

WASHINGTON COUNTY YOUTH HOCKEY ASSOCIATION Ice Resurfacers (IR) Basic Operations

** * * Arrive with enough time to fill and inspect the IR * * **

Before resurfacing:

Disconnect natural gas filling hose if connected.

Check water tanks and fill if needed.

Perform brief IR circle check to make sure IR is ready to go.

Wash down approach to ice surface with hot water.

Wash down IR tires and tire path in IR room. Set towel in the down position on conditioner.

Ready squeegee and scraper at ice entrance for after resurface.

Before starting IR:

Turn key to on position

You should hear the cooling fan start.

If you do not hear the fan, do not run IR or it will over heat on the ice.

Start IR.

Raise conditioner

Lift snow tank, remove safety bar and stow, lower snow tank.

Pull IR forward onto ice approach.

At 3 minutes before you are to scheduled to resurface, open the overhead door and start the IR (don't forget to raise the conditioner) and pull out onto the approach.

At 2 minutes before the scheduled time, sound the horn to get the coaches attention (this should give them enough time to finish the last drill and clear the ice).

Open IR doors

Visual check of ice to make sure all skaters are off ice.

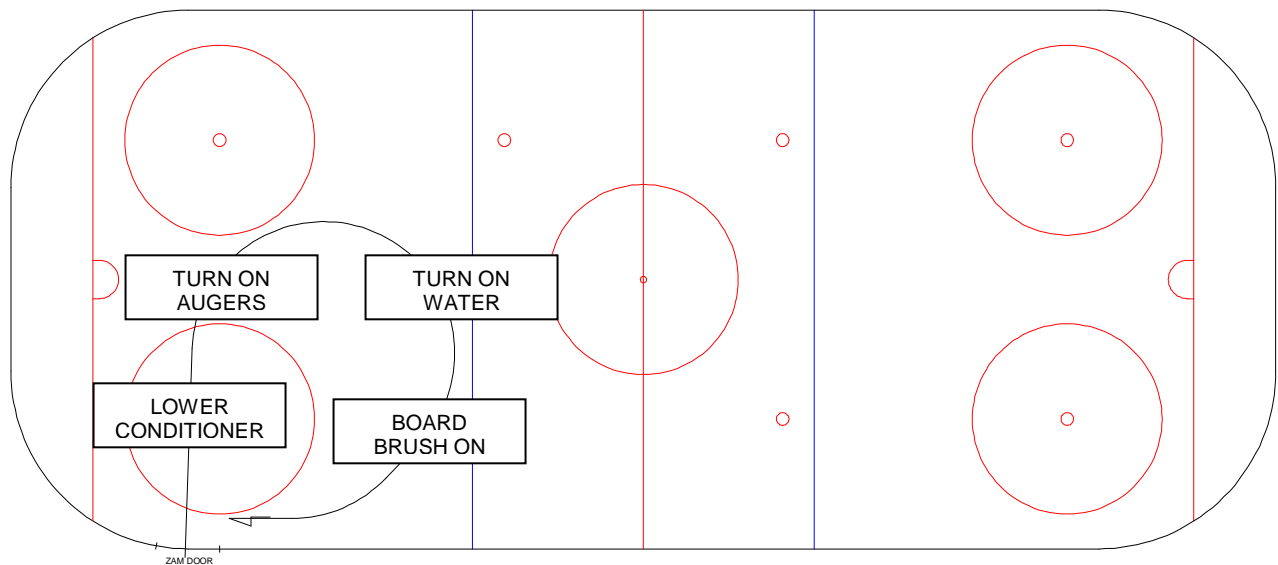
Visual check for far ice access doors closed.

Pull onto ice surface and begin resurfacing

How to resurface the Ice

- Survey surface for debris – visual check
- Survey dasher board area for equipment/patrons
- Get the IR up to speed
- Lower the conditioner while in motion
- Turn on augers
- Turn rinse water on full
- Turn ice making water on half
- Activate board brush

Driving path for entering the ice

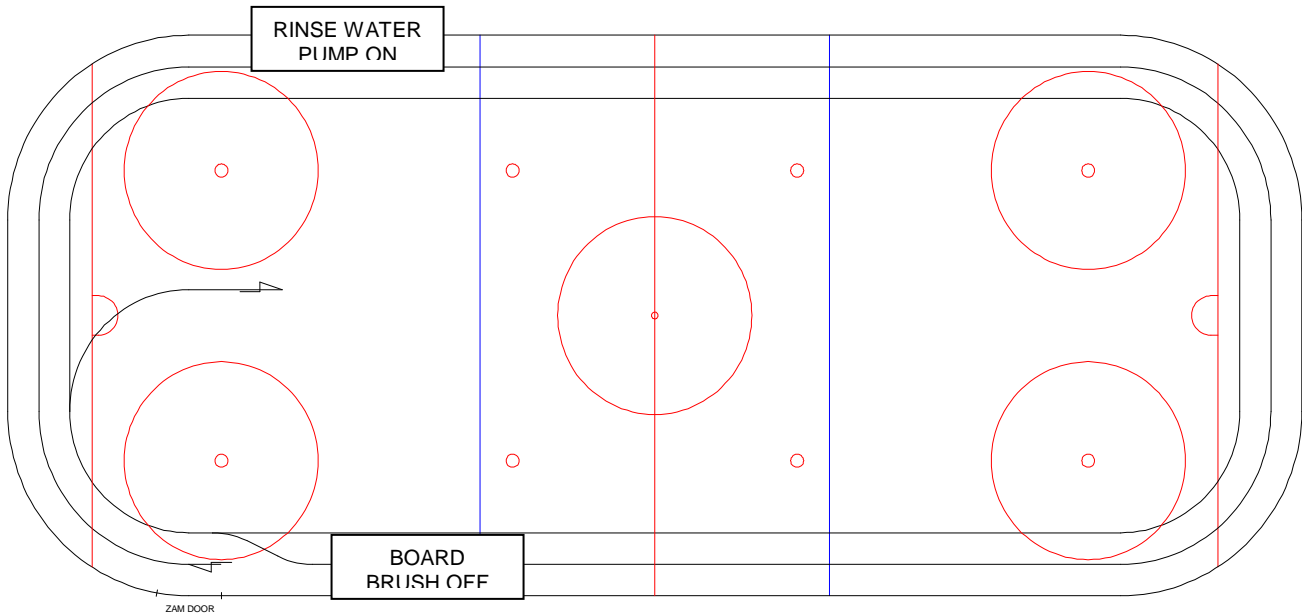


Move up to boards before IR doors

Board brush should ride along the edge with slight pressure against the boards.

Make sure to keep the conditioner away from the boards.

First 2 laps around the ice



On the first lap start rinse pump after corner opposite IR entrance.

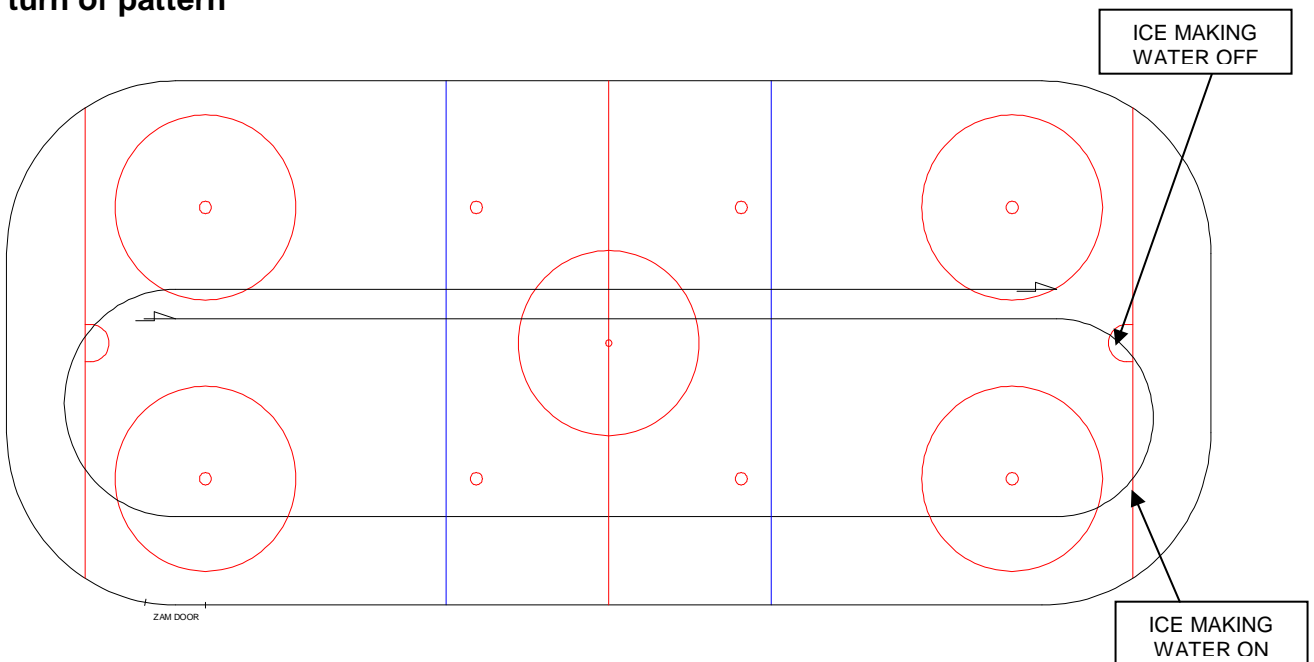
Make sure not to rub the IR along the boards and in the corners. The roller on the front of the IR is for safety and not as a guide roller to get around the rink.

As you start your second lap, turn off the board brush.

Turn ice making water all the way on.

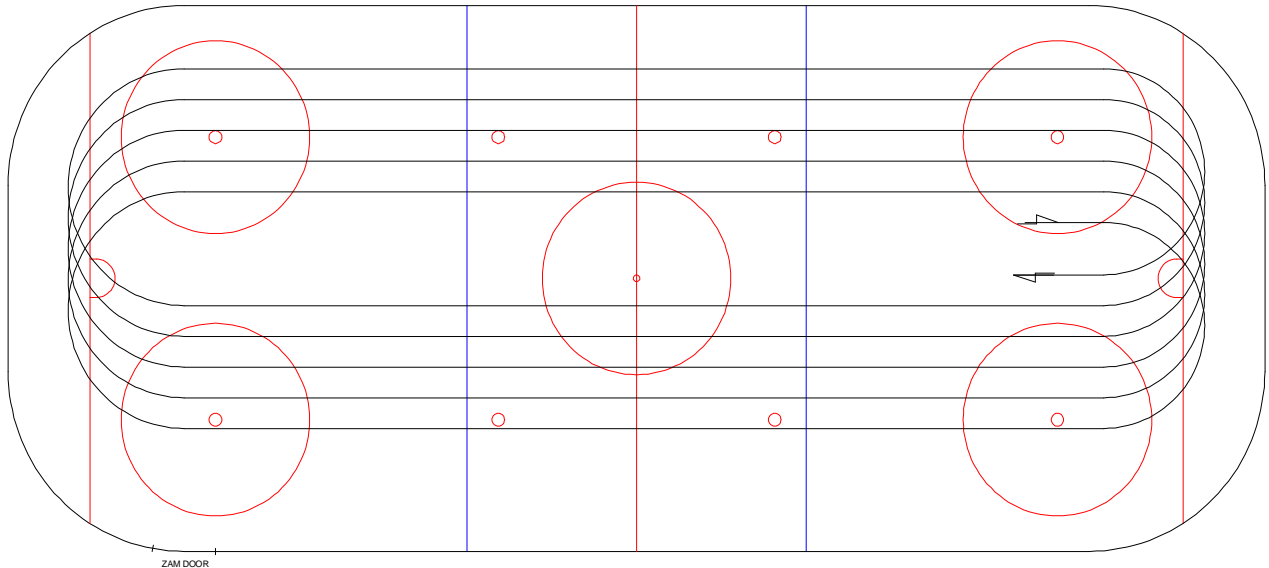
Pick up speed to drive at a constant rate.

First turn of pattern



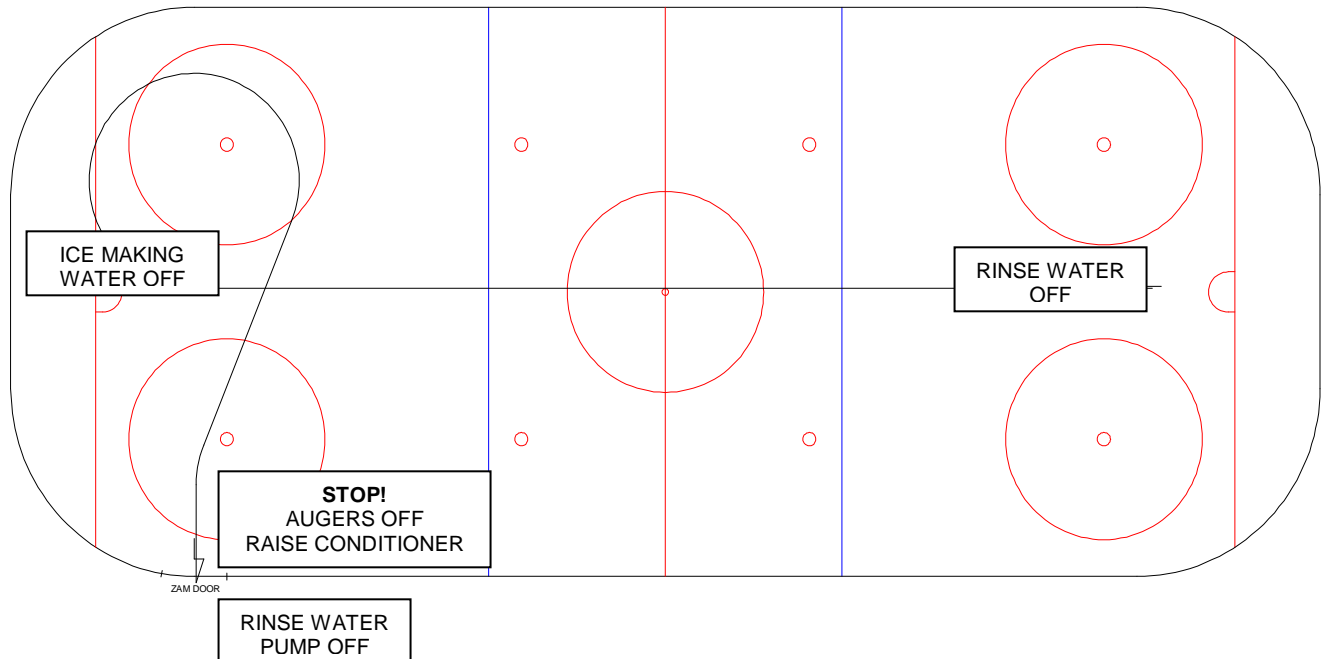
Turn off ice making water as front tires are between bottom of circles and goal lines.
Turn on ice making water as front tires cross goal line to go in opposite direction.

Completed over lapping pattern



Pulling off the ice

Turn off rinse water before you make your last turn.
Turn off ice making water as you head for the IR doors



Stop the IR completely with the **rear tires on the ice**.

Turn off both auger conveyors.

Raise conditioner off the ice (conditioner will not come up unless augers are off).

Double check that conditioner is off the ice (actuate conditioner up lever again).

Pull slowly off the ice to clear IR doors

Turn off rinse water pump

Scrape and squeegee excess snow and water from ice.

Close IR doors.

After resurfacing

Clear ice entrance of snow and water with squeegee and scraper.

Close IR doors.

Set towel in the up position on conditioner.

Dump snow tank outside (note amount of snow in tank):

Wash down IR tires and tire path in IR room:

Wash out conditioner.

Towel dry IR, wheel rims, and conditioner.

Fill ice making water tank with hot water (unless posted otherwise).

Fill wash water tank with cold water.

Connect natural gas filling hose as needed and start fill pump.

Record your scrape in the log.

If you have completed the last resurfacing of the day, you may skip filling the water tanks. The tanks may be left with some water or may be drained.

General Rules:

- No operator should attempt you use a cell phone while operating an ice resurfacer
- No operator should use any personal electronic equipment that requires “head phones” to be worn while operating an ice resurfacer
- IR’s are not too be sped along the straights and slowed in the corners
- One **constant speed** throughout the flooding process is the key to good ice
- All participants must stay off the ice until the IR doors are closed (pucks being shot at or near the IR operator is an “unsafe working condition” a **“stop work”** is an acceptable solution to chronic abusers)
- **Recommendation:** that no one be on the ice during the flooding process and all gates are closed