

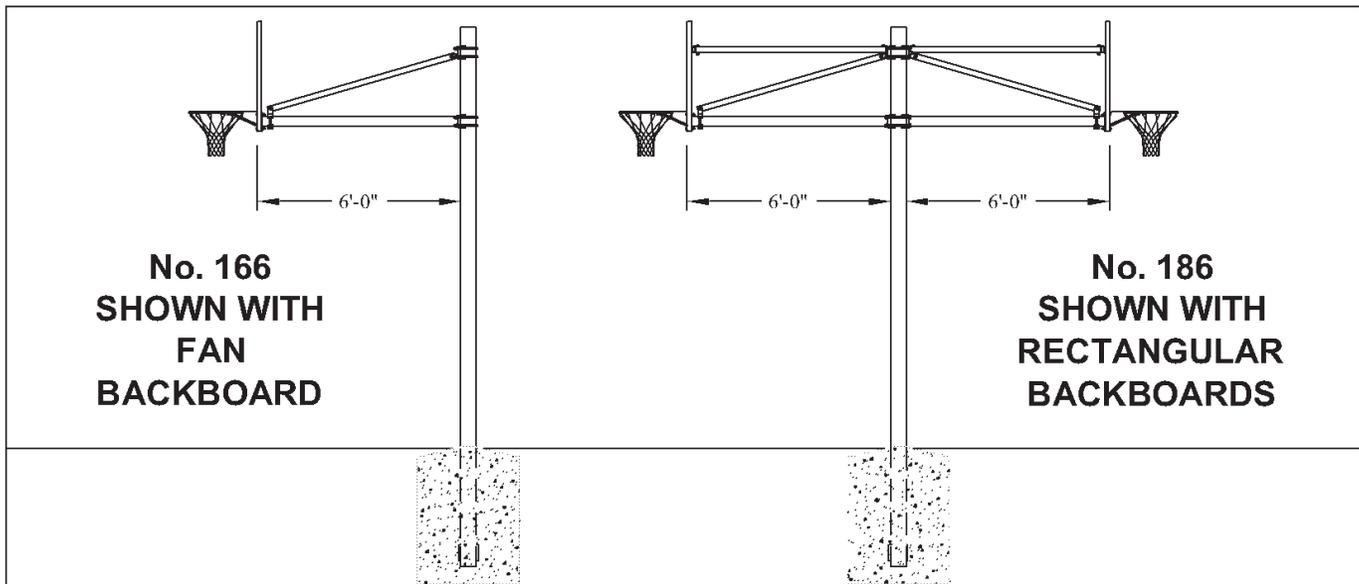
INSTALLATION INSTRUCTIONS

OUTDOOR BACKSTOP WITH SINGLE 6'-0" EXTENSION

No. 00166- _ _

OUTDOOR BACKSTOP WITH DOUBLE 6'-0" EXTENSION

No. 00186- _ _



WARNING

READ ALL INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING TO INSTALL THIS EQUIPMENT. INSTALLATION / ASSEMBLY OF THIS EQUIPMENT MUST BE DONE *ONLY BY ADULTS*, WHO ARE PHYSICALLY CAPABLE OF DOING SO.

INSTALLER NOTE:

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

WARNING

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.

- DO NOT HANG on the rim or any part of system, including backboard, support braces or net.
- During play, especially when performing dunk-type activities, keep player's face away from the backboard, rim and net. Serious injuries could occur if teeth/face come in contact with backboard, rim or net. All players must wear a mouth guard when performing dunk-type activities.
- Do not slide, climb or play on pole.
- During play, do not wear jewelry (rings, watches, necklaces, etc.). These objects may entangle in net.
- Keep organic material away from base of post. Grass, litter, etc. could cause corrosion and/or deterioration.
- Check post system for signs of corrosion (rust, pitting, chipping, etc.) and repaint with exterior enamel paint. If rust has penetrated through the steel anywhere, replace post immediately.
- Check system before each use for loose hardware, excessive wear, and signs of corrosion, and repair before use.
- Check system before each use for instability.
- Never allow play on damaged equipment.

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.

NOTE

These instructions detail installing a No. 166 or 186 Backstop permanently in a concrete footing. If using a No. 166 or 186 Backstop with Porter's No. 00275-000 Outdoor Ground Sleeve, consult factory for information on proper Post, and refer to instructions included with the No. 00275-000 Outdoor Ground Sleeve. ***DO NOT PROCEED.***

- If installing a No. 166 or 186 Backstop, proceed to Page 3 for Parts Lists and installation procedures.

PARTS LIST – No. 166 BACKSTOP WITH 5-9/16" DIAMETER POST AND SINGLE 6'-0" EXTENSION
No. 166 BACKSTOP With FAN BACKBOARD

No. 166 BACKSTOP With RECTANGULAR BACKBOARDS

Item No.	Qty.	Part Number	Description
1	1		Fan Backboard
2	1		Goal
3	1	UPRT 00259 0G0	Post
4	1	EXTN 00051 009	Extension Arm
5	1	TUBR 00461 0G0	Brace Tube
8	1	CLMP 00044 0G0	Post Clamp
9	1	HING 00009 009	Hinge
10	1	XHNG 3010P 009	Brace Hanger Assembly
11	1	HDWE 01140 0E0	1/2" x 3" Lg. Hex Head Cap Screw ♦
13	1	HDWE 02055 0E0	1/2" x 1-1/4" Lg. Carriage Bolt ♦
14	2	HDWE 04003 0E0	1/2" Lock washer
15	2	HDWE 03003 0E0	1/2" Hex Nut
20	4	UBOT 00012 0E0	5/8" U-Bolt (For 5-9/16" Dia. Pole)
22	8	HDWE 04006 0E0	5/8" Lock washer
23	8	HDWE 03012 0E0	5/8" Hex Nut
24	1	PCAP 00028 002	Pipe Cap

Item No.	Qty.	Part Number	Description
1	1		Rectangular Backboard
2	1		Goal
3	1	UPRT 00259 0G0	Post
4	1	EXTN 00051 009	Extension Arm
5	3	TUBR 00461 0G0	Brace Tube
6 F	2	BRCE 00068 009	Brace Clamp (Rect. Fiberglass Board)
6 G	2	BRCE 00078	Brace Clamp (Rect. Glass Board)
6 S	2	BRCE 00088 009	Brace Clamp (Rect. Steel Board)
7	1	ANGL 00119 009	Brace Angle
8	1	CLMP 00044 0G0	Post Clamp
9	1	HING 00009 009	Hinge
10	1	XHNG 3010P 009	Brace Hanger Assembly
11	3	HDWE 01140 0E0	1/2" x 3" Lg. Hex Head Cap Screw ♦
12	2	HDWE 01166 0E0	1/2" x 2-3/4" Lg. Hex Head Cap Screw ♦
13	1	HDWE 02055 0E0	1/2" x 1-1/4" Lg. Carriage Bolt ♦
14	8	HDWE 04003 0E0	1/2" Lock washer
15	8	HDWE 03003 0E0	1/2" Hex Nut
16 S	2	HDWE 01208 0E0	3/8" x 2-1/2" Lg. Hex Head Cap Screw ♦
17 F	4	HDWE 01124 0E0	3/8" x 1" Lg. Hex Head Cap Screw ♦
18	4	HDWE 04002 0E0	3/8" Lock washer
19	2	HDWE 03002 0E0	3/8" Hex Nut
20	4	UBOT 00012 0E0	5/8" U-Bolt (For 5-9/16" Dia. Pole)
22	8	HDWE 04006 0E0	5/8" Lock washer
23	8	HDWE 03012 0E0	5/8" Hex Nut
24	1	PCAP 00028 002	Pipe Cap
25 G	4	HDWE 05017	1/2" SAE Flat Washer
26 G	2	HDWE 01164 0E0	1/2" x 2-1/2" Lg. Hex Head Cap Screw ♦

Not all hardware required for this installation

♦ NOTE – Grade 5 Hardware

F – Rect. Fiberglass Backboard Only G – Rect. Glass Backboard Only
 S – Steel Backboard Only

PARTS LIST – No. 186 BACKSTOP WITH 5-9/16" DIAMETER POST AND DOUBLE 6'-0" EXTENSION
No. 186 BACKSTOP With FAN BACKBOARD

No. 186 BACKSTOP With RECTANGULAR BACKBOARD

Item No.	Qty.	Part Number	Description
1	2		Fan Backboard
2	2		Goal
3	1	UPRT 00259 0G0	Post
4	2	EXTN 00051 009	Extension Arm
5	2	TUBR 00461 0G0	Brace Tube
8	2	CLMP 00044 0G0	Post Clamp
9	2	HING 00009 009	Hinge
10	2	XHNG 3010P 009	Brace Hanger Assembly
11	2	HDWE 01140 0E0	1/2" x 3" Lg. Hex Head Cap Screw ♦
13	2	HDWE 02055 0E0	1/2" x 1-1/4" Lg. Carriage Bolt ♦
14	4	HDWE 04003 0E0	1/2" Lock washer
15	4	HDWE 03003 0E0	1/2" Hex Nut
21	8	HDWE 01277 0E0	5/8" x 9" Lg. Hex Head Cap Screw Grade 8
22	8	HDWE 04006 0E0	5/8" Lock washer
23	8	HDWE 03012 0E0	5/8" Hex Nut
24	1	PCAP 00028 002	Pipe Cap

Item No.	Qty.	Part Number	Description
1	2		Rectangular Backboard
2	2		Goal
3	1	UPRT 00259 0G0	Post
4	2	EXTN 00051 009	Extension Arm
5	6	TUBR 00461 0G0	Brace Tube
6 F	4	BRCE 00068 009	Brace Clamp (Rect. Fiberglass Board)
6 G	4	BRCE 00078	Brace Clamp (Rect. Glass Board)
6 S	4	BRCE 00088 009	Brace Clamp (Rect. Steel Board)
7	2	ANGL 00119 009	Brace Angle
8	2	CLMP 00044 0G0	Post Clamp
9	2	HING 00009 009	Hinge
10	2	XHNG 3010P 009	Brace Hanger Assembly
11	6	HDWE 01140 0E0	1/2" x 3" Lg. Hex Head Cap Screw ♦
12	4	HDWE 01166 0E0	1/2" x 2-3/4" Lg. Hex Head Cap Screw ♦
13	2	HDWE 02055 0E0	1/2" x 1-1/4" Lg. Carriage Bolt ♦
14	16	HDWE 04003 0E0	1/2" Lock washer
15	16	HDWE 03003 0E0	1/2" Hex Nut
16 S	4	HDWE 01208 0E0	3/8" x 2-1/2" Lg. Hex Head Cap Screw ♦
17 F	8	HDWE 01124 0E0	3/8" x 1" Lg. Hex Head Cap Screw ♦
18	8	HDWE 04002 0E0	3/8" Lock washer
19	4	HDWE 03002 0E0	3/8" Hex Nut
21	8	HDWE 01277 0E0	5/8" x 9" Lg. Hex Head Cap Screw Grade 8
22	8	HDWE 04006 0E0	5/8" Lock washer
23	8	HDWE 03012 0E0	5/8" Hex Nut
24	1	PCAP 00028 002	Pipe Cap
25 G	8	HDWE 050170E0	1/2" SAE Flat Washer
26 G	4	HDWE 01164 0E0	1/2" x 2-1/2" Lg. Hex Head Cap Screw ♦

Not all hardware required for this installation

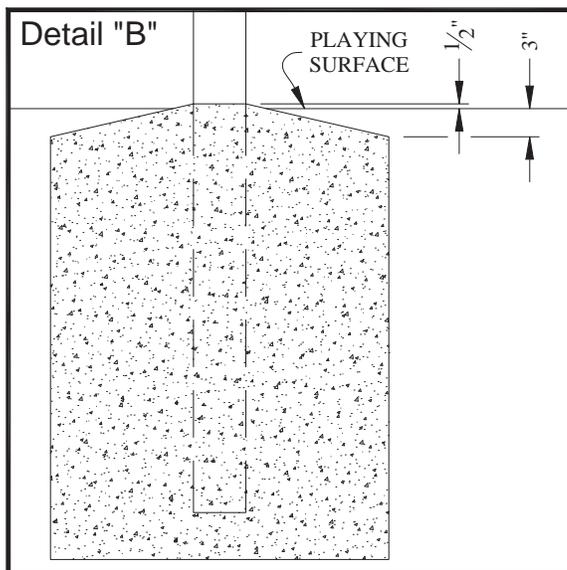
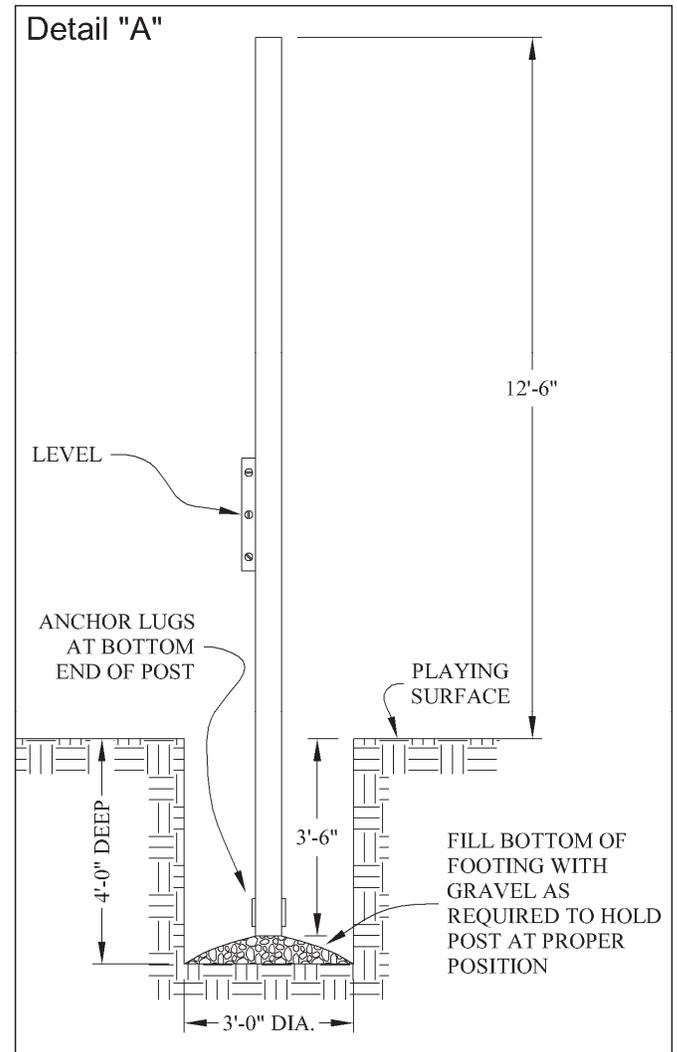
♦ NOTE – Grade 5 Hardware

F – Rect. Fiberglass Backboard Only G – Rect. Glass Backboard Only
 S – Steel Backboard Only

1. Check all items against Parts List on Page 3 to ensure all parts and hardware are available to complete the installation.

INSTALL POST

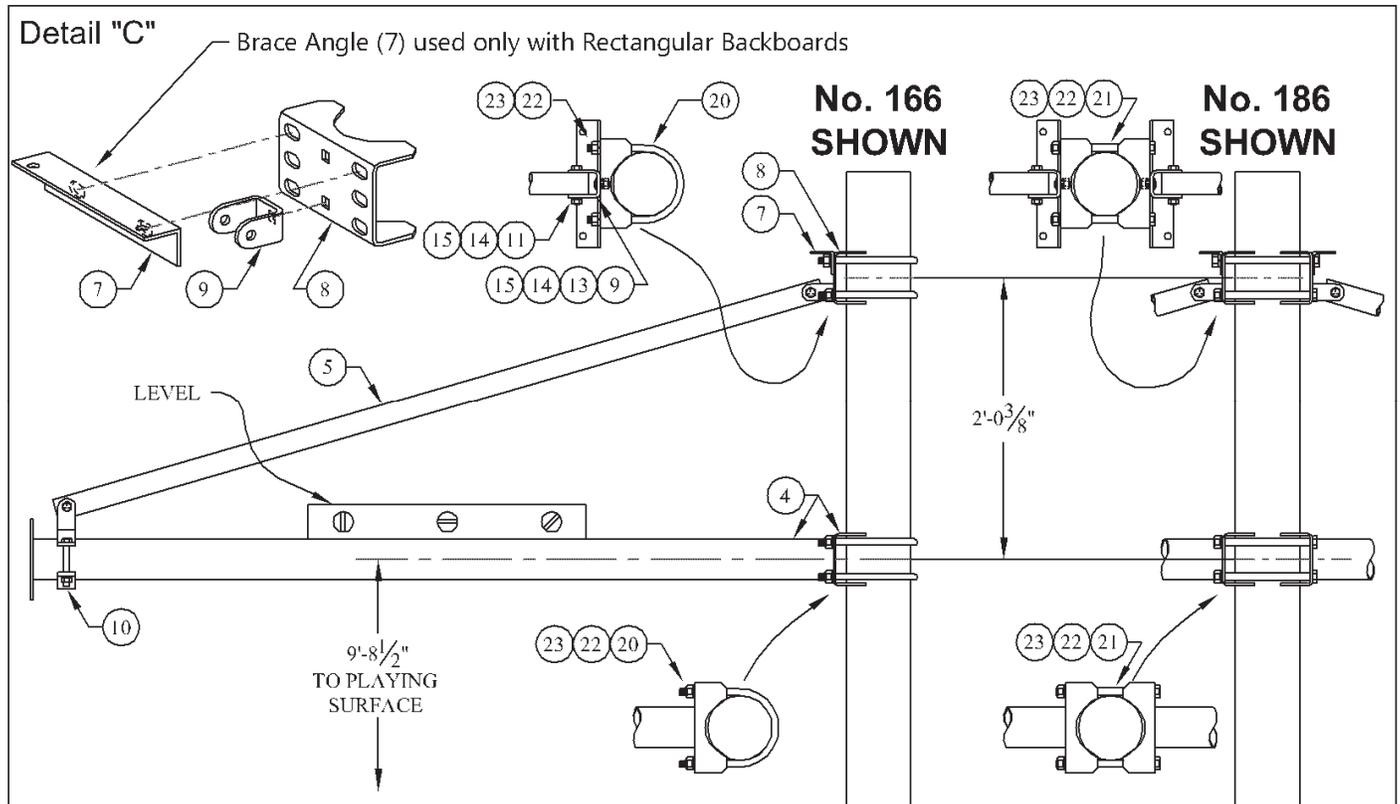
2. Locate center position of post. **CAUTION** – Contact your local utility companies to locate buried electrical, gas, water lines, etc. **BEFORE DIGGING HOLE FOR FOOTING.** Also, check for overhead utilities.
3. Dig a footing 3'-0" in diameter by 4'-0" in depth, centered on the final location of the post. **NOTE** – Footing size may have to be increased depending on soil conditions. See Detail "A".
4. Using at least two adults, tip the bottom end of the post (with anchor lugs) into the footing hole, and raise it to the vertical position. See Detail "A". Brace the post with 2x4's as required, to ensure the post remains plumb and at the proper height above the playing surface.
5. Center the post in the hole, and brace as required to support it while the concrete sets up. **NOTE** – The top of the post must be located 12'-6" above the playing surface. See Detail "A".
6. Pour concrete into the hole (approximately 1.1 cubic yards), tamping as it is poured to eliminate air pockets. Slope top of footing upward toward post so that top of footing at post is approximately 1/2" above playing surface. Slope footing away from post, to a point that is 3" below the playing surface. See Detail "B". This will ensure proper drainage, reducing the possibility of corrosion of the steel post. Do not cover the footing at the post with dirt, sod or anything else that could hold moisture.



7. While concrete is still wet, use a level on two sides of the post to ensure it is plumb.
8. Allow concrete to cure at least 24 hours before proceeding.

ASSEMBLE EXTENSION ARM AND BRACES TO POST

9. This step requires three adults. Assemble extension arm(s) to post, using hardware as indicated below. The centerline of the extension arm(s) must be located 9' 8-1/2" above playing surface. This will locate extension arm at the proper height, ensuring a 10'-0" goal height after assembly is completed. * See Detail "C".
- **No. 166 With Single Extension Arm** – Assemble extension arm to post using two u-bolts (20), 5/8" lock washers (22) and 5/8" hex nuts (23).
 - **No. 186 With Double Extension Arms** – Assemble extension arms to post using four 5/8" x 8-1/2" lg. hex head cap screws (21), 5/8" lock washers (22) and 5/8" hex nuts (23).
- * A goal height lower than 10'-0" can be obtained by mounting the extension arm(s) at a lower height on the post (by decreasing the 9' 8-1/2" dimension).



10. Assemble hinge (9) to lower center hole on post clamp (8), using 1/2" x 1-1/4" lg. carriage bolt (13), 1/2" lockwasher (14) and 1/2" hex nut (15). See Detail "C".
11. Assemble hinge/post clamp assembly from Step No. 10 to post, centered 2' 0-3/8" above extension arm. For rectangular backboards, assemble brace angle (7) to upper slots on post clamp (8). Use hardware as indicated below. See Detail "C".
- **No. 166 With Single Extension Arm** – Assemble using two u-bolts (20), 5/8" lockwashers (22) and 5/8" hex nuts (23).
 - **No. 186 With Double Extension Arms** – Assemble using four 5/8" x 8-1/2" lg. hex head cap screws (21), 5/8" lockwashers (22) and 5/8" hex nuts (23).
12. Loosely assemble brace hanger assembly (10) to extension arm (4), near plate for backboard, as shown in Detail "C".
13. Assemble upper end of brace tube (5) to hinge (9), using 1/2" x 3" lg. hex head cap screw (11), 1/2" lockwasher (14) and 1/2" hex nut (15). See Detail "C".
14. Assemble lower end of brace tube (5) to brace hanger assembly (10), using hardware that is supplied with brace hanger assembly. Slide brace hanger assembly (10) back and forth as required, to level the extension arm. Make sure that extension arm is level and at the proper height (9' 8-1/2"), then tighten brace hanger assembly (10) securely to extension arm. See Detail "C".

ASSEMBLE BACKBOARD AND GOAL

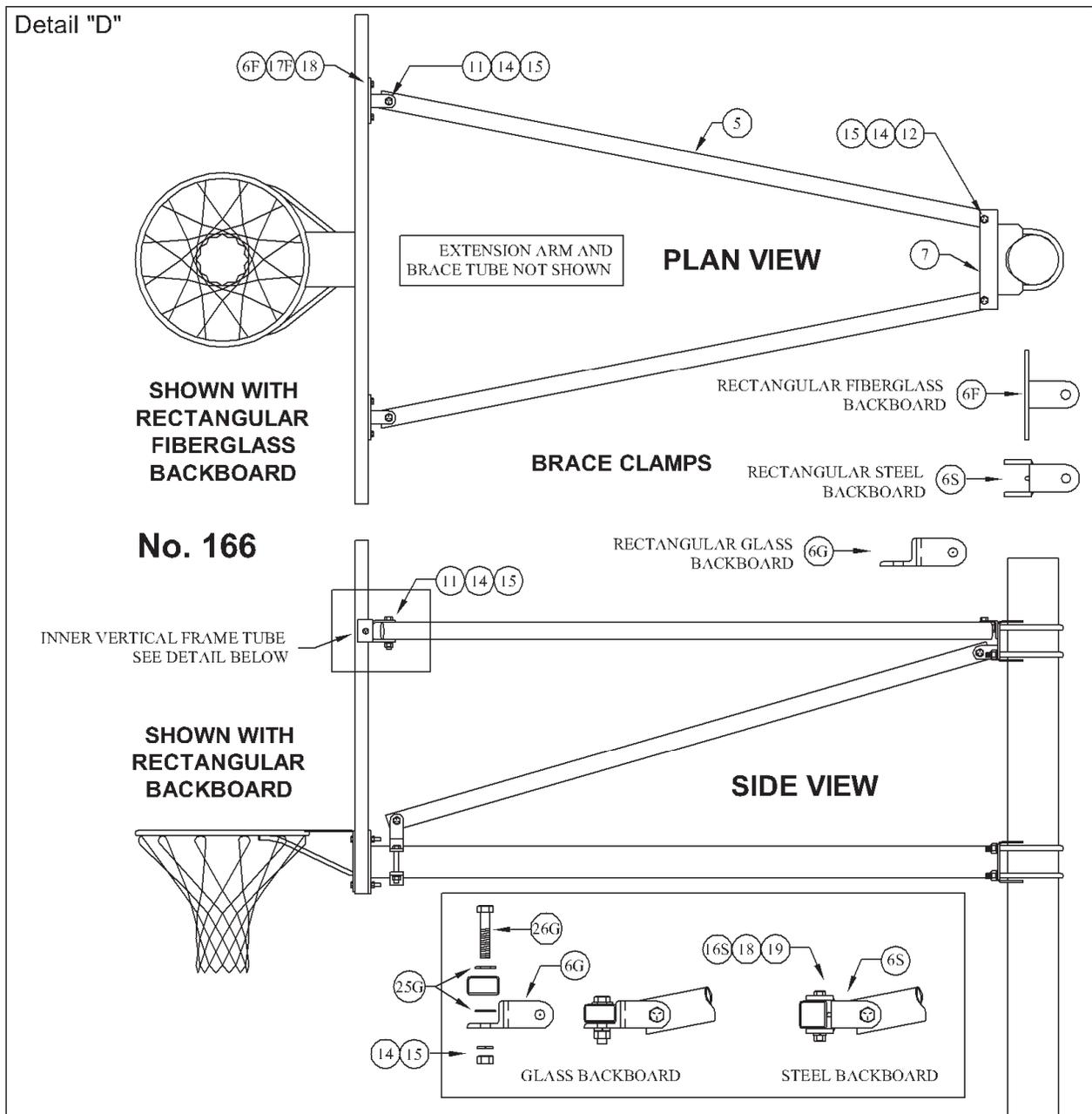
15. Assemble backboard and goal to extension arm using the four bolts furnished with the goal. Lay a level horizontally across the top of the backboard and across the goal. Rotate backboard and goal as required until both are level. When level, tighten hardware securely. See Detail "D".

Proceed to Step No. 19 if installing a Fan Backboard.

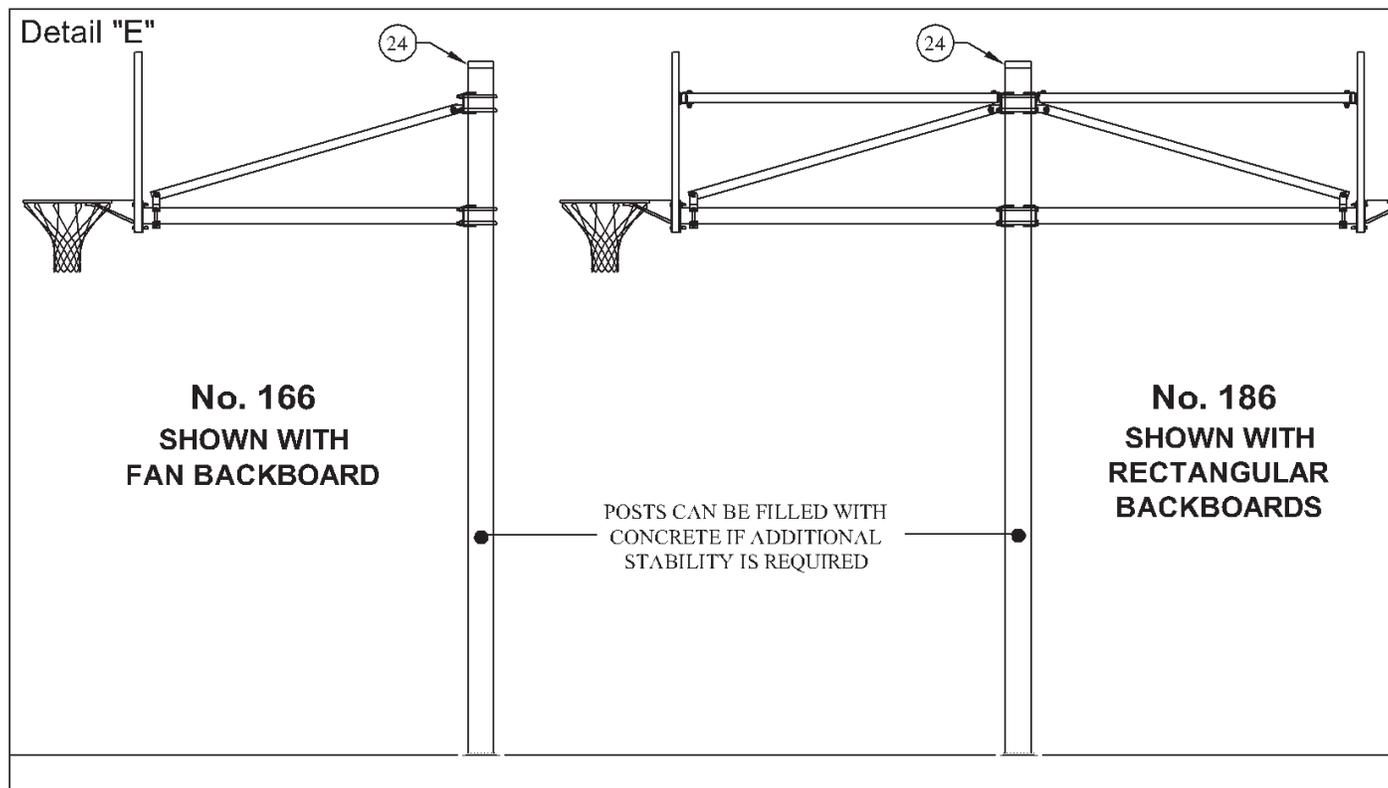
ASSEMBLE UPPER RECTANGULAR BACKBOARD BRACE TUBES

16. Loosely assemble brace clamps (6) to backboard as shown in Detail "D".

- **Rectangular Fiberglass Backboards** – Use brace clamp 6F, 3/8" x 1" lg. hex head cap screws (17) and 3/8" lock washers (18).
- **Rectangular Glass Backboards** – Use brace clamp 6G, 1/2" x 2-1/2" lg. hex head cap screws (26G), 1/2" SAE flat washers (25G), 1/2" lock washers (14) and 1/2" hex nuts (15).
- **Rectangular Steel Backboards** – Use brace clamp 6S, 3/8" x 2-1/2" lg. hex head cap screws (16), 3/8" lock washers (18) and 3/8" hex nuts (19).



- 17. Loosely assemble back end of brace tubes (5) to brace angle (7), using 1/2" x 2-3/4" lg. hex head cap screw (12), 1/2" lock washer (14) and 1/2" hex nut (15). Loosely assembly front end of brace tubes to brace clamps (6), using 1/2" x 3" lg. hex head cap screw (11), 1/2" lock washer (14) and 1/2" hex nut (15). See Detail "D".
- 18. Tighten all hardware from Steps No. 16 and 17.
- 19. IMPORTANT – Install pipe cap (24) on top of post. Failure to do so will allow water inside post, causing corrosion of the post, and structural damage to the post during freezing conditions. See Detail "E".



- 20. NOTE – If additional stability is required from backstop, the post can be filled with concrete. NOTE – Be sure to reinstall the pipe cap after concrete is poured.
- 21. Installation/assembly of backstop is now complete. Install optional post and/or backboard padding as required.

⚠ WARNING: This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

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