

# Reeves



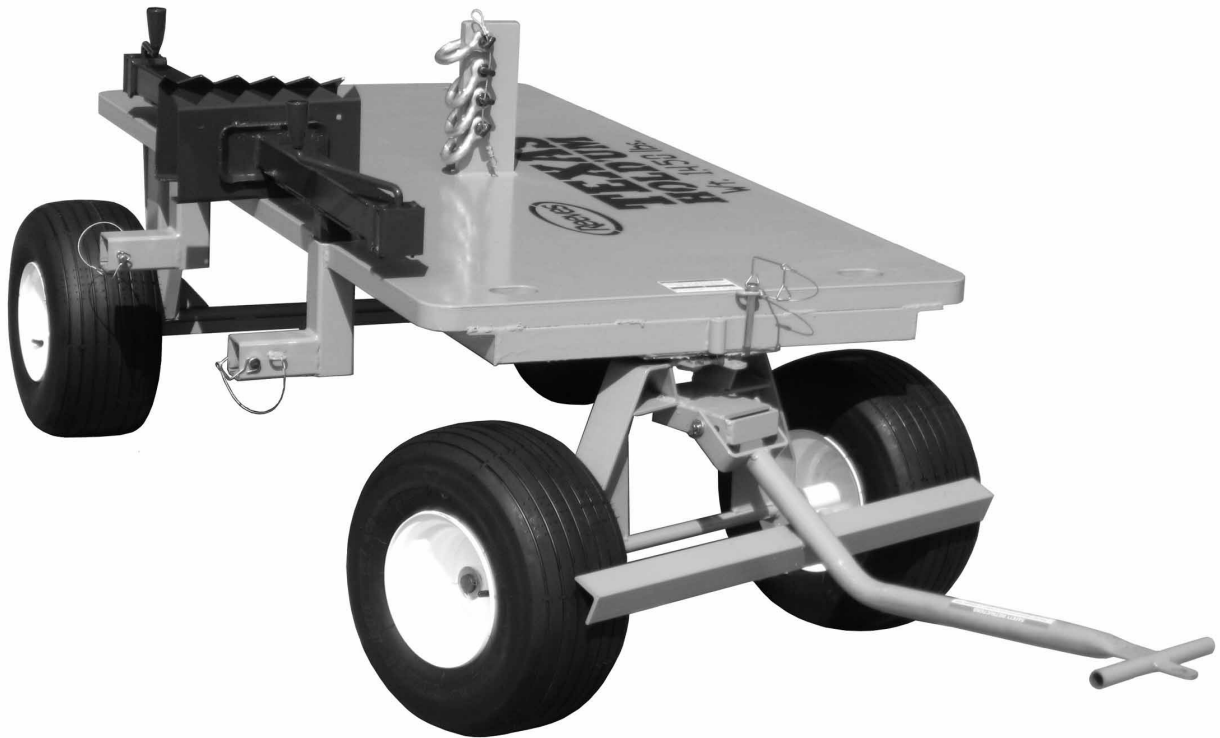
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## Reeves Texas Hold'um Fall Protection Trailer

OPERATION AND SAFETY INSTRUCTIONS

08/2010

# REEVES ROOFING EQUIPMENT CO., INC.

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## **READ THE INSTRUCTIONS**

You have purchased a quality piece of roofing equipment that has been designed for knowledgeable professionals in the roofing industry. All persons using this unit must have full knowledge of safety procedures. If you are not familiar with the hazards associated with roofing, do not attempt to use this product. If you are a knowledgeable roofing professional, continue by reading all these Safety & Operation Instructions. Reeves has developed these Operating Instructions to ensure you will enjoy years of safe and trouble-free operation. It is full of valuable information on how to use and maintain your equipment properly and safely. After reading all of this information completely and understanding it entirely, continue with the set up. If you have any doubts about understanding any portion, STOP, Do Not Continue. Call Reeves for further information. Safety should be your number one consideration! Knowing the rules means "SAFETY IS NO ACCIDENT."

## **ATENCION**

Las instrucciones y etiquetas proporcionadas con esta maquina, escritas en ingles, se deben leer y entender completamente antes de usar por primera vez. Si no lee entende ingles, debe pedir que alguien le lee en espanol para que puede entender completamente los requerimientos de seguridad y operacion antes de que se utilice esta maquina.

## **WARRANTY**

Reeves Roofing Equipment Co., Inc. "Reeves" warrants that all goods will be free from defects in material and workmanship for a period of 90 days. Should any failure appear within 90 days from the delivery date to the user, "Reeves", shall upon notification that the goods have been stored, installed, maintained and operated in accordance with the manufacturer's recommendations, correct such defect by suitable repair or replacement. The warranties stated above are the sole warranties applicable to "Reeves" products.

"Reeves" shall not in any event be liable for any consequential damages, secondary charges, expenses for installing or disconnecting, or loss of time resulting from any alleged defect in the product.

Each "Reeves" product is designed for a specific use and purpose. Use this equipment only as intended and described in these safety and operating instructions, otherwise the warranty is void. Unauthorized changes or modifications will void the manufacturer's warranty. Changes or modification may result in the creation of a new danger and/or the elimination of a feature which had some safety value.

"Reeves" may make changes and improvements at any time to its products, and "Reeves" shall be under no obligation to incorporate the same in or substitute the same for any products previously sold.

This is the only warranty on any "REEVES" equipment written in these instructions. No other writing or description in this instruction shall be construed as a warranty.



# REEVES ROOFING EQUIPMENT CO., INC.

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**NOTE: The Reeves Texas Hold'um Trailer will be referred to as the Trailer.**

### **TRAINING (1926.502 Subpart M Appendix C)**

II. d) "Employee training considerations." Thorough employee training in the selection and use of personal fall arrest systems is imperative. Employees must be trained in the safe use of the system. This should include the following: application limits; proper anchoring and tie-off techniques; estimation of free fall distance, including determination of deceleration distance, and total fall distance to prevent striking a lower level; methods of use; and inspection and storage of the system. Careless or improper use of the equipment can result in serious injury or death. Employers and employees should become familiar with the material in this Appendix, as well as manufacturer's recommendations, before a system is used. Of uppermost importance is the reduction in strength caused by certain tie-offs (such as using knots, tying around sharp edges, etc.) and maximum permitted free fall distance. Also, to be stressed are the importance of inspections prior to use, the limitations of the equipment, and unique conditions at the worksite which may be important in determining the type of system to use.

### **PERSONAL FALL ARREST SYSTEM - 1926.500 (b)**

Personal Fall Arrest System means a system used to arrest an employee in a fall from a working level.

### **FALL RESTRAINT SYSTEM - 1926.751 OSHA Definition**

Fall Restraint System means a fall protection system that prevents the user from falling any distance.

# IMPORTANT SAFETY & OPERATING INSTRUCTIONS



## SAFETY PRECAUTIONS



**DANGER:** Use only on flat, level, dry (not wet, oily, slippery or icy) roofs.

1. Read and follow 1926.502 (d) completely before using the Trailer. Make sure all tie-off equipment used with the Trailer meets this OSHA standard.
2. Never use the Trailer if it is damaged in any way. Look over the equipment to make sure the pins (3 each-Fig. 4 & 7-A) and jacks (2 each-Fig. 7) are attached and in good working order. Look for bent components, cracks, broken welds and other damages on all parts of the Trailer and jacks. A qualified mechanic should repair or replace damaged components. As repairs are needed, use only original Reeves parts.
3. Do not modify the Trailer or use a modified Trailer.
4. In case of a fall, the employer must provide a prompt rescue (read 1926.502 (d) (20)).
5. The Trailer is designed for flat, dry roofs only.
6. When using on a metal deck, the metal must be 22 ga. or heavier
7. Do not use the Texas Hold'um Trailer on a roof with a 30" or higher parapet wall.
8. Keep away from electrical lines and extension cords.
9. Do not use this equipment if you are under the influence of alcohol or drugs that could impair judgement and/or ability.
10. Keep the area around the equipment and workers clear of debris.
11. The owner or operator must ensure that all warning decals are in place and legible. Make sure all installation, operation and safety instructions are read and understood by all employees. If any are missing, call or email to Reeves Roofing Equipment Co., Inc. for replacement decals and instructions before using the equipment.

## WEIGHTS AND CAPACITY

1. The Trailer is designed as a Fall Protection Trailer for the following:
  - a. As part of a **Fall Arrest System** for two workers and a **Fall Restraint System** for two workers.
  - b. As part of a **Fall Arrest System** for one worker and a **Fall Restraint System** for three workers.
  - c. As part of a **Fall Restraint System** for four workers.

**NOTE:** Each person having a combined person and tool weight of less than 310 pounds. See page 4 to compare "Fall Arrest System and Fall Restraint System".

2. Each tie-off ring is rated at 5,000 lbs. capacity. Use one tie-off device per ring. Do not attach to lifting eyes. Make sure the tie-off equipment meets OSHA requirements 1926.502 (d).
3. The Trailer weighs 1450 lbs.

**NOTE:** Allow for employee's weight and tools when calculating total weights for roof capacity. When using on a metal deck, the metal must be 22 ga. or heavier.

## PREPARE THE ROOF



**DANGER:** Use only on flat, level dry roofs.

1. Set up fall protection on the roof that meets OSHA standards. (OSHA 1926.501 & 1926.502)
2. Make certain that all roof openings are protected according to OSHA requirements. (OSHA 1926.501 and 1926.502)
3. Check for roof deterioration before allowing equipment and personnel access to roof. Make certain the roof is strong enough to support the weight of all equipment, employees and tools. (See Weights and Capacity Above)
4. Do not use the Texas Hold'um Trailer on a roof with a 30" or higher parapet wall.
5. Clear the work area of all potentially dangerous obstacles.

# IMPORTANT SAFETY & OPERATING INSTRUCTIONS



## PREPARING THE HOIST or CRANE



**CAUTION:** Below are just a few instructions of proper hoist/crane use. Read the operating instructions that came with your hoist/crane for detailed instructions.

1. Make sure your hoist/crane is in safe operating condition and operated by trained personnel.
2. Inspect the hoist/crane daily for bent members, or faulty mechanical parts. Check cable for frays, bends or damage and repair or replace as necessary.
3. Know the lifting capacity of the hoist/crane. The hoist/crane should be secure and maintain an adequate counterweight. Do not use people as the counterweight. See "Weights and Capacity" listed above.
4. Watch out for power lines.
5. Make sure people are clear of the area before lifting and do not lift over people.
6. Never ride on a hoist/crane or conveyor.
7. Know the standard hoisting signals and use them.
8. Secure all lines properly for the night.
9. Hoisting area should be clean, dry and clear of obstacles above and below.

## PERSONAL PROTECTIVE EQUIPMENT

1. Wear a hard hat with safety glasses or goggles.
2. Wear a long-sleeved cotton shirt, buttoned at the cuff and within one button of the collar.
3. Wear long cotton pants without cuffs.
4. Wear over the ankle boots with thick rubber or composite soles that fit snugly under the pants.
5. Wear thick cotton or leather gloves that fit snug at the cuffs and extend under shirt sleeves.
6. Do not wear jewelry or earphones.

## ASSEMBLING THE TRAILER

1. When received, the tires and handles might be removed for shipping purposes. The hardware for installation should be in a plastic bag attached to the center post.
2. Put tire on axle and use the stainless steel cotter pin and 1" washer provided to secure.
3. Install handle if necessary.

## SETTING UP AND USING THE TEXAS HOLD'UM TRAILER



**DANGER:** Use only on flat, level dry roofs.



**WARNING:** Before installing, you must follow all OSHA requirements for safety according to OSHA 1926.502 (d) regarding Personal Fall Arrest Systems.

The following applications are approved for use with the Trailer.

Metal Deck 22 ga. or heavier (See Warning #6 below)

Metal Deck 22 ga. or heavier w/Insulation attached

Metal Deck 22 ga. or heavier w/Insulation and Dens-Deck attached

Metal Deck 22 ga. or heavier w/Insulation and built-up gravel system (See Warning #2 below)

Metal Deck 22 ga. or heavier w/Insulation and TPO system

Metal Deck 22 ga. or heavier w/Insulation and Modified System

Metal Deck 22 ga. or heavier w/Insulation, EPDM and ballast rock (See Warning #3 below)

Concrete Deck (See Warning #4 below)

Wood Deck (See Warning #5 below)



**WARNING #1:** If you are using loose plywood or visqueen to protect the roof membrane, keep the tires on the plywood or visqueen, but have the jacks directly on the membrane.



**WARNING #2:** When using on a built-up gravel system, sweep loose gravel away from under the jack's feet plus twenty four inches in front of the feet. (Refer to fig. 1)






**WARNING #3:** When using on a ballast system, sweep all rock away from under the Trailer, tires, the jack's feet plus twelve inches in front of the jacks. (Refer to fig. 2) (Continue next page)

# IMPORTANT SAFETY & OPERATING INSTRUCTIONS



## SETTING UP AND USING THE TEXAS HOLD'UM TRAILER (Continued)

-  **WARNING #4:** When using on a concrete deck, drill holes and install a 3/8x2-1/2" wedge anchor into both holes in the foot of each jack.
-  **WARNING #5:** When using on a wood deck, put at least a 3/8x2-1/2" lag bolt into both holes in the foot of each jack.
-  **WARNING #6:** When using on a metal deck where the flutes are running perpendicular to the leading roof's edge, install at least a 5/16x2-1/2" self tapping sheet metal screw in both holes in the foot of each jack.

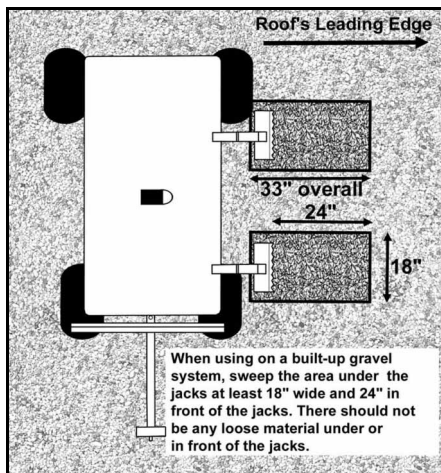


Fig. 1

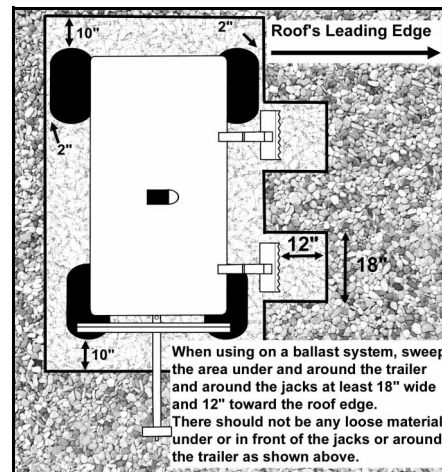





Fig. 2

-  **WARNING:** Before setting up to work on a corner, you must read the next section.
-  **WARNING:** Do not use the Trailer on a roof with a 30" or higher parapet wall.
-  **WARNING:** Workers must always unhook from the Trailer before it is moved.

1. Before hoisting the Trailer to the roof, make sure the handle is not in the locked position (Fig. 3-A and Fig. 4) and jacks are in jack holders on top of the Trailer. (Fig. 3-C)
2. Hoist the empty Trailer using the four lifting eyes provided (Fig. 3-B).
3. Position the Trailer no less than fifteen feet from the leading roof's edge with the jack side of the Trailer facing and parallel to the leading roof's edge.
4. With handle straight forward, insert pin and lock (Fig. 5). Make sure Trailer handle is lowered against the front tires.
5. Remove jacks from top of Trailer and place in the lower jack socket. Insert pins and lock into place. (Fig. 6 and 7)
6. Lower both jacks just to the point that there is firm pressure on each jack. Make sure they have an equal amount of pressure. The jacks teeth should not penetrate the membrane unless there is a fall.  
**NOTE:** Do not go to the next step until the above steps are complete.
7. Hook tie-off device to a ring on the post in the middle of the Trailer (Fig. 8).  
**NOTE:** Use one tie-off device per ring. Do not attach to lifting eyes. Make sure the tie-off equipment meets OSHA requirements under 1926.502 (d).
8. When using a **Fall Arrest System**, the tie-off device must be only two feet longer than the distance from the tie-off post to the leading roof's edge. (Refer to Fig. 9)
9. When using as a **Fall Restraint System**, the tie-off device must be at least six inches shorter than the distance from the tie-off post to the leading roof's edge. (Refer to Fig. 9)
10. When you are ready to move the Trailer (all workers must have unhooked their devices from the Trailer), lift jacks so they are above the deck. Lift the handle of the Trailer (unlocking pin if necessary) and move to desired area. Make sure the Trailer is still parallel to and at least fifteen away feet from the leading roof edge.
11. Lock and lower the Trailer handle.
12. Follow steps 6 through 9 above and continue working.

# IMPORTANT SAFETY & OPERATING INSTRUCTIONS



## SETTING UP FOR WORK ON A CORNER



**DANGER:** When working on a corner, do not work at the front or rear of the Trailer. If a worker falls off the roof at this angle, it could cause the Trailer to move laterally which can cause serious injury or death.



**WARNING:** As the work is getting near the corner of a roof, you must do the following:

- Put up guard rails before setting the Trailer in place for the corner work.
- Place the jack side of the Trailer at a 45 degree angle approximately ten feet from the corner. (Refer to fig. 10) Once the Trailer is in place, remove the guard rails.
- With this set-up you should be able to work the corner plus approximately eight feet each direction. (Refer to Fig. 10)

## IN CASE OF FALL - 1926.502 (d) (20)

- The employer shall provide for prompt rescue of employees in the event of a fall or shall assure that employees are able to rescue themselves.

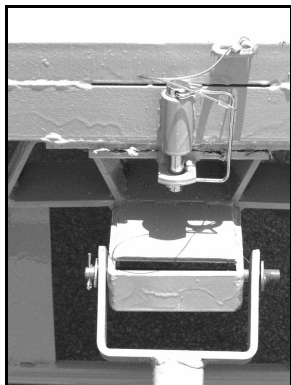


Fig. 5



Fig. 6

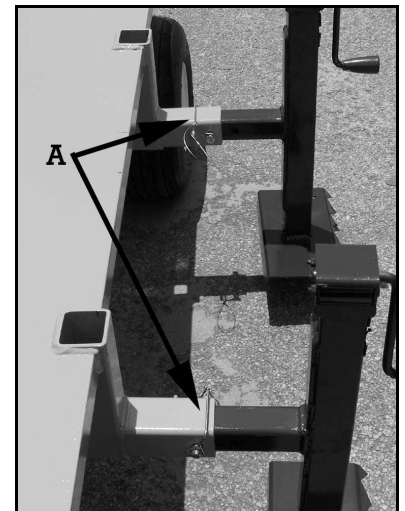


Fig. 7

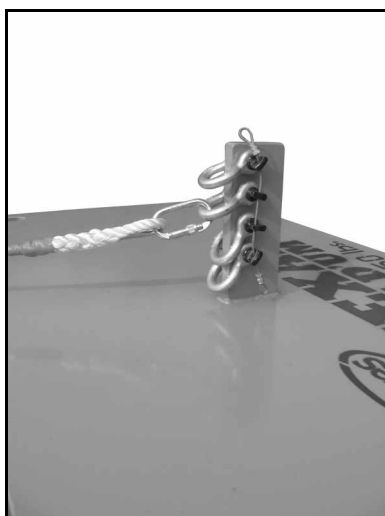


Fig. 8

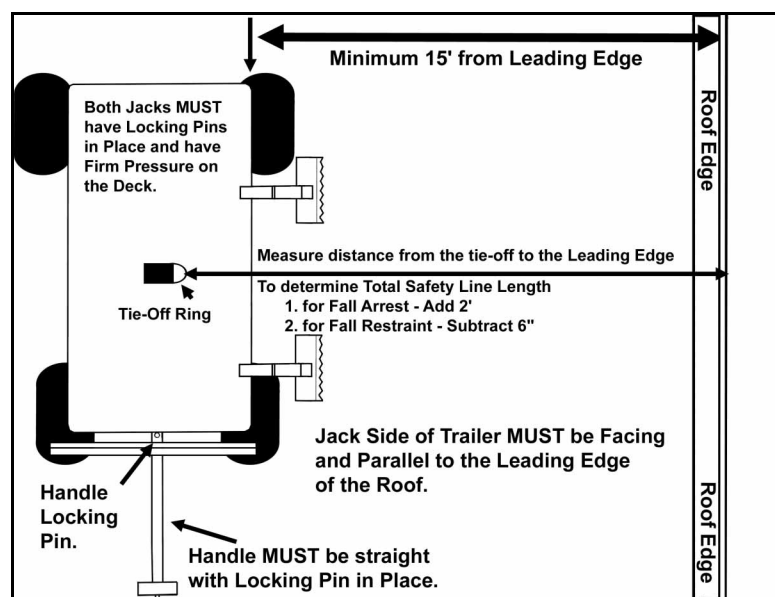


Fig. 9

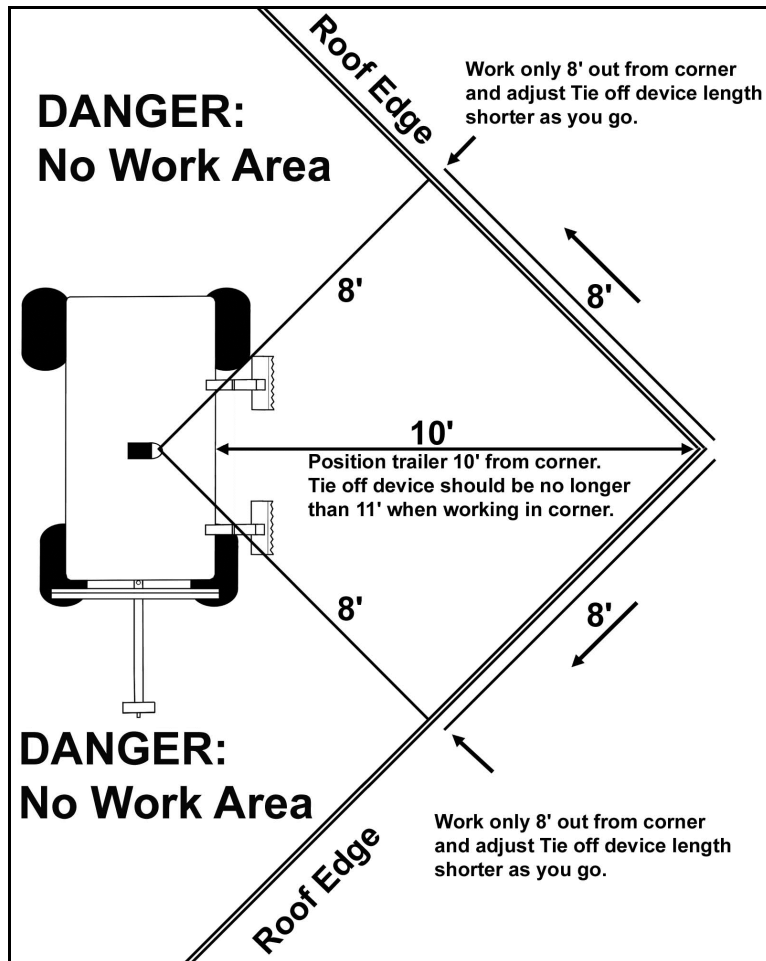


Fig. 10

<b>⚠ WARNING</b>	
<p>Read and follow all Operating Instructions. Make sure the roof is strong enough to support the weight of all equipment, employees and tools. The trailer weighs 1450 lbs.</p>	
<b>⚠ DANGER</b>	<b>⚠ DANGER</b>
<p>Do not work at the front or rear of the trailer.</p>	<p>Must be used on flat dry roofs only.</p>
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