

WSM Engineering Inc. Woodbridge, Toronto

Mixed Use Office-Restaurant building, 1233 Woodbine Ave, Toronto, ON

Scope of work for M & E disciplines:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC
5. Kitchen Equipment, Hood System & Fire Suppression

3570 VICTORIA PARK AVENUE Office Building, TORONTO, ON

Scope of work for M & E disciplines:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC

IPEX OAKVILLE Building, U3-1425 NORTH SERVICE ROAD EAST, OAKVILLE, L6M 2W2 UNIT#1

Scope of work for M & E disciplines:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC

Jardin Belle Rive Building MOTEL, 2950 Laurier St. Clarence Rockland, ON

Scope of work for Sprinkler System Design Permit disciplines:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of Ontario Fire Code

Acceleration Business Campus Building, YEDI, 907 Alness Street, North York, ON

Scope of work for M & E disciplines:

1. Interior Alteration Existing building

2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC

Medical Office Building, 160 Sheppard Avenue, North York, ON

Scope of work for M & E disciplines:

1. Proposed new work
2. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC
3. Underground Garage
4. CO Monitoring & Control System

Office Building, 8750 Jane Street, Vaughan, ON

Scope of work for HVAC design disciplines:

6. Proposed new work
7. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC

First Hungarian Baptist Church, 7279 Islington Avenue, Woodbridge, ON

Scope of work for HVAC design disciplines:

8. Proposed new work
9. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC

Korean Church, 11 Churchill Avenue, North York, ON

Scope of work for M & E disciplines:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC
5. Kitchen Equipment, Hood System & Fire Suppression

Industrial Truck Terminal – 181 Trade Valley Drive, Vaughan ON

Scope of work: for Mechanical discipline

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC
5. CO and NO2 Control System

SE Markham Park - Plumbing Design City of Markham ON, Water Service

Scope of work for Mechanical discipline:

1. Water Service Permit Drawings
2. Written Specs
3. Hydraulic Calculation

Godiva Chocolatier Shop in Shop HBC Queen Street-176 Yonge Street, Level B1-Space 75, M5C 2L7, Toronto ON

Scope of work: M&E for USA Client

Project was proposed renovations and interior alteration of use of the facility, retrofitting and replacement works, to prepare building permit drawings for M&E services. Coordinate with USA main office of client and evaluate the project to meet OBC and Canadian Standards

Industrial building - 861 Cranberry Court Oakville, ON

Scope of work for M&E disciplines:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Eliminate issues about existing HVAC units

Westwood Mall existing Unit#1D13 (Hair Saloon shop), 7205 Gore way Drive, Mississauga ON

Scope of work for Architecture & Plumbing services discipline:

1. To provide proposed new plan for the Hair Salon Unit & this is for a tenant let out application
2. To provide proposed Salon System , connect to existing plumbing system
3. To provide schedule of equipment, list of Salon fixtures, details and specs

1390 Don Mills Road now 16 Mallard Road, Building A Tenat Food Stall Unit # A208, Vita Di Pasta North York Toronto ON

Scope of work for Architecture & Mechanical discipline:

1. To provide proposed new plan for the Kitchen this is for a tenant let out application
2. To provide proposed Kitchen Hood System & Grease Trap into existing plumbing system and provide calculations
3. To provide schedule of equipment, list of kitchen fixtures, details and specs

416 SNACK BAR, 181 Bathurst Street, Toronto, ON, M5T 2R7

Scope of work for Architecture & Plumbing services discipline:

1. To provide proposed new plan for the Snack bar Unit Restaurant
2. To provide proposed Plumbing system reno , connect to existing plumbing system
3. To provide schedule of equipment, list of Kitchen, Sanitary fixtures, details and specs

Grace Place Church, 156 Main Street, Brampton, ON

Scope of work for Mechanical discipline:

1. To provide proposed new plan for the existing Kitchen this is for replacing existing kitchen hood.
2. To provide proposed new plan for existing Kitchen to add Grease Trap into existing plumbing system and provide any calculations as needed
3. To provide schedule of equipment, list of sanitary fixtures, details and specs as & if needed

Vietnamese PHO Restaurant, Windsor, ON

Scope of work for Mechanical discipline:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC
5. Kitchen Equipment, Hood System & Fire Suppression

Kingsville Mastronardi Winery, Windsor, ON

Scope of work for Mechanical discipline:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work
4. Compliance of ASHRAE 62.1 Ventilation minimum requirement of OBC
5. Site services for Sewage system, septic tank and forced flow drainage system

U-Haul Ajax, Toronto ON

Scope of work: M&E for USA Client

Project area 35,000 SF. Proposed renovations and interior alteration of use of the facility, retrofitting and replacement works, to prepare building permit drawings for M&E services. Coordinate with USA main office of client and evaluate the project to meet OBC and Canadian Standards

ABC Academy converted into Child Care Center, Toronto (Heritage Building)

Scope of work for M&E disciplines:

1. Interior Alteration Existing building
2. Retrofit Work / Replacement
3. Proposed new work

Father Bulfon Community Center, City of Vaughan

Scope of work for M&E disciplines:

1. Addition/New Proposed Work: This includes (a) Proposed Activity Room 2606 SF (b) Proposed Fitness Room 4606 SF
2. Interior Alteration/Retrofit Work: Changing (2500 SF) existing Cycling room and Yoga room turn to Proposed Men's and Women's Washroom and new Cycling room
3. Relocation/Retrofit Work: Rearranging (2000 SF) Existing Family, Men's & Women's changing rooms into Proposed Men's, Women's & Family Changing rooms.

1025 Queens Street, CINEPLEX, Toronto

Proposed Renovations and Additions to Existing 1025 The Queensway Cineplex - Sprinkler Design & Wet Chemical Fire Suppression system for Kitchen Hood the fire protection, HYDRAULIC CALCULATION REPORT (Automatic Sprinklers for the two cinemas 1 & 2 and few minor rooms (space washrooms, storage rooms, pump rooms around concessions etc.)

Rosedale Medical Center, Toronto

Project consisted of 9 floors. A few features of this project are-meeting the Supply air changes per hour, Outdoor air changes per hour to the various rooms, Design for specified indoor conditions, Pressure relationship to adjacent rooms. HEPA filters of for efficiency in IAQ. Constant Air Volume systems and Heat Recovery units were specified for energy conservation purpose. Roof Top Unit, DX Split system, Air Handlers Economizers, Humidifiers, Burner, Controls, ductwork, pipework, drain, gas, electric etc complete retrofit replacement of units, HVAC Design was based on ASHRAE, OBC, CSA, HVAC Design Manual for medical center and ASHRAE 90.1 and 62 and Energy Efficient design drawings and specifications and equipment selection for building permit.

326 Superior Blvd. Mississauga, Proposed office/Warehouse fit out for Communications Repair

Logistics:

Determine Design Heat Gain/Loss Calculations, Produce HVAC building Permit Drawings, specs etc. based on the Architect's CAD drawings & project related information and site visit. Structural/Civil engineering work only coordination. Architectural floor plan & details of facility is not part of our scope of work but it should be made available to us in CAD format. Design shall meet OBC/ASHRAE standards.

Ex. MOTEL BUILDING RENOVATION @ 1655 Graven Hurst HWY22 ON

To provide HVAC design services to an existing commercial MOTEL building renovation, Graven Hurst, ON. Gas fired unit heater application changed later to radiant heater units.

A & F Industries, Bolton:

To provide Mechanical Engineering review service for the following tanks' drawings of M/S A & F Industries, tank Manufacturers, fabricated with respect to relevant ASME standards. The tanks will all be installed indoors at ambient temperature and mounting is done by others. 5 of the 7 tanks are mounted directly on the floor & 2 of the 7 tanks will be elevated and supported as noted in the following drawings.

131 East Drive Brampton:

Refrigerated Warehouse, designed for chill warehouse indoor temperature, for building permit but this project did not close-up.

Many Residential Single Family dwelling homes based on SB12, Combo systems and Energy Efficient design works not listed here.

Participated in following projects:

Existing Chemical Industrial Facility, New York, USA:

HVAC proposal for a new additional industrial 4 storey building to & a minor ducting retrofit to changes to 5 storeys Alcoves

Royal York Stacked Townhouse, Toronto, Ontario.

Our scope of work would be to provide Design Service for HVAC + Plumbing + Fire Protection systems

AURORA LANDS, Townhouse, Milton, Ontario

Our services cover for Proposed S/M/E Engineering Design. Our scope of work would be to provide Design Service for HVAC + Plumbing + Fire Protection systems for following items included. 99 Units (13 Combinations/Permutations) and general/common/Site/Garage services

LC BO, Block M, London

Our scope of work would be to provide Design Service for HVAC + Plumbing + Fire Protection systems

Canadian Tire, Block A1-A2, Cambridge

Our scope of work (M&E) would be to provide Design Service for HVAC + Plumbing + Fire Protection systems

Heritage House – Reidon House Conservation Strategy Royal West- Commercial Block

Our scope of work (M&E) would be to provide Design Service for HVAC + Plumbing + Fire Protection systems

RCMT Canada Corp. Pickering

Bruce Power Nuclear Restart Power Plant at Kincardin:

Conduct and Manage the Design Changes to the existing nuclear process systems in various areas. Took Lead role in the Updating Vendor Documentation, Design Notification Changes and Packages Closing process, Assisted in the Field Changes Notifications and HVAC Ventilation Changes. Design based on Hartman Loop technology which is demand based control, VSD 3x800TR chillers, VFD CW VIL pumps, boilers, heat exchangers, cooling towers, all controlled by an Integrated Plant Controller.

Energy from Waste at Durham:

Two 240 TL of municipal solid waste to energy power plant system consisting of Boilers, Turbines, Cooling Towers, Heat Exchangers, Pumps, Chillers, Ventilation systems, Fresh Air and Make up air units, Heaters , Conveyers and Disposal systems and future expansions.

Review of Drawings, P& IDs, Specifications and other documentations of the project.

Review relevant codes as applicable for all drawings and specification to meet international, national, federal, provincial, municipal, TSSA and local codes and regulations and bylaws including health and safety.

Armstrong SAA Toronto

North Western Memorial Hospital, Chicago:

Design based on Hartman Loop technology which is demand based control, VSD 3x800TR chillers, VFD CW VIL pumps, boilers, heat exchangers, cooling towers, all controlled by an Integrated Plant Controller.

Hyde Park Hotel, London UK:

Design based on Hartman Loop technology, IPC for VFD 3x1500KW chillers, VFD and VIL primary/secondary/condenser pumps, geothermal heat pumps, and adiabatic air condensers using humidifiers and all controlled by an integrated Plant controller

Georgetown Guyana School USA:

Package consisting of IPC, VIL pump sets, Heat exchangers, pressure vessels, Filters and piping work

Nuclear Safety Laboratory USA:

Package consisting of IPC, VIL pump sets, Heat exchangers, pressure vessels, Filters and piping work

Computer Data Centres USA:

Package consisting of IPC, Chillers, VIL pump sets, pressure vessels, Filters and piping work, cooling towers, modular enclosure

Cobalt Engineering Science Toronto

Wal-Mart's Supercentres across Canada having roof top units, exhaust fans, heat exchanger, water heaters, air distribution system and piping for plumbing and HVAC systems.

Millennium Consulting Engineering Ltd. Burlington

Hotels typically having 120 suites having Unit Package, Furnaces, HRV, FAHU, Kitchen hoods, Laundry, Swimming Pools, Dehumidifiers, Exhaust fans and controls:

Holiday Inn @ North Bay (5 Storeys)

Marriot Residence Inn, Graven Hurst (6 Storey Building)

Park wood Mennonite Building, Waterloo (6 Storey Building)

Hampton Inn, Moncton (6 Storey Building)

Homewood Suites-London (6 Storey Building)

Tranquility Place, Seniors Residence (9 Storey Building)

Tollendale residence building for seniors (6 Storey Building)

Restaurants typically have smart kitchen hood system, package roof top units, ERV, FAHU, EF with air distribution system and controls including CO2 monitoring systems and plumbing works:

Jack Astor

Harvey

Montana

Scores

Swiss Chalet

New York Fries

Kelsey

Milestone's Grille and Bar

Jain and Associates Consulting engineers, Mississauga, Ontario

Al-Zahra Hospital, Dubai:

Project consisted of around 200 beds & 25 wards and 7 floors. A few features of this project are-meeting the Supply air changes per hour, Outdoor air changes per hour to the various rooms, Design for specified indoor conditions, Pressure relationship to adjacent rooms. HEPA filters of efficiency greater than 99.97%. Variable Air Volume systems and Heat Recovery units were specified for energy conservation purpose. Chillers, Air Handlers, Cooling Tower and Fresh Air Handlers, Chilled Water Pumps were other features in this project. HVAC Design was based on ASHRAE HVAC Design Manual for Hospitals and Clinics and ASHRAE 90.1 and 62 and Energy Efficient design.

B2B Hotel Project, Abu Dhabi assisted in the design of Plumbing system

Al-Zahra Hospital, Sharjah assisted in the design of the Plumbing system

Al Zuwaiza Township, Sharjah assisted in the design of the Plumbing system

St.Loyola School, Toronto assisted in the finalizing the HVAC, Plumbing and Fire Protection drawings

St. Francis Xavier Elementary School, Brampton assisted in finalising the HVAC drawings

Waterloo School of Optometry, Waterloo assisted in finalizing the HVAC and Plumbing drawings

St. Marcellinus Secondary School, Toronto assisted in finalizing the HVAC and Plumbing drawings

Courtney Park Branch Library, Toronto assisted in the finalizing the HVAC, Plumbing and Fire Protection drawings

Moon-Matz Consulting Engineers Limited, Mississauga, Ontario

Designed HVAC & Plumbing systems, prepared specifications, writing sequence of operation and prepared status technical report of projects, Load calculations, Equipment Selections, Site Assessment measurements of Mechanical Systems. Following is the list of projects carried out.

Chingacousy Park Power Services Upgrades, Brampton:

HVAC and Plumbing Systems design and installation.

Vera M Davis Centre Nursing Homes, 80, Allan drive, Bolton:

Evaluation of Existing Heating, Cooling and Make up Air Systems with detail designing including new units for Kitchen Hood System and Toilet Exhaust System.

Town Hall, Town of Oakville:

HVAC Performance Review and Upgrade, Report on IT Department design(Computer Data Centre), Replacement of Make-up Air Unit, Load simulations and verification as per the latest trends in IT rooms' design.

Stephan Lea Cock Community Centre-2520, Birch mount Road, Scarborough:

Review of the Mechanical Condition assessment, findings and prepared report of the existing HVAC equipments, supported with the HVAC load simulation in order to propose improvements/upgrades and recommendations with cost effective solutions.

Ourland and Sedgebrook Pools, Etobicoke:

Replacement of pool pumps, filtration system, chemical treatment, Boiler, Controls including old pipelines of water supply, drainage and electrical panel.

Meadowvale 4 Ice Rinks, Mississauga:

Redesign, Upgrade, replacement of existing HVAC units viz MAU, Heaters, Fans complete with gas piping. Rebalancing existing Kitchen Hood system.

St-Thomas More School-2216, Lawrence Avenue East, Scarborough:

Boiler heating system condition assessment upgrading oil fired burners and boilers to gas fired types. Chingacousy Park Power Services Upgrades, Brampton

St-Thomas More School-2216, Lawrence Avenue East, Scarborough:

Boiler heating system condition assessment upgrading oil fired burners and boilers to gas fired types.

Kingston-Nordex Mall at Kingston, Ontario

Various Toronto District School Board projects

Various Police/Fire/Ambulance facilities including offices/administration buildings including CO/NO2 detector systems, in Toronto

City of Toronto projects: One project was on Replacement of Dust Collector Equipment and ductwork with upgrades

Hilal and Partners, Architects, Designers and Town Planners UAE

Complete design, Site supervision & Management of all Mechanical Systems including Controls commissioning & executing maintenance contract. International and national projects are listed.

Intercontinental Hotel-refurbishing suites Abu Dhabi

Canadian Chancery Abu Dhabi

Intercontinental Hotel-renovation and extension Abu Dhabi Electromechanical systems were replaced in phases

The New Health Club-Intercontinental Hotel, Abu Dhabi consisted of whirlpools, sauna, gym, spectator stand for squash courts, wash rooms, swimming pools, changing rooms, lockers.

H.E.Sheikh Mohammed Bin Butti Palaces complex Abu Dhabi consisting of Meeting rooms, Guest rooms, Kitchens, Mosque, Staff quarters, Watch room, Grand Entrance, irrigation in an area of 5 SQKM

12-Buildings for Crown Prince Department Groups-A & B 18 storey buildings

Al Masaood Office Building consisted of 125000 SQM area 25 stories all offices, 2 Penthouses, 3 Basements for underground parking and 2 mechanical room floors, Ground and Mezzanine floors for Nissan car showroom and Helipad on roof. 400x5 TR chillers

Choiefat School Complex, Beirut

Renovation of Hotel, Capracino, Italy

Renovation of building into Hotel, Montreal, Canada

Helal and Partner's Office Building, Abu Dhabi

Al Wahda Sports Stadium Administration Offices & Club & Residential Buildings

Rehabilitation Centre, Dubai

Centre for Disabled, Dubai

Nissan Showroom, Mussaffa

Toyota Showroom, Mussaffa

Lebanese Embassy, Abu Dhabi

H.E. Sh.Khalifa Bin Shkbout Al Nahyan Villas Abu Dhabi

Heirs of Late Mr. Soud Arar Al Dhahiri Building 100000 SQM area 25 stories, 1-4 BD apartments, Penthouse, Basement, Ground and 2 floors of offices in Mezzanine. 300 x 5 TR of chillers

Moosa Industrial Electro-mechanical Contracting Company UAE

Staff & Site supervision, Preparing shop drawings. Installation, Coordination, Commissioning of HVAC, Plumbing and Fire Protection system, Reporting, Meeting deadlines of work, Maintenance and hand over of project to the client. Management of the projects & stakeholders involved in the project

Beniyas Tower 25 stories, 2BR and 3 BR condominiums with 2 level Penthouses

Al-Wahda Sports Stadium consisting of bowling alley, basketball courts, tennis courts, spectator stand, auditorium, cafeteria and videogames.

Abu Dhabi Automatic Slaughter House consisted of several cold store rooms, refrigeration plan run on ammonia and glycol

4 Private Villas for Sheikh Zayed Al Nahyan Abu Dhabi, UAE

Abu Dhabi Prison Complex having 4 SQKM area having several prison rooms, large kitchen and laundry, computer centre, ladies prison, washrooms, workshop, visitor's hall, hostel for police, offices, and cold rooms, watch towers

Several Schools and Mosques, under maintenance contract, Abu Dhabi

Abu Dhabi Main Bus Terminal, under maintenance contract, Abu Dhabi