

Suncor Energy Centre | Building Specifications

General Description	<p>Suncor Energy Centre is a 1.7 M square foot project comprised of two office towers of 32 floors and 52 floors. The office towers encompass 1.7 M square feet of rentable office space with the complex also containing 25k square feet of retail plus an 849 stall parkade.</p> <p>Suncor Energy Centre is a certified green building with a Gold level of certification in the Leadership in Energy and Environmental Design (LEED®) Existing Buildings: Operations and Maintenance program.</p>
Design Architect	<p>WZMH Jerilyn Wright and Associates</p>
Mechanical Engineer	<p>TMP Consulting Engineers (Alberta) Ltd.</p>
Electrical Engineer	<p>Mulvey + Banani International (Alberta) Inc.</p>
Structural Engineer	<p>Read Jones Christoffersen Ltd.</p>

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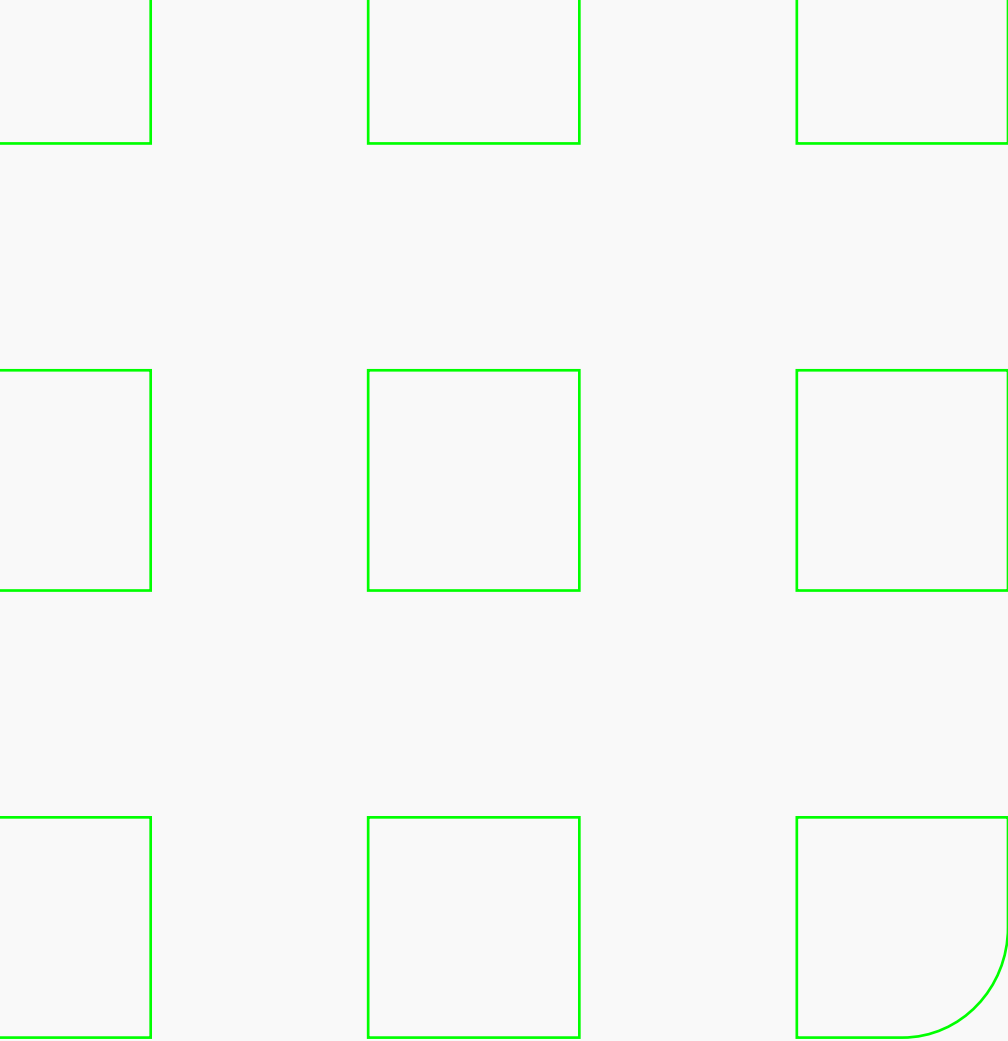




Completion Date	East Tower – 1983 West Tower – 1984
Building Height	East Tower 138 m, 32 stories West Tower 215 m, 52 stories
Design Load	Live Loads: 50 lbs live 100 lbs in select areas
Parking Clearance	Approximately 6'6"
Rentable Area	Approximately 1,731,312 SF
Typical Floor Area	Approximately 19,500 / 22,400 SF
Ceiling Heights	Slab-to-slab heights on office floors average 3.7m 11.5ft Standard floor to ceiling height is 2.59m
Mullion Spacing	Nominally 1500 mm
Interior Column Spacing	Generally, every 9 m on center
Heating, Ventilation and Air Conditioning	The Building Automation and Energy Management System is primarily Johnson Controls equipment. In addition to equipment operation and control, the system performs demand totalization, load shredding, duty cycling, VFD load limiting functions, however not limited to. The building's HVAC systems are designed to meet or exceed ASHRAE Building Code requirements. Individual fancoil units on each floor provides tenants the ultimate comfort control.
Heat	Heat is supplied by 3 Cleaver Brooks boilers located on the top of the East tower.
Air Conditioning	Cooling is provided by 5 York chillers located on the P3 level of the building. 3 of the chillers are 1000T solid state and 2 are 970T VFD chillers. Supplemental HVAC is available 24 hours a day.
Standard Hours of HVAC Operation	7:30 a.m. to 6:00 p.m. Monday through Friday 7:30 a.m. to 1:30 p.m. Saturdays



Electricity	Building-standard power consists of 3.5 watts per usable square foot, connected load. Additional power is available based upon demonstrated need.
Electric Closet	2 per floor
Telephone Closet	2 per floor
Number of Passenger Elevators	46 Elevators East Tower – 7 Low-rise and 8 High-rise West Tower – 8 Low-rise, 8 mid-low-rise, 6 mid-high-rise, 6 high-rise, Shuttles – 3
Passenger Elevator Capacity	East Tower – 3,500 lb. capacity West Tower – 3,500 lb. capacity Shuttle – 2,500 lb. capacity
Passenger Elevator Speed	East Tower Low rise – 500 ft/min High rise – 700 ft/min West Tower Low rise – 500 ft/min Mid-low rise – 700 ft/min Mid-high rise – 1,000 ft/min High rise – 1,200 ft/min Shuttles – 350 ft/min
Number of Service Elevators	East Tower – 1 West Tower – 2
Service Elevator Capacity	East Tower S1 – 5,100 lb. capacity West Tower S2 – 4,000 lb. capacity S3 – 5,100 lb. capacity
Service Elevator Size	East Tower S1 – 5,100 lb. capacity West Tower S2 – 4,000 lb. capacity S3 – 5,100 lb. capacity



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