

# SHOW PRO INDUSTRIES

P.O. Box 1235 (Hwy. 51 N.), Springtown, TX 76082 / (817)523-4055 / (817)220-5117 fax

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*Show Pro Industries would like to thank you for purchasing a Pro Cutter. Every effort has been taken to provide you with a quality product that is designed to provide years of trouble-free service.*

## **Pro Cutter 1802 with Cow Packing List:**

- electronic control box
- remote control
- antenna
- stuffed cow
- (4) nylatron tubes w/ brass snaps
- kevlar cable (custom lengths available)
- cable tensioner w/ crank
- brochure & installation instructions

# INSTALLATION INSTRUCTIONS

1. Mount electrical enclosure on **left** side of pen. It should be mounted so mounting holes on bottom of enclosure are approximately 56 inches from ground.
2. Mount cable tensioner on **right** side of pen. Begin by installing steel plate. The bottom of plate should be approximately 46 inches from ground. Drop arms into receptacles on plate.
3. The 1<sup>st</sup> piece of kevlar cable has a nylatron tube (with 2 snaps) attached to one end. Start in center of pen halfway between electrical enclosure and cable tensioner. Take end of kevlar cable that is **not** attached to nylatron tube across pen and around idler pulley on cable tensioner. As you continue back across pen toward electrical enclosure, slide one piece of nylatron tube (with 1 snap) on cable. When you reach electrical enclosure, take cable around both drive and idler pulleys. Return to center of pen. Take end of kevlar cable through loop on nylatron tube, take out slack, and knot. Keep in mind that the objective is to form a loop with the cable. The nylatron tube with 2 snaps supports the cow's head and the nylatron tube with one snap supports the cow's front shoulder.
4. The 2<sup>nd</sup> piece of kevlar cable has a nylatron tube (with 1 snap) attached to one end. Install this line exactly like you did the front loop utilizing the back pulley on cable tensioner and back drive and idler pulleys on electrical enclosure. Be sure and slide nylatron tube with 1 snap on 4<sup>th</sup> line. Take out slack. This loop acts as the "brake" and supports the cow's hip.
5. Take remaining slack out of cable utilizing the cable tensioner. Loosen knob on bottom of arm. Using enclosed handle, crank winch arm clockwise until tight. Tighten knob on bottom of arm.
6. Insert whip antenna into receptacle on top of electrical enclosure. Push down and twist clockwise approximately ¼ turn. You should feel antenna lock into position. (To remove antenna, squeeze base of antenna and twist counterclockwise.)
7. Plug Pro Cutter into a grounded 120VAC, 3-prong outlet. Turn power on. Wait approximately 15 minutes before operating. There is a heater

in the enclosure that will bring the internal temperature up to 90 degrees and dry out any condensation that may have formed.

8. Attach cow to cables. The head of cow attaches to brass snaps on front line (front part of loop), the center of cow attaches to brass snap on 2<sup>nd</sup> line (back part of loop), and the hip of cow attaches to brass snaps on 3<sup>rd</sup> and 4<sup>th</sup> lines.
9. Take a minute and experiment with the system. Turn left speed dial on electrical enclosure to “20” and right speed dial to “50”. Put the remote control on your wrist and go at least 100 feet from electrical enclosure. Take cow from end to end, change speed and repeat. If necessary, re-adjust tension on cable and try again. Remember, because it is a training tool, the cow should always come to a complete stop before changing directions.
10. You’re ready to introduce your horse to the Pro Cutter. We suggest you start with slow speeds and take the cow from end to end until you and your horse are comfortable with the system.

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**Thank you for choosing.....**

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## OPERATING INSTRUCTIONS:

**Following is a brief description of the various switches, dials, etc. located on right side of electrical enclosure.**

1. **POWER:** When you're ready to work, turn the Pro Cutter on by flipping the POWER switch "up." A red light will come on. When you're through working, turn Pro Cutter off by flipping POWER switch "down."
2. **MANUAL:** This switch allows an assistant to manually operate the Pro Cutter.
3. **LOGIC:** This switch allows you to determine which direction the cow will travel as you press either switch on remote control.  
*Example:* After you set up Pro cutter, put remote control on your wrist (wrist watch position) with finger plate on index finger. Press left switch with your thumb. If cow travels left, you're ready to go. However, if cow travels right (when you press the left switch), flip **LOGIC** switch. This will cause the cow to travel left when you press left switch – and right as you press right switch.
4. **BRAKE:** This dial determines whether you have a soft, natural stop or a hard, gut wrenching stop. The lower the number, the softer the stop.
5. **SQUARE PEN / ROUND PEN:** This switch should be on **SQUARE PEN** if you are working a cow in straight line. It should also be on **SQUARE PEN** if you are working the Advantage System. The switch should be on **ROUND PEN** if you are taking a flag in a continuous circle.
6. **FUSE:** If there's a power surge, or you accidentally run the cow into either end, there's a good chance you'll blow a fuse. Also, if there's a failure internally with one of the electrical components, you'll blow a fuse. When this happens, unscrew fuse holder, remove blown fuse, replace with new fuse, and screw back in. Use 10 amp/250v, fast blow fuse.

**Following is a brief description of the two speed dials on face of electrical enclosure.**

The left speed dial is 1<sup>st</sup> gear and the right dial is 2<sup>nd</sup> gear. The Pro Cutter always operates in 1<sup>st</sup> gear unless you specifically ask it to shift to 2<sup>nd</sup> gear. You do this by pressing either switch on the remote control and starting the cow. As the cow is traveling let up on switch and *immediately* press down again. The cow will shift to 2<sup>nd</sup> gear. It will continue traveling in 2<sup>nd</sup> gear until you let up on switch. At that point, it automatically resets to 1<sup>st</sup> gear.

*Example:* Set left speed dial (1<sup>st</sup> gear) on “20” and right speed dial (2<sup>nd</sup> gear) on “50.” As you press either switch on remote control, the cow will start in 1<sup>st</sup> gear. It will remain in 1<sup>st</sup> gear as you stop, start, or change direction as long as you allow at least *one second* between each change. If you want to shift to 2<sup>nd</sup> gear (as you’re traveling in 1<sup>st</sup> gear), let up on switch and *immediately* press back down. Try taking the cow to the end in 2<sup>nd</sup> gear, Stop. The Pro Cutter will automatically reset to 1<sup>st</sup> gear. As you come off the end in 1<sup>st</sup> gear, wait for the cow to commit and then shift to 2<sup>nd</sup> gear. You’ll remain in 2<sup>nd</sup> gear as long as you hold the switch down. Let up on switch if you want to stop, or let up and press right back down to decelerate back to 1<sup>st</sup> gear.

Remember, to find 2<sup>nd</sup> gear, you must start in 1<sup>st</sup> gear, let up on remote control switch, and *instantly* press again. If you take too long, it will remain in 1<sup>st</sup> gear.

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## **ADDITIONAL FEATURES:**

- \*Built in ramp speed: Graduated acceleration in 2<sup>nd</sup> gear.
- \*Superior radio system: Better range, less interference.
- \*Large drive system: Heavy-duty commercial components.
- \*Buddy Box compatible: Computerized runs.
- \*Round Pen compatible: Continuous circle in any size pen.

## Important Safeguards:

1. Electrical enclosure should be protected with a non-metal roof or shield. This not only protects the paint finish but also keeps rubber components (gasket, boots, antenna, etc.) from drying out.
2. **Warning:** Electric shock or malfunction could occur if power cord or plug is damaged in any way. Do not work Pro Cutter in rain – or allow cord or plug to lie in water
3. Always use properly grounded 110VAC electrical outlet.
4. Do not operate Pro Cutter if electrical enclosure or any of its components are damaged in any way, or after malfunction.
5. Use Pro Cutter only as intended and described in literature.
6. Always unplug Pro Cutter when through working each day.

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## TROUBLESHOOTING:

### Problem:

### Solution:

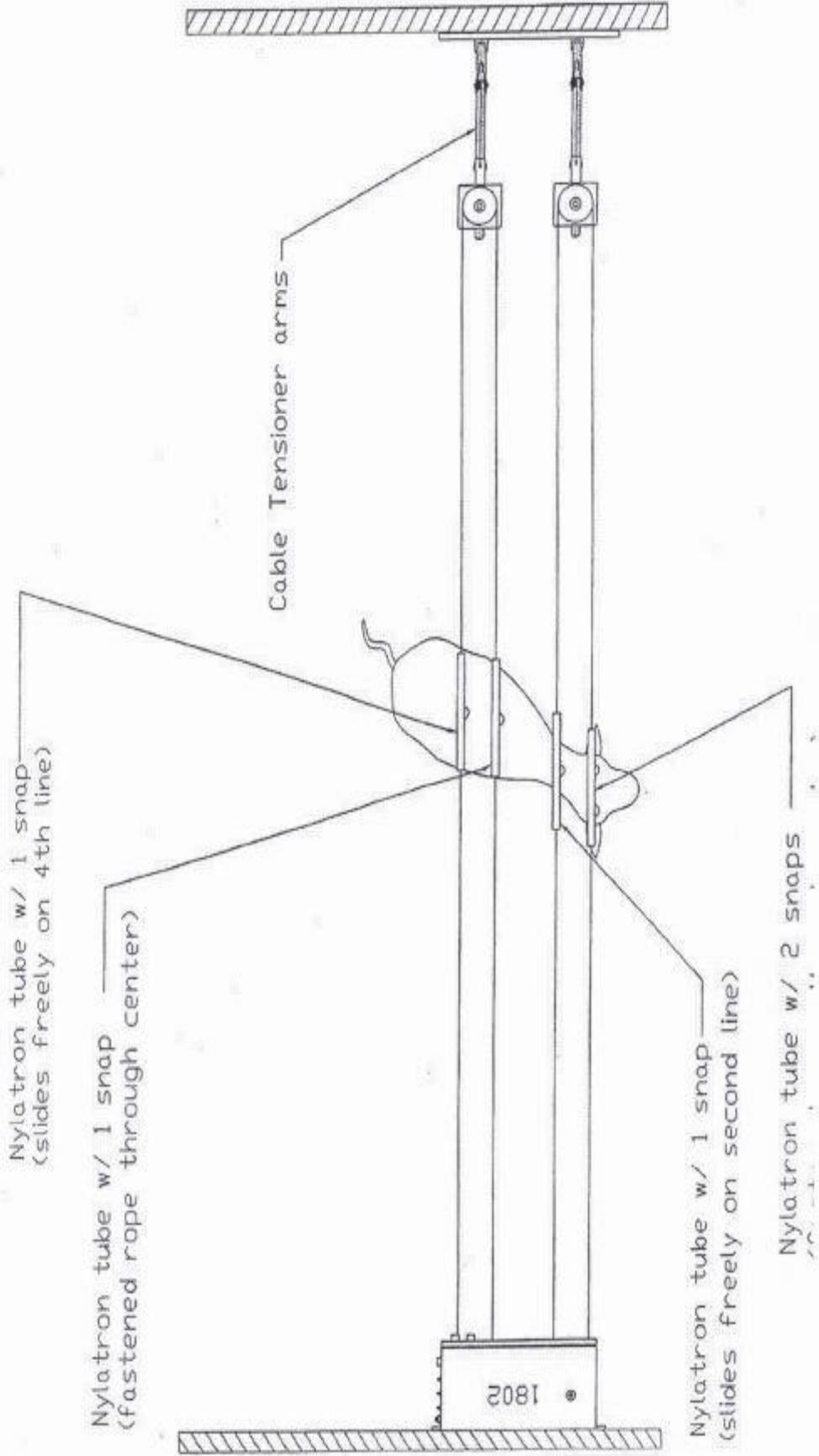
- |  |   |
|--|---|
| 1. Pro Cutter will not operate using remote control or manual switch.                    | make sure there is power to machine. Check fuse.          |
| 2. Pro Cutter will operate using manual switch but not remote control.                   | check battery in remote control.                          |
| 3. There's a "clicking" noise but Pro Cutter won't run. Power light does not illuminate. | fuse is blown.<br>Replace fuse (4 amp, 250 v. fast blow). |

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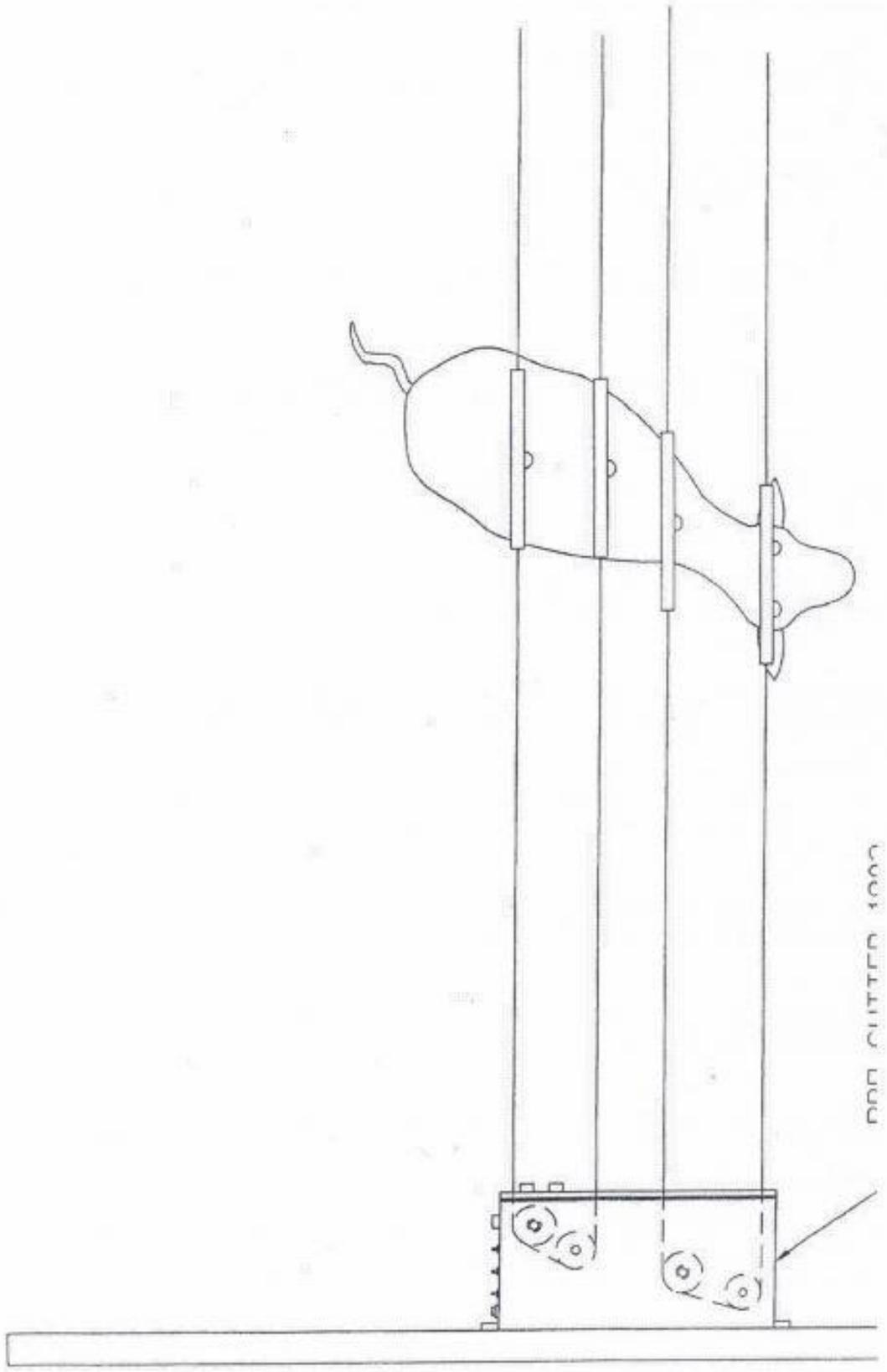
**NOTE:** The remote control, worn on the rider's wrist, has a 9-volt battery in the plastic case inside the pouch. The battery must be changed on a regular basis. The first sign that a battery is failing is when the cow (or flag) starts hesitating or "missing" going one direction. The natural tendency is to press harder on the switch, twist the cable leading to the switches, or tap the remote control on the saddle horn. Any of these procedures may work on a temporary basis, but will ultimately damage the remote control. Once damage has occurred, changing the battery will do no good.

**NOTE:** The antenna, or rubber antenna cap, must be securely fastened to receptacle on top of control box at all times. If the antenna or antenna cap is removed or damaged, water can enter the enclosure and cause extensive damage to the electrical components. Anytime the antenna is not in place, cover the receptacle, or hole, with tape.

# OVERHEAD VIEW - MODEL 1802

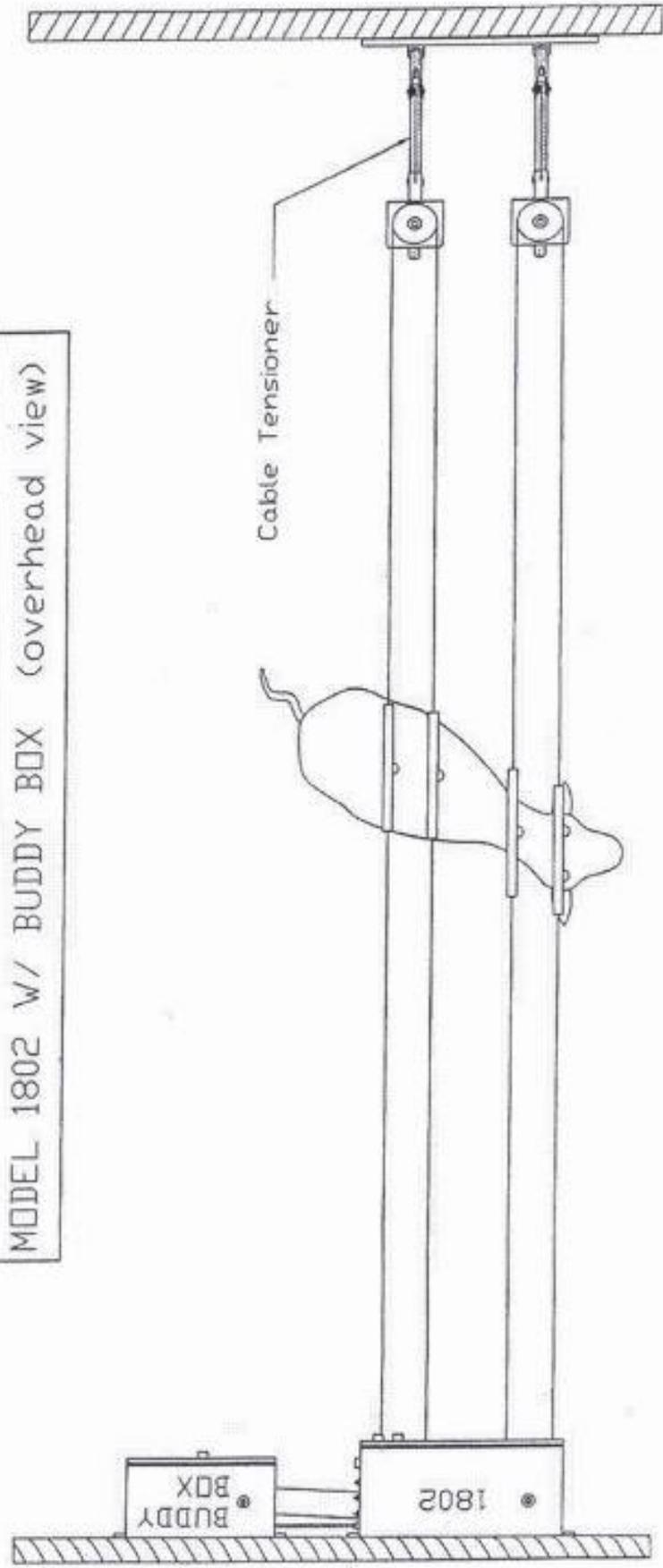


OVERHEAD VIEW - MODEL 1802

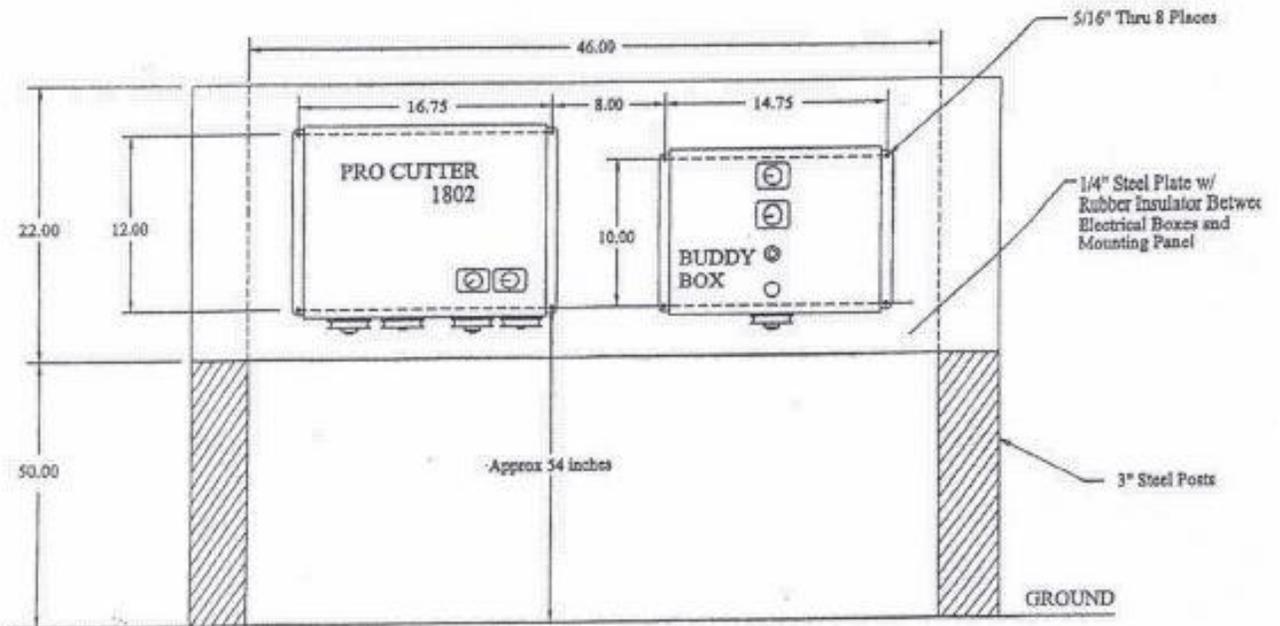


FOR CUTTER 1000

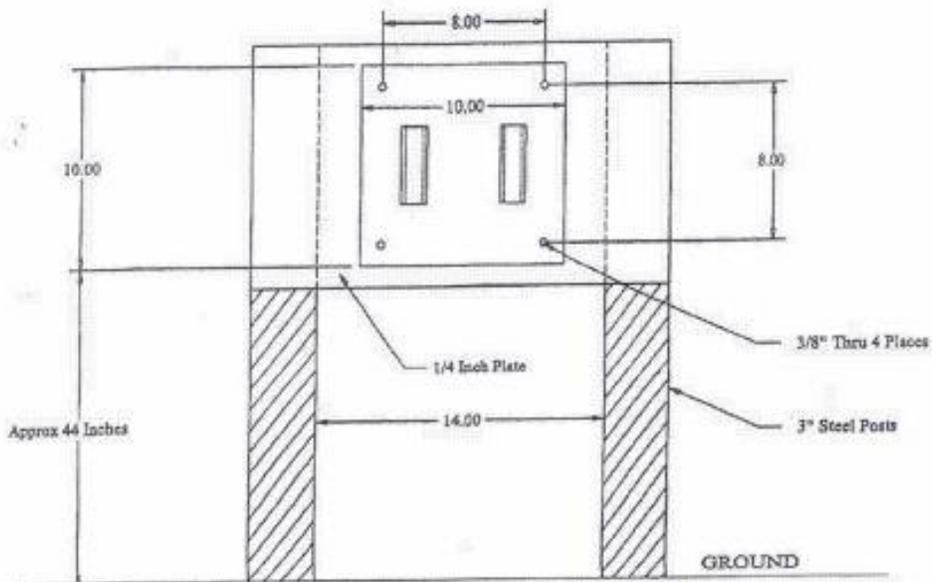
MODEL 1802 W/ BUDDY BOX (overhead view)



### HOLE LOCATION FOR MOUNTING 1802 W/ BUDDY BOX



### HOLE LOCATION FOR CABLE TENSIONER



# LIMITED WARRANTY

The following warranty is in lieu of all other warranties, expressed, implied or statutory, including but not limited to any implied warranty of merchantability or fitness for a particular purpose.

**All new products sold by Show Pro Industries are warranted against defects in material and workmanship for two (2) years from the date of original purchase. During the warranty period, Show Pro Industries will repair, or at its option replace without charge, any SPI product (excluding normal wear items), providing it is returned to the factory, shipping prepaid, and is proven to be defective during the subsequent factory inspection. The warranty period for products repaired after expiration of new product warranty, as stated above, is limited to the repair portion and is valid for 90 days from date of reshipment to customer. All warranties, expressed or implied, are void if product is damaged by accident, misuse or modification in the absence of written authority from Show Pro Industries.**

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