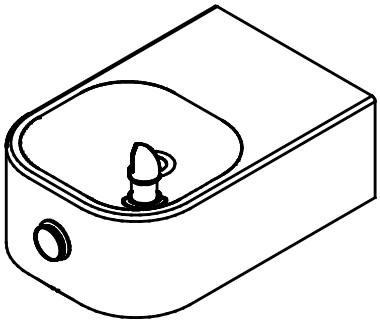
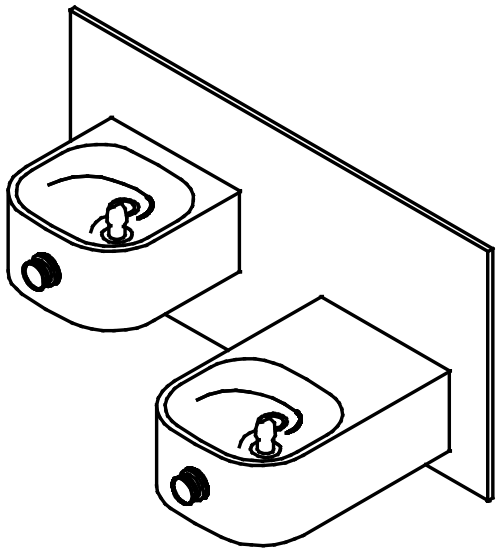
Installation Manual

Non-refrigerated Marblyte VR, Freeze Resistant Fountains





INSTALLER

Elkay Fountains are among the easiest to install Fountains on the market today. To assure you install these models easily and correctly, PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL, AND OTHER APPLICABLE CODES. After installation, leave these instructions with the Fountain for future reference. This Freeze Resistant Fountain is shipped in two separate cartons. The second carton(s) contains the Freeze Resistant Package(s) **LKFRB1** that are installed on an interior heated wall. The interior space must maintain a minimium temperature of 50° F (10° C). Refer to the Freeze Resistant Package for the rough-in dimensions for installation.

IMPORTANT

ALL SERVICE TO BE PERFORMED BY AN AUTHORIZED SERVICE PERSON.

IMPORTANT! INSTALLER PLEASE NOTE.

THE GROUNDING OF ELECTRICAL EQUIPMENT SUCH AS TELEPHONE, COMPUTERS, ETC. TO WATER LINES IS A COMMON PROCEDURE. THIS GROUNDING MAY BE IN THE BUILDING OR MAY OCCUR AWAY FROM THE BUILDING. THIS GROUNDING CAN CAUSE ELECTRICAL FEEDBACK INTO A FOUNTAIN, CREATING AN ELECTROLYSIS WHICH CAUSES A METALLIC TASTE OR AN INCREASE IN THE METAL CONTENT OF THE WATER. THIS CONDITION IS AVOIDABLE BY USING THE PROPER MATERIALS AS INDICATED. ANY DRAIN FITTINGS PROVIDED BY THE INSTALLER SHOULD BE MADE OF PLASTIC TO ELECTRICALLY ISOLATE THE FOUNTAIN FROM THE BUILDING PLUMBING SYSTEM.

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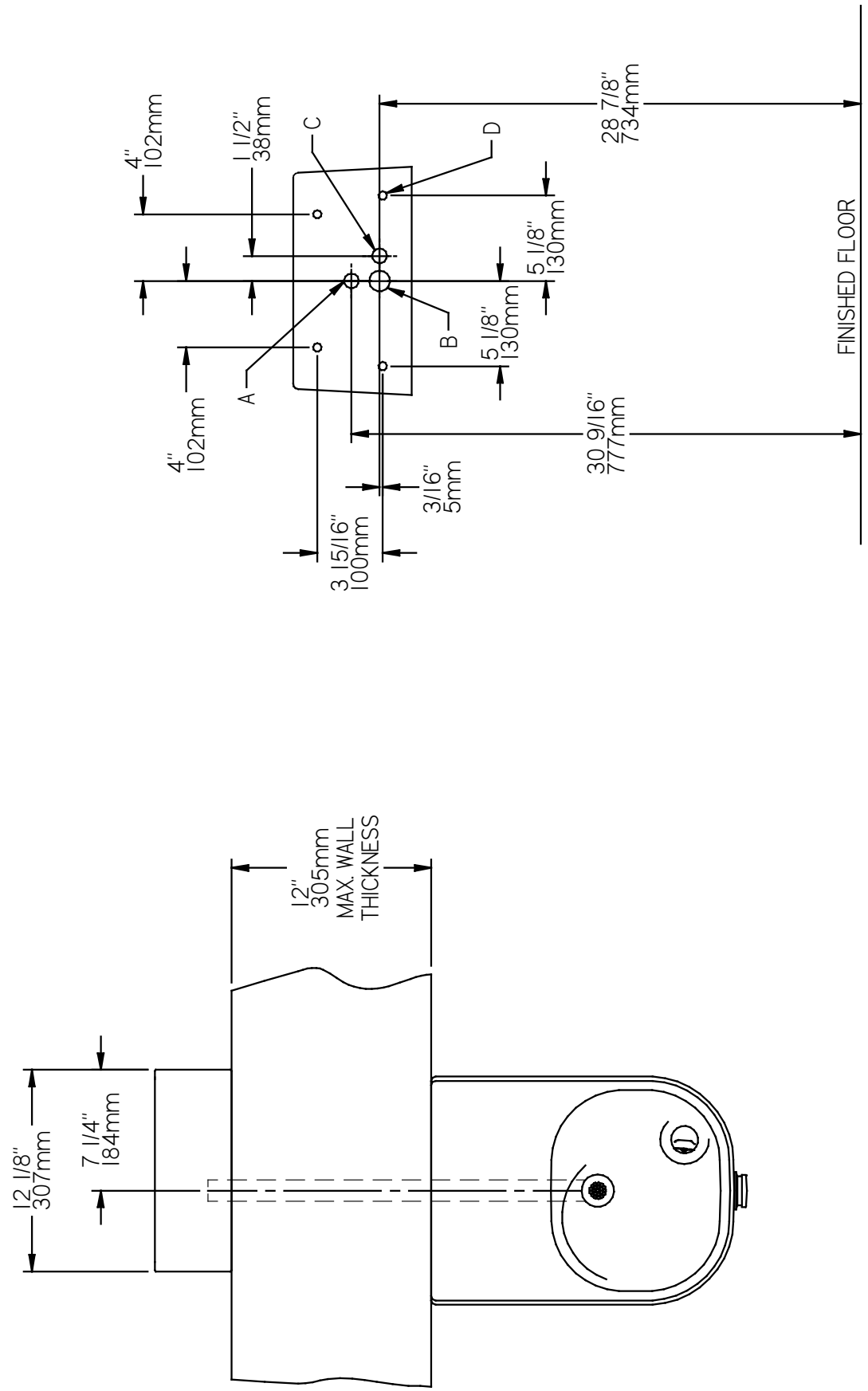


LEGEND:
A = RECOMMENDED WATER SUPPLY LOCATION 3/8 O.D. UNPLATED COPPER TUBE CONNECT
B = RECOMMENDED LOCATION FOR WASTE OUTLET 1-1/4" O.D. DRAIN
C = RECOMMENDED LOCATION FOR OPERATING CABLE 7/8" DIA HOLE
D = MOUNTING HOLES FOR SECURING FOUNTAIN TO WALL(BLOCKING & WALL SUPPORT IS REQUIRED IN THESE AREA FOR PROPER SUPPORT OF FOUNTAINS)

FIG. 1

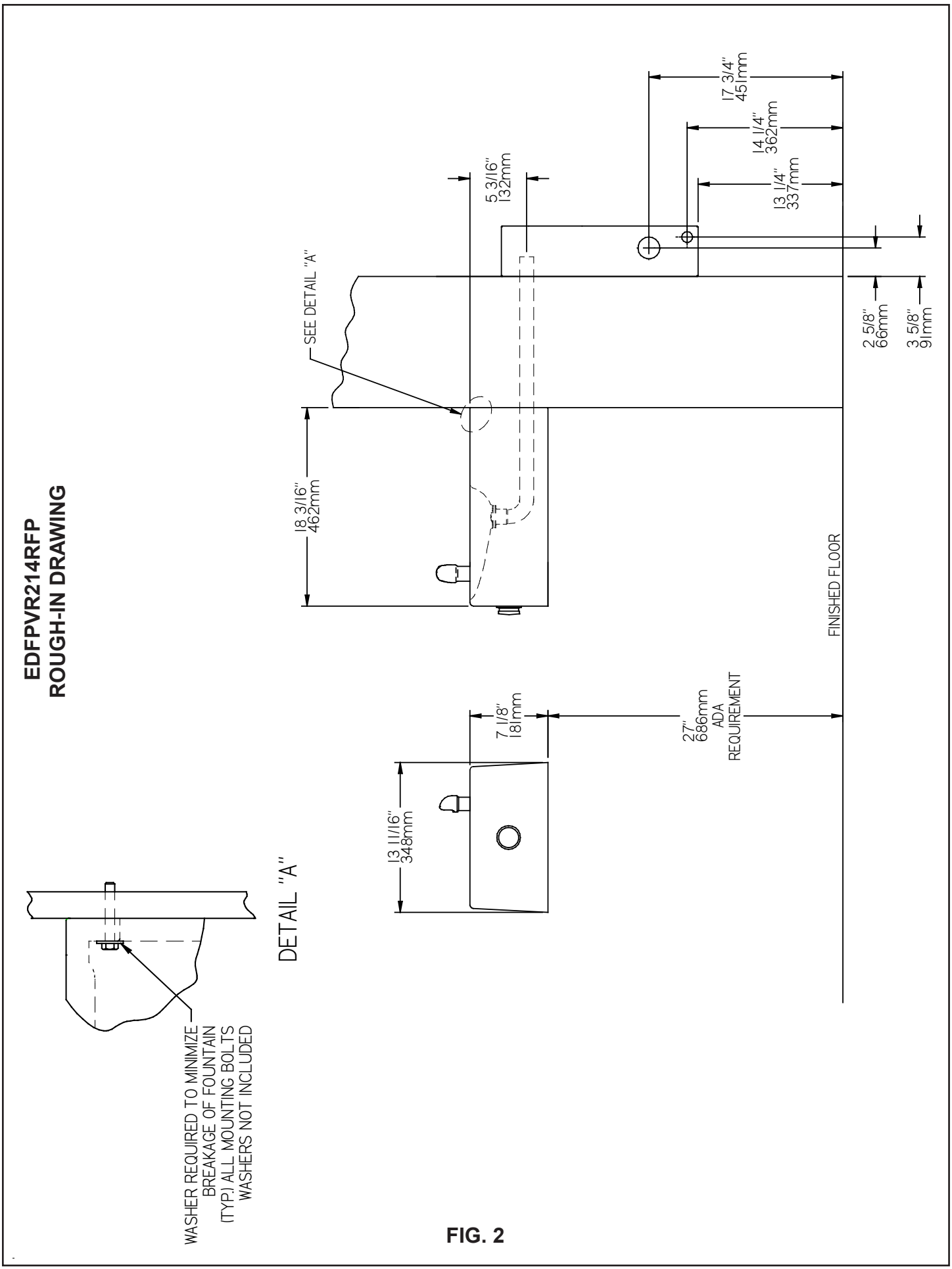
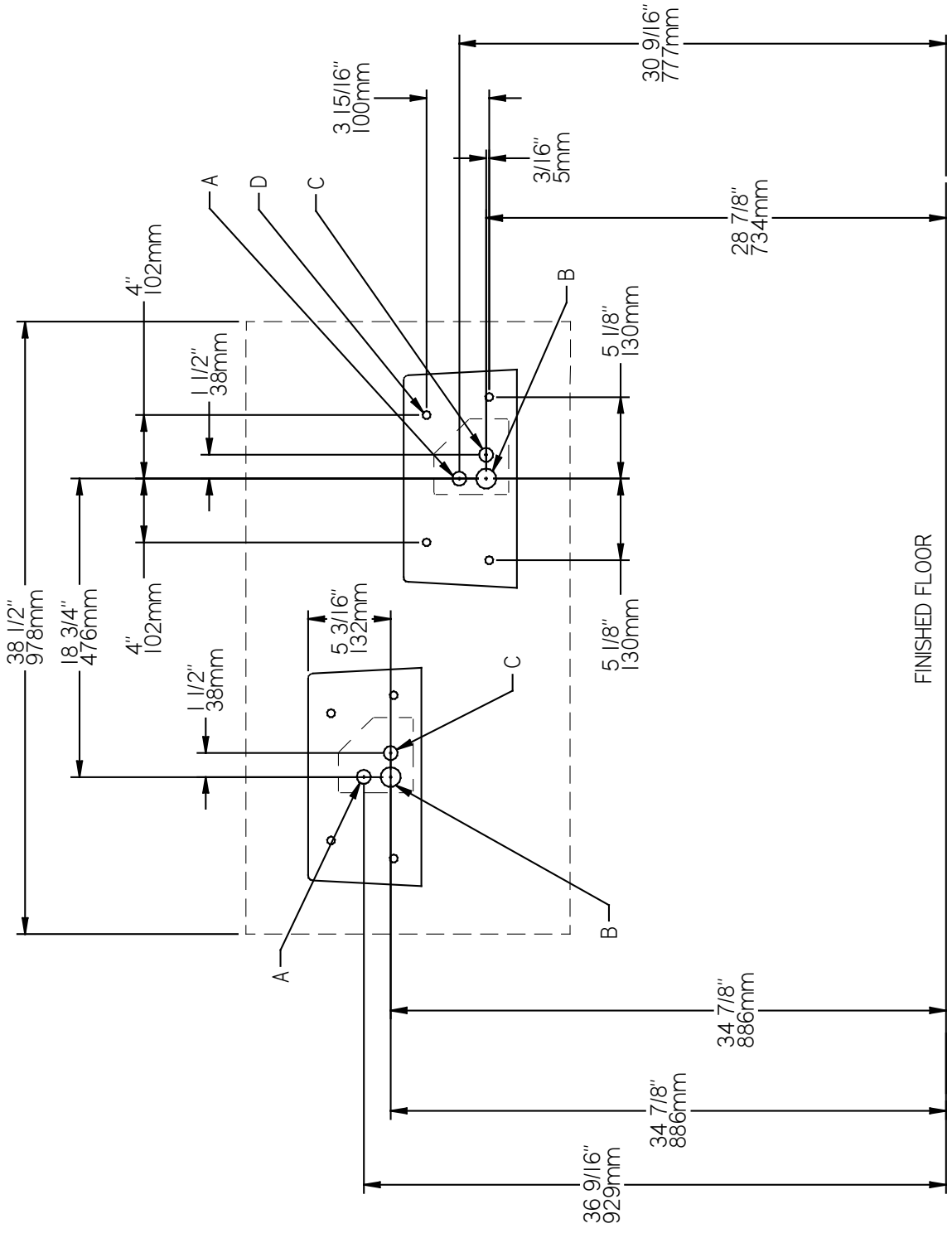

EDFPVR214RFP
ROUGH-IN DRAWING
17 3/4"
451mm
14 1/4"
362mm
13 1/4"
337mm
5 3/16"
132mm
SEE DETAIL "A"
18 3/16"
462mm
2 5/8"
66mm
3 5/8"
91mm
FINISHED FLOOR
7 1/8"
181mm
27"
686mm
ADA
REQUIREMENT
13 11/16"
348mm
DETAIL "A"
WASHER REQUIRED TO MINIMIZE
BREAKAGE OF FOUNTAIN
(TYP.) ALL MOUNTING BOLTS
WASHERS NOT INCLUDED

FIG. 2

EDFPVR217RFP
MOUNTING BOLT AND ACCESS HOLE LAYOUT



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D = MOUNTING HOLES FOR SECURING FOUNTAIN TO WALL(BLOCKING & WALL SUPPORT IS REQUIRED IN THESE AREA FOR PROPER SUPPORT OF FOUNTAINS)

FIG. 3

EDFPVR217RFP
ROUGH-IN DRAWING

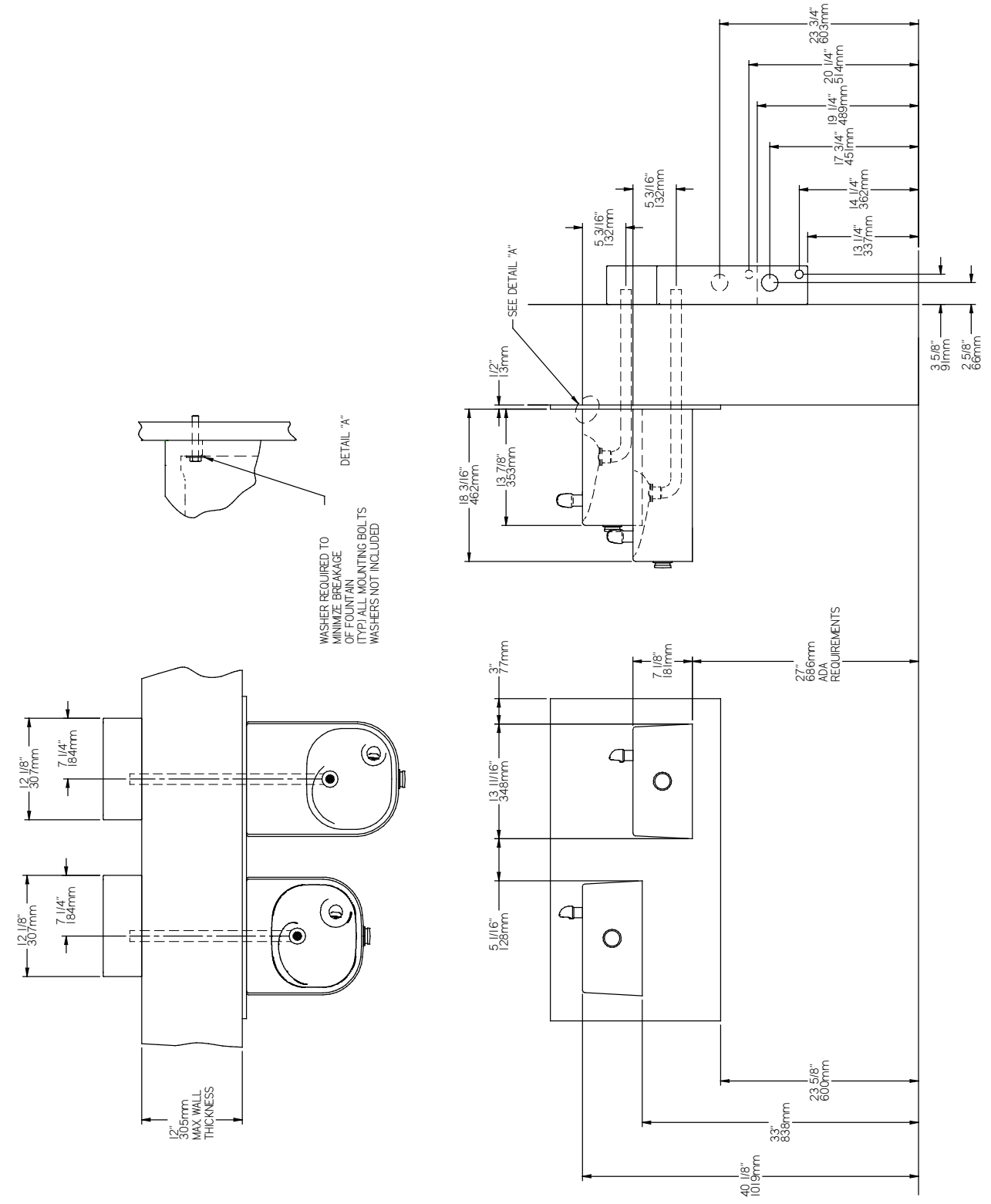


FIG. 4

INSTALLATION INSTRUCTIONS

The freeze resistant package must be mounted on an interior wall in a heated area. The room temperature of the interior heated area must be 50° F (10° C) or higher. The freeze resistant package may be surface or recessed mounted. If recess mounted the surface of the cover must be flush with the interior wall surface. The package is furnished with screws for mounting the cover to the box. If the box is recess mounted, do not fasten the top and bottom of the cover to the box. Use the holes on the front only.

1. Assemble the operating cable to the fountain bracket. (Fountain should be mounted to exterior wall). The adjustment nuts should be at the base of the threaded area on the operating cable. See Figure 7. Create a loop in the cable and thread the free end of the cable through the wall into the freeze resistant box.
2. Connect free end of operating cable to the valve-operating bracket in the freeze resistant box.
3. Remove cable free play by adjusting the jam nuts on the ends of the operating cable in the freeze resistant box. See Figure 8.
4. Connect water line from fountain bubbler into freeze resistant box. The connection to the box uses a quick connect water fitting. Position the water line, in the fountain, to drain back into interior mounted box. Any water left standing, in the exterior line, can freeze.

   To insert tubing, push tube straight into fitting until it reaches a positive stop. To remove tubing from the fittings, relieve water pressure, push in on dark gray collar while pulling out on the tubing. See Figure 6.
5. Connect drain and water supply lines to the freeze resistant fountain. Refer to Figure 1, 2, 3, or 4 for component positions. In-Line strainer must be used on the inlet water line. See Figure 5.

Start-up

1. Turn on building water supply and check all connections for leaks. Repair as required.
2. Stream height is factory set at 35 PSI. If stream height needs to be changed adjust the regulator in the freeze resistant package. Clockwise adjustment raises stream height, counter clockwise adjustment will lower stream.
3. Adjust operating cable as required. Cable system should have a minimal amount of free play to allow for proper valve operation. If the system is too tight the valve will stay in the on position creating constant water flow. Too much free play will result in non-operation of the valve with the push-buttons.
4. Note: Water from the drain back tube in the freeze resistant package, will continue to run while the valve is actuated.
5. After cable system is adjusted properly stuff flexible insulation into any openings between the outside wall and the interior box.
6. Recheck all connections. If all connections are leak free replace cover(s) on the freeze resistant box(es) and fountain(s).

Care and Maintenance of Elkay Marblyte Fountains

Marblyte provides an extremely durable, nonporous surface which resists staining. Care is very simple. Routine cleaning with a soft sponge or cloth, or with water or non-abrasive aerosol foam cleaner, is all that is normally needed to give many years of trouble free service. Cleaners left standing on the fountain surface can dull the surface finish. Be certain to rinse all cleaning agents completely and polish with a soft cloth.

Harsh abrasive cleaners are not required and should not be used.

Mild abrasives such as liquid automotive cleaning compound or baking soda paste will remove simple scratches and stains. Cigarette burns can normally be removed without noticeable effect. Deeper scratches or gouges can be corrected with fine grit sandpaper (240 grit then 400 grit) or a green Scotchbrite pad.

To maintain or regain luster and make cleaning easier, periodic applications of automobile wax or like products will keep the finish looking like new.

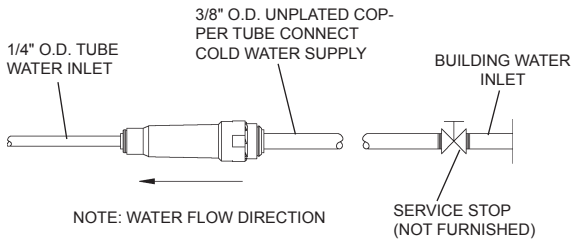
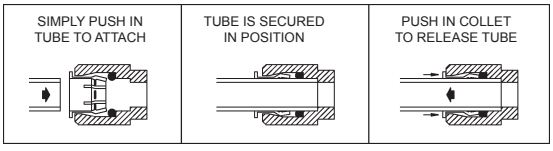


FIG. 5

OPERATION OF QUICK CONNECT FITTINGS



PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

FIG. 6

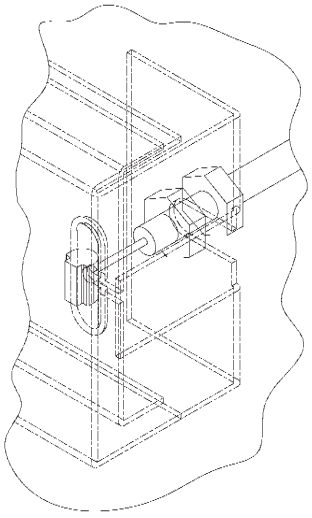


FIG. 7

CABLE SHEATH ADJUSTMENT

To Increase Free Play

To Reduce Free Play

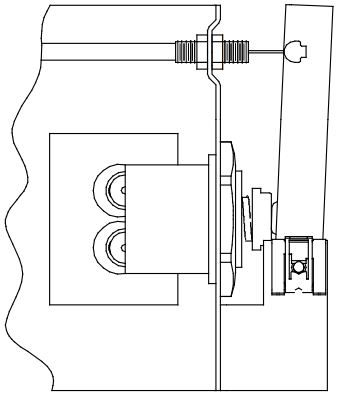


FIG. 8

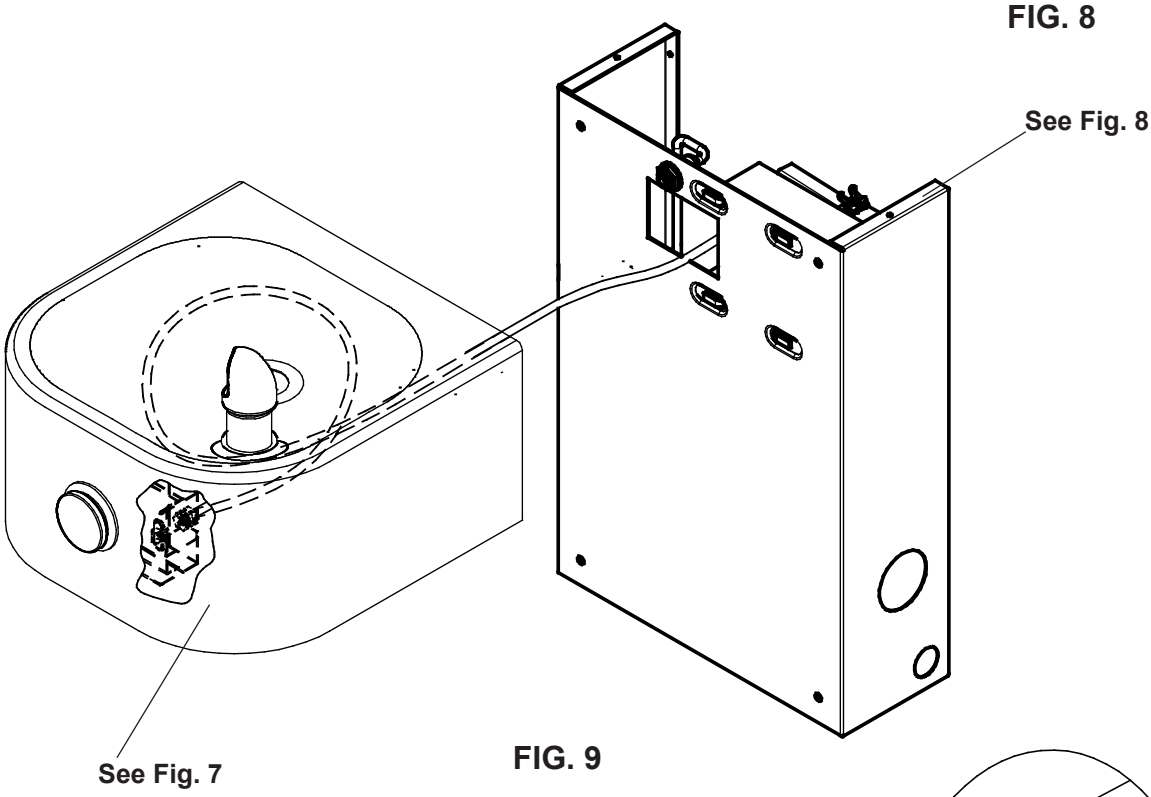


FIG. 9

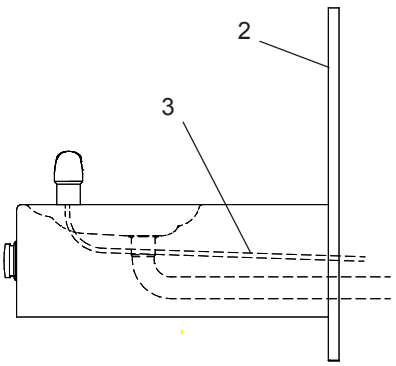


FIG. 10

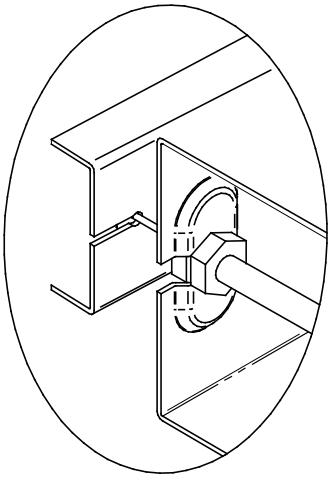


FIG. 11

PARTS LIST		
ITEM NO.	PART NO.	DESCRIPTION
1	1000004652	BUBBLER ASSY - VR
2	56301C	DOUBLE BACK PANEL
3	56092C	POLY TUBING-CUT TO LENGTH
4	75534C	#10-24 PINNED TORX SCREW
5	45662C	PUSH BUTTON
6	56117C	PUSH BUTTON EXTENSION
7	45738C	PUSH BUTTON GUIDE SLEEVE
8	75672C	SCREW - CAP #6-32 X 5/16
9	45391C	DRAIN FERRULE
10	1000001926	KIT - 40045C HEX NUT (4 PC)
11	27945C	BASIN BRACKET
12	70854C	PIVOT ROD
13	40206000	RETAINER
14	51667C	BUMPER
15	50198C	.125 SNAP BUSHING
16	27946C	BASIN PIVOT BRACKET
17	50074C	TAILPIPE GASKET
18	27201C	BOTTOM COVER PLATE - SHORT
	27658C	BOTTOM COVER PLATE - LONG
19	55969C	GRANITE FTN SHORT
	56053C	GRANITE FTN LONG
20	40628C	WASTE ARM ASSY
NS	75520C	BIT - PINNED TORX

NS = NOT SHOWN

TROUBLE SHOOTING & MAINTENANCE

Orifice Assy: Mineral deposits on orifice can cause water flow to spurt or not regulate. Mineral deposits may be removed from the orifice with a small round file not over 1/8" diameter or small diameter wire. **CAUTION: DO NOT** file or cut orifice material.

Stream Regulator: If orifice is free of material deposits, regulate flow as in Start Up Instructions on page 6 (Step 2). If replacement is necessary, see parts list for correct regulator part number.

Actuation of Quick Connect Water Fittings: Cooler is provided with lead-free connectors which utilize an o-ring water seal. To remove tubing from the fitting, relieve water pressure, push in on the gray collar while pulling on the tubing. (See Figure 6, Page 6). To insert tubing, push tube straight into fitting until it reaches a positive stop, approximately 3/4".

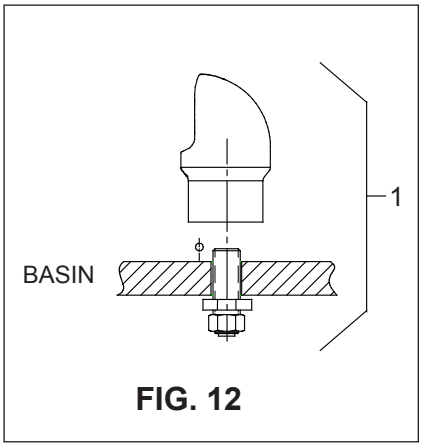


FIG. 12

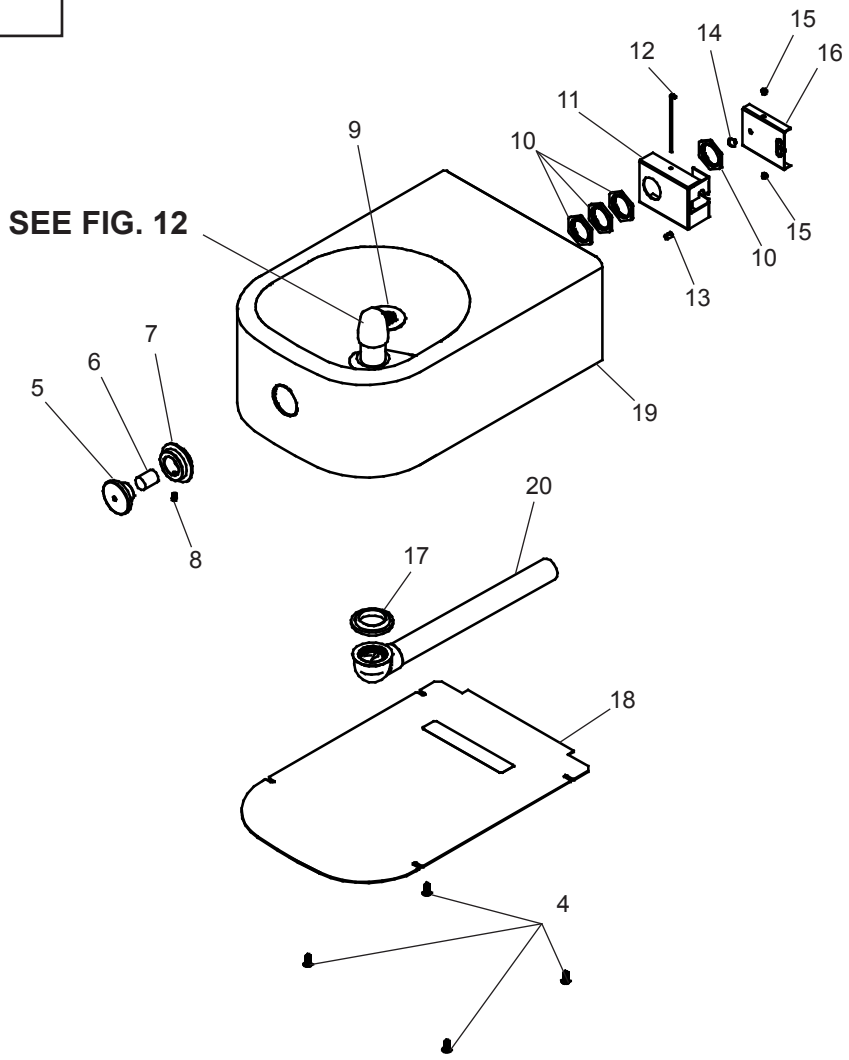


FIG. 13