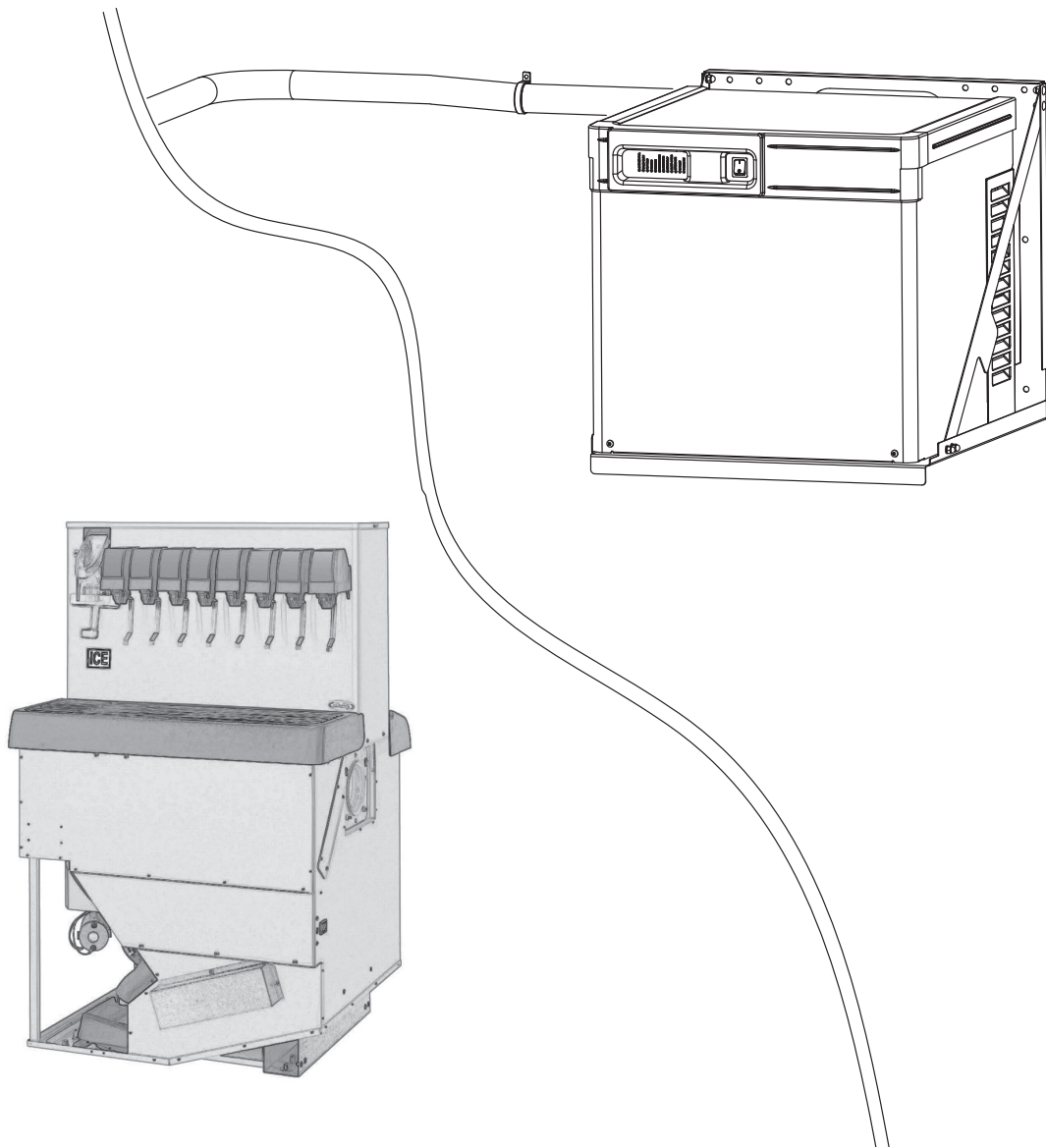
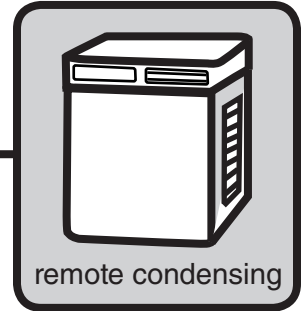


# Horizon Elite™ Ice Machine Models with RIDE™ Technology Installation Instructions for Cornelius PR150

HCD/HMD/HCF/HMF1010RPS, HCD/HMD/HCF/HMF1410RPS,  
HCD/HCF1010NPS, HMD1410NPS  
(See model number configurator on page 2 for details.)

Order parts online  
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### Chewblet® Ice Machine Model Number Configurations

HC
C
1400
A
V
S


Icemaker	Voltage	Series	Condenser	Application	Configuration
MC Maestro™ Chewblet® (400 Series)	C 208-230/60/1 (icemaking head) <i>Self-contained only.</i>	400 up to 454 lbs	A Air-cooled, self-contained	V Vision™	S RIDE™
	D 115/60/1 (icemaking head) <i>Self-contained and remote. If remote unit, high side is 208-230/60/1.</i>	(206kg)	W Water-cooled, self-contained	H Harmony™	(RIDE remote ice delivery equipment)
HC Horizon Chewblet (1000, 1400, 1650 Series)	E 230/50/1 (icemaking head) <i>Self-contained only.</i>	1000/1010 up to 1036 lbs (471kg)	R Air-cooled, remote condensing unit	B Ice storage bin	
	F 115/60/1 (icemaking head) <i>Remote only. High side is 208-230/60/3.</i>	1400/1410 up to 1450 lbs (658kg)	N Air-cooled, no condensing unit for connection to parallel rack system	J Drop-in	T Top-mount
HM Horizon Micro Chewblet		1650 up to 1580 lbs (717kg)		M Ice Manager diverter valve system	

Read and complete the following 8 installation steps


1 **Unpack** \_\_\_\_\_



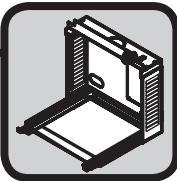
2 **Site preparation** \_\_\_\_\_




3 **Dispenser preparation** \_\_\_\_\_




4 **Louvered docking assembly** \_\_\_\_\_



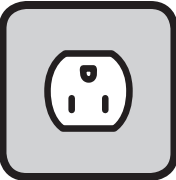
5 **Ice transport tube** \_\_\_\_\_



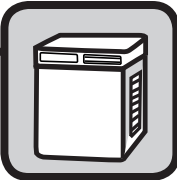
6 **External connection** \_\_\_\_\_



7 **Internal connection** \_\_\_\_\_



8 **Front cover** \_\_\_\_\_



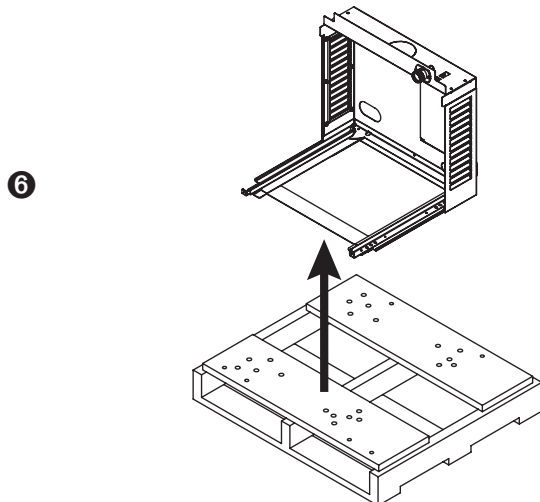
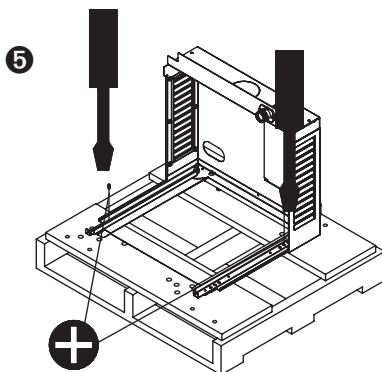
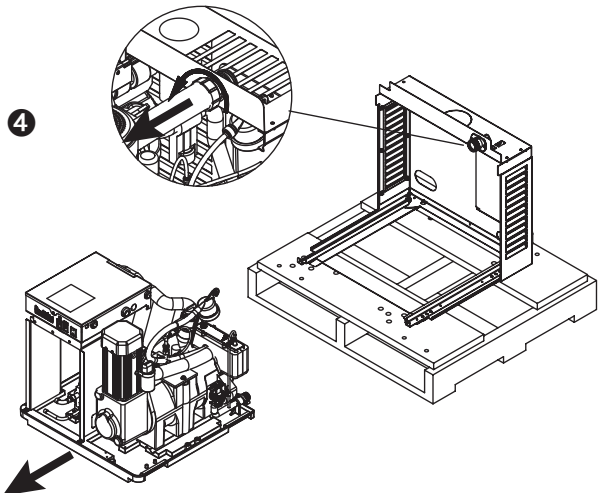
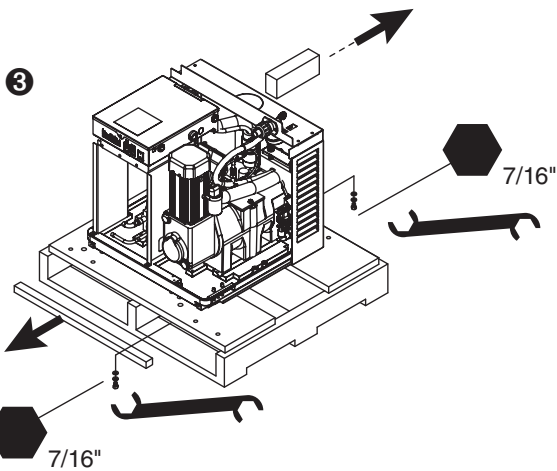
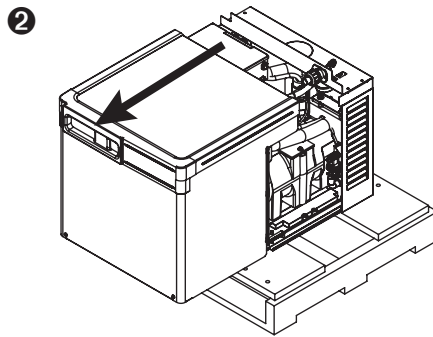
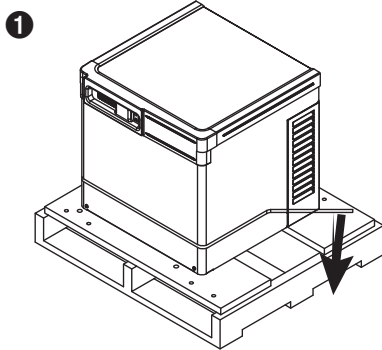
Carefully unpack and inspect the contents of your Follett ice machine.

Unpack

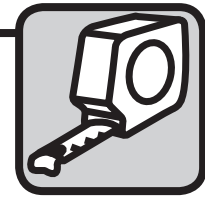
1



### 1.1 Unpack ice machine

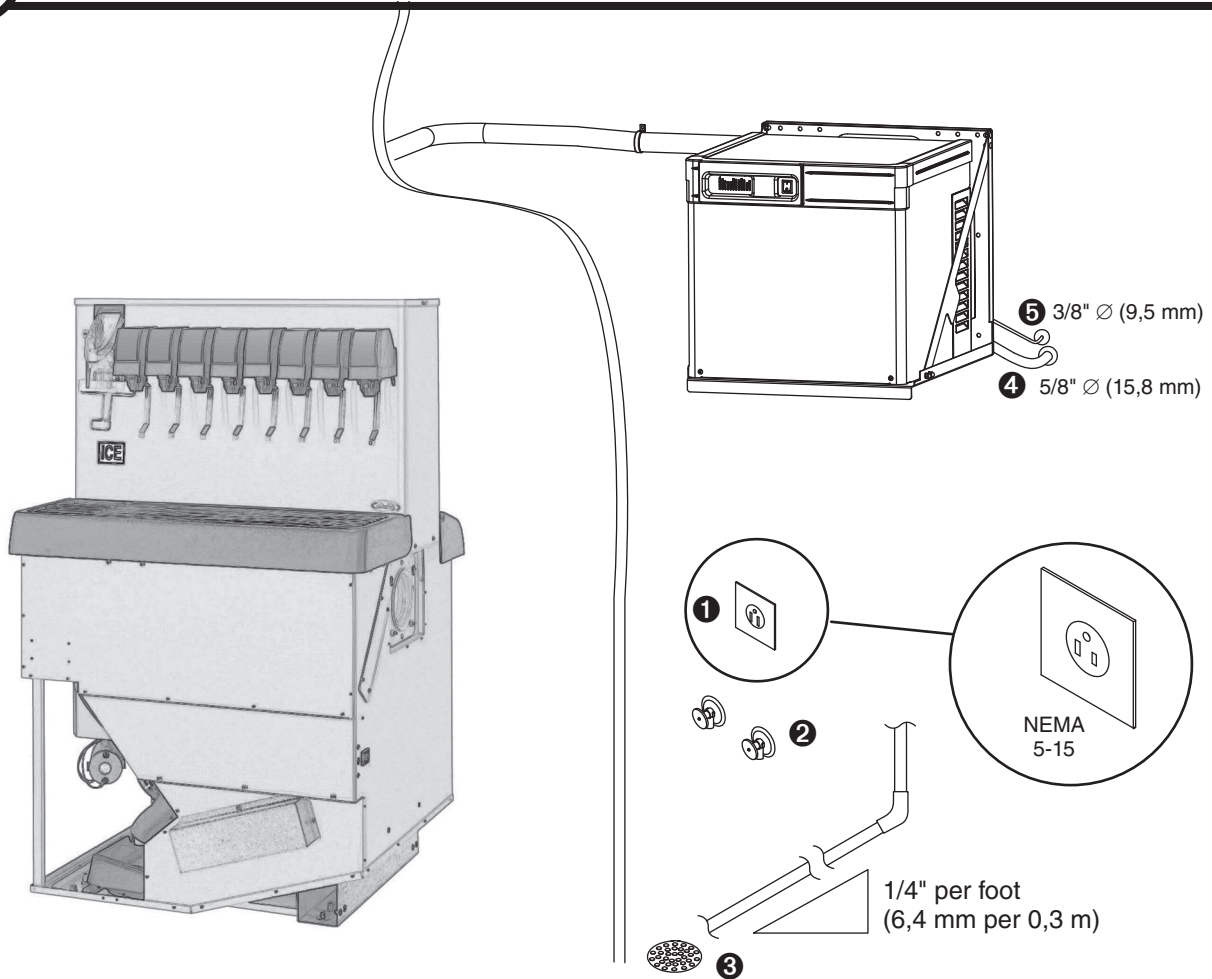


Prepare the installation site.



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

2.1 Installation site requirements



Electrical ①

- 120/60/1-5 amps

Potable water supply ② (3/8" push-in internal connection, 3/8" OD tubing required)

- 10-70 psi (69-483kpa)
- 45-90 F (7-32 C)
- Follett recommends the use of an in-line water filtration system (item# 00130286)
- This equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes

Drain ③ (3/4" MPT)

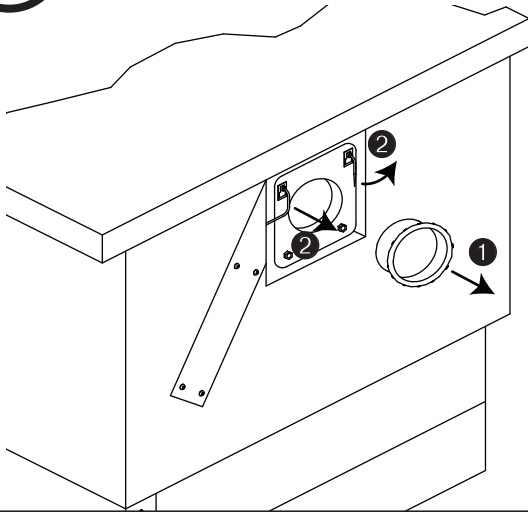
- The drain line from the ice machine must have at least 1/4" per foot pitch (6,4 mm/0,3 m)

Refrigeration lines ④

- 5/8" Ø (15,8 mm) diameter suction line (insulated) ④
- 3/8" Ø (9,5 mm) liquid line ⑤

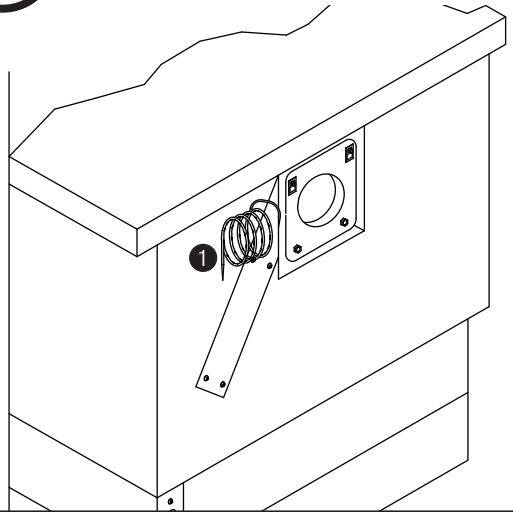


3.1



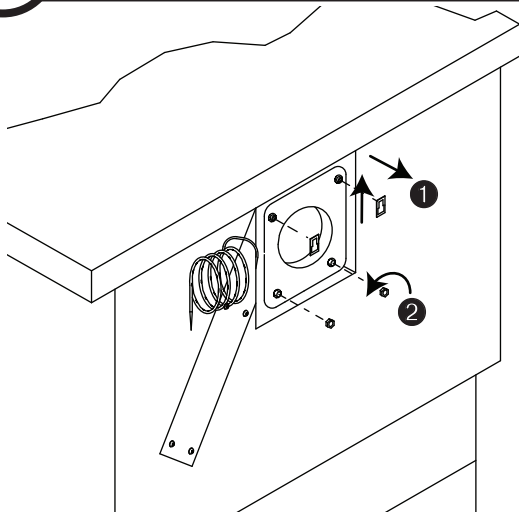
- Remove ice entry cover plate 1
- Remove bin thermostat capillary tube from bracket 2

3.2



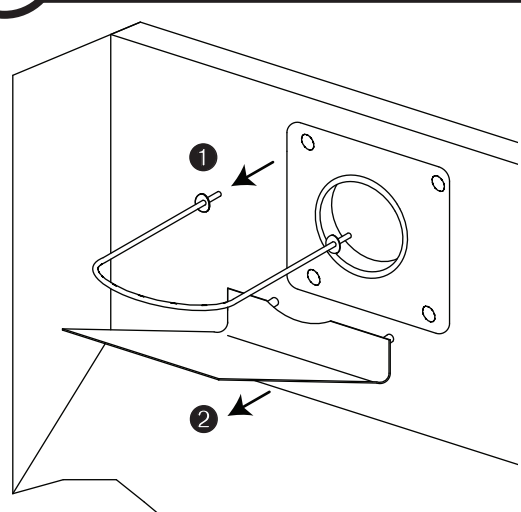
- Coil capillary tube and secure away from bin fill opening 1

3.3



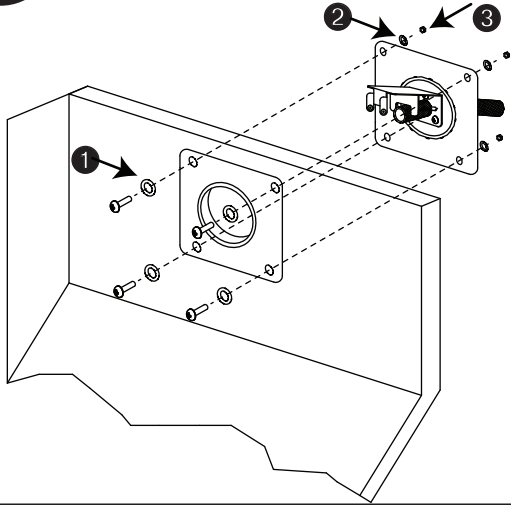
- Remove retaining clips 1 and deflector nuts 2

3.4



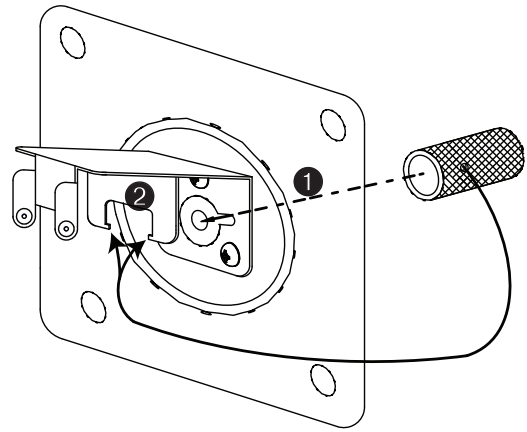
- Remove capillary tube bracket 1 and deflector (Fig. 4.2) from inside ice storage hopper 2

3.5



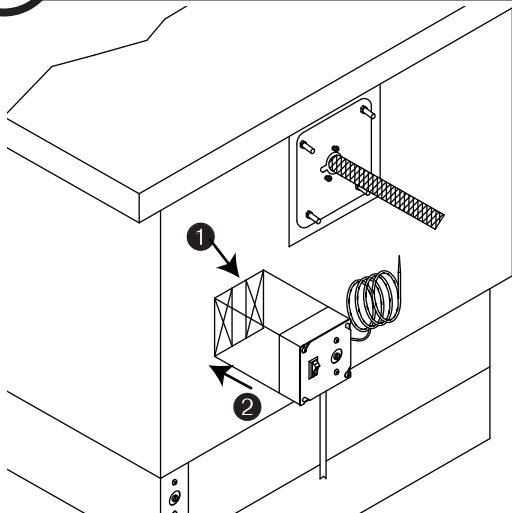
- Mount cover plate/transport tube assembly on outside of dispenser using screws, flat washers ①, lock washers ② and nuts provided ③

3.6



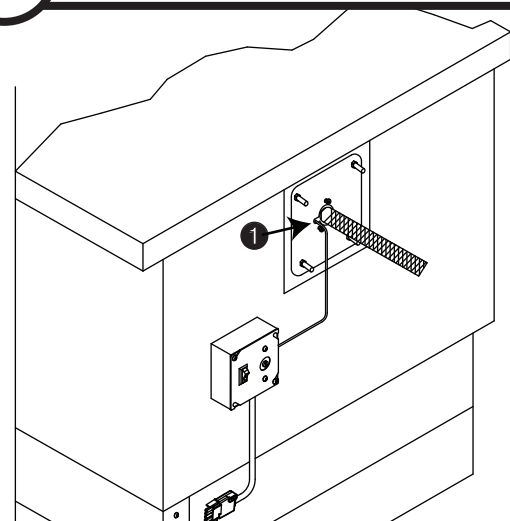
- Insert end of ice transport tube (with retaining holes) through hole in center of cover plate assembly ①
- Secure ice transport tube (holes) to retaining tabs on bracket ②

3.7



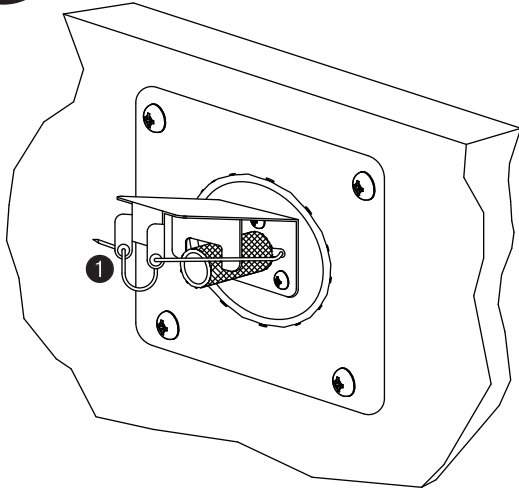
- Thoroughly clean outer wall of dispenser in area indicated ①
  - Peel backing from adhesive and mount bin thermostat box to dispenser wall ②
- Note:** Once adhesive on thermostat box contacts dispenser cabinet it can not be re-positioned.

3.8



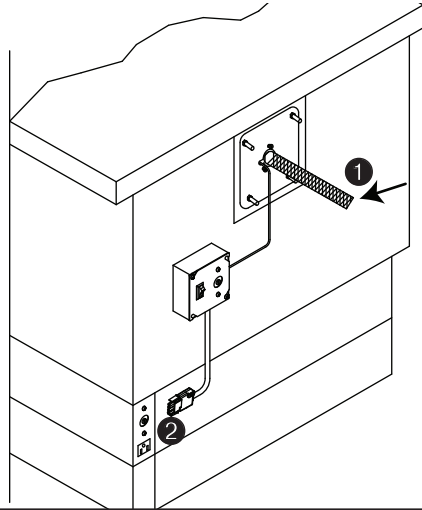
- Insert bin thermostat capillary tube through hole in gasket as indicated ①

3.9



- Route thermostat capillary tube through mounting bracket grommets as shown ①

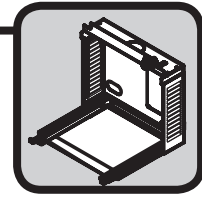
3.10



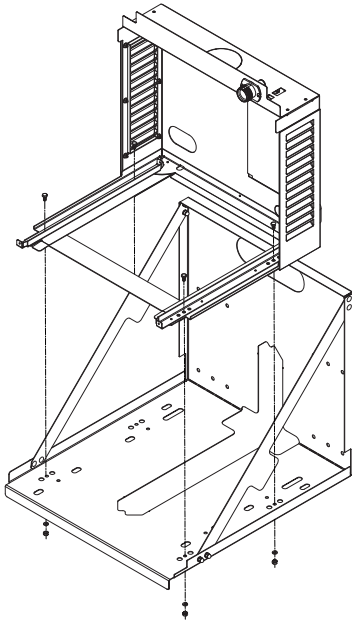
- Insulate entire length of ice transport tube ① and route to icemaker in accordance with directions in Horizon installation instructions
- Route bin signal wire to icemaker ②



Install the louvered docking assembly.

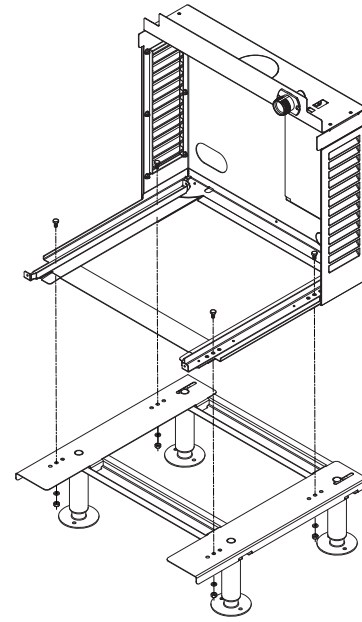


Wall bracket accessory



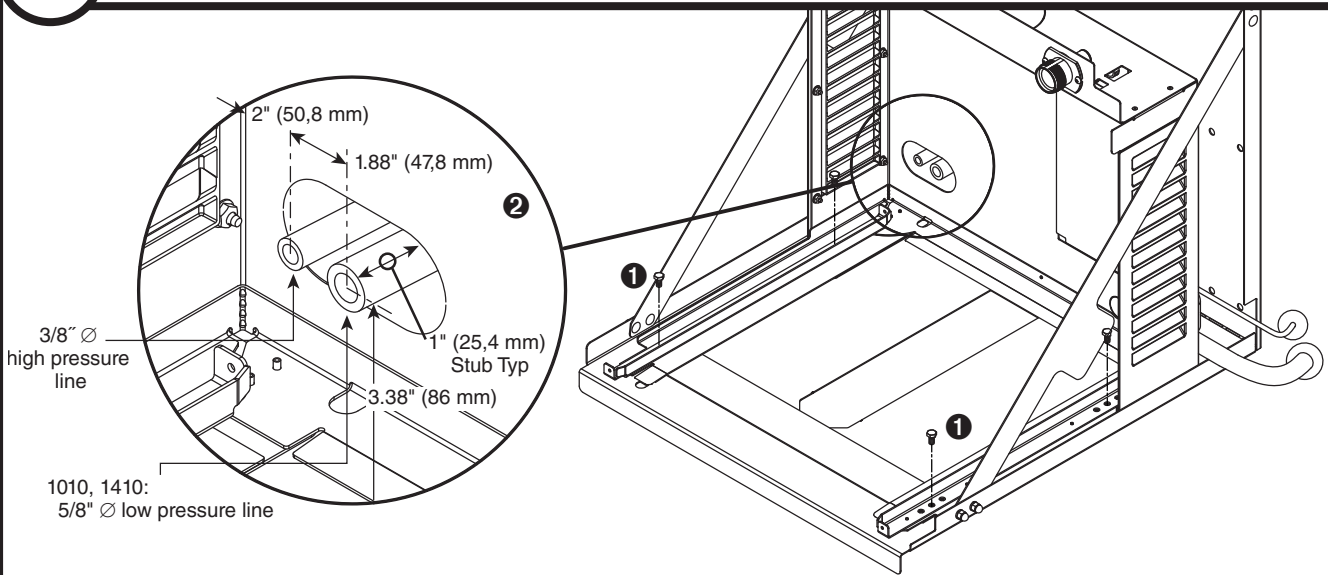
- Mount louvered docking assembly to wall bracket accessory

Machine stand accessory



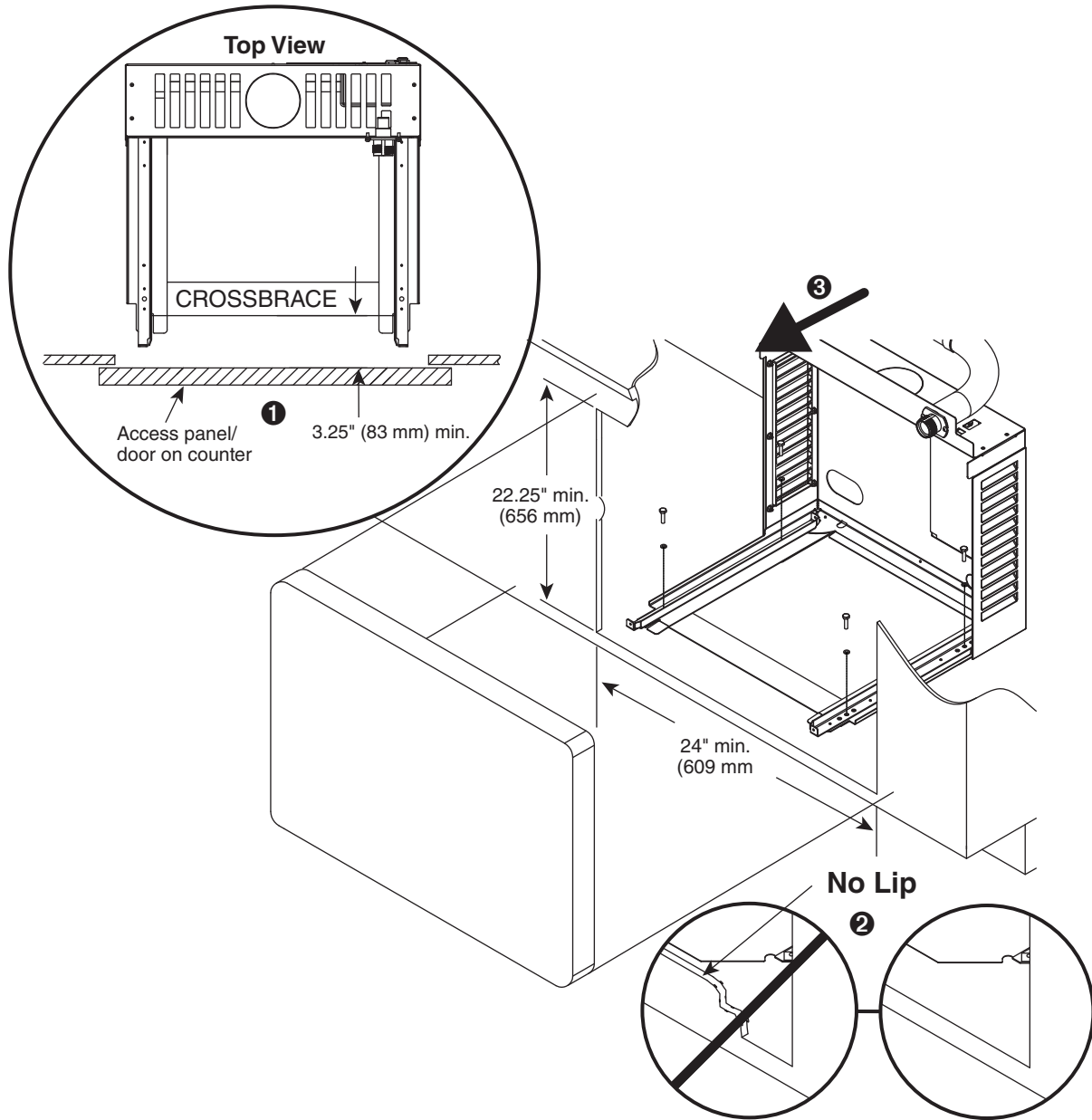
- Mount louvered docking assembly to machine stand accessory

4.1 Louvered docking assembly



- Mount louvered docking assembly ①
- “Rough-in” the refrigerant piping ②

## 4.2 Undercounter installation requirements



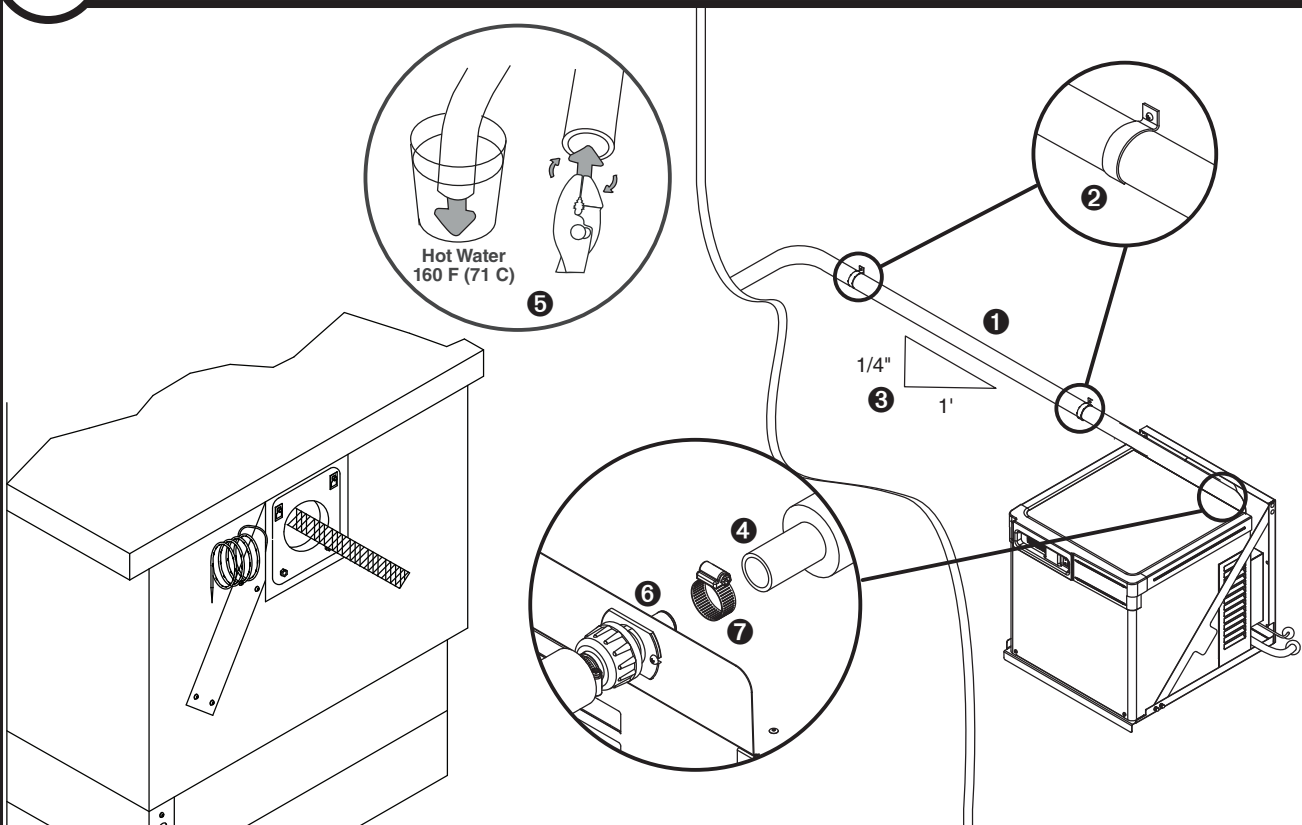
### DOCKING STATION

- Position and screw louvered docking assembly to the bottom of counter inside of access panel/ door min. of 3.25" (83 mm) from the front edge of the cross brace 1
- The mounting surface for the louvered docking assembly must be solid. Do not mount directly onto runners or channels.
- There must be no lip or edge that would hinder the ice machine from sliding in or out of the louvered docking station 2
- Ice machine must be installed facing forward as shown for service accessibility 3

Install the ice transport tube.



### 5.1 Ice transport tube installation from dispenser to ice machine



#### Ice transport tube tips

- Insulate entire length of ice transport tube ①
- Secure ice transport tube ② as needed to prevent dips and traps from forming. For long tube runs see guide on page 14.
- Pitch ice transport tube at least 1/4" per foot (6,4mm/.3m) ③
- Ice transport tube must drain towards ice machine

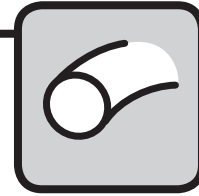
#### Ice transport tube to Ice machine

- Be sure tube ends are square ④
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ⑤ before making connection to ease assembly
- Push ice transport tube onto ice machine nipple ⑥
- Install hose clamp ⑦

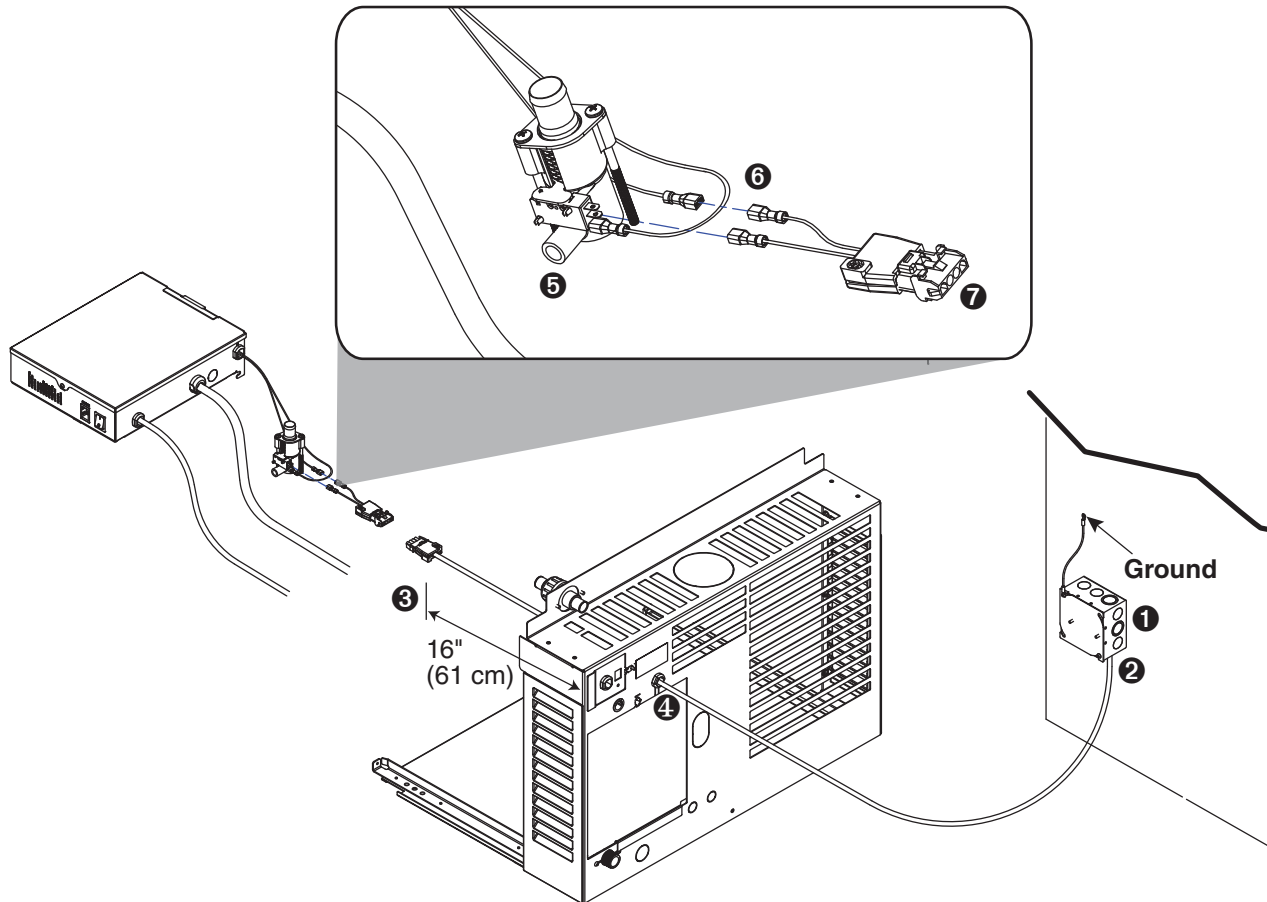
Install the bin signal.

Bin signal

6



## 6.1 Bin Signal Installation

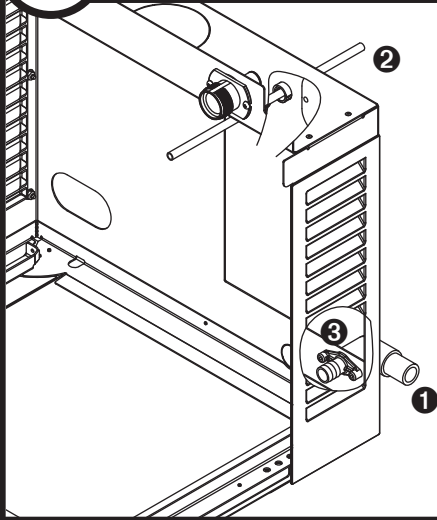


- Mount the electrical box to the side of the Vision dispenser ① to establish a ground connection. **Note:** If a 4 x 4 box is mounted to a non-grounded surface, connect ground wire at an appropriate ground.
- Connect the bin signal cord to the plug on the electrical box. ②
- Insert 16" (61 cm) of the long bin signal cable ③ into the hole in the back of the louvered docking station ④ and secure in place with strain relief provided.
- After sliding the ice machine module into the louvered 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

Connect utilities to louvered docking assembly.

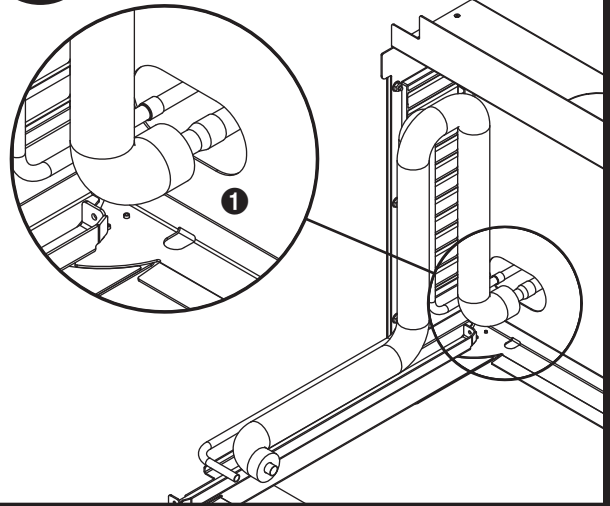


### 7.1 Water and drain



- Remove access panel if necessary.
- Install drain line ①.  
The rigid drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/0,3m).
- Rough-in ice machine potable water supply ②.  
3/8" push-in connection will be made at shut-off valve inside machine
- Apply Petrogel to barbed drain fitting ③
- Replace access panel.

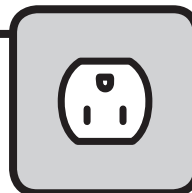
### 7.2 Refrigerant



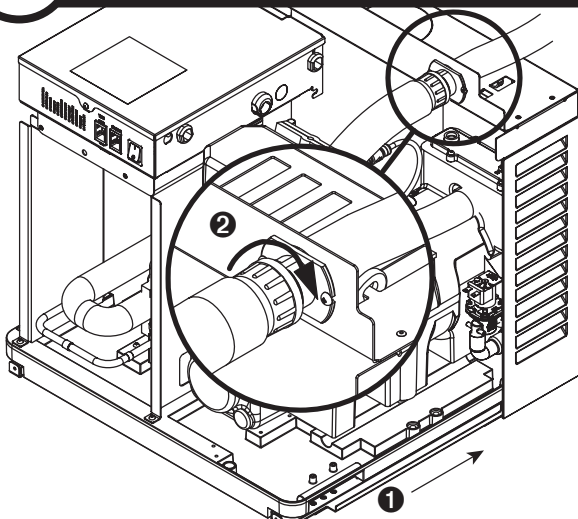
- Braze supplied expandable refrigerant lines in place ①

Connect louvered docking assembly to ice machine.

## Internal connections 8

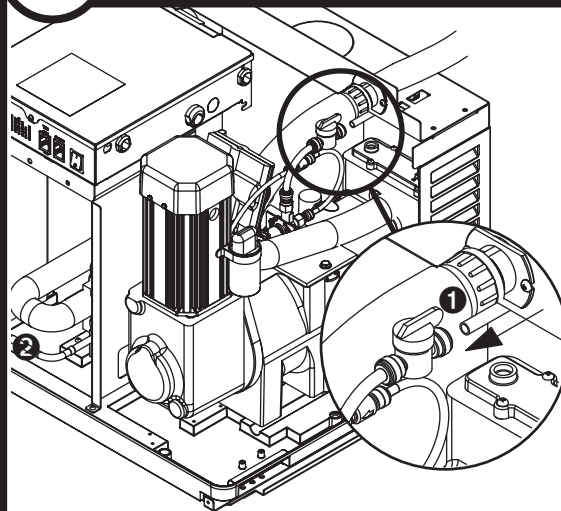


### 8.1 Ice transport tube installation



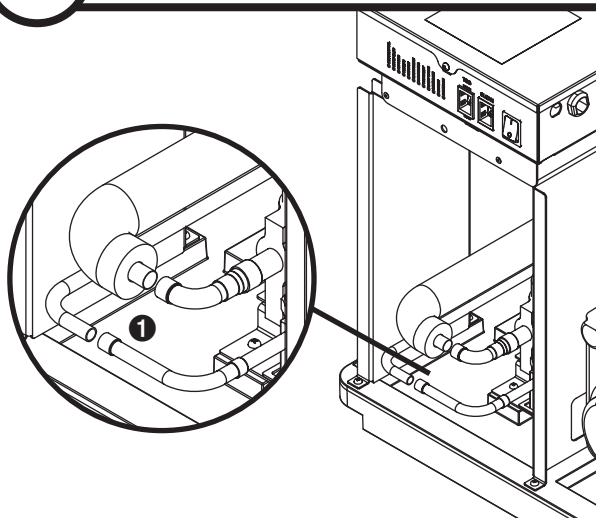
- Slide ice machine into louvered docking assembly *ensuring that drain tube is fully seated on barbed drain fitting* ❶
- Insert ice transport tube all the way into coupling and tighten nut firmly ❷

### 8.2 Water line



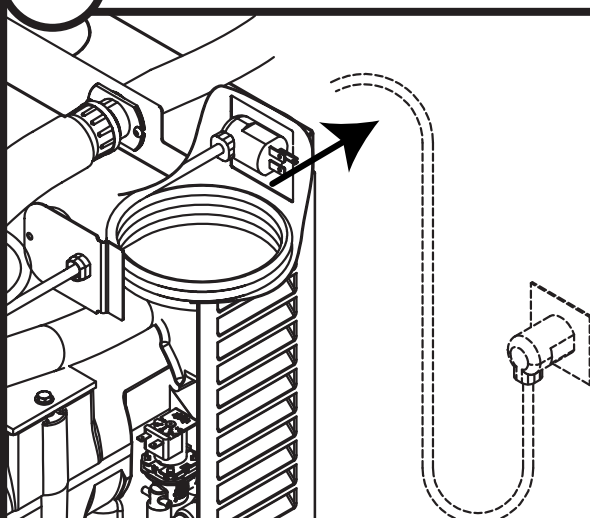
- Insert potable water line into valve ❶

### 8.3 Refrigeration lines



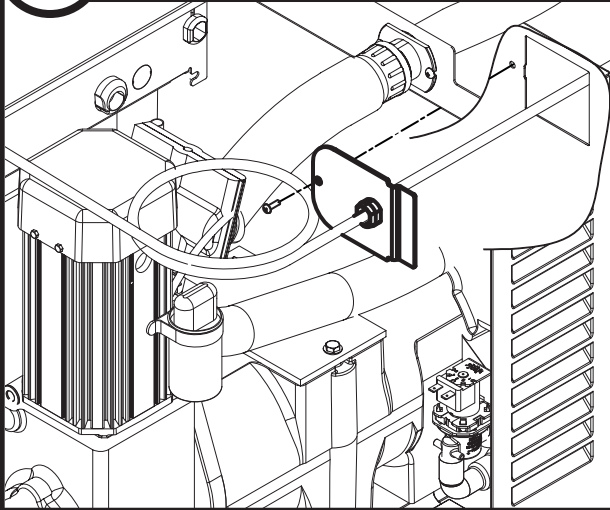
- Braze refrigerant lines ❶

### 8.4 Power cord



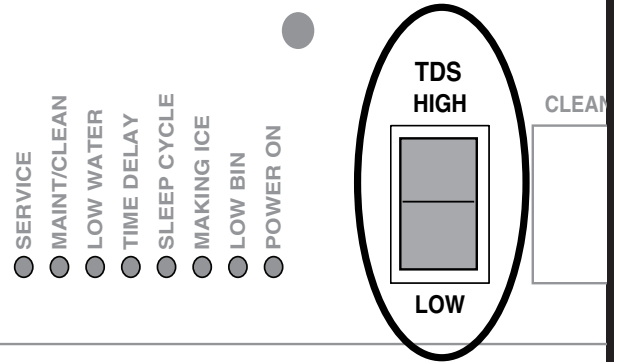
- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet

### 8.5 Power cord



- Position plate into opening and secure with supplied screw

### 8.6 TDS switch

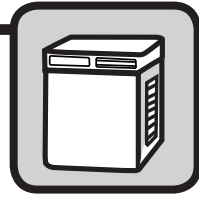


- Set the TDS switch on the electrical box:  
**HIGH:** for extended service life  
**LOW:** for low-scale water

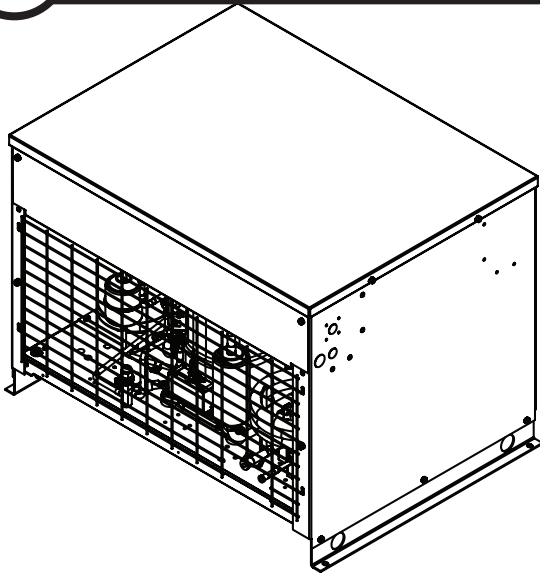
Install front cover to ice machine.

Front cover

9



### 9.1 Install condensing unit

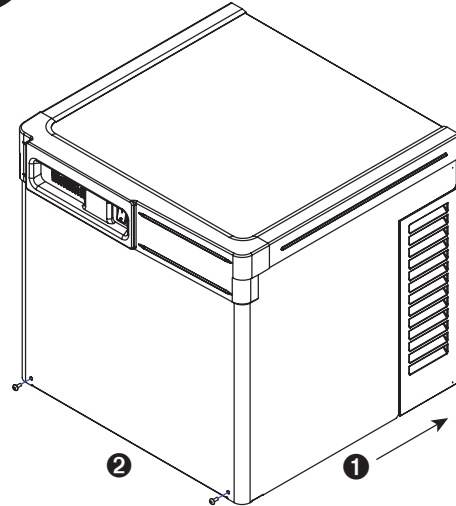


- Complete installation of condensing unit or connection to rack system.
- Required rack system capacity at 0 F (-18 C) evaporator (EPR supplied by installer).

1010N: 7,700 Btu/hr (1940 kcal/hr)

1410N: 10,000 Btu/hr (2519 kcal/hr)

### 9.2 Install ice machine front cover



- Slide ice machine cover over machine ensuring that tabs on back of cover slip under louvers on back of louvered docking assembly ①
- Insert and tighten two screws through cover and into louvered docking assembly ②

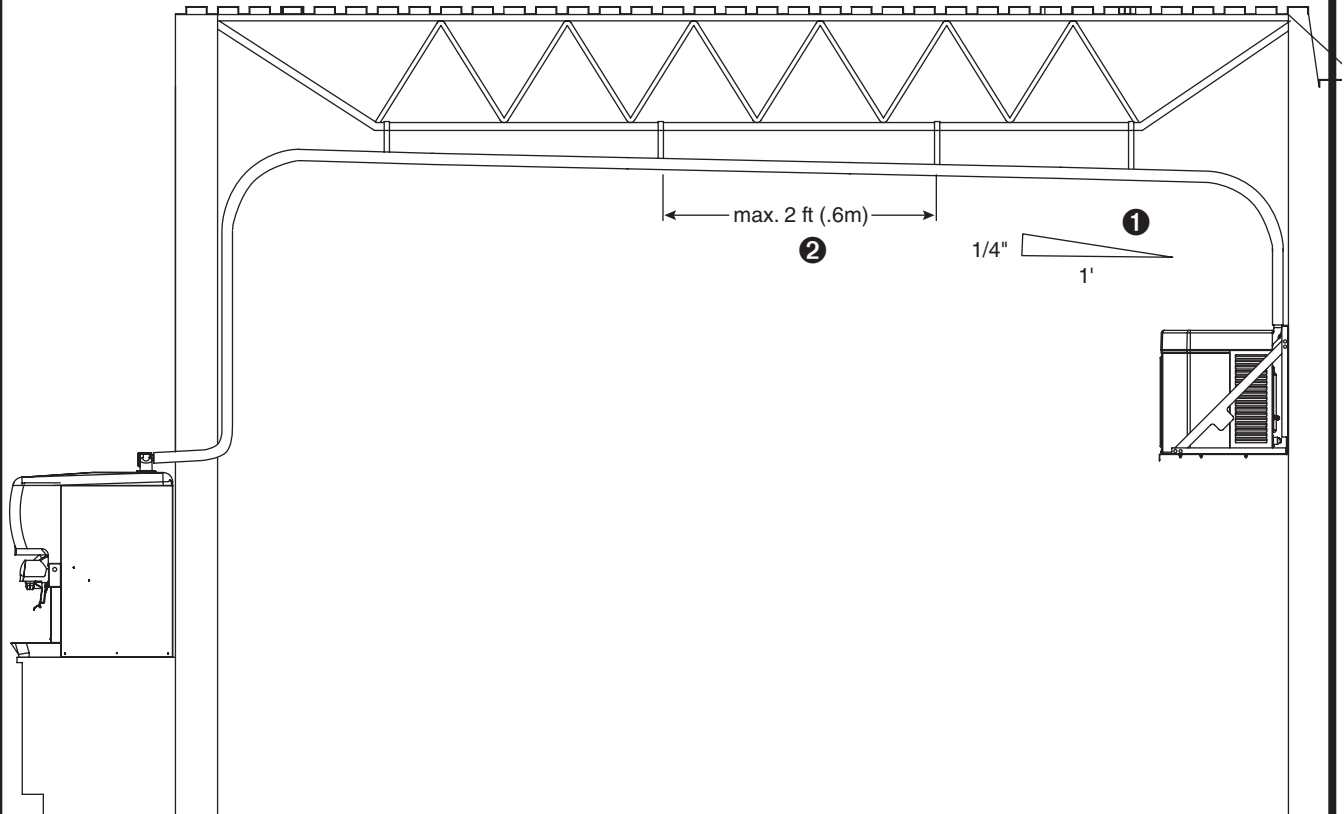
## NOTICE

**Ice machine MUST be sanitized prior to operation!**

Consult Operation and Service Manual provided with ice machine for sanitizing instructions.



## Long tube run recommendations



- Pitch ice transport tube to allow melt water to drain towards ice machine ①
- Secure insulated ice transport tube at least every 2 ft (.6m) to prevent dips or traps ②





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