

CASE STUDY – ICE RINK DEHUMIDIFICATION

Provide a temporary dehumidification solution to allow for year-round rink use, to combat extended permanent unit lead times

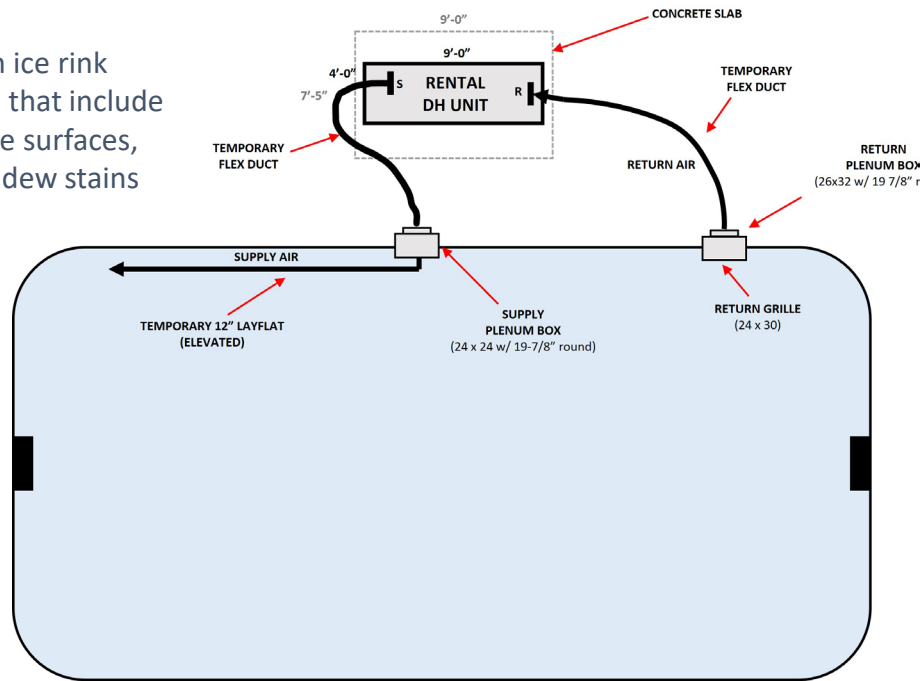
Summary:

Humidity and poor air conditions in an ice rink environment create a variety of issues that include sight obstructing fog, uneven/frosty ice surfaces, condensation, drips, 'mushrooms', mildew stains and corrosion.

The best way to combat all these issues is by maintaining a low dewpoint using desiccant dehumidification. Other significant benefits include an extended skating season and efficient operation all year.

Our client rented a dehumidification system (see picture below) to use during the 15-week wait period of the purchased permanent equipment delivery.

ICE and PDM Group provided transition plenums to penetration the ice rink bubble in such a way that both the rental and permanent units could utilize the same plenums, with little to no modifications.



Temporary flex duct was replaced with permanent ductwork during installation of the new system. The concrete slab was sized to accommodate both units, as was the electrical.