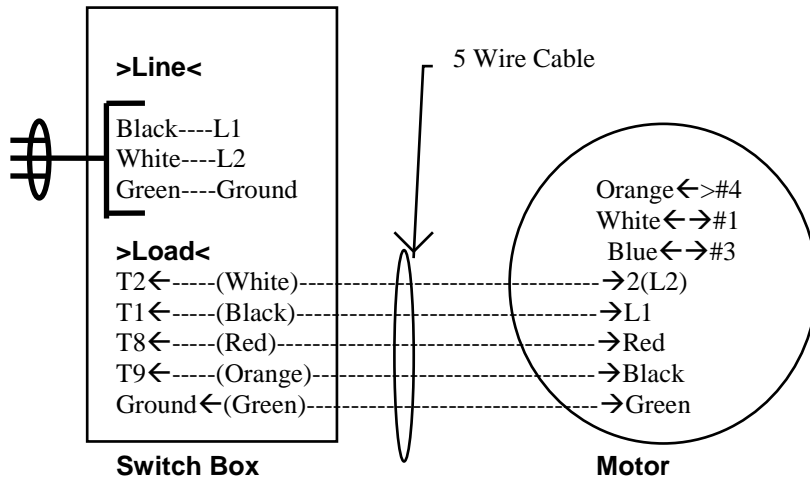


Figure 5

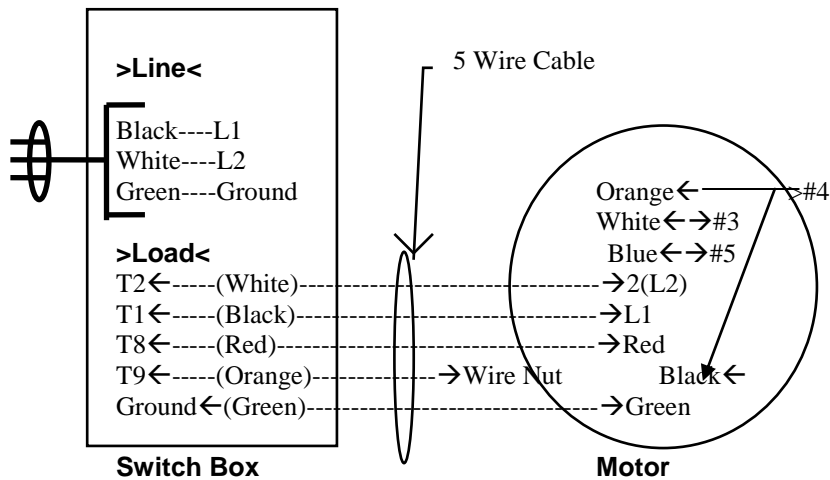


WIRING DIAGRAMS
FOR QAB, INC
LIFT MOTORS
AND REMOTES

Bremas - Reversing Switch - 115 Volt.



Bremas - Reversing Switch - 230 Volt.



Up - Clockwise Down - Counter Clockwise.

NOTE: To switch from 115V to 230V move White motor wire from #1 to #3 and Blue motor wire from #3 to #5, Put a flag on the Black motor Wire then hook to post #4, Put wire nut on Orange wire from switch (Not Used). **For 230V use, GFCI MUST be 230V Type.**

REMOTES: To install a remote remove hand switch, hook the 5 wire cable from motor as follows:

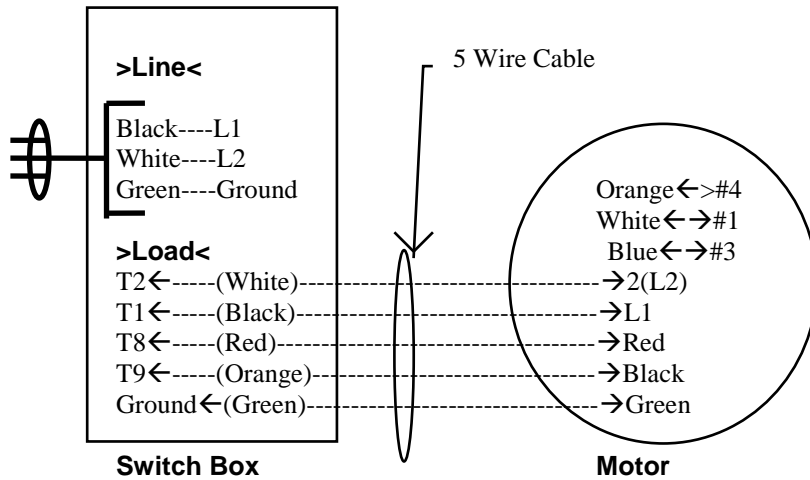
Remote Orange to the 5 wire White

Remote Black to the 5 wire Black

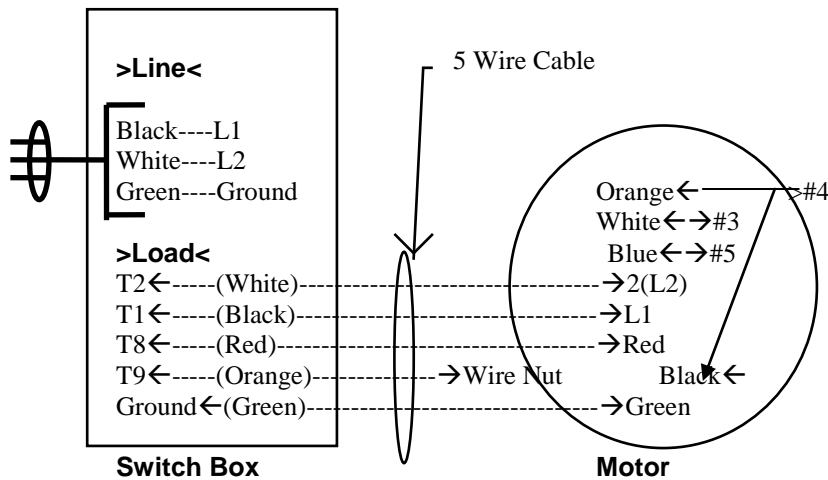
Remote White to the 5 wire Orange - 115V - Unused for 230V

Remote Red to the 5 wire Red

Bremas - Reversing Switch - 115 Volt.



Bremas - Reversing Switch - 230 Volt.



Up - Clockwise Down - Counter Clockwise.

NOTE: To switch from 115V to 230V move White motor wire from #1 to #3 and Blue motor wire from #3 to #5, Put a flag on the Black motor Wire then hook to post #4, Put wire nut on Orange wire from switch (Not Used). **For 230V use, GFCI MUST be 230V Type.**

REMOTES: To install a remote remove hand switch, hook the 5 wire cable from motor as follows:

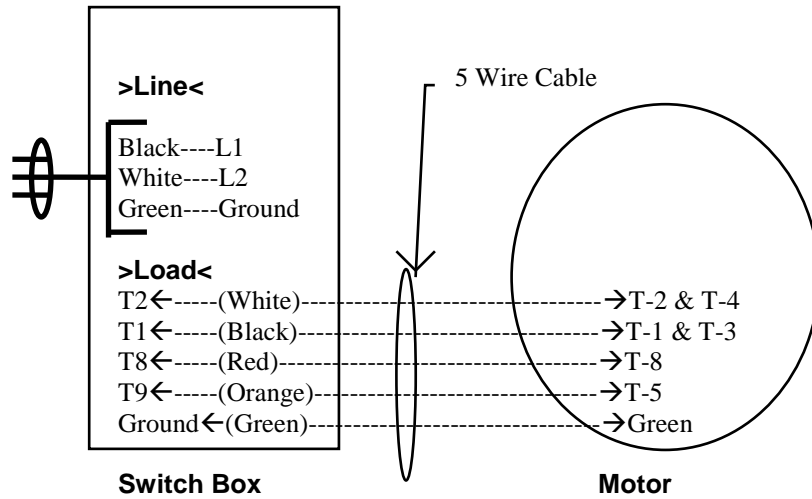
Remote Orange to the 5 wire White

Remote Black to the 5 wire Black

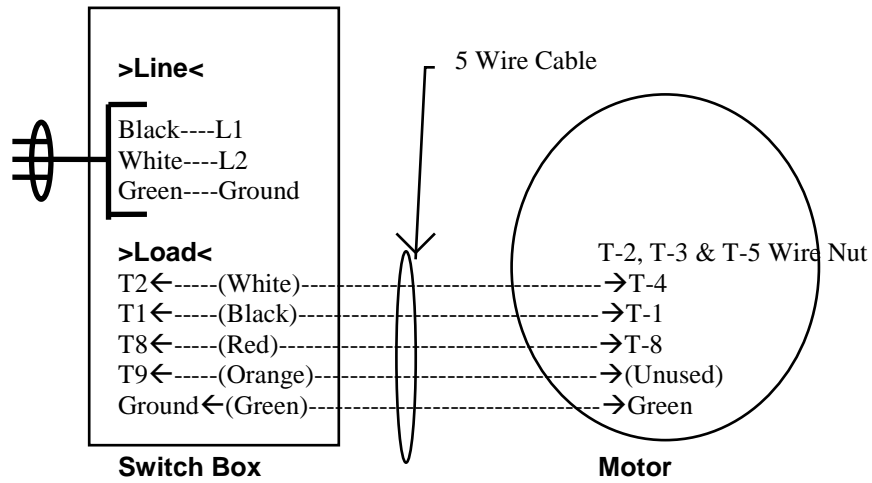
Remote White to the 5 wire Orange - 115V - Unused for 230V

Remote Red to the 5 wire Red

Bremas - Reversing Switch - 115 Volt.



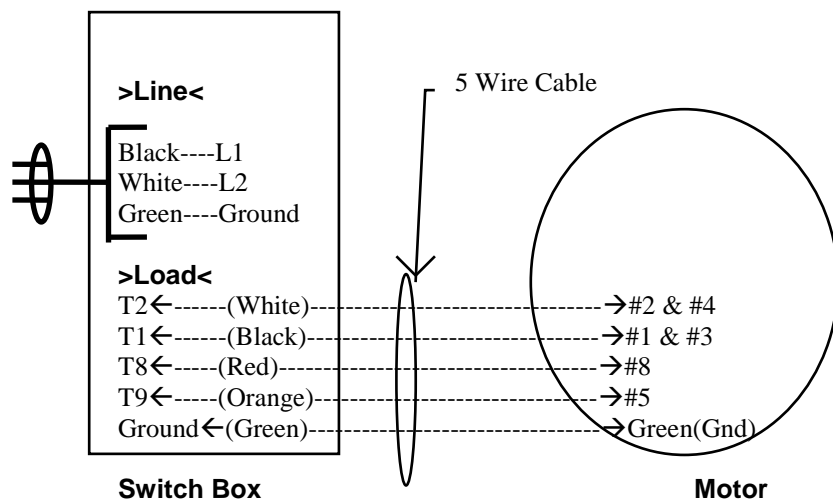
Bremas - Reversing Switch - 230 Volt.



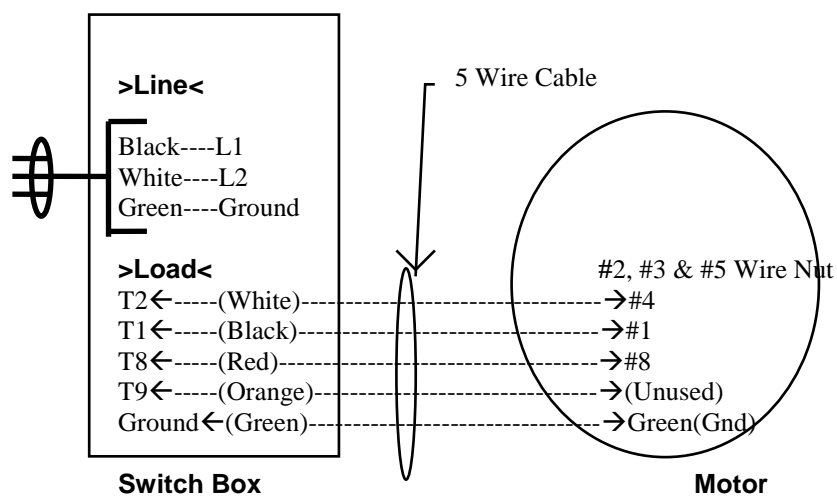
Up - Clockwise Down - Counter Clockwise.

NOTE: For 230V use GFCI *MUST* be 230V Type.

Bremas - Reversing Switch - 115Volt.



Bremas - Reversing Switch - 230 Volt.



Up - Clockwise Down - Counter Clockwise.

GEM Remote wiring to Aqua Marine Supply Wiring

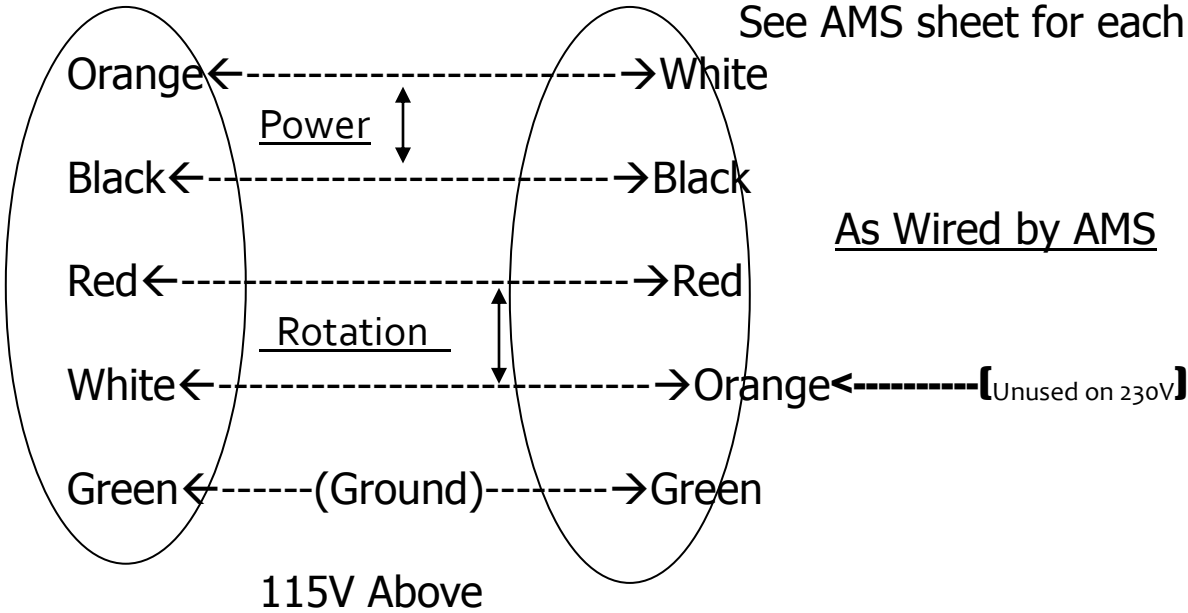
NOTE: Use this when changing from a hand switch to a remote.

When going from 115V to 230V changes must be made in motor
See motor wiring sheet for changes.

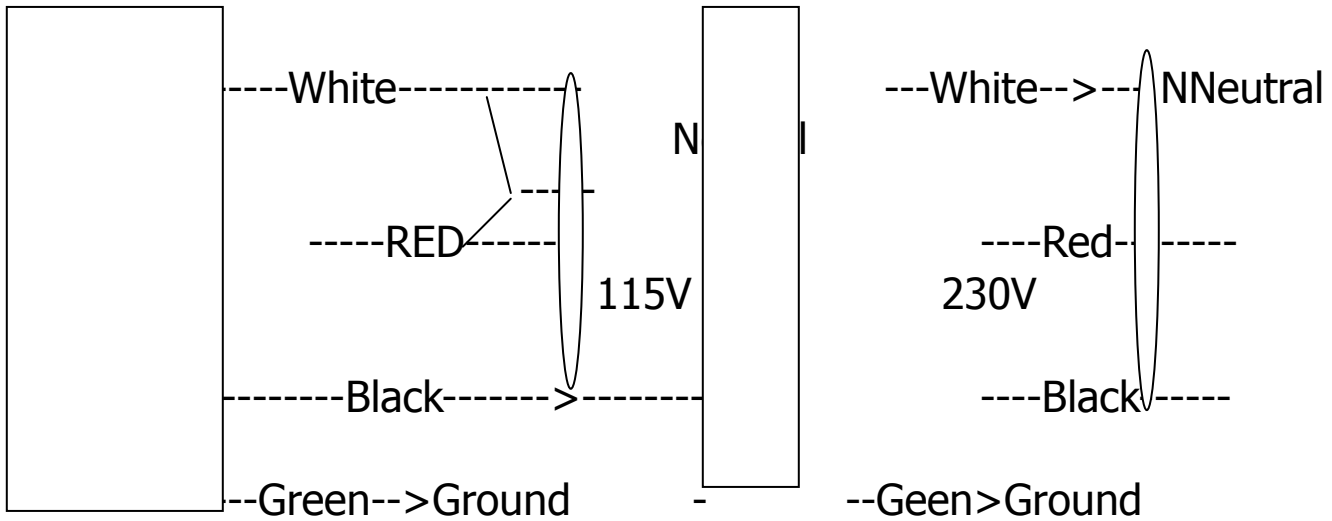
GEM Wiring

AMS Standard Motor Wiring

See AMS sheet for each motor type.



115V Above

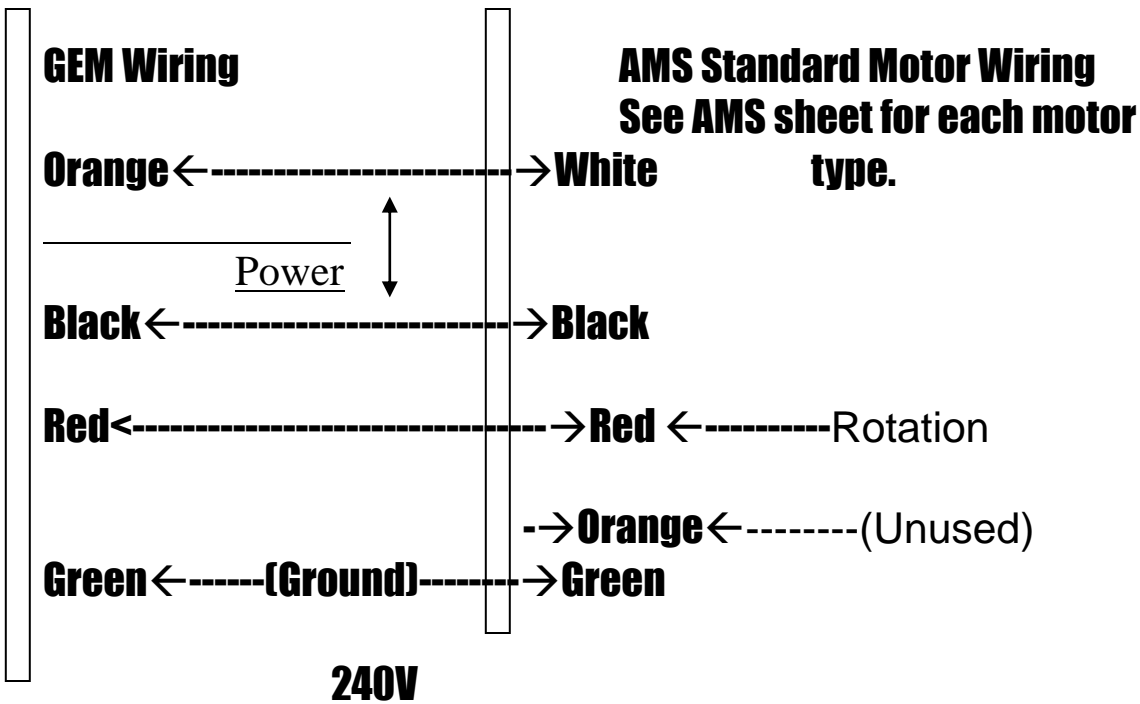


Gem Remote 115V Feed

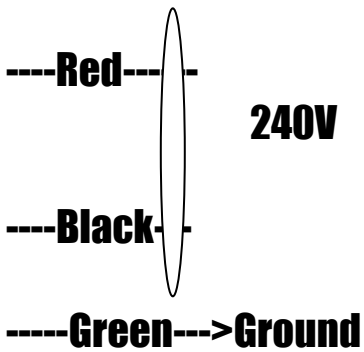
230V Feed

Rev: 06-25-04

GEM 4 Remote wiring to Aqua Marine Supply Wiring



→ Orange ←----- (Unused 230V)



Gem 240V Feed

Rev: 08-02-02

INSTRUCTIONS FOR ALL QAB LIFTS

INSTRUCTIONS FOR OUR LIFTS CAN BE FOUND AT LINKS LISTED BELOW.

If you need a copy of the instructions please email us and we will mail you a copy. Please include your complete mailing address.

(4) POST CRADLE LIFTS:

<http://www.boatliftinstructions.com/inst.htm>

(4) POST BEAMLESS LIFTS:

<http://www.boatliftinstructions.com/beainst.htm>

(2) POST ELEVATOR LIFTS:

<http://www.boatliftinstructions.com/elevinst.htm>

DOMINATOR LAKE LIFTS:

<http://www.boatliftinstructions.com/dominst.htm>

(1) POST PWC LIFTS 1000 TO 2000LBS

<http://www.boatliftinstructions.com/pwlinst.htm>

SIDEMOUNTED (4) POST LIFTS:

<http://www.boatliftinstructions.com/sideinst.htm>

BOATHOUSE LIFT:

<http://www.boatliftinstructions.com/bhouseinst.htm>

For Tech Support e-mail [Tech Support](mailto:techsupp@qualityaluminumboatlifts.com) techsupp@qualityaluminumboatlifts.com

Please keep in mind to handle your questions we prefer them to be in e-mail so that all of our staff has access and can help you.

To quicken the process, you can take pictures of the part or area you have questions on and send them to us. Having the pictures helps us clarify any questions due to the high volume of lifts we manufacture for different companies.

OPERATING INSTRUCTIONS

NOTE: READ SAFETY INSTRUCTIONS BEFORE USING THIS LIFT.

LIFTING THE BOAT:

AFTER INITIAL RAISING OF YOUR BOAT ALWAYS INSPECT LIFT FOR DAMAGED CABLES, BELTS, SHEAVES AND OTHER PARTS FOR DETERIORATION OR DAMAGE.

Turn main power on after making sure controls are in off position. Turn power on and make sure your power light is on your ground faults.

Then use both switches simultaneously to take cradle down until you have enough water to float the boat on without hitting the bottom with your cradle. Pull the boat up until the strap marks are sitting between or equally apart at the cables to distribute the weight load correctly. Never have more than 4' hanging over rear beam.

After making sure there are no people on or near boat start to lift the boat.

Make sure to lift the cradle completely out of the water to prevent damage from electrolysis.

To lower the boat follow steps above making sure there are no people on or near the boat while in operation.

Guiding the boat on or off the lift should always be done by hand using the guide post to position the boat on the cradle and between the cables at the correct lifting point.

- **Read all instructions and safety rules before turning on lift.**
- **Lifts are not for lifting human beings.**
- **Never let the cradle touch bottom.**
- **Wash lift off with fresh water after every use.**
- **Never install extra wood to cradle.**
- **Never power your boat on or off the lift.**
- **Never stay on boat while it is being lifted or lowered.**
- **Never let anyone under 18 use a lift system.**

TROUBLESHOOTING

| <u>PROBLEM</u> | <u>CAUSE</u> | <u>WHAT TO DO</u> |
|--|---|---|
| LIFT MOTOR WON'T START. | POWER SHUT OFF AT MAIN BREAKER, BREAKER TRIPPED OR GFI TRIPPED. | TURN ON POWER, RESET BREAKER OR RESET GFI. |
| GFI CIRCUIT BREAKER WON'T RESET. | SHORT IN SYSTEM OR WATER IN GROUND FAULT. | <u>CONTACT A ELECTRICIAN</u> REPLACE GFI. |
| CABLES DON'T WIND PROPERLY ON CABLE WINDER. | NOT ENOUGH CABLE TENSION, LIFT IS OUT OF SQUARE/LEVEL OR CRADLE HAS HIT SOIL BOTTOM. | ADD WEIGHT TO CRADLE. LEVEL OR SQUARE UP LIFT. DREDGE FOR ADDITIONAL WATER DEPTH. |
| LOWER CRADLE FLOATS. | TO MUCH WOOD ON CRADLE OR CRADLE IS BEING LIFTED BY WAVE ACTION. | REMOVE EXCESS WOOD OR ADD LEAD TO WOOD AND CRADLE AS NEEDED. |
| MOTOR TURNS THE WRONG DIRECTION OR CABLES WINDING IN WRONG DIRECTION. | SWITCH IS WIRED WRONG. CABLES WRAPPED IN REVERSE. | CHANGE T-8 AND T-9 IN THE SWITCH. WRAP CABLES ON CABLE WINDER CORRECTLY. |
| BOAT AND LIFT ARE NOT LEVEL. | MOTOR SPEED IS DIFFERENT BETWEEN (2) MOTORS OR PILING(S) HAVE SUNK. | ADJUST (1) MOTOR ONLY. ADJUST PILINGS AND RESET LIFT. |
| ELEVATOR WON'T GO ALL THE WAY DOWN, GETS HUNG HALF WAY DOWN OR UP TRACK. | TRACKS OR BRACING UNLEVEL OR OUT OF SQUARE AND ATTACHED WRONG. (1) MOTOR RUNNING FASTER THAN OTHER. | LEVEL LIFT TRACKS OR FIX BRACING. ADJUST MOTOR SO IT ISN'T TO FAR AHEAD OF 1 ST MOTOR MAKING IT BIND ON TRACK. |
| MOTORS HUMMING AND WON'T WORK. | DIRT OR PARTICLES IN WORM GEAR. BELT TO TIGHT. BAD MOTOR OR SWITCH. | CLEAN WORM AND BULL GEAR AND REGREASE. ADJUST BELT. REPLACE SWITCH OR MOTOR. |
| PULLEYS ON CRADLE ARE MAKING A NOISE. | TO TIGHT OR NEEDS GREASE. | GREASE PULLEYS AND/OR ADJUST TENSION. |
| ZINC IS WEARING FAST. | ELECTRICAL PROBLEM. | CALL ELECTRICIAN. |
| BOAT ROLLS WHEN STARTING TO LIFT BOAT. | BUNKS ARE ADJUSTED WRONG. | ADJUST BUNKS UNTIL BOAT SITS PROBERLY. |
| DRIVE BELT MAKES NOISE. | TO LOOSE. | TIGHTEN. |

QAB LIFT SYSTEMS LIMITED WARRANTY

QAB INC. Warrants our Lift systems as follows:

The structural integrity of the aluminum and stainless steel structural members of the Elevator Lift, Dominator Lake Lift, (4) Post Cradle Lift and the Beamless Cradle Lift will be free from defects in material and workmanship for a period of TEN (10) years from the date of purchase to the original purchaser. The structural integrity of the aluminum and stainless steel structural members of any of our PWC Lifts will be free from defects in material and workmanship for a period of FIVE (5) years from the date of purchase to the original purchaser. Hefty Hoist Gear Drives Plates will be free from defects in material and workmanship for a period of FIVE (5) years from date of delivery to the original purchaser. The electrical motor will be free from defects in material and workmanship for a period of TWO (2) years from date of purchase to the original purchaser. The remaining components will be free from defects in material and workmanship for a period of ONE (1) year from date of purchase to the original purchaser. The existing warranty will be null and void should the equipment be used in any commercial fashion other than that in accordance with the recommendations contained in the operators manual provided to the original purchaser. The existing warranty will be null and void if the lift is damaged by an event that is not the company's fault; such as, but not limited to, damage caused by accidents, misuse, overloading, negligence, alteration, modification, or abusive operation. The existing warranty will be null and void should the original purchaser or anyone not authorized attempts to make any repairs or replace any of it's component parts, or otherwise alter the equipment. These warranties further do not cover any damages whatsoever including incidental and/or consequential damages resulting from any adverse weather conditions, acts of God or other causes not due to a defect in materials and/or workmanship of lift system..

QAB INC. agrees to provide the necessary parts and service during the warranty periods described above. These warranties shall be deemed void and unenforceable and the equipment shall be deemed sold "AS IS" and "WITH ALL FAULTS", with the entire risk as to quality and performance to be borne by the original purchaser without any implied warranties of fitness and merchantability if any of the following should occur:

If equipment should be installed at any other location other than the original purchaser's address specified in the sales agreement.

NOTE: Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

The provisions contained in these warranties shall constitute the entire Warranties for lift(s) Purchased from QAB INC.

No representative or other person is authorized to change this warranty to assume additional liability to enhance the selling of QAB products.

QAB, Inc Warranty Registration Card

Thank you for purchasing this item from Q.A.B., Inc. Please complete this form and return within 30 days of the delivery of your product.

| | | | |
|---|------------------------------|---------------------------|-----------------------|
| Name Capacity | Model Purchased | | |
| <hr/> | | | |
| Address (If different) | | Lift Installation Address | |
| <hr/> | | | |
| City | State | Zip Code | Product Serial Number |
| <hr/> | | | |
| Purchase Date (Piling, Seawall) | How is your product mounted? | | |
| <hr/> | | | |
| Installation Date own? Which models? | How many QAB products do you | | |
| <hr/> | | | |
| Dealer | | | |
| <hr/> | | | |

OFFICE COPY

QAB, Inc Warranty Registration Card

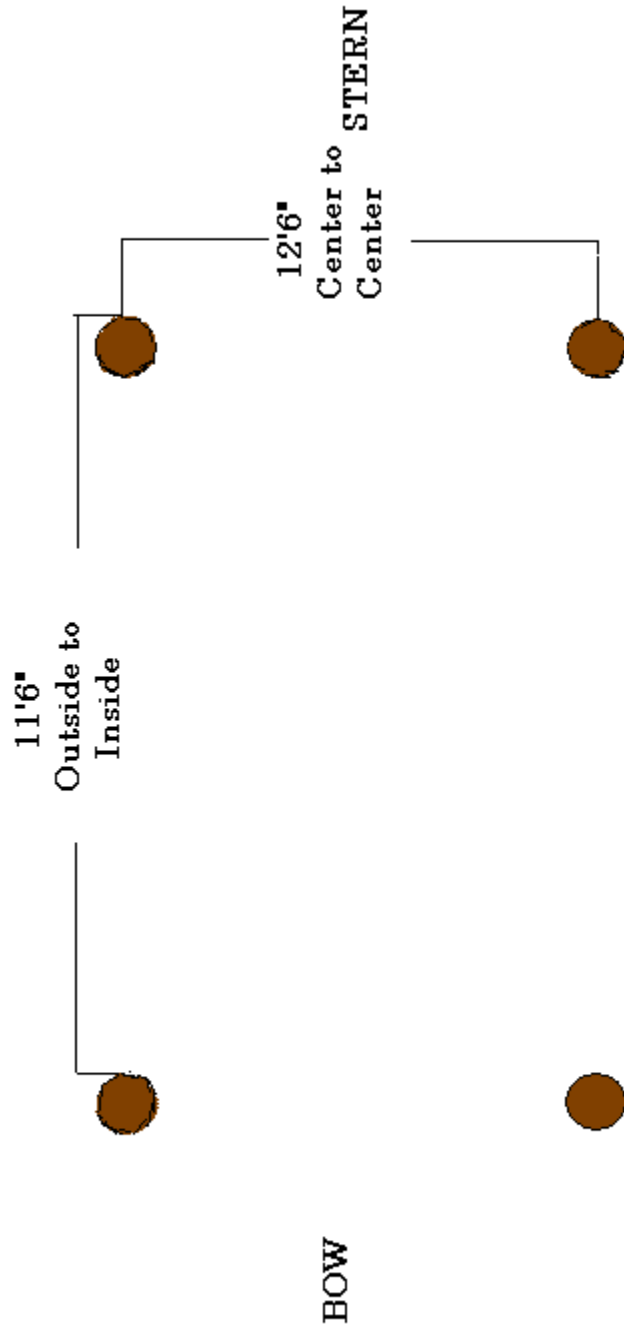
Thank you for purchasing this item from Q.A.B., Inc. Please complete this form and return within 30 days of the delivery of your product.

| | | | |
|---|------------------------------|-------------------------------|-----------------------|
| Name Capacity | Model Purchased | | |
| <hr/> | | | |
| Address different) | | Lift Installation Address (If | |
| <hr/> | | | |
| City | State | Zip Code | Product Serial Number |
| <hr/> | | | |
| Purchase Date (Piling, Seawall) | How is your product mounted? | | |
| <hr/> | | | |
| Installation Date own? Which models? | How many QAB products do you | | |
| <hr/> | | | |
| Dealer | | | |
| <hr/> | | | |

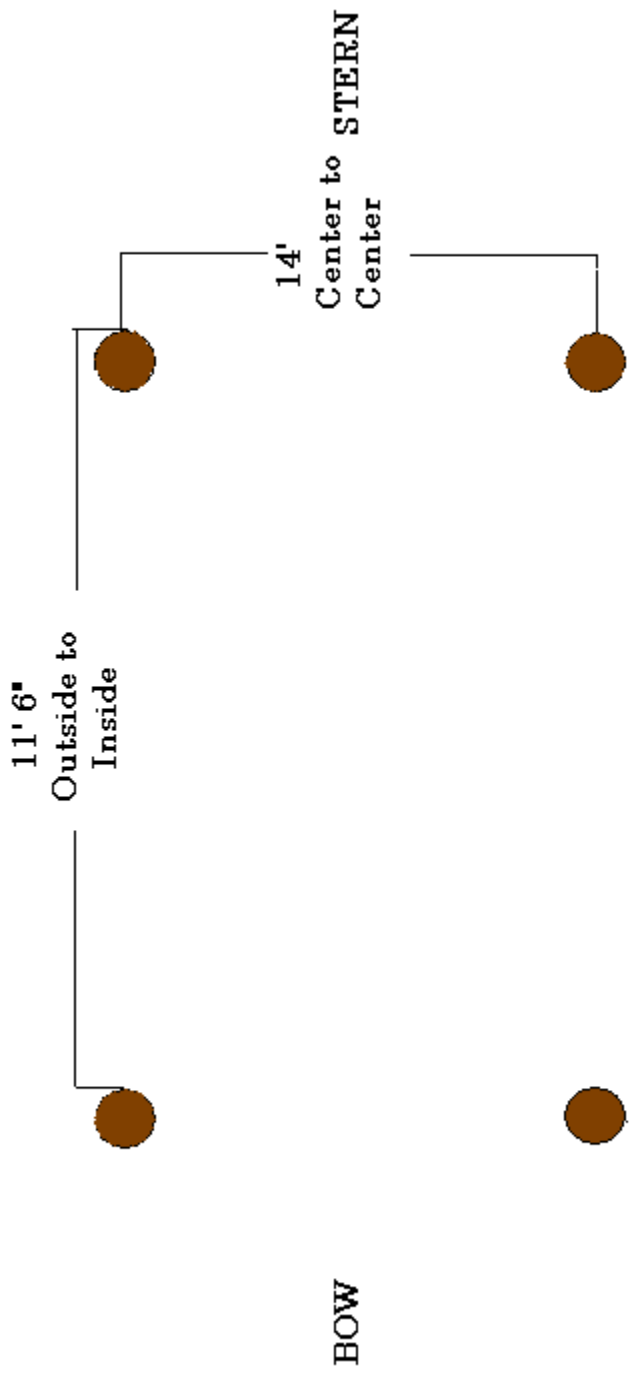
CUSTOMER COPY

**PILING
SETTINGS
FOR QAB,
INC. BOAT
LIFTS**

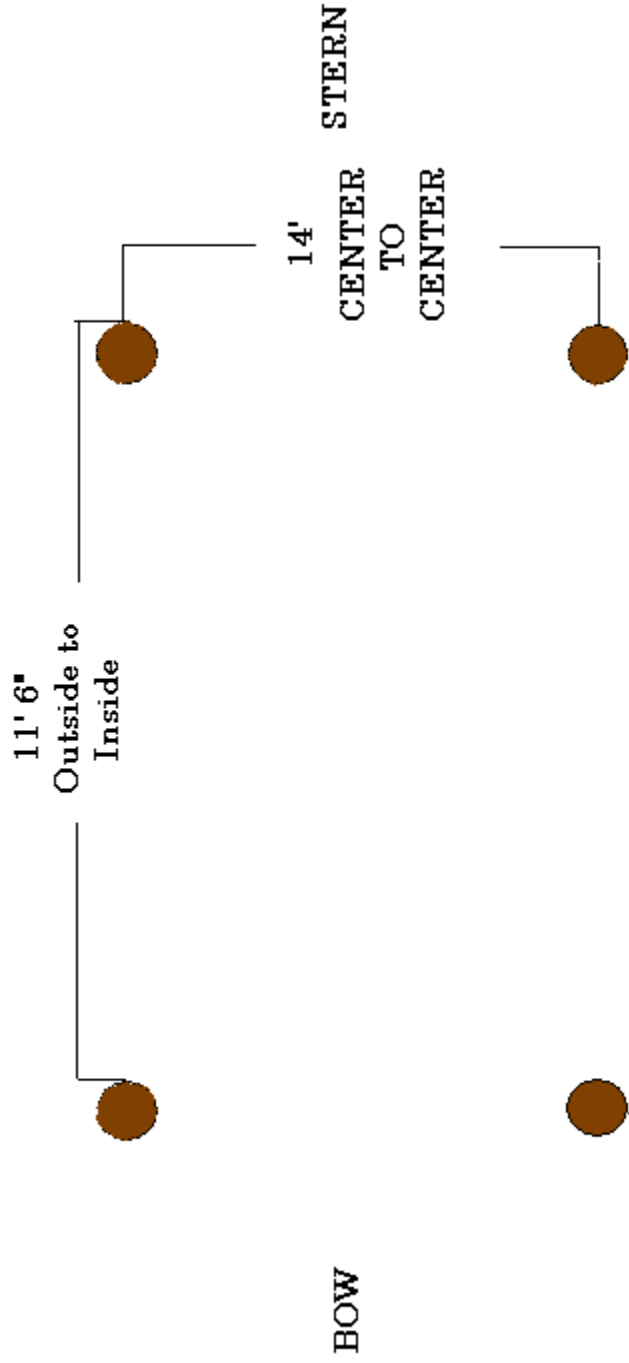
QAB 3K-12K Topmount 4 Piling Boat Lift Piling Settings



QAB 16K Top Mount 4 Piling Boat Lift

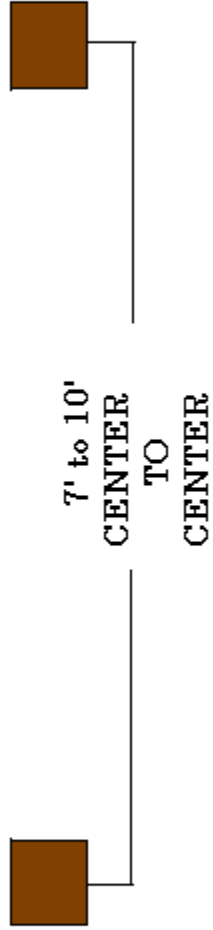


QAB 20K Topmount 4 Piling Boat Lift

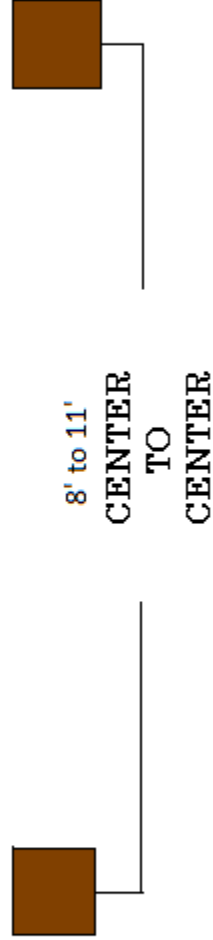


QAB ELEVATOR PILING OR SEAWALL MOUNT SPACING

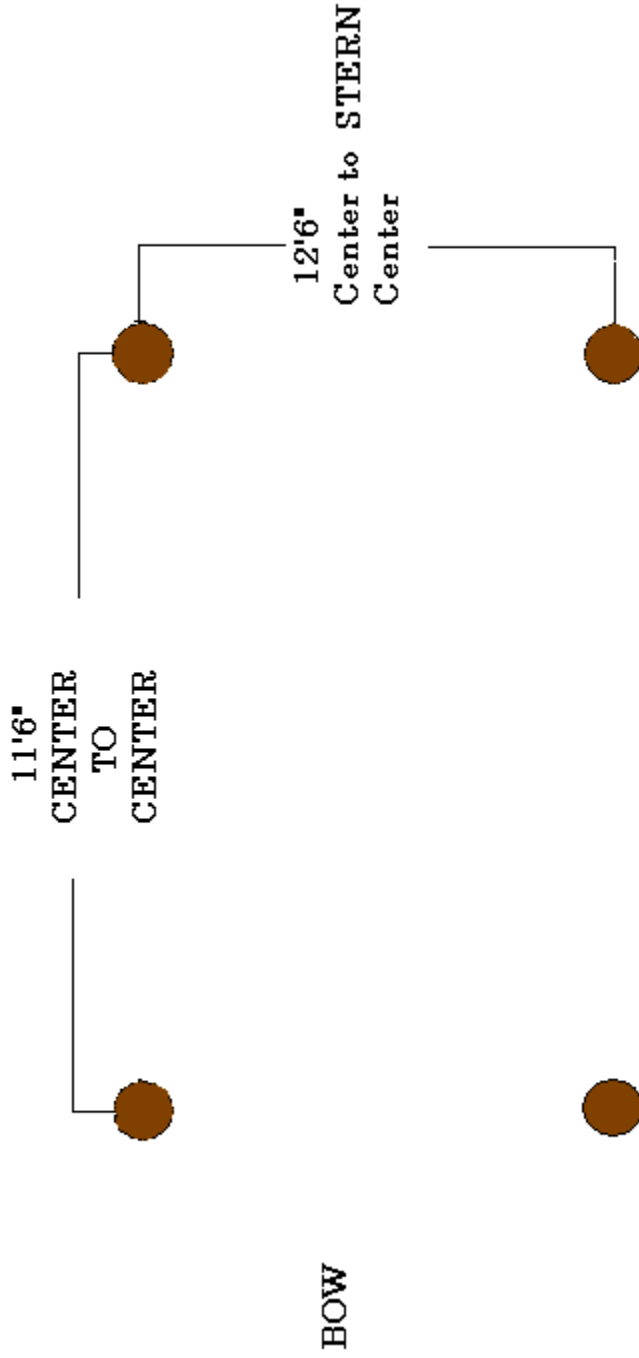
3K TO 10K ELEVATORS



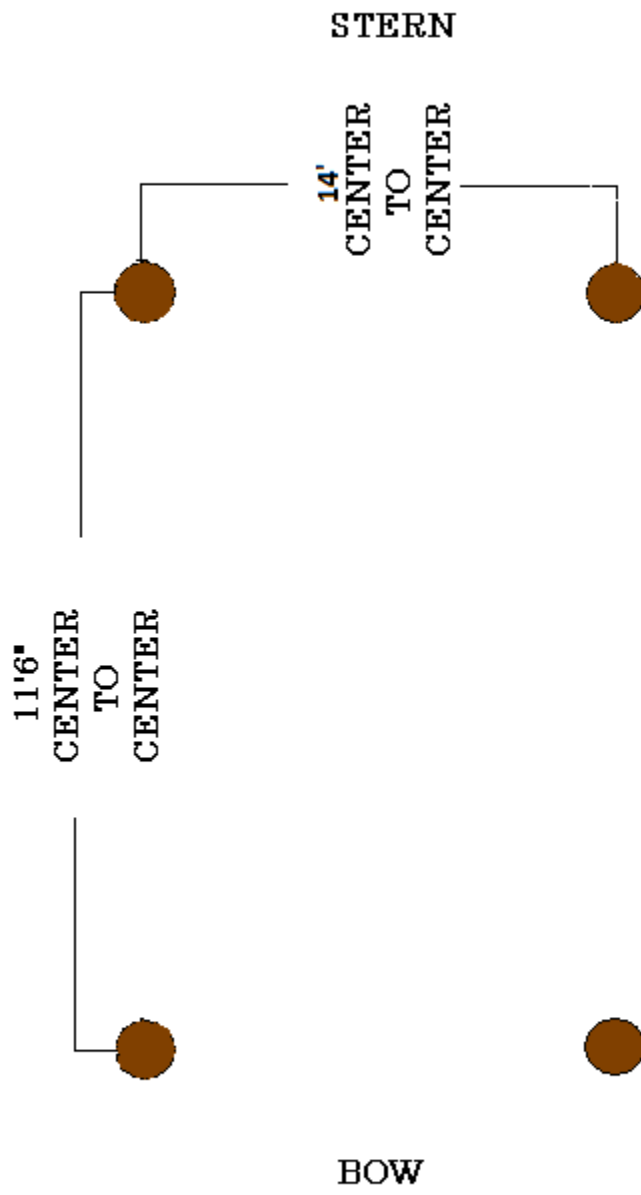
13K TO 16K ELEVATORS



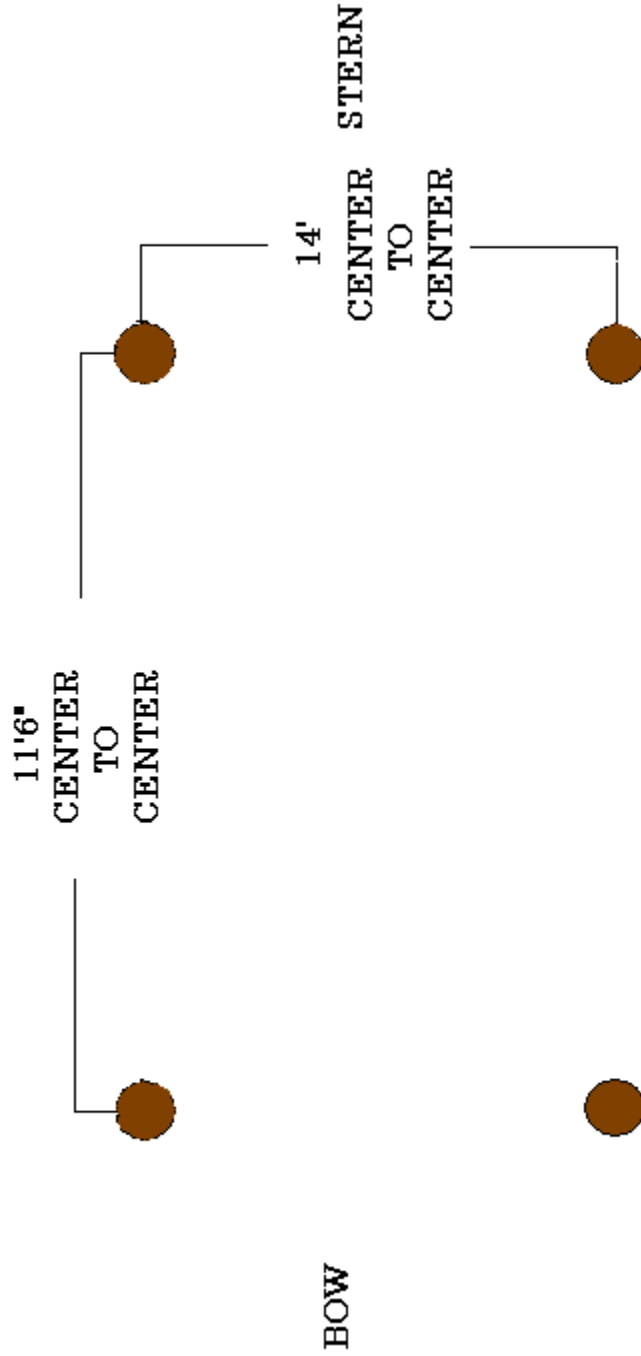
QAB 4K - 12K BEAMLESS BOAT LIFT



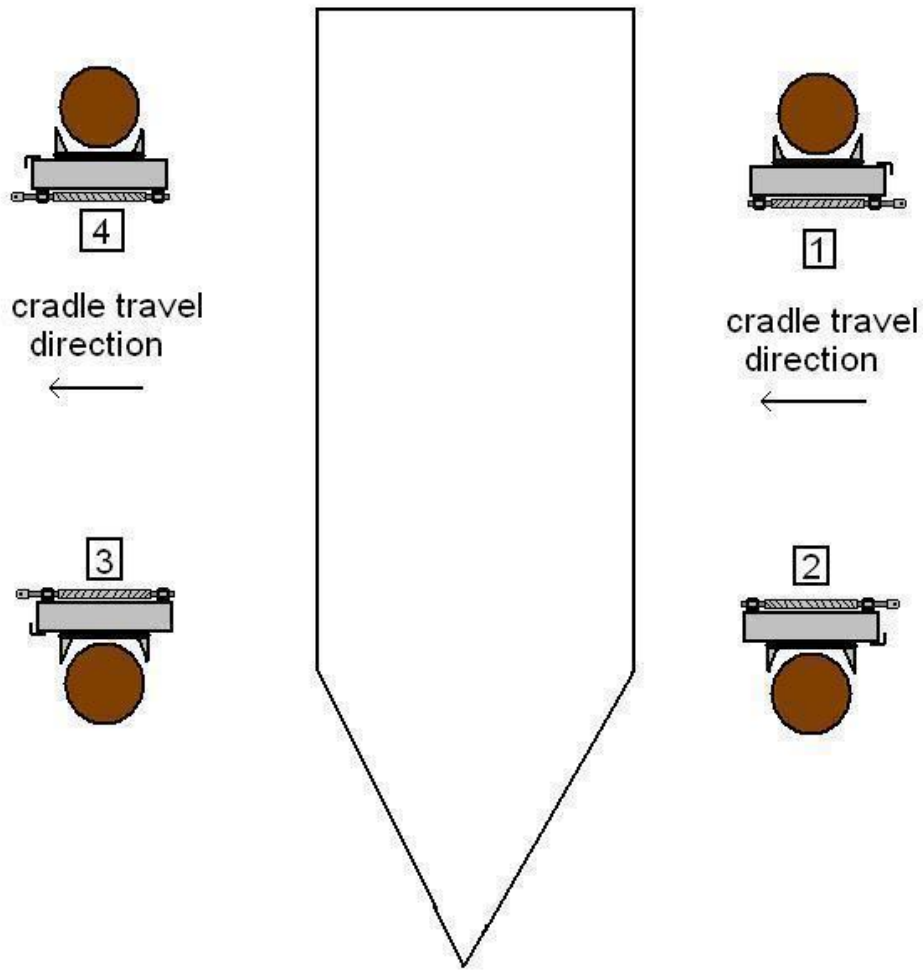
QAB 16K BEAMLESS BOAT LIFT



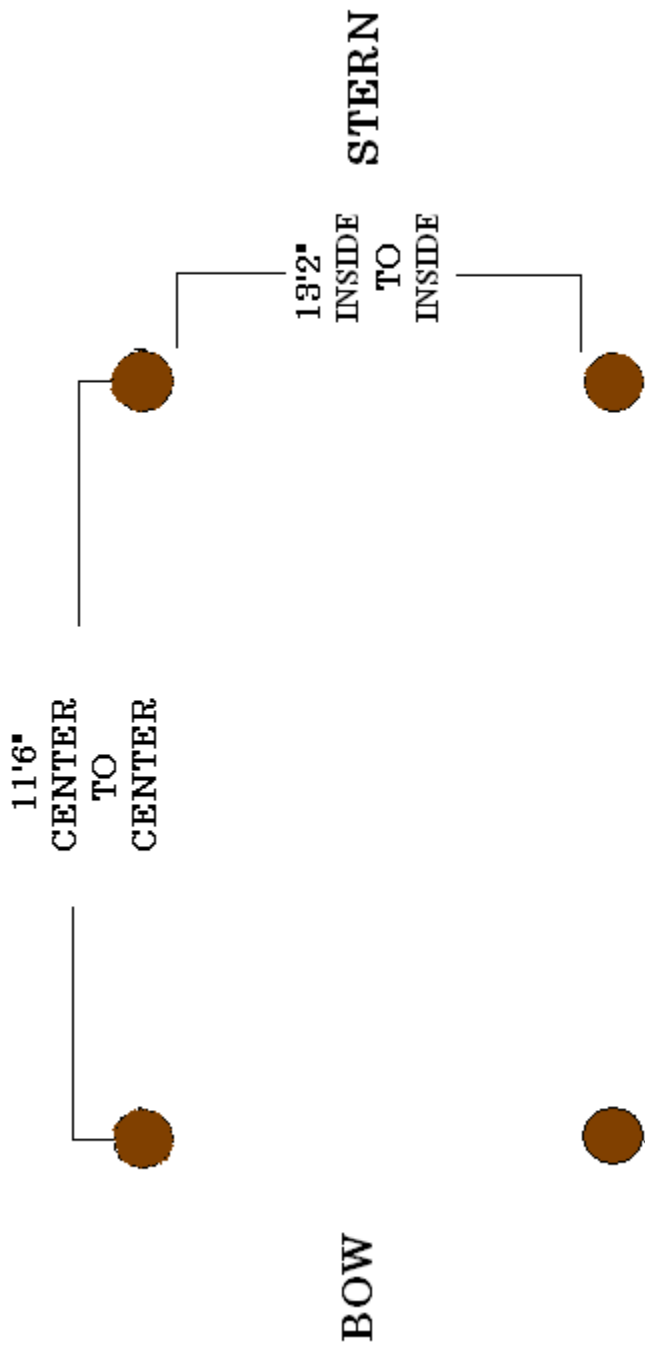
QAB 20K BEAMLESS BOAT LIFT



QAB BEAMLESS PILING LAYOUT FOR 4K-20K BOAT LIFT



QAB 3K - 12K SIDEMOUNT LIFT



QAB 16K SIDEMOUNT LIFT

