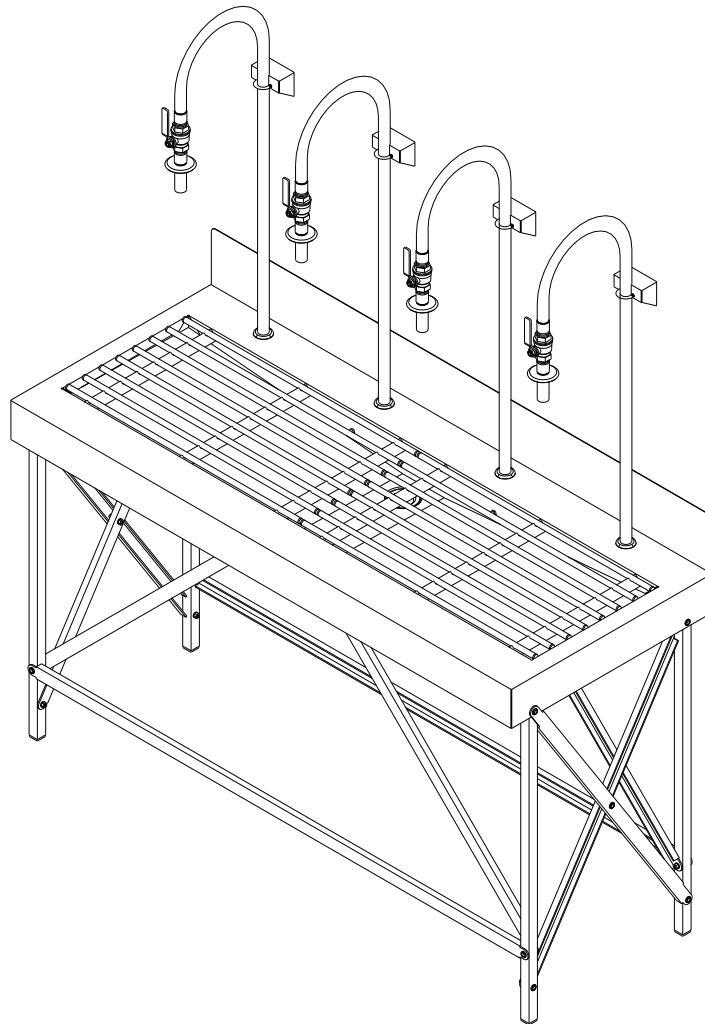




## PRECISION BOTTLE FILLER-4 PARTS & ASSEMBLY INSTRUCTIONS

FOR MODEL: PWS BF-4  
PART # 900001  
SERIES 0002

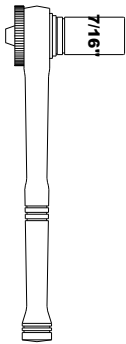


## PRECISION WATER SYSTEMS

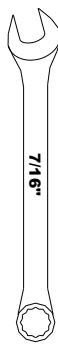
MANUFACTURED BY:  
PRECISION DESIGN & MANUFACTURING INC.  
10331 - 105<sup>th</sup> STREET  
WESTLOCK, ALBERTA, CANADA, T7P 2H7  
e-mail: [pdm@telusplanet.net](mailto:pdm@telusplanet.net)  
PHONE (780) 349-4933

1. TOOLS REQUIRED FOR BOTTLE FILLER-4 (BF-4) ASSEMBLY: A 7/16" SOCKET WITH RATCHET, A 7/16" WRENCH, A 10" PIPE WRENCH AND A 12" ADJUSTABLE WRENCH (SEE TOOLS DIAGRAM).

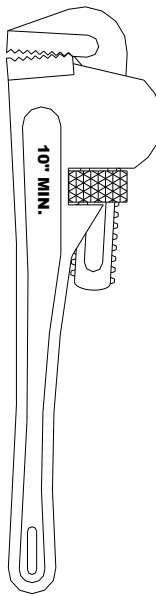
**TOOLS DIAGRAM**



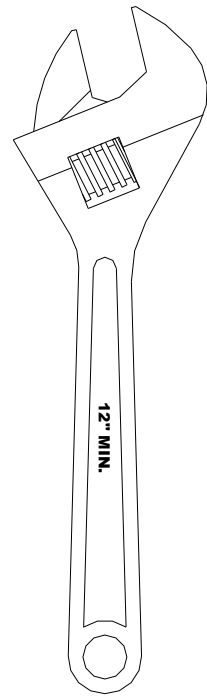
**7/16" SOCKET WITH RATCHET**



**7/16" WRENCH**

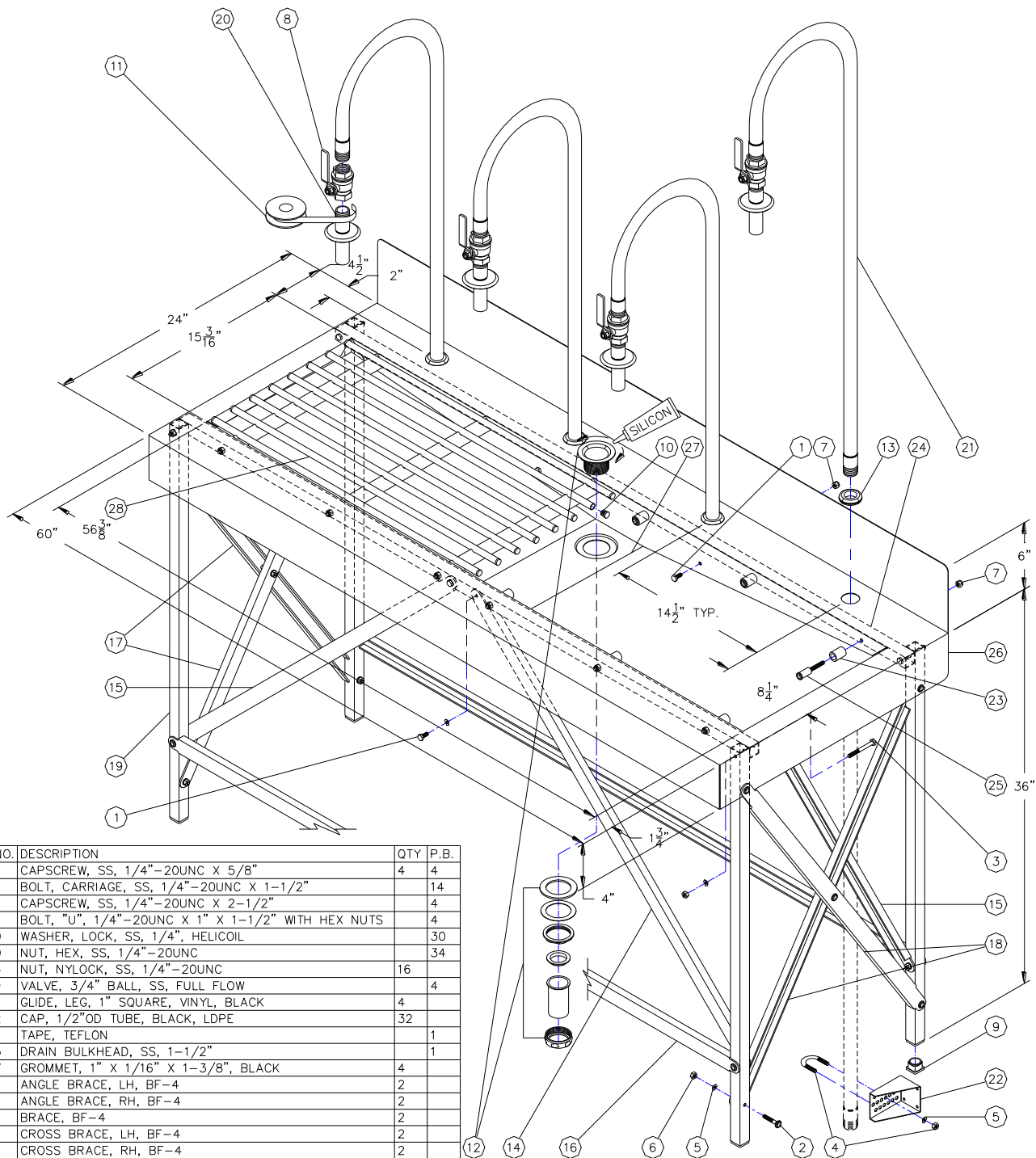


**10" PIPE WRENCH**



**12" ADJUSTABLE WRENCH**

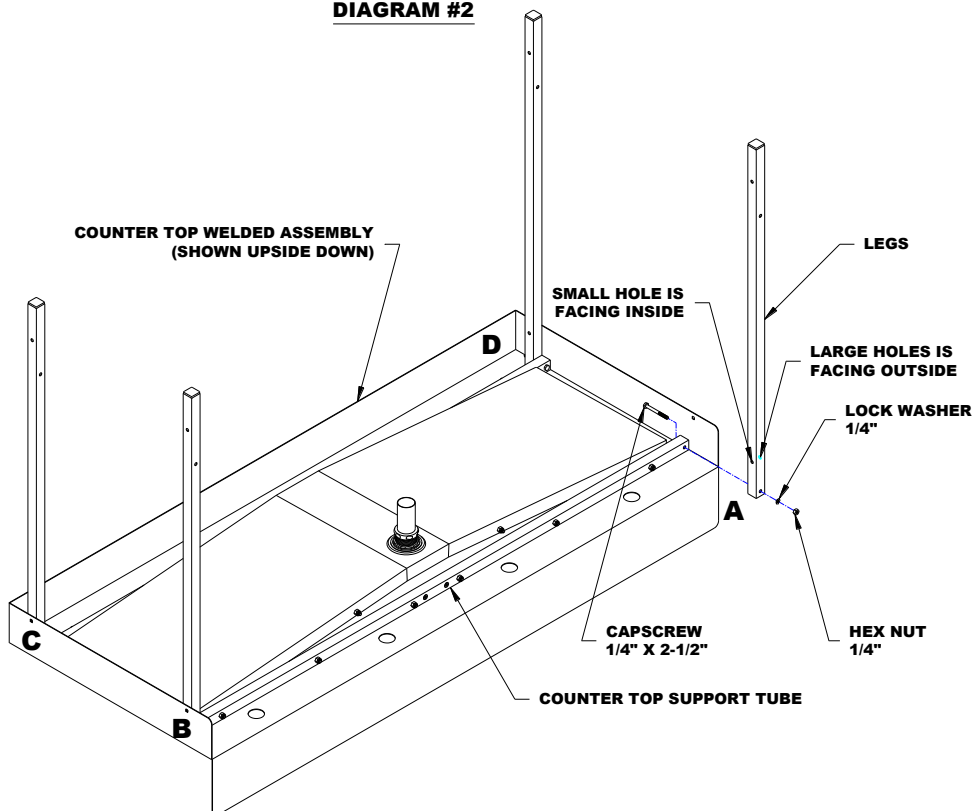
2. (A) BEFORE YOU ASSEMBLE YOUR PRECISION BF-4, SEE DIAGRAM #1 AND THE PARTS LIST FOR ALL OF THE NECESSARY PARTS. (B) PEEL OFF ALL OF THE PROTECTIVE PLASTIC FROM THE STAINLESS STEEL AND ALUMINUM PARTS.



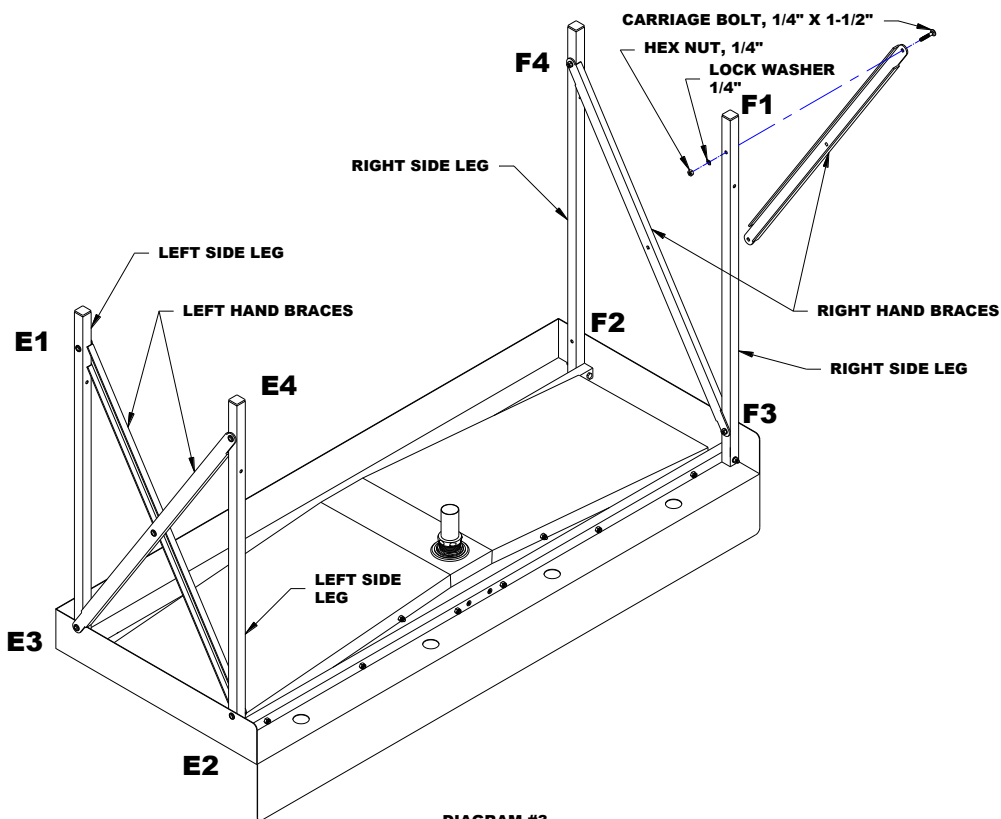
| NO. | PART NO. | DESCRIPTION                                       | QTY | P.B. |
|-----|----------|---------------------------------------------------|-----|------|
| 1   | 014006   | CAPSCREW, SS, 1/4"-20UNC X 5/8"                   | 4   | 4    |
| 2   | 014016   | BOLT, CARRIAGE, SS, 1/4"-20UNC X 1-1/2"           | 14  |      |
| 3   | 014017   | CAPSCREW, SS, 1/4"-20UNC X 2-1/2"                 | 4   |      |
| 4   | 016029   | BOLT, "U", 1/4"-20UNC X 1" X 1-1/2" WITH HEX NUTS | 4   |      |
| 5   | 024000   | WASHER, LOCK, SS, 1/4", HELICOIL                  | 30  |      |
| 6   | 025000   | NUT, HEX, SS, 1/4"-20UNC                          | 34  |      |
| 7   | 025004   | NUT, NYLOCK, SS, 1/4"-20UNC                       | 16  |      |
| 8   | 030039   | VALVE, 3/4" BALL, SS, FULL FLOW                   | 4   |      |
| 9   | 054017   | GLIDE, LEG, 1" SQUARE, VINYL, BLACK               | 4   |      |
| 10  | 054032   | CAP, 1/2"OD TUBE, BLACK, LDPE                     | 32  |      |
| 11  | 080109   | TAPE, TEFLON                                      | 1   |      |
| 12  | 080223   | DRAIN BULKHEAD, SS, 1-1/2"                        | 1   |      |
| 13  | 080247   | GROMMET, 1" X 1/16" X 1-3/8", BLACK               | 4   |      |
| 14  | 900152   | ANGLE BRACE, LH, BF-4                             | 2   |      |
| 15  | 900153   | ANGLE BRACE, RH, BF-4                             | 2   |      |
| 16  | 900154   | BRACE, BF-4                                       | 2   |      |
| 17  | 900161   | CROSS BRACE, LH, BF-4                             | 2   |      |
| 18  | 900162   | CROSS BRACE, RH, BF-4                             | 2   |      |
| 19  | 900166   | TUBE, LEG, BF-4                                   | 4   |      |
| 20  | 900180   | FLOW NOZZLE WA, 1"OD X 2-3/4"                     | 4   |      |
| 21  | 900193   | FAUCET TUBE WA, BF                                | 4   |      |
| 22  | 900194   | BRACKET, LOWER FAUCET SUPPORT                     | 4   |      |
| 23  | 900198   | TUBE, SILICONE, 1/2"ID X 3/4"OD                   | 12  |      |
| 24  | 900228   | SUPPORT TUBE W/CLINCH NUT, BF-4                   | 2   |      |
| 25  | 900229   | STUB WA, GRATE SUPPORT, BF-4                      | 12  |      |
| 26  | 900230   | COUNTER TOP, BF-4, S2                             | 1   |      |
| 27  | 900231   | TRAY, BF-4, S2                                    | 1   |      |
| 28  | 900233   | GRATE WA, BF-4, S2                                | 2   |      |
| 29  | 097109   | MANUAL (NOT SHOWN)                                | 1   |      |

3. LAY DOWN CARDBOARD TO PROTECT YOUR FLOOR AND TURN THE COUNTER TOP UP SIDE DOWN. FASTEN THE 4-LEGS (A-D) TO THE COUNTER TOP SUPPORT TUBE WITH 4-CAPSCREWS  $\frac{1}{4}$ " X 2-1/2", 4-LOCK NUTS  $\frac{1}{4}$ " AND 4-HEX NUTS  $\frac{1}{4}$ " (SEE DIAGRAM #2). FINGER TIGHT ONLY AT THIS POINT.

**DIAGRAM #2**

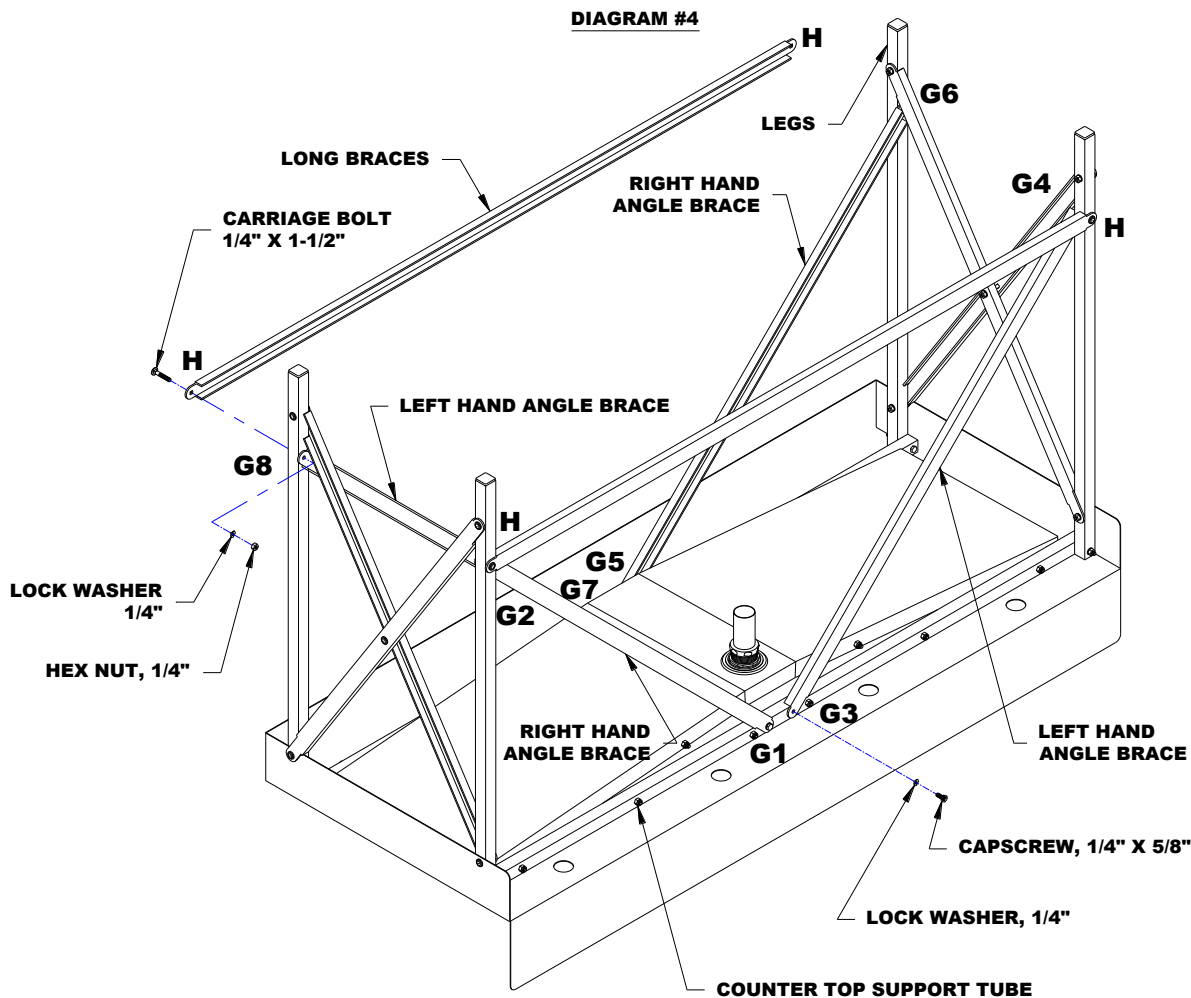


4. FASTEN THE 2-RIGHT HAND BRACES F1-F4 (BRACE FLANGES TOWARDS EACH OTHER) TO THE RIGHT SIDE LEGS AND THE 2-LEFT HAND BRACES E1-E4 TO THE LEFT SIDE LEGS WITH 10-CARRIAGE BOLTS  $\frac{1}{4}$ " X 1-1/2", 10-LOCK WASHERS  $\frac{1}{4}$ " AND 10-HEX NUTS  $\frac{1}{4}$ ". FINGER TIGHT ONLY AT THIS POINT (SEE DIAGRAM #3).

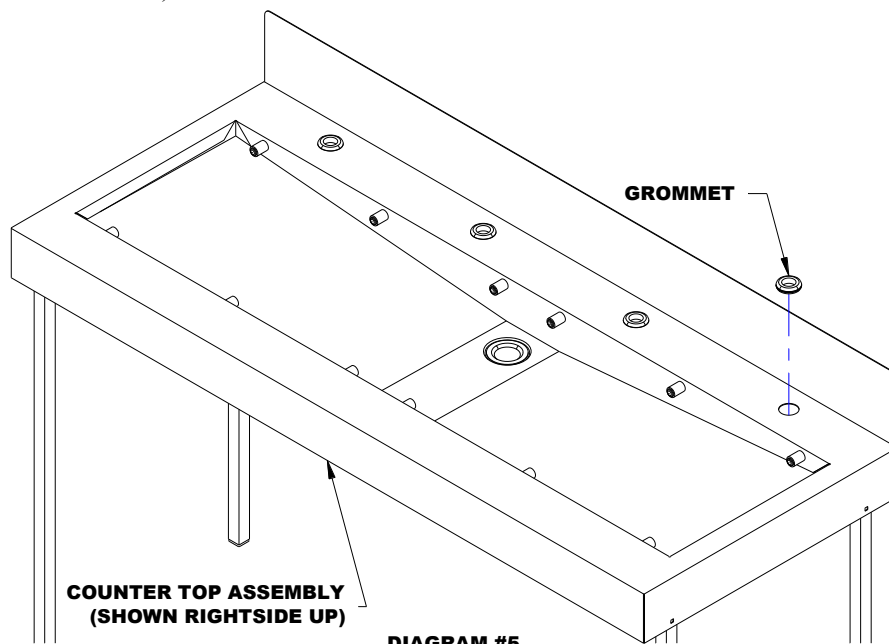


**DIAGRAM #3**

5. FASTEN THE 2-LONG BRACES H (BRACE FLANGES TOWARDS EACH OTHER) TO THE FRONT AND REAR LEGS ALONG WITH THE 2-RIGHT HAND ANGLE BRACES G1-G2/G5-G6 AND 2-LEFT HAND BRACES G3-G4/G7-G8 WITH 4-CARRIAGE BOLTS  $\frac{1}{4}$ " X 1-1/2", 4-LOCK WASHERS  $\frac{1}{4}$ " AND 4-HEX NUTS  $\frac{1}{4}$ ". FINGER TIGHT ONLY AT THIS POINT. FASTEN THE UPPER HOLES ON THE ANGLE BRACES TO THE COUNTER TOP SUPPORT TUBE WITH 4-CAPSCREWS  $\frac{1}{4}$ " X 1" AND 4-LOCK WASHERS  $\frac{1}{4}$ " (SEE DIAGRAM #4). NOW TIGHTEN ALL BOLTS.

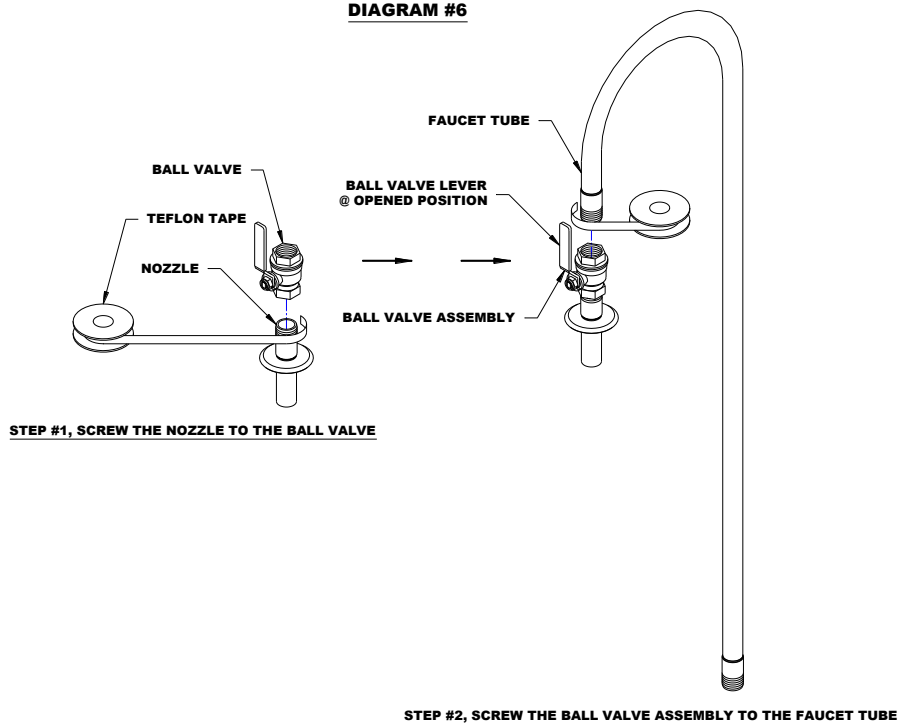


6. TURN THE BOTTLE FILLER-4 (BF-4) RIGHTSIDE UP AND INSERT 4 GROMMETS TO THE COUNTER FAUCET HOLES (SEE DIAGRAM #5).



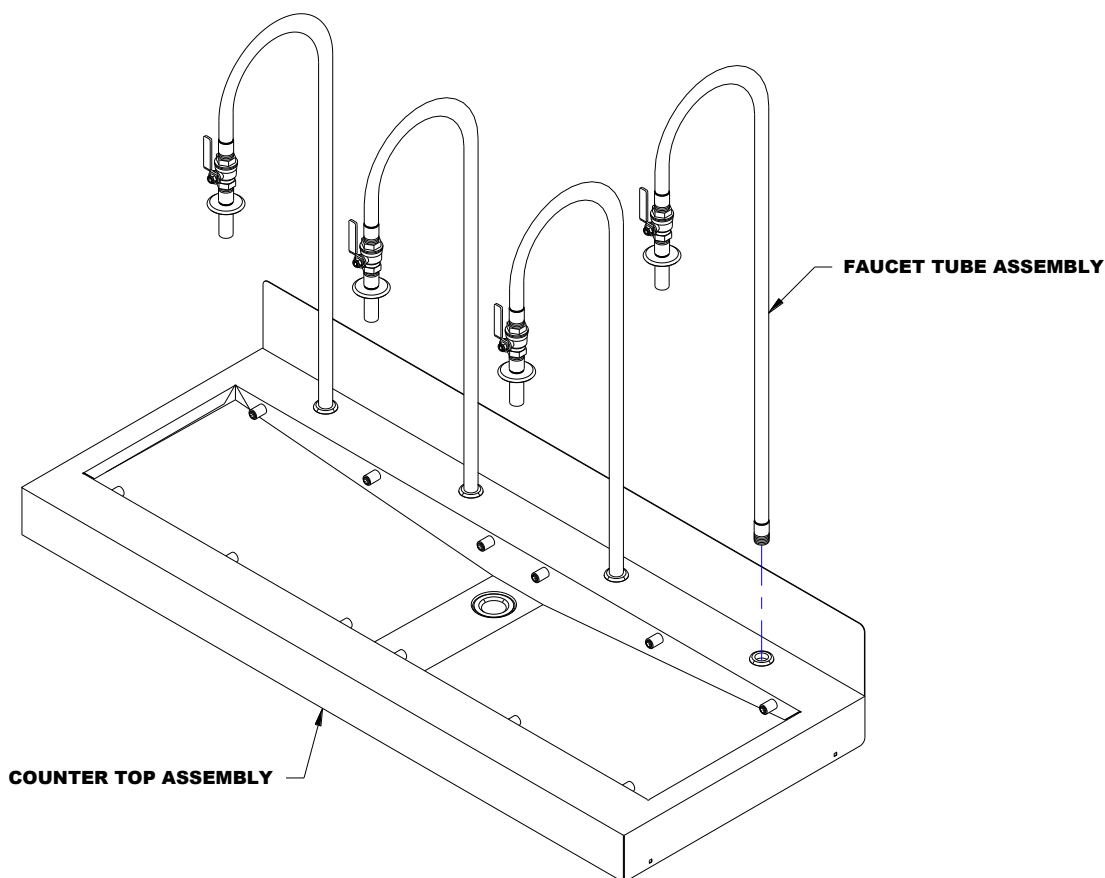
7. APPLY TEFLON TAPE OR PIPE SEALANT AROUND ALL MALE PIPE THREADS ON THE FAUCET COMPONENTS. TIGHTEN THE NOZZLE TO THE BALL VALVE (WITH HANDLE IN UPRIGHT POSITION) AND THEN THE BALL VALVE TO THE FAUCET TUBE, BE SURE THE HANDLE ON THE BALL VALVE IS FACING TO THE FRONT AND POINTING UPWARD WHEN IT'S IN THE OPENED POSITION (SEE DIAGRAM #6).

**DIAGRAM #6**



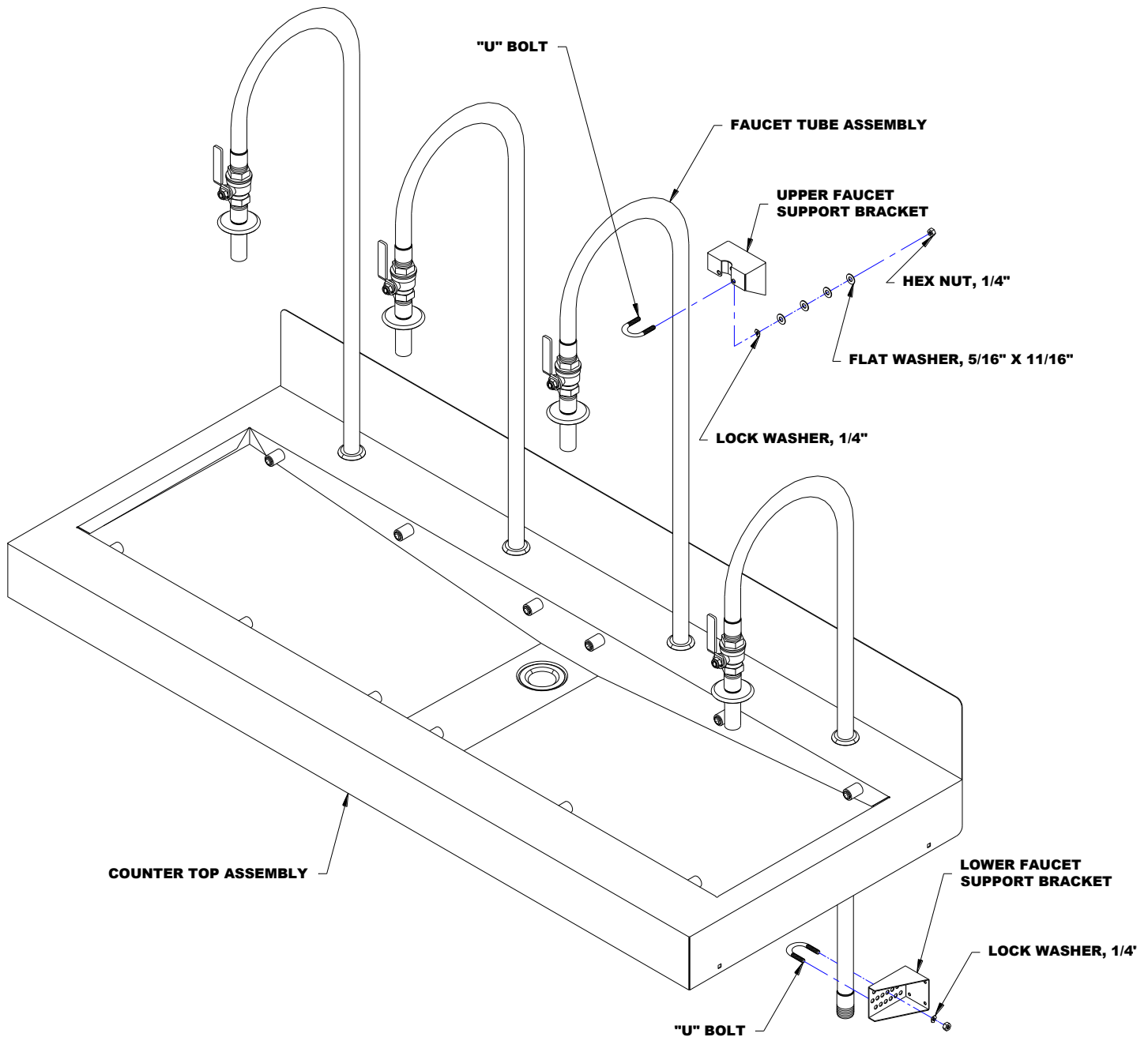
8. INSERT EACH FAUCET TUBE ASSEMBLY INTO GROMMET HOLE ON THE COUNTER TOP ASSEMBLY (SEE DIAGRAM #7).

**DIAGRAM #7**

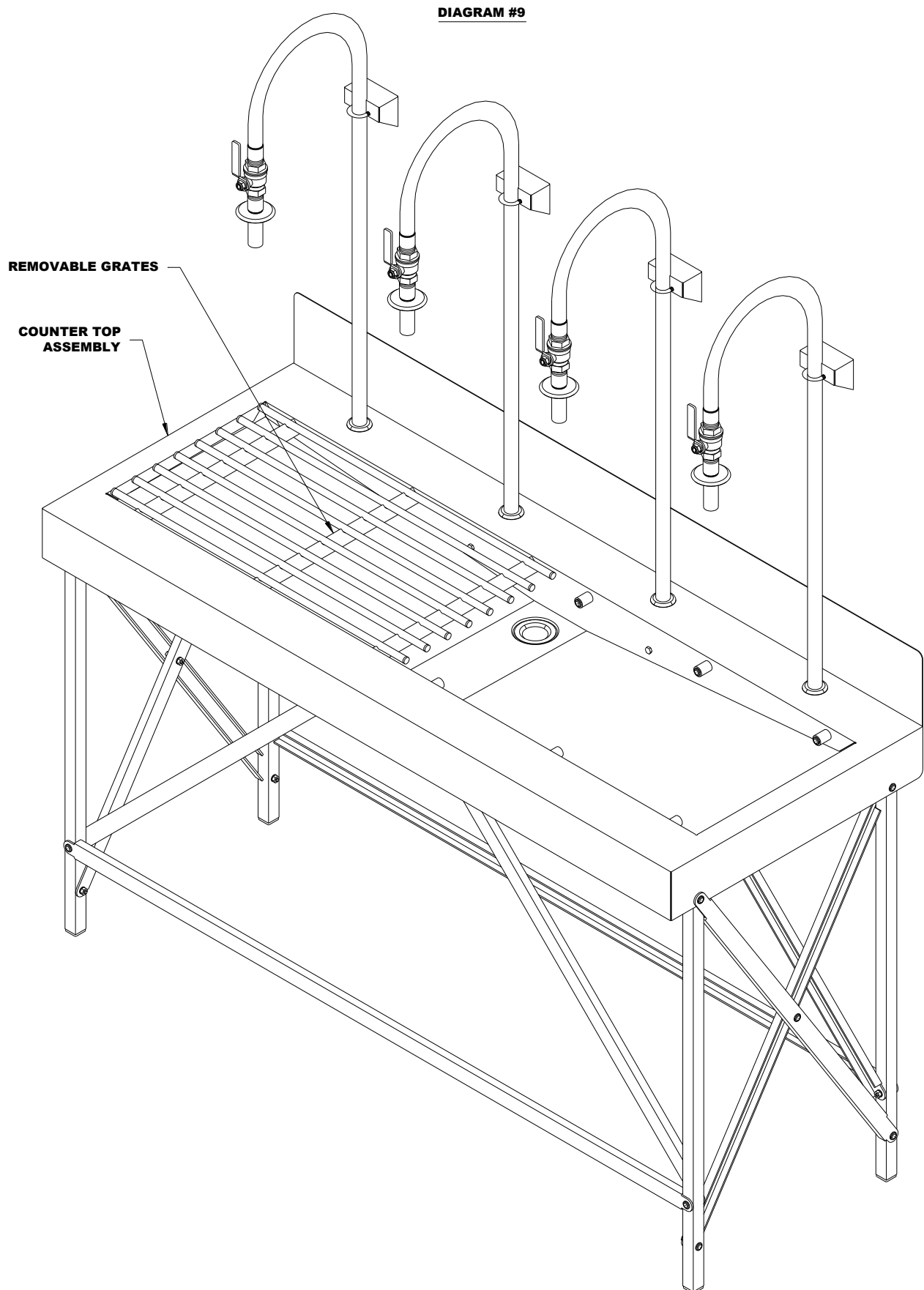


9. FASTEN EACH FAUCET SUPPORT BRACKET (UPPER AND LOWER) TO THE FAUCET TUBE ASSEMBLY WITH 1-“U” BOLTS  $\frac{1}{4}$ ” X 1” X 1- $\frac{1}{2}$ ”, 2-LOCK WASHERS  $\frac{1}{4}$ ”, 8-FLAT WASHERS  $\frac{5}{16}$ ” X  $\frac{11}{16}$ ” AND 2-HEX NUTS ON THE UPPER FAUCET SUPPORT BRACKET AND  $\frac{1}{4}$ ” AND 1-“U” BOLTS  $\frac{1}{4}$ ” X 1” X 1- $\frac{1}{2}$ ”, 2-LOCK WASHERS  $\frac{1}{4}$ ” AND 2-HEX NUTS ON THE LOWERR FAUCET SUPPORT BRACKET (SEE DIAGRAM #8).

**DIAGRAM #8**

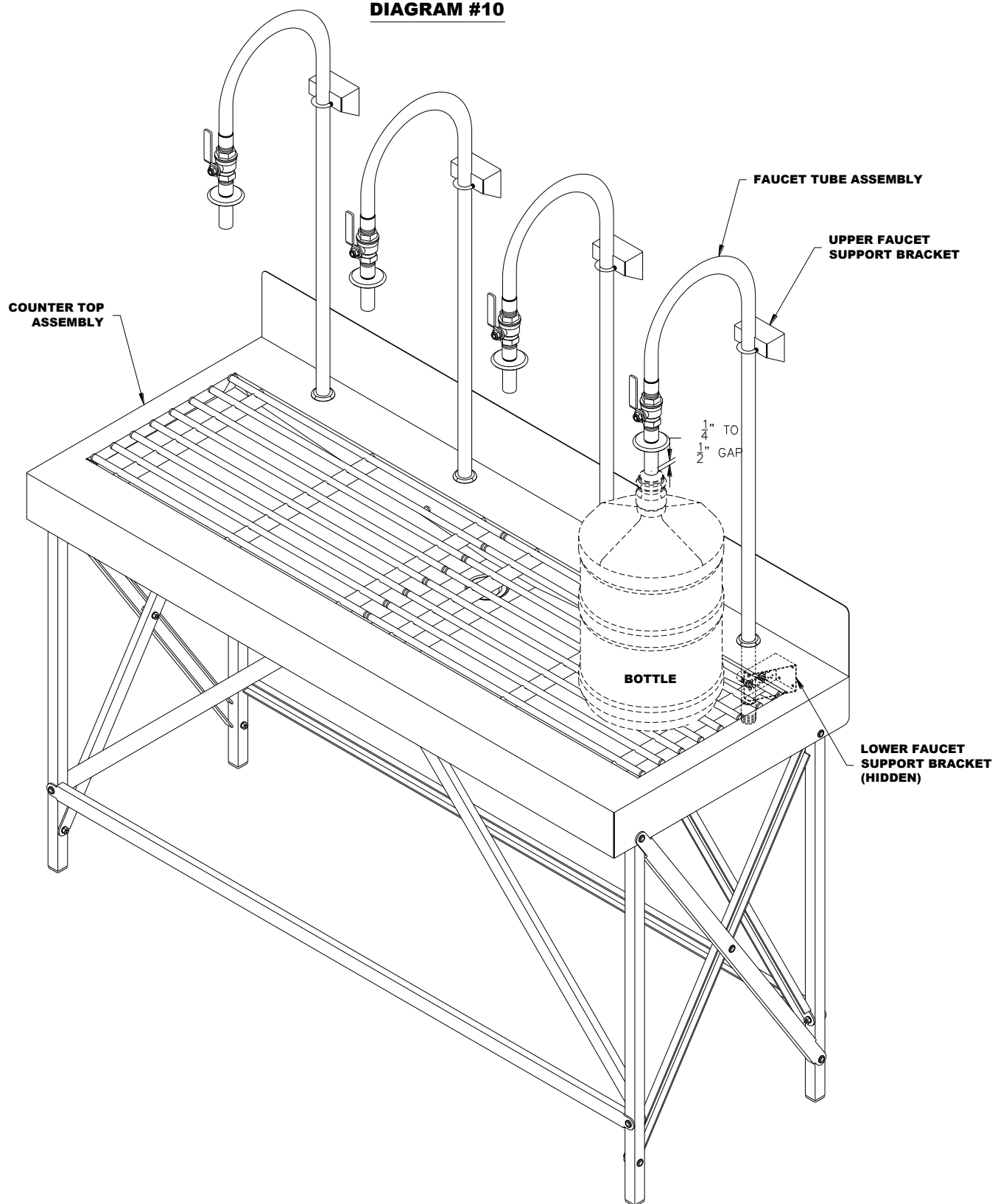


10. INSERT ALL 2-GRATES ONTO THE 6-STUB GRATE SUPPORTS (SEE DIAGRAM #9).



11. TO ADJUST THE FAUCET HEIGHT, PLACE THE BOTTLE ON THE GRATE AND LEAVE ABOUT  $\frac{1}{4}$ " TO  $\frac{1}{2}$ " GAP BETWEEN THE BOTTOM OF THE NOZZLE AND THE TOP OF THE BOTTLE SPOUT THEN FASTEN THE UPPER FAUCET SUPPORT BRACKET TO THE WALL WITH 3-WOOD SCREW (NOT SUPPLIED) AT THE NEAR TOP OF THE FAUCET TUBE ASSEMBLY AND FASTEN THE BOTTOM END OF THE FAUCET TUBE ASSEMBLY TO THE WALL WITH 4-WOOD SCREWS (NOT SUPPLIED) (SEE DIAGRAM #10).

**DIAGRAM #10**



12. THE FILL STATION IS NOW READY FOR WATER CONNECTIONS.

