



CORNELIUS INC One Cornelius Place Anoka, MN 55303-6234

Telephone (800) 238-3600

Facsimile (612) 422-3246

ICE/BEVERAGE DISPENSER MODEL: TRIAD-150

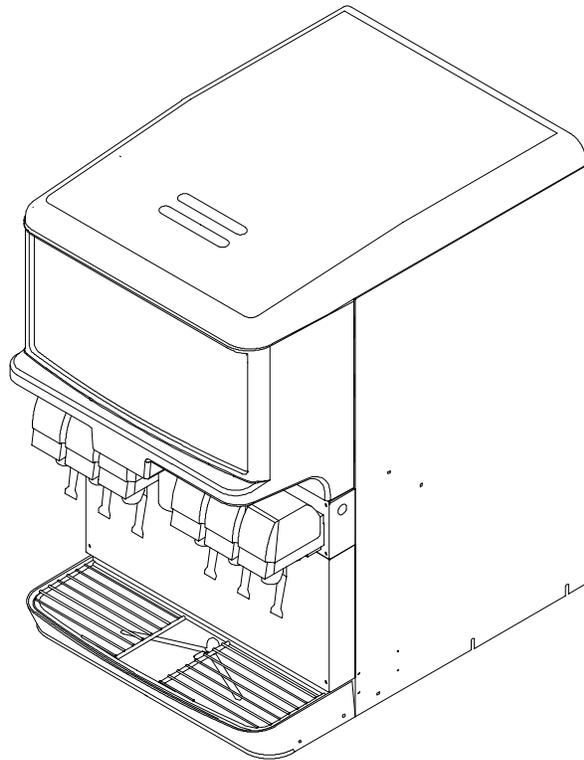
Installation Manual

IMPORTANT:

TO THE INSTALLER.

It is the responsibility of the Installer to ensure that the water supply to the dispensing equipment is provided with protection against backflow by an air gap as defined in ANSI/ASME A112.1.2-1979; or an approved vacuum breaker or other such method as proved effective by test.

Water pipe connections and fixtures directly connected to a potable water supply shall be sized, installed, and maintained according to Federal, State, and Local Codes.



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THIS DOCUMENT CONTAINS IMPORTANT INFORMATION

This Manual must be read and understood before installing or operating this equipment

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SAFETY PRECAUTIONS

This ice dispenser has been specifically designed to provide protection against personal injury and eliminates contamination of ice. To ensure continued protection and sanitation, observe the following:

ALWAYS: disconnect power to the dispenser before servicing or cleaning.

NEVER: place hands inside of hopper or gate area without disconnecting power to the dispenser. Agitator rotation occurs automatically when dispenser is energized!

ALWAYS: be sure the removable lid is properly installed to prevent unauthorized access to the hopper interior and possible contamination of the ice.

ALWAYS: be sure the upper and lower front panels are securely fastened.

ALWAYS: keep area around the dispenser clean of ice cubes.



CAUTION: Dispenser cannot be used with crushed or flaked ice. Use of bagged ice, which has frozen into large chunks, can void warranty. The dispenser agitator is not designed to be an ice crusher. Use of large chunks of ice which "jam up" inside the hopper will cause failure of the agitator motor and damage to the hopper. If bagged ice is used, it must be carefully and completely broken into small, cube-sized pieces before filling into the dispenser hopper.

DESCRIPTION

The "ENDURO" series of ice dispensers solves your ice and beverage service needs in a sanitary, space saving, economical way. Designed to be manually filled with ice from any remote ice-making source or top-mount ice maker, these dispensers will dispense cubes (up to 1-1/4" in size), cubelets and hard-chipped or cracked ice; and, in addition, several flavors of post-mix beverages. "BC" units include beverage faucets and a cold plate and are designed to be supplied direct from syrup tanks and carbonator, with no additional cooling required.

IMPORTANT: For dispensing Scotsman "pellet" style ice (Model MH750 Ice makers), Kit Ice Diverter must be installed on the dispenser. (See INSTALLATION INSTRUCTIONS on page 2).

SPECIFICATIONS

Model:	TD150 (TRIAD-150)
Ice Storage:	150 lbs
Maximum Number of Faucets Available:	6 maximum
Built-in Cold Plate:	Yes, on BC models only
Electrical:	120/1/60, Amps 3.0 total unit draw
Dimensions:	22 1/2" Wide X 30 1/2" Deep X 35-5/8" High

INSTALLATION INSTRUCTIONS

IMPORTANT: TO THE INSTALLER.

It is the responsibility of the Installer to ensure that the water supply to the dispensing equipment is provided with protection against backflow by an air gap as defined in ANSI/ASME A112. 1.2-1979; or an approved vacuum breaker or other such method as proved effective by test.

Water pipe connections and fixtures directly connected to a potable water supply shall be sized, installed, and maintained according to Federal, State, and Local laws.

1. Locate the dispenser indoors on a level counter top.

A. LEG OPTION

Unpack the four (4) legs and install them into the threaded holes provided in the bottom of the unit. The installer must provide flexibility in the product and utility supply to permit shifting the position of the dispenser sufficiently to clean the area beneath it.

NOTE: Before installing legs, the plastic plugs must be removed.

B. COUNTER MOUNTING

The ice dispenser must be sealed to the counter. The template drawing indicates where openings can be cut in the counter. Locate the desired position for the dispenser, then mark the outline dimensions on the counter using the template drawings. Cut openings in counter.

Apply a continuous bead of *NSF International* (NSF) silastic sealant (Dow 732 or equal) approximately 1/4" inside of the unit outline dimensions and around all openings. Then, position the unit on the counter within the outline dimensions. All excess sealant must be wiped away immediately.

2. The beverage tubes, drain tube and power cord are routed through the large opening in the bottom of the unit. See the MOUNTING TEMPLATE page NO TAG, for locating the required clearance hole in the counter for these utility lines.
3. SINK DRAIN ASSEMBLY: Connect the drain tube to an open drain. Additional drain tubing is provided with the unit. The drain tube must continuously pitch downward and contain no "traps" or improper drainage will result.
 - A. Use tube, clamp and insulation provided to assemble drain.
 - B. To assure proper drainage, do not allow "trap" to form in drain line. Be sure drain line runs flat with bottom of dispenser.

NOTE: This equipment must be installed with adequate backflow protection to comply with federal, state, and local codes.

4. Connect the beverage system product tubes as indicated in the Beverage System Schematic. This work should be done by a qualified service person.

NOTE: See Plumbing Schematic on page NO TAG of Manual or Decal on Splash Panel of the unit for the location of syrup and water connections.

5. Clean the hopper interior (see CLEANING INSTRUCTIONS in Owner's Manual).
6. Connect the power cord to a 120 volt, 60 cycle, 3-wire grounded receptacle.

KIT 02394

NOTE: For dispensing Scotsman MH 750 "nugget" style ice and Wilshire MCC550 and MCC700 compressed ice cubes:

1. Disconnect power to dispenser.
2. Remove Merchandiser from dispenser.
3. Remove ice chute and discard gate restrictor.
4. Install ice diverter on gate mounting plate as shown below.
5. Apply RTV to back surface of ice diverter, to seal to gate mounting plate.
6. Reinstall gasket and ice chute.
7. Reinstall merchandiser and energize unit.

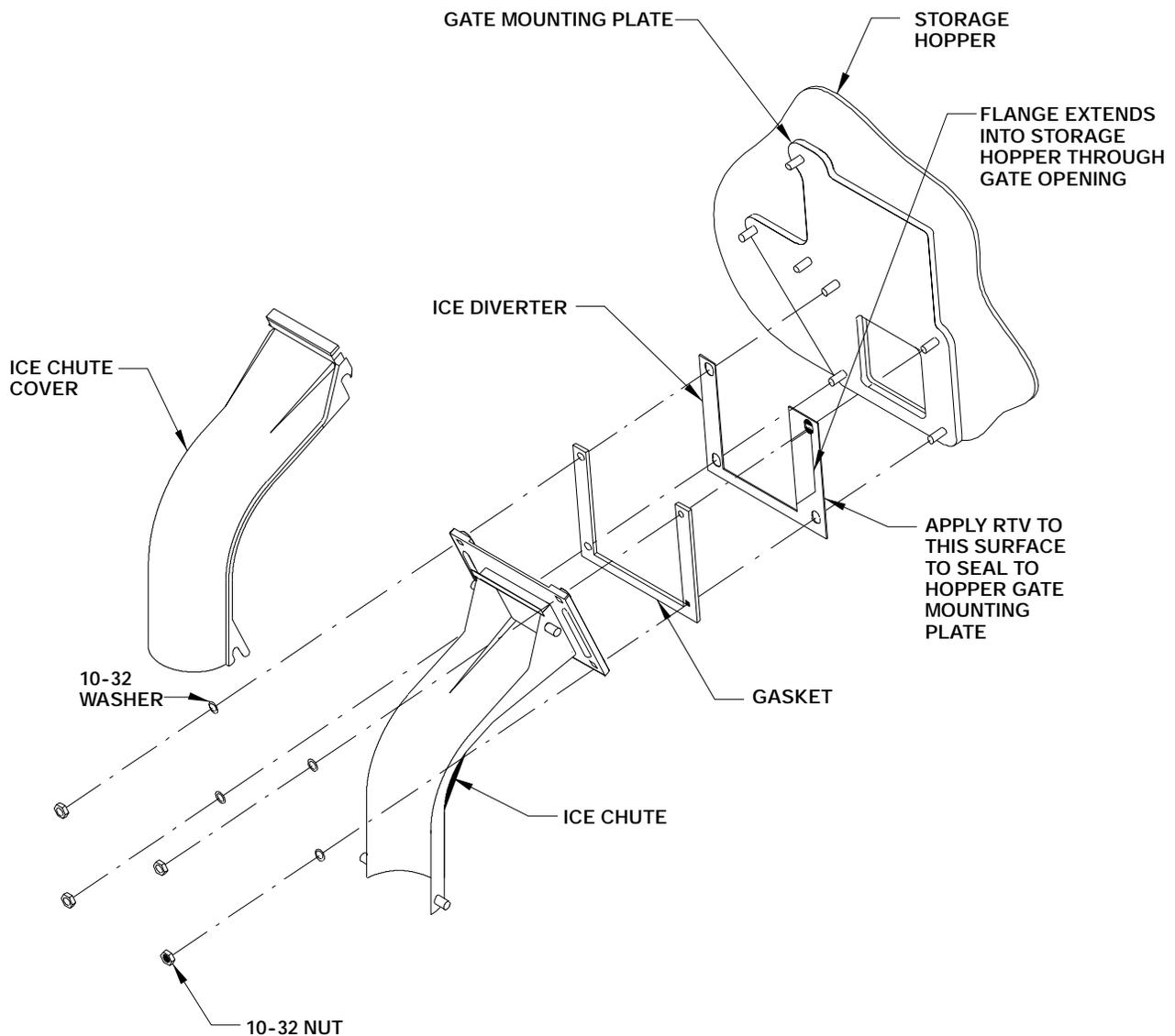


FIGURE 1. ICE DIVERTER KIT

GATE RESTRICTOR PLATE



CAUTION: Disconnect power to dispenser before installing, removing or adjusting restrictor.

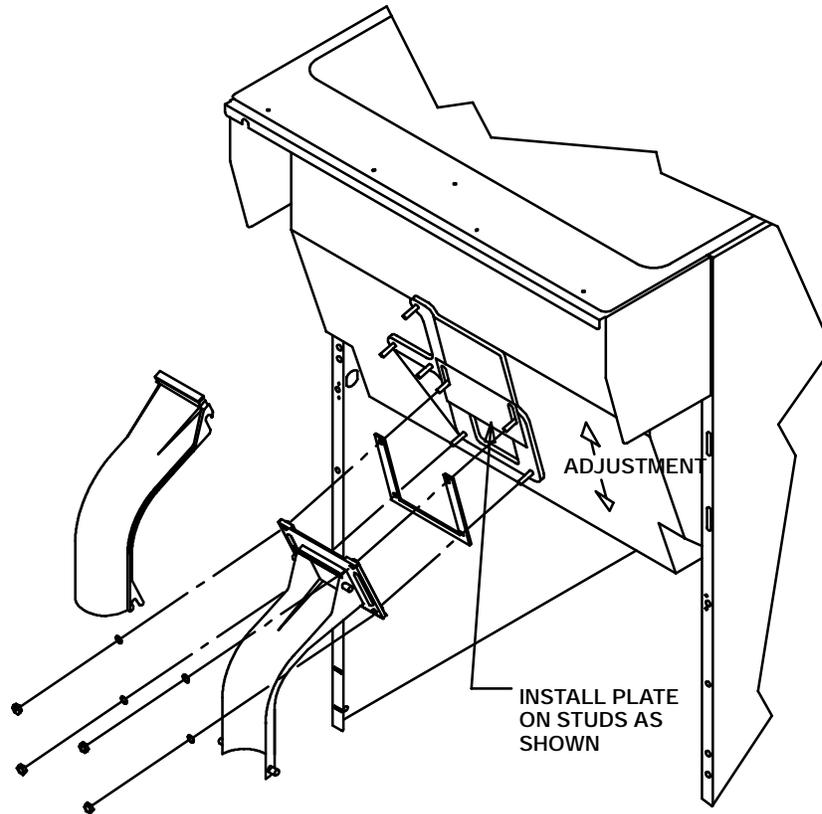


FIGURE 2. GATE RESTRICTOR PLATE

ADJUSTMENT

This plate may be adjusted as shown to reduce or increase the dispensing rate of ice, especially desirable when using glasses or other containers with small openings. Adjustment can be made by sliding up or down with nuts loosened, to obtain the desired amount of restriction.

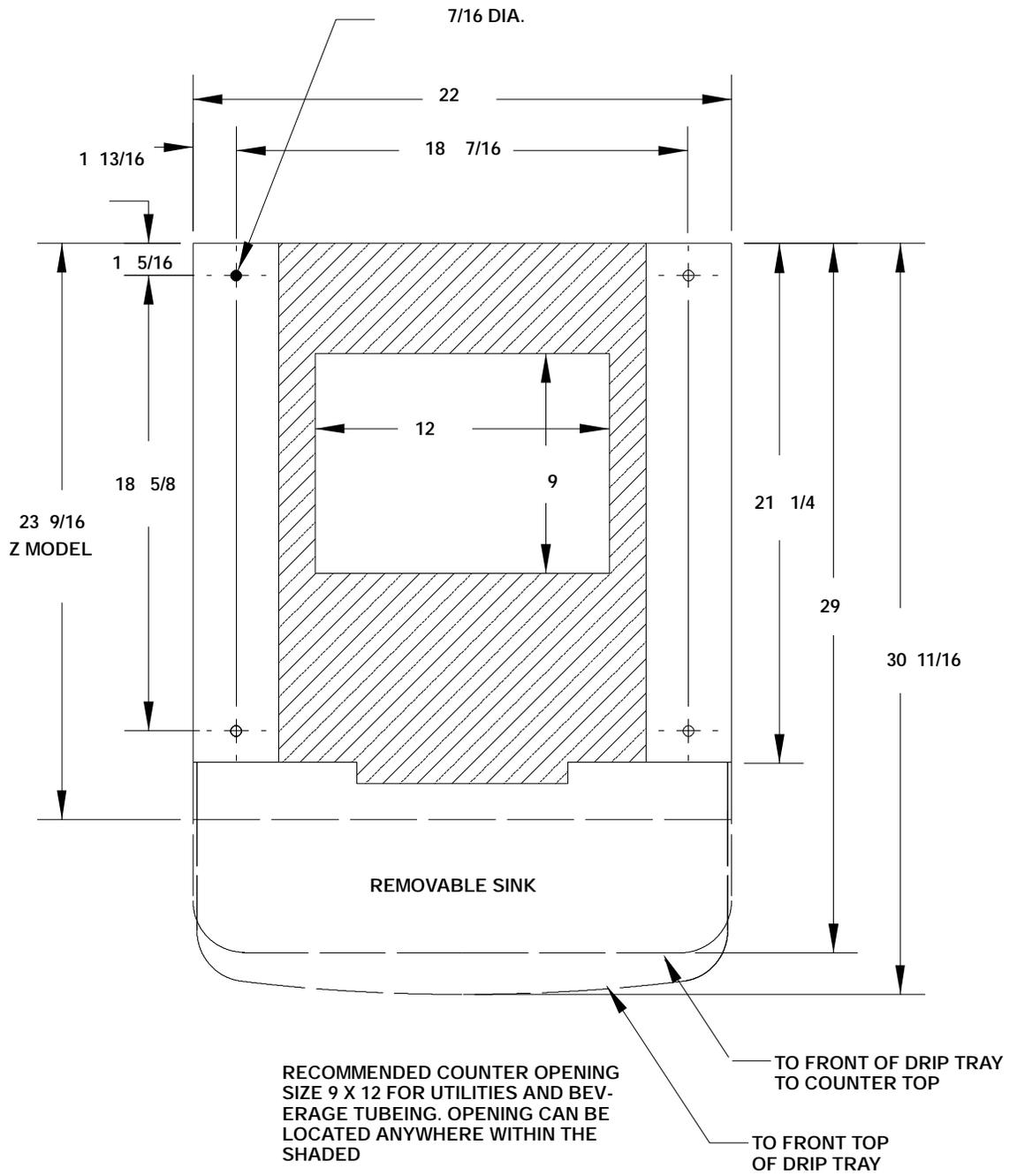
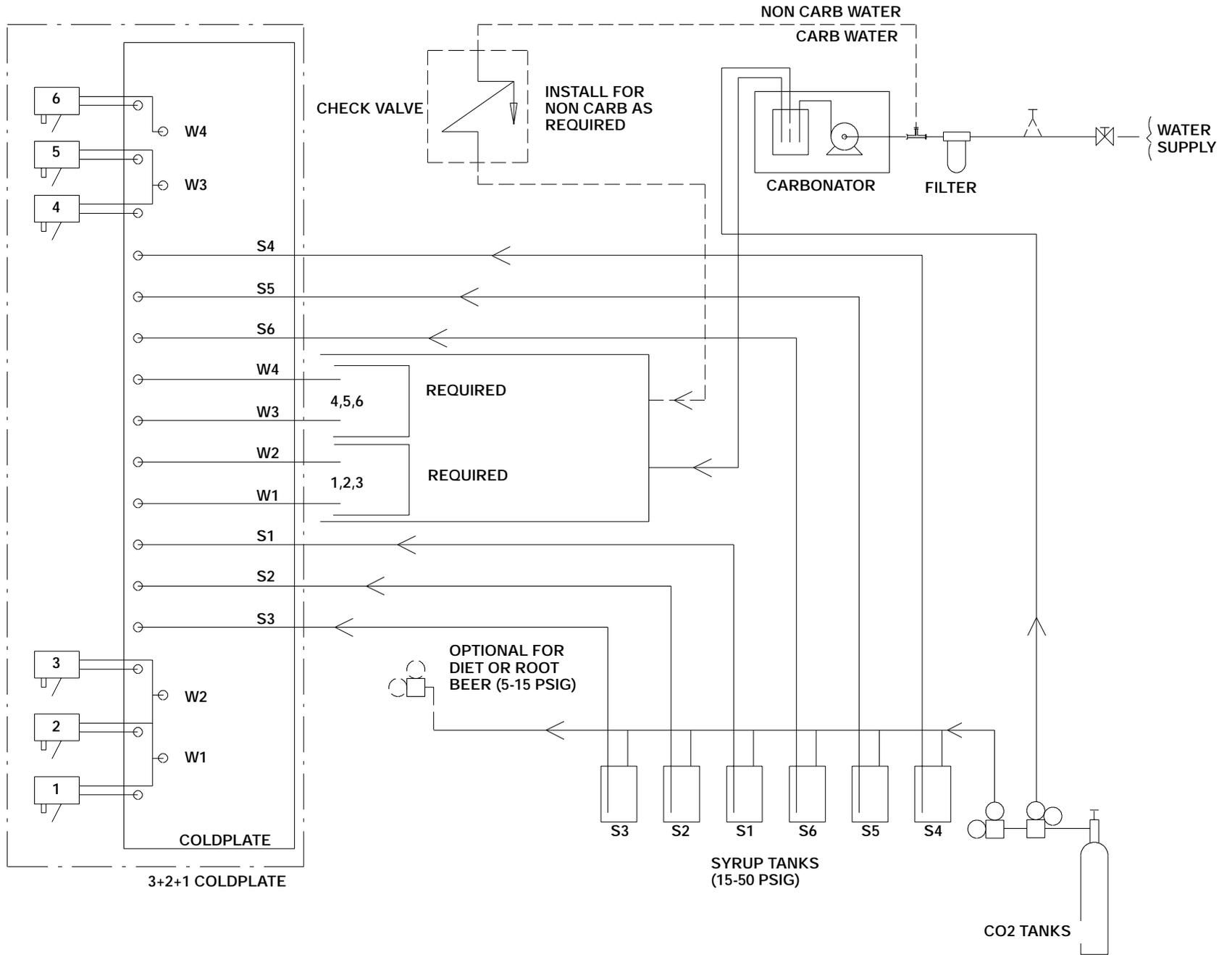


FIGURE 3. MOUNTING TEMPLATE

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FAUCETS
VIEWED
FROM FRONT



TROUBLESHOOTING

IMPORTANT: Only qualified personnel should service internal components or electrical wiring.



WARNING: If repairs are to be made to a product system, remove quick disconnects from the applicable product tank, then relieve the system pressure before proceeding. If repairs are to be made to the CO₂ system, stop dispensing, shut off the CO₂ supply, then relieve the system pressure before proceeding. If repairs are to be made to the refrigeration system, make sure electrical power is disconnected from the unit.

Should your unit fail to operate properly, check that there is power to the unit and that the hopper contains ice. If the unit does not dispense, check the following chart under the appropriate symptoms to aid in locating the defect.

Trouble	Probable Cause
BLOWN FUSE OR CIRCUIT BREAKER.	<ul style="list-style-type: none"> A. Short circuit in wiring. B. Defective gate solenoid. C. Defective agitator motor.
GATE DOES NOT OPEN. AGITATOR DOES NOT TURN.	<ul style="list-style-type: none"> A. No power. B. Bent depressor plate (does not actuate switch). C. Defective dispensing switch.
GATE DOES NOT OPEN OR IS SLUGGISH. AGITATOR TURNS.	<ul style="list-style-type: none"> A. Defective gate solenoid. B. Excessive pressure against gate slide. C. Defective Rectifier.
ICE DISPENSES CONTINUOUSLY.	<ul style="list-style-type: none"> A. Stuck or bent depressor plate (does not release switch). B. Defective dispensing switch. C. Improper switch installation.
SLUSHY ICE. WATER IN HOPPER.	<ul style="list-style-type: none"> A. Blocked drain. B. Unit not level. C. Poor ice quality due to water quality or icemaker problems. D. Improper use of flaked ice.
BEVERAGES DO NOT DISPENSE.	<ul style="list-style-type: none"> A. No 24 volt power to faucets. B. No CO₂ pressure.
BEVERAGES TOO SWEET.	<ul style="list-style-type: none"> A. Carbonator not working. B. No CO₂ pressure in carbonator. C. Faucet brix requires adjusting.

Trouble	Probable Cause
BEVERAGE NOT SWEET ENOUGH.	A. Empty syrup tank. B. Faucet brix requires adjusting.
BEVERAGES NOT COLD (UNITS WITH BUILT-IN COLD PLATE).	A. Unit standing with no ice in hopper - no ice in cold plate cabinet.

Contact your local syrup or beverage equipment distributor for additional information and troubleshooting of beverage system.

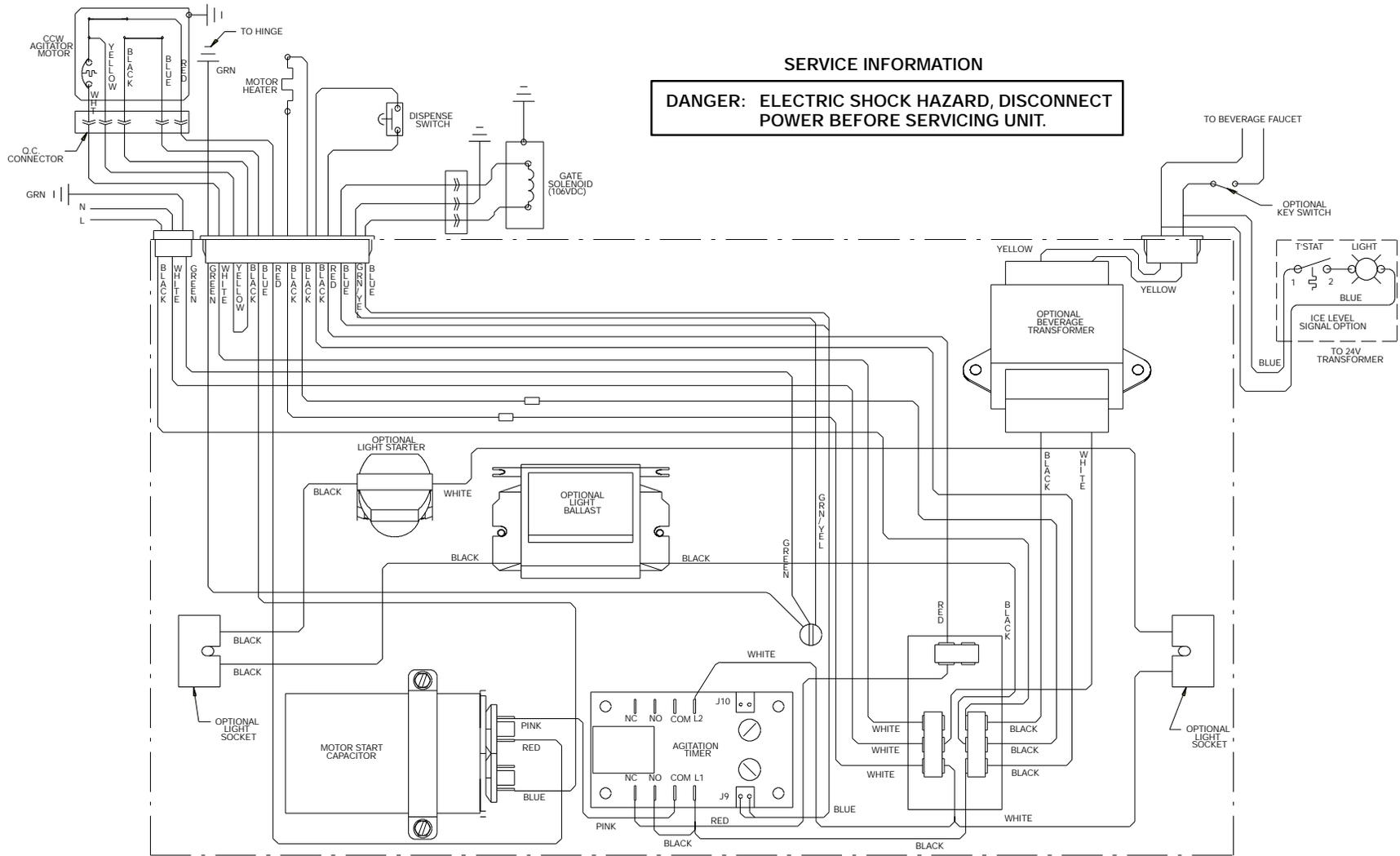
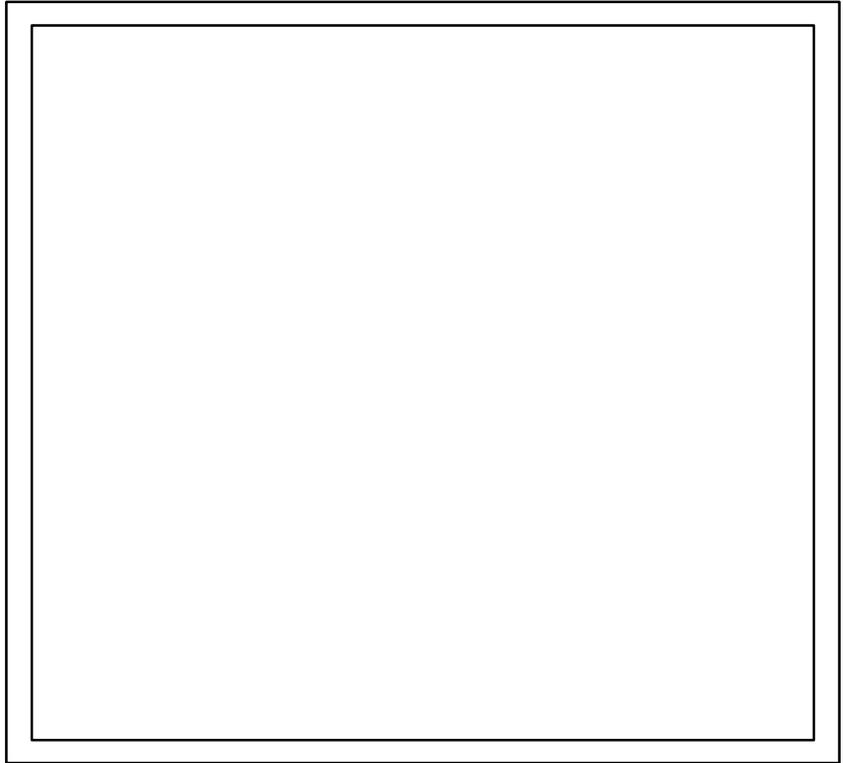


FIGURE 4. WIRING DIAGRAM



CORNELIUS INC.

Corporate Headquarters:

One Cornelius Place
Anoka, Minnesota 55303-6234
(612) 421-6120
(800) 238-3600