

Victoria Park Elementary School, Toronto, Ontario



LOCATION : 145 Tiago Avenue, Toronto, Ontario

OWNER : Toronto District School Board
TDSB.

TEAM MEMBERS : **Mechanical Consultant**
Mr. Imran Majeed
Advanced Buildings Solutions Inc.

Electrical Consultants
Suri & Associates Ltd.



MECHANICAL ENGINEERING SERVICES:

Mr. Majeed was engaged to provide following services:

- Mechanical - Roof top unit Assessment
- Site review
- Concept Studies & Design Development
- Preparation of Construction Documents
- Estimating Construction Cost
- Cost Control & Value Analysis throughout the Design Process
- General Administration & Design Coordination throughout the work

PROJECT DESCRIPTION: The project includes upgrade existing roof top units, exhaust fans, ductwork, piping, electrical upgrades in support of mechanical upgrades and services.

Existing System:

The building has minimal rooftop equipment detailed as follows:

1. There are two exhaust fans on the roof. One of the exhaust fan serve Girls Washroom and second serve Boys Washroom. No equipment details label could be found on it except TDSB #10024624 and TDSB #10024359 reference number on the fans housing. The fans are old and show signs of rust.
2. The gymnasium is served by 5000 cfm rooftop gas fired heating ventilation unit of Enmar make. The unit appears in fair condition.
3. Administrative Office is served by rooftop 3.0 ton air-conditioning system of Trane make. The unit was installed in 1997 and appears in good condition.
4. Kindergarten Classroom is served by rooftop 4.0 ton air-conditioning system of York make. The unit was installed in 1994 and appears in fair condition.

Recommendations:

Based on our findings only replacement of two of the older exhaust fan, gymnasium heating ventilation fan and kindergarten classroom rooftop air-conditioning is recommended due to the age of equipment and signs of rust showing up on the housing of some of the equipment.

