



333 11th

HEATING, VENTILATION, & AIR CONDITIONING FACTSHEET

Address: 333 – 11th Avenue SW, Calgary, AB

General Description: 333 - 11th Avenue SW is a 16 storey, B class office building situated off of 11th Avenue and 4th Street. Located in Calgary's beltline, the property is conveniently one block south from plus 15 access. The 333 - 11th Avenue Parkade includes 149 underground stalls and bike storage with a ramp located directly off of 11th Avenue. The Parkade offers better than market parking ratios as well as easy access and egress routes from 11th and 12th Avenue

Mechanical Engineer: TMP Consulting Engineers.

General:

- The building automation is Delta Controls, Enteliweb Operating System.
- Heating and cooling to the tenant spaces is provided by perimeter radiation (8 zones per floor) and Variable Air Volume ("VAV") interior and exterior air boxes (10-20 per floor).
- Building heating Boilers were replaced in 2013. Chiller was replaced in 2002.

Design Criteria: The building's HVAC systems are designed to meet or exceed ASHRAE Building Code requirements. Central air distribution with each typical floor (Main to 16) having 1 HVAC zone and 8 perimeter heating zones. Floor air is distributed through a VAV system located above 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: 4- Raypak hot water boilers- max capacity 1,999MBH w/ internal pumps providing perimeter fin and tube heating on each floor. 2- Raypak glycol condensing boilers supplying the Air handling Unit. All boilers installed in 2013.

Air Conditioning: Mechanical Chiller – McQuay centrifugal chiller – 580 Ton capacity – R134A Refrigerant – installed 2002.

Air Exchange: Tower Centre 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: 6:00 a.m. to 6:00 p.m. Monday to Friday



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 at 333 11th Ave 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.