

| SVL Outfits the Ideal Medical Research Facility

LOCATION | Roseville, MN

CONSULTING ENGINEER | Obernel Engineering (now CMTA, Inc)

INSTALLING CONTRACTOR | Metropolitan Mechanical Contractors

EQUIPMENT SUPPLIER | AAON, CDI, Condair, Desert Aire, Loren Cook, Lennox, Titus

| BACKGROUND

Be The Match® is a global leader in bone marrow transplantation. The organization conducts research to improve transplant outcomes, provides patients with support and resources, and partners with a worldwide network of healthcare providers.

SVL was thrilled to learn Be The Match was constructing a new research center in our neighborhood in Roseville, Minnesota.

| CHALLENGE

The organization's research must occur under tightly controlled temperature and humidity conditions. Process-driven spaces like these have specific microclimates that must be achieved and feature many different environments under one roof.



Photo: Be The Match® Roseville, MN office building

| SOLUTION

SVL supplied solutions from several of its industry-leading manufacturers to achieve the perfect conditions for Be The Match's incredible research:

- Desert-Aire ExpertAire dehumidifier units to control humidity and AAON RN rooftop units with modulating compressors to control room temperature in their freezer storage area and cryo rooms.
- CDI Dry Climate active desiccant units paired with a Daikin remote condensing unit for post-cooling their Kardex areas to ensure a low dew point in the space.
- Daikin Rebel rooftop units with modulating compressors and hot gas reheat coils to control temperature humidity for their laboratory spaces in the summer, plus Condair humidifiers to ensure their humidity levels stay within range during the winter.
- Multiple high-plume Loren Cook exhaust fans to get the exhaust fumes up and away from the rooftop units.
- We replaced the landlord-supplied existing rooftop units with new Lennox VAV rooftop units paired with Titus VAV boxes to serve the main office spaces.



Photo: Be The Match® Rooftop Units

| END RESULT

The owners now have pinpoint control over several process-driven spaces and can easily monitor and adjust the tight temperature and humidity tolerances that their research efforts demand.