

HWCT8

Recessed Wall Mounted Electric Drinking Fountain



FEATURES & BENEFITS

Bubbler Head

Polished chrome-plated brass bubbler head features an integral basin shank for added strength, and is equipped with a shielded, anti-squirt orifice that provides a steady sanitary source of water.

Barrier-Free

Barrier-free capabilities combined with its ease of use allows for a number of installation location possibilities.

Finish

Beautiful #4 satin stainless steel finish basin can be easily cleaned and maintained while also resisting corrosion.

Ease of Installation

Installing Model HWCT8 drinking fountain and Model HCR8 refrigeration pack is made easy with this heavy gauge galvanized steel mounting frame.

Push Button

With its patented (Pat.# 6,981,692) push-button valve assembly which allows for front access stream adjustment as well as cartridge and strainer access, this fountain offers the ultimate in ease of maintenance.



OPTIONS

- ❑ Filter: Model 6426, 12" x 2", in-line lead removal element that reduces lead from incoming water supply.

SPECIFICATIONS

Model HWCT8 barrier-free, full recessed electric drinking fountain features a large basin with matching panel and grille manufactured of 18 gauge, Type 304 Stainless Steel with a satin finish. It is designed to be installed above a wheelchair access area. The refrigeration system is balanced to provide low energy usage/longer life by utilizing a high displacement compressor, a counterflow cooling evaporator/chiller, efficient capillary sizing, a large capacity dryer-strainer, and a fan-cooled condenser with maximum heat exchange. 115V, 60 Hz. Environmentally friendly R134a refrigerant is controlled by calibrated capillary tube. Model HWCT8 features front mounted push-button valve, vandal-resistant bubbler head and provides 8 gph of chilled water. Capacity is based on ARI standard rating conditions of 80°F inlet water temperature, 90°F room temperature, 50°F drinking water temperature.

APPLICATIONS

Perfect for either public or private indoor/outdoor settings, Model HWCT8 is a great fit in areas where aesthetics are important to the overall appeal of the architecture. Specifically, this type of fully recessed wall mounted drinking fountain may be placed in settings such as: schools and other locations in and around office buildings where the temperature remains above freezing.

Model meets all current Federal Regulations for the disabled including those in the Americans with Disabilities Act. Haws manufactures drinking fountains, electric water coolers and electric drinking fountains to be lead-free by all known definitions including ANSI/NSF Standard 61, Section 9, California Proposition 65, and the Federal Safe Drinking Water Act. Haws electric water coolers comply with ARI Standard 1010 and ANSI A117.1, and be listed by Underwriter Laboratories to U.S. and Canadian standards.





INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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E-mail: haws@hawsco.com ♦ website: www.hawsco.com

No. 2080317(10)

Model HWCT8 Water Cooler

NOTE TO INSTALLER: Please leave this information with the Maintenance Department.

A ground-fault circuit breaker shall be installed in the branch circuit supplying fountain equipment. NEC680-51(a).

CAUTION! Prior to making any electrical connections, verify with a voltmeter that power from the service panel is **off**.

LIMITED WARRANTY

HAWS® warrants that all of its products are guaranteed against defective material or poor workmanship for a period of **one year from date of shipment**. HAWS liability under this warranty shall be discharged by furnishing without charge F.O.B. HAWS Factory any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first class workmanship, provided that claim is made in writing to company within a reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the Company, prepaid, for inspection. HAWS will not be liable for the cost of repairs, alterations or replacements, or for any expense connected therewith made by the owner or his agents, except upon written authority from HAWS, Sparks, Nevada. HAWS will not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that Haws has made no other warranties either expressed or implied in addition to those above stated, except that of title with respect to any of the products or equipment sold hereunder and that HAWS shall not be liable for general, special, or consequential damages claimed to arise under the contract of sale. The drinking fountain manufactured by HAWS is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended.

NO OTHER WARRANTIES EXPRESSED OR IMPLIED ARE AUTHORIZED, PROVIDED OR GIVEN BY HAWS.

SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL, PLEASE CALL:

1-800-766-5612

FOR PARTS CALL:

1-800-758-9378

**(U.S.A. AND CANADA ONLY) MONDAY-THURSDAY: 6:00 A.M. – 4:00 P.M. PST
FRIDAY: 6:00 A.M – 1:00 P.M. PST**

RECOMMENDED TOOLS: Hack saw; pipe joint sealant, screwdriver, level, 12" adjustable wrench, 10" pipe wrench, 5/64" hex key wrench, 9/16", 1/2", 7/16" socket wrench or open end wrench.

LOCATION OF UNIT: The Model HWCT8 Cooler is a wheelchair accessible drinking water facility. The height dimensions shown, meet current ADA requirements. When installing this unit, local, state or federal codes should be adhered to. If height other than shown is required, then dimensions must be adjusted accordingly.

SUPPLY LINE: The minimum recommended line size is 1/2"IPS with 30-90 psi (2-6 ATM) pressure. Where sediment or mineral content is a problem, an inlet filter is recommended.

PLUMBING CONNECTIONS: Inlet is 3/8"O.D. tube. Waste trap outlet is 1-1/4" O.D Tube.

ELECTRICAL CONNECTIONS: 115VAC, 60HZ, 4.7 AMPS. Chiller wired direct to incoming line, by others.

PARTS LIST		
MODEL PACKAGE	QUANTITY	ITEMS INCLUDED
MTGFR.HWCT HCR8 HWCT8	1	Mounting Frame
	2	#10 Sheet Metal Screws
	1	Chiller
	1	Bowl Assembly
	1	Package supply tubing and strainer
	1	Panel
	1	Grille
	1	Package of four each-grille attachment, attachment clips, clip nuts, #10 sheet metal screws and 6-32 screws and 10-24 wing nuts.

INSTALLATION PROCEDURE

GENERAL NOTES:

The Model HWCT8 Water Cooler assembly requires installation of the mounting frame as described in Steps 1 - 2, then mounting the fountain bowl assembly as described in Steps 3 - 6, and finally completing chiller water and electrical connections and starting chiller per Steps 7 - 10. First check that all required parts are received.

Grounding may cause electrical feedback into the electric drinking fountain causing an electrolysis, which creates a metallic taste or an increase in the metal content of the water. This condition can be avoided by using dielectric couplings in the assembly. The fountain is furnished with a nonmetallic strainer at the supply, which should meet this requirement. The waste line, which is supplied by the installer, should also have a dielectric (plastic) coupling to completely isolate the assembly from the building plumbing system.

For all plastic push-in type fitting connections; push tubing into fitting until it bottoms out to ensure a watertight connection. To remove, depress collet and pull tubing out.

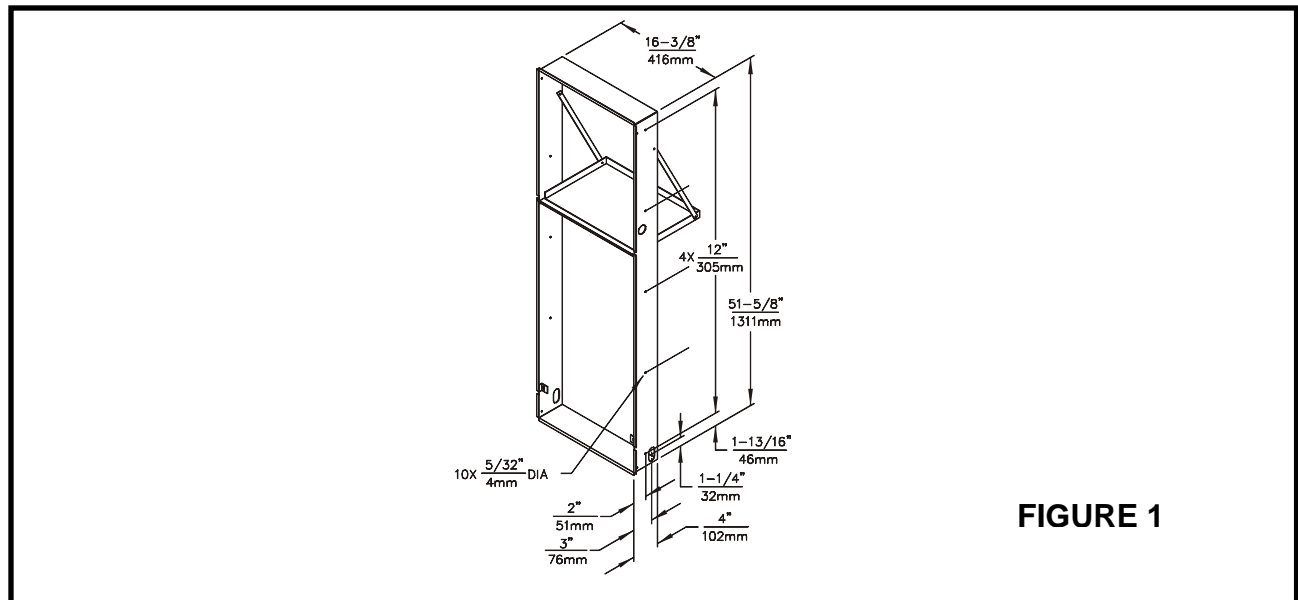


FIGURE 1

INSTALLATION PROCEDURE ...

Step 1: Provide wall opening as detailed in Installation Drawing. Frame must be positioned such that frame flanges overlap and butt against finished wall surface. Mounting holes are provided for #6 sheet metal screws. After frame is positioned in wall, swing chiller support tray into position (see Installation Drawing), align tray holes with holes in frame and fasten with #10 sheet metal screws. Mounted frame must support 50-pound chiller in addition to fountain weight and user generated forces.

Note: Trap will not fit directly below fountain receptor. Drain-waste-vent trap (by others) must be installed, per local codes, to the side of wheelchair access area. Service access to trap must be provided.

Step 2: Install waste, supply and electrical lines in locations shown in Installation Drawing. Waste and supply lines maybe installed for either rear or side entry. Verify proper waste, supply, electrical and frame locations. Use level to verify horizontal and vertical frame mounting to insure proper bowl drainage.

Step 3: Unpack fountain bowl, tilt bowl and insert into frame (see Installation Drawing), placing waste end behind lower frame crosspiece. Hook top flange of bowl behind top frame flange and swing bowl into position with studs projecting through slots in lower frame crosspiece. Fasten in position with two hand-tightened 10-24 UNC wing nuts.

Step 4: Remove bowl waste slip joint nut and install the 1-1/4" O.D. waste elbow between waste outlet and trap, cutting to length if required. Tighten slip joint nuts.

Step 5: See Figure 2 for detail section view of side screw grille attachment. Unpack grille and insert lower lip behind bowl, align sides and hold up flush to bottom of top of bowl. Hold grille against wall and mark centers of grille side slots on wall. Masking tape may be used to prevent finished wall damage from mark. Install the "s" clips in mounting frame using #10 sheet metal screws into pre-drilled holes on lower end of each side of frame. Tighten #10 screws while holding "s" clips centered on wall marks. Check grille fit by installing grille and partially tightening # 6-32 socket head screws through side of grille.

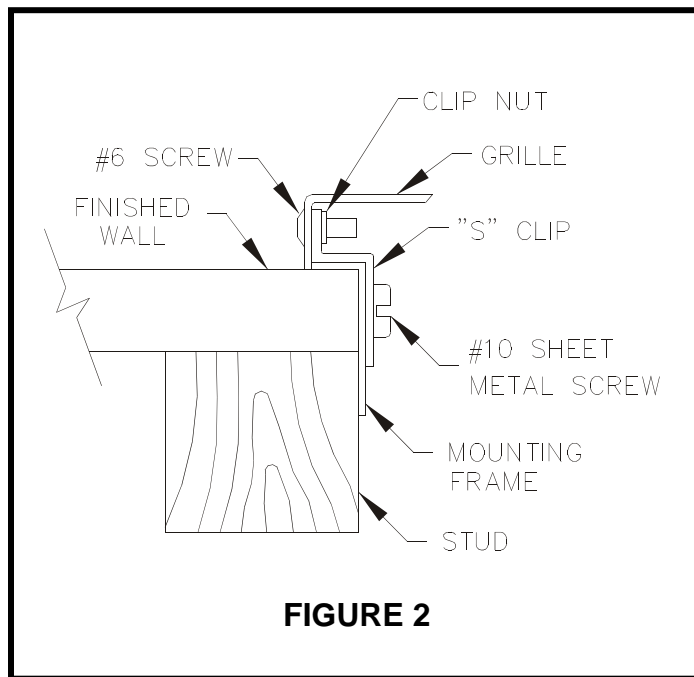


FIGURE 2

- Step 6:** Similarly complete the lower panel "s" clip installation. Check lower panel alignment by partially installing side screws.

- Step 7:** Unpack and remove chiller from carton. Remove front panel screws and panel. Do not remove insulating putty and foam from copper tubes or Styrofoam insulation from evaporator coil. Remove any inner packing, which may be around compressor. If applicable, remove junction box cover and electrical knock out on lower right side of housing. Install fittings (supplied) in chiller inlet and outlet tubes (See Installation Drawing).

- Step 8:** Thoroughly flush supply line to remove all foreign matter. Connect 1/2" IPS supply screwdriver stop (not supplied) to stub-out in wall. Place chiller on chiller support tray against right hand side, fully to rear, with condenser (open panel) side facing to front. Install supply 3/8" O.D. tubing (not supplied) between screwdriver stop and chiller inlet. (Cut tubing to proper length, and follow general notes for proper connection procedures for push-in type fittings). Tubing insulation is not normally required on inlet side of chiller. Install insulated tube between fountain and chiller outlet. Open screwdriver stop wide open while checking for leaks at all connections. Also check waste for leaks.

- Step 9:** Verify that electrical power is off and power supply voltage, phase and cycle match specifications printed on chiller label. In accordance with local codes, wire directly to incoming lines at internal chiller junction box. Verify that all inner packing is removed and hand rotate fan blade to verify free rotation. Reattach chiller front panel. Turn power on and verify that chiller cycles off after water reaches proper temperature. Finally check for leaks.

- Step 10:** Install grille and tighten outer side screws. Verify there is chilled water out of bubbler.

MAINTENANCE

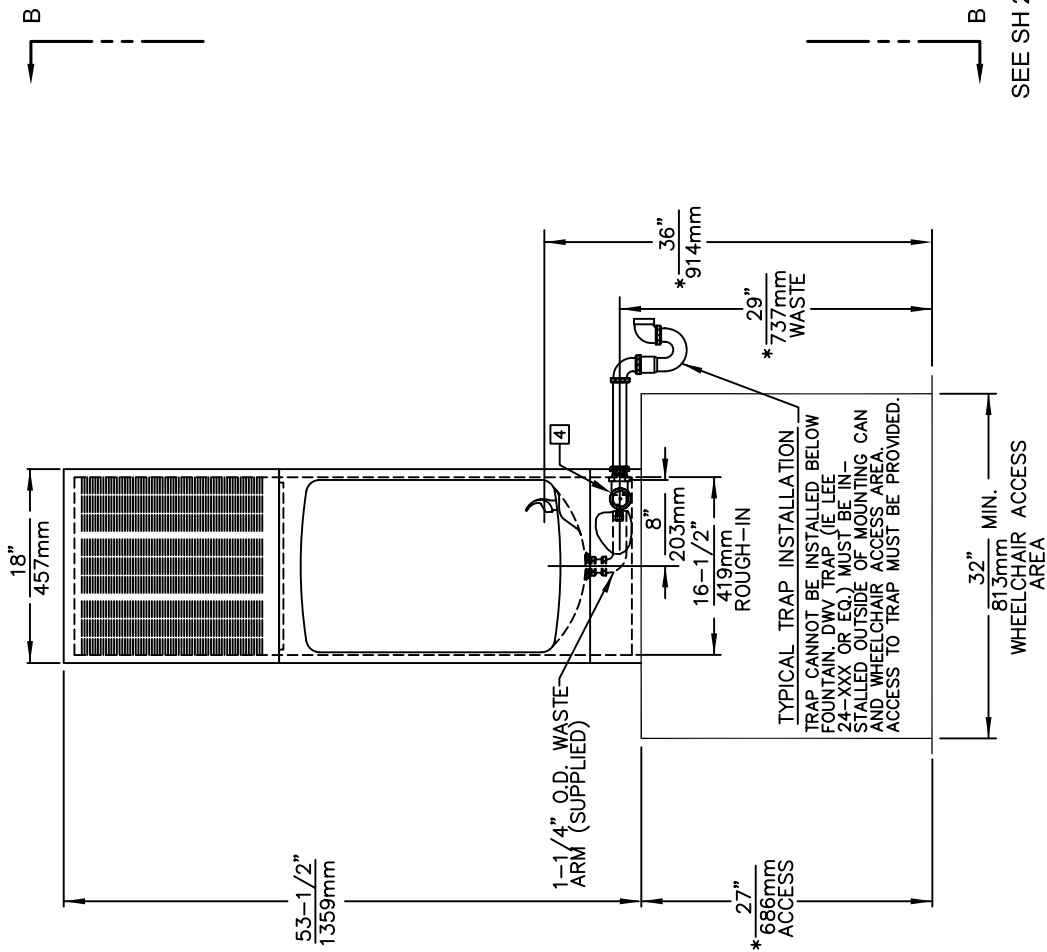
- Step 1:** Periodically clean the strainer located inside the valve body. Refer to 5874 Valve Manual for more information.
- Step 2:** The condenser fins on chiller should be periodically cleaned with brush, air hose or vacuum cleaner. Care should be taken not to bend or deform the condenser fins.
- Step 3:** The chiller temperature control is factory set for 50 °F water under normal conditions. For colder water, adjust control clockwise. For warmer water, turn counterclockwise. Remove front chiller panel for access to temperature control. After adjustment allow unit to cycle off before checking outlet water temperature.

TROUBLESHOOTING	
PROBLEM	REPAIR CHECKLIST
1. Insufficient bubbler flow.	1a. Check that inlet screwdriver stop valve is in wide-open position. 1b. Verify minimum 30 psi flowing supply pressure. 1c. Clean strainer. See 5874 Valve Manual. d. Adjust valve to increase flow. Use front adjust screw or see 5874 Valve Manual.
2. Water too warm or cold.	2a. Adjust chiller temperature control, clockwise for colder water.

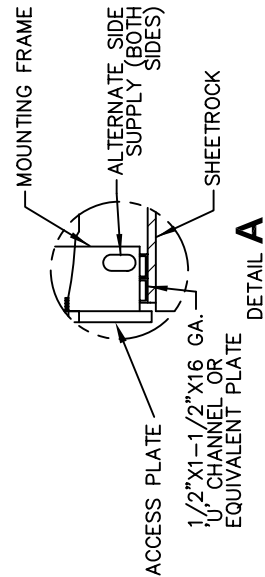
FOUNTAIN REPLACEMENT PARTS LIST		
MODEL/PART #	QUANTITY USED	DESCRIPTION
5705	1	Bubbler head
-	1	Strainer waste PCP
-	4	Nut 6-32 clip grille
-	4	Screw 6-32 x 3/8" BTN HD
-	4	SOC
5874	1	Complete valve assembly

NOTES:

1. WHEN INSTALLING THIS UNIT, LOCAL, STATE, OR FEDERAL CODES SHOULD BE ADHERED TO. FOR DIMENSIONS (LOCATIONS), WASTE AND SUPPLY REQUIREMENTS OTHER THAN SHOWN, DIMENSIONS MARKED (*) MUST BE ADJUSTED ACCORDINGLY.
2. ALIGN HOLES IN CHILLER SUPPORT TRAY WITH HOLES IN FRAME AND FASTEN WITH #10 SHEETMETAL SCREWS.
3. HOLD ROUGH-IN DIMENSIONS $\pm 1/8"$ (3.2mm)
4. REFER TO 5874/VRK5874 OPERATION AND MAINTENANCE MANUAL FOR PUSH BUTTON AND VALVE INSTALLATION/MAINTENANCE INSTRUCTIONS.
5. CUT 1/4" O.D. COPPER TUBING ON BOTH INLET AND OUTLET SIDES TO DIMENSION SHOWN ON SHEET 2 OF 2, DETAIL B.



SEE SH 2

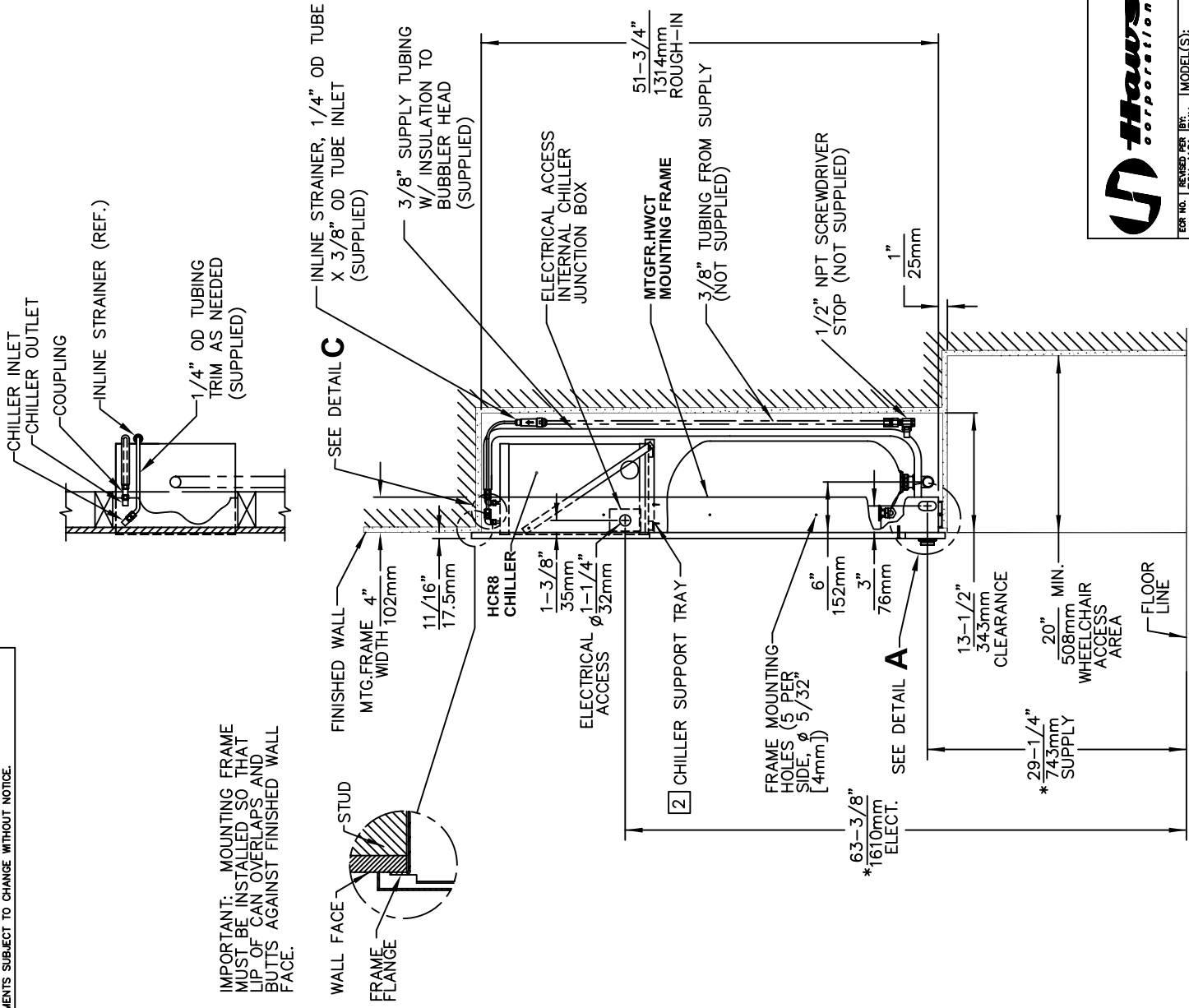
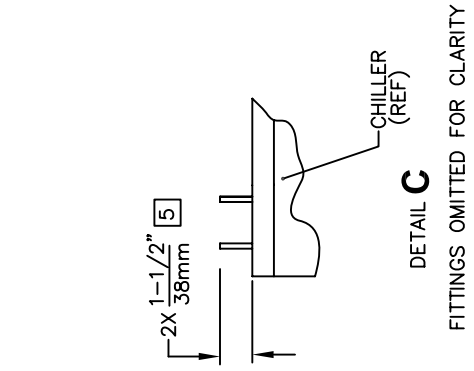


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REV	DATE	BY	CHKD	APP'D	SCALE	TYPE
10	07/09/92	ENR	4181	1818	1:1	INSTALLATION/FABRICATION
MODEL(S): HWCT8						
INFO FAX DOC # 249288						
PART NUMBER: 0002080317.D						
DRAWING NUMBER: 1023200						
SIZE: A 1 SH. 1 OF 2						

THIS DOCUMENT IS TRUE AND CORRECT AT TIME OF PUBLICATION. CONTINUED PRODUCT IMPROVEMENTS MAKE SPECIFICATIONS AND MEASUREMENTS SUBJECT TO CHANGE WITHOUT NOTICE.

REV. 10232C00



IMPORTANT: MOUNTING FRAME MUST BE INSTALLED SO THAT LIP OF CAN OVERLAPS AND BUTTS AGAINST FINISHED WALL FACE.

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REV. NO.	REVISED PER	BY	DATE	MODEL(S)
10	ENCL 4181	PKM	07/06/92	HWCT8
C.L.	APPROVER			
				INFO FAX DOC # 249288
				SCALE: 1:18 DRAWING TYPE: INSTALLATION/FABRICK
				PART NUMBER: 0002080317.D
				DRAWING NUMBER: 10232C00
				REV: 10
				SIZE: A SHT. 2 OF 2