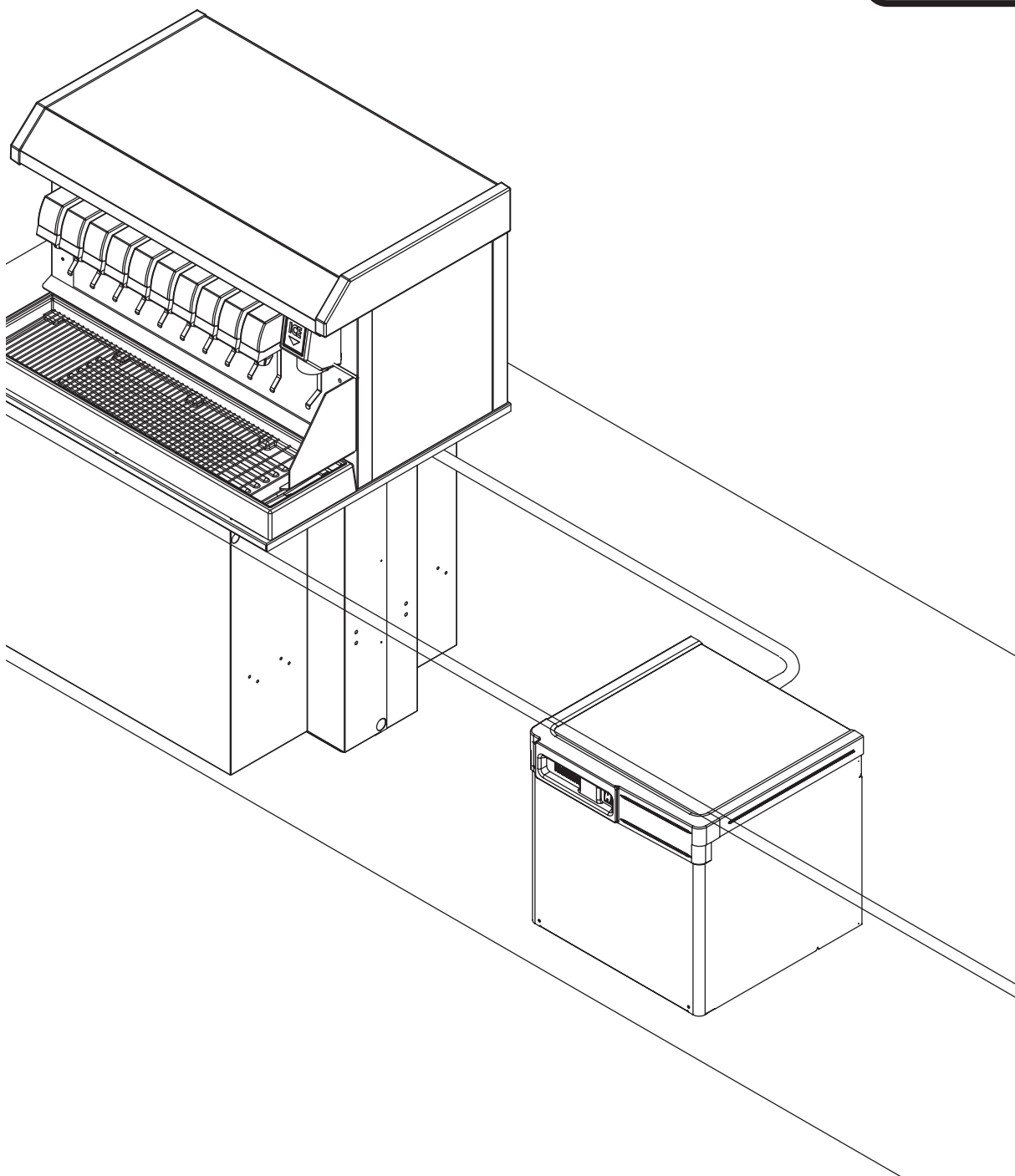
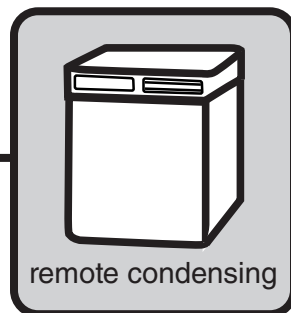


Horizon Elite™ Ice Machine with RIDE® Technology Installation Instructions for Vision™

D1000, D1400, D1800, D2100 Series

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 CAUTION!

- This appliance should be connected by a qualified person in accordance with applicable codes.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Connect to potable water supply only.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should be supervised to ensure that they do not play with the appliance.
- This appliance is intended to be used for household and similar applications such as staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.
- **WARNING!** To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.

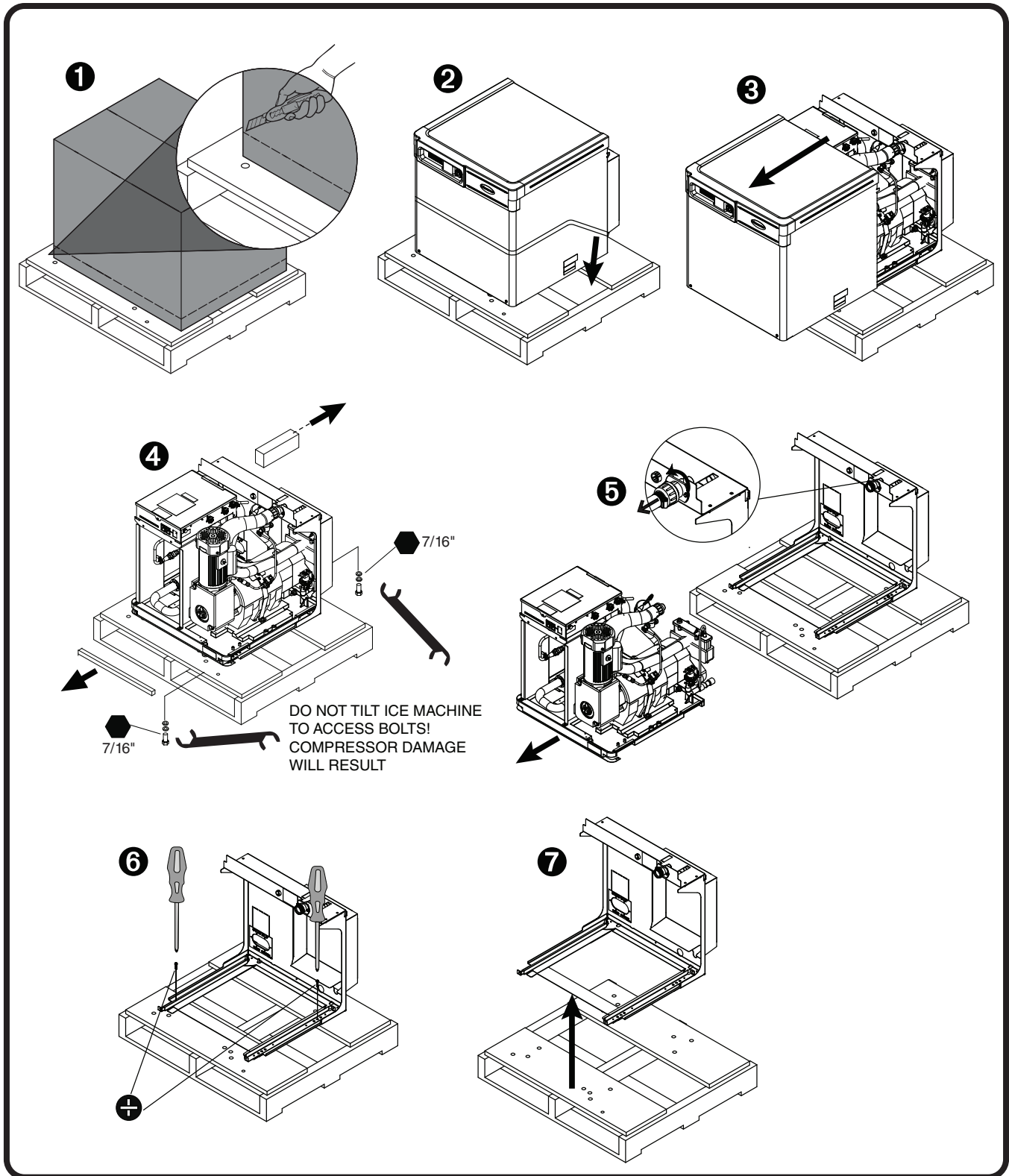
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1. Unpack

Carefully unpack and inspect the contents of your Follett ice machine.

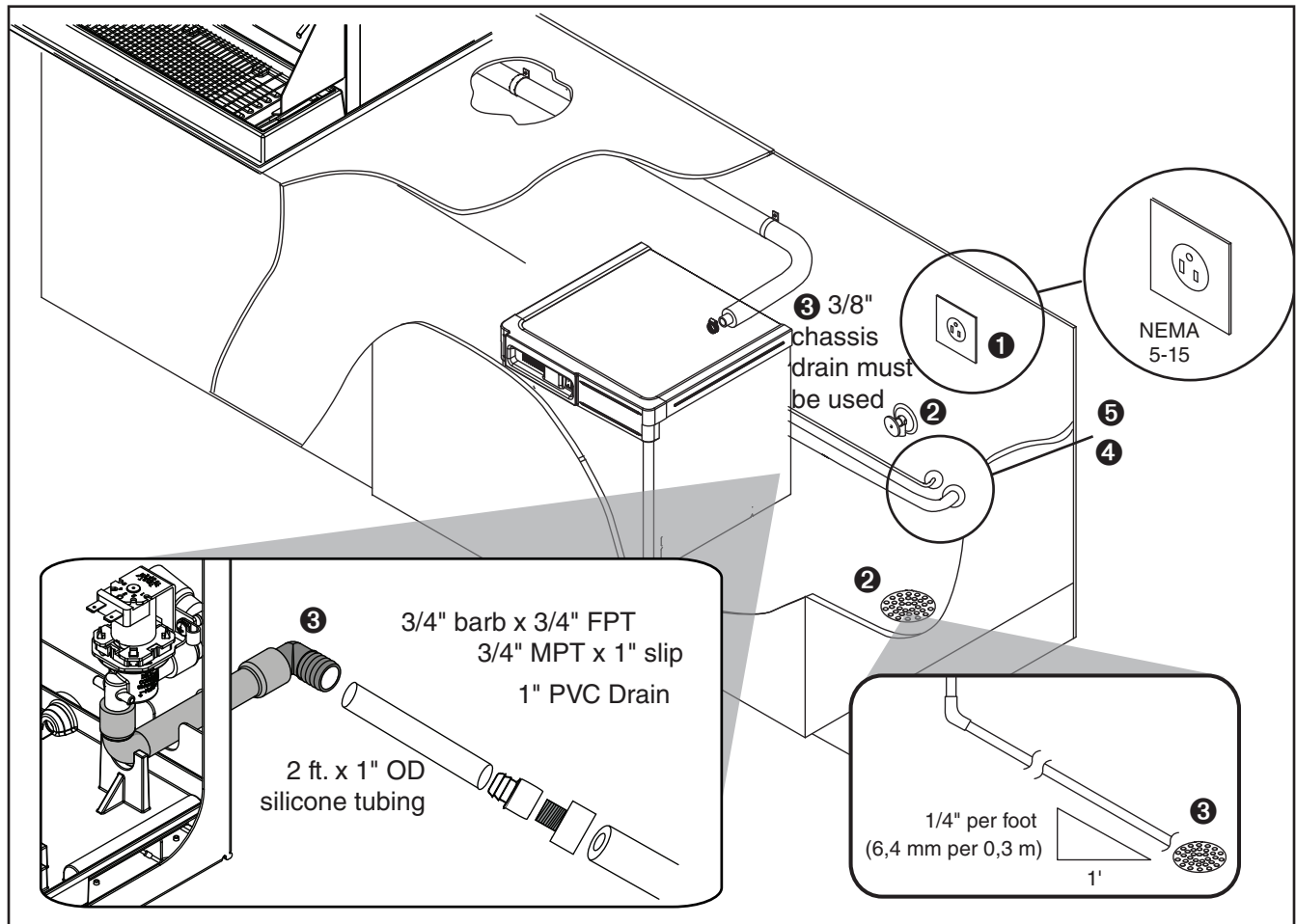
1.1 Unpack Ice Machine



2. Site Preparation

Provide drainage, potable water supply and electrical power to within 6 feet (2m) of ice machine in accordance with local and national codes. Outdoor installation is not recommended and will void warranty.

2.1 Installation Site Requirements



Electrical ❶ 120/60/1-5 amps

WARNING!

- This appliance should be permanently connected by a qualified person in accordance with applicable codes.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Potable Water Supply ❷ (3/8" push-in internal connection, 3/8" OD tubing required)

10 psi to 70 psi (69 kpa to 483 kpa)

45 F to 90 F (7 C to 32 C)

- This equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes

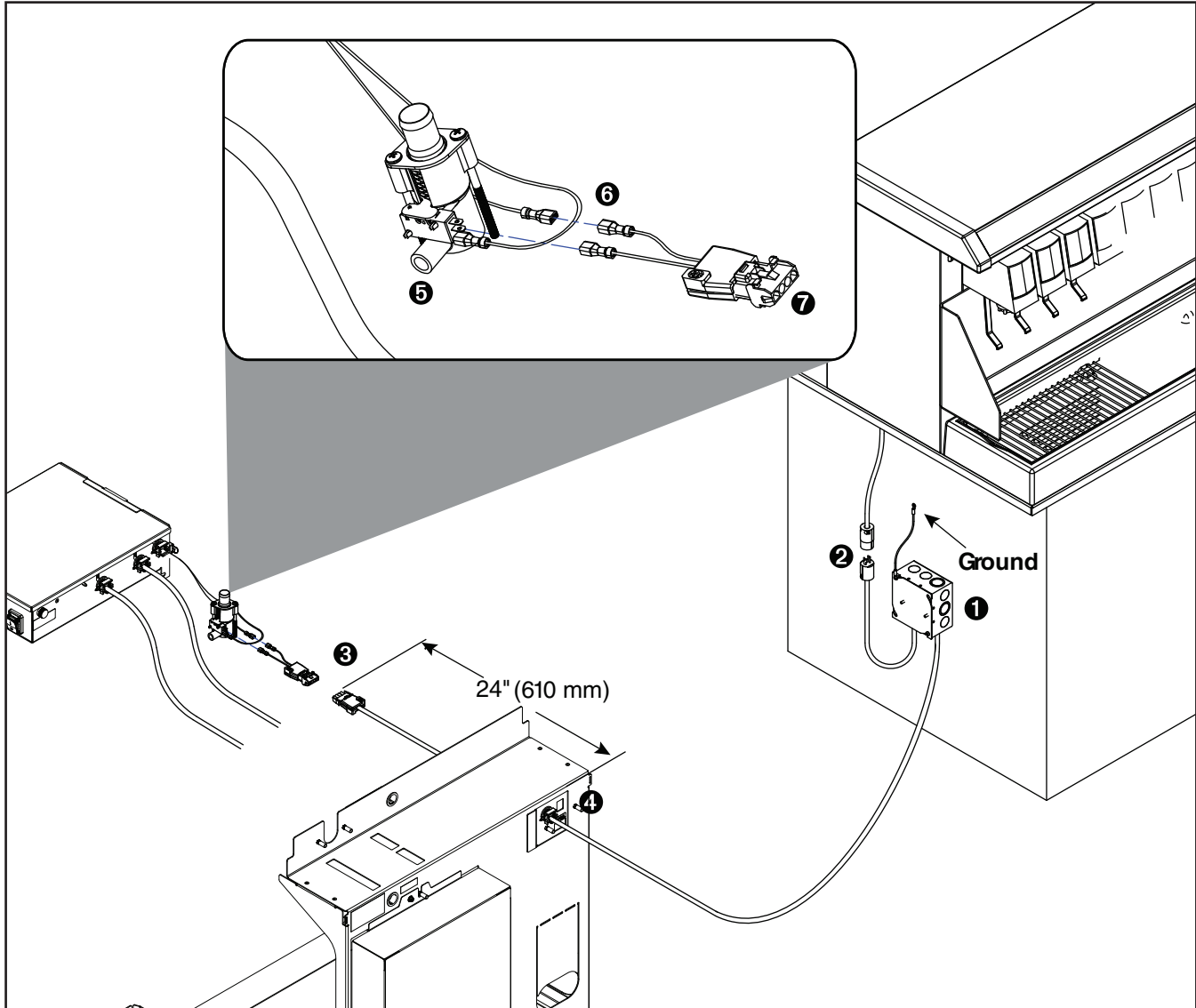
Drains ❸ 3/4" barb for silicone drain, 3/8" push-to-connect for chassis drain

Minimum 8" radius on silicone drain line. The drain line from the ice machine must have at least 1/4" per foot (6,4 mm/0,3 m) pitch

Refrigeration Lines

- 1012, 1412, 1810, 1811, 1812, 2110, 2112: 7/8" Ø (22,2 mm) diameter suction line (insulated) ❹
- 1010, 1410: 5/8" Ø (22,2 mm) diameter suction line (insulated) ❹
- 1810, 1811, 1812, 2110, 2112: 3/8" Ø (9,5 mm) liquid line ❺

3. Bin Signal Installation



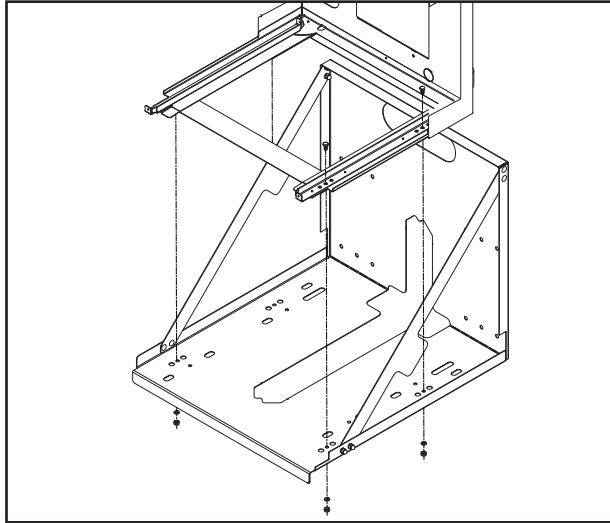
- Mount the electrical box to the side of the Vision dispenser ① to establish a ground connection.
Note: If a 4 x 4 box is mounted to a non-grounded surface, connect ground wire at an appropriate ground.
- Connect the bin signal plug on the electrical box to the bin signal cord on the bin ②
- Insert 24" (70 cm) of the long bin signal cable ③ into the hole in the back of the docking station ④ and secure in place with strain relief provided.
- After sliding the ice machine module into the docking station, disconnect one wire from shuttle switch and replace with wire from adapter plug. ⑤
- Connect wire removed from shuttle switch to male connector on adapter plug wire. ⑥
- Complete normal installation procedure for the ice machine using the installation manual that shipped with the ice machine.
- Connect adapter plug into bin signal plug. ⑦

4. Docking Assembly

BEFORE PROCEEDING!

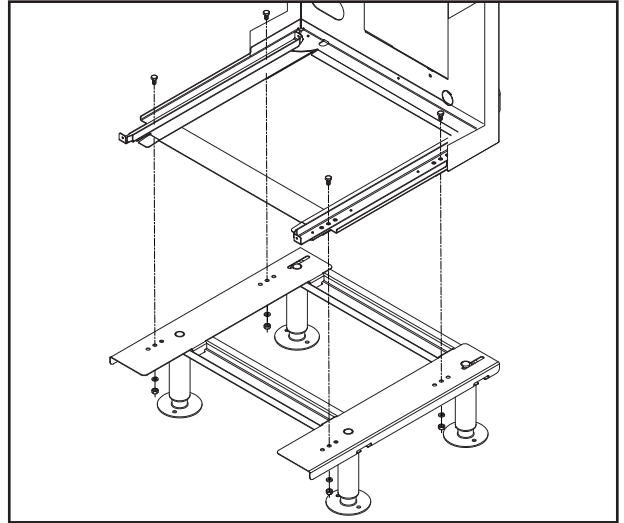
- Prior to installing the docking assembly, ensure that the drain fitting is oriented (right or left) correctly for your installation. An optional straight drain fitting is also supplied. You may need to remove the back panel of the docking assembly in order to re-orient or change the drain fitting. Replace back panel prior to mounting the docking assembly.
- Docking station must be secured in accordance with these instructions to ensure ice machine stability.
- Ventilation openings in the docking station should be clear of obstruction. Failure to do so could result in damage to equipment.
- Plug must be accessible after final installation.

4.1 Wall Bracket Accessory



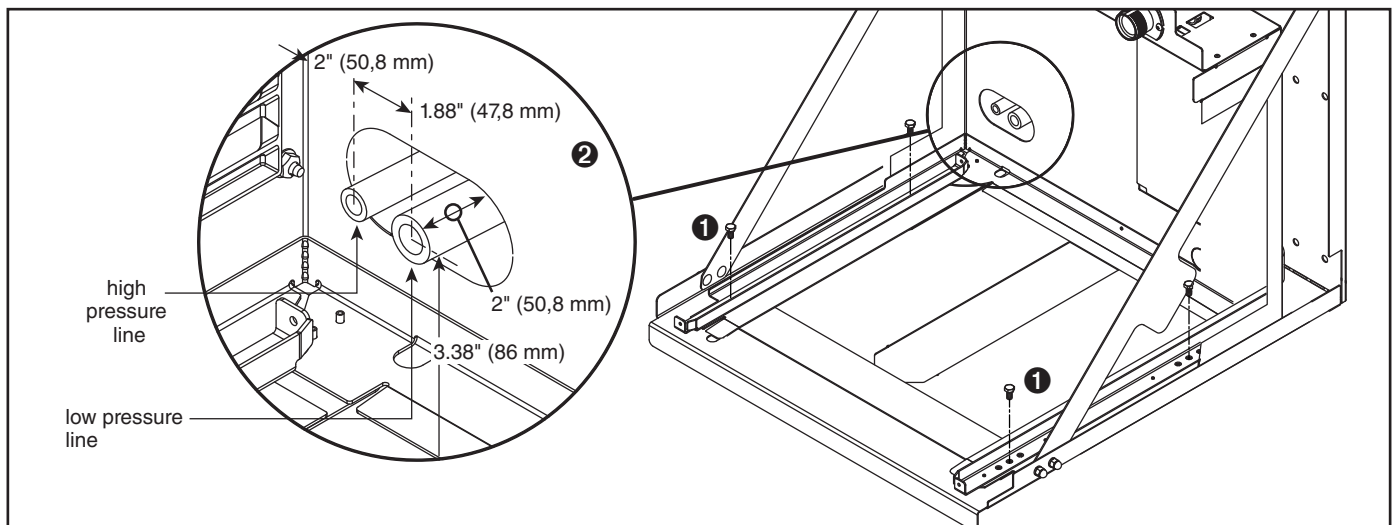
- Mount docking assembly to wall bracket accessory

4.2 Machine Stand Accessory



- Mount docking assembly to machine stand accessory

4.3 Docking Assembly



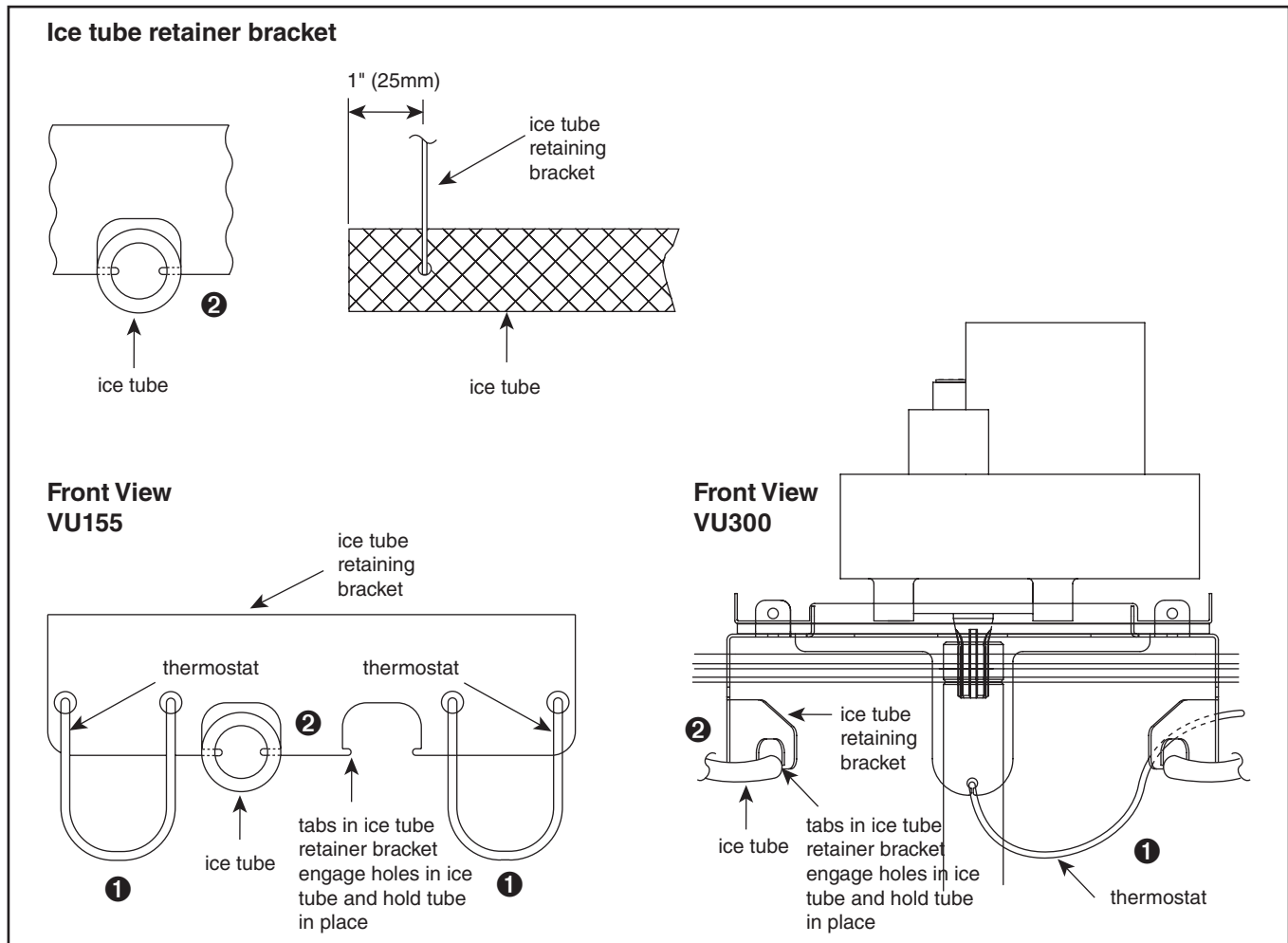
- Mount docking assembly ①
- "Rough-in" the refrigerant piping ②

4.4 Undercounter Installation Requirements

Please refer to the Horizon Elite Ice Machine Undercounter Kit instructions.

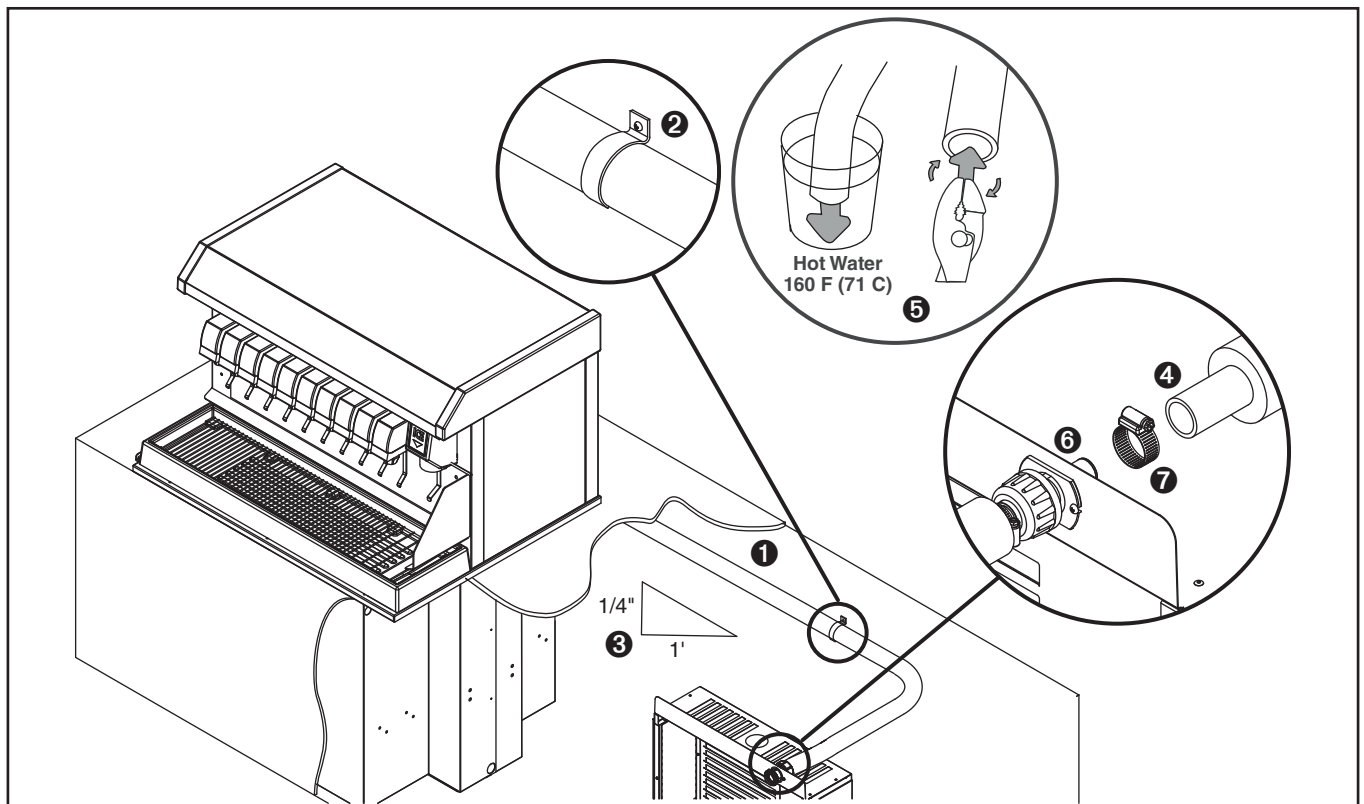
5. Transport Tube

5.1 Dispenser Ice Transport Tube Installation



- One end of the ice transport tube has 1/8" holes drilled into it; this end connects on the inside of the Vision dispenser.
- Push one end of ice transport tube(s) through hole(s) provided in side of dispenser
- Route tube into ice tube bracket inside dispenser and engage bracket tabs in holes located in end of ice transport tube(s) ①
- Verify bin thermostat capillary tube is mounted correctly ②

5.2 Ice Transport Tube Installation



Ice transport tube tips

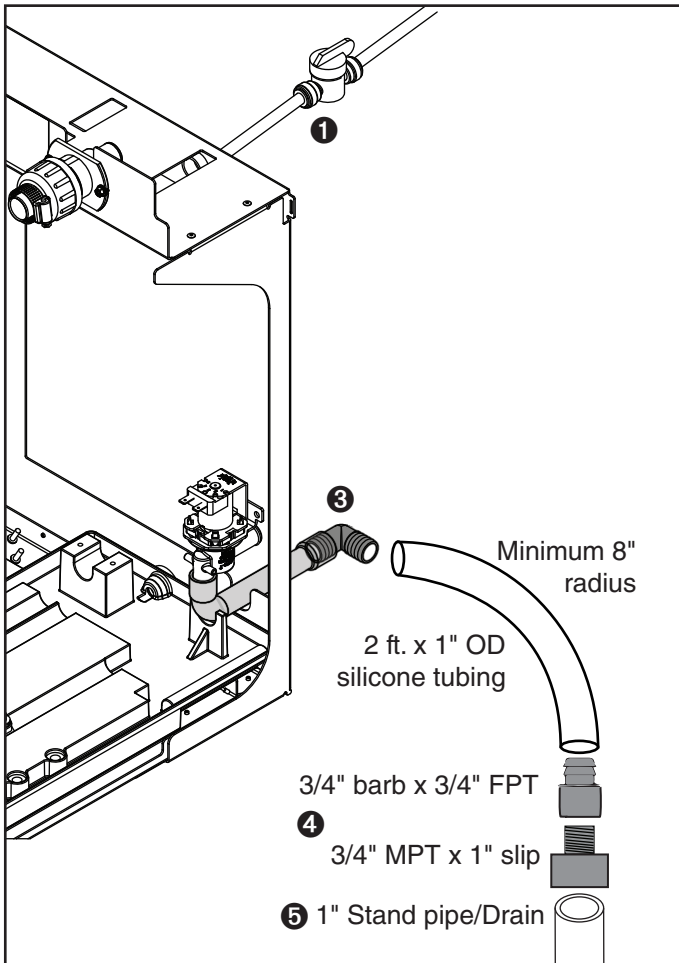
- One end of the ice transport tube has 1/8" holes drilled into it; this end connects on the inside of the Vision dispenser.
- Insulate entire length of ice transport tube ❶.
- Secure ice transport tube ❷ as needed to prevent dips and traps from forming. For long tube runs see guide on page 15.
- Pitch ice transport tube at least 1/4" per foot (6,4 mm/0,3 m) ❸, Ice transport tube must drain towards ice machine.

Ice transport tube to Ice machine

- Be sure tube ends are square ❹.
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ❺ before making connection to ease assembly.
- Push plug end of ice transport tube onto ice machine nipple ❻.
- Install hose clamp ❼ tightly so tube swells, ensuring hose clamp is installed on barb.

6. External Connections

6.1 Water And Flush Drain

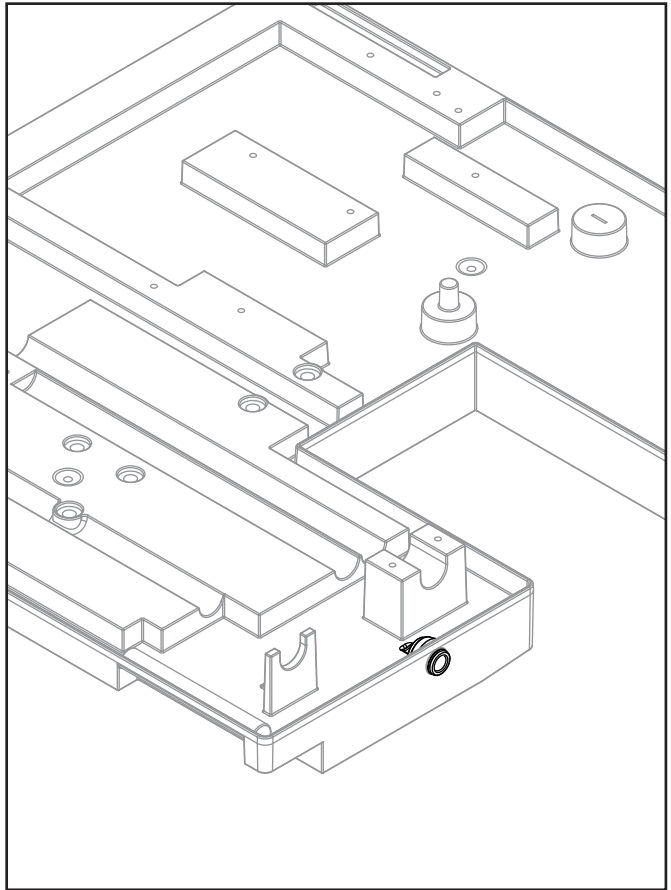


- Rough-in ice machine potable water supply ①. 3/8" push-in connection will be made at shut-off valve inside machine
- Remove access panel if necessary ②.
- Connect the silicone tubing to the ice machine 3/4" drain barb ③.
- Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other end of the silicone tubing to the 3/4" barb ④.
- Connect the 1" slip fitting to the 1" stand pipe/drain ⑤.

Note: Minimum 8" radius on silicone drain line.
Drain line from the ice machine must have at least 1/4" per foot pitch (6,4 mm/0,3 m).

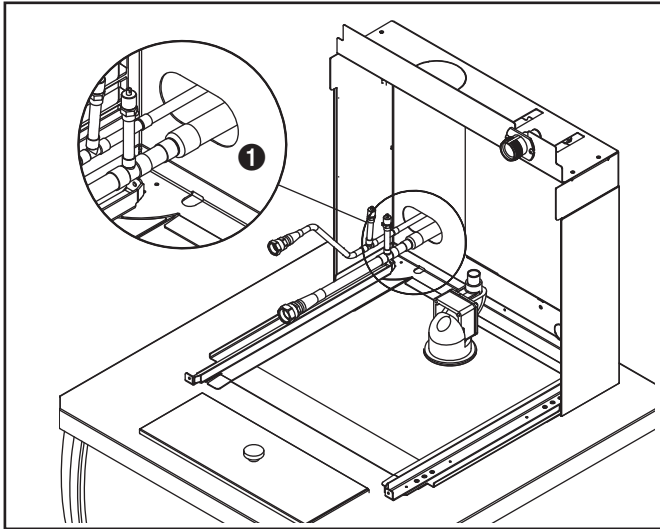
- Replace access panel.

6.2 Chassis Drain Plumbing - Required



- Route 3/8" OD drain tubing (preferably copper) through rear of docking station and fully insert into chassis base push-in fitting. Route into drain standpipe.
- Gravity drain. Ensure 3/8" OD tubing slopes down into drain standpipe without forming a trap. Replace access panel.

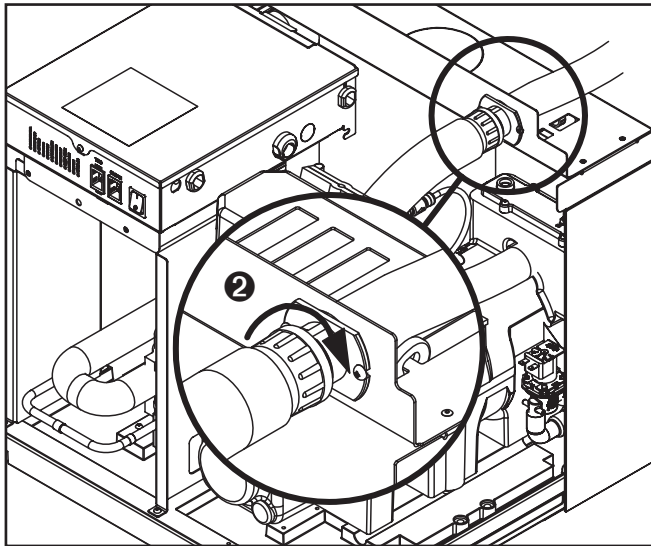
6.3 Refrigerant Lines



- Braze supplied quick-connect lines onto stub-ins **1**.

7. Internal Connections

7.1 Ice Transport Tube



- Slide ice machine into docking assembly *ensuring that drain tube is fully seated on barbed drain fitting **1***.
- Insert ice transport tube all the way into coupling and tighten nut firmly **2**.

7.2 Water Solenoid, Shut-Off Valve, and Potable Water Line Options

Water solenoid is already mounted to evaporator:

- Insert potable water line into shut-off valve.

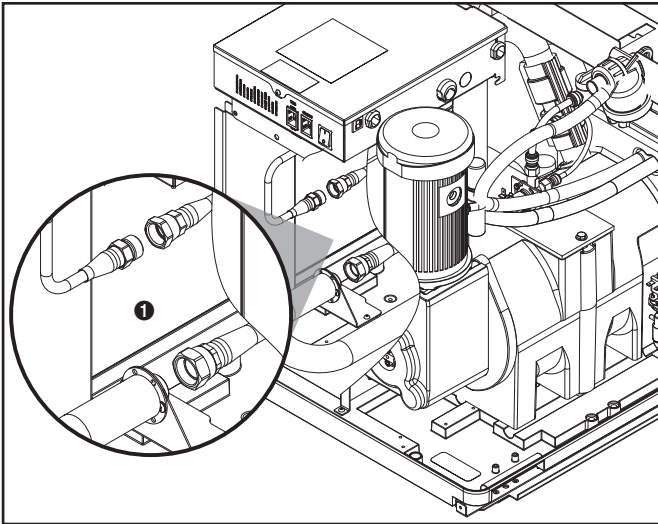
If this is an undercounter installation:

- Locate the shut-off valve inside the machine.
Insert potable water line into shut-off valve.

If machine will not be installed undercounter:

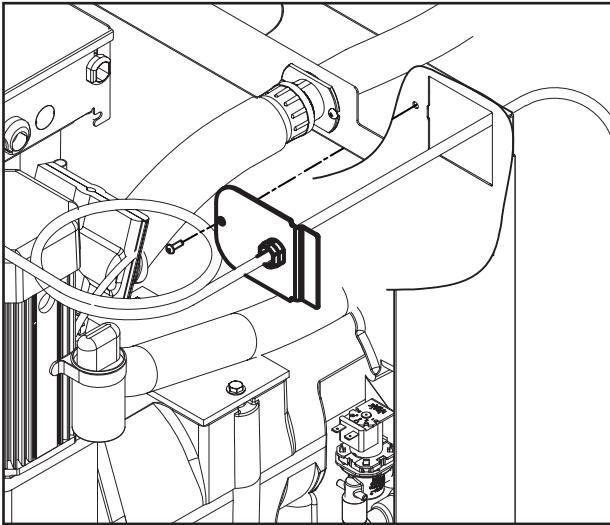
- Insert potable water line into shut-off valve - locate the shut-off valve *outside* the machine.
- Insert outgoing line from shut-off valve into push-in connection of water solenoid.

7.3 Refrigeration Lines



- Follow Condensing Unit installation instructions.
- Apply oil to threads.
- Connect self-sealing liquid and suction line fittings ①

7.5 Power Cord



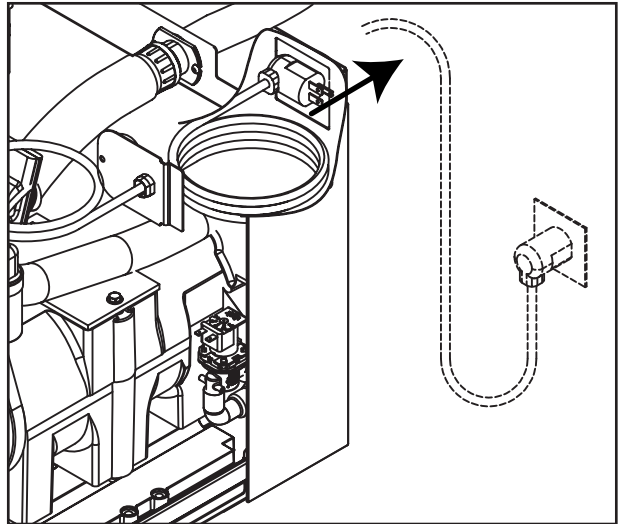
- Position plate into opening and secure with supplied screw.



WARNING!

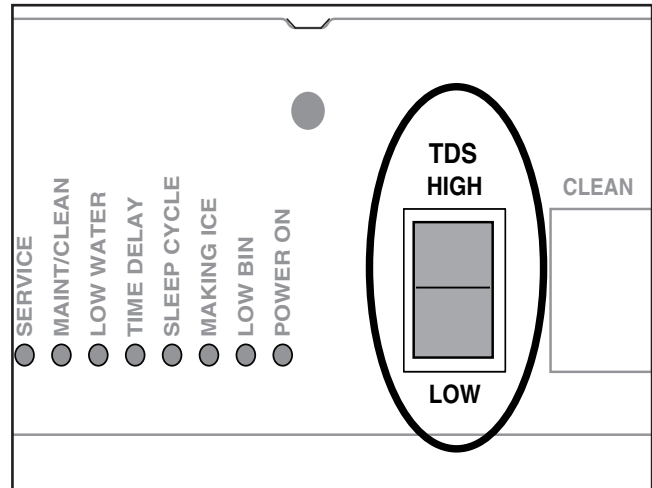
Plate must be securely installed to ensure proper equipment ground.

7.4 Power Cord



- Remove twist tie.
- Carefully pass plug through opening and plug into wall outlet.

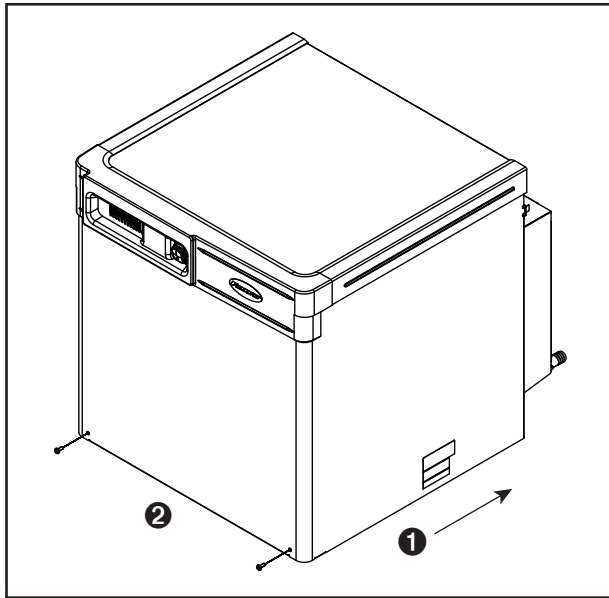
7.6 TDS Switch



- Set the TDS switch on the electrical box.
 - **HIGH:** for extended service life
 - **LOW:** for low-scale water

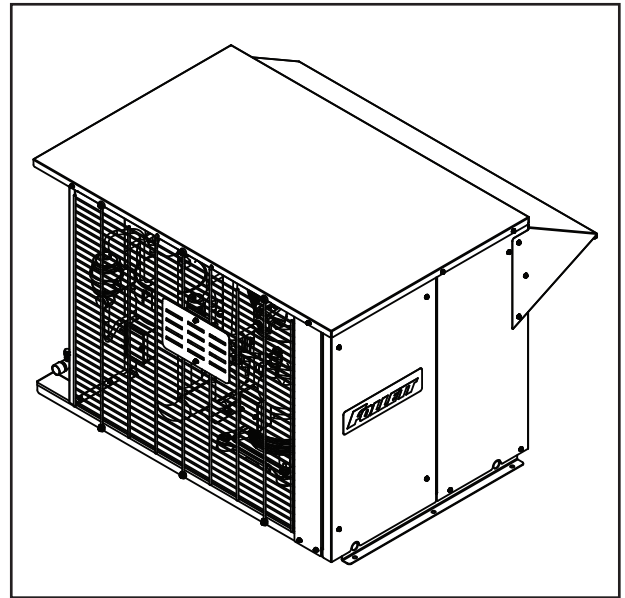
8. Front Cover and Condensing Unit

8.1 Install Front Cover To Ice Machine



- Slide ice machine cover over machine ①
- Insert and tighten two screws through cover and into docking assembly ②

8.2 Install Condensing Unit



- Complete installation of condensing unit or connection to rack system.
- Required rack system capacity at 0 F (–18 C) evaporator (EPR supplied by installer).
 - 1010CU: 7,700 Btu/hr (1940 kcal/hr)
 - 1012 CU: not rack compatible
 - 1410CU: 10,000 Btu/hr (2519 kcal/hr)
 - 1412CU: not rack compatible
 - 1810CU: 15,700 Btu/hr (3956 kcal/hr)
 - 1811CU: 15,700 Btu/hr (3956 kcal/hr)
 - 1812CU: not rack compatible
 - 2110CU: 18,200 Btu/hr (4586 kcal/hr)
 - 2112CU: not rack compatible

9. Ice Machine Start Up Procedure

The start-up procedure below is intended to ensure that ice machine is operating properly after installation has been made. Check each item listed and call factory immediately for assistance if you experience problems with unit.

NOTICE!

- Ice machine **MUST** be sanitized prior to operation!
- Consult Operation and Service Manual provided with ice machine for sanitizing instructions.

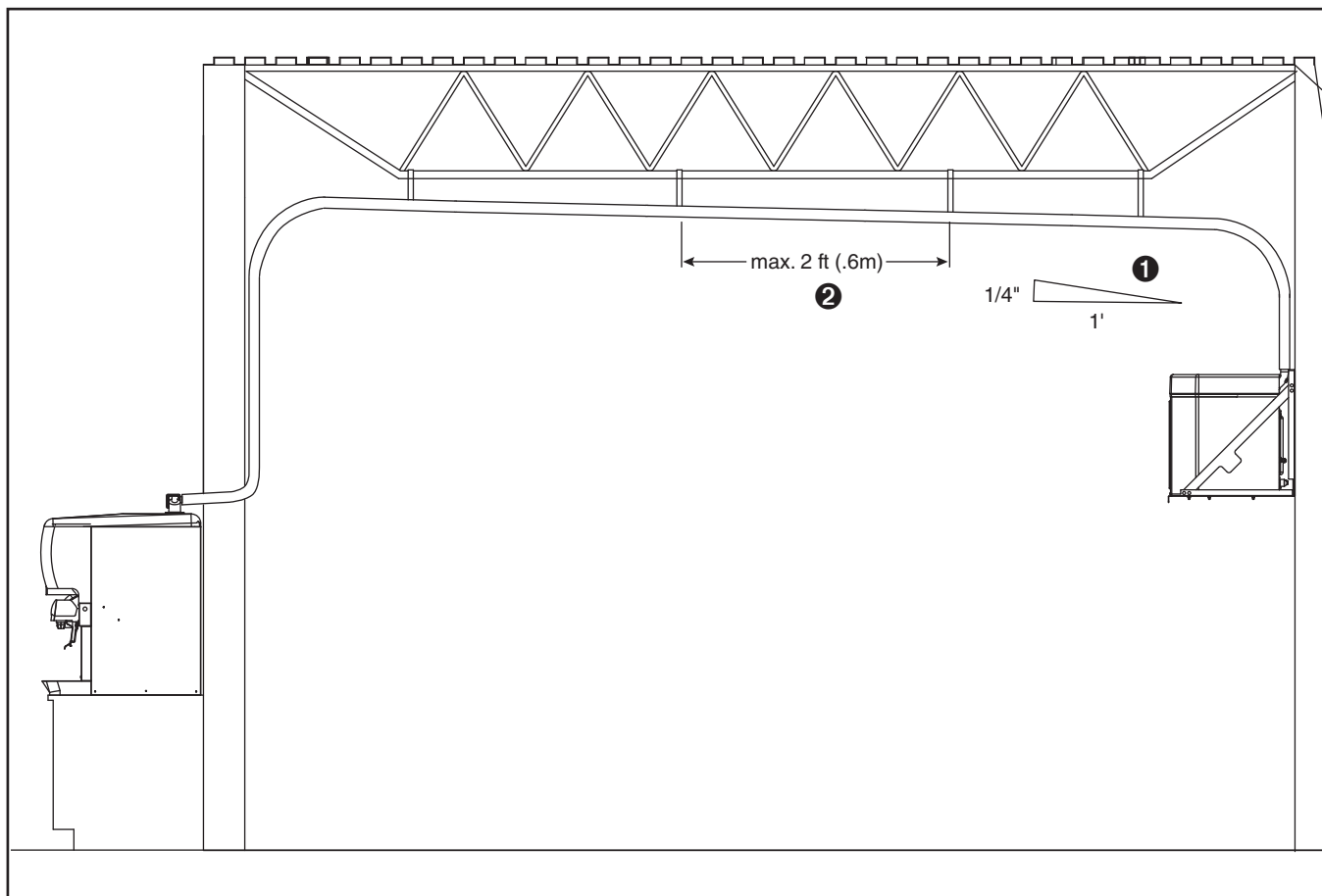
9.1 Before Turning on Power

1. Sanitize ice bin.
2. Turn on water to ice machine and check for leaks.

9.2 After Turning on Power

1. Turn on power switch and immediately press Clean switch to sanitize ice machine. At beginning of sanitizing process, ice machine will purge all water. Check internal and external drain connections for leaks.
2. After sanitizing process, ice machine will start. Confirm that gearmotor, fan motor and compressor start immediately.
3. Check that ice begins to enter dispenser bin area within approximately 10 minutes.

10. Long Tube Run Recommendations



- Pitch ice transport tube to allow melt water to drain towards ice machine ❶
- Secure insulated ice transport tube at least every 2 ft (0,6 m) to prevent dips or traps ❷

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