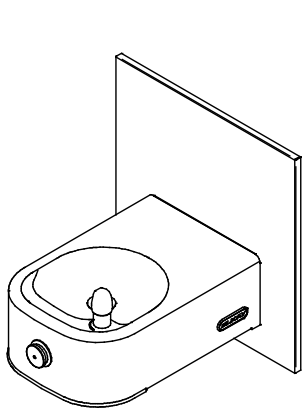
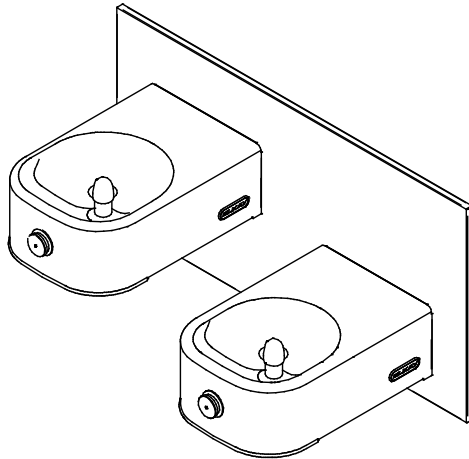


# Installation Manual

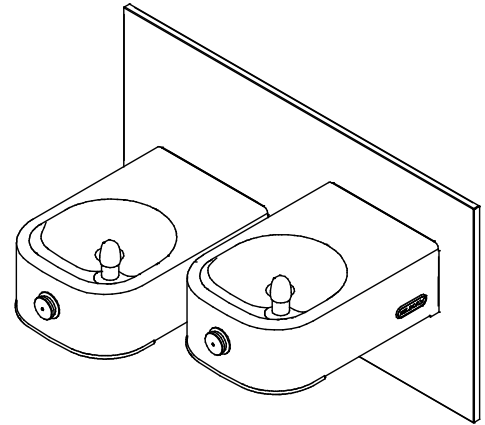
**EHW214FP EHW214FP EHW217FP EHW217FP  
EHW217FPRA EHW217FPRA  
Freeze Resistant Fountain**



**EHW214FP**



**EHW217FP**



**EHW217FPRA**

## 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 minimum temperature of 50° F (10° C). Refer to the Freeze Resistant Package for the rough-in dimensions for installation.

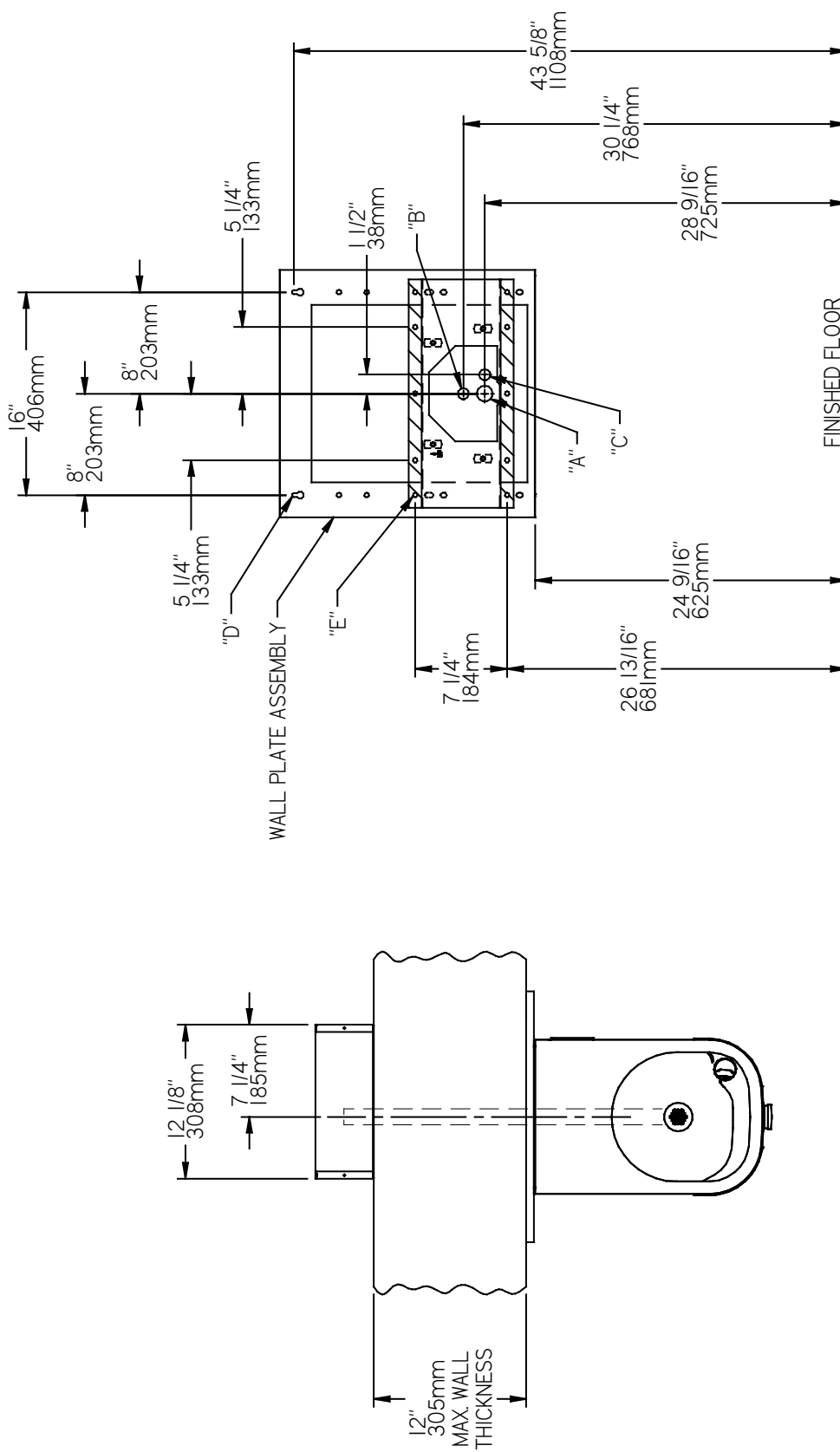
## IMPORTANT

**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.

**EHWM214FP WITH WALL PLATE ASSEMBLY  
MOUNTING BOLT AND ACCESS HOLE LAYOUT**

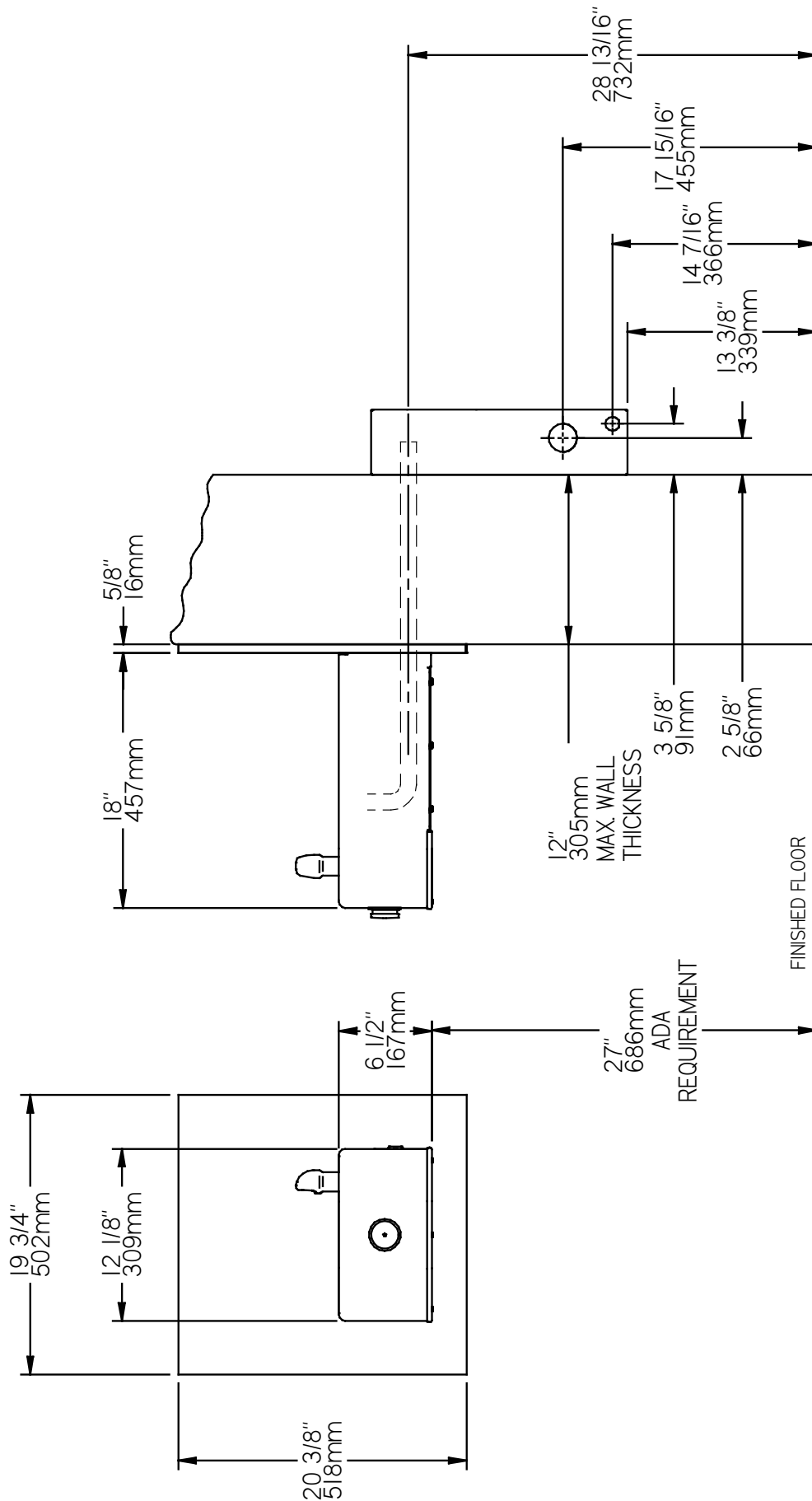


- LEGEND**
- A = 1-3/4" DIA. (44 mm) HOLE FOR WASTE LINE
  - B = 7/8" DIA. (22 mm) HOLE FOR WATER SUPPLY
  - C = 7/8" DIA. (22 mm) HOLE FOR OPERATING CABLE
  - D = 1/4" DIA. (6 mm) HOLE FOR MOUNTING PLATE TO WALL
  - E = 3/8" DIA. (10 mm) HOLE FOR MOUNTING PLATE TO WALL

**FIG. 1**

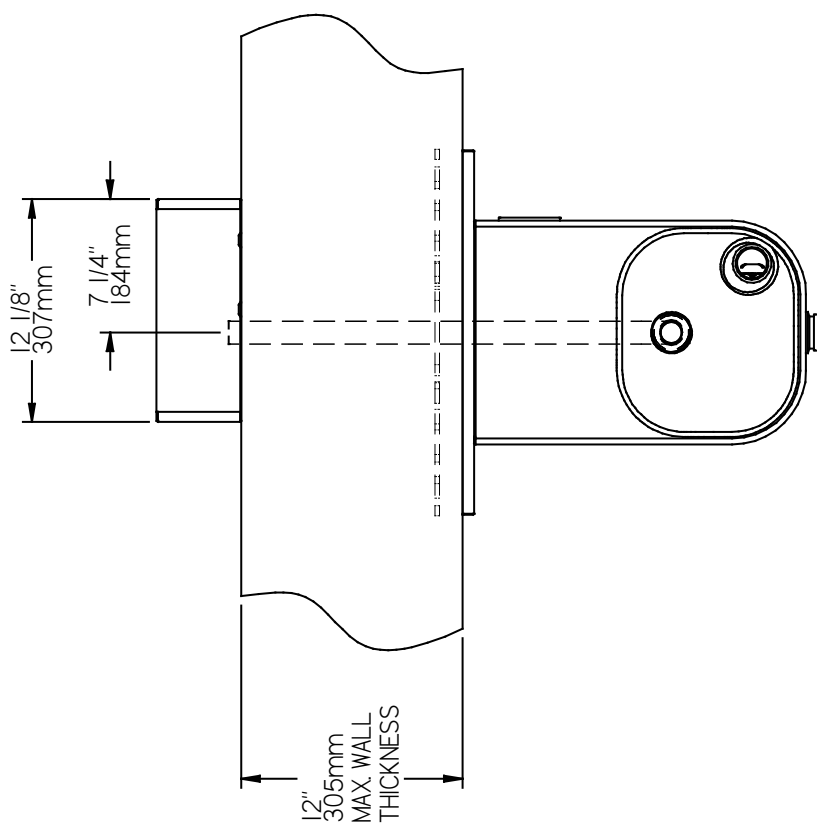
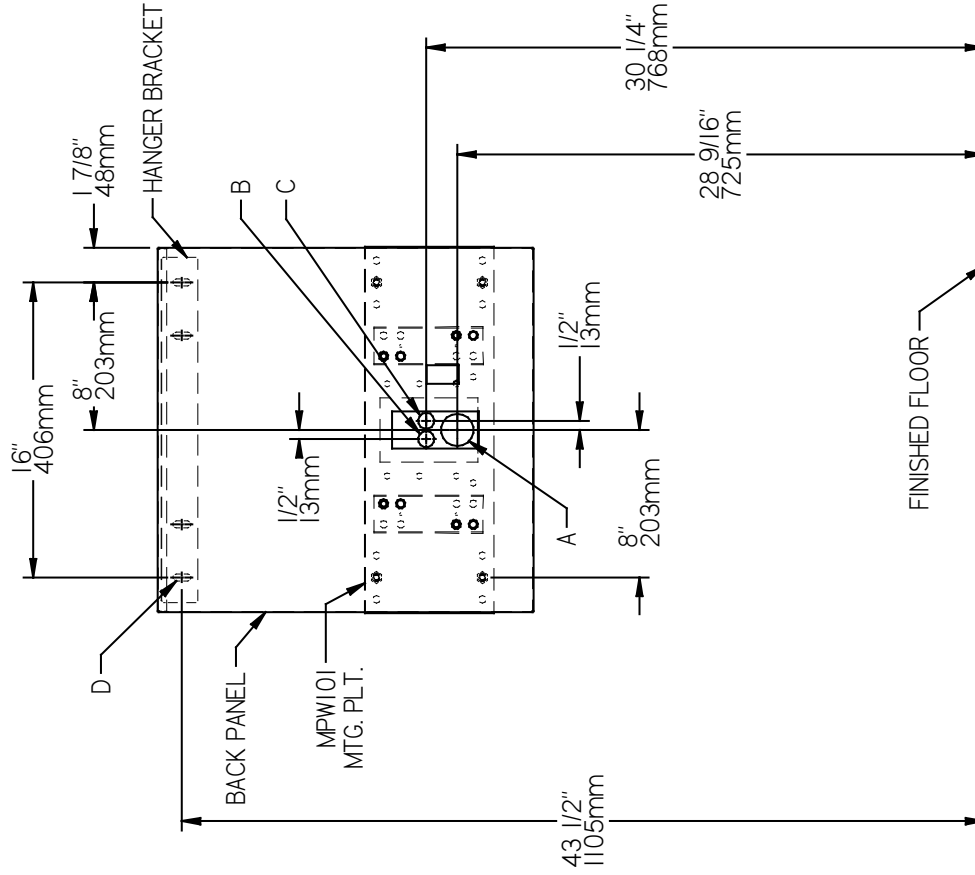
**EHWM214FP WITH WALL PLATE ASSEMBLY  
ROUGH-IN DRAWINGS**

**FIG. 2**



1. **Wall should already be framed for the fountain using dimensions shown in Fig. 1.** Shown dimensions pertain to installation location. These dimensions are required for compliance with ANSI Standard A117.1. and ADA (Framing shown for reference only).
2. **Remove bottom cover from fountain and save the screws.**
3. **Install the fountain** using bolts and washers (provided). Tighten securely.
4. **Attach drain tube** to fountain and cut to required length using the freeze resistant box as a guide.
5. **Install freeze-resistant box** - see box instructions.
6. **Replace bottom cover.**

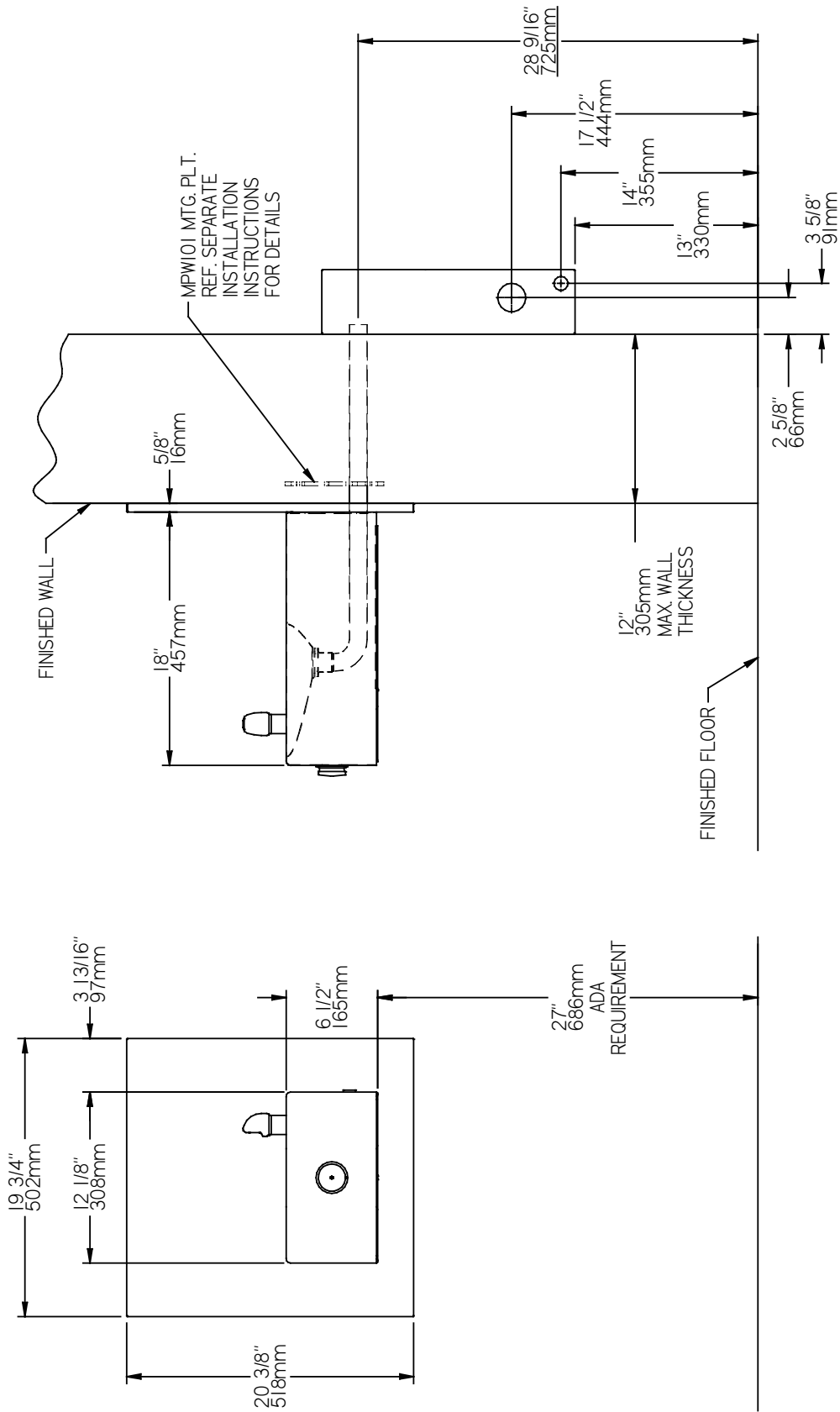
**EHW214FP WITH MPW101 MOUNTING PLATE  
MOUNTING BOLT AND ACCESS HOLE LAYOUT**



- LEGEND**
- A = 1-3/4" DIA. (44 mm) HOLE FOR WASTE LINE
  - B = 7/8" DIA. (22 mm) HOLE FOR WATER SUPPLY
  - C = 7/8" DIA. (22 mm) HOLE FOR OPERATING CABLE
  - D = 1/4" DIA. (6 mm) HOLE FOR MOUNTING PLATE TO WALL

### EHW214FP WITH MPW101 MOUNTING PLATE ROUGH-IN DRAWINGS

FIG. 4



1. Wall should already be framed for the fountain using dimensions shown in Fig. 1. Shown dimensions pertain to installation location.

These dimensions are required for compliance with ANSI Standard A117.1. and ADA (Framing shown for reference only).

2. Remove bottom cover from fountain and save the screws.

3. Install the fountain using bolts and washers (provided). Tighten securely.

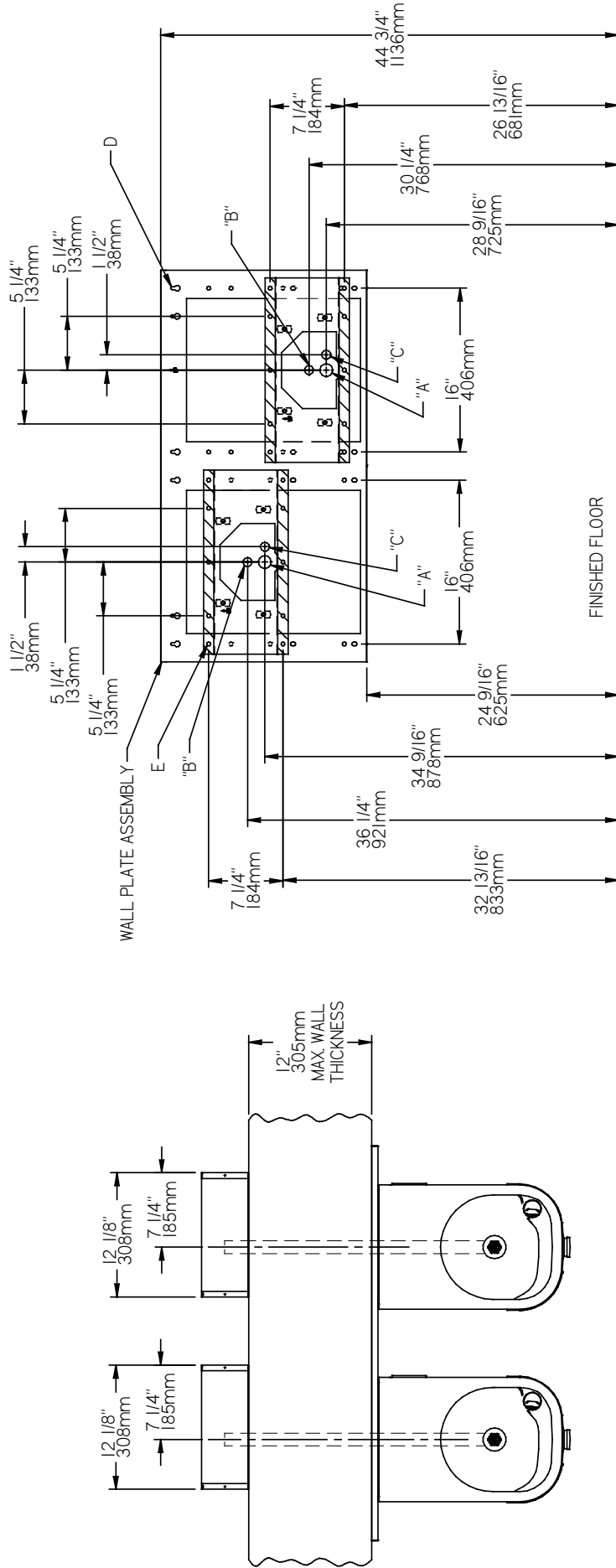
4. Attach drain tube to fountain and cut to required length using the freeze resistant box as a guide.

5. Install freeze-resistant box - see box instructions.

6. Replace bottom cover.

**EHWM217FP WITH WALL PLATE ASSEMBLY  
MOUNTING BOLT AND ACCESS HOLE LAYOUT**

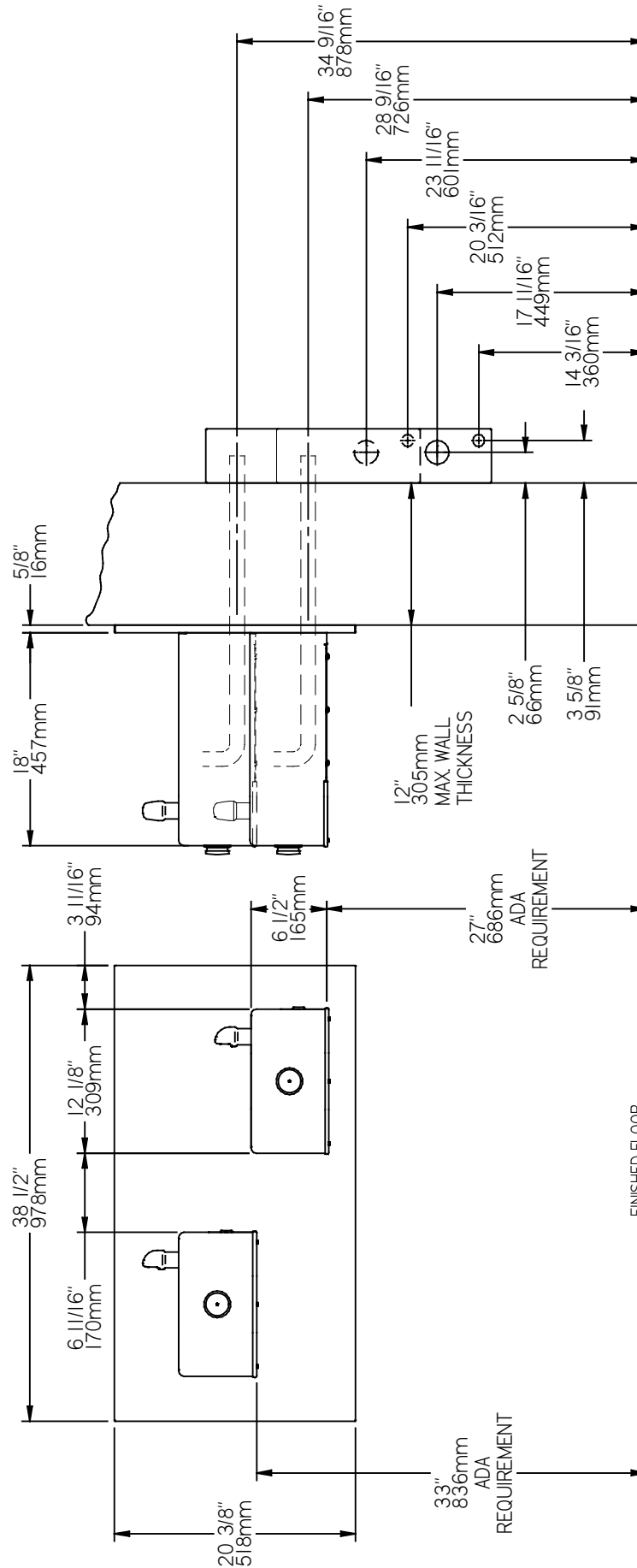
**FIG. 5**



- LEGEND**
- A = 1-3/4" DIA. (44 mm) HOLE FOR WASTE LINE
  - B = 7/8" DIA. (22 mm) HOLE FOR WATER SUPPLY
  - C = 7/8" DIA. (22 mm) HOLE FOR OPERATING CABLE
  - D = 1/4" DIA. (6 mm) HOLE FOR MOUNTING PLATE TO WALL
  - E = 3/8" DIA. (10 mm) HOLE FOR MOUNTING PLATE TO WALL

**EHWM217FP WITH WALL PLATE ASSEMBLY  
ROUGH-IN DRAWINGS**

**FIG. 6**



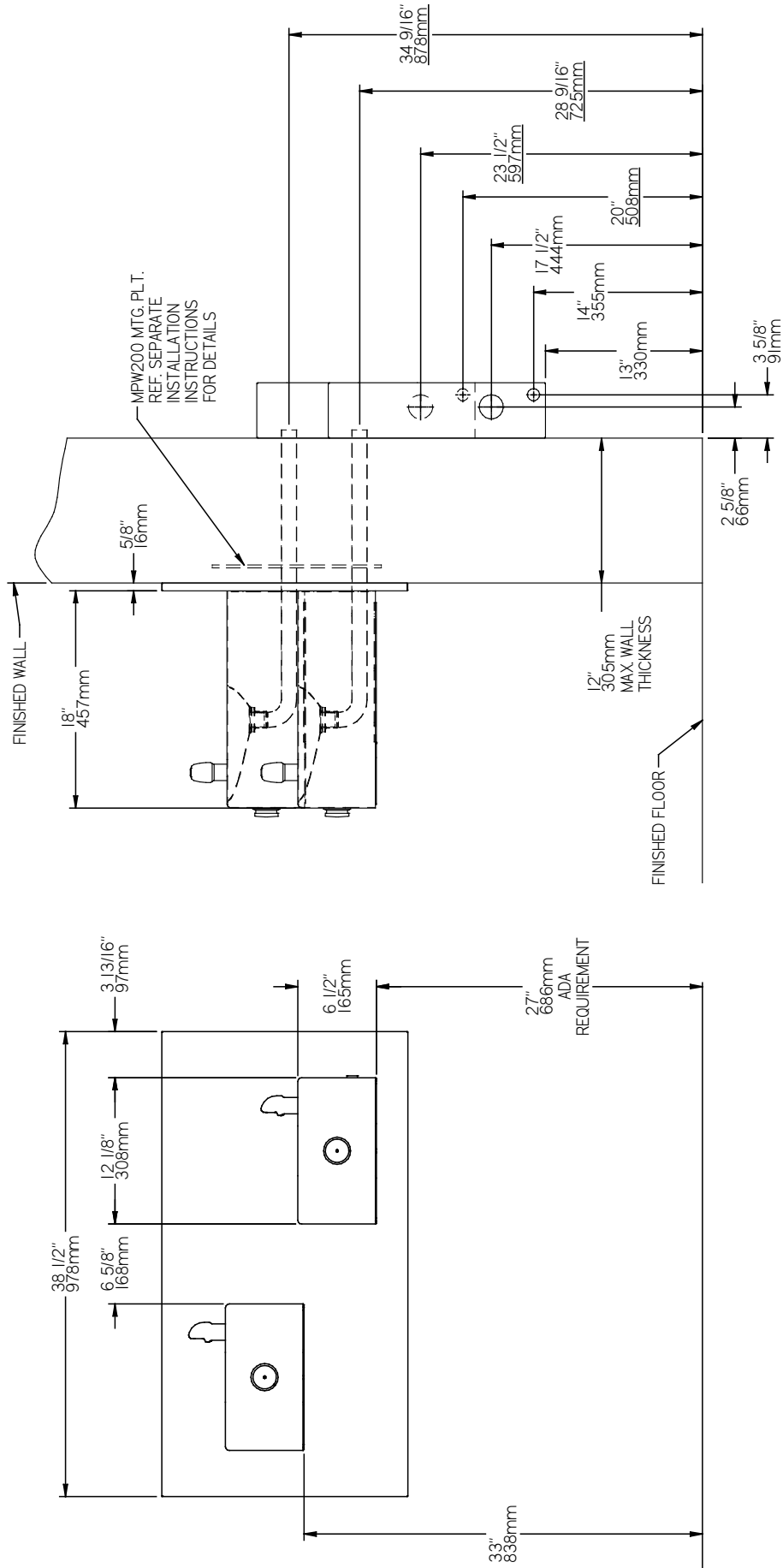
1. Wall should already be framed for the fountain using dimensions shown in Fig. 3. Shown dimensions pertain to installation location. These dimensions are required for compliance with ANSI Standard A117.1. and ADA (Framing shown for reference only).
2. Remove bottom cover from fountain and save the screws.
3. Install the fountain using bolts and washers (not provided). Tighten securely.
4. Attach drain tube to fountain and cut to required length using the freeze resistant box as a guide.
5. Install freeze-resistant box - see box instructions.
6. Replace bottom cover.





# EHW217FP WITH MPW200 MOUNTING PLATE ROUGH-IN DRAWINGS

FIG. 8

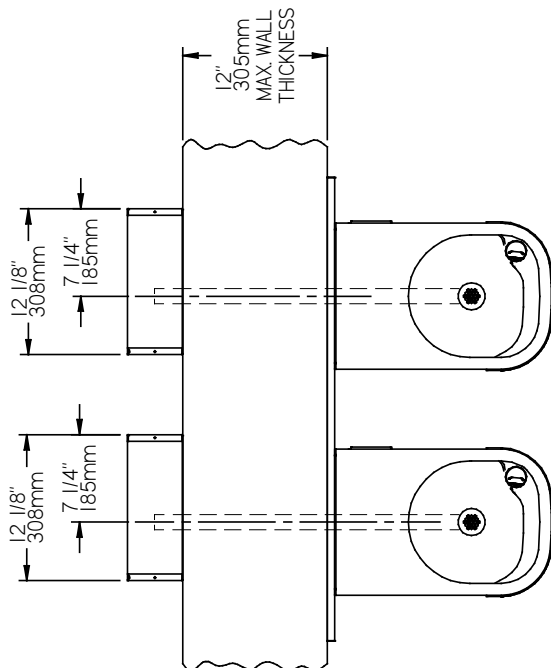
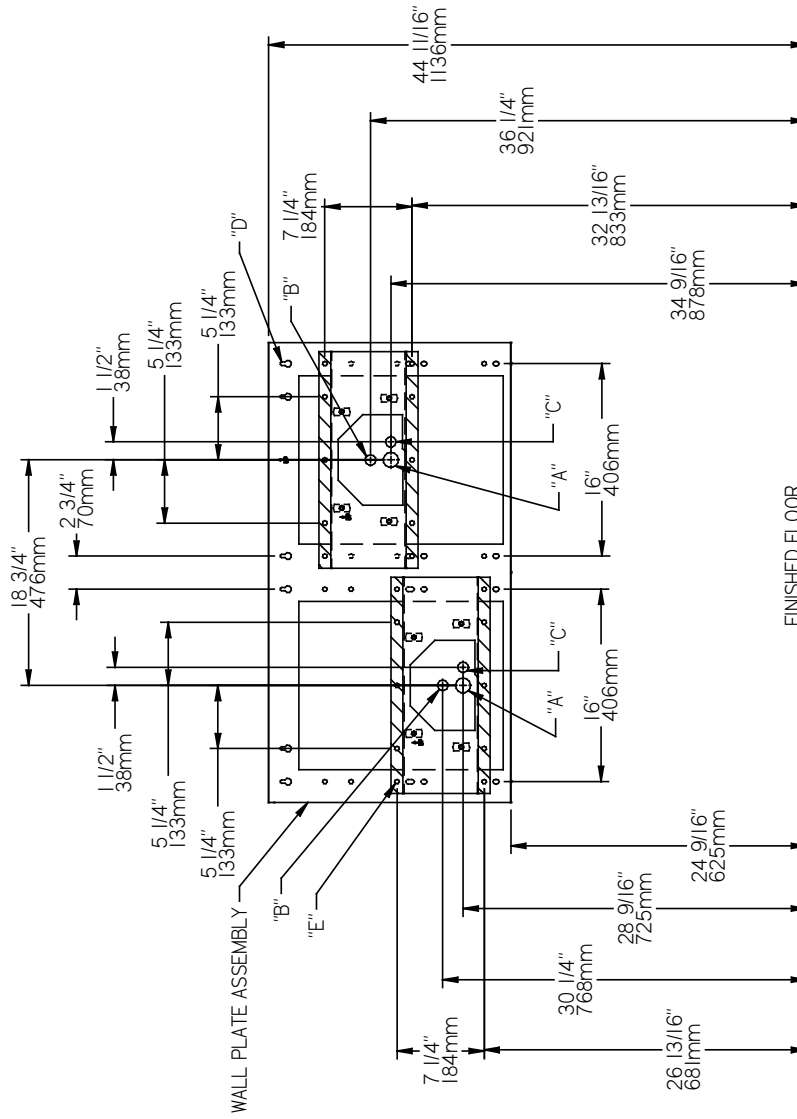


1. Wall should already be framed for the fountain using dimensions shown in Fig. 3. Shown dimensions pertain to installation location. These dimensions are required for compliance with ANSI Standard A117.1. and ADA (Framing shown for reference only).

2. Remove bottom cover from fountain and save the screws.
3. Install the fountain using bolts and washers (not provided). Tighten securely.
4. Attach drain tube to fountain and cut to required length using the freeze resistant box as a guide.
5. Install freeze-resistant box - see box instructions.
6. Replace bottom cover.

**EHW217FPRA WITH WALL PLATE ASSEMBLY  
MOUNTING BOLT AND ACCESS HOLE LAYOUT**

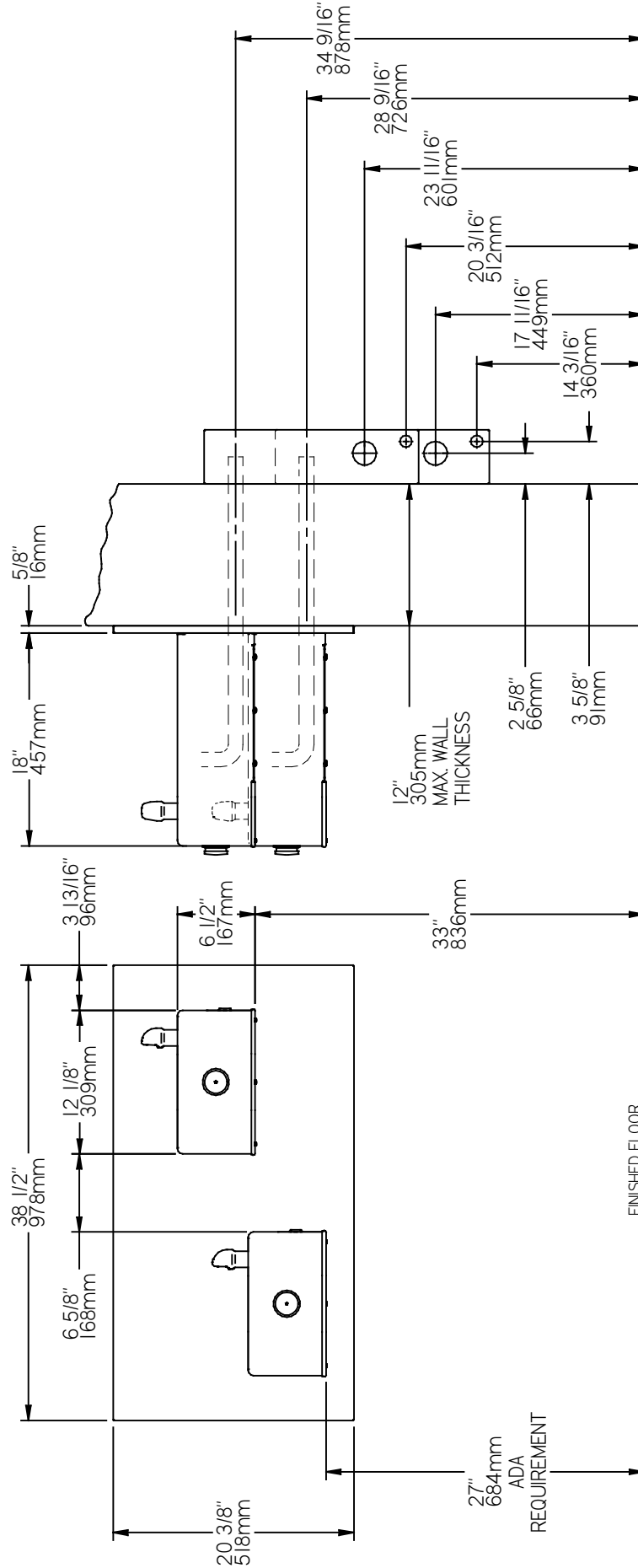
**FIG. 9**



- LEGEND**
- A = 1-3/4" DIA. (44 mm) HOLE FOR WASTE LINE
  - B = 7/8" DIA. (22 mm) HOLE FOR WATER SUPPLY
  - C = 7/8" DIA. (22 mm) HOLE FOR OPERATING CABLE
  - D = 1/4" DIA. (6 mm) HOLE FOR MOUNTING PLATE TO WALL
  - E = 3/8" DIA. (10 mm) HOLE FOR MOUNTING PLATE TO WALL

**EHWM217FPRA WITH WALL PLATE ASSEMBLY  
ROUGH-IN DRAWINGS**

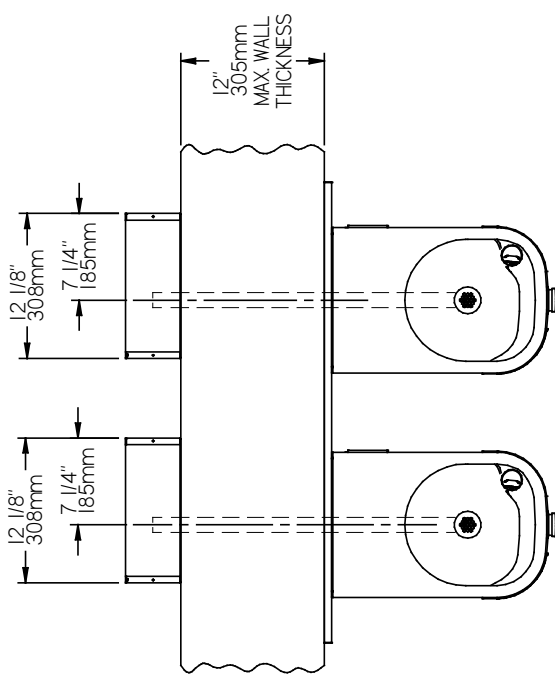
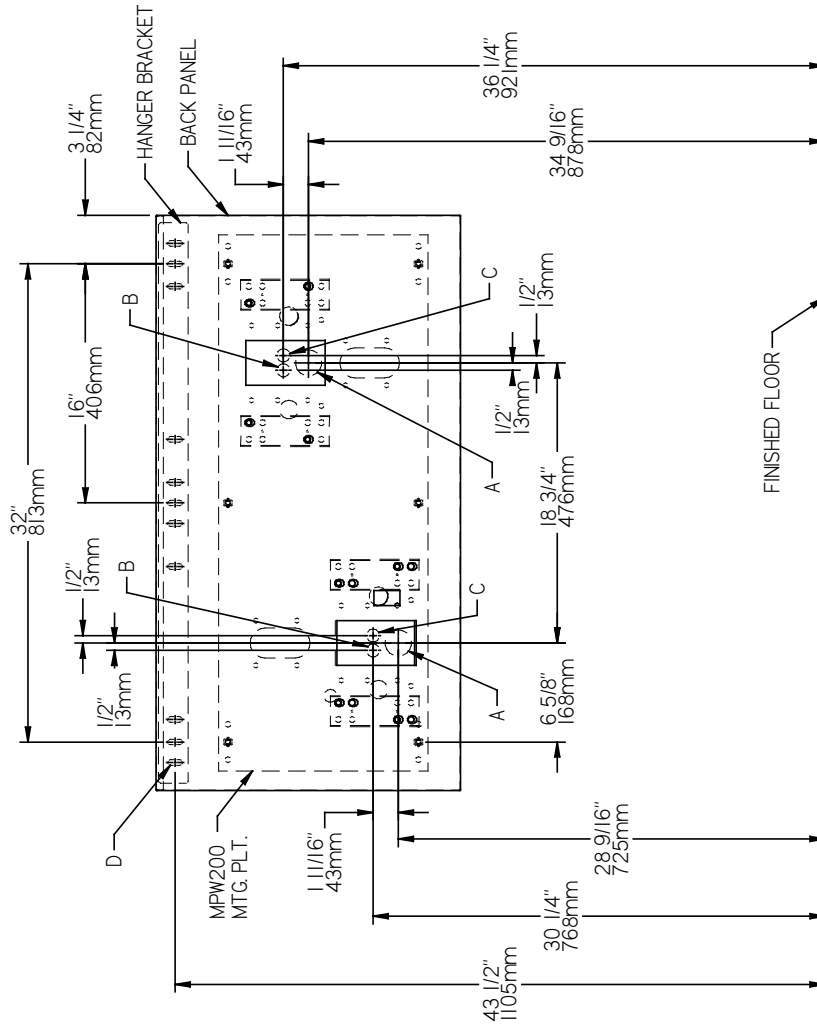
**FIG. 10**



1. **Wall should already be framed for the fountain using dimensions shown in Fig. 3.** Shown dimensions pertain to installation location. These dimensions are required for compliance with ANSI Standard A117.1. and ADA (Framing shown for reference only).
2. **Remove bottom cover from fountain and save the screws.**
3. **Install the fountain** using bolts and washers (not provided). Tighten securely.
4. **Attach drain tube** to fountain and cut to required length using the freeze resistant box as a guide.
5. **Install freeze-resistant box** - see box instructions.
6. **Replace** bottom cover.

**EHW217FPRA WITH MPW200 MOUNTING PLATE  
MOUNTING BOLT AND ACCESS HOLE LAYOUT**

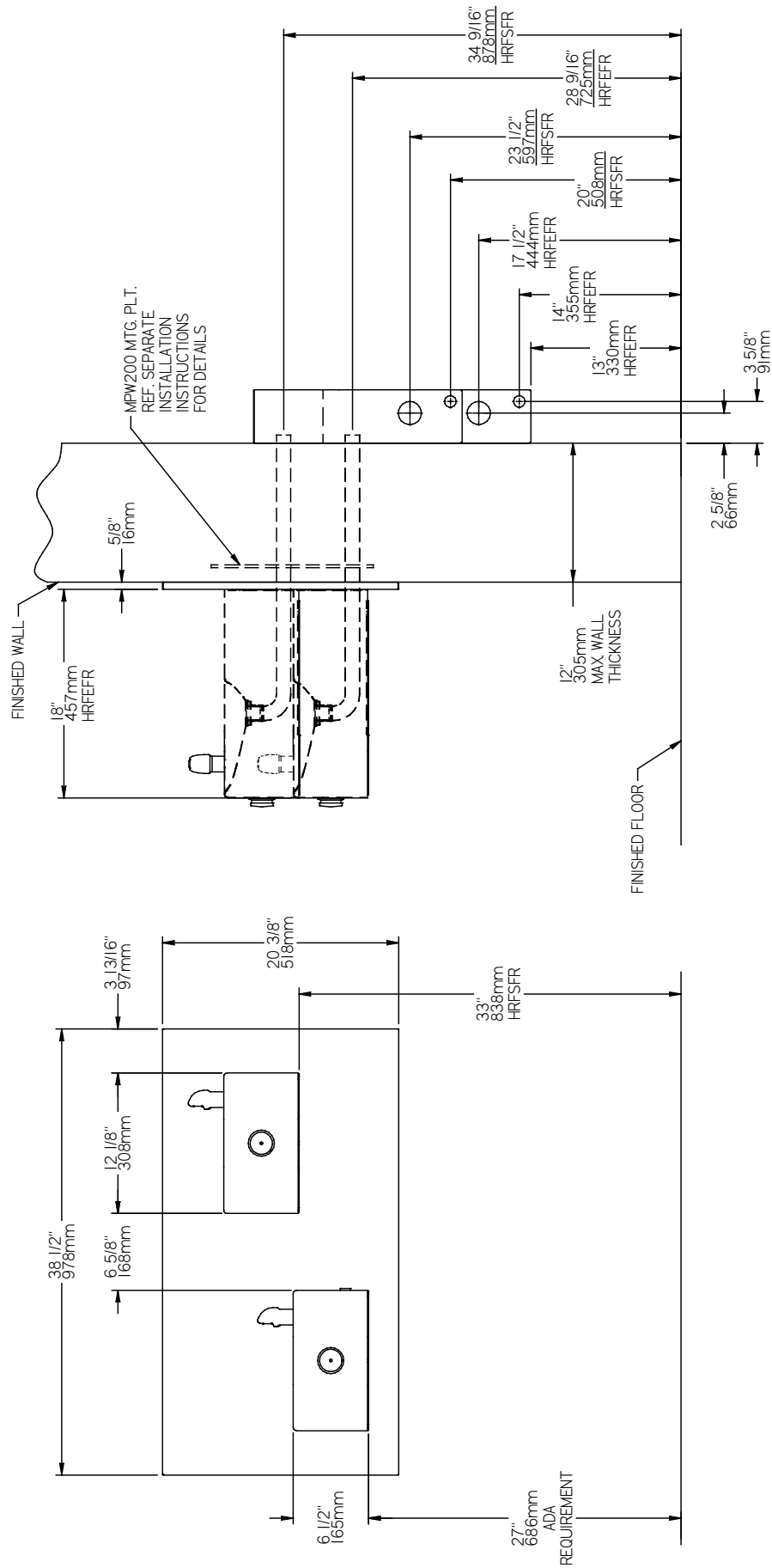
**FIG. 11**



- LEGEND**
- A = 1-3/4" DIA. (44 mm) HOLE FOR WASTE LINE
  - B = 7/8" DIA. (22 mm) HOLE FOR WATER SUPPLY
  - C = 7/8" DIA. (22 mm) HOLE FOR OPERATING CABLE
  - D = 1/4" DIA. (6 mm) HOLE FOR MOUNTING PLATE TO WALL

# EHW217FPRA WITH MPW200 MOUNTING PLATE ROUGH-IN DRAWINGS

**FIG. 12**



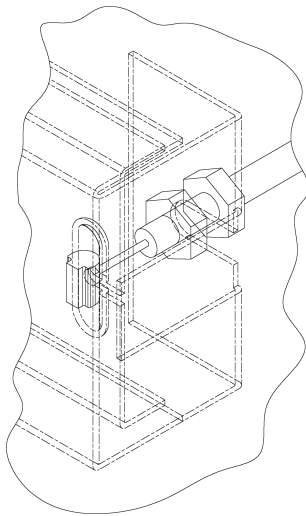
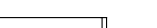
1. Wall should already be framed for the fountain using dimensions shown in Fig. 3. Shown dimensions pertain to installation location. These dimensions are required for compliance with ANSI Standard A117.1. and ADA (Framing shown for reference only).
2. Remove bottom cover from fountain and save the screws.
3. Install the fountain using bolts and washers (not provided). Tighten securely.
4. Attach drain tube to fountain and cut to required length using the freeze resistant box as a guide.
5. Install freeze-resistant box - see box instructions.
6. Replace bottom cover.

**CABLE SHEATH ADJUSTMENT**

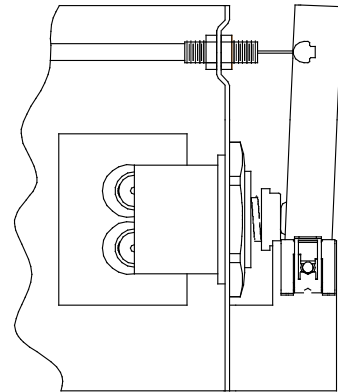
To Increase Free Play



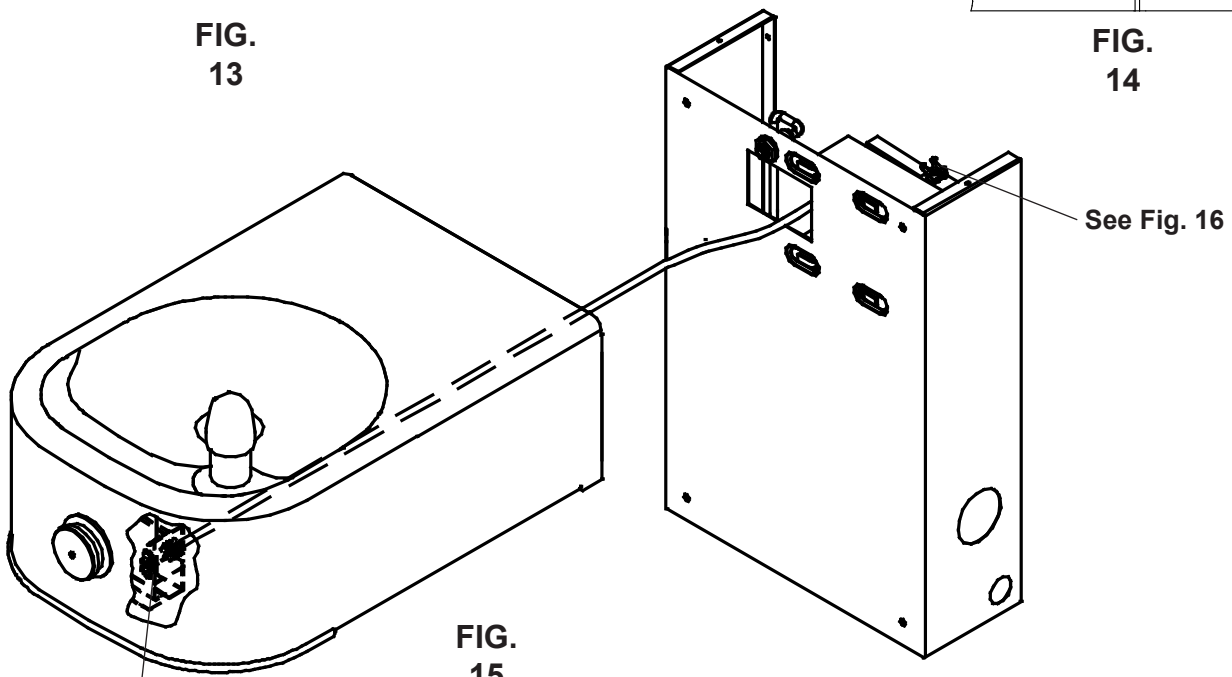
To Reduce Free Play



**FIG. 13**

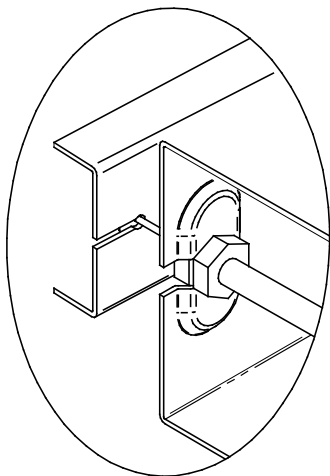


**FIG. 14**

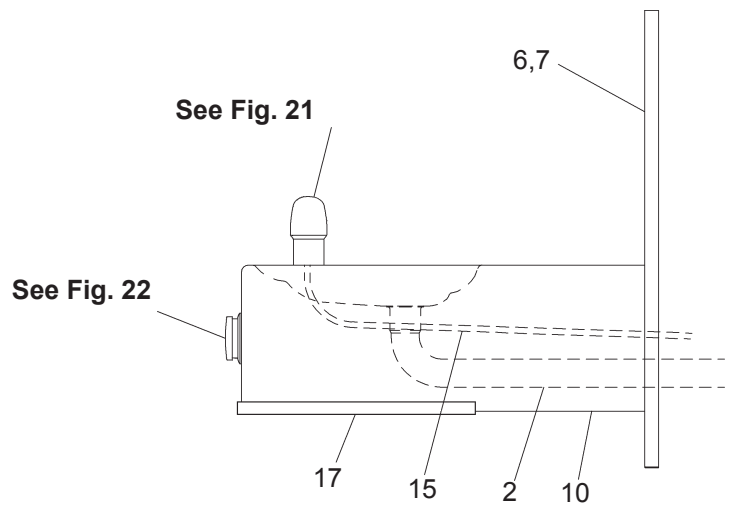


**FIG. 15**

See Fig. 13



**FIG. 16**



**FIG. 17**

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.

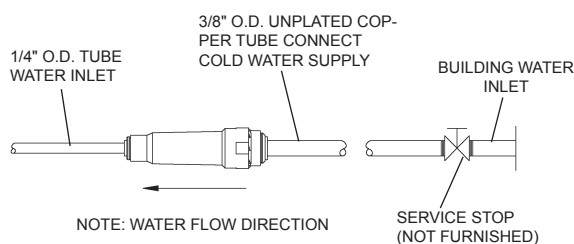
1. Assemble the operating cable to the fountain bracket. (Fountain should be mounted to exterior wall). The adjustment nuts should be in the middle of threaded area on the operating cable. See Figure 13. Create a loop in the cable and thread the free end of the cable through the wall into the freeze 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. See Figure 14.
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 19.

5. Connect drain and water supply lines to the freeze resistant fountain. Refer to Figures 1, 3, 5, 7, 9, or 11 for component positions. In-line strainer must be used on the inlet water line. See Figure 18.

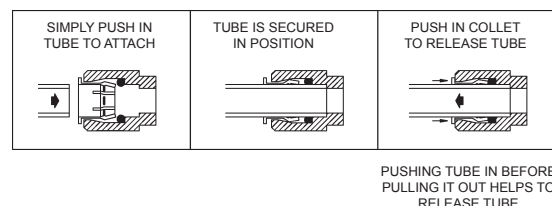
**Start-up**

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).



**FIG. 18**

**OPERATION OF QUICK CONNECT FITTINGS**



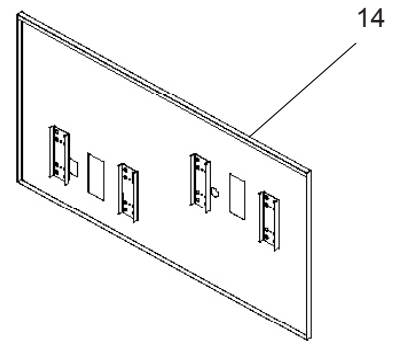
**FIG. 19**

**PARTS LIST**

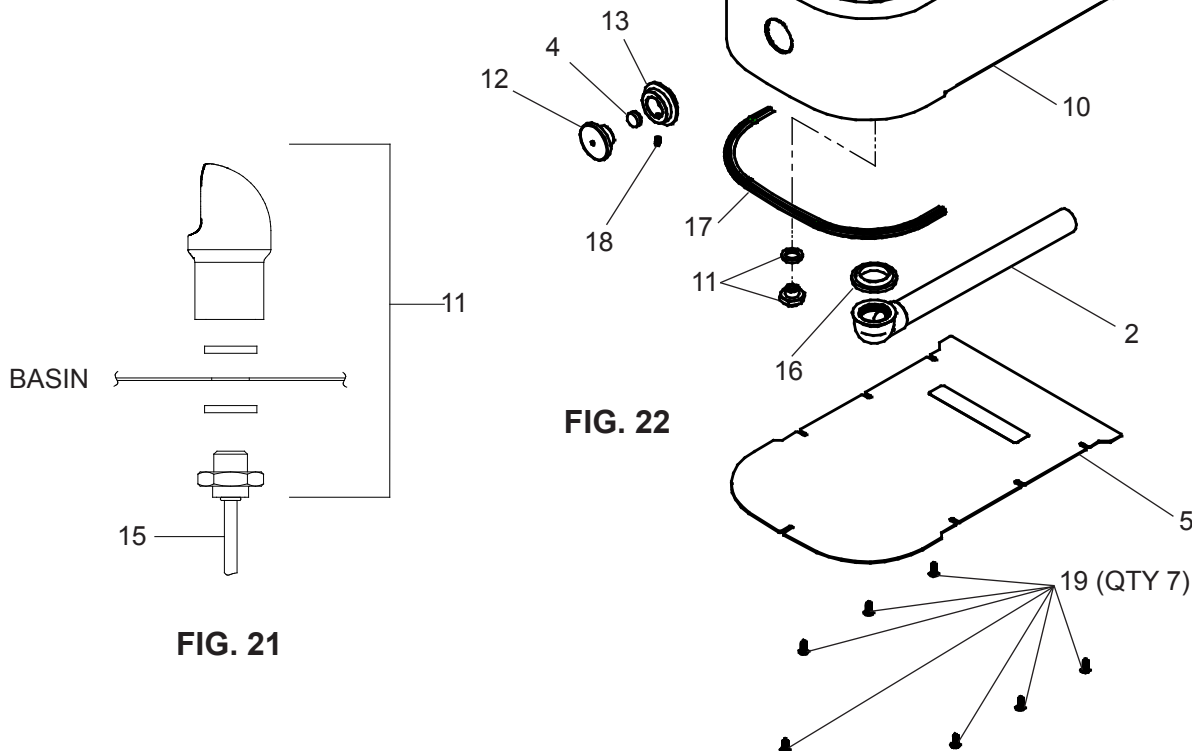
ITEM NO.	PART NO.	DESCRIPTION
1	45678C	DRAIN PLUG 1-1/2"
2	0000000930	DRAIN/TAIPIPE ASSEMBLY
3	27945C	BRACKET-BASIN
4	98872C	KIT - PIVOT BRACKET
5	28630C	BOTTOM COVER PLATE
6	28170C	WALL MTG. PLATE ASSY. (EHWM214FP)
	28159C	WALL MTG. PLATE ASSY. (EHWM217FP)
	28171C	WALL MTG. PLATE ASSY. (EHWM217FPRA)
7	28625C	BACK PANEL (EHWM214FP)
	28626C	BACK PANEL (EHWM217FP)
	28659C	BACK PANEL (EHWM217FPRA)
8	28824C	BRACKET-REGULATOR MOUNTING
9	40045C	HEX NUT 1-5/16
10	28627C	BASIN ASSEMBLY-SERVICE
11	97446C	BUBBLER ASSEMBLY
12	45662C	PUSH BUTTON
13	45737C	SLEEVE-PUSH BUTTON GUIDE
14	28840C	BACK PANEL ASY (EHW214FP)
	28841C	BACK PANEL ASY (EHW217FP)
	28842C	BACK PANEL ASY (EHW217FPRA)
15	56092C	POLY TUBING (CUT TO LENGTH)
16	56163C	DRAIN GASKET
17	56369C	EDGE TRIM - 2FT. (SERV)
18	75672C	CAP SCREW-#6-32
19	75570C	SCREW-#10 x .50 PINNED TORX
NS	111577243890	SCREW-MACH. 5/16-18 x 3/4
NS	75520C	PINNED TORX BIT T-25
NS	75541C	FLAT WASHER

NS = NOT SHOWN

**FIG. 20**



**Installing Back Panel:** When installing back panel assy. (Item 14) with MPW (Mounting Plate), attach channel braces as shown above. Remove the protective backing from the tape installed on the braces. Line up the corresponding holes in the braces and back panel and press firmly in place.



**FIG. 22**

**FIG. 21**