

ELKAY®

Enhanced

INSTALLATION & USE MANUAL

LZ™ Series Bottle Filling Stations & Coolers CONNECTED READY



* Versatile cooler design allows units to be installed either left-hand high and right-hand low or left-low and right high. Basin change may be required. See desired rough-in to help determine if the basin change is necessary.
Important: The refrigerated coolers must be hung on the right side.

STANDARD ROUGH-IN FOR LEFT-HAND HIGH, BOTTLE FILLER LOW MODELS
 BOSQUEJO ESTÁNDAR PARA MODELOS CON LA LLENADORA DE BOTELLAS BAJA Y LA PARTE IZQUIERDA ALTA
 DISPOSITION DE CANALISATIONS STANDARD, POUR INSTALLATION GAUCHE HAUTE ET REMPLISSEUSE DE BOUTEILLE BASSE

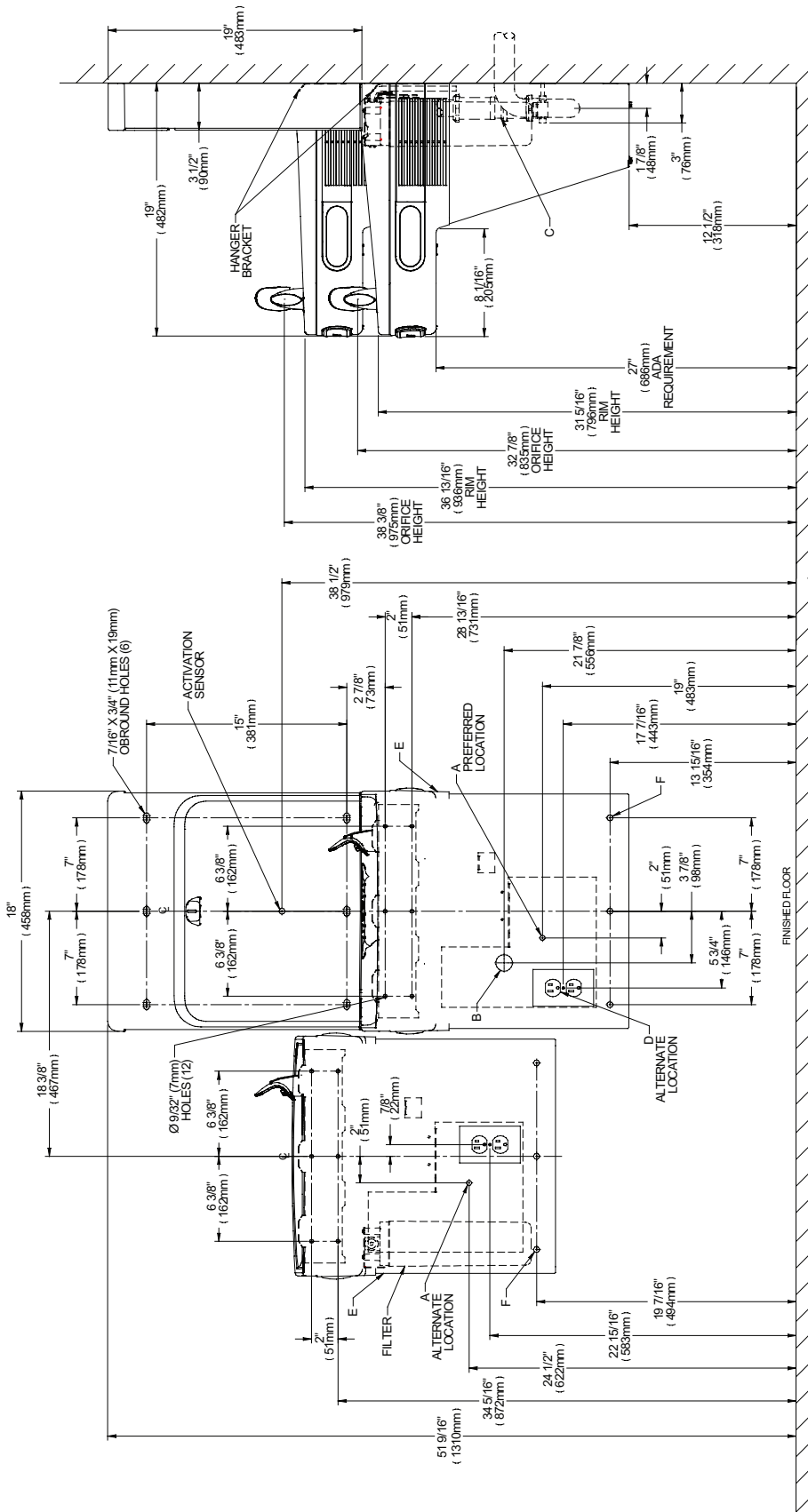


FIG. 1

REDUCE HEIGHT BY 3 INCHES (3") FOR INSTALLATION OF CHILDREN'S ADA COOLER
 Reduzca la altura en 76 mm (3") para la instalación del bebedero con clasificación ADA para niños
 Réduisez la hauteur de 76 mm (3 PO) pour les installations à la norme ADA enfants

LEGEND/LEYENDA/LÉGENDE

A = RECOMMENDED WATER SUPPLY LOCATION 3/8 O.D. UNPLATED COPPER TUBE CONNECT STUB WITH SHUT OFF (BY OTHERS) 3 IN. (76mm)
MAXIMUM OUT FROM WALL

UBICACIÓN RECOMENDADA DEL SUMINISTRO DE AGUA. TUBERÍA DE COBRE SIN REVESTIMIENTO DE 3/8" DE DIÁM. EXT. ADAPTADOR DE CONEXIÓN CON VALVULA DE CIERRE (DE TERCEROS) MÁXIMO A 76 mm (3") DE LA PARED.
 EMPLACEMENT RECOMMANDÉ DE L'ARRIVÉE D'EAU. TUBE EN CUIVRE NON PLAQUÉ DE 3/8 PO DE DIA. EXT. RACCORDEUR À LA CONDUITE D'ALIMENTATION AVEC UN ROBINET D'ARRÊT (NON FOURNI) À 76 mm (3 PO) MAXIMUM DU MUR

B = RECOMMENDED LOCATION FOR WASTE OUTLET 1-1/2" O.D. DRAIN STUB 2 IN. OUT FROM WALL
 UBICACIÓN RECOMENDADA DE LA SALIDA DE DESECHOS. ADAPTADOR DE DESAGÜE DE 1-1/2" DE DIÁM. EXT. A 51 mm (2") DE LA PARED.

EMPLACEMENT RECOMMANDÉ DE LA SORTIE D'ÉCOULEMENT. CONDUITE D'ÉVACUATION DE 1-1/2 PO DE DIA. EXT. DÉPASSANT DE 51 mm (2 PO) HORS DU MUR

C = 1-1/2" TRAP NOT FURNISHED

NO SE INCLUYE SIFÓN DE 1-1/2"
 SIPHON DE 1-1/2 PO NON FOURNI

LEGEND/LEYENDA/LÉGENDE

D = ELECTRICAL SUPPLY (3) WIRE RECESSED BOX DUPLEX OUTLET**

SUMINISTRO ELÉCTRICO (3) CAJA ENCHUFE DE ALAMBRE SALIDA DUPLEX
 ALIMENTATION ÉLECTRIQUE (3) BOÎTIER ENCASTRE

E = INSURE PROPER VENTILATION BY MAINTAINING 6" (152 mm) (MIN.) CLEARANCE FROM CABINET LOUVERS TO WALL.
 PARA GARANTIZAR LA VENTILACIÓN ADECUADA, MANTENGA 152 mm (6") (MIN.) DE SEPARACIÓN DESDE LAS REJILLAS DEL GABINETE HASTA LA PARED.

F = 7/16 BOLT HOLES FOR FASTENING UNIT TO WALL
 ORIFICIOS PARA PERNOS DE 7/16. PARA FIJAR LA UNIDAD A LA PARED
 TROUS DE VIS DE 7/16 PO POUR LA FIXATION DE L'APPAREIL AU MUR

****NEW INSTALLATIONS MUST USE GROUND FAULT CIRCUIT INTERRUPTER (GFCI)**

**Las nuevas instalaciones deben usar un interruptor de circuito de falla a tierra (GFCI, por sus siglas en inglés)

**Les nouvelles installations doivent comporter un disjoncteur différentiel (GFCI)

NOTE: It is highly recommended that the circuit be dedicated and the load protection be sized for 20 amps.

NOTA: Es muy recomendable que el circuito esté dedicado y que la protección de carga tenga un tamaño de 20 amperios.

REMARQUE: Il est fortement recommandé de dédier le circuit et de dimensionner la protection de charge à 20 ampères.

ALTERNATE ROUGH-IN FOR RIGHT-HAND HIGH, BOTTLE FILLER LOW MODELS – REQUIRES BASIN ASSY CHANGE

BOSQUEJO ALTERNATIVO PARA MODELOS CON LA LLENADORA DE BOTELLAS BAJA Y LA PARTE DERECHA ALTA: REQUIERE CAMBIAR EL CONJUNTO DE TARJA
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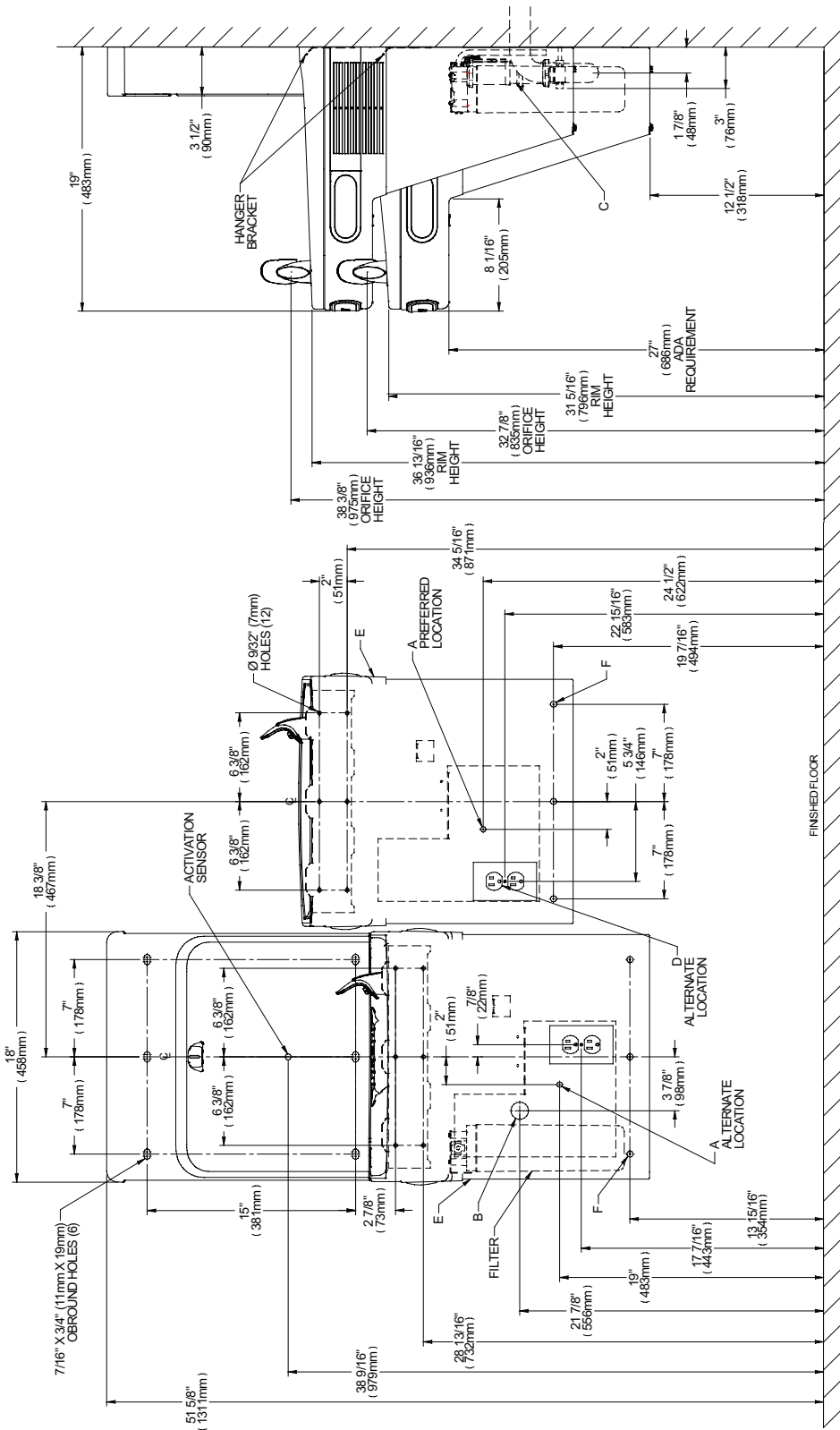


FIG. 2

REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDREN'S ADA COOLER
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POUR ASSURER UNE AÉRATION SUFFISANTE, PRÉVOIR UN DÉGAGEMENT DE 152 mm (6 PO) (MIN.) ENTRE LES ÉVÉNEMENTS DE L'ENCAINTE ET LE MUR.

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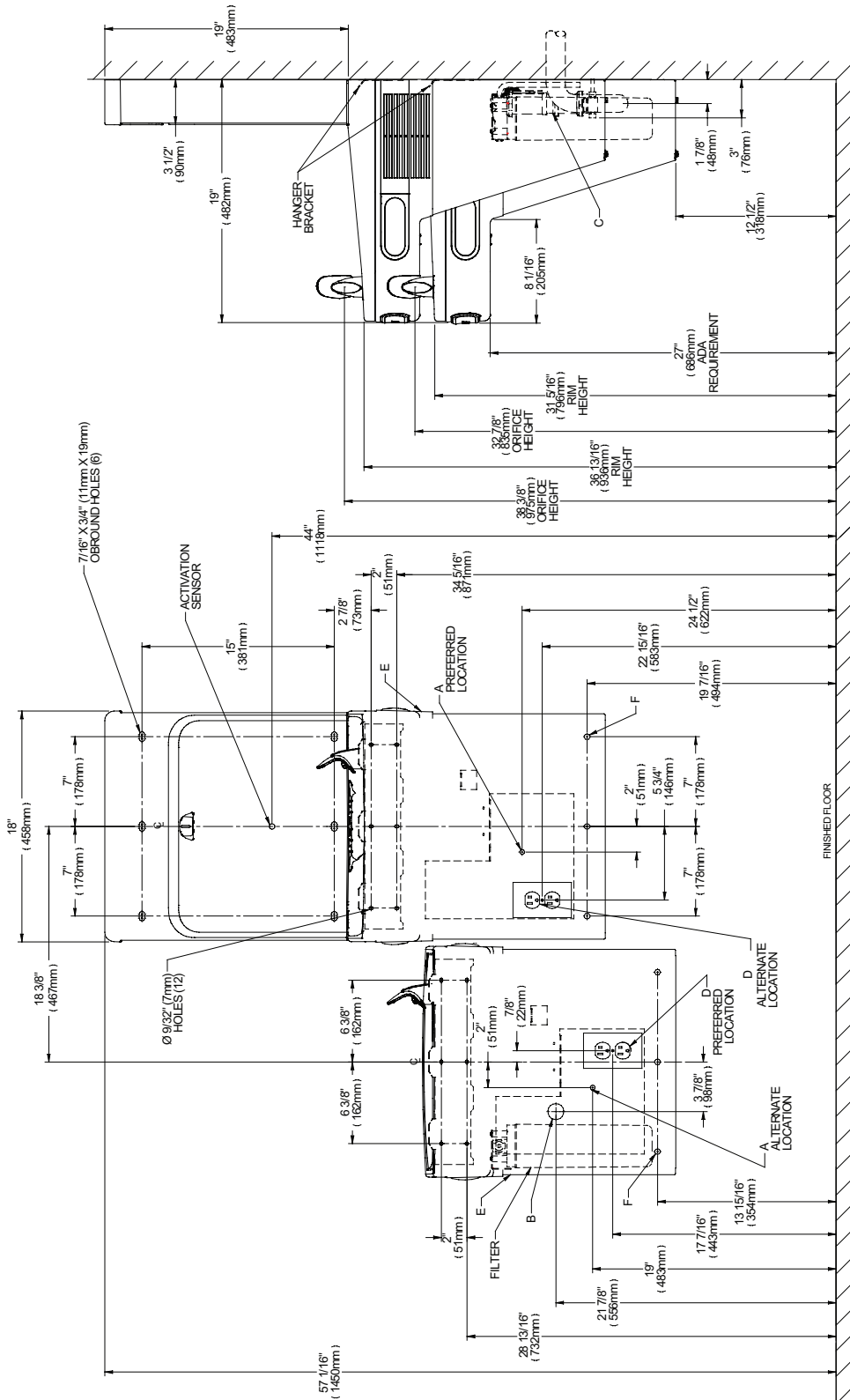


FIG. 3

REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDREN'S ADA COOLER

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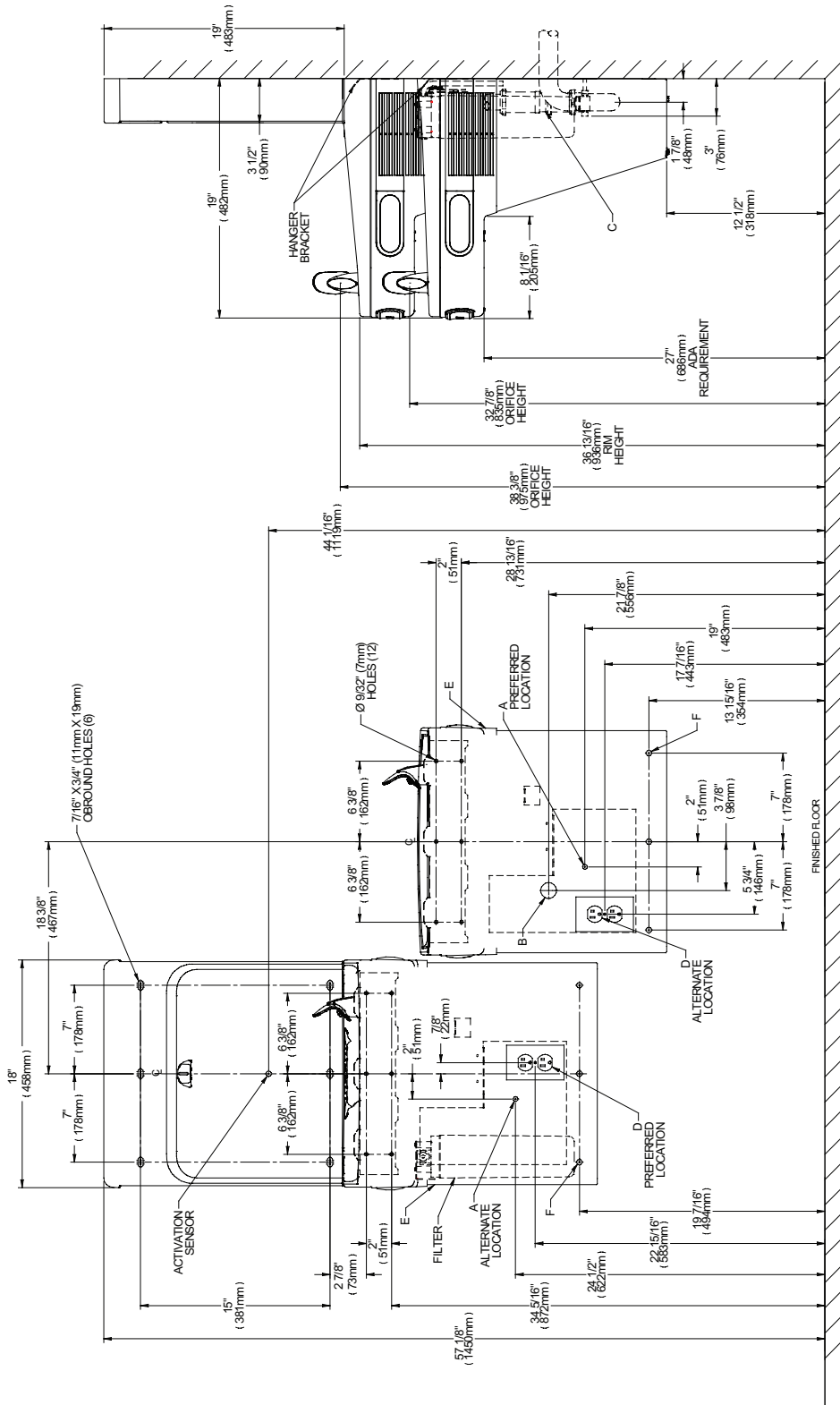


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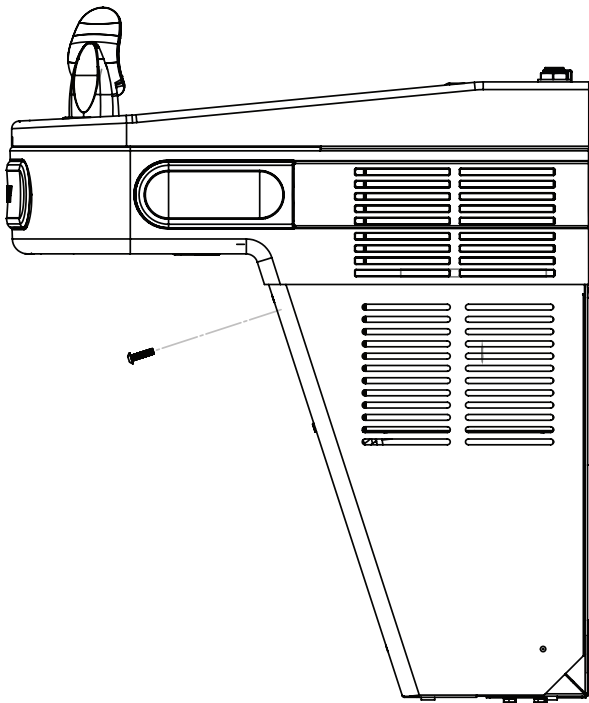


Fig. D(i)

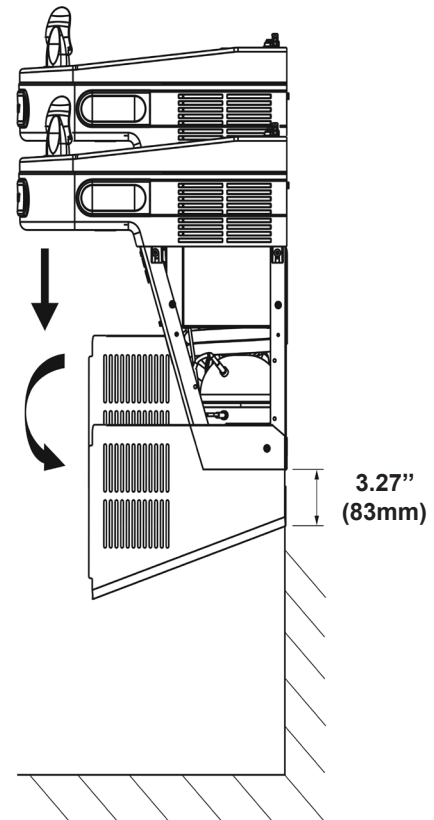


Fig. D

NOTE:

1. Ensure that there are no plumbing or external objects below the wrapper in the specified dimension. This minimum distance is required for the wrapper to swing out.
2. To access internal components, remove security screw and gently move wrapper down and rotate. When servicing is completed and once wrapper is in place prior to engaging security screw with frame threads, ensure thru hole is aligned with frame threads. Ensure screw is angled relative to the ground and perpendicular to wrapper surface prior to engagement. Hand tighten prior to using hand tool to avoid cross-threading. **DO NOT USE POWER TOOL TO TIGHTEN. DO NOT OVERTIGHTEN.**
3. Removing the wrapper from the pivoting bracket when servicing the unit is recommended. The wrapper may be left in place for quick serviceability.
4. **CAUTION:** DO NOT LEAN ON WRAPPER.
5. **CAUTION:** WRAPPER DROPS AND SWINGS WHEN SECURITY SCREWS ARE REMOVED.

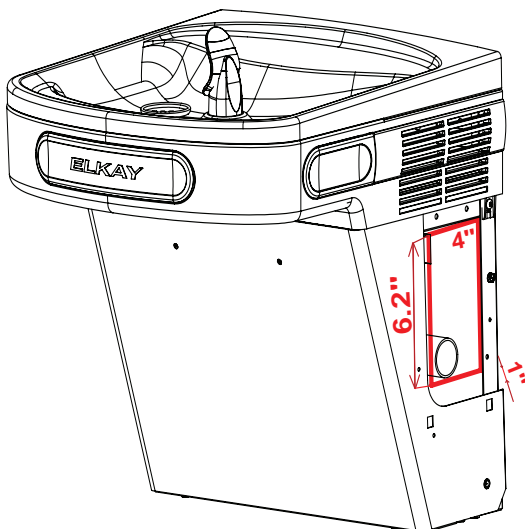


Fig. E

NOTE:

The highlighted portion in red color is acceptable plumbing rough-in for installation.

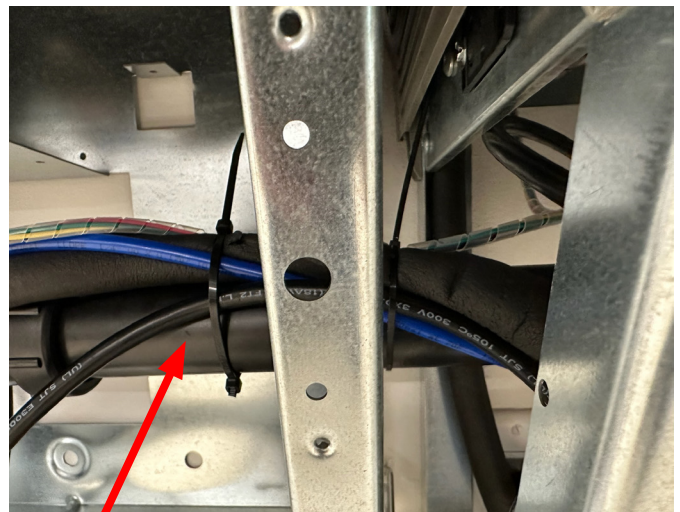


Fig. F

NOTE:

To mitigate the wrapper rotation interferences, zip tie lines (plumbing and electrical) running between the cooler units to the waste line (PVC pipe).

HANGER BRACKETS INSTALLATION

1) Remove hanger bracket fastened to back of coolers by removing one (1) screw.

2) Determine your mounting configuration from the figures shown on pages 2 - 5. Refrigeration unit must be on right hand side.

IMPORTANT NOTE: If the Bottle Filler is to be mounted on the left hand cooler, a basin assembly change will be needed.

Determine your configuration by referring to the Configuration Instructions on page 9 prior to continuing.

3) Mount the hanger bracket as shown in Figures 1 - 4 (Pages 2 - 5).

NOTE: Hanger Bracket **MUST** be supported securely. Add fixture support carrier if wall will not provide adequate support. Anchor hanger securely to wall using all six (6) 1/4 in. dia. mountin holes.

IMPORTANT: 5-7/8 in. (150 mm) dimension from wall to centerline of trap must be maintained for proper fit.

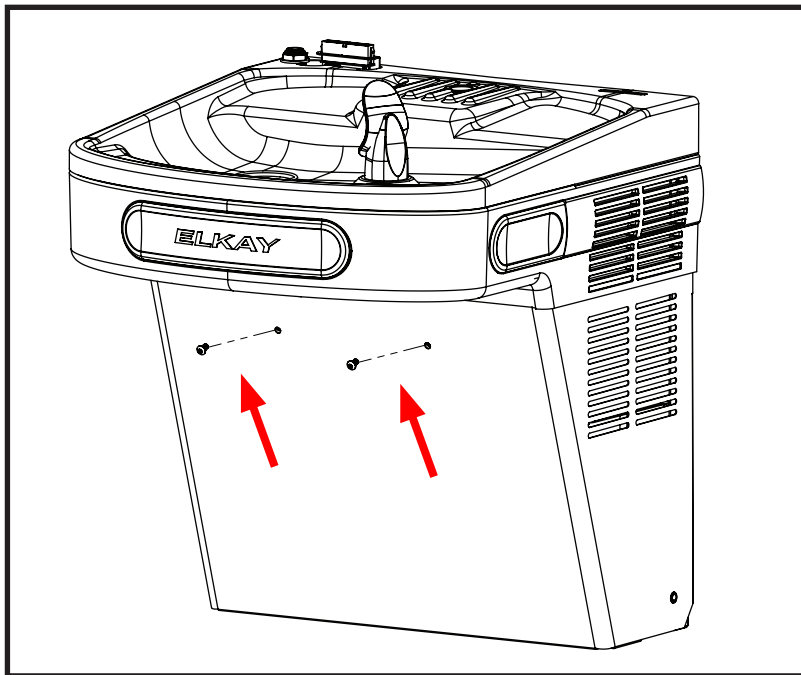


FIG. 5

INSTALLATION OF COOLER

4) Remove the two front screws holding the lower front panel to the cooler frame (see Fig 5, Pg. 7). Rotate the front panel down (see Fig D, Pg. 6) and remove.

5) Hang only the refrigerated cooler on the hanger bracket. Be certain hanger bracket is properly in the slots on the cooler backs as shown in Figures 1 (Pg. 2), 2 (Pg.3), 3 (Pg. 4), and (Fig. 4, Pg. 5).

6) Hang the non-refrigerated cooler on the hanger bracket. Be certain hanger bracket is engaged properly in the slots on the cooler backs as shown in Figures 1, (Pg. 2), 2 (Pg. 3), 3 (Pg. 4), and 4 (Pg. 5).

7) Unband the loose wires in the refrigerated cooler for the NFC board. Stretch it out and thread through the left side of the refrigerated cooler and into the right side of the non-refrigerated cooler. Plug into the NFC board that is behind the filter head.

8) Secure each cooler frame to wall by installing (2) screws and washers (not supplied). See pictures below.

Make sure the screws engage in a structural member.

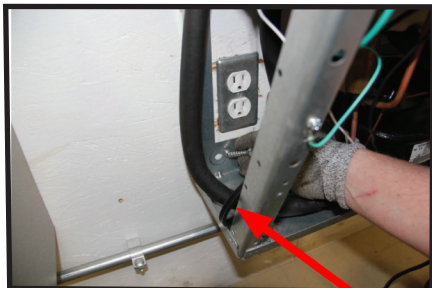


FIG. 6



FIG. 7

9) Connect the supply water to the filter 3/8" copper inlet tube.

10) Connect the waterline from the outlet of the filter to the inlet of the evaporator in the refrigerated cooler by inserting it into the quick connector.

11) Connect the waterline from the solenoid in the non-refrigerated cooler to the open 1/4" inch tee fitting in the refrigerated cooler.

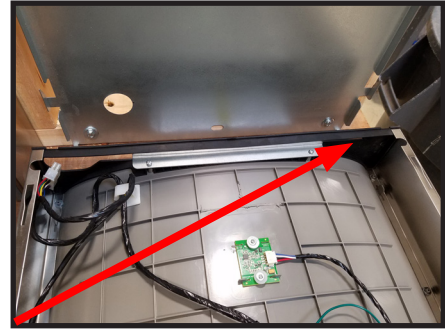
12) Find your cooler configuration on page 11 and connect the drain assembly together.

13) Install trap. Remove the slip nut and gasket from the trap and install them on the cooler waste line making sure that the end of the waste line fits into the trap. Assemble the slip nut and gasket to the trap and tighten securely.

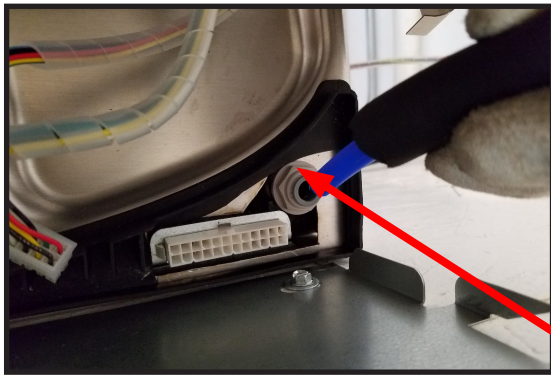
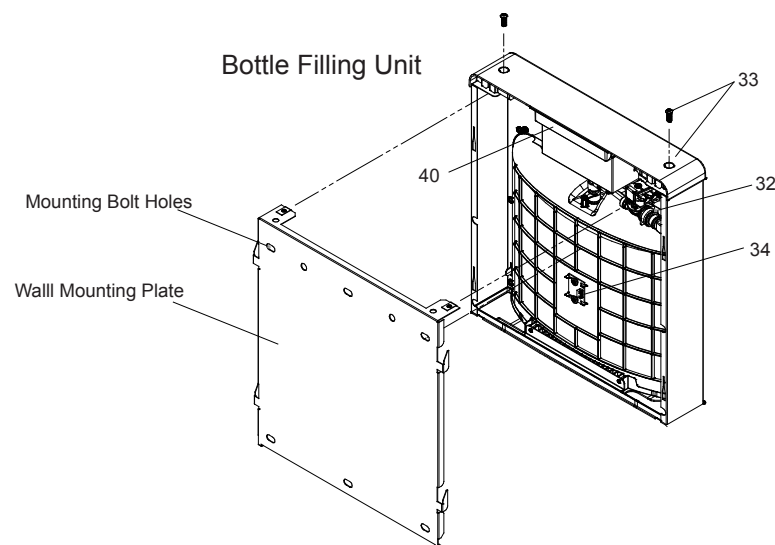
IMPORTANT: If it is necessary to cut the drain, loosen the screw at the black rubber boot and remove tube, check for leaks after re-assembly.

BOTTLE FILLER INSTALLATION

- 14) Remove two (2) mounting screws with 5/32" Allen wrench holding Bottle Filler to wall mounting plate (See Fig. 8). Note do not discard mounting screws, they will be needed to secure Bottle Filler to wall mounting plate.
- 15) Remove wall mounting plate from Bottle Filler (See Fig. 8). Place wall mounting plate against wall on top of basin. Center the wall mounting plate side to side with the basin. Mark the six (6) mounting holes with a pencil (See Fig. 1, Pg. 2). Place tape over wiring harness connection on top of cooler to prevent debris from falling into Connection(See Fig. 6, Pg. 7).
- 16) Remove wall mounting plate from wall. **NOTE:** Mounting plate **MUST** be supported securely. Add fixture support carrier if wall will not provide adequate support.
- 17) Install wall mounting plate to wall using six (6) 7/16" obround mounting holes (mounting bolts not included) (See Fig. 7, Pg. 7). Use appropriate fasteners for your wall type.
- 18) Install gasket on bottom of Bottle Filler with gasket support bracket & (2) screws.
(See Fig. 8).

**FIG. 8**

- 19) Route 3/8" tubing through the opening in the bottle filler gasket and plug into bulkhead fitting in basin. Route the wiring harness through the gasket and plug into the connector on the top of the basin.
- 20) Place Bottle Filler on the four (4) hooks on the mounting plate installed on wall.

**Gasket removed from bottle filler for clarity.****Fig. 9****Gasket removed from bottle filler for clarity.****Fig. 10****FIG. 11**

FINAL INSTALLATION (FILTER)

- 21) Remove filter from carton, remove protective cap, attach filter to filter head by firmly inserting into head and rotating filter clockwise. Ensure that filter label can be read when filter is installed. (See Fig. 12)
- 22) Turn water supply on and inspect for leaks. In both cooler and Bottle Filler. Fix all leaks before continuing.
- 23) Once cooler and bottle filter have been inspected for leaks and any leaks corrected, plug cooler into wall.
- 24) Reinstall two mounting screws from first step above. Caution do not over tighten screws.
- 25) Once power is applied to the cooler the GREEN LED light will illuminate on the bottle filler showing good filter status along with the LCD Bottle Counter.
- 26) Verify proper dispensing by placing cup, hand, or any opaque object in front of sensor area and verify that the water dispenses. Note: the first initial dispenses might have air in line which may cause a sputter. This will be eliminated when all air is purged from the line.
- 27) Once unit tests out, install Lower Panels back on water coolers. (See pages 12-13 for versatile wrapper installation). Units are now ready for use.



Filter Label
Location



Back of Filter

FIG. 12

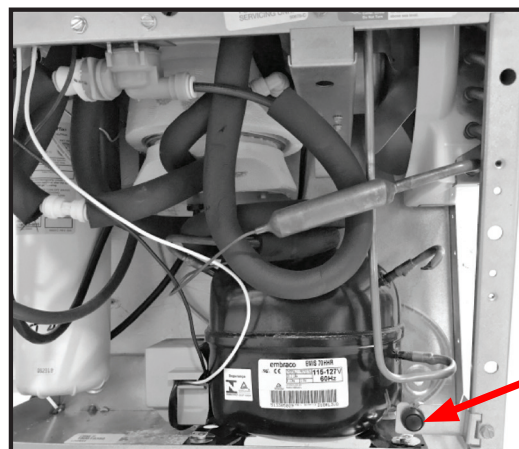
INSTRUCTIONS FOR REPLACING FILTERS

- 1) Remove the two front screws holding the lower front panel to the cooler frame (see Fig 5, Pg. 7). Rotate the front panel down (see Fig D, Pg. 6) and remove.
- 2) Turn off water supply; dispense water to relieve pressure.
- 3) Remove power by unplugging cooler.
- 4) Turn used filter counterclockwise 1/4 turn to remove from filter head.
- 5) Remove cap from new filter and use to seal used filter.
- 6) Insert new filter into existing filter head and turn fully clockwise. Make sure you can read the label on the front of the filter once it is installed. (See Fig. 22 on Pg.15).
- 7) Plug in unit to restore power.
- 8) Turn on water supply and run a minimum of two gallons of water through the filter to purge air any fine carbon particles from filter. Also run water through bottle filler.

Note: Filter status light will automatically reset once new filter is installed.

INSTRUCTIONS TO ACCESS PROGRAMMING BUTTON

- 1) Remove lower cover on refrigerated unit by removing (2) screws.
- 2) Button is located in lower right corner of unit (See Fig. 13).

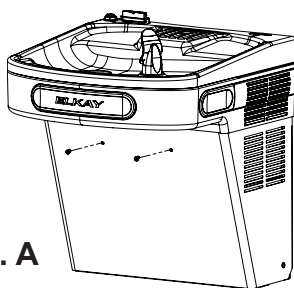
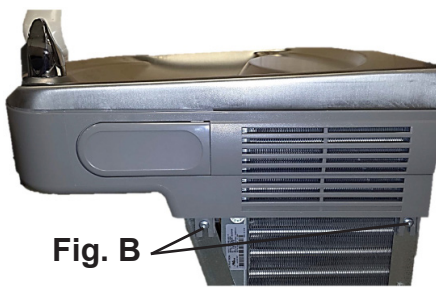


Programming
Button

FIG. 13

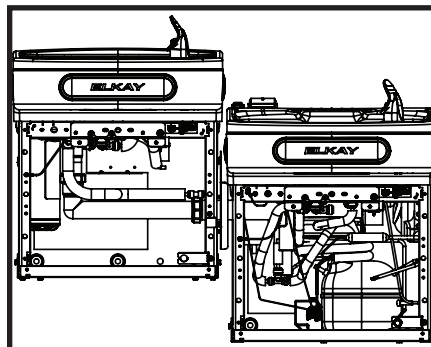
CONFIGURATION INSTRUCTIONS

INSTRUCTIONS TO MOVE THE BOTTLE FILLER & BASIN TO THE LEFT SIDE (NON-REFRIGERATED) FOR ALTERNATE MOUNTING VERSATILE BI-LEVEL

**Fig. A****Fig. B****Fig. C**

ONLY move the filler panel and j-clip to the refrigerated (right) side if right side will be mounted "high"

1. Remove the two front screws holding the lower front panel to the cooler frame (see Fig 5, Pg. 7). Rotate the front panel down (see Fig D, Pg.6) and remove.
2. Remove filler panel from cooler using a 5/16" socket.
3. Using a T25 (6-point star) bit, loosen the shroud screws on both sides of both coolers.
4. Lift the basin/shroud assembly from each cooler. Disconnect the water line from the solenoid and the shroud wires from the wiring harness and solenoid. Set aside.
5. Unfasten the electrical harness connector from the electrical bracket. Using a T25 (6-point star) bit, remove the electrical bracket from the mounting bracket. Snap the electrical harness connector into the cutout of the mounting bracket with the connector facing down. (See Fig 14.)
6. Install the electrical bracket on the filter bracket of the non-refrigerated cooler by removing the two screws towards the front of the cooler and reinstalling them through the bracket. Attach the female end of the bi-level extension into the electrical bracket.
7. Only move the filler panel and J-clip to the refrigerated (right) cooler if the right side will be mounted high.
8. Install the non-bottle filler basin on the refrigerated cooler. Connect the water line to the solenoid and the electrical connections to the wiring harness and solenoid. Tighten the (4) T25 screws.
9. Mount the refrigerated cooler on the right-hand hanger bracket. Secure to wall.
10. Install the bottle filler basin on the non-refrigerated cooler. Connect the water line to the solenoid and the electrical connections to the wiring harness and solenoid. Be certain the electrical connector is protruding through the cutout in the top of the basin. Tighten the (4) T25 screws.
11. Mount the non-refrigerated cooler on the left-hand hanger bracket. Secure to wall.
12. Route the bi-level extension through the coolers and connect to the refrigerated electrical harness mounted in the mounting bracket (See Figs. 15 & 16).
13. Hook up the drains using the attached drain kit.
14. Make all water and electrical connections.
15. Reinstall wrappers using (2) screws for each wrapper.

**FIG. 14****FIG. 15****FIG. 16**

Refrigerated Cooler side:

Carefully lift and tip the shroud/basin assembly off the cooler frame.

Only disconnect the (2) black wires coming from the shroud assembly that go to the solenoid valve and to the cold control.

Disconnect the water line at the solenoid valve. Reference (See Fig. 20, Pg.14) for the operation of the quick connect fittings.



FIG.17

Non-Refrigerated Cooler side:

Carefully tip the shroud/basin assembly toward the cooler frame.

Connect one of the black wires to the solenoid valve and one to the power cord.

Re-connect the water line at the solenoid. Reference (See Fig. 20, Pg.14) for the operation of the quick connect fittings.

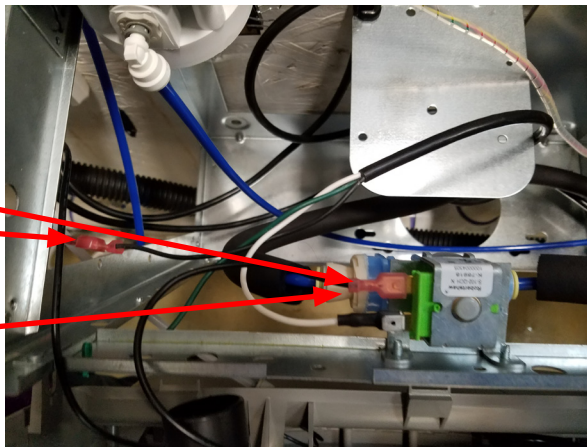


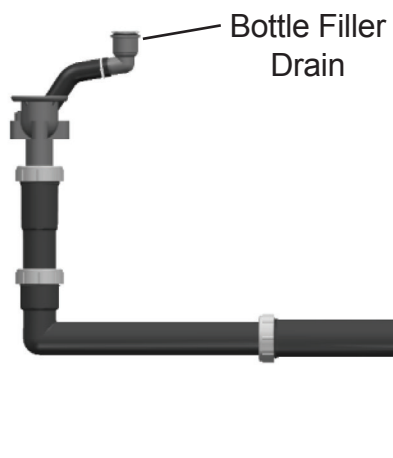
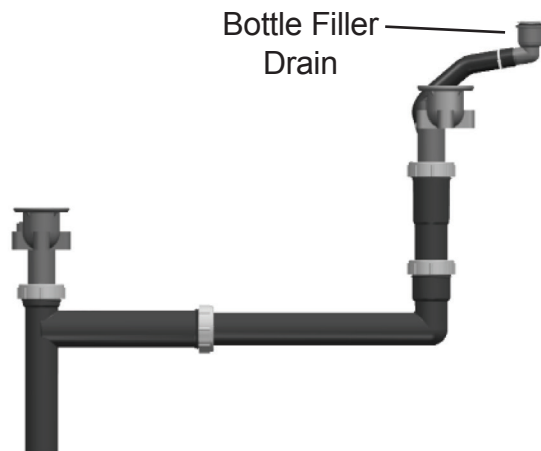
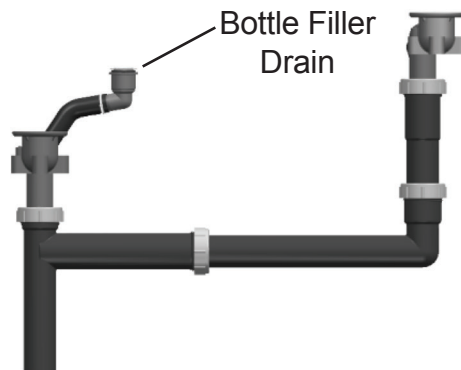
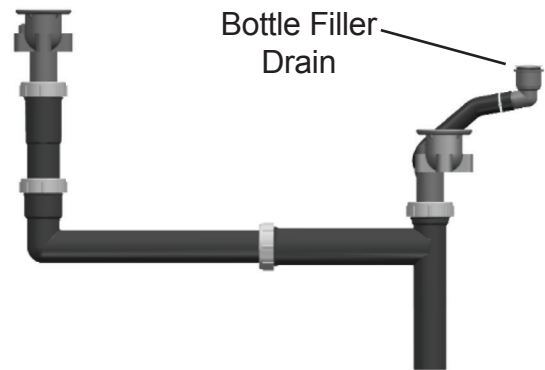
FIG.18

Swap drain parts in shroud: Loosen each hose clamp retaining the drain pieces. Remove each drain piece and swap to other basin. Tighten each hose clamp.

Enhanced EZH2O Error Codes

Error Code	Error Description	Corrective Action
	Please clear Bottle Filler	- Remove obstruction - Clean lens on IR sensor - Unplug unit for at least 30 seconds and restart - If error repeats, replace IR sensor
EO13	Missing or Incomplatible Filter	- Check that filter is installed correctly (label facing forward, round blue tag facing NFC Board) - Unplug unit for at least 30 seconds and restart - Replace filter - Replace filter head assembly with repair kit - If error repeats, contact certified service professional
EO13 & EO14	Missing/Unplugged NFC Board	- Unplug unit for at least 30 seconds and restart - Verify cable connector is plugged into NFC board on filter head assembly - Replace filter head assembly with repair kit - If error repeats, contact certified service professional

PLUMBING DIAGRAMS VERSATILE BI-LEVEL



Versatile Wrapper and Trim Kit Installation Instructions

Left Hand Wrapper (High Side)

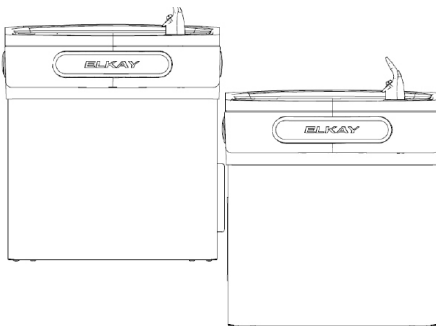
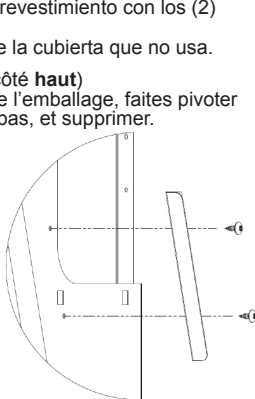
- 1) Remove the (2) screws from the wrapper, rotate the wrapper down, and remove.
- 2) Screw trim piece to wrapper with (2) screws (provided).
- 3) Re-install wrapper with (2) screws.
- 4) Dispose of unused cover plate.

Revestimiento del lado izquierdo (Lado alto)

- 1) Retire los (2) tornillos del envoltorio, gire el envoltorio hacia abajo, y quitar.
- 2) Atornille la pieza de acabado al revestimiento con los (2) tornillos (proporcionados)
- 3) Vuelva a instalar el revestimiento con los (2) tornillos.
- 4) Deseche la placa de la cubierta que no usa.

Enveloppe gauche (côté haut)

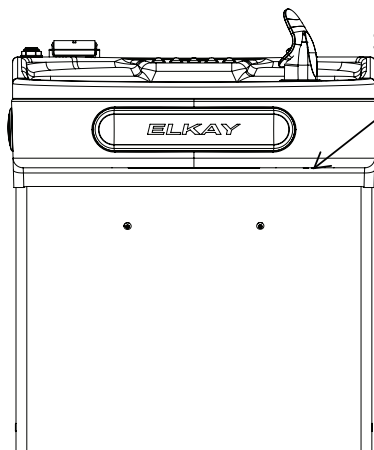
- 1) Retirez les (2) vis de l'emballage, faites pivoter l'emballage vers le bas, et supprimer.
- 2) Visser la pièce de garniture à l'enveloppe avec deux (2) vis (fournies)
- 3) Remonter l'enveloppe avec quatre (2) vis.
- 4) Jeter la plaque de fermeture inutilisée.



Wrapper Fill Piece Location (Left Side High)

Ubicación de la pieza de llenado del recubrimiento (lado izquierdo alto)

Emplacement de la pièce de fermeture d'enveloppe (côté gauche haut)



Right Hand Wrapper (Low Side)

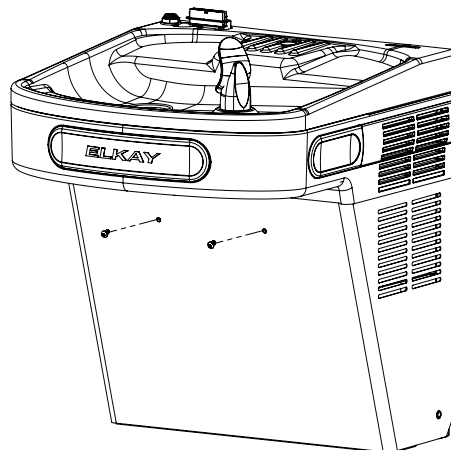
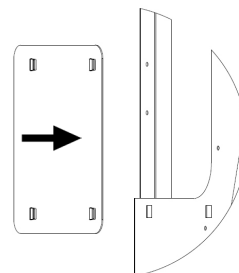
- 1) Remove the (2) screws from the wrapper, rotate the wrapper down, and remove.
- 2) Clip cover plate, sliding until plate sits flush with the wall.
- 3) Re-install wrapper with (2) screws.
- 4) Dispose of unused trim piece.

Revestimiento del lado derecho (Lado bajo)

- 1) Retire los (2) tornillos del envoltorio, gire el envoltorio hacia abajo, y quitar.
- 2) Sujete la placa de la cubierta, deslizándola hasta que quede alineada con la pared.
- 3) Vuelva a instalar el revestimiento con los (2) tornillos.
- 4) Deseche la pieza de acabado que no usa.

Enveloppe droite (côté gauche)

- 1) Retirez les (2) vis de l'emballage, faites pivoter l'emballage vers le bas, et supprimer.
- 2) Encliqueter la plaque de fermeture, en la glissant jusqu'au ras du mur.
- 3) Remonter l'enveloppe avec quatre (2) vis.
- 4) Jeter la pièce de garniture inutilisée.



Versatile Wrapper and Trim Kit Installation Instructions continued. . .

Instrucciones de instalación versátiles de la envoltura y del juego de molduras continuadas. . .

Instructions d'installation du kit d'emballage et de garniture polyvalentes (suite). . .

Left Hand Wrapper (Low Side)

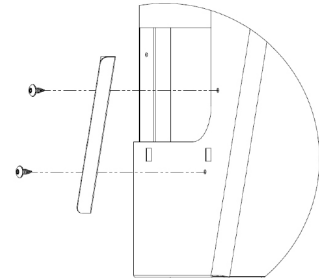
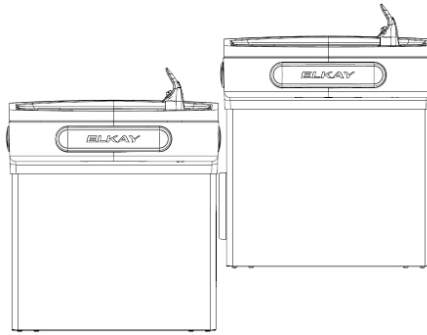
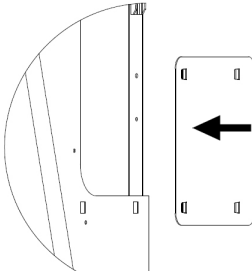
- 1) Remove the (2) screws from the wrapper, rotate the wrapper down, and remove.
- 2) Clip cover plate, sliding until plate sits flush with the wall.
- 3) Re-install wrapper with (2) screws.
- 4) Dispose of unused trim piece.

Revestimiento del lado izquierdo (Lado bajo)

- 1) Retire los (2) tornillos de la envoltura, gírela hacia abajo y retírela.
- 2) Sujete la placa de la cubierta, deslizándola hasta que quede alineada con la pared.
- 3) Vuelva a instalar el revestimiento con los (2) tornillos.
- 4) Deseche la pieza de acabado que no usa.

Enveloppe gauche (côté bas)

- 1) Retirez les (2) vis de l'emballage, faites pivoter l'emballage vers le bas, et supprimez.
- 2) Encliqueter la plaque de fermeture, en la glissant jusqu'au ras du mur.
- 3) Remonter l'enveloppe avec quatre (2) vis.
- 4) Jeter la pièce de garniture inutilisée.



Right Hand Wrapper (High Side)

- 1) Remove the (2) screws from the wrapper, rotate the wrapper down, and remove.
- 2) Screw trim piece to wrapper with (2) screws (provided)
- 3) Re-install wrapper with (2) screws.
- 4) Dispose of unused cover plate.

Revestimiento del lado derecho (Lado alto)

- 1) Retire los (2) tornillos de la envoltura, gírela hacia abajo y retírela.
- 2) Atornille la pieza de acabado al revestimiento con los (2) tornillos (proporcionados)
- 3) Vuelva a instalar el revestimiento con los (4) tornillos.
- 4) Deseche la placa de la cubierta que no usa.

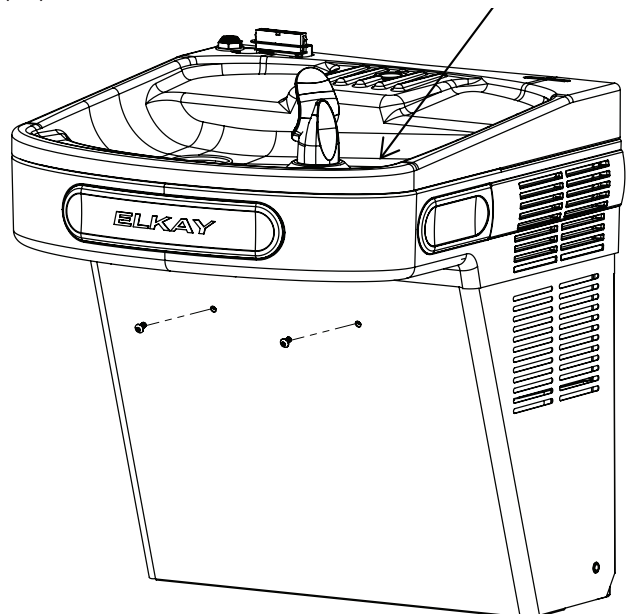
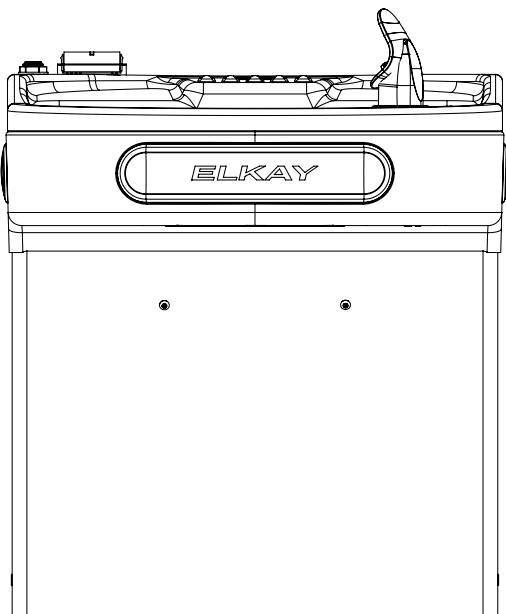
Enveloppe droite (côté haut)

- 1) Retirez les (2) vis de l'emballage, faites pivoter l'emballage vers le bas et retirez-le.
- 2) Visser la pièce de garniture à l'enveloppe avec deux (2) vis (fournies)
- 3) Remonter l'enveloppe avec quatre (4) vis.
- 4) Jeter la plaque de fermeture inutilisée.

Wrapper Fill Piece Location (Right Side High)

Ubicación de la pieza de
llenado del recubrimiento
(lado derecho alto)

Emplacement de la pièce
de fermeture d'enveloppe
(côté droit haut)





A SIMPLY PUSH IN TUBE TO ATTACH

B TUBE IS SECURED IN POSITION

C PUSH IN COLLET TO RELEASE TUBE

2000001134 (Rev. A - 10/12)