

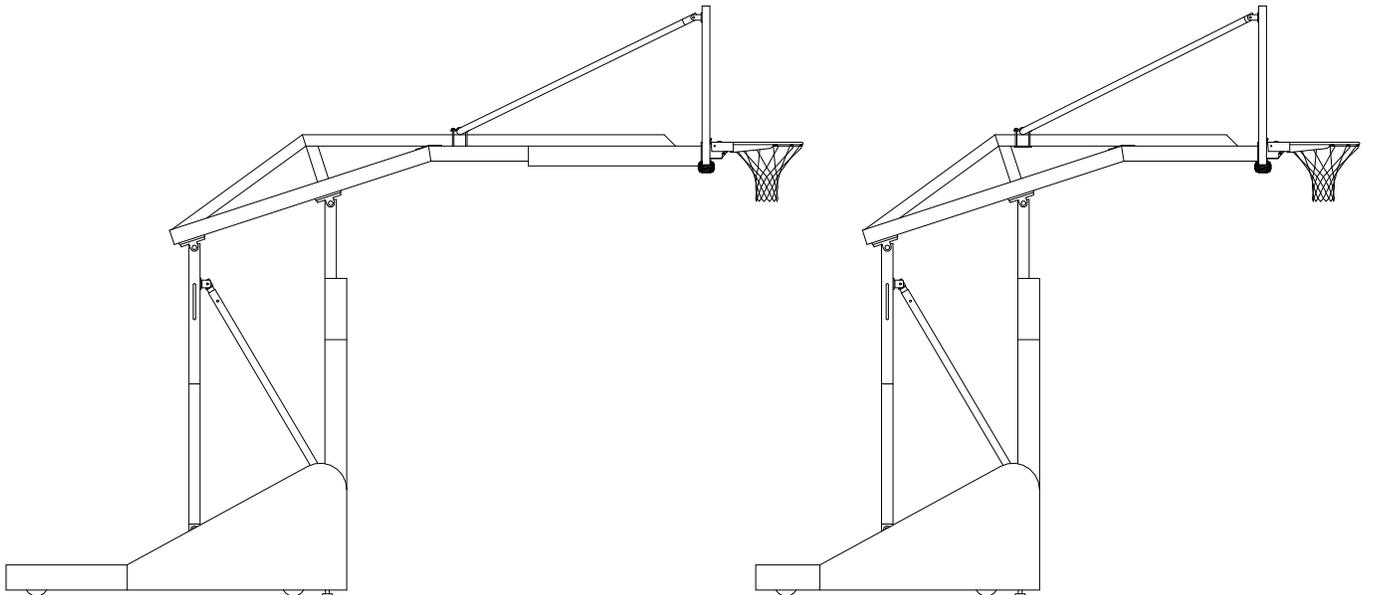
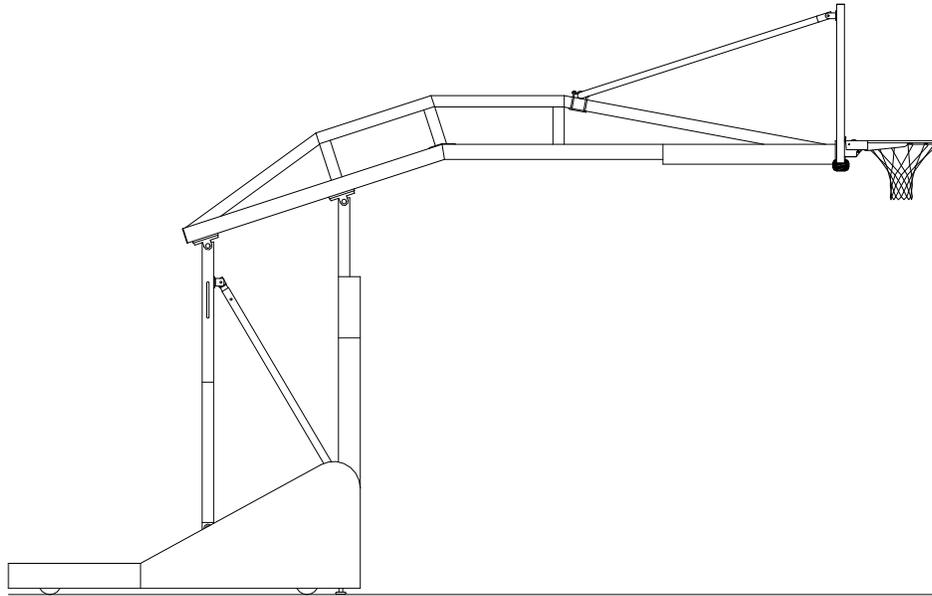
# porter®

*It's What the Pros Play On!®*

## ASSEMBLY, ADJUSTMENT, OPERATION & MAINTENANCE MANUAL

### *PORTABLE BASKETBALL BACKSTOP*

*No. 1535*



#### INSTALLER NOTE:

Upon completion of the installation/assembly of this portable backstop, make sure this instruction manual is in the possession of the owner or facility manager, to save for future reference.



Dear Customer:

Congratulations on purchasing the Porter No. 1535 Competition Portable Basketball Backstop. This quality built backstop features the unique Porter Center-Strut<sup>®</sup> design for maximum player and equipment safety, while providing many features for the ultimate in competition play. Your athletes and spectators should enjoy thousands of hours of practice and competition on Porter equipment.

This booklet is intended to be used for the initial set-up of your No. 1535 backstop, and as a guide for the safe use and maintenance of the unit. **PLEASE READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE BEGINNING THE SET-UP WORK, OR MAINTENANCE, OF THIS UNIT.**

If after reviewing this manual you have any questions, please feel free to consult our factory.

**THE OWNER OF THIS EQUIPMENT MUST SAVE THESE INSTRUCTIONS  
FOR FUTURE REFERENCE**



**Porter Athletic Equipment Company**

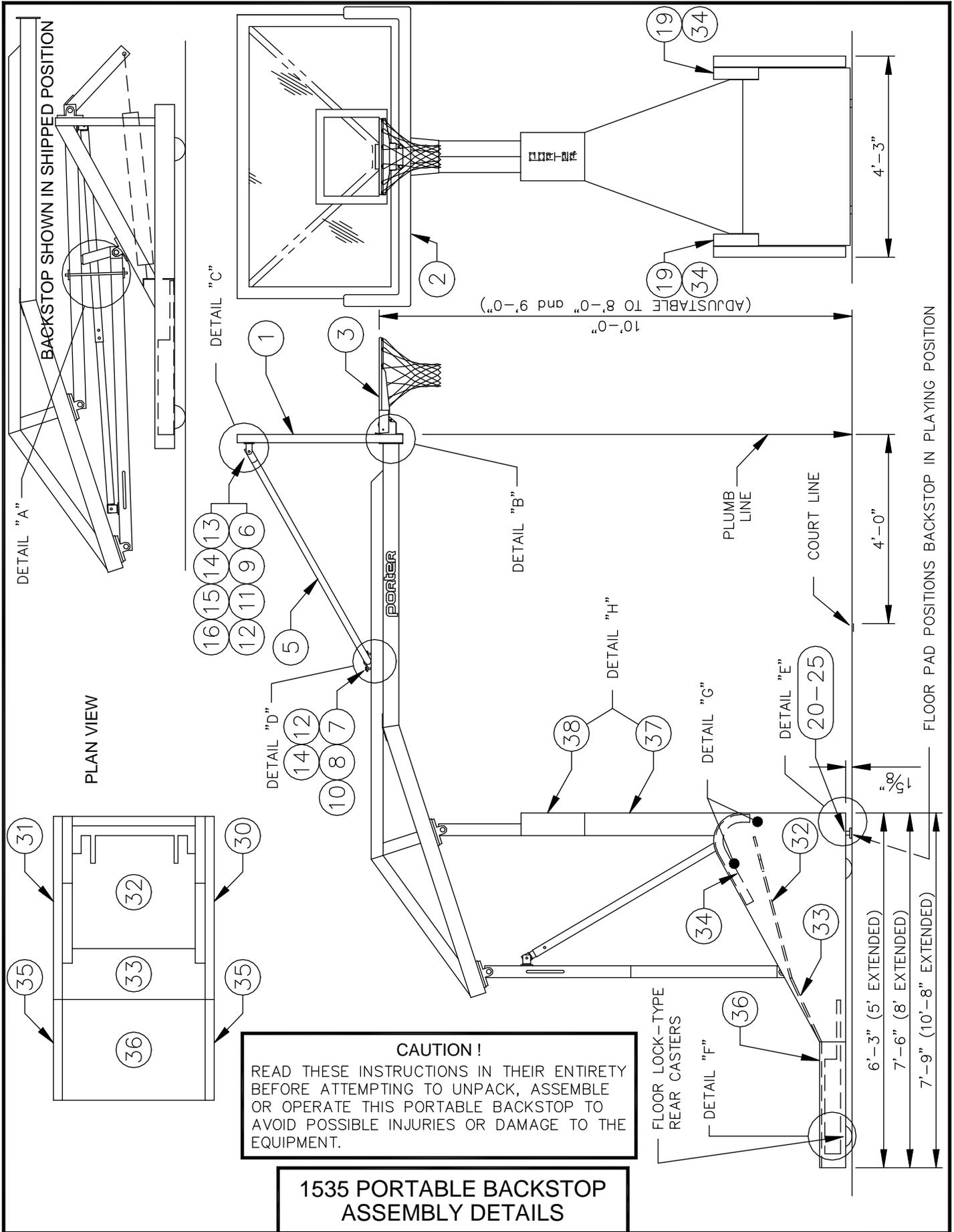
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## ⚠ WARNING

**READ THESE ASSEMBLY AND OPERATING INSTRUCTIONS IN THEIR ENTIRETY, BEFORE ATTEMPTING TO UNPACK, ASSEMBLE, OR OPERATE THIS PORTABLE BACKSTOP, TO AVOID POSSIBLE INJURIES, OR DAMAGE TO THE EQUIPMENT.**

### PARTS LIST

Item No.	Part No.	01535-500 Quantity	01535-800 Quantity	01535-108 Quantity	Description
1	00208-000	1	1	1	Glass Backboard – 3'-6" x 6'-0"
2	00326-000	1	1	1	Pro-Pad® Backboard Padding **
3	Per Order	1	1	1	Goal *
4	FRME 00096 003	1			Backstop Frame Assembly
	FRME 00088 023		1		Backstop Frame Assembly
	FRME 00135 003			1	Backstop Frame Assembly
5	FRME 00097 003	1			Backboard Yoke Frame
	FRME 00093 003		1	1	Backboard Yoke Frame
6	HING 00066 003	2	2	2	Hinge Weldment
7	PLTE 00128 003	1	1	1	Yoke Clamp Plate
8	CLMP 00022 003	2	2	2	1-5/8" Half Clamp
9	HDWE 01140 0P0	2	2	2	1/2" x 3" Lg. Hex Head Cap Screw (Grade 5)
10	HDWE 01225 0P0	4	4	4	3/8" x 5-1/2" Lg. Hex Head Cap Screw (Grade 5)
11	HDWE 02073 0P0	4	4	4	3/8" x 1-1/4" Lg. Carriage Bolt (Grade 5)
12	HDWE 03002 0E0	8	8	8	3/8" Hex Nut
13	HDWE 03003 0E0	2	2	2	1/2" Hex Nut
14	HDWE 04002 0E0	8	8	8	3/8" Lockwasher
15	HDWE 04003 0E0	2	2	2	1/2" Lockwasher
16	HDWE 05004 0E0	4	4	4	3/8" Flatwasher
17	HDWE 05005 0E0	4	4	4	1/2" Flatwasher
18	HDWE 06020 0E0	26	26	26	1/4" x 4" Lg. Lag Screw
19	HDWE 06086 0E0	2	2	2	5/16" x 3/4" Lg. Flat-Head Machine Screw

\* The goal is specified by the customer.

\*\* Backboard padding is provided in Gray as the standard color. Another color may have been substituted with this backstop.

### FLOOR JACK ASSEMBLY

20	BASE 00078 000	2	2	2	Floor Jack
21	HDWE 01177 0P0	4	4	4	1/2" x 4" Lg. Hex Head Cap Screw (Grade 5)
22	HDWE 01154 0P0	4	4	4	1/2" x 1-1/4" Lg. Hex Head Cap Screw (Grade 5)
23	HDWE 03003 0E0	8	8	8	1/2" Hex Nut
24	HDWE 04003 0E0	8	8	8	1/2" Lockwasher
25	HDWE 05005 0E0	4	4	4	1/2" Flatwasher
26	HDWE 06011 0E0	8	8	8	#14 x 3/4" Lg. Flat-Head Sheet Metal Screw
27	MISC 00165 000	1	1	1	Ratchet Box Wrench
28	FEET 00031 0F0	2	2	2	Cup Weldment ♦
29	00242-100	2	2	2	Floor Anchor ♦

♦ – SUPPLIED AS STANDARD WITH No. 01535-108. OPTIONAL WITH No.'s 01535-800 and 01535-500.

### BASE / UPRIGHT PADDING

30	ZMAT 11534 100	1	1	1	Right-Hand Side Pad
31	ZMAT 11534 110	1	1	1	Left-Hand Side Pad
32	ZMAT 11534 130	1	1	1	Upper Spring Cover
33	ZMAT 11534 140	1	1	1	Lower Spring Cover
34	ZMAT 11534 160	2	2	2	Wrap-Around Pad
35	ZMAT 11534 150	2			Base Pad Extension
	ZMAT 11534 180		2		Base Pad Extension
	ZMAT 11534 190			2	Base Pad Extension
36	ZMAT 11534 155	1			Weight Cover
	ZMAT 11534 185		1		Weight Cover
	ZMAT 11534 195			1	Weight Cover
37	ZMAT 11534 200	1	1	1	Front Mast Pad Assembly
38	ZMAT 11534 230	1	1	1	Top Mast Pad

NOTE – Padding and enclosures are provided in Royal Blue as the standard color. Another color may have been substituted with this backstop.

## No. 1535 PORTABLE ROLLAWAY BACKSTOP ASSEMBLY INSTRUCTIONS

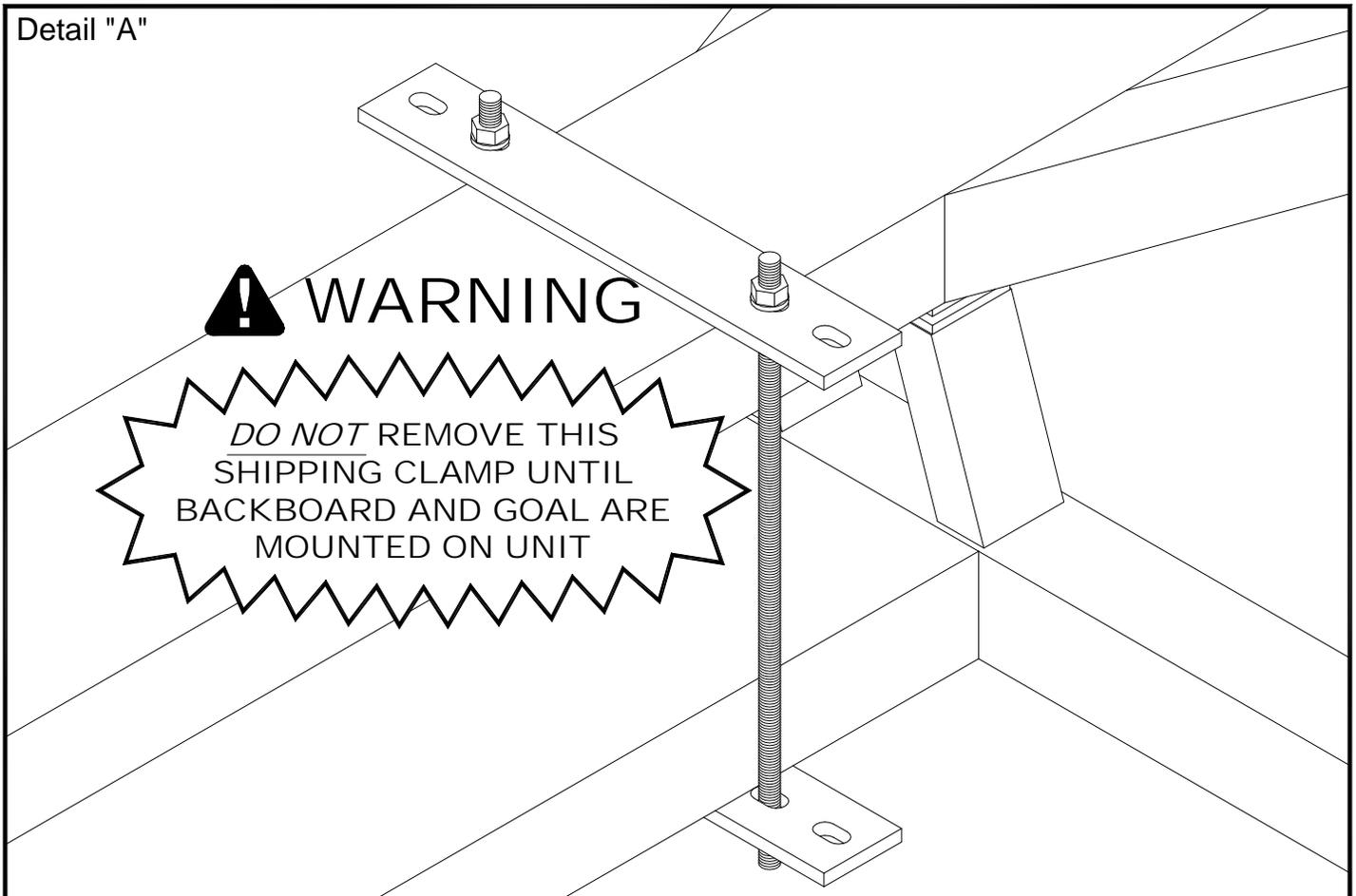
### CAUTION

**BEFORE rolling this portable backstop onto the finished floor**, check with the flooring manufacturer to ensure the finished floor will not be damaged due to the weight of this unit. When fully-assembled, this backstop will weigh as much as 2,525 pounds (1,145kg), and will exert a force of approximately 485 pounds per square inch (35kg per square centimeter). Optional items (shot clock, etc.) will result in additional weight.

### WARNING

THE SPRING-ACTIVATED MECHANISM ON THIS BACKSTOP MAY BE EXTREMELY DANGEROUS IF THESE ASSEMBLY INSTRUCTIONS AND OPERATION PROCEDURES ARE NOT FOLLOWED STEP-BY-STEP. **UNDER NO CIRCUMSTANCES SHOULD THE SHIPPING CLAMP (SEE DETAIL "A" BELOW) BE REMOVED BEFORE THE BACKBOARD, GOAL AND BACKBOARD YOKE FRAME ARE ASSEMBLED TO THE UNIT. FAILURE TO FOLLOW THIS PROCEDURE COULD RESULT IN PROPERTY DAMAGE, INJURIES, OR EVEN DEATH.** A MINIMUM OF TWO, AND PREFERABLY THREE, INDIVIDUALS (TO HOLD AND MOUNT BACKBOARD) ARE REQUIRED, FOR PROPER AND SAFE ASSEMBLY OF THIS UNIT.

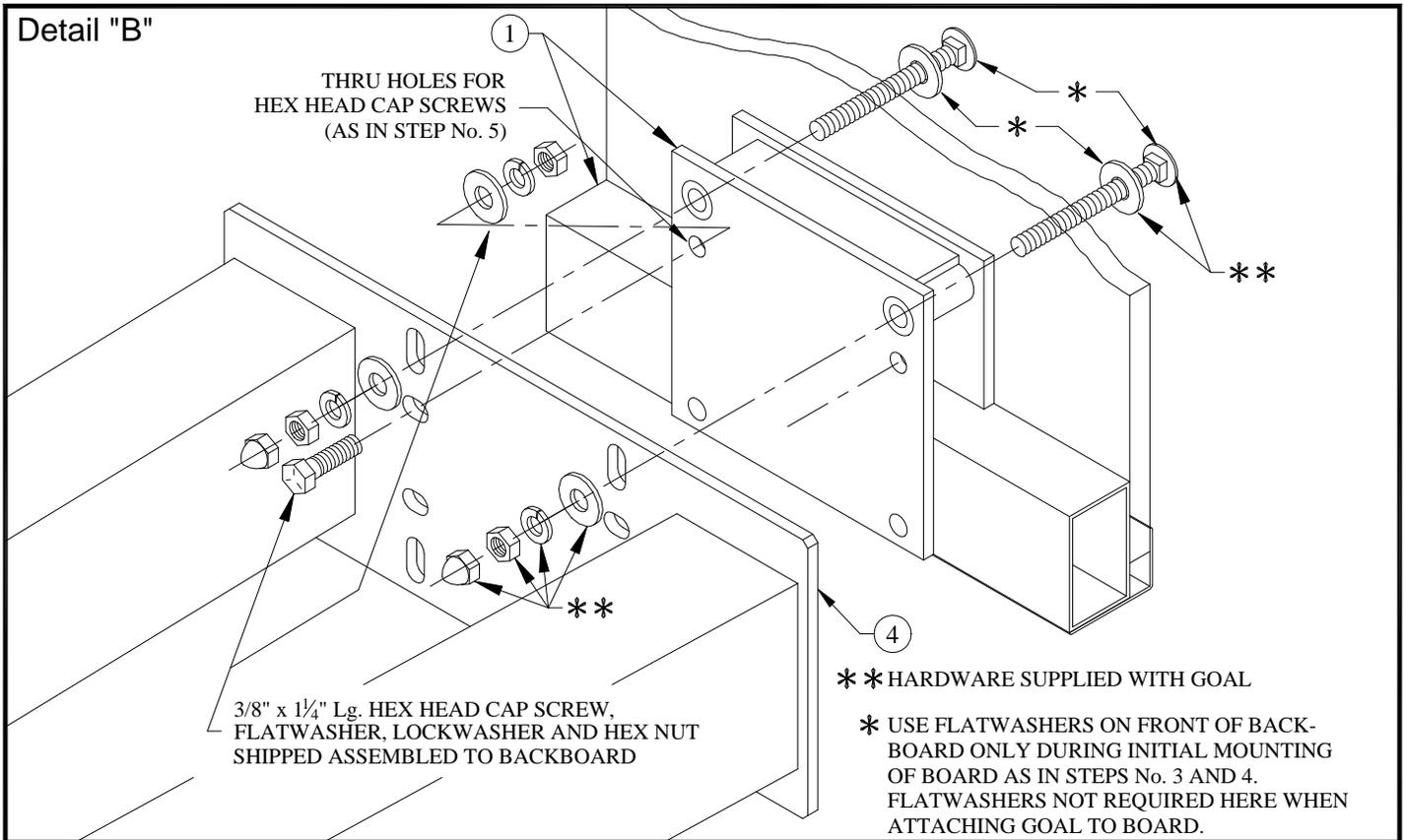
Detail "A"



## **NOTE**

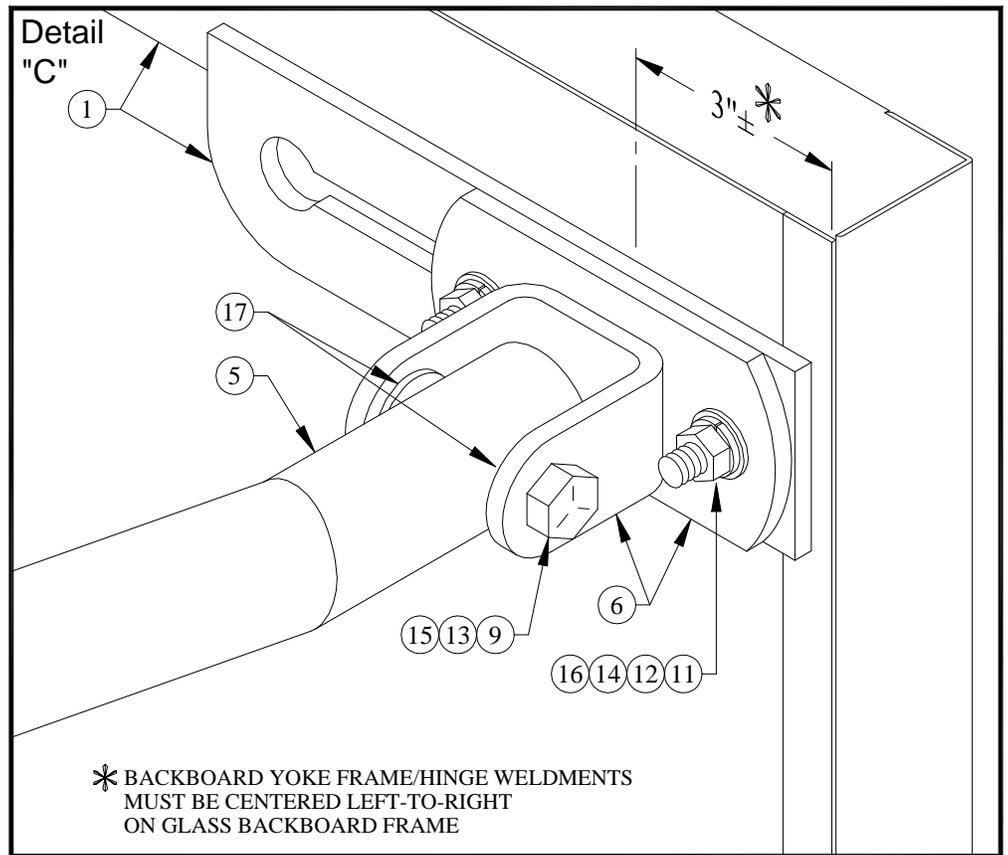
CAUTION – DURING ASSEMBLY OF THIS BACKSTOP, IT IS OF EXTREME IMPORTANCE THAT THE BACKBOARD IS NOT DROPPED, IMPROPERLY TORQUED (BOLTS TIGHTENED BEFORE PLUMBING ALL ATTACHMENT POINTS), OR THE GLASS SECTION BE ALLOWED TO CONTACT OR STRIKE METAL PARTS. THE WARRANTY DOES NOT COVER BREAKAGE DURING INSTALLATION.

1. Unpack and identify all parts (refer to Parts List on page 5).
2. Position the unpacked glass backboard (#1) on its cardboard packing carton in front of portable backstop frame assembly (#4). Remove two 3/8" x 1-1/4" hex head cap screws, flatwashers, lockwashers and hex nuts from back of glass backboard.
3. Assemble two 3/8" x 3-1/2" carriage bolts with 3/8" flatwashers. Note – This hardware is packed with goal. Carefully lift backboard (#1) and position so that upper goal mounting holes are in alignment with the corresponding holes on the backstop mounting plate. See Detail "B".

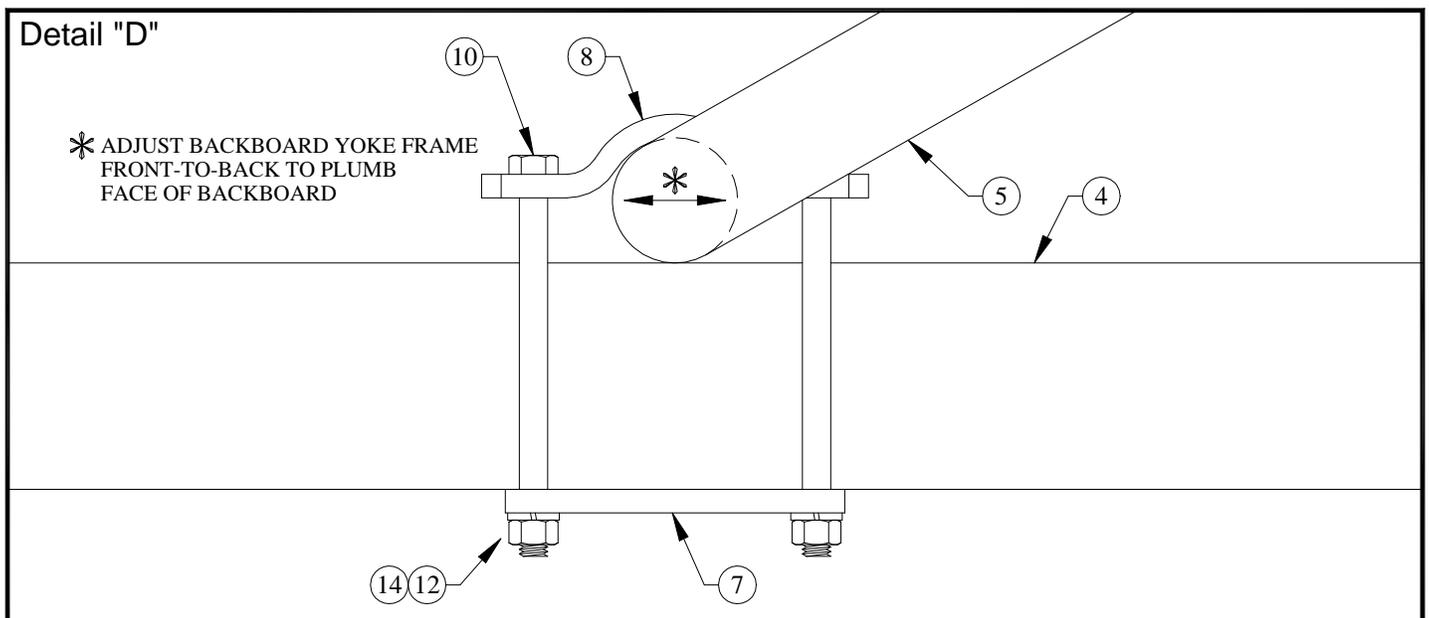


4. While backboard is in this position, insert the two (2) 3/8" x 3-1/2" carriage bolts with flatwashers from Step No. 3 through the backboard and mounting plate on the backstop horizontal extension, secure in place with 3/8" hex nut, 3/8" lockwasher and 3/8" flatwasher, snug tighten only.
5. Carefully shift backboard (pick one end up or down) to align slots shown in Detail "B" with the two (2) thru holes in the backside of the backboard frame. Secure with the 3/8" hardware that was removed from the backboard in Step No. 2. Do not overtighten. See Detail "B".
6. Attach the two (2) hinge weldments (#6) into the slots in the upper corners of the glass backboard using four (4) 3/8" x 1-1/4" long carriage bolts (#11), 3/8" hex nuts (#12), 3/8" flatwashers (#16) and 3/8" lockwashers (#14), finger tighten only (see Detail "C").

7. Lay backboard yoke frame (#5) on the top side of the backstop horizontal extension assembly, positioning upper ends of the yoke into the hinges in the upper corners of the backboard assembled in Step No. 6. Secure in place with two (2) 1/2" x 3" lg. hex head cap screws (#9), 1/2" hex nuts (#13) and 1/2" lockwashers (#15). Use 1/2" flatwashers (#17) as spacers on either side of backboard yoke frame (#2) (see Detail "C"). Center the two hinge weldments (#6) on the frame of the backboard and tighten all bolts securely.



8. Attach lower end of backboard yoke frame (#5) to the top tube of the horizontal extension assembly (see Detail "D") using two (2) half clamps (#8), mounting plate (#7), and four (4) 3/8" x 5-1/2" hex head cap screws (#10), 3/8" hex nuts (#12) and 3/8" lockwashers (#14). Snug bolts only at this time.



9. Remove the two goal mounting bolts assembled in Steps No. 3 & 4.
10. You are now ready to mount the goal. Carefully hold the goal (#3) against the face plate of the backboard (#1) and insert the two 3/8" x 3-1/2" lg. carriage bolts through the goal, backboard and the backstop mounting plate (refer back to Detail "B"). Note – Flatwashers are not required at this point. Backboard may have to be shifted slightly for proper alignment. Secure with two (2) 3/8" hex nuts, 3/8" flatwashers and two (2) 3/8" lockwashers on backside of mounting plate. Assemble two 3/8" cap nuts on end of cap screws.
11. Repeat Step No. 10 by inserting bolts through the bottom two goal mounting holes.
12. Lay a level across the top of the backboard. Align backboard and securely tighten two (2) 3/8" x 1-1/4" bolts mounted through the backstop mounting plate into the backboard. Level goal and tighten four (4) bolts through goal.
13. Assemble floor jacks (#20) to frame assembly (#4). Use 1/2" x 4" hex head cap screw (#21) with 1/2" flatwasher (#25), 1/2" lockwasher (#24) and 1/2" hex nut (#23) at cross tube. Use 1/2" x 1-1/4" hex head cap screw (#22) with 1/2" lockwasher (#24) and 1/2" hex nut (#23) at side tube. See Detail "E".

### **REMOVE SHIPPING CLAMP AT THIS TIME**

14. Make sure all weights in the back of the unit are in place and none have been moved or removed during shipment. Keeping all individuals clear from beneath unit (front and back), from the side carefully loosen threaded rods and remove shipping clamps (see Detail "A") at this time.
15. Folding cycle of the backstop should be checked at this time – ***PROCEED WITH CAUTION.***

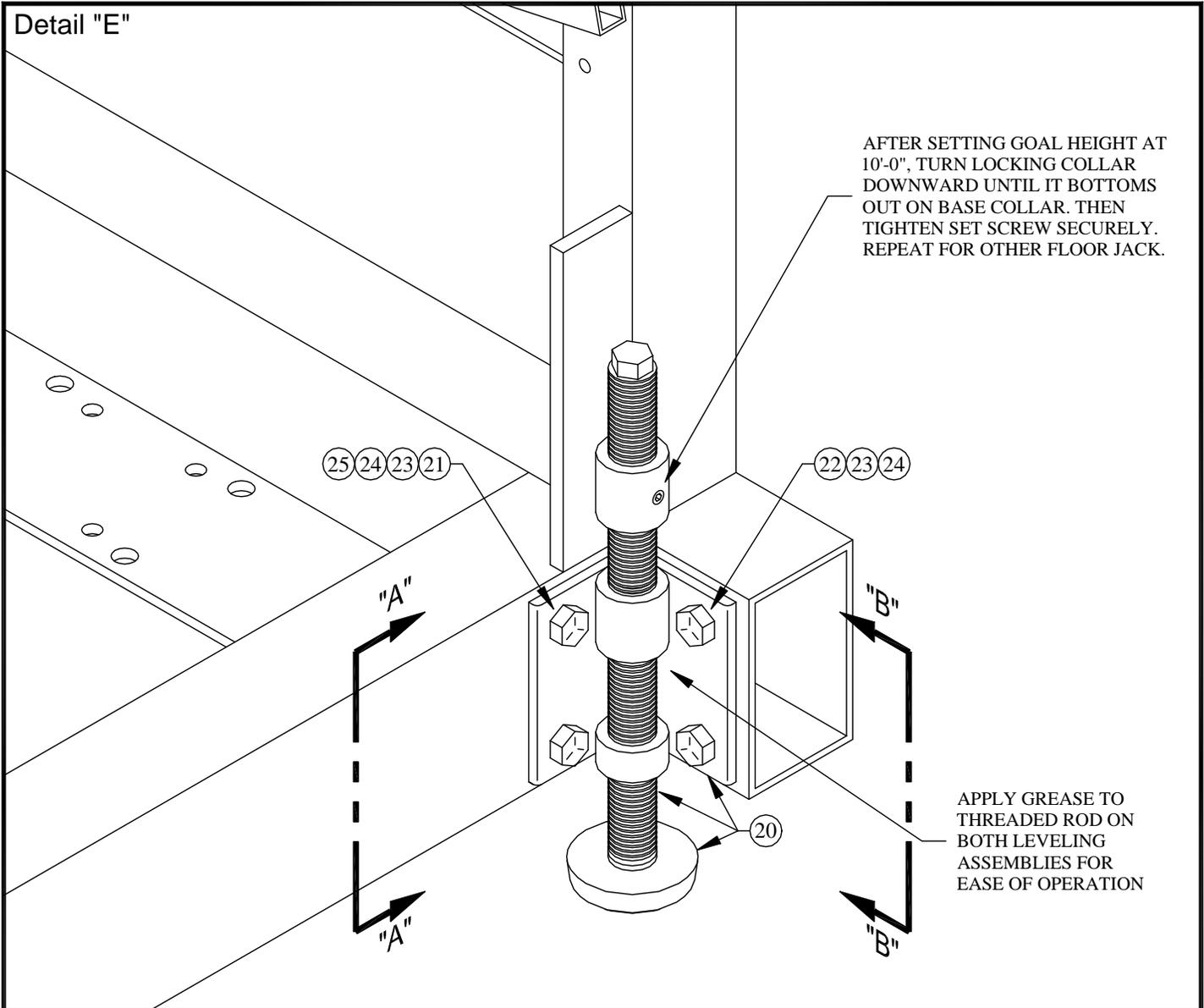
Remove the padlock and locking pin from the telescoping brace; also loosen the pressure lock handwheel slightly. Keeping all individuals clear from beneath unit (front and back), stand to one side of the rear of the base. Grasp the handle on the rear vertical support and slowly lift unit into playing position.

**CAUTION** - WHEN RAISING THE UNIT INTO THE PLAYING POSITION OR LOWERING THE UNIT INTO THE STORAGE POSITION, OPERATE UNIT SLOWLY TO AVOID TIPPING OR DAMAGE TO THE STRUCTURE. OPERATE UNIT UP AND DOWN SEVERAL TIMES TO CHECK OPERATION. NEVER MOVE THE UNIT FROM PLACE TO PLACE UNLESS THE BACKSTOP IS IN THE LOCKED-DOWN STORAGE POSITION!

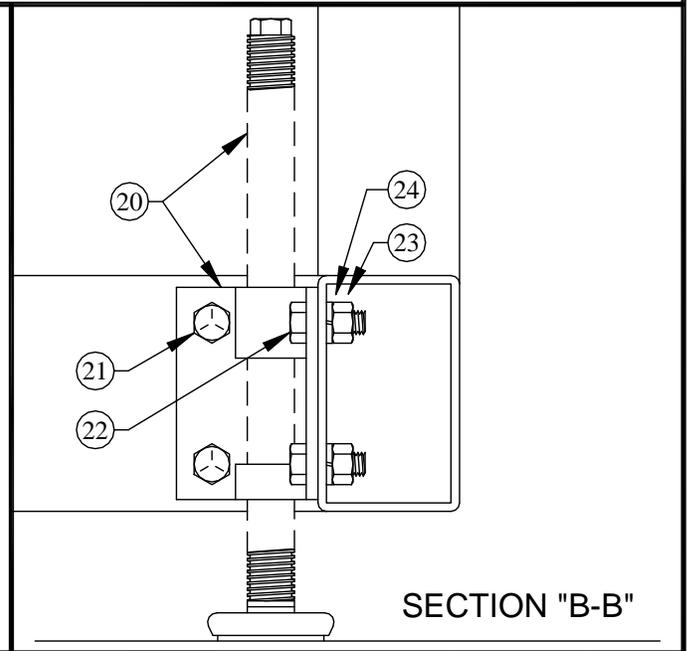
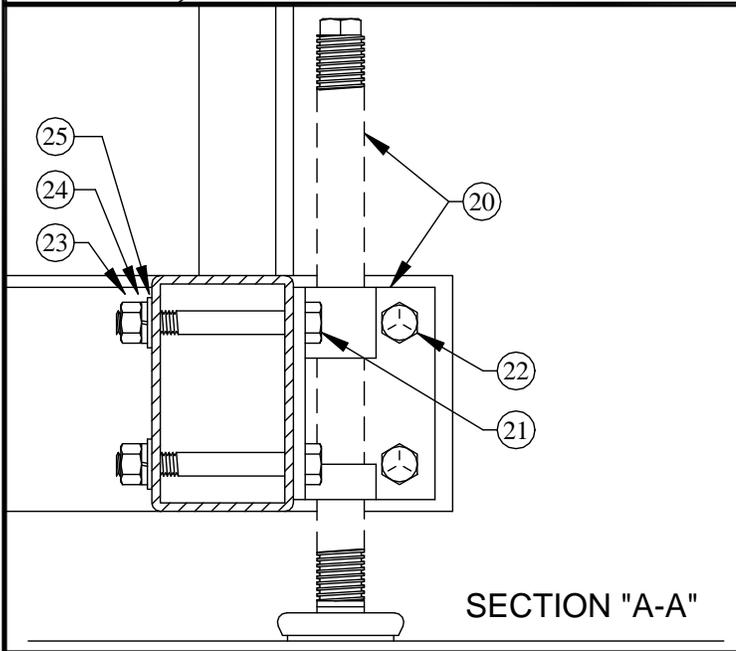
16. With the backstop locked in the down or folded position, roll the unit into the approximate playing position (see assembly drawing, page 4).
17. Raise the unit to the playing position and align the face of the backboard parallel to and 4'-0" in from the inside edge of the 2" wide court line. Plumb per assembly drawing.
18. Step on locking levers on the two rear casters when the unit is properly positioned to prevent it from rolling on the floor (see Detail "F").
19. Turn the front two floor jacks with the wrench provided (see Detail "E") until the floor pads make contact with the floor. Marking the floor with tape, etc. will ensure proper alignment on future set-ups.
20. Using a stepladder, lay a level vertically on the face of the glass backboard. Shift the clamp assembly on the rear of the backboard yoke frame assembly (see Detail "D") to properly plumb backboard. Tighten clamp bolts securely to hold backboard in position.
21. Check Goal Height - Set goal height at 10'-0" by adjusting the two front floor jacks (see Detail "E"). Lay level across bottom of backboard while making this adjustment to ensure that the backboard is level when the goal is at the 10'-0" dimension. Note that it may be necessary to loosen the six (6) bolts in the backboard mounting plate very slightly to shift and level the backboard. Retighten securely after final adjustments are complete.
22. With goal height set at 10'-0", the locking collars on the floor jacks can be permanently set. Screw the locking collars downward until they are tight against the collars that are part of the base. Tighten the set screw securely in each collar. At each future set-up, the floor jacks need simply to be turned downward until the locking collar bottoms out on the base collar. This will yield a 10'-0" goal height each time without having to measure.

Detail "E"

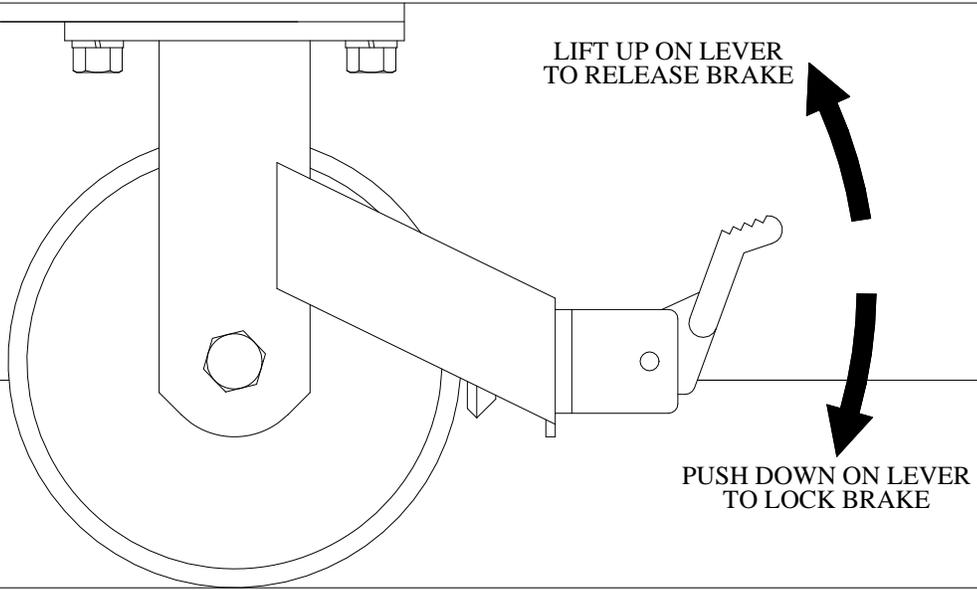
AFTER SETTING GOAL HEIGHT AT 10'-0", TURN LOCKING COLLAR DOWNWARD UNTIL IT BOTTOMS OUT ON BASE COLLAR. THEN TIGHTEN SET SCREW SECURELY. REPEAT FOR OTHER FLOOR JACK.



APPLY GREASE TO THREADED ROD ON BOTH LEVELING ASSEMBLIES FOR EASE OF OPERATION

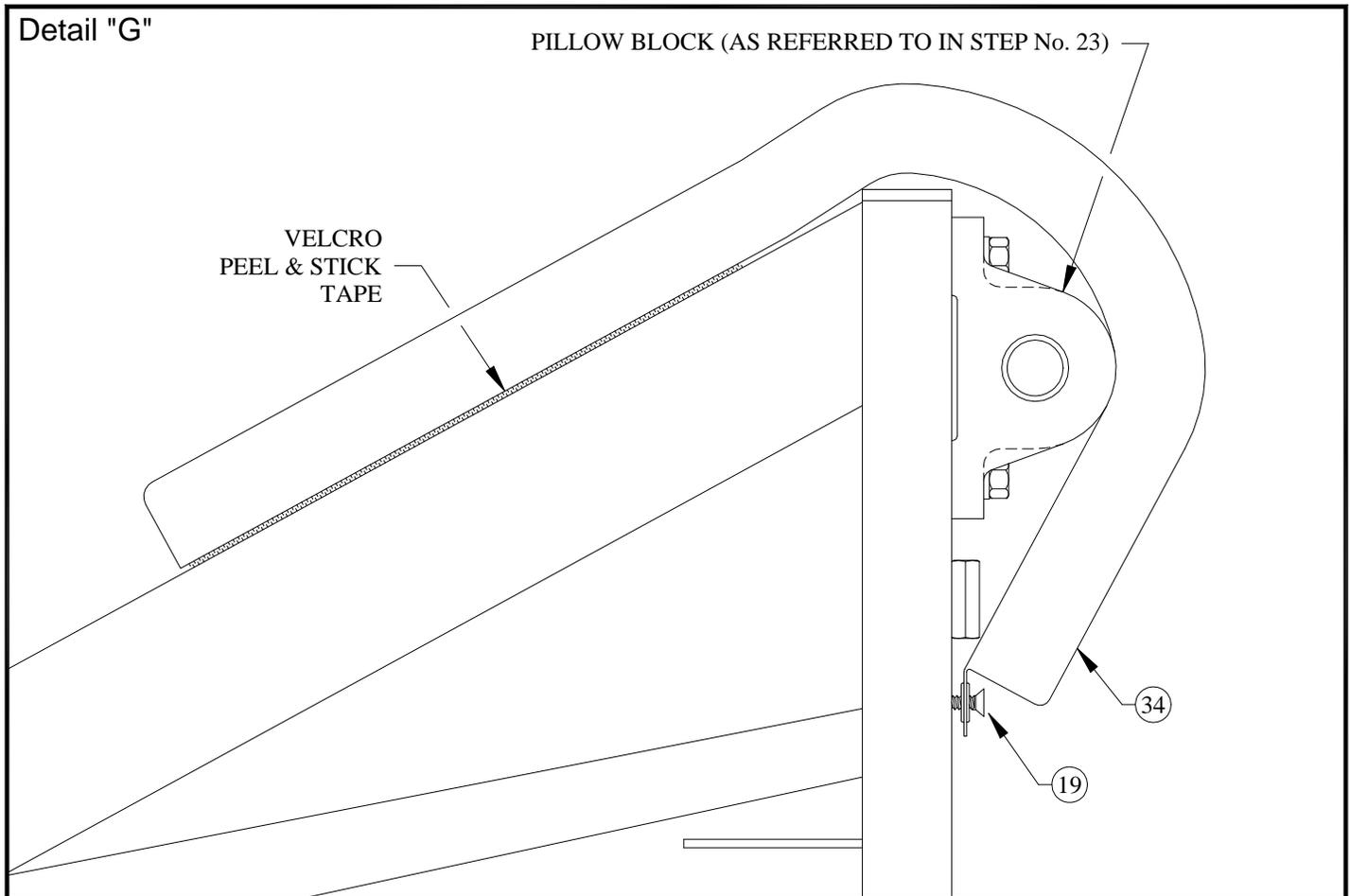


Detail "F"



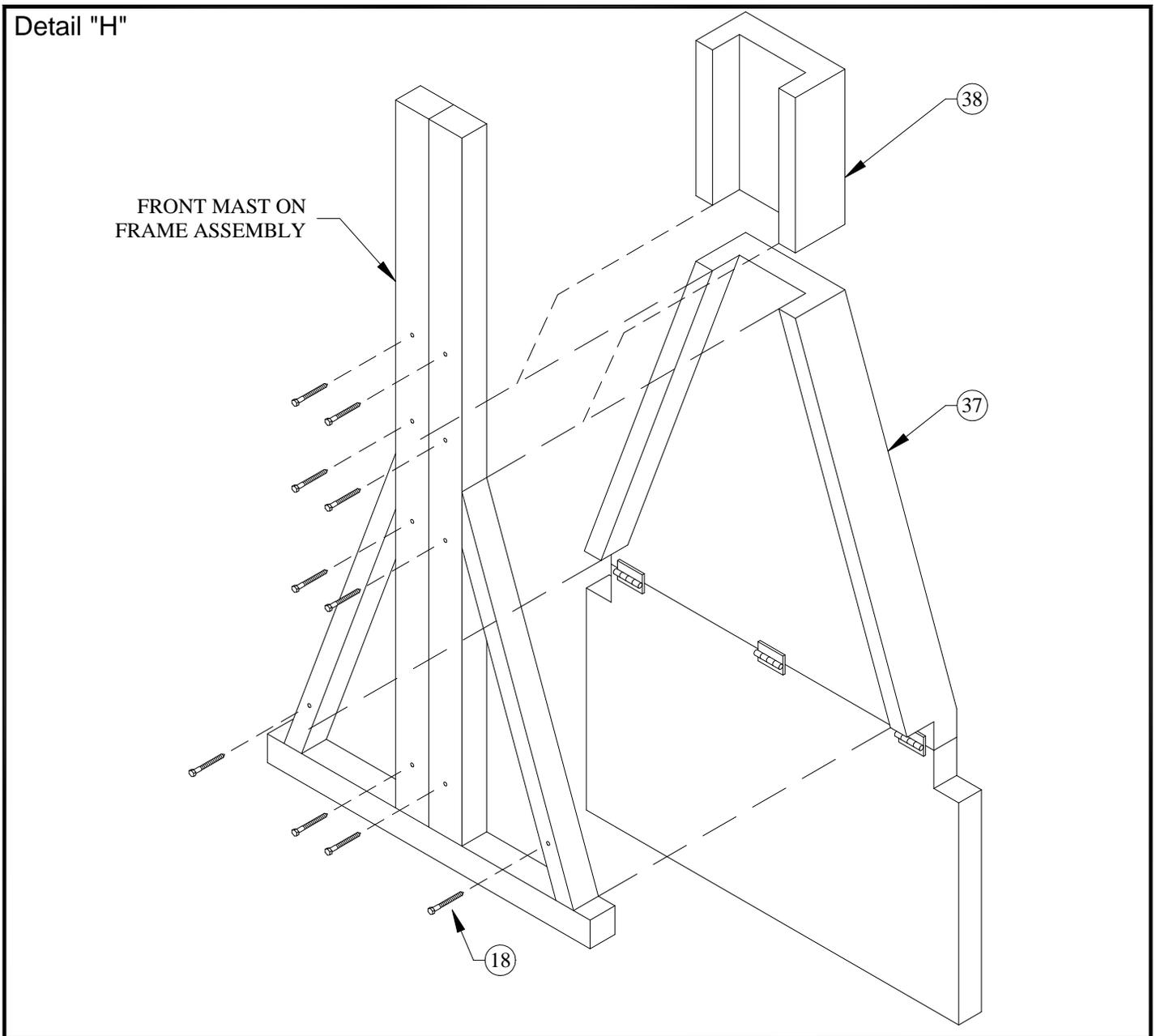
## ASSEMBLE PADDING AND ENCLOSURE PANELS TO FRAME AS FOLLOWS

- 23.** Start by assembling the wrap around pad (#34) to front of side frame just under pillow block using a 5/16" x 3/4" long phillips flat head machine screw (#19) through the flap grommet. Remove peel and stick tape on Velcro attached to pad. Wrap pad firmly around bearing and vertical support and press downward firmly to insure that pad is secured in place. Repeat for other side. See Detail "G".



24. Mount front mast pad assembly (#37) to the front mast using six (6) 1/4" x 4" hex head lag screws (#18). See Detail "H".

25. Assemble top mast pad (#38) above front mast pad assembly (#37) from Step No. 24 using four (4) 1/4" x 4" hex head lag screws (#18). See Detail "H".



26. Next assemble right hand side pad (#30) so that front edge of pad is flush with front mast pad assembly (#37), using six (6) 1/4" x 4" hex head lag screws (#18). Pad should be 1-5/8" off floor. (Use pieces of 2 x 4 lumber and cardboard to hold pad at proper height.) Repeat for assembling left hand side pad (#31). See Page 4.
27. Position base pad extensions (#35) to rear sides of frame with top edge extending 1/2" above the base so that it will be flush with the weight cover (#36) at final assembly. Secure pads to sides of base using two (2) 1/4" x 4" hex head lag screws (#18). See Page 4.
28. Next slide in upper spring cover (#32) on rails located on both sides of base with cutouts positioned toward front of unit as shown in plan view drawing. See Page 4.
29. Next, locate lower spring cover (#33) (which has Porter logo) just under pillow blocks. Check fit, then remove tape backing from peel and stick Velcro pile and attach to base tubes to hold cover in position. See Page 4.
30. Check fit of weight cover (#36), then remove tape backing from peel and stick Velcro pile, carefully reposition cover and press in place.
31. Attach backboard padding (#2) per instructions provided with pads.
32. Touch up any scratches that may have occurred during shipping or assembly with white touch up paint.

IMPORTANT – UPON FINAL SET UP OF THIS UNIT, SHOW THE INDIVIDUAL WHO WILL OPERATE THIS UNIT HOW TO PROPERLY OPERATE THIS UNIT AND READ THE WARNING LABELS TO HIM EXPLAINING THE NECESSITY TO FOLLOW SAFE OPERATING PROCEDURES. THESE INSTRUCTIONS MUST BE GIVEN TO AN OFFICIAL IN CHARGE OF THE FACILITY FOR FUTURE REFERENCE.

THIS BACKSTOP MUST BE OPERATED ONLY BY AUTHORIZED PERSONNEL FAMILIAR WITH THE SAFE OPERATING INSTRUCTIONS AND PROCEDURES. THE ROLLER BEARINGS ARE LUBRICATED AND SEALED FOR LIFETIME OPERATION; HOWEVER, THIS EQUIPMENT SHOULD BE INSPECTED BEFORE EACH USE FOR WEAR, LOOSE FITTINGS, DAMAGE AND PROPER STABILITY. CONSULT A TRAINED SERVICE TECHNICIAN OR THE FACTORY WHEN IN DOUBT.

 **WARNING**

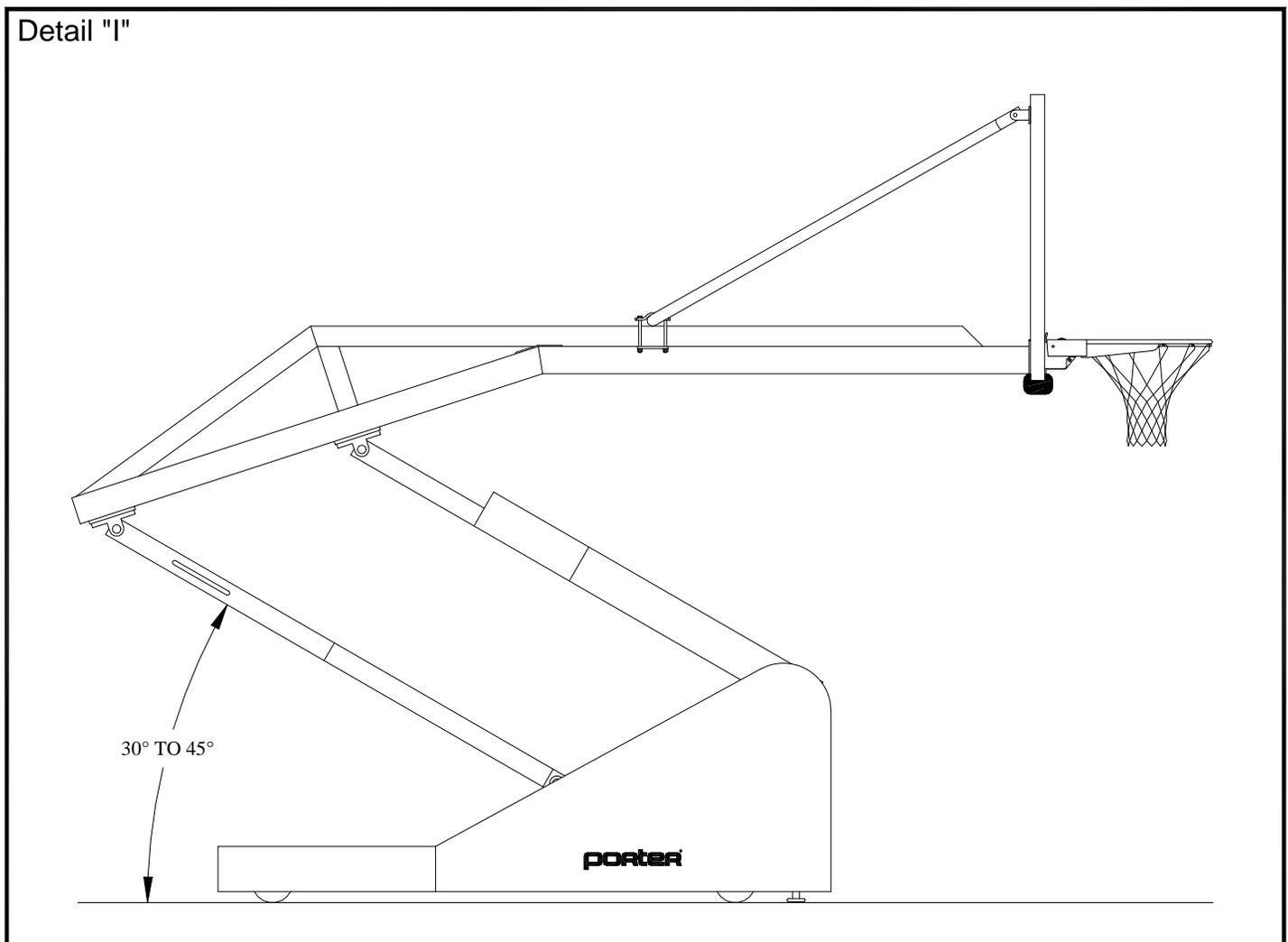
**SINCE THE FOLDING ACTION OF THIS BACKSTOP IS SPRING-ASSISTED, A POTENTIAL HAZARD EXISTS IF PROPER SAFETY PRECAUTIONS ARE NOT FOLLOWED. WHEN REMOVING OR REPLACING THE BACKBOARD ON THIS BACKSTOP, THE TELESCOPING BRACE / THRU PIN MUST BE LOCKED IN POSITION, TO PREVENT THE BACKSTOP FROM SUDDENLY SPRINGING TO THE UP POSITION, WHICH COULD RESULT IN SEVERE INJURIES, OR EVEN DEATH. CONSULT MANUFACTURER WHEN IN DOUBT.**

## ADJUSTMENT OF SPRING-LOADED MECHANISM FOR EASE OF RAISING AND LOWERING BACKBOARD

The tension springs on this unit have been pre-adjusted at the factory for proper raising and lowering of the backboard. However, should it be necessary to adjust the springs after years of use, or with the addition of shot clocks, the following adjustment procedures should be followed. As a safety precaution, it is advisable to check operation of unit with two individuals (one standing on each side of the unit) in the event of unexpected movement or undue forces exerted by the backstop support mechanism.

**WARNING** - When making adjustments the unit must be in the up and locked position. Do not turn the adjustment nuts (C) more than two (2) turns before trying operation of unit to avoid erratic or sudden movement, which may result in bodily injury or damage to the unit. When checking folding action, keep all individuals clear of unit and stand to one side while grasping handle.

**Spring Setting** - For proper operation of this unit it is highly recommended that the spring tension be adjusted so unit will be held in a static position with vertical supports at an approximate 30° to 45° angle from the horizontal position – (See Detail "I").



For proper operation the unit must be manually pushed to the full up (playing) position or the full down (storage) position. Operate unit slowly to prevent damage or injury.

## **DIFFICULTY IN RAISING THE UNIT (REFER TO DETAIL “J”)**

1. Loosen (turn clockwise) the two jam nuts (A) approximately six (6) turns.
2. Loosen (turn counterclockwise) the two jam nuts (B) approximately one (1) turn.
3. Tighten (turn clockwise) jam nuts (C) no more than two (2) turns.
4. Carefully raise unit to the playing position and check static position (refer to Detail “I”). Should it be necessary to tighten springs further, carefully raise unit and lock in the up position before proceeding.
5. Repeat Steps No. 3 & 4 until folding action of backstop functions properly.
6. Re-tighten jam nuts A & B securely to lock jam nut C in position after final adjustment has been made.

## **DIFFICULTY IN LOWERING THE UNIT**

1. Loosen (turn clockwise) the two jam nuts (A) approximately one (1) turn.
2. Loosen (turn counterclockwise) the two jam nuts (B) approximately six (6) turns.
3. Loosen (turn counterclockwise) the two jam nuts (C) no more than two (2) turns.
4. Carefully raise and lower unit and check the static position (refer to Detail “I”). Should it be necessary to loosen springs further, carefully raise unit and lock in the up position before proceeding.
5. Repeat Steps No. 3 & 4 until backstop functions properly.
6. Re-tighten jam nuts A & B securely to lock jam nut C in position after final adjustments have been made.

## **ADDITION OF A SPRING KIT**

If a spring kit is to be added or removed from the unit, the springs must be disconnected from the base frame.

1. Raise the unit to the upright position and lock the unit in place.
2. Place a protective mat or piece of cardboard under the springs to ensure the floor is not damaged when the springs are removed.
3. Loosen (turn counterclockwise) the two jam nuts (B) and remove them from the tension studs.
4. Loosen (turn counterclockwise) the two jam nuts (C) to the ends of the tension studs but DO NOT remove them from the tension studs at this time; the springs are likely still slightly extended and are exerting a spring force.
5. Remove the nuts and lock washers which attach the eye bolts at the opposite end of the springs.

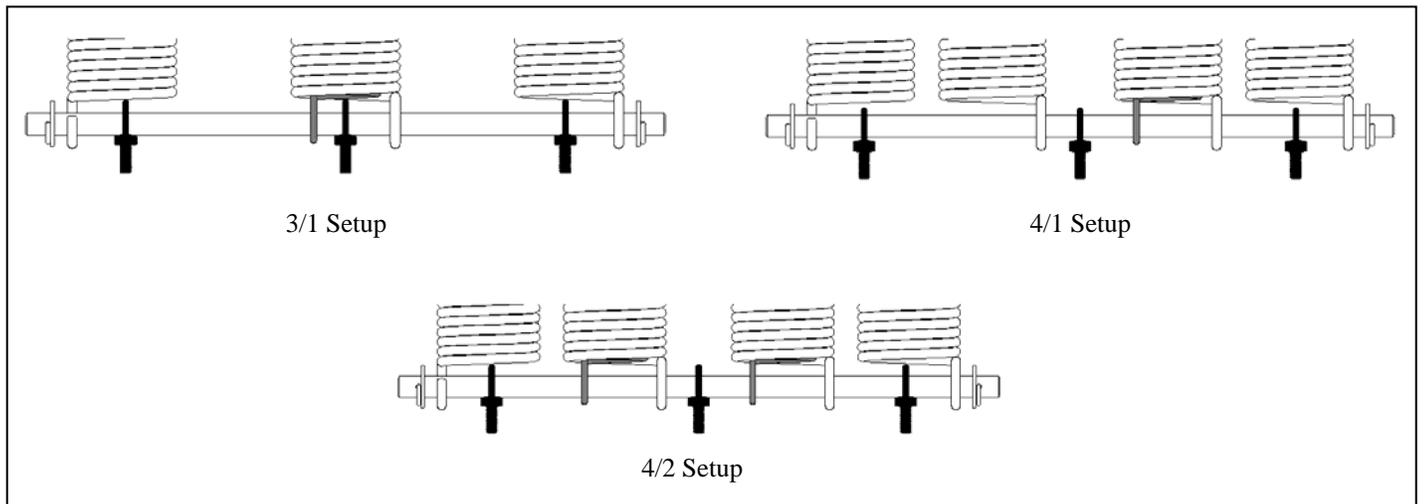
**WARNING** – Though most of the spring force should be out of the springs at this time, it is possible that they are still slightly extended which may cause the eye bolts to remain under slight tension. Therefore, it is important to keep the area in front of the eye bolts clear when removing them.

6. Remove the jam nuts (C) from the tension studs at this time; remove the springs and forward spring bar from portable and move them to a clear area.

7. At this point the springs may be swapped out as necessary depending on the system setup. The chart below describes the type and quantity of springs recommended based on the amount of shot clock weight attached to the portable. The “Approximate Distance” column lists the approximate extended length of the spring (measured from hook to hook) of the spring when the portable is lowered and locked in the down position. This value can be used as a gauge for where to start with the spring tension, and then adjust the springs according to the “Difficulty in Raising/Lowering the Unit” sections on the previous page. For reference, this spring distance should be approximately 41” when the back jam nuts (B and C) are at the end of the threading of the tension studs.

<b>01535-800 Portables:</b>		
<b>Shot Clock Weight:</b>	<b># of Outer Springs / # of Inner Springs</b>	<b>Approximate Distance:</b>
No Shot Clock	3/1	47”
50 Lbs of Shot Clock/s	4/1	42”
100 Lbs of Shot Clock/s	4/1	45”
<b>01535-108 Portables:</b>		
<b>Shot Clock Weight:</b>	<b># of Outer Springs / # of Inner Springs</b>	<b>Approximate Distance:</b>
No Shot Clock	4/1	42”
50 Lbs of Shot Clock/s	4/1	44”
100 Lbs of Shot Clock/s	4/2	44”

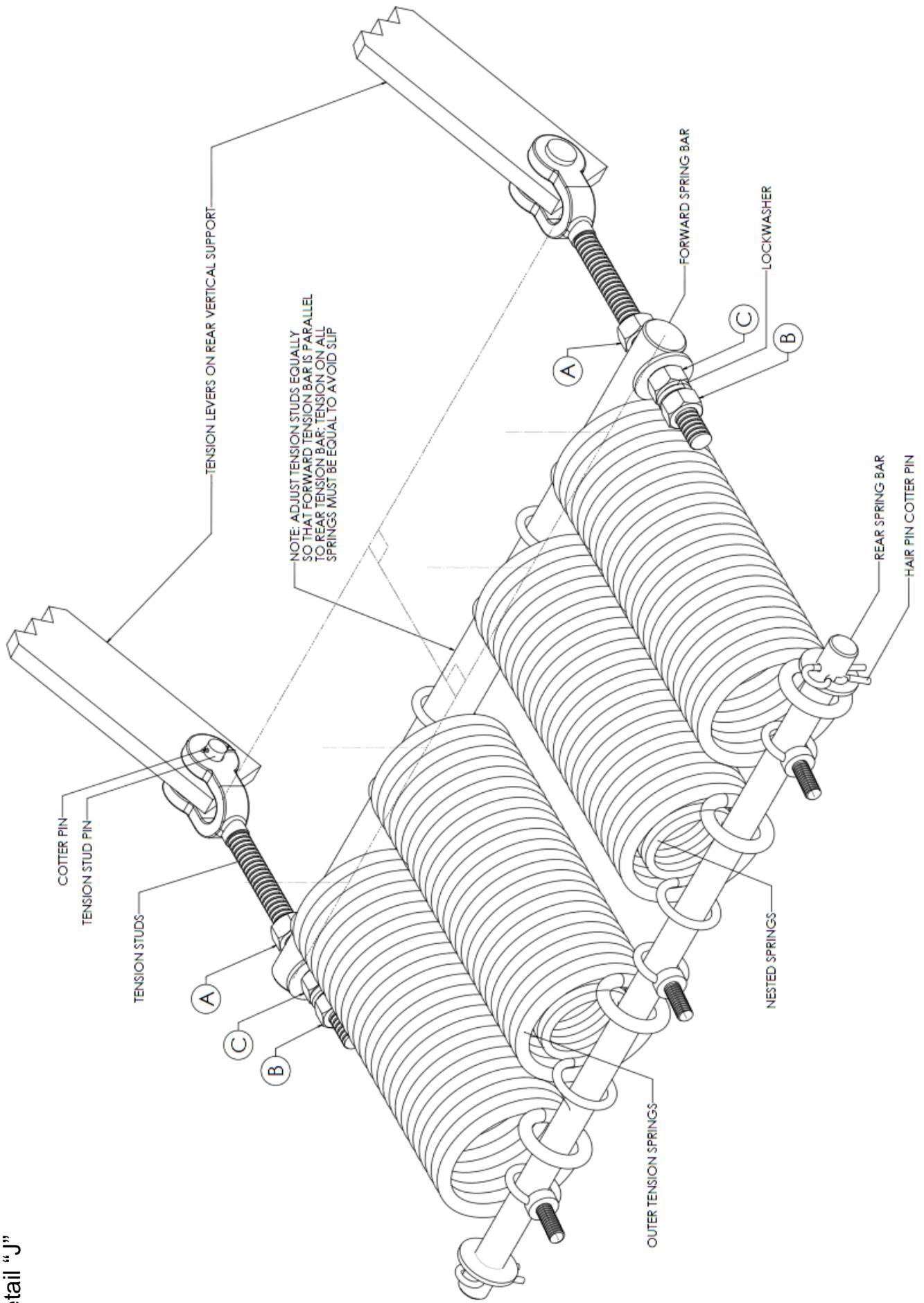
8. Remove the current springs and add the new springs in accordance with the table. When placing springs and eye bolts onto the rear spring bar, do so according to the figure below (eye bolts are black, nested springs are grey, outer tension springs are white). The three eye bolts will use the middle and furthest outside holes in the base frame.



\* Note: The far left spring will be mounted upside down in comparison to the other springs such that the openings of the hooks are facing upward.

9. Repeat the disassembly process in reverse, attaching the eye bolts first followed by sliding the forward spring bar over the tension studs and attaching the jam nuts. It may be difficult to get both the forward spring bar and the jam nuts onto the threads of the tension studs initially, in which case tensioning straps may be needed. It can be helpful to place the spring carriage on a small box or similar object so as to support the weight of the springs while the eye bolts are inserted and attached to the base frame.

# Detail "J"



# OPERATING PROCEDURES FOR THE No. 1535 PORTABLE BACKSTOP

## TO RAISE UNIT TO PLAYING POSITION

1. Roll to the playing position while the unit is in the folded and locked position.
2. Raise rear cover slightly and press caster levers downward to lock casters and prevent the unit from rolling on the floor.
3. Loosen (turn counterclockwise) the pressure lock handwheel on the telescoping height adjustment brace.
4. Remove the padlock and through pin in the telescoping height adjustment brace tube.
5. Clear floor area around the unit from spectators. Stand to one side of the unit and carefully and slowly lift upward on handle located near rear of unit.
6. Slowly raise or push unit to desired height setting (8', 9' or 10').
7. Replace through pin and padlock.
8. Tighten handwheel in telescoping brace securely.
9. Turn (clockwise) front floor lock handwheels and tighten securely to position unit on the floor at proper height.
10. For competition use, secure rear of the unit to the floor by screwing the handwheel studs into the floor anchor system (optional No. 01536 Floor Anchor System specified by the NCAA rules for competitive use).

## TO LOWER UNIT FOR STORAGE

1. Remove floor tie down handwheels (Step No. 10 above) when applicable.
2. Loosen (turn clockwise) the two front floor lock handwheels approximately twelve turns in order that front floor pads will clear floor, door sills, etc.
3. Loosen the pressure lock handwheel on the telescoping height adjustment brace.
4. Remove the padlock and while grasping the side handle on the rear vertical support remove the pin from the telescoping brace.
5. Stand to one side and slowly lower the unit to the lowest down or storage position.
6. Replace through pin and padlock in telescoping brace.
7. Tighten handwheel on telescoping brace.
8. Release (lift up) the rear locking caster mechanism.
9. Roll unit to storage location.



## IMPORTANT

ALWAYS KEEP PADLOCK IN THE LOCKED POSITION ON THE TELESCOPING HEIGHT ADJUSTMENT BRACE WHILE IN THE PLAYING OR STORAGE POSITIONS, TO PREVENT USE OF THIS BACKSTOP BY UNAUTHORIZED INDIVIDUALS, WHO ARE NOT FAMILIAR WITH THE SAFE OPERATION OF THE BACKSTOP.

 **WARNING**

**DANGER / WARNING ON MISUSE OF PORTABLE BACKSTOPS  
(Published in Compliance with NCAA Comments on the Rules of Basketball)**

Read all warnings thoroughly before using this equipment. Failure to comply with the following instructions and warnings may result in serious injuries and/or property damage.

A high degree of injury potential and severe liability problems exist when players or spectators are allowed to hang, sit or stand on the goal, backboard or support structure.

This equipment is NOT designed for adding weight to the goal or backboard. Please do not climb on the goal, backboard or support structure.

Administrators are cautioned that this practice be eliminated and that portable backstops are lowered immediately after the completion of each game. There is a high risk of severe injury or even death if these instructions are not strictly followed.

The use of a floor tie-down system for all competition games is mandatory and is the responsibility of game management and the personnel responsible for the facility.

This backstop must be operated only by authorized adult personnel familiar with the safe operating instructions and procedures as described in this operating manual. Read and refer to all operating instructions before attempting to operate this backstop.

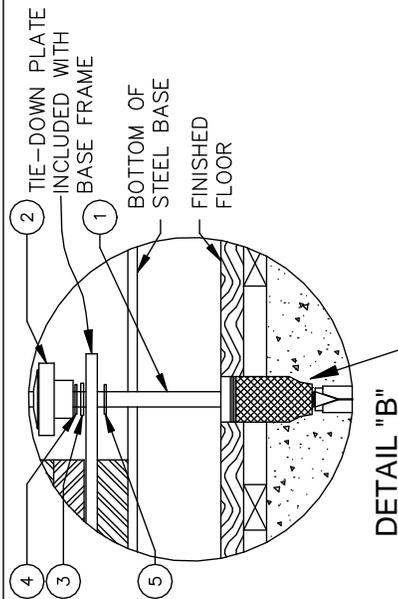
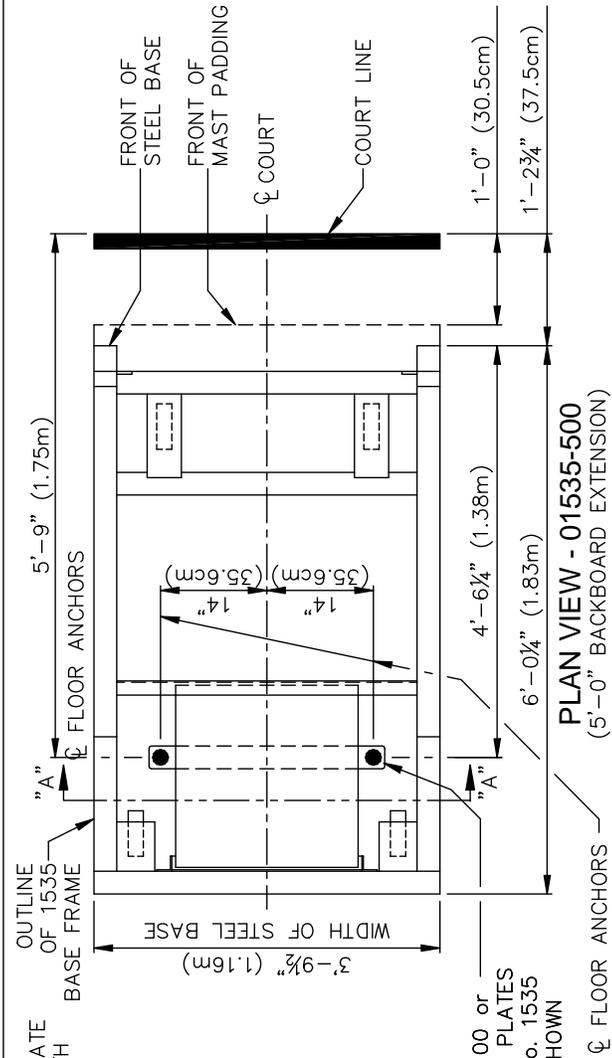
**CAUTION** – The following steps must be observed to provide the safe operation of this portable backstop:

- Do not roll this backstop on the floor unless it has been fully lowered to the storage/transport position.
- Before moving this backstop in the storage/transport position, check to ensure that the thru pin locking mechanism is fully engaged through the telescoping brace and is padlocked in place.
- When raising or lowering this backstop, stand to one side and keep all individuals clear from beneath backstop (front and back), and grasp only by the side handles.
- Keep hands and feet away from all pinch or crush points.
- When raising or lowering this backstop to the playing or storage/transport position, move backstop slowly to avoid tipping or damage to the structure.
- Padlock telescoping brace thru pin in any playing or storage position (see OPERATING PROCEDURES on page 18) to avoid tampering, vandalism, or use by unauthorized individuals.
- Inspect this equipment for wear, loose fittings, damage and proper stability before each use. Consult a trained service technician or the factory when in doubt.

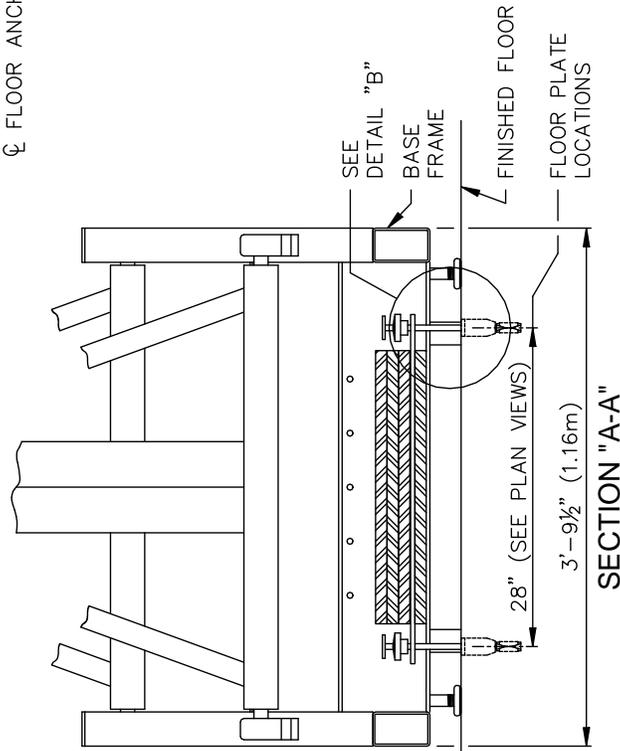
**THE OWNER OF THIS EQUIPMENT IS RESPONSIBLE TO ENSURE THAT ALL INDIVIDUALS FOLLOW THESE SAFETY AND OPERATING INSTRUCTIONS TO AVOID INJURIES OR PROPERTY DAMAGE. PROPER USE AND SUPERVISION OF THIS EQUIPMENT IS ESSENTIAL TO HELP REDUCE THE POSSIBILITY OF ACCIDENTS OR INJURIES.**

 **IMPORTANT**

**FILE THIS ASSEMBLY, ADJUSTMENT, OPERATION & MAINTENANCE MANUAL IN A SAFE LOCATION FOR FUTURE REFERENCE, TO AVOID INJURIES OR PRODUCT DAMAGE WHEN REPLACING A BACKBOARD, OR PERFORMING OTHER NECESSARY MAINTENANCE.**



TWO (2) 00247-100 or 00244-000 FLOOR PLATES LOCATED UNDER No. 1535 BASE FRAME AS SHOWN



No.	QTY.	DESCRIPTION
1	4	HAND 00070 000 HANDWHEEL WITH LONG THREADED STUD
2	4	HAND 00071 000 ADJUSTABLE HANDWHEEL
3	4	HDWE 05005 0E0 1/2" FLATWASHER
4	4	HDWE 55007 000 1/2" NYLON WASHER
5	4	HDWE 55008 0E0 1/2" RETAINER WASHER

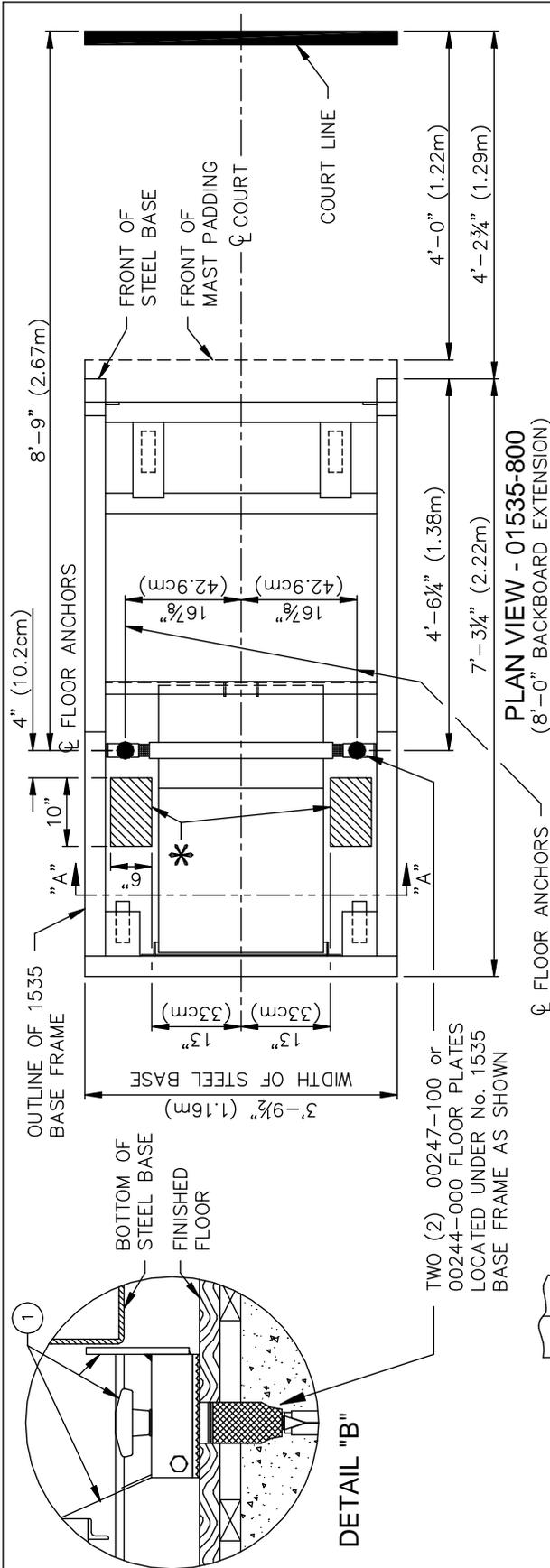
FLOOR ANCHOR SYSTEM (PAIR) REQUIRED FOR No. 01535-500 PORTABLE BACKSTOPS  
 FLOOR ANCHORS REQUIRED (4)

REVISION	DATE	porter No.
△ Tie-Down Plate	10-1-01	
△		CUSTOMER No.
△		DATE
© COPYRIGHT 1997 PORTER ATHLETIC EQUIPMENT CO. ALL RIGHTS RESERVED		10-1-1997

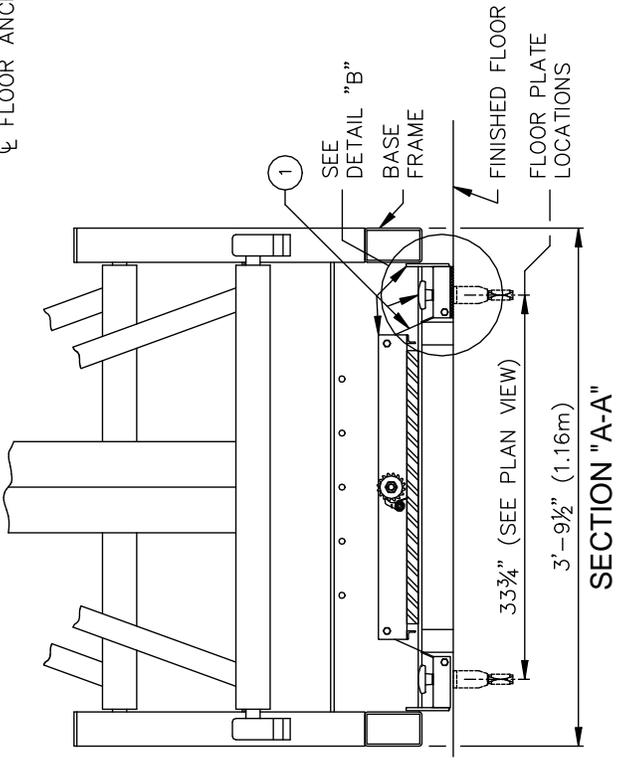
**01536-100**  
**FLOOR ANCHOR SYSTEM FOR PAIR OF No. 01535-500 PORTABLE BACKSTOPS**

**porter**  
 WORLD LEADER IN QUALITY SPORTS EQUIPMENT  
 2500 S. 25th AVENUE  
 BROADVIEW, ILLINOIS 60155  
 www.porter-ath.com

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CHECKED BY	EAS
PAGE No.	B-1536-5



\* NOTE - SHADED AREAS (6" x 10") (15cm x 25cm) SHOW LOCATION OF FLOOR AREAS FOR USE WITH OPTIONAL FLOOR MOUNTED TYPE POWER AND CONTROL RECEPTACLES FOR SHOT CLOCK TIMERS.



— 01236-300 FLOOR ANCHOR SYSTEM (PAIR) REQUIRED  
 FOR No. 01535-800 PORTABLE BACKSTOPS  
 FLOOR ANCHORS REQUIRED (4)

PACKING LIST		
No.	QTY.	DESCRIPTION
1	2	BASE 00046 0A1 TIE-DOWN ASSEMBLY
2	1	WINH 00027 000 CRANK HANDLE (NOT SHOWN)

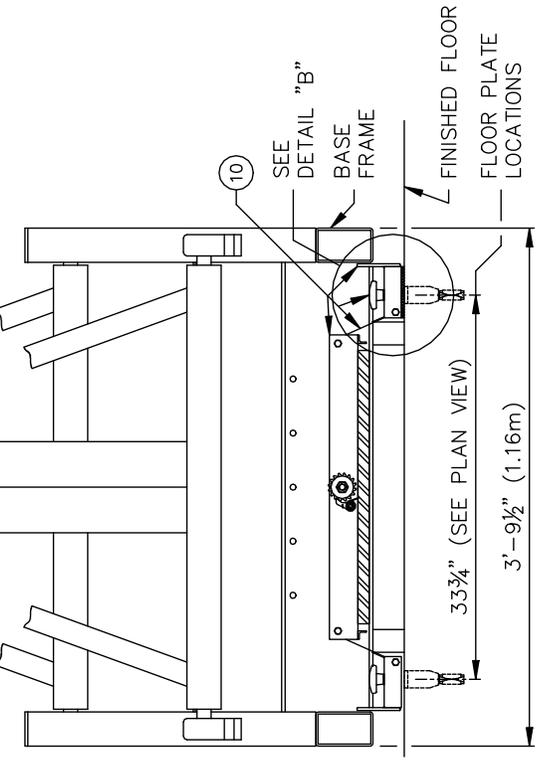
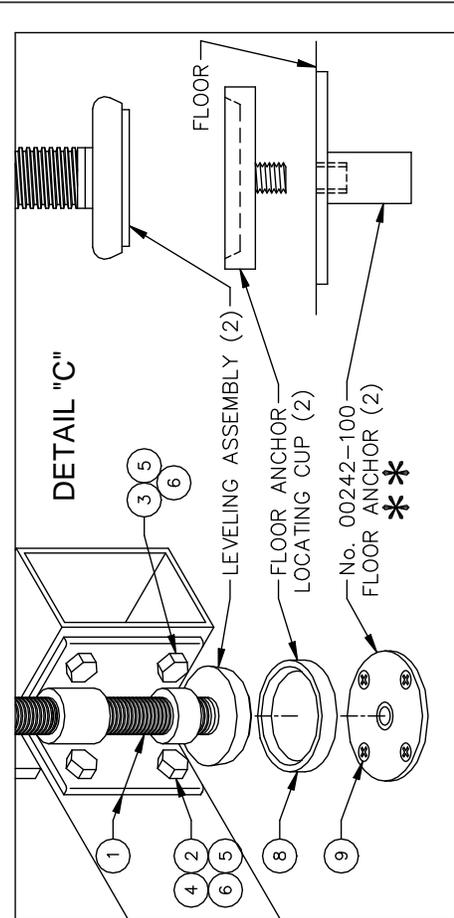
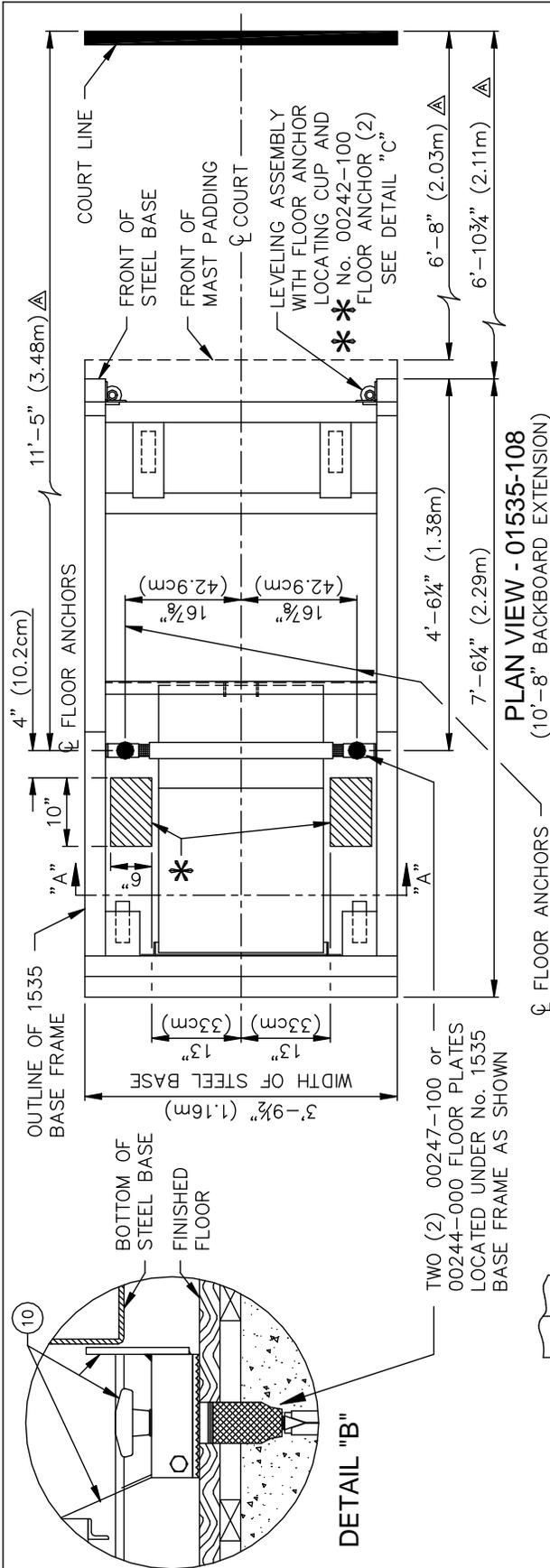
REVISION	DATE	porter No.
△		
△		CUSTOMER No.
△		DATE
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10-1-1997		

**01236-300**  
**FLOOR ANCHOR SYSTEM FOR PAIR OF**  
**No. 01535-800 PORTABLE BACKSTOPS**

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PAGE No.	B-1536-8



No.	QTY.	DESCRIPTION
1	2	BASE 00078 000 LEVELING ASSEMBLY
2	4	HDWE 01077 0E0 1/2" x 4" LG. BOLT
3	4	HDWE 01028 0E0 1/2" x 1-1/4" LG. BOLT
4	8	HDWE 05005 0E0 1/2" FLATWASHER
5	8	HDWE 04003 0E0 1/2" LOCKWASHER
6	8	HDWE 03003 0E0 1/2" HEX NUT
7	1	MISC 00165 000 WRENCH (NOT SHOWN)
8	2	FEET 00031 0F0 LOCATING CUP
9	4	HDWE 06011 0E0 #14 x 3/4" LG. FLAT HEAD SCREW
10	1	BASE 00046 0A1 TIE-DOWN ASSEMBLY
11	1	WINH 00027 000 CRANK HANDLE (NOT SHOWN)

\* NOTE - SHADED AREAS (6" x 10") (15cm x 25cm) SHOW LOCATION OF FLOOR AREAS FOR USE WITH OPTIONAL FLOOR MOUNTED TYPE POWER AND CONTROL RECEPTACLES FOR SHOT CLOCK TIMERS.

\*\* LOCATE AT SET-UP PER INSTRUCTIONS

FLOOR ANCHORS REQUIRED (2) FOR USE WITH TIE-DOWN

REVISION	DATE	porter No.
MOVE ANCHORS	11-30-93	
CHANGE TIE-DOWN STYLE	10-1-97	CUSTOMER No.

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DATE 11-4-1992

**TIE-DOWN AND LEVELERS**  
**FLOOR ANCHOR SYSTEM SUPPLIED WITH**  
**No. 01535-108 PORTABLE BACKSTOP**

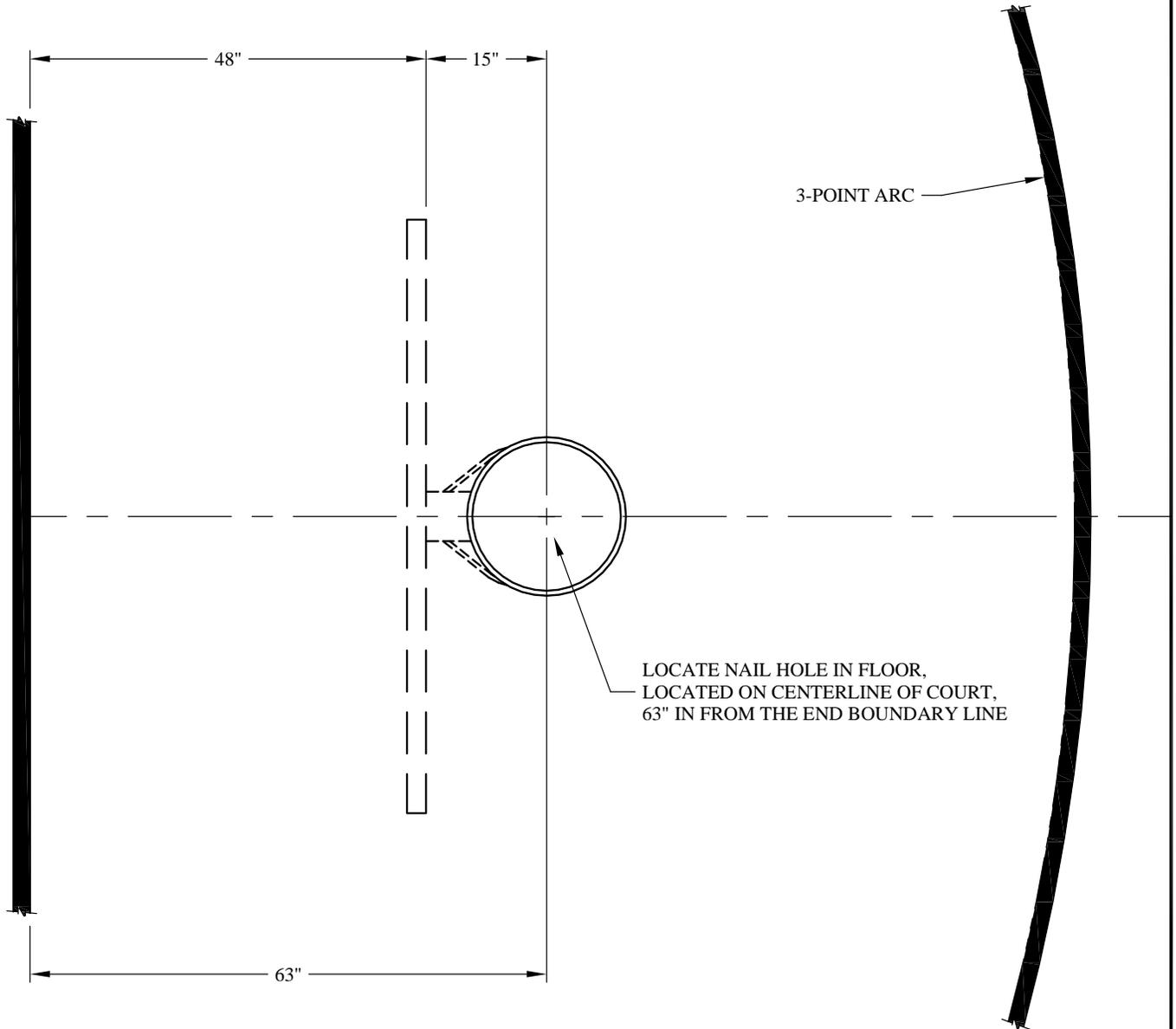
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PAGE No. B-1536-10

# LOCATING PORTABLE BACKSTOPS

## LOCATING PORTABLE BACKSTOPS ON PLAYING FLOOR



TO PROPERLY LOCATE A PORTABLE UNIT ON THE PLAYING FLOOR, DROP A PLUMB LINE FROM THE EXACT CENTER OF THE GOAL AND POSITION UNIT TO ALIGN WITH NAIL HOLE ON FLOOR. SHIFT BASE FROM SIDE TO SIDE AS REQUIRED TO CENTER ON COURT.

## GUARANTEE

All materials and workmanship of basic materials are guaranteed to be free and clear of defects. Defective material will be repaired or replaced, at our option, subsequent to complete information being received by us concerning the nature of the defect, for a period of ten years from the date of completion of the assembly/installation.

NAME OF DEALER:	NAME OF INSTALLATION COMPANY
PHONE #:	PHONE #:

Porter Order Number: \_\_\_\_\_

Date of Completion: \_\_\_\_\_

Care has been taken to fabricate and install this equipment to provide years of safe, satisfactory use and trouble-free service. The key to satisfactory service from this equipment is proper operation and care. Should any malfunctions occur, please notify your supervisor and call your local Porter Dealer or Representative.

 **WARNING:** This product can expose you to Urethane, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

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(888) 277-7778

SAVE THESE INSTRUCTIONS FOR FUTURE USE