



THE EDISON

HEATING, VENTILATION, & AIR CONDITIONING FACTSHEET

Address: 150 – 9th Avenue SW, Calgary, AB

General Description: 150 9th Avenue is located on the corner of 1st Street and 9th Avenue SW; near hotels, restaurants, shopping, City transit bus stops and LRT Platforms. The property has an underground heated Parkade (54 stalls) and access to the 1,400 stall Palliser Parkade connected by +15 through Tower Centre.

Mechanical Engineer: Original construction, The ECE Group. Current Base Building is Smith Andersen Engineering Ltd.

General:

- The building automation is Delta Controls, Enteliweb Operating System.
- Heating and cooling to the tenant spaces is provided by perimeter Induction units controlled by Dual thermostats and Variable Air Volume (“VAV”) interior air boxes (10-30 per floor).
- 3 new Volcano hot water boilers were installed in 2001, 2 York centrifugal Chillers 600 tons cooling each replaced in 2003.

Design Criteria: The building’s HVAC systems are designed to meet or exceed ASHRAE Building Code requirements. Central air distribution with each typical floor (3 to 28) having 4 HVAC zones; North and South perimeter induction system and 2 interior VAV zones (1 High Rise and 1 Low Rise) located above the ceiling.

Filters: Merv 13 bag filters. Bag filter changes are based on pressure drop over the filter bank averaging between 1-2 years depending on outdoor air quality.

Heat: Three Volcano hot water boilers located on the 29th floor provide the heating to the building. Dual thermostat controlled perimeter induction on the floors modulate to control space temperature.

Air Conditioning: 2 York chillers; each are 600T totaling 1200 tons for the building located on the 29th floor to provide the cooling. Chilled water is circulated to provide cooling for the North, South induction and High and Low rise interior zones.

Air Exchange: Tower Floor Air Exchanges will be up to 6 times per hour with a complete Outdoor air replacement every 90 minutes.



Standard Hours of HVAC Operation: Monday to Friday 6am to 6pm, excluding statutory holidays

COVID-19 and HVAC

Ventilation and filtration provided by HVAC systems can reduce the airborne concentration and risk of transmission through the air. However, even the most robust HVAC system cannot control all airflows and completely prevent the spread of the virus. Ventilation and effective airflow pattern is however a primary infectious control strategy. The filtration systems in The Edison are first class and at the high end of the MERV (Minimum Efficiency Reporting Value) rating system. With the warmer weather, our dampers are open to allow for maximum fresh outdoor air to dilute air contaminants that are generated by the building, its furnishings and its occupants that may potentially carry COVID-19.