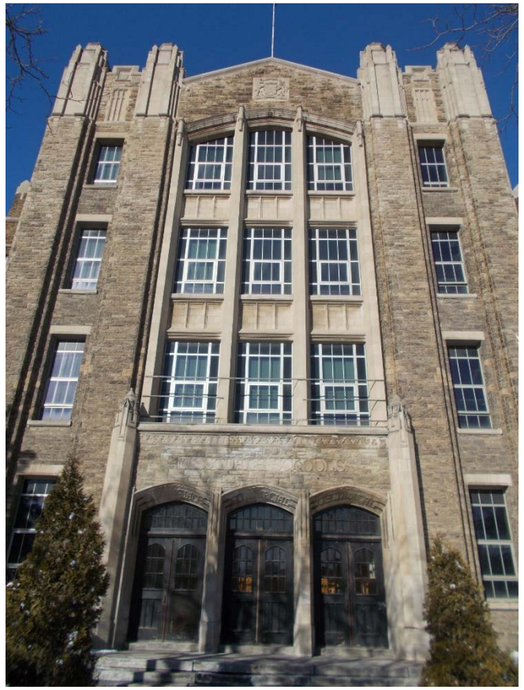

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

FEASIBILITY STUDY and CONCEPT DESIGN

Westdale Secondary School

700 Main St. W, Hamilton, ON

November 2015

HOSSACK
& ASSOCIATES
ARCHITECTS

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WESTDALE SECONDARY SCHOOL

SECTION 1 - EXECUTIVE SUMMARY

1.1 PURPOSE

The purpose of this study is to provide information and recommendations for subsequent decisions of the School Board related to the first phase of the Hamilton-Wentworth District School Board (HWDSB) Secondary School Revitalization Program.

Over the next five years, HWDSB intends on **revitalizing** and **modernizing** the majority of its existing Secondary Schools.

The following areas have been examined for consideration of renovations and upgrades:

Instructional Spaces

- Science Labs & Prep Rooms
- Technological Shops
- Specialized Support Program Space
- Library
- Cafeteria

Operational Areas

- Operation Areas
- Administration Offices
- Student Services
- Staff Lounge and Work Areas
- Washrooms

1.2 METHODOLOGY

The study included a comprehensive review of the facilities in relation to enrolment, projected enrolment, educational adequacy and facilities adequacy. The design team included a team of experienced school architects and engineers lead by Hossack & Associates Architects and exp. The review focused on the ability of the facilities to provide a comprehensive modern educational experience for its students and the ability of the facility to provide a safe, comfortable and effective learning environment.

HWDSB's vision for its ***Secondary Program Strategy*** *(June 2013)* was also reviewed and considered during the study for programming requirements based on the Tier 1 *(all schools – all students),* Tier 2 *(some schools – some students)* and Tier 3 *(few schools – few students)* programs identified within the 13 HWDSB secondary schools.

The Tier 3 programs and specialized interventions/supports are of particular interest in this study as they generally require specialized facilities, equipment or enhancements to the facilities in order to adequately support the program needs. Tier 3 programs are offered in a few school located strategically across the HWDSB, where transportation would be provided to students to a larger geographic area according to Board policy.

Tier 3 Programs identified in the Secondary Program Strategy at Westdale Secondary School:

- *ESL/ELD*
- *French Immersion*
- *International Baccalaureate (IB)*
- *Arts & Culture: Arts*
- *Construction*

Tier 3 Interventions and/or Supports identified at Westdale Secondary School:

- *ALPHA*
- *Graduated Support Program*

English as a Second Language/English Literacy Development (ESL/ELD)
The purpose of high school ESL/ELD credit courses is to provide students with the language learning opportunity to assist them to develop the level of proficiency in English required for success at school, the community, post-secondary education and the workplace.

French Immersion
A continuation of the elementary French Immersion program, leading to a Certificat D'immersion.

International Baccalaureate (IB)
The International Baccalaureate (IB) Diploma Programme is a pre-university course of study, offered during the last two years of secondary school.

Arts & Culture: Arts
Students have the opportunity to pursue creative practices using a wide variety of both traditional and modern artistic methods in the field of visual arts. This is an open and flexible program that encourages students to develop as creative designers and artists.

Construction
This program provides students with the opportunity to experience the many skills and trades available in the home building industry. Student earn credits in senior construction technology through in class and co-operative education model on a building site in the city.

ALPHA
An accelerated program for students aged 14-18 who have recently arrived in Ontario school with limited prior schooling. The program is intended to provide programming support so that students make significant gains in English language development literacy and numeracy skills as well as academic skills and knowledge. The goal is for the students to be successfully integrated into the mainstream program.

Graduate Support Program
This program provides specific support for students including integration in the school and community, appropriate to the student's strength. Although the students may not be earning credits, students in this program have the ability to achieve a level of independence in the community upon graduation.

1.3 OVERVIEW

Westdale Secondary School was constructed in 1930 with renovations in 1959 and 1975 and is located at 700 Main Street West in the centre of Hamilton. The school currently serves approximately 1,579 students. The forecasted enrolment projection for the year 2022 is approximately 1,455 students.

Several assumptions have been made in the program analysis and cost estimates as part of the development of this study. The analysis is based on the average costs for the different types of demolition and construction activities proposed. Both the program and the cost estimates will need to be refined during the schematic design phase as the project proceeds into design.

1.4 PROPOSED CONCEPT DESIGN

In this study renovations are proposed to provide the school with updated facilities for its Tier 3 programing to serve the community and the students, as well as address facility needs for the programming outlined in the Boards Secondary Program Strategy.

Additional renovations are proposed to help the school better meet the current Ministry of Education standards with regards to space requirements.

Proposed renovations to the school includes renovations for the following new programs:

- Hospitality
- Graduate Support Program
- Engineering, Robotics and Integrated Technologies
- Communications Arts

The following existing program spaces are proposed to be renovated:

- Automotive Shop
- Special Needs Workshop
- Science Labs and support spaces
- Construction Shops

Renovations of the following Support Spaces are also proposed:

- Library
- Main Office
- Staff lounge
- Washrooms

SECTION 2 - EXISTING CONDITIONS ASSESSMENT

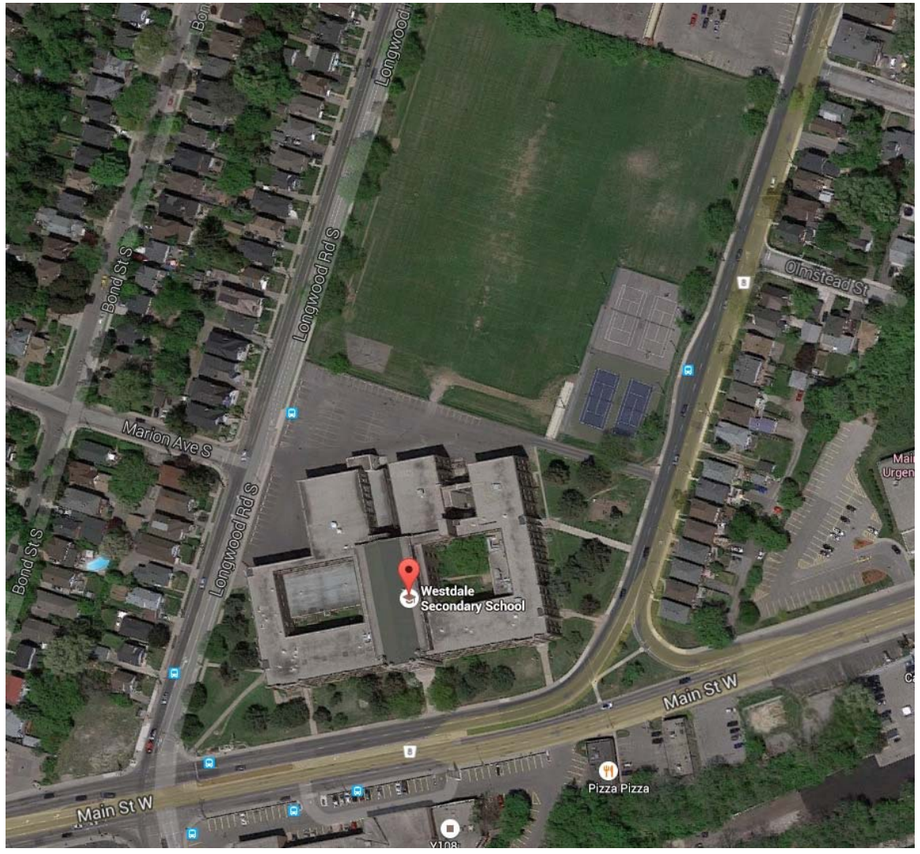
Image 1 – School Main Entry

2.1 INTRODUCTION

Westdale Secondary School was constructed in 1930 and had subsequent major renovations in 1959, 1975 and 2001 as well as a few minor renovations throughout the years. The building is 22,242m^2 (239,410 ft^2) with four floors above grade and a basement. The building is configured around a main auditorium with two square corridors on either side surrounding outdoor courtyards.

2.2 SITE ASSESSMENT

Image 2 – Aerial Photo



Site Background

The Site is located on Main Street West in Hamilton. The site is surround on three sides by streets. On the West side of the property is Longwood Rd. S and on the east side of the property is a one-way street Paradise Rd. S. The site is 5 hectares in area. The school is located on the south side of the property. The playfield is located on the north portion of the property and the parking area is between the school and playfield.

Accessibility

Accessible parking is provided in the parking lot near an entrance to the building. The main entrance and the existing parking lot entrance do not meet accessibility requirements and therefore a new accessible entrance vestibule complete with an accessible ramp, is proposed at the rear of the building adjacent the parking lot.

Parking & Service

The parking lot is located behind the school away from Main St. Access to the Parking lot is off Longwood Road South and exits on to Paradise Road South. Accessible parking is provided and clearly marked. There is a service loading area provided at the back of the building. The existing parking lot asphalt paving is in poor condition and requires replacement with new pavement markings.

Pedestrian & Vehicle Circulation

Pedestrian access to the school is provided from the three surrounding streets, Main St. W., Longwood Rd. S., and Paradise Rd. S with concrete sidewalks. The existing concrete sidewalks are in poor condition with cracking and require replacement. The vehicular circulation though the parking lot is one-way from Longwood Rd. S, exiting on to Paradise Rd. S.

Athletic Fields

The site has one large open grass multipurpose playfield with two (2) goal posts. Four fenced in tennis courts are adjacent to the playfield.

2.3 BUILDING CONDITION

An "*Existing Conditions Report*" was completed by VFA Inc. for the Hamilton-Wentworth District School Board in 2013. This document is included in the appendices for reference. Some information is noted in the summaries below*.

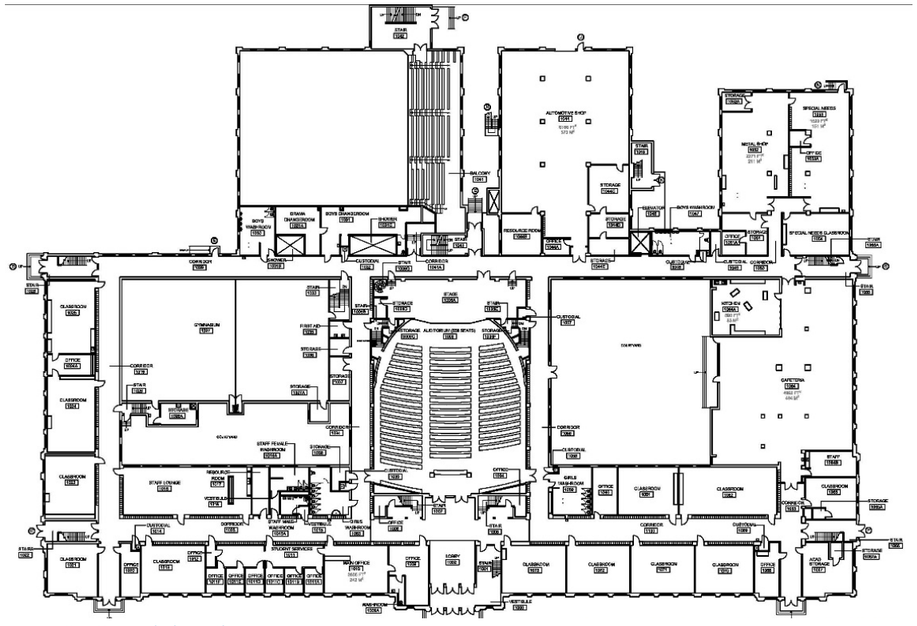


Image 3 – Ground Floor Plan

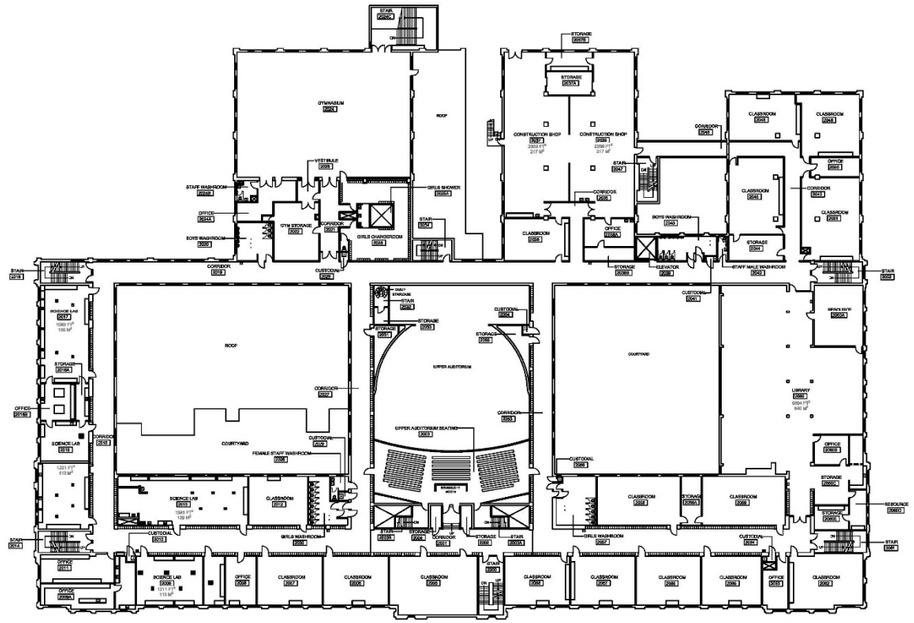


Image 4 – Second Floor Plan

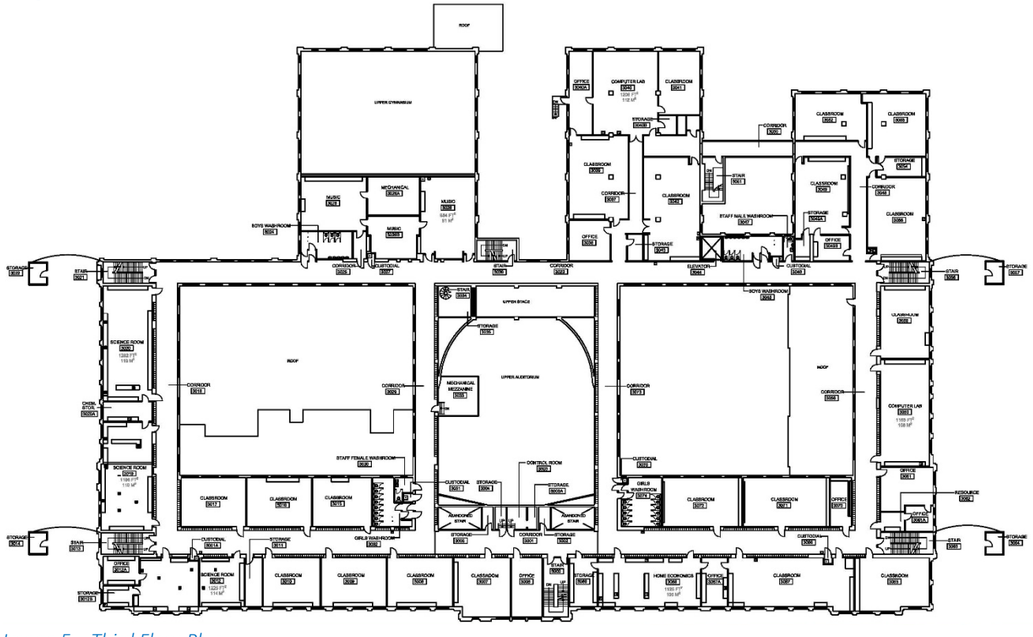


Image 5 – Third Floor Plan

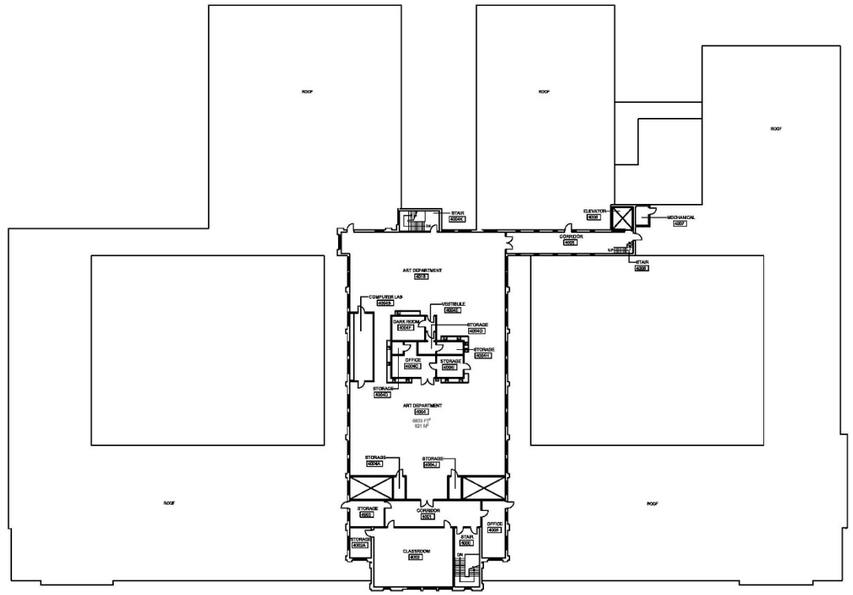


Image 6 – Fourth Floor Plan

2.3.1 Exterior Building Envelope

- Roof
  The existing flat roofing is on metal roof decking on steel trusses. The majority of the roof was resurfaced in 2008*.

- Exterior Walls
  The building envelope consists of brick veneer and stone veneer on load bearing CMU masonry walls*. The E*xisting Conditions Report* notes that the exterior masonry is in fair condition but is showing signs of spalling brick and deteriorating mortar.*

- Exterior Doors and Windows
  The existing exterior doors appear to be the originals and are showing signs of damage, worn finishes, damaged frames and deteriorated seals and have single pane lites. It is recommended in the E*xisting Conditions Report* that these doors are a priority to be replaced*.

  The existing windows were replaced in 2001 per as-built drawings.

2.3.2 Interiors

- Floor Finishes
  The existing floor finishes consist of terrazzo, mainly vinyl composite tiles, ceramic tiles, hard wood flooring and carpet. The E*xisting Conditions Report* notes that most of the floor finishes are in fair condition but that they are showing signs of wear and should eventually be replaced*.

- Interior walls
  The existing interior walls are a mixture of glazed and painted masonry and painted gypsum board. The *Existing Conditions Report* notes that the walls are showing signs of wear and peeling and recommend re-painting in some areas.*

- Ceilings
  The existing ceilings consist of acoustic ceiling tiles and painted gypsum board. The *Existing Conditions Report* notes that the ceilings are all showing sign of age as well as areas with stains from past roof leaks.* The report recommends that the ceiling be replaced in some areas as required.*

- Interior Doors and Hardware
  The existing doors are a combination of hollow metal doors with paint finish and wood doors with a natural or paint finish and typically have a glazed lite in them.* The *Existing Conditions Report* notes that the doors have past their life span and show signs of damage and recommend that the doors as well as all the hardware be replaced.*

2.4 BUILDING CODE ANALYSIS

The existing school is not sprinklered. A renovation would require a thorough review of the building under Part II of the Ontario Building Code (OBC) as a Basic Renovation.

The Existing school has a total of 7 stairwells serving the ground floor up to the third floor providing adequate exit capacity for the occupant loads. The fourth floor is served by 2 stairwells which is sufficient for the occupant load of this floor.

2.5 BUILDING ACCESSIBILITY

The building has a total of nine (9) entrances; with inadequate ramps at two entrances. The existing ramps at the parking lot and south-east entrance do not comply with OBC requirements. The OBC requires that a minimum of 50% of the entrances be accessible. New entrances and ramps are proposed at the main entrance, parking lot entrance and the south-east entrance.

An existing elevator is provided in the school for access to all five floors.

2.6 STRUCTURAL ANALYSIS

The existing building structure consists of CMU masonry load bearing walls, concrete on steel deck floors, steel duct roof with steel trusses and joists.*

SECTION 3 – CONCEPT PLANS

3.1 INTRODUCTION

The proposed renovations of Westdale Secondary School were determined based on numerous different factors. The proposed concept plans are the result of consideration of the following:

- HWDSB Secondary Program Strategy
- HWDSB Tier 3 Programs & Specialist High Skills Major Programs (including Appendices)
- Ministry of Education Space Template (recommendations)
- Hamilton-Wentworth District School Board - Design Manual Guidelines (draft)
- Existing and Projected student enrollment
- Conditions Assessment Report (by VFA Inc., 2013)

It was determined that Westdale Secondary School has an excess of Large Technical Labs and is lacking in Small Technical Labs and general instructional spaces (classrooms) in relation to its current and projected Full Time Enrollment (FTE).

Current FTE = **1,579** pupil places *(projected enrolment = 1,684 pupil places)*
Edu Space Template pupil places (based on existing building) = 1,419 pupil places
Approx. (160 pupil places / 21) 8 classrooms deficit

Projected Full Time Enrollment (FTE)	**1,684** pupil places
Number of pupils existing building can support (based on 21 pupils per classroom)	**1,419** pupil places
Deficient Instructional Space in school for approx.	deficient 265 pupil places
Based on Edu loading of 21 students per classroom, school is approx.	deficient 13 classrooms

3.2 PHASING

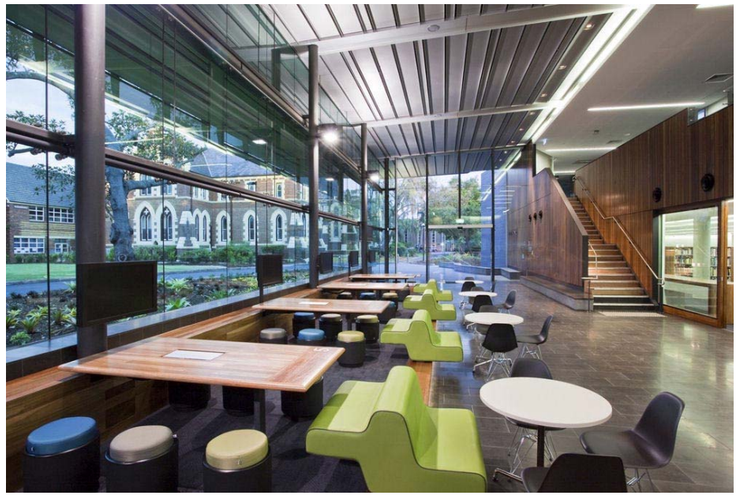
Renovations may take place in several phases to reduce disruption to occupied building during the school year.

Phases could occur as follows:
Phase 1 – (Summer 1 and fall as required). Renovations to **Instructional Spaces** directly related to academic programs
Phase 2 – (Summer 2) **Cafeteria** and **Library**
Phase 3 – (Summer 3) **Non-instructional Spaces** and **Washrooms**
Phase 4 – (Summer 4) Additional work per ***Existing Conditions Assessment Report*** *(refer to Appendix D)*.

The first three phases identified above relate to the colour coding on the proposed floor plans herein.

3.3 COMMUNAL SPACES

The school revitalization mandate is to create more communal student spaces, such as a 'Student Forum' or 'Student Lounge', in addition to updating existing common spaces such as the Learning Commons (Library) and Cafeteria areas. These areas are to be modernized with various forms of furnishings as well as the sufficient provision of power for devices to support project based group work and 21st Century Learning environments.



School Board: Sample District School Board
Grade Range: Grade 9 to 12
Program: English, French or Dual Track
School Name: **Sample School**

Table 18: Secondary Model Program Sheet			
Expected Enrolment:			1,419
Credit Assumptions	**%**	**Credits**	**Classes**
			63
Regular	51	5,428	36
Science	15	1,596	10
Arts	10	1,064	6
Business	5	532	3
Technology	10	1,064	6
Family Studies	3	319	2
Physical Education	6	639	

School Board: HWDSB
Grade Range: 9 to 12
Program:
School Name: **Westdale Secondary - Existing**

Current FTE 1579
FTE Projections 1684

Proposed Pupil Places **1,419**

School Board: HWDSB
Grade Range: 9 to 12
Program:
School Name: **Westdale Secondary - Proposed**

Current FTE 1579
FTE Projections 1684

Proposed Pupil Places **1,605**

3.4 MINISTRY OF EDUCATION – Space Template Analysis

The following chart compares the Ministry of Education Space Template recommendations with the existing school and the proposed School upon renovation completion. This comparison illustrates areas where the existing school may have in excess or may be deficient in space and how it has been resolved.

Instructional Spaces	#	Size m²	Size ft²	Floor Area m²	Floor Area ft²	Load	OTG
Classroom	36	70	750	2,508	27,000	21	756
Science Laboratories	**10**	**116**	**1,250**	**1,161**	**12,500**	**21**	**210**
Science General (Avg Size)		-		-	-	21	
Science Biology (Avg Size)		-		-	-	21	
Science Chemistry (Avg Size)		-		-	-	21	
Science Physics (Avg Size)		-		-	-	21	
Total Music / Arts	**6**			**678**	**7,300**		**126**
Music Instrumental/Vocal	2	129	1,390	258	2,780	21	42
Graphics/Visual Arts	4	105	1,130	420	4,520	21	84
Theatre Arts		-		-	-	21	-
Photography		-		-	-	21	-
Media Arts		-		-	-	21	-
Technical / Vocational	**11**			**1,544**	**16,620**		**231**
Business/Computer Room	3	97	1,040	290	3,120	21	63
Family Studies	*2*	*114*	*1,230*	*229*	*2,460*		*42*
Family Studies (Food)		-		-	-	21	-
Family Studies (Textiles/Fasion)		-		-	-	21	-
Family Studies (Nutrition)		-		-	-	21	-
Technology Lab Large	*2*	*232*	*2,500*	*465*	*5,000*		*42*
Transportation		-		-	-	21	
Construction		-		-	-	21	
Design/Drafting		-		-	-	21	
Manufacturing		-		-	-	21	
Green Industries		-		-	-	21	
Welding		-		-	-	21	
Wood		-		-	-	21	
Integrated		-		-	-	21	
Technology Lab Small	*4*	*140*	*1,510*	*561*	*6,040*		*84*
Communications		-		-	-	21	
Computer Engineering		-		-	-	21	
Computer Laboratory		-		-	-	21	
Cosmetology		-		-	-	21	
Health Sciences		-		-	-	21	
Special Education / Resource Room				**527**	**5,676**		**-**
Special Education Area		-		-	-	9	-
Resource Area - Loaded (400-699 sf)		-		-	-	12	-
Resource Area - Unloaded (<400 sf)		-	-	-	-		
Instructional Area Flexibility		-		527	5,676		
Other Spaces				**1,326**	**14,271**		**-**
Stage		139	1,500	139	1,500		
Library/Library Resource Centre		527	5,676	527	5,676		
Cafetorium/Cafeteria		659	7,095	659	7,095		
Lecture		-	-	-	-	21	-
Seminar		-	-	-	-		
Chapel		-	-	-	-		
Gymnasium and Exercise Room				**1,511**	**16,260**		**42**
Gymnasium Area - Quadruple		1,486	16,000	-	-	63	
Gymnasium Area - Triple	1	1,115	12,000	1,115	12,000	42	42
Gymnasium Area - Double	-	743	8,000	-	-	21	-
Gymnasium Area - Single	-	372	4,000	-	-		
Dance/Aerobics Studio		-		-	-		
Exercise Room		-		-	-		
Weight Room		-		-	-		
Change Rooms	4	64	690	256	2,760		
Gymnasium and Exercise Room		-		139	1,500		
Total GFA and OTG of Instructional Area				9,256	99,627		1,365

Operational Areas	Per Pupil m²	Per Pupil ft²	Floor Area m²	Floor Area ft²
General Office	0.2	2.3	303	3,264
Guidance Area	0.1	1.3	171	1,845
Cooperative Education Office			26	280
Staff Lounge			-	
Kitchen/Servery	0.1	1.1	145	1,561
Custodial Areas	0.2	1.7	224	2,412
Staff Room and Teacher Work Rooms	0.3	3.5	461	4,967
Meeting Room			28	300
Academic Storage	0.1	1.0	132	1,419
Washrooms	0.3	3.2	422	4,541
Gymnasium Storage			74	800
Mechanical Spaces	0.5	5.8	761	8,188
Total Operational Area			2,748	29,576
Total Instructional (from above)			9,256	99,627
Total Operational and Instructional			12,003	129,203
Gross Up Added		42%	5,041	54,265
Gross Floor Area			17,045	183,468
Area per Pupil for 1419 pupils:			12.01	129.3

Instructional Spaces	#	Size m²	Size ft²	Floor Area m²	Floor Area ft²	Load	OTG	Area deficiency or excess ft²	# of deficiency or excess rooms
Classroom	44	67	720	2,943	31,680	21	924	(30)	8
Science Laboratories	**7**			**774**	**8,330**		**147**		(3)
Science General (Avg Size)	7	111	1,190	774	8,330	21	147	(60)	
Science Biology (Avg Size)		-		-	-	21	-		
Science Chemistry (Avg Size)		-		-	-	21	-		
Science Physics (Avg Size)		-		-	-	21	-		
Total Music / Arts	**4**			**799**	**8,600**		**84**		(2)
Music Instrumental/Vocal	2	93	1,000	186	2,000	21	42	(390)	
Graphics/Visual Arts	2	307	3,300	613	6,600	21	42	2170	
Theatre Arts		-		-	-	21	-		
Photography		-		-	-	21	-		
Media Arts		-		-	-	21	-		
Technical / Vocational	**8**			**1,699**	**18,283**		**156**		
Business/Computer Room	2	112	1,207	224	2,414	21	42	167	(1)
Family Studies	*1*			*105*	*1,125*		*21*		(1)
Family Studies (Food)	1	105	1,125	105	1,125	21	21	(105)	
Family Studies (Textiles/Fasion)		-		-	-	21	-		
Family Studies (Nutrition)		-		-	-	21	-		
Technology Lab Large	*5*			*1,370*	*14,744*		*93*		3
Transportation	1	573	6,166	573	6,166	21	21	3666	
Construction	2	217	2,339	435	4,678	21	42	(161)	
Design/Drafting		-		-	-	21	-		
Manufacturing		-		-	-	21	-		
Green Industries		-		-	-	21	-		
Welding	1	211	2,271	211	2,271	21	21	(229)	
Wood **Special Needs**	1	151	1,629	151	1,629	9	9		
Integrated		-		-	-	21	-	(2500)	
Technology Lab Small	-			-	-		-		(4)
Communications		-		-	-	21	-		
Computer Engineering		-		-	-	21	-		
Computer Laboratory		-		-	-	21	-		
Cosmetology		-		-	-	21	-		
Health Sciences		-		-	-	21	-		
Special Education / Resource Room	**5**			**283**	**3,044**		**45**		
Special Education Area	1	61	661	61	661	9	9		
Resource Area - Loaded (400-699 sf)	3	62	666	186	1,998	12	36		
Resource Area - Unloaded (<400 sf)	1	36	385	36	385		-		
Instructional Area Flexibility									
Other Spaces	**4**			**1,227**	**13,212**		**21**		
Stage	1	123	1,326	123	1,326		-		
Library/Library Resource Centre	1	640	6,894	640	6,894		-	1218	
Cafetorium/Cafeteria	1	464	4,992	464	4,992		-	(2103)	
Lecture	1	-		-	-	21	21		
Seminar		-		-	-		-		
Chapel		-		-	-		-		
Gymnasium and Exercise Room	**3**			**373**	**4,010**		**42**		
Gymnasium Area - Quadruple		-		-	-	63			
Gymnasium Area - Triple	1	-		-	-	42	42		
Gymnasium Area - Double		-		-	-	21	-		
Gymnasium Area - Single		-		-	-		-		
Dance/Aerobics Studio		-		-	-		-		
Exercise Room	1	147	1,582	147	1,582		-		
Weight Room		-		-	-		-		
Change Rooms	1	226	2,428	226	2,428		-		
Total GFA and OTG of Instructional Area				8,097	87,159		1,419		

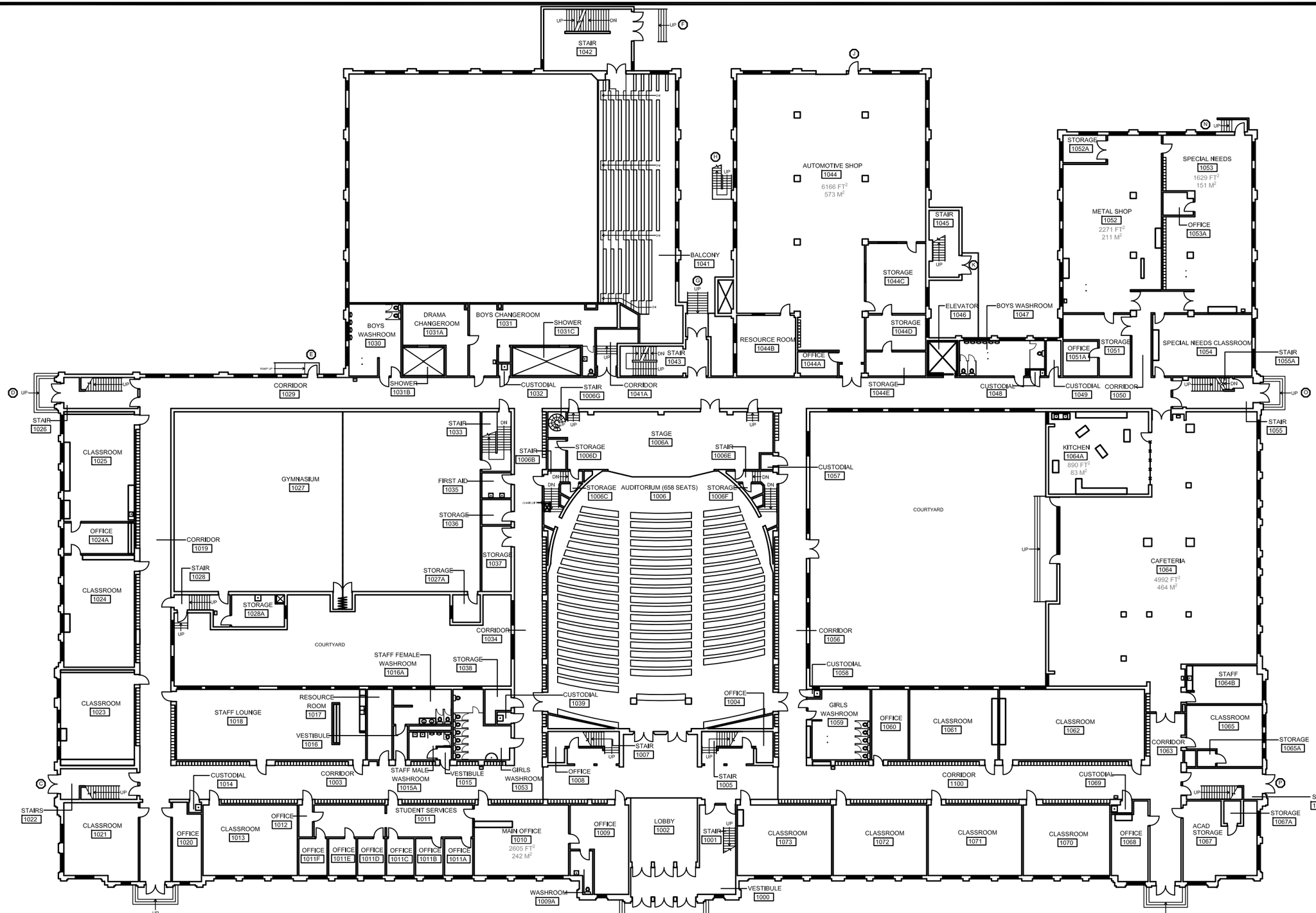
Operational Areas	Per Pupil m²	Per Pupil ft²	Floor Area m²	Floor Area ft²	
General Office			118	1,270	(1994)
Guidance Area			123	1,324	(521)
Cooperative Education Office			-		
Staff Lounge			134	1,441	
Kitchen/Servery			-		
Custodial Areas			-		
Staff Room and Teacher Work Rooms			-		
Meeting Room			-		
Academic Storage			-		
Washrooms			-		
Gymnasium Storage			-		
Mechanical Spaces			-		
Total Operational Area			375	4,035	14%
Total Instructional (from above)			8,097	87,159	87%
Total Operational and Instructional			8,472	91,194	71%
Gross Up Added			-	-	
Gross Floor Area			8,472	91,194	50%
Area per Pupil			5.97	64.3	50%

Instructional Spaces	#	Size m²	Size ft²	Floor Area m²	Floor Area ft²	Load	OTG	Area deficiency or excess ft²	# of deficiency or excess rooms
Classroom	51	67	720	3,411	36,720	21	1,071	(30)	15
Science Laboratories	**8**			**954**	**10,272**		**168**		(2)
Science General (Avg Size)	8	119	1,284	954	10,272	21	168	34	
Science Biology (Avg Size)		-		-	-	21	-		
Science Chemistry (Avg Size)		-		-	-	21	-		
Science Physics (Avg Size)		-		-	-	21	-		
Total Music / Arts	**4**			**799**	**8,600**		**84**		(2)
Music Instrumental/Vocal	2	93	1,000	186	2,000	21	42	(390)	
Graphics/Visual Arts	2	307	3,300	613	6,600	21	42	2170	
Theatre Arts		-		-	-	21	-		
Photography		-		-	-	21	-		
Media Arts		-		-	-	21	-		
Technical / Vocational	**9**			**1,397**	**15,032**		**177**		
Business/Computer Room	2	112	1,207	224	2,414	21	42	167	(1)
Family Studies	*1*			*105*	*1,125*		*21*		(1)
Family Studies (Food)	1	105	1,125	105	1,125	21	21	(105)	
Family Studies (Textiles/Fasion)		-		-	-	21	-		
Family Studies (Nutrition)		-		-	-	21	-		
Technology Lab Large	*4*			*854*	*9,193*		*72*		2
Transportation	1	318	3,425	318	3,425	21	21		
Construction	1	214	2,300	214	2,300	21	21		
Design/Drafting		-		-	-	21	-		
Manufacturing		-		-	-	21	-		
Green Industries		-		-	-	21	-		
Welding		-		-	-	21	-		
Wood **Special Needs**	1	151	1,630	151	1,630	9	9		
Integrated **& Engineering**	1	171	1,838	171	1,838	21	21		
Technology Lab Small	2			*214*	*2,300*		*42*		(2)
Communications **& TV Studio**	1	139	1,500	139	1,500	21	21		
Computer Engineering		-		-	-	21	-		
Computer Laboratory **CADD**	1	74	800	74	800	21	21		
Cosmetology		-		-	-	21	-		
Health Sciences		-		-	-	21	-		
Special Education / Resource Room	**5**			**420**	**4,517**		**42**		
Special Education Area **GSP**	2	130	1,400	260	2,800	9	18		
Resource Area - Loaded (400-699 sf)	2	62	666	124	1,332	12	24		
Resource Area - Unloaded (<400 sf)	1	36	385	36	385		-		
Instructional Area Flexibility									
Other Spaces	**4**			**1,227**	**13,212**		**21**		
Stage	1	123	1,326	123	1,326		-		
Library/Library Resource Centre	1	640	6,894	640	6,894		-	1218	
Cafetorium/Cafeteria	1	464	4,992	464	4,992		-	(2103)	
Lecture	1	-		-	-	21	21		
Seminar		-		-	-		-		
Chapel		-		-	-		-		
Gymnasium and Exercise Room	**3**			**373**	**4,010**		**42**		
Gymnasium Area - Quadruple		-		-	-	63	-		
Gymnasium Area - Triple	1	-		-	-	42	42		
Gymnasium Area - Double		-		-	-	21	-		
Gymnasium Area - Single		-		-	-		-		
Dance/Aerobics Studio		-		-	-		-		
Exercise Room	1	147	1,582	147	1,582		-		
Weight Room		-		-	-		-		
Change Rooms	1	226	2,428	226	2,428		-		
Total GFA and OTG of Instructional Area				8,581	92,363		1,605		

Operational Areas	Per Pupil m²	Per Pupil ft²	Floor Area m²	Floor Area ft²	
General Office			188	2,020	(1244)
Guidance Area			123	1,324	(521)
Cooperative Education Office			-		
Staff Lounge			74	800	
Kitchen/Servery			-		
Custodial Areas			-		
Staff Room and Teacher Work Rooms			-		
Meeting Room			-		
Academic Storage			-		
Washrooms			-		
Gymnasium Storage			-		
Mechanical Spaces			-		
Total Operational Area			385	4,144	14%
Total Instructional (from above)			8,581	92,363	93%
Total Operational and Instructional			8,966	96,507	75%
Gross Up Added			-	-	
Gross Floor Area			8,966	96,507	53%
Area per Pupil			5.59	60.1	47%

3.5 PLANS

The following pages illustrate the **Existing Floor Plan** and subsequent **Proposed Floor Plan** for each level of the school.



WESTDALE SECONDARY SCHOOL

EXISTING GROUND FLOOR

PROJ: 15108
SCALE: NTS
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

E1

PHASE LEGEND

PHASE 1

INSTRUCTIONAL SPACES

- RENOVATION WITH SAME PROGRAM
- RENOVATION INTO DIFFERENT PROGRAM

PHASE 2

OTHER SPACES

- RENOVATION WITH SAME PROGRAM

PHASE 3

OTHER SPACES

- RENOVATION WITH SAME PROGRAM

- EXISTING TO BE DEMOLISHED
- EXISTING TO REMAIN
- NEW WALLS
- BF — FUTURE BARRIER FREE TOILET STALL
- UTR — FUTURE UNIVERSAL TOILET ROOM

NOTE: SHADED AREA DENOTES POSSIBLE LOSS OF CLASSROOM USE BELOW DURING SCIENCE ROOM RENOVATIONS TO COMPLETE ABATEMENT AND NEW PLUMBING CONNECTIONS. WILL NEED TO BE DETERMINED IN THE FIELD.

STAIR 1042 · BALCONY 1041 · AUTOMOTIVE SHOP 1044 · ENGINEERING ROBOTICS · STORAGE · STAFF OFFICES · CORRIDOR · STAIR 1045 · ELEVATOR 1046 · BOYS WASHROOM 1047 · CUSTODIAL 1048 · CUSTODIAL 1049 · CORRIDOR 1050 · STORAGE 1052A · INTERGRATED TECH LAB · SPECIAL NEEDS WORKSHOP · SPECIAL NEEDS CLASSROOM 1054 · STAIR 1055A · STAIR 1055 · O/H DOOR

BOYS WASHROOM 1030 · BF · DRAMA CHANGEROOM 1031A · BOYS CHANGEROOM 1031 · SHOWER 1031C · NEW VESTIBULE · CORRIDOR 1029 · SHOWER 1031B · CUSTODIAL 1032 · STAIR 1043 · STAIR 1006G · CORRIDOR 1041A

STAIR 1026 · GRADUATED SUPPORT PROGRAM · SEMINAR · ORTHO WR · GRADUATED SUPPORT PROGRAM 1024 · CLASSROOM 1023 · CLASSROOM 1021 · STAIRS 1022 · NEW RAMP TO FRONT ENTRANCE

STAIR 1033 · FIRST AID 1035 · STORAGE 1036 · ACAD STORAGE 1037 · STAIR 1006B · STORAGE 1006D · STAGE 1006A · STAIR 1006E · STORAGE 1006C · AUDITORIUM (658 SEATS) 1006 · STORAGE 1006F · CUSTODIAL 1057 · CORRIDOR 1019 · GYMNASIUM 1027 · STAIR 1028 · STORAGE 1027A · STORAGE 1028A · CORRIDOR 1034 · COURTYARD

STAFF FEMALE WASHROOM 1015A · STORAGE 1038 · CLASSROOM (LEARNING RESOURCES) · STAFF LOUNGE 1018 · 930 SQ. FT. · BF · CUSTODIAL 1014 · CORRIDOR 1003 · OFFICE 1012 · STAFF MALE WASHROOM 1015A · VESTIBULE 1015 · GIRLS WASHROOM 1053 · STUDENT SERVICES 1011 · OSR 1020 · GUIDANCE · OFFICE 1011F · OFFICE 1011E · OFFICE 1011D · OFFICE 1011C · OFFICE 1011B · OFFICE 1011A · MAIN OFFICE 1010 · OFFICE 1009 · WASHROOM 1009A · REVISE LAYOUT FOR OFFICE FOR BETTER SUPERVISION TO ENTRANCE LOBBY

CUSTODIAL 1039 · OFFICE 1004 · OFFICE 1008 · STAIR 1007 · STAIR 1005 · LOBBY 1002 · STAIR 1001 · VESTIBULE 1000 · NEW RAMP TO FRONT ENTRANCE

CORRIDOR 1056 · CUSTODIAL 1058 · GIRLS WASHROOM 1059 · BF · HOSPITALITY (HOME EC.) · CAFETERIA EXPANSION · CORRIDOR 1063 · STUDENT LOUNGE · CORRIDOR 1060 · CUSTODIAL 1069 · KITCHEN 1064A · CAFETERIA 1064 · STAIR 1066 · OFFICE 1068 · CLASSROOM 1070 · CLASSROOM 1071 · CLASSROOM 1072 · CLASSROOM 1073

WESTDALE SECONDARY SCHOOL

GROUND FLOOR KEY PLAN

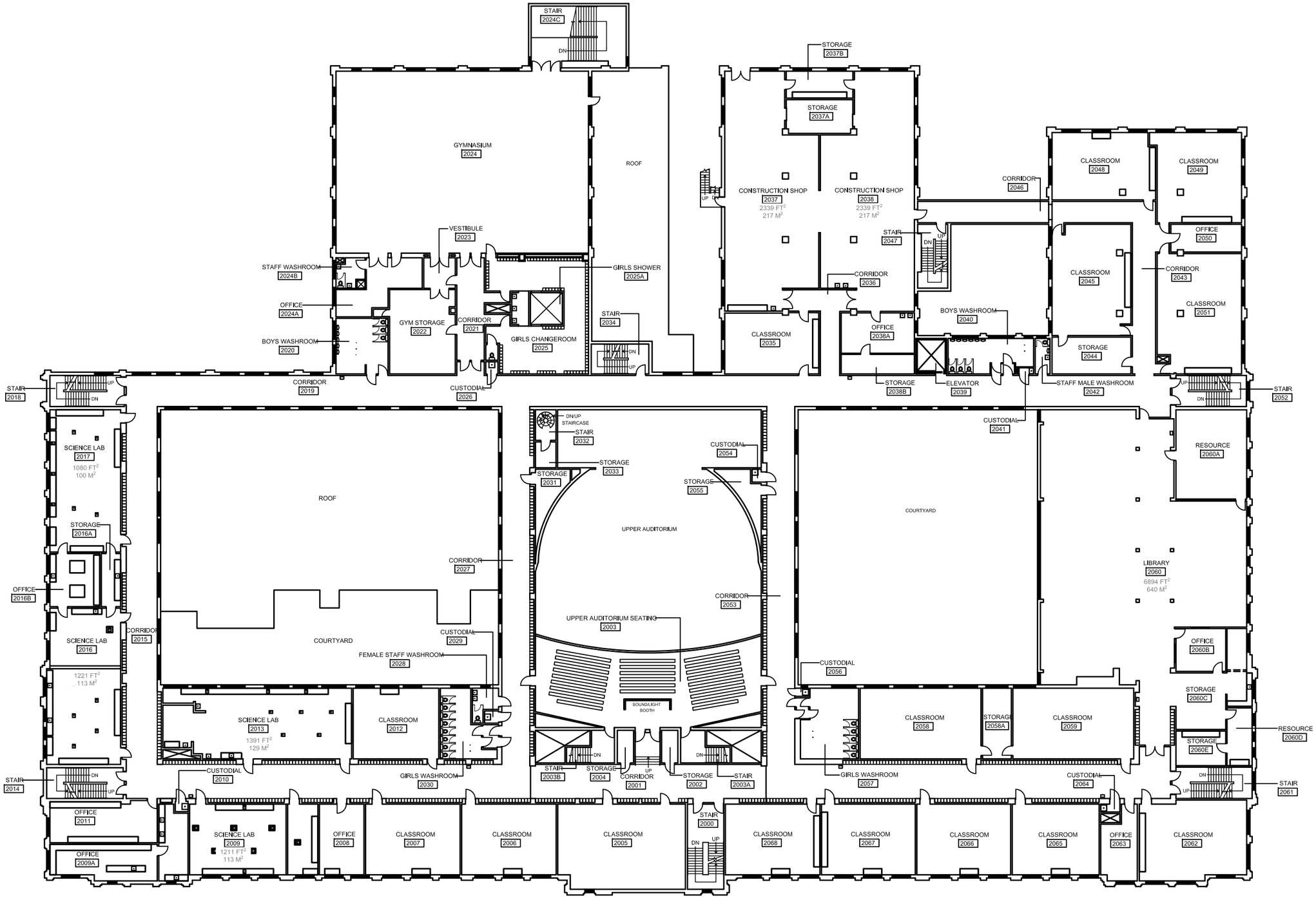
PROJ: 15108
SCALE:1/32"=1'-0"
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH · TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A1



WESTDALE SECONDARY SCHOOL

EXISTING SECOND FLOOR

PROJ: 15108
SCALE: NTS
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

E2

PHASE LEGEND

PHASE 1

INSTRUCTIONAL SPACES

- RENOVATION WITH SAME PROGRAM
- RENOVATION INTO DIFFERENT PROGRAM

PHASE 2

OTHER SPACES

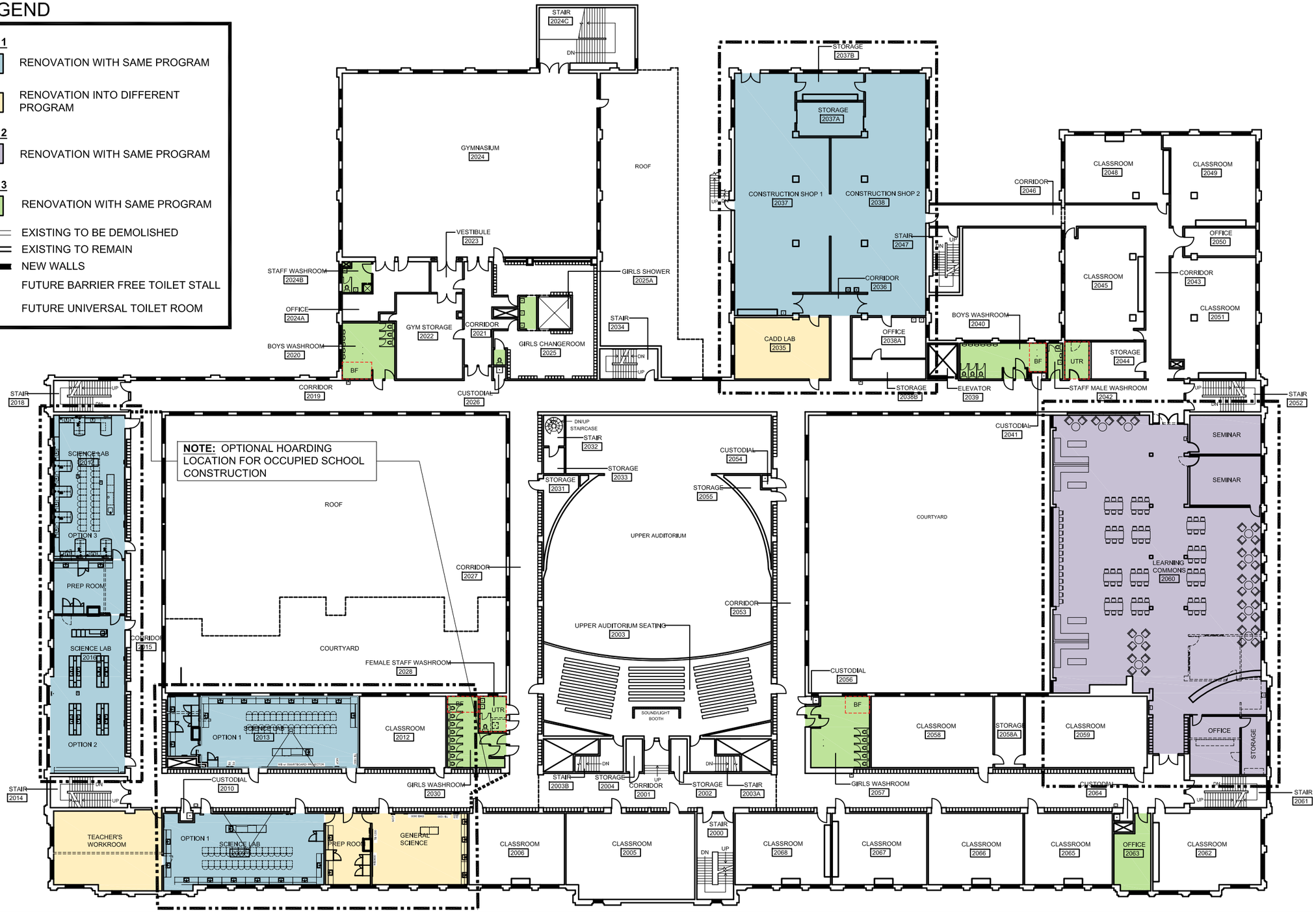
- RENOVATION WITH SAME PROGRAM

PHASE 3

OTHER SPACES

- RENOVATION WITH SAME PROGRAM

- EXISTING TO BE DEMOLISHED
- EXISTING TO REMAIN
- NEW WALLS
- BF — FUTURE BARRIER FREE TOILET STALL
- UTR — FUTURE UNIVERSAL TOILET ROOM



WESTDALE SECONDARY SCHOOL

SECOND FLOOR KEY PLAN

PROJ:	15108
SCALE:	1/32"=1'-0"
DRAWN:	SC
DATE:	15/04/08

PROJECT NORTH

TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A2

WESTDALE SECONDARY SCHOOL

EXISTING THIRD FLOOR

PROJ: 15108
SCALE: NTS
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

E3

PHASE LEGEND

PHASE 1

INSTRUCTIONAL SPACES

- RENOVATION WITH SAME PROGRAM
- RENOVATION INTO DIFFERENT PROGRAM

PHASE 2

OTHER SPACES

- RENOVATION WITH SAME PROGRAM

PHASE 3

OTHER SPACES

- RENOVATION WITH SAME PROGRAM

- EXISTING TO BE DEMOLISHED
- EXISTING TO REMAIN
- NEW WALLS
- BF — FUTURE BARRIER FREE TOILET STALL
- UTR — FUTURE UNIVERSAL TOILET ROOM

WESTDALE SECONDARY SCHOOL

THIRD FLOOR KEY PLAN

PROJ:	15108
SCALE:	1/32"=1'-0"
DRAWN:	SC
DATE:	15/04/08

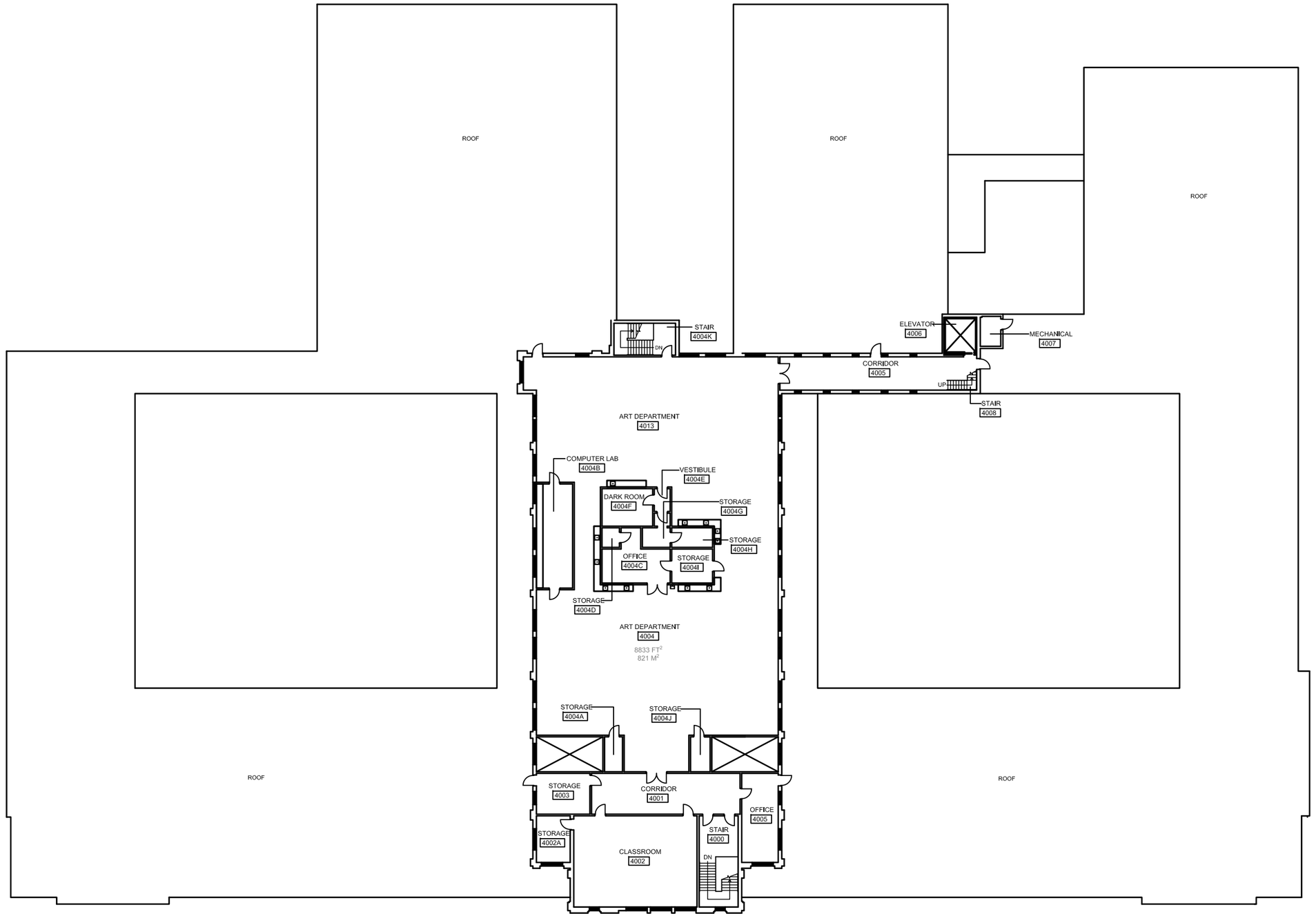
PROJECT NORTH

TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A3



WESTDALE SECONDARY SCHOOL

EXISTING FOURTH FLOOR

PROJ: 15108
SCALE: NTS
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

E4

PHASE LEGEND

PHASE 1

INSTRUCTIONAL SPACES

- RENOVATION WITH SAME PROGRAM
- RENOVATION INTO DIFFERENT PROGRAM

PHASE 2

OTHER SPACES

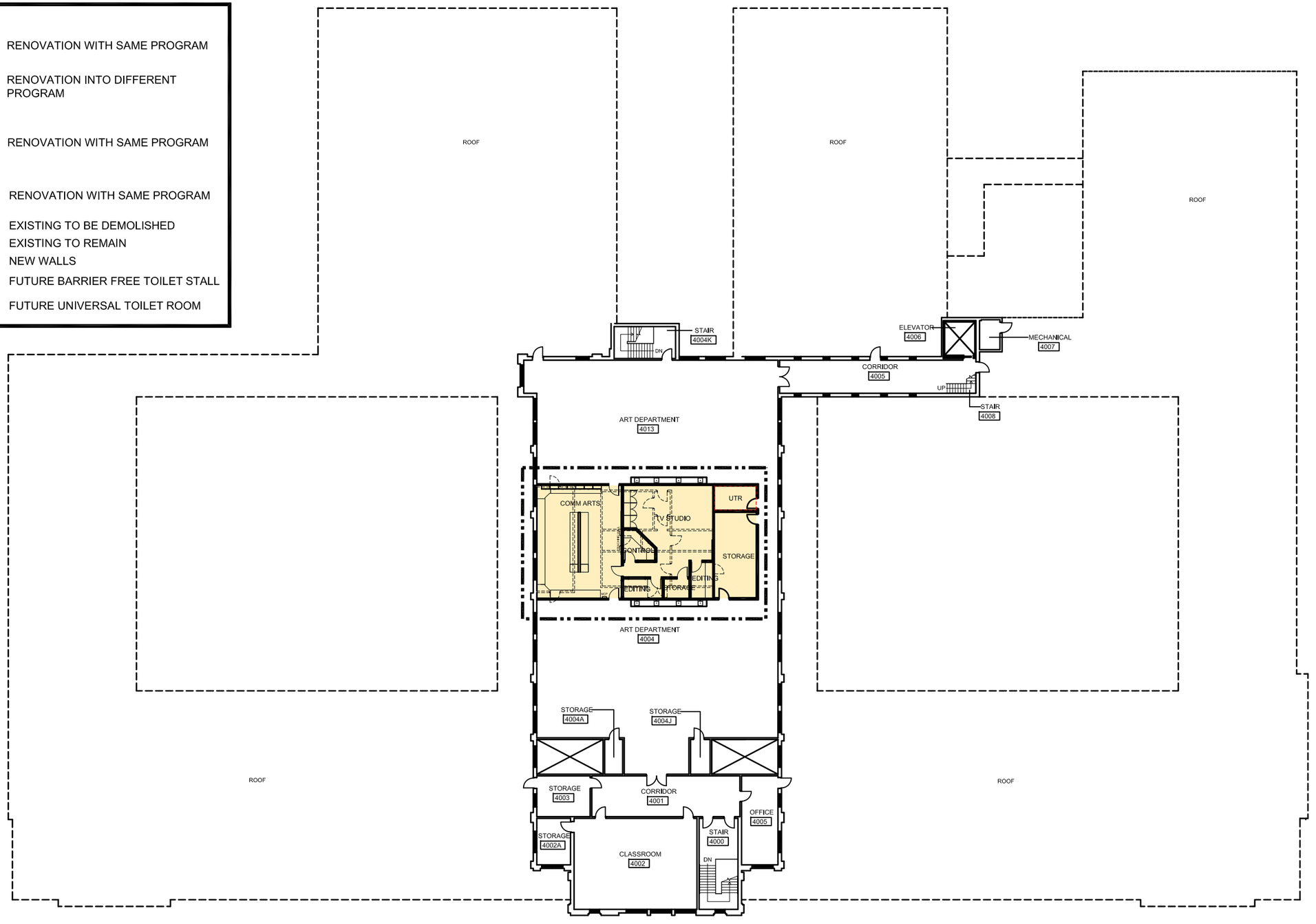
- RENOVATION WITH SAME PROGRAM

PHASE 3

OTHER SPACES

- RENOVATION WITH SAME PROGRAM

- EXISTING TO BE DEMOLISHED
- EXISTING TO REMAIN
- NEW WALLS
- BF — FUTURE BARRIER FREE TOILET STALL
- UTR — FUTURE UNIVERSAL TOILET ROOM



WESTDALE SECONDARY SCHOOL

FOURTH FLOOR KEY PLAN

PROJ: 15108
SCALE: 1/32"=1'-0"
DRAWN: SC
DATE: 15/04/08

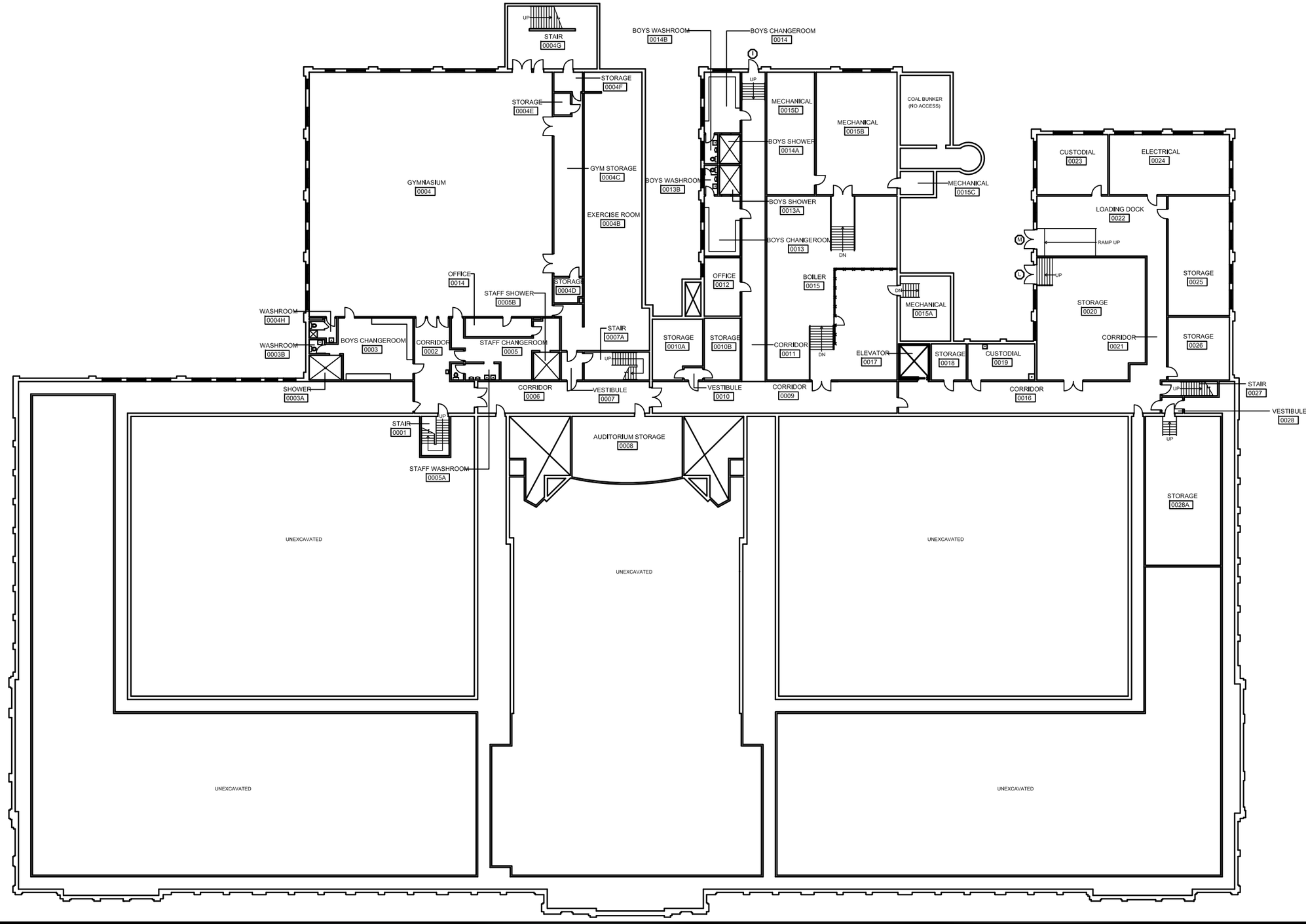
PROJECT NORTH

TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A4



WESTDALE SECONDARY SCHOOL

EXISTING BASEMENT

PROJ: 15108
SCALE: NTS
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

E5

PHASE LEGEND

PHASE 1

INSTRUCTIONAL SPACES

- RENOVATION WITH SAME PROGRAM
- RENOVATION INTO DIFFERENT PROGRAM

PHASE 2

OTHER SPACES

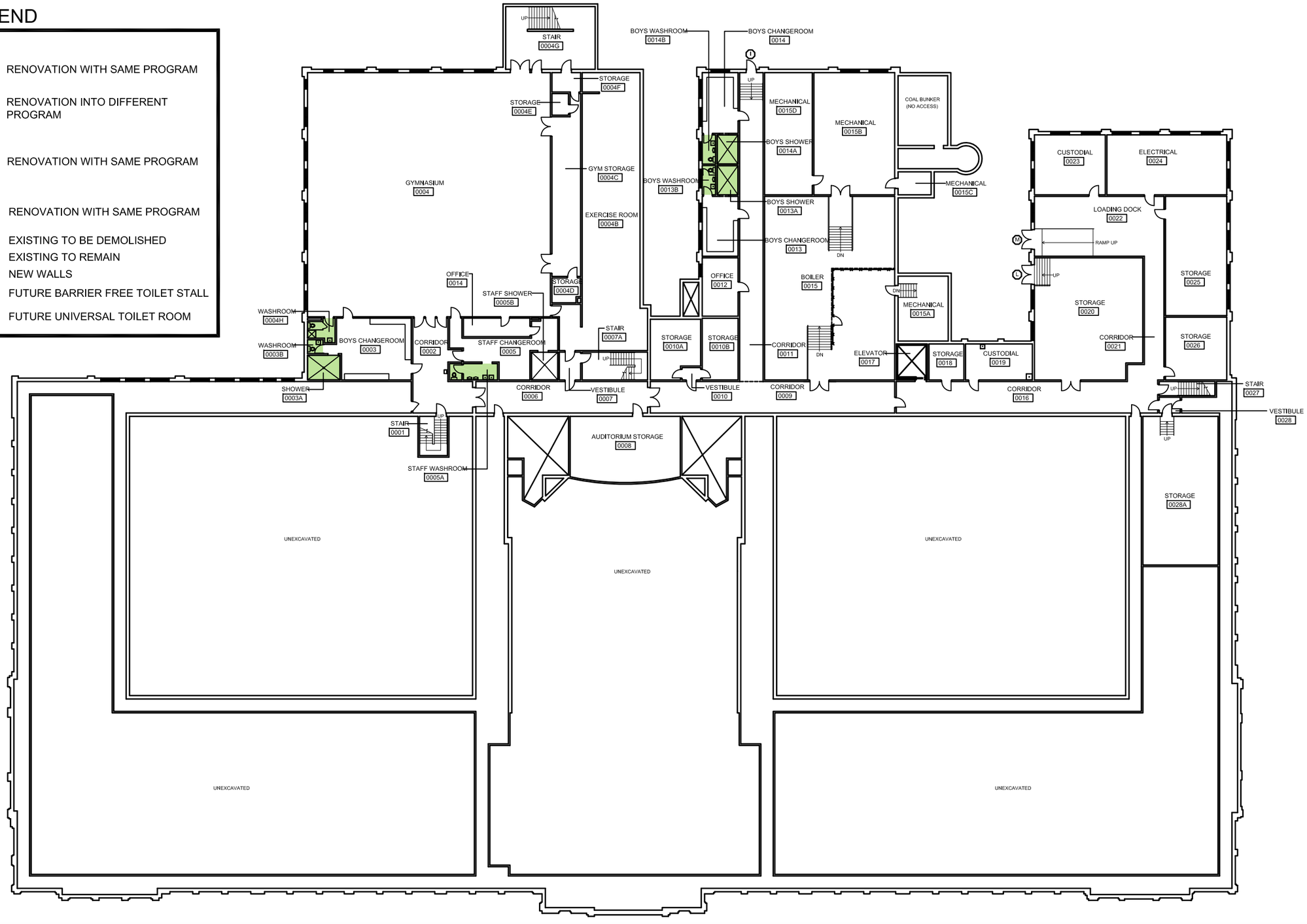
- RENOVATION WITH SAME PROGRAM

PHASE 3

OTHER SPACES

- RENOVATION WITH SAME PROGRAM

- EXISTING TO BE DEMOLISHED
- EXISTING TO REMAIN
- NEW WALLS
- BF — FUTURE BARRIER FREE TOILET STALL
- UTR — FUTURE UNIVERSAL TOILET ROOM



WESTDALE SECONDARY SCHOOL

BASEMENT KEY PLAN

PROJ:	15108
SCALE:	1/32"=1'-0"
DRAWN:	SC
DATE:	15/04/08

PROJECT NORTH

TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A5

3.6 DESCRIPTION

3.6.1 Phase 1 – Instructional Space

All spaces noted below are to be renovated to upgrade flooring, ceilings, paint and millwork as required.

GROUND FLOOR

ENGINEERING AND ROBOTICS

The existing Automotive Shop classroom is oversized based on current Ministry of Education (Edu) standards. A portion of this classroom has been repurposed as a new Engineering and Robotics classroom. The Automotive Shop and Engineering & Robotics Classroom are to be equipped with modern equipment and services per the HWDSB Design Guidelines.

INTEGRATED TECH LAB

The existing Metal Shop will be renovated into a new Integrated Tech Lab. The existing office and storage room at the front of the room will be removed to provide more floor area for the Integrated Tech Lab. A new entrance door will be added to provide access from the main corridor.

SPECIAL NEEDS WORKSHOP

The existing Special Needs Workshop will be enlarged by removing the existing office in the centre of the room to provide more usable floor space. The space is to be updated with required equipment and servicing per the HWDSB Design Guidelines for a Construction Shop.

GRADUATE SUPPORT PROGRAM

Two existing classrooms and existing offices will be renovated to provide 2 new Graduate Support Classrooms with a shared Seminar room. A new Orthopedic Washroom will be provided between the classrooms with access off the main corridor.

GUIDANCE

The existing classroom adjacent to the Office block and Student Services will be renovated to provide a new Guidance office. An existing office will be demolished to provide access to the new Guidance room from the Student Service Area.

HOSPITALITY

An existing classroom, office and portion of a second classroom adjacent to the Cafeteria will be renovated to provide a new Hospitality classroom. New finishes, fixtures and fitments will be installed.

STUDENT LOUNGE

The existing meeting room and adjacent classroom will be renovated to become a new Student Lounge at the entrance to the Cafeteria. Walls and doors between the Cafeteria and corridors are to be removed to allow the space to be open and accessible for full-time use to students and staff.

CLASSROOMS

A new Classroom will be created with the renovation of the existing Academic storage (which was originally a classroom) and the demolition of the existing interior storage room. This prime corner location of the building with ample natural light is best suited as a classroom where students can benefit from the direct sunlight.

SECOND FLOOR

SCIENCE LABS

All the existing Science labs and support spaces on the west corridor will be renovated into 2 new Science Lab with a shared Prep Room between them. All existing plumbing and millwork will be removed and new plumbing and millwork as well as floors, ceilings and paint will be installed.

An existing Custodian Storage Room, Science Lab, Prep Room and office will be renovated into a new Science Lab and Prep Room. The Adjacent Classroom will be renovated into a General Science room with access to the Prep Room.

An existing oversized Science Lab with be renovated into a new Science Lab and Prep Room.

TEAHCER'S WORKROOM

Two existing offices in the south-west corner of the floor area to be renovated into one larger shared Teacher's Workroom. All existing millwork and sinks to be removed and replaced with staff workstations per HWDSB Design Guidelines.

CADD LAB

The existing Classroom adjacent to the Construction Shops with be renovated into a new CADD Lab.

CONSTRUCTION SHOP

The existing Construction Shops will be renovated with modern equipment and services per the HWDSB Design Guidelines.

THIRD FLOOR

SCIENCE LABS

All the existing Science labs and support spaces on the west corridor will be renovated into 2 new Science Lab with a shared Prep Room between them. All existing plumbing and millwork will be removed and new plumbing and millwork as well as floors, ceilings and paint will be installed.

The existing Science Room, Storage and Classroom in the South-west corner with be renovated into a new Science Lab and Prep Room. All existing plumbing and millwork will be removed and new plumbing and millwork as well as floors, ceilings and paint will be installed.

TEACHER'S WORKROOM

The existing Office, Storage room and portion of the existing Science Room will be renovated into a new Teacher Workroom. All existing millwork and sinks to be removed and replaced with staff workstations per the HWDSB Design Guidelines.

CLASSROOMS

The existing Home Economics Classroom and adjacent storage room will be renovated into two new classrooms. All existing plumbing and millwork will be removed and floors, ceilings and paint will be installed.

The existing Resource and adjacent offices in the south-east corner of the building will be renovated into a new classroom.

FOURTH FLOOR

COMMUNICATIONS ARTS & TV STUDIO

The existing computer lab, dark room, office and storage rooms in the centre of the art rooms are to be demolished. A new Communication Arts room and TV studio complete with storage and editing rooms will be installed. A new storage room and Universal Washroom will also be installed. All existing millwork and plumbing to be removed and new millwork and plumbing to be installed.

3.6.2 Phase 2 – Cafeteria and Learning Commons (Library)

GROUND FLOOR

CAFETERIA AND KITCHEN

Although the cafeteria and kitchen were renovated within the last ten (10) years, it should be considered part of the revitalization program, and may even be considered for a Phase 1 renovation as it links to the new Student Lounge and Cafeteria Expansion area being created, which is intended to become an important HUB for the school. Walls and doors between the Cafeteria and corridors are to be removed to allow the space to be open and accessible for full-time use to students and staff.

The Cafeteria will receive all new finishes, including floor, wall paint and new ceilings with bulkheads used to designate areas.

SECOND FLOOR

LEARNING COMMONS (LIBRARY)

The existing Library will undergo a complete finishes renovation including all new floors, ceiling and paint. Refer to the images provided earlier in 'Communal Spaces' for intension of a space which encourages 'community' and project based work and interaction.

3.6.3 Phase 3 – Non-Instruction Spaces and Washrooms

GROUND FLOOR

MAIN OFFICE AND SUPPORT SPACE

The existing Main Office will be revised to provide better supervision of the main front entrance and incorporate the new Guidance office.

STAFF LOUNGE

The existing Staff Lounge will be reduced in size to meet the Edu standards. Existing millwork and plumbing to re removed and all new millwork and plumbing to be installed.

WASHROOMS – STUDENT AND STAFF

All existing ground floor washrooms are to be renovated. All plumbing fixtures are to be removed and replaced. New floor, ceiling and wall finishes are to be installed. New washroom partitions are to be installed. Revise layout to include a new accessible stall to meet O.B.C. requirements.

ENTRANCE VESTIBULEs

Main entrance, parking lot entrance and south-west entrance to all be renovated to meet O.B.C. requirements.

SECOND FLOOR

WASHROOMS – STUDENT AND STAFF

All existing second floor washrooms are to be renovated. All plumbing fixtures are to be removed and replaced. New floor, ceiling and wall finishes are to be installed. New washroom partitions are to be installed. Revise layout to include a new accessible stall to meet O.B.C. requirements.

OFFICE

An existing office to be renovated with all new finishes and millwork.

THIRD FLOOR

WASHROOMS – STUDENT AND STAFF

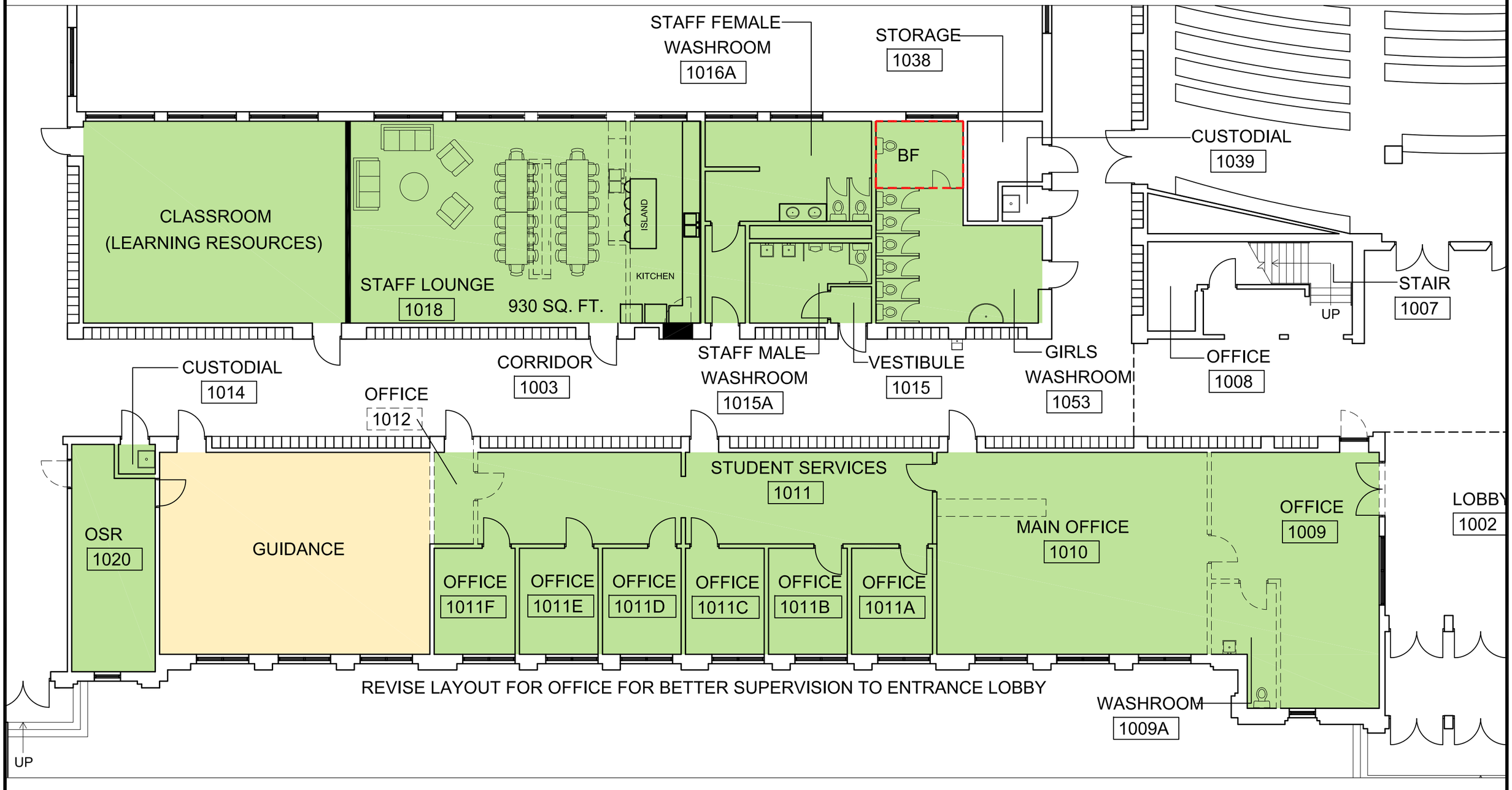
All existing second floor washrooms to be renovated. All plumbing fixtures to be removed and replaces. New floor, ceiling and wall finishes to be installed. New washroom partitions to be installed. Revise layout to include new Barrier free stall to meet O.B.C. requirements.

OFFICE

An existing office to be renovated with all new finishes and millwork.

SEMINAR ROOMS

Two existing offices to be renovated into Seminar Rooms with all new finishes and millwork.



WESTDALE SECONDARY SCHOOL

GROUND FLOOR - ENLARGED PLANS

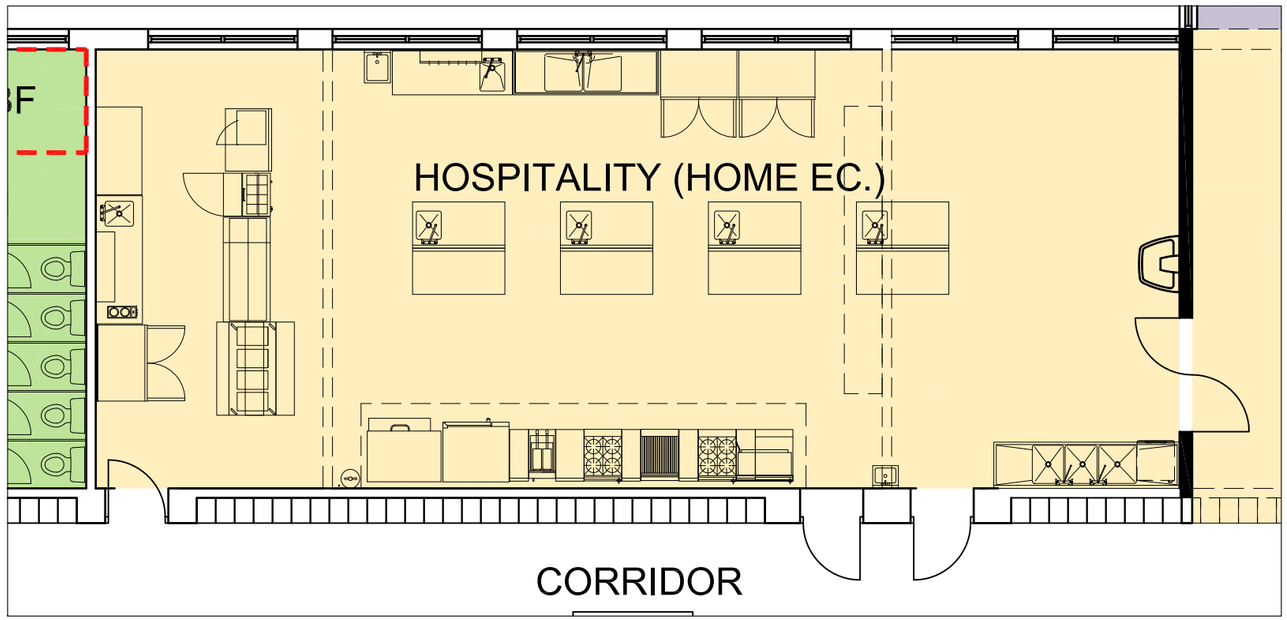
PROJ: 15108
SCALE: 3/32"=1'-0"
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A6



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1/16"=1'-0"

WESTDALE SECONDARY SCHOOL

GROUND FLOOR - ENLARGED PLANS

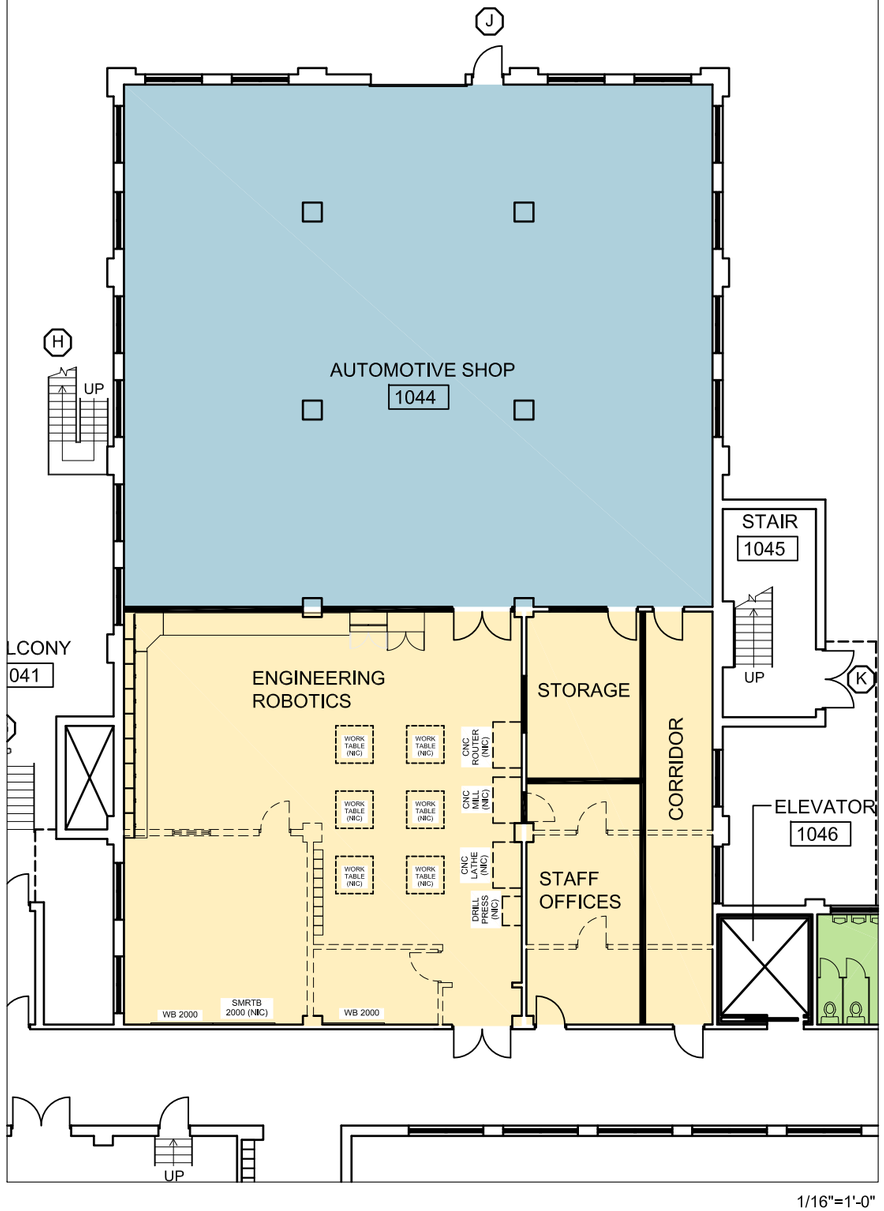
PROJ: 15108
SCALE: NOTED
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A7



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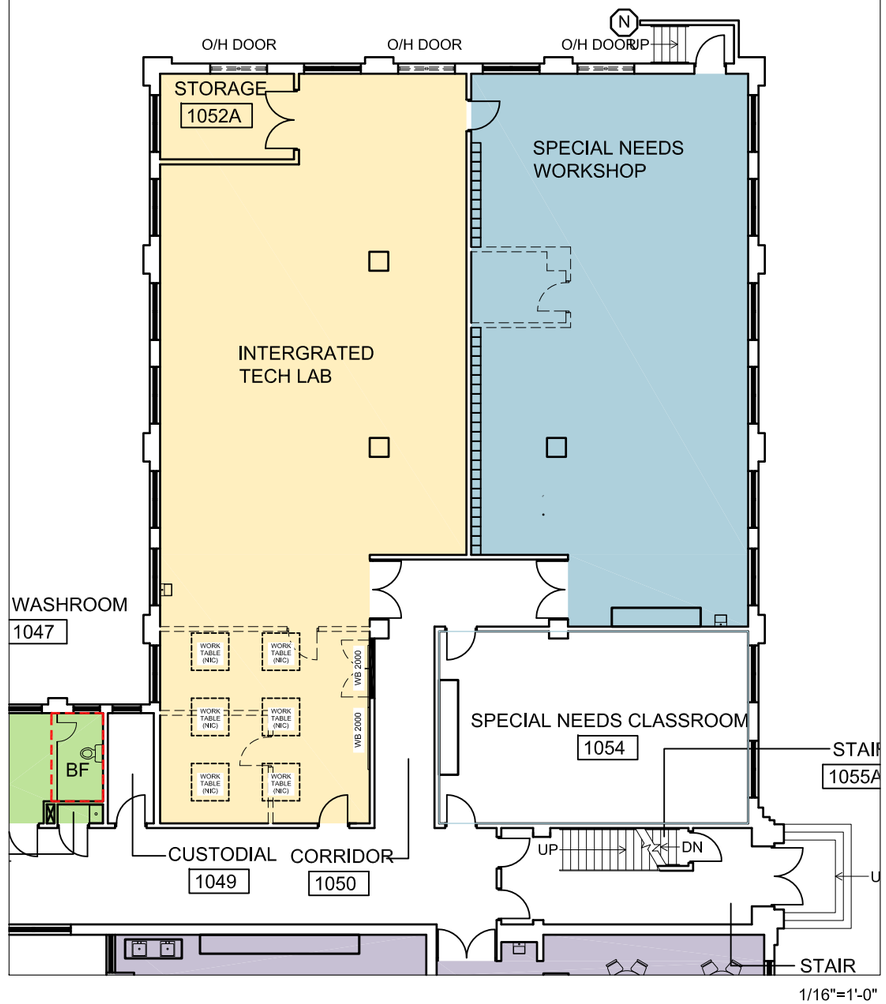

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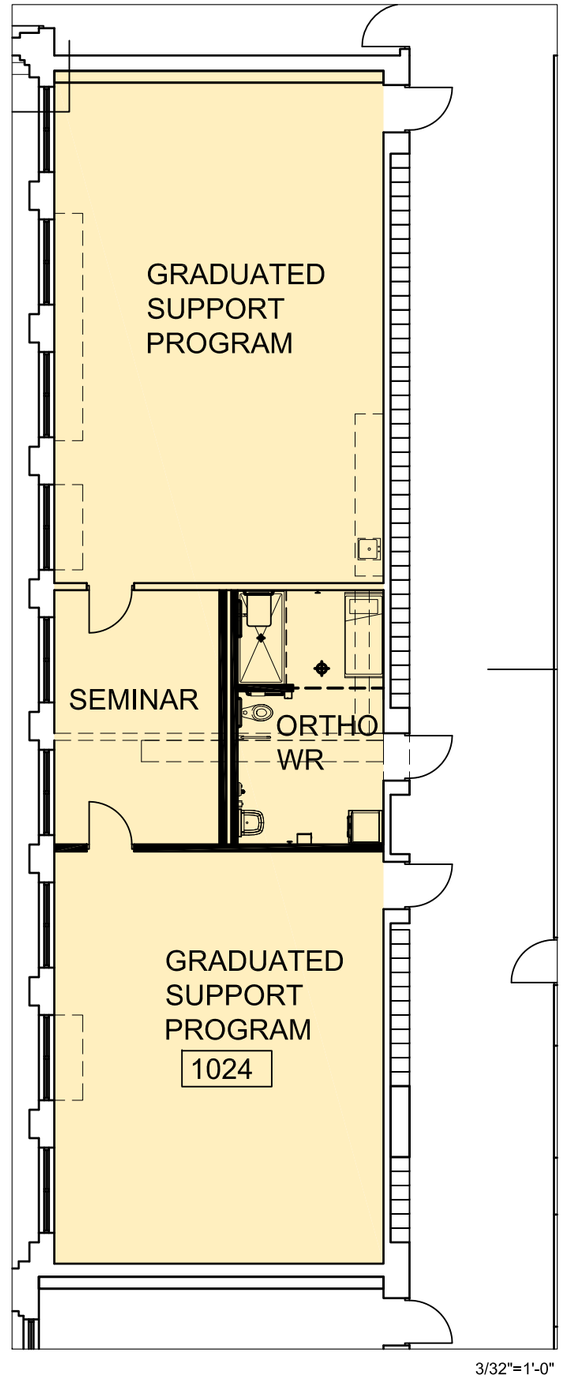


3/32"=1'-0"

WESTDALE SECONDARY SCHOOL

GROUND FLOOR - ENLARGED PLANS

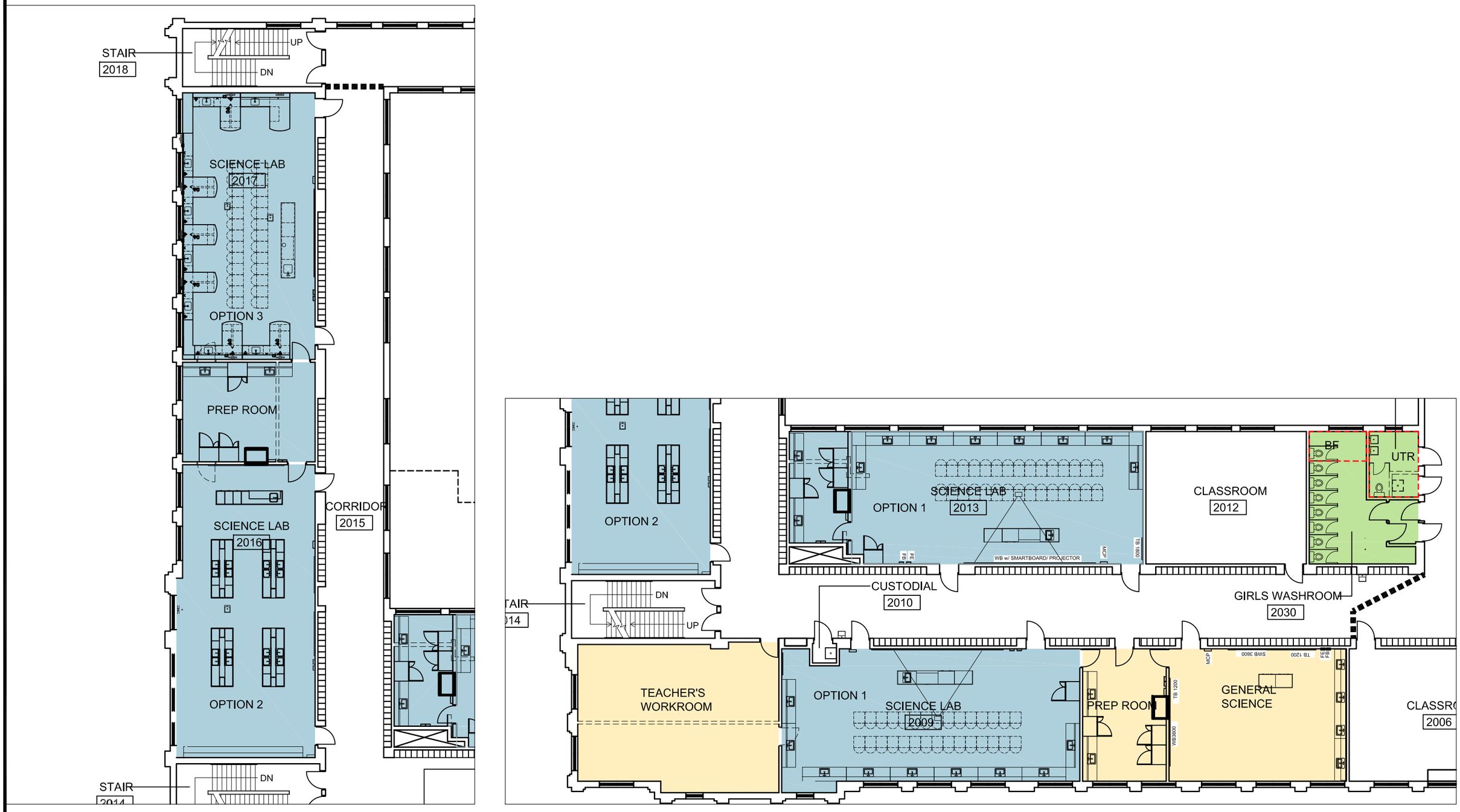
PROJ: 15108
SCALE:NOTED
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A8



WESTDALE SECONDARY SCHOOL

SECOND FLOOR - ENLARGED PLANS

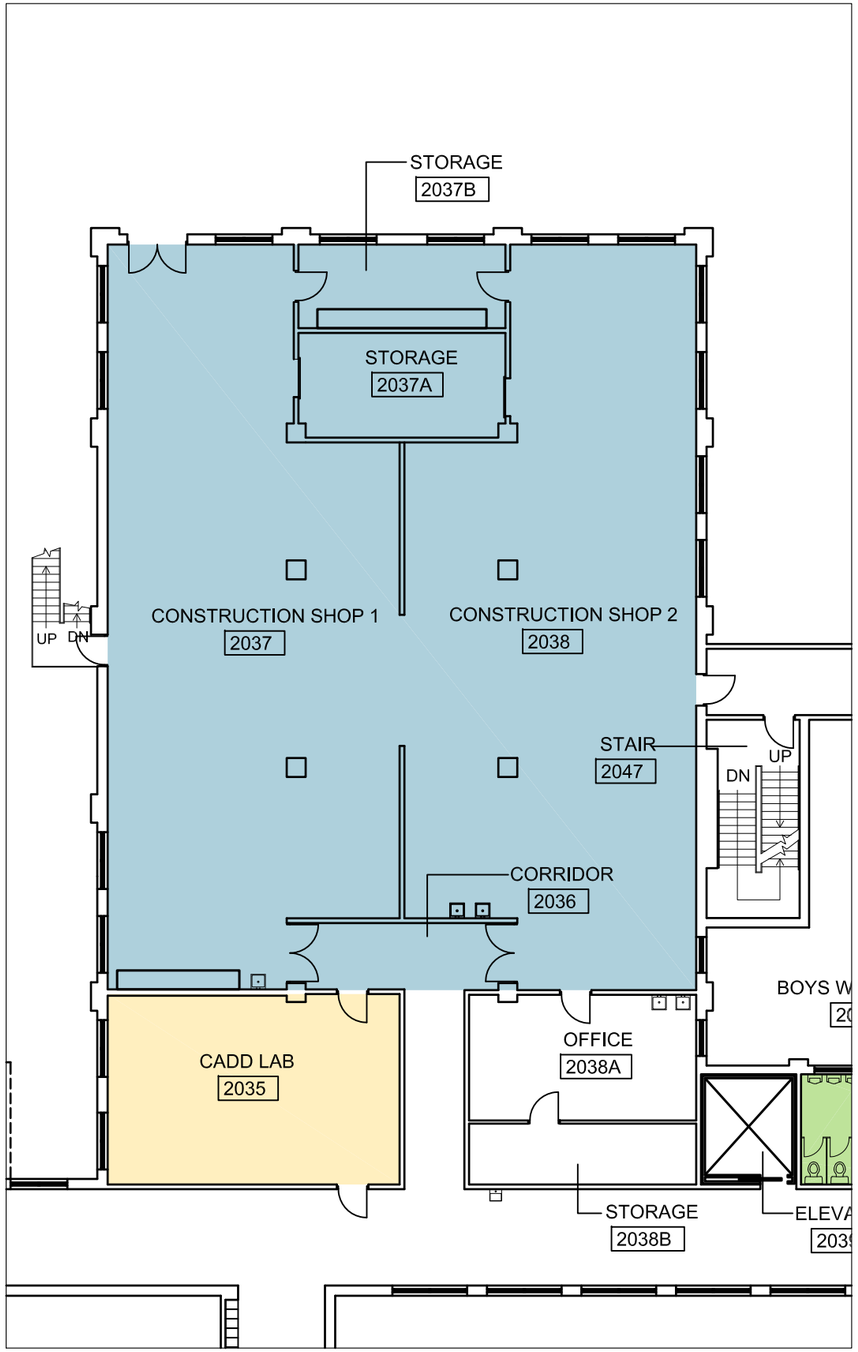
PROJ: 15108
SCALE: 1/16"=1'-0"
DRAWN: SC
DATE: 15/04/08

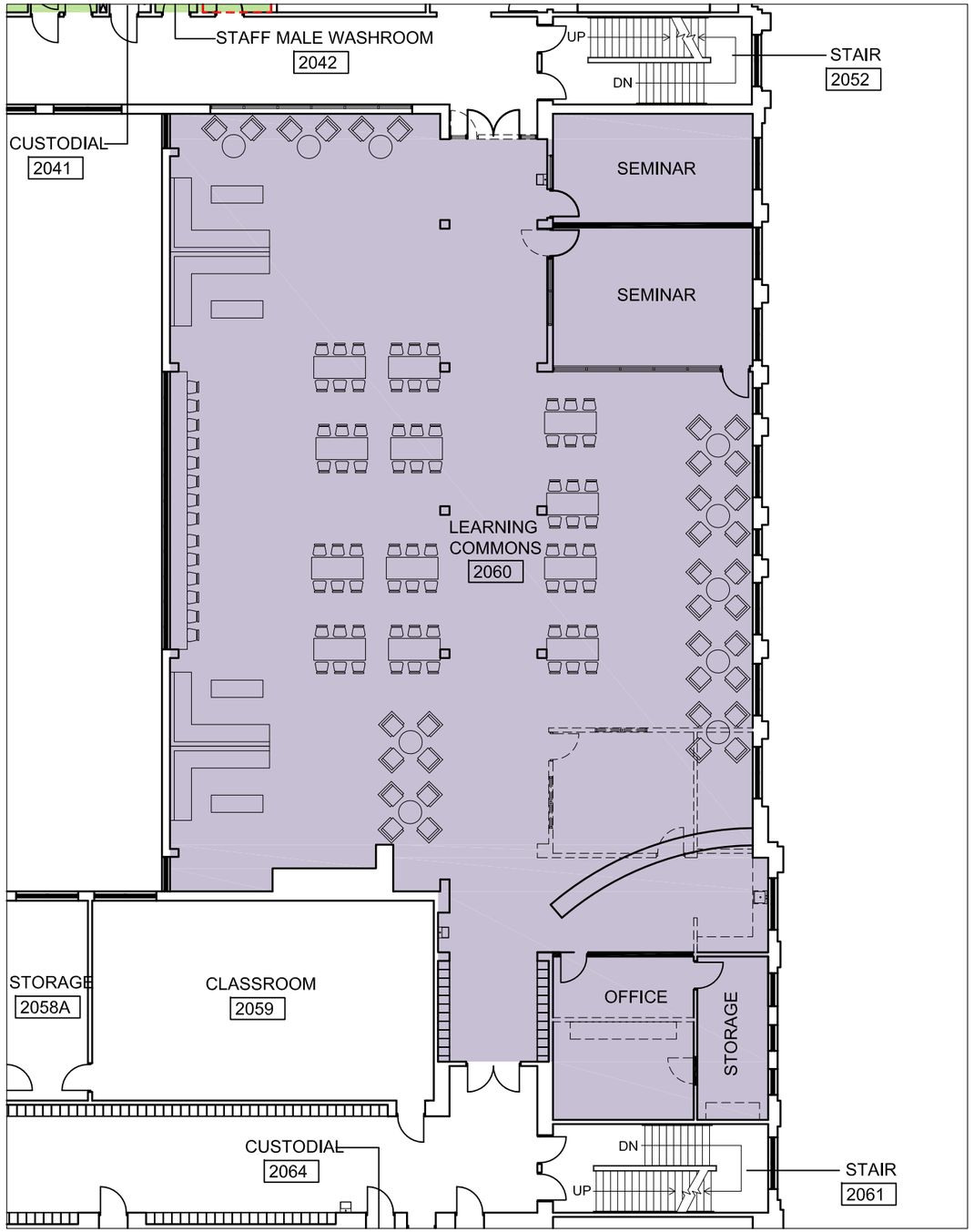
PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A9





WESTDALE SECONDARY SCHOOL

SECOND FLOOR - ENLARGED PLANS

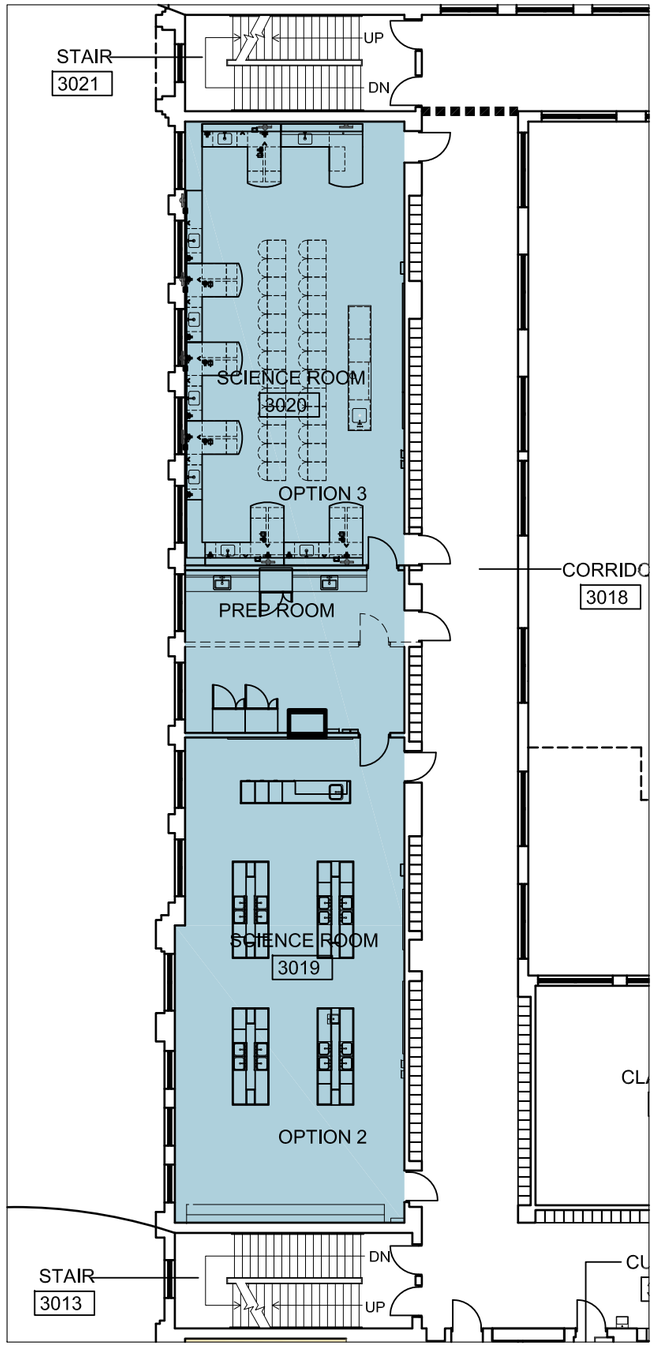
PROJ: 15108
SCALE: NTS
DRAWN: SC
DATE: 15/04/08

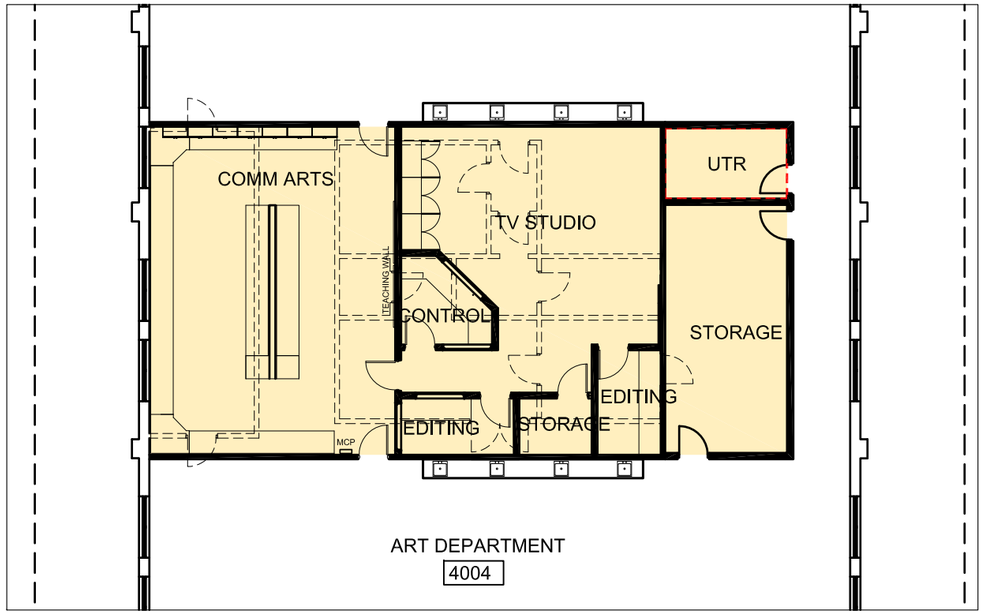
PROJECT NORTH
TRUE NORTH

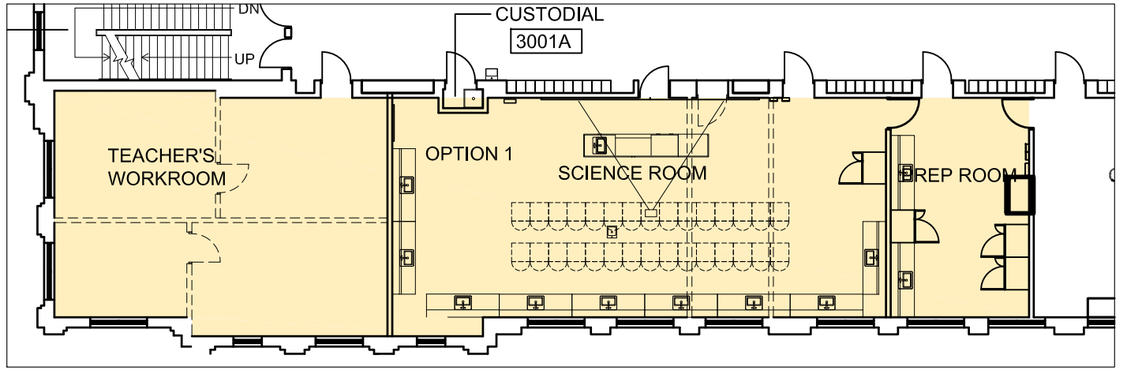
HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A10







WESTDALE SECONDARY SCHOOL

THIRD & FOURTH FLOORS - ENLARGED PLANS

PROJ: 15108
SCALE: 1/16"=1'-0"
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

A11

3.7 SITE PLAN – Construction Access

With the only access to the parking area coming off Longwood Rd. S, this entrance is intended to be the main construction entrance to the site unless a temporary construction access is created for the duration of the renovation. Refer to attached Site Plan for the locations of the Construction Storage and Construction Building entrance.

WESTDALE SECONDARY SCHOOL

SITE PLAN

PROJ: 15108
SCALE:N.T.S.
DRAWN: SC
DATE: 15/04/08

PROJECT NORTH
TRUE NORTH

HOSSACK & ASSOCIATES ARCHITECTS

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SP1

SECTION 4 – SUSTAINABLE DESIGN STRATEGIES

The revitalization of Westdale Secondary School is proposed as a renovation to the existing building to repurpose existing space for the modern needs of the users. An addition is both costly and utilizes site area, which is very limited in the urban setting of this school. Although space within this school is at a premium for the student population, the re-use of some of the large technical labs and excessive storage rooms into additional program spaces will allow the existing building square footage to be used more efficiently.

The intention is to renovate using sustainable design strategies such as the following:

- Retain existing building components wherever possible (thus reducing material in landfill).
- Reuse existing building components wherever possible (reuse concrete block or brick veneer).
- Replace building components that do not promote energy efficient qualities (ie. poor windows and doors, mechanical, plumbing and electrical equipment).
- Use construction materials with recycled content wherever possible.
- Use local construction materials wherever possible.
- Incorporate building technologies which promote lower energy usages (ie. occupancies sensors for lighting).
- Items identified in the Existing Building Conditions Report to be replaced pertaining to building envelope or building systems are to be replaced with higher performance, energy efficient components, thus reducing energy use requirements.

Efforts toward a school revitalization and renewal that embraces sustainable strategies is in keeping with the School Board mandate toward healthier environments for students, staff and the communities they serve.

APPENDIX A

EXISTING CONDITIONS PHOTOS

APPENDIX A - EXISTING CONDITIONS PHOTOS

APPENDIX B

MECHANICAL
FEASIBILITY STUDY &
CONCEPT DESIGN

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• Hamilton Wentworth District School Board

Westdale Secondary School

Mechanical Services Feasibility Study & Concept Design

Project Number
GR8-00014230-00

Prepared By:
Murray Wickham, P.Eng., LEED AP
Erick Korthuis

Date Submitted
November 25, 2015

TABLE OF CONTENTS

1.0 INTRODUCTION

The existing Westdale Secondary School was opened in 1931 and is located at 700 Main Street West in Hamilton, Ontario.

The Hamilton-Wentworth District School Board is proposing to renovate the existing Science Laboratories, Washrooms, Administration Office spaces, Technology Labs (Shops), Cafeteria, and Library and to create new Classroom (Learning Resource), Hospitality, Student Lounge, TV Studio, Commercial Arts, Staff Room, CADD Lab, Teacher Workroom, new Rear Vestibule, Construction Shops and Special Education (Graduated Support) Classrooms by renovating existing space.

Some of the information in this Design Brief related to existing conditions is based on information from a site review completed in January, 2015. In addition, we have reviewed the building with Ms. Agnese De Fazio, Project Supervisor, Capital Projects.

This report documents the feasibility and the proposed mechanical systems that are consistent with, and anticipated for, the proposed renovations.

This report, prepared by **exp** Services Inc., is intended for the exclusive use of Hamilton-Wentworth District School Board and Hossack & Associates Architects Inc. None of **exp** Services Inc., Hamilton-Wentworth District School Board and Hossack & Associates Architects Inc. assume any liability for the use of this report, or for the use of any information disclosed in the report, or for damages resulting from the use of this report, by other parties.

2.0 CODES, STANDARDS & GUIDELINES

Guidelines and interpretations of the requirements of the latest editions of the following Codes, Standards will be addressed in the design of this project:

- Ontario Building Code (OBC)
- Ontario Fire Code (OFC)
- Ontario Gas Utilization Code
- ASHRAE 62.1, Ventilation for Acceptable Indoor Air Quality
- ASHRAE 90.1, Energy Efficient Design of New Buildings Except Low-Rise Residential Buildings
- NFPA 10, Portable Fire Extinguishers
- NFPA 13, Installation of Sprinkler Systems
- NFPA 14, Installation of Standpipe and Hose Systems
- Hamilton-Wentworth District School Board Design Guidelines

3.0 DESCRIPTION OF SCOPE APPLICABLE TO ALL PROPOSED AREAS OF RENOVATION

3.1 Existing Mechanical Conditions

- Plumbing fixtures and Science Lab sinks complete with associated trim, isolation valves, hot/cold water and sanitary drain pipes serving areas of renovation are to be removed from the site
- Existing buried sanitary and storm pipes serving area of renovation to be power flushed after all construction at the site is complete
- Existing supply air diffusers and/or grilles and a portion of existing ductwork serving areas of renovation are to be removed from the site
- After all construction at the site is complete, existing interior supply, return and exhaust ductwork, approximately 4500 mm from diffusers/grilles is to be power vacuumed
- Existing window air conditioning units and all accessories serving areas of renovation are to be removed from the site
- Existing local fan equipment serving the areas of renovation is to be removed from the site
- Existing unit ventilators that are being reused are to have the interiors cleaned, drain pans cleaned, motors lubricated, filters replaced and all dampers adjusted
- Redundant controls in areas of renovation are to be removed from site
- All existing heating equipment (unit heaters, cabinet heaters, heating coils) that are being reused are to be cleaned and lubricated
- New firestopping to be supplied and installed in gaps between existing pipes/ductwork and existing walls surrounding the renovated area
- Existing equipment being reused to be water and air balanced to match original design documents
- All existing fire extinguishers to be inspected and charged
- Existing wall radiation that is being reused shall be cleaned and enclosures replaced with similar style. New enclosures to be painted
- Existing floor drain grates to be replaced with new, similar in style

Refer to Architectural Demolitions Plans for Rooms/Areas being renovated.

3.2 New Mechanical Requirements

- Type L Copper pipe for new domestic water pipes
- Schedule 40 steel pipe for new heating pipes

- Schedule 40 steel pipe for new gas pipes
- PVC plastic pipe for new sanitary and storm pipes
- DWV copper pipe for new vent pipes
- Type ACR copper piping for new refrigerant pipes
- Type M copper for new condensate pipes
- Borosilicate glass drain pipe for new Science Labs
- New double check valve backflow assembly in existing incoming domestic water and fire pipe
- New Washroom and Change Room supply, return and exhaust ducts are to be aluminum
- New supply, return and exhaust ductwork, unless otherwise noted, are to be galvanized steel fabricated to SMACNA Duct Construction Standards
- Extend existing supply, return and exhaust duct systems complete with new diffusers and grilles to suit the area of renovation, unless otherwise indicated
- New HVAC equipment to be connected to the existing Building Automation System (BAS)
- Supply and install new diffusers and/or grilles serving areas of renovation
- Supply and install additional fire extinguishers to meet the latest Codes and Standards

4.0 DESCRIPTION OF SCOPE APPLICABLE TO SPECIFIC ROOMS/AREAS OF RENOVATION

4.1 Washrooms - All Floors

- Existing wall radiation to be reused. Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing Mechanical Requirements
- Existing exhaust system to be reused. Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing Mechanical Requirements
- Install new plumbing fixtures as per Architectural Layout and School Board Standards

4.2 Cafeteria/Cafeteria Servery Renovation

- Existing wall radiation to be reused. Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing Mechanical Requirements
- Extend and/or relocate existing supply and return duct systems to suit new room layout. New ductwork to be connected to the existing building services
- Supply and install new sanitary sewer piping to serve new and relocated plumbing fixtures. Piping to be connected to the existing building sanitary system
- Supply and install new domestic hot, cold and recirculation pipe distribution system to all new and relocated plumbing fixtures. New pipes to be connected to the existing building systems complete with isolation valves and all accessories

4.3 Seminar

- Remove all existing mechanical services beyond finished wall/floor/ceiling surfaces
- Supply and install a 1-1/2 Ton cooling /heating ductless spilt system complete with indoor fan coil unit, remote roof mounted condensing unit, refrigerant piping and condensate drains
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.4 General Offices - Administration Wing

- Existing wall radiation units are to remain

- Supply and install a 15-Ton variable refrigerant flow (VRF) cooling system to serve individual offices and General Office. Supply twelve (12) dedicated indoor cooling fan coil units complete with refrigerant piping and condensate drains. Fan coil units to be sized to rooms served. Install remote condenser on finished grade
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.5 General Office - Guidance

- Existing wall radiation units are to remain
- Supply and install a 5-Ton cooling/heating ductless split system complete with indoor fan coil units, refrigerant piping, condensate drains and remote condensing unit on finished grade
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.6 Graduated Support Program

- Supply and install new sanitary sewer piping to serve new plumbing fixtures. Piping to be connected to the existing building sanitary system
- Install new plumbing fixtures as per Architectural Layout and School Board Standards
- Supply and install new domestic hot, cold and recirculation pipe distribution system to all new plumbing fixtures. New pipes to be connected to the existing building systems complete with isolation valves and all accessories
- Supply and install new indoor in-line exhaust fan (300 CFM), ductwork, grilles, outdoor wall louvre and all accessories to serve dedicated area Washrooms
- Demolish and remove from site baseboard heating equipment and associated heating piping
- Supply and install new perimeter hot water heating pipes and baseboard heating equipment to suit new room layout. New pipes to be connected to the existing building heating system
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.7 TV Studio

- Demolish and remove from site all existing supply, return and exhaust air ductwork and all accessories

- Demolish and remove from site existing baseboard heating equipment and associated heating pipes
- Supply and install a 7-1/2 Ton cooling and gas heating rooftop unit complete with associated ductwork, grilles, diffusers and controls
- Supply and install new perimeter building water heating pipes and baseboard heating equipment to suit new room layout. New pipes to be connected to existing building heating system
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - New Mechanical Requirements

4.8 Communication Arts

- Demolish and remove from the site all existing exhaust air systems and all accessories
- Demolish and remove from site existing baseboard heating equipment and associated heating pipes
- Supply and install new building hot water heating pipes and heating equipment to suit new room layout. New pipes to be connected to existing building heating system
- Extend existing supply and return ductwork to suit new Room layout
- Supply and install a 5-ton cooling split ductless system complete with indoor fan coil units, refrigerant piping, condensate drains and remote roof mounted condensing unit
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - New Mechanical Requirements

4.9 Engineering/Robotics Classroom

- Demolish and remove from the site all existing exhaust air systems and all accessories
- Supply and install a new specialized exhaust air system complete with exhaust fan and associated ductwork and connect to Owner supplied equipment. Finishing exhaust system (800 CFM)
- Existing heating equipment and accessories are to remain.
- Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.10 Integrated Tech/Lab

- Demolish and remove from the site all existing exhaust air systems and all accessories

- Supply and install new specialized exhaust air systems and connect to Owner supplied equipment. i.e. Welding exhaust system (1500 CFM); Finishing exhaust system (800 CFM)
- Existing heating equipment and accessories are to remain.
- Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.11 Special Needs Wood Shop

- Demolish and remove from the site all existing exhaust air systems and all accessories
- Supply and install a new sawdust collector complete with spark arrestor system (6000 CFM), exhaust air system and connect to Owner supplied equipment
- Existing heating equipment and accessories are to remain
- Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.12 Automotive Shop

- Demolish and remove from the site all existing exhaust air systems and all accessories
- Supply and install new specialized exhaust air systems complete with exhaust fan and associated ductwork and connect to Owner supplied equipment. i.e. Carbon monoxide system (500 CFM); Finishing exhaust system (800 CFM); Welding exhaust system (1500 CFM)
- Existing heating equipment and accessories are to remain.
- Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.13 Hospitality

- Demolish and remove from site all existing wall radiation
- Supply and install new perimeter heating building hot water heating pipes and heating equipment to suit new room layout. New pipes to be connected to the existing building heating system
- Supply and install new sanitary piping to serve new commercial kitchen equipment. Connect piping to the existing building sanitary system

- Supply and install new domestic hot, cold and recirculation pipe distribution system to all commercial kitchen equipment. New pipes to be connected to the existing building systems complete with isolation valves and all accessories
- Supply and install a new 100 gallon (450 L) grease interceptor
- Reroute existing above grade storm sewer piping to suit new room layout
- Supply and install new cooking exhaust hood (2500 CFM) complete with roof exhaust fan and associated exhaust ductwork. New ductwork to be 16 gauge steel, fabricated and labelled to NFPA 96 complete with 2-hour rated non-combustible flexible fireproof wrap
- Supply and install cooking exhaust hood fire suppression system
- Supply and install a gas heating rooftop make-up air unit (2000 CFM) to serve the cooking exhaust hood
- Supply and install a 5-Ton cooling and gas heating rooftop unit (2000 CFM) complete with ductwork, grilles, diffusers and controls
- Supply and install refrigeration piping to serve new walk-in refrigerator and freezer units
- Supply and install an automatic gas shut-off valve serving the commercial kitchen equipment to Close upon fire alarm activation
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.14 Student Lounge

- Demolish and remove from site all existing wall radiation
- Supply and install new perimeter building hot water heating pipes and heating equipment to suit new room layout. New pipes to be connected to the existing building heating system
- Supply and install new supply and return air ducts, diffusers/grilles and accessories to serve new room layout. New ductwork to be connected to the existing building systems
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.15 Library

- Refer to General Scope Applicable to All Proposed Areas of Renovation - New Mechanical Requirements

4.16 New Classroom - Ground Floor

- Demolish and remove from site existing baseboard heating equipment and associated heating piping
- Supply and install new building hot water heating piping and baseboard heating equipment to suit the new Classroom. New pipes to be connected to the existing building heating system
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.17 Science Labs/Prep Rooms

- Demolish and remove from site all existing sanitary, domestic water and natural gas piping serving the old Science Labs
- Demolish and remove from site all existing Instructor's Work Bench exhaust systems, exhaust fan and associated ductwork serving the old Science Labs
- Demolish and remove from site all existing fume hoods serving old Science Labs
- Demolish and remove from site all existing emergency exhaust systems, fans and associated ductwork, serving the old Science Labs
- New Science Lab exhaust air extraction duct to be internally lined PVC coated, Class B negative pressure
- Supply and install new sanitary piping and connect to all new sinks, fume hoods, and floor drains. Sanitary pipe to be connect to new neutralizing tank located on the Third Floor. New pipe to be connected to the existing building sanitary system
- Supply and install new domestic hot, cold and recirculation water and natural gas pipes to serve new Instructor's Work Benches complete with isolation and solenoid valves. Install solenoid valves on new cold water and natural gas pipes serving Student Work Benches. New pipes to be connected to the existing systems complete with isolation valves and all accessories. Solenoid valve to be controlled by a key switch located at the Instructor's Work Bench and to an emergency panic button located on the wall beside the door leaving the Room.
- Supply and install new two-sided fume hoods (800 CFM each) complete with roof mounted exhaust fans, exhaust ductwork and air proving switch to serve new Lab layout.
- Supply and install emergency exhaust system (1500 CFM) complete with outdoor exhaust fan, ductwork and exhaust grille. Fan to be manually operated
- Existing room unit ventilator compete with wall enclosure and existing associated piping are to remain

- Supply and install new dedicated Classroom Instructor's Work Bench exhaust system complete with roof exhaust fan and associated exhaust ductwork. Fan to be manually operated from Instructor's Work Bench
- New Instructor's Work Bench and fume hood exhaust air extraction duct to be internally lined PVC coated, Class B negative pressure
- Supply and install two (2) floor type neutralizing tanks (150 gallon capacity each) complete with limestone chips to serve new Chemistry Labs. Neutralizing tanks to rest on Ground Floor, West Wing
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.18 Classroom - Third Floor

- Demolish and remove from site all existing wall radiation
- Supply and install new perimeter building hot water heating pipes and heating equipment to suit new room layout. New pipes to be connected to the existing building heating system
- Supply and install new supply and return air ducts, diffusers/grilles and accessories to serve new room layout. New ductwork to be connected to the existing building systems
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.19 CADD Lab

- Remove all existing mechanical services beyond finished wall/floor/ceiling surfaces
- Supply and install a 3-Ton cooling /heating ductless spilt system complete with indoor fan coil unit, remote condensing unit, refrigerant piping and condensate drains
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.20 Teacher Workroom

- Demolish and remove from site existing baseboard heating equipment and associated heating piping
- Demolish and remove from site a portion of existing supply duct, return duct, diffusers/grilles and accessories to serve new room layout. New ductwork to be connected to the existing building systems

- Supply and install new building hot water heating piping and baseboard heating equipment to suit the new layout. New pipes to be connected to the existing building heating system
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.21 Office Workroom

- Demolish and remove from site existing baseboard heating equipment and associated heating piping
- Demolish and remove from site a portion of existing supply duct, return duct, diffusers/grilles and accessories to serve new room layout. New ductwork to be connected to the existing building systems
- Supply and install new building hot water heating piping and baseboard heating equipment to suit the new layout. New pipes to be connected to the existing building heating system
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.22 Staff Office/Storage - Engineering/Robotics

- Demolish and remove from site all existing wall radiation
- Supply and install new perimeter heating building hot water heating pipes and heating equipment to suit new room layout. New pipes to be connected to the existing building heating system
- Supply and install new supply and return air ducts, diffusers/grilles and all accessories to serve new room layout. New ductwork is be connected to the existing building system
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.23 Staff Lounge

- Install new plumbing fixtures as per Architectural Layout and School Board Standards
- Supply and install new domestic hot, cold and recirculation pipe distribution system to all new plumbing fixtures. New pipe to be connected to the existing building systems complete with isolation valves and all accessories
- Supply and install new supply and return air ducts, diffusers/grilles and all accessories to serve new room layout. New ductwork to be connected to the existing building systems

- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.24 New Rear Vestibule

- Supply and install new storm sewer piping to serve new roof drain. Piping to be connected to the existing building storm system
- Supply and install new perimeter hot water heating pipes and heating fan coil unit to suit new room layout. New piping to be connected to the existing building heating system complete with isolation valves and all accessories
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.25 Teacher Workroom

- Demolish and remove from the site all existing wall radiation
- Supply and install new perimeter hot water heating building pipes and heating equipment to suit new room layout. New piping to be connected to the existing building heating system complete with isolation valves and all accessories
- Supply and install new supply and return air duct, diffusers/grilles and all accessories to serve new room layout. New ductwork to be connected to the existing building systems
- Supply and install a 5 Ton cooling, ductless, split system complete with indoor fan coil unit, remote condensing unit, refrigerant piping and condensate drains
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.26 Existing Construction Shop One

- Demolish and remove from the site all existing exhaust air systems and all accessories
- Supply and install a new sawdust collector complete with spark arrestor system (6000 CFM), exhaust air system and connect to Owner supplied equipment
- Existing heating equipment and accessories are to remain
- Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.27 Existing Construction Shop Two

- Demolish and remove from the site all existing exhaust air systems and all accessories
- Supply and install a new sawdust collector complete with spark arrestor system (6000 CFM), exhaust air system and connect to Owner supplied equipment
- Existing heating equipment and accessories are to remain
- Refer to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

4.28 Classroom - Learning Resources

- Supply and install new supply and return air duct, diffusers/grilles and all accessories to serve new room layout. New ductwork to be connected to the existing building systems
- Refer also to General Scope Applicable to All Proposed Areas of Renovation - Existing and New Mechanical Requirements

APPENDIX C
ELECTRICAL
FEASIBILITY STUDY &
CONCEPT DESIGN

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• Hamilton Wentworth District School Board

Westdale Secondary School

Electrical Services Feasibility Study & Concept Design

Project Number
GR8-00014230-00

Prepared By:
George Matsis, P.Eng.
Michel Ouellet

Date Submitted
November 25, 2015

TABLE OF CONTENTS

1.0 INTRODUCTION

The existing Westdale Secondary School was opened in 1930 and is located at 700 Main Street West, in Hamilton, Ontario.

The Hamilton-Wentworth District School Board is proposing to renovate the existing Science Laboratories, Washrooms, Showers, Administration Office spaces, Technology Labs (Shops), Cafeteria, Library and to create new Classrooms, Staff Room, Special Education Classrooms, Student Lounge by renovating existing space and add a new Entrance Vestibule.

This report documents the feasibility and the proposed electrical systems that are consistent with and anticipated for, the proposed renovations.

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- Ontario Building Code (OBC)
- Ontario Fire Code (OFC)
- Ontario Electrical Safety Code (OESC)
- IES Recommended Practices and Guidelines
- ASHRAE/IES 90.1, Energy Efficient Design of New Buildings Except Low-Rise Residential Buildings
- Hamilton-Wentworth District School Board Design Guidelines

3.0 GENERAL ELECTRICAL CONSTRUCTION SCOPE - ALL AREAS OF RENOVATIONS

3.1 Selective Demolition of Existing Electrical Systems

Unless noted otherwise, all existing electrical systems in the areas of renovation will be disconnected and removed. This includes all power distribution equipment and cabling, branch circuit wiring/conduit, selected fire alarm system devices, public address system, lighting, lighting controls, receptacles, communication outlets, CCTV cameras, music, security systems and wiring for mechanical equipment.

Existing electrical systems that are to be demolished will be disconnected and removed back to source. Where the removed devices are deemed suitable, they will be relocated/re-used.

Existing master clock system and clocks will remain and be reused/relocated as required.

Refer to Architectural Demolitions Plans for Rooms/Areas being renovated.

3.2 Electrical Power & Distribution

.1 Primary Power Supply

The proposed renovations are not expected to result in any net electrical peak demand load growth and as a result, the existing incoming electrical service supply will remain as is.

.2 Power Distribution

Refer to the selective demolition section of this Report.

Unless indicated otherwise, existing 600/347V and 120/208V power distribution, lighting and receptacle panelboards will remain.

New electrical panelboards will be provided in all new General Science Rooms, Science Labs, Technology Labs (Shops), Hospitality Suite and Cafeteria Servery. Refer to Typical Room Specific Electrical Requirements section of this Report.

New panelboards will be fed from existing distribution panels.

All new panelboards will be complete with copper bus.

Conductors for all new feeders will be copper.

.3 Branch Circuit Wiring

Branch circuit wiring systems will be provided throughout all areas of renovation to all new loads as well as existing-to-remain loads as required. Conductors for all branch circuit wiring will be copper. Loads will typically be supplied with power from the nearest panelboard.

.4 Receptacles

Receptacles will be provided throughout the areas of renovation as required for equipment, housekeeping and convenience and also as required by Codes and Standards. Refer to the Typical Room-Specific Electrical Requirements section of this Report.

3.3 Fire Alarm System

Refer to Selective Demolition section of this Report.

The Building is equipped with an existing two-stage, non-addressable, Edwards fire alarm system complete with a Custom 6500 Series control panel, remote annunciator, initiating devices and, audible signalling devices (bells).

Since the existing main Control Panel located in the existing Custodial Office in the Basement cannot be upgraded to accept new devices, it will be replaced along with the existing annunciator panel with new panels.

Existing-to-remain fire detectors, pull stations, signalling devices, etc., outside of the renovated areas and not affected by the renovations will be reconnected to the new Control Panel. New devices (including strobe visual signalling devices) will be added as required in the areas of renovation, in order to ensure compliance with Codes, Standards and Guidelines, i.e.:

- Manual pull stations (2-stage) at all required exits
- Heat detectors in all Utility, Service and Storage Rooms
- Visual signal appliances (i.e. strobes) in all public areas and areas with high ambient sound levels

- The entire system will be tested and verified as per Code requirements

3.4 Lighting

Refer to the Selective Demolition section of this Report.

Unless noted otherwise, all existing lighting systems outside the areas of renovation and not affected by the renovations will remain. New lighting systems and controls will be provided as required in the areas of renovation,

Existing luminaires that are to be removed will be disconnected and removed from site. Lighting ballasts containing PCBs, if found during the Demolition phase, will be disposed of in accordance with Ministry of Environment regulations.

.1 New Lighting Systems - Interior

All new lighting will utilize energy efficient dimmable LED lamp technology in order to provide daylight harvesting where required and for dimming of classrooms lighting during Audio Visual presentations. High colour rendering, warm and neutral white LED's will be specified as appropriate to suit each application.

Luminaires suitable for use with a 120V power supply will be used.

In general, new interior lighting systems will be provided for the areas of renovation. Lighting systems will be integrated with the building architecture as much as possible. Luminaires that cannot be concealed within an architectural element will be well shielded using either a frosted white or prismatic refracting lens.

Refer to Typical Room Specific Electrical Requirements section of this Report.

.2 Lighting Controls

In general, lighting controls with multi-level control will be provided in accordance with the Codes, Standards and Guidelines.

Except for Washrooms, low voltage lighting control system comprised of switches, vacancy sensors and a dimmable daylight control strategy will be specified on all renovated Rooms/ Areas in accordance with ASHRAE/IES 90.1 Standards.

Washrooms will be equipped with occupancy sensors for automatic On/Off of the light fixtures.

.3 Emergency Lighting and Exit signs

Emergency Lighting and Exit signs will be provided in the areas of renovation as required in order to satisfy the requirements of the Ontario Building Code. Emergency lighting systems will consist of battery units and remote heads as required to meet Code requirements.

Exit signs will be LED "green running man" pictogram type.

3.5 Miscellaneous Electrical Work

.1 Communication Cabling (IT/Voice)

Refer to the Selective Demolition section of this Report.

Existing Network/Voice incoming service (fibre optic [FO] cable) will remain.

The existing horizontal copper cabling distribution is comprised of one (1) Main IT Closet on the First Floor and Satellite Racks with Network switches and patch panels located in various rooms throughout the School. The Main IT Closet will remain however any Satellite Racks located within the areas of renovation will be relocated and upgraded as required to accommodate the renovations and the new cabling requirements. Refer to Typical Room Specific Electrical Requirements section of this Report.

Existing wireless (Wi-Fi) access point devices, currently located throughout the School, including in Classrooms, Labs, Shops, Library and Cafeteria, will remain and be reused.

New Cat. 6e cables will be run from the new outlets that are required in the areas of renovation, to the IT Closet or nearest existing satellite rack located on the same floor as the outlet.

.2 Clock Systems

Refer to Selective Demolition section of this Report.

The building is currently equipped with an existing 120 VAC synchronous impulse type master clock system located in the First Floor Main Office that operates various 120V synchronous impulse type secondary clocks throughout the School. This system will remain and be reused. New clocks will be added as required and be connected to the existing system

.3 Emergency Call Systems (Washrooms)

In accordance with the School Board Design Guidelines, an emergency call system (tone/visual type) will be provided for Orthopedic Washroom in the Graduated Support areas and in all Staff Washrooms. An emergency call station located adjacent the toilet complete with corridor indicating light will be installed outside the Washroom. Calls will be annunciated at a new annunciator that will be located at the First Floor Main Office.

.4 Public Address and Program Bell System

Refer to the Selective Demolition section of this Report.

The School is currently equipped with an existing P/A & Program Bell System complete with speakers throughout the School that will remain and be upgraded as required in order to accommodate the work associated with the proposed renovations

The main control console is located in the Main Office on the First Floor.

New speakers complete with integral call switch will be provided in all new Classrooms, Labs, Science Rooms, Staff Lounge, Teacher's Workrooms, Hospitality Suite, Graduate Support areas and Shops.

.5 Wiring For Mechanical Equipment

Refer to the Selective Demolition section of this Report.

Motor starters, variable frequency drives, disconnect switches, power and control wiring will be provided for any new mechanical equipment that is required. Refer to the Mechanical Services Feasibility Study and Concept Design Brief, for information regarding such equipment.

.6 Security System

Refer to the Selective Demolition section of this Report.

The School is currently equipped with a security system comprised of a main control panel located in the Custodial Office in the Basement, key pads and door status/monitoring contacts at exterior doors. This system will remain and be upgraded as required.

Unless noted otherwise, existing door status/monitoring contacts outside of areas of renovation and not affected the renovations will remain.

New door status/monitoring contacts will be added as required at Exterior Doors and Staff Rooms and connected to existing system.

.7 Closed-Circuit Television System (Security Cameras)

The School is currently equipped with a system comprised of existing head-end equipment located in the IT Closet on the First Floor and cameras located in Corridors. This system will remain as is since it does not appear that this system will be affected by the renovations.

.8 Modular Control Panels

New surface mounted panels will be provided near each Room main entrance door complete with duplex receptacles, data and telephone outlets, public address speaker, light switches, clock, telephone handset and thermostat in all of the renovated Classrooms, Labs, Science Rooms, Hospitality Suite, Technology Labs (Shops), Seminar Rooms, Teacher's Workrooms and Graduated Support areas.

.9 Seismic Restraint Systems

All electrical systems will be seismically braced to comply with the OBC if it is determined that it is required for this site/building. If seismic restraint systems are required, they shall include lateral supports for all suspended systems and lateral seismic resistance for all vibration isolation and fixed mounted equipment.

3.6 Typical Room-Specific Electrical Requirements

.1 Washrooms

All renovated Washrooms to be complete with the following:

- Surface mounted lighting fixtures
- Ceiling mounted occupancy sensors for automatic On/Off of lighting
- Infrared hands-fee sinks, toilets and urinals
- One (1) hand dryer per four (4) stalls

.2 Showers

- Surface mounted lighting fixtures
- Controls from occupancy sensors in adjacent Change Rooms

.3 Office Spaces

- Recess mounted lighting fixtures

.4 Seminar Room

- Recessed lighting fixtures
- Receptacles and communication outlets along perimeter walls as required
- Receptacles and data outlets for the following:
    - Overhead projector
    - Interactive Board/Monitor
    - Wireless (Wi-Fi) access point

.5 Cafeteria

- Recessed lighting fixtures

.6 Cafeteria Expansion and Student Lounge

- Recessed lighting to match new lighting in renovated Cafeteria
- Receptacles and data outlets along perimeter walls as required
- Wireless (Wi-Fi) access point in Student Lounge

.7 Cafeteria Servery Renovation/Relocation

- Recessed lighting fixtures
- Dedicated 120/208V-3∅-4W Panel for Kitchen equipment
- Dedicated 125/250V receptacle for each Kitchen Range
- Dedicated receptacles/direct connections for Kitchen Equipment
- Exhaust hood
- Fire suppression system
- Housekeeping receptacles
- Ceiling mounted public address system speaker

.8 Technology Labs (Shops)

- Suspended direct/indirect linear light fixtures.
- Spray Booth lighting and controls for Automotive Shop
- Duct collector for Wood Shop
- Dedicated 120/208V-3 phase-4 wire and 600V-3 phase-3 wire electrical panels complete with emergency Power-Off pushbuttons for Shop equipment only
- Power connection for motorized blinds
- Power and data cabling connection for motorized display screen, overhead projector and interactive board.
- Power connections for overhead doors
- Power reels
- Receptacles and data outlets perimeter walls as required
- Three (3) receptacles (20A/120V) at each student workstation

.9 Staff Lounge

- Recessed lighting fixtures
- Power Connections/Receptacle for the following equipment:
  - Dishwasher
  - Refrigerator
  - Stove (120/240V)
  - Three (3) Microwave Ovens
- Eight (8) receptacles and eight (8) data outlets along perimeter walls.
- Receptacles and data outlets for the following:
  - Overhead Projector
  - Interactive Board
  - TV
  - Wireless (Wi-Fi) Access Point

.10 Engineering/Robotics Classrooms

- Refer to Technology Labs (Shops)

.11 Engineering/Robotics Staff Offices & Storage

- Recessed lighting
- Receptacles and data outlets as required at Staff Desks
- Wireless (Wi-Fi) Access Point

.12 Communication Technology Lab (TV & Communication Art)

- Recessed lighting fixtures and track lighting.
- Ten (10) receptacles and ten (10) data outlets along perimeter walls.
- Power and data connection of TV Studio equipment.
- Receptacles and data outlets for the following:
  - Overhead Projector
  - Interactive Board/Monitor
  - Printers
- Two (2) receptacles and two (2) data outlets at Teacher's/Demo Desk.

- One (1) receptacle at each Student Desk.

.13 Science Labs/Prep Rooms/Classrooms

- Suspended direct/indirect light fixtures.
- Dedicated 120/208V-3 phase-4 wire electrical panel complete with emergency Power-Off pushbuttons.
- Eight (8) receptacles and eight (8) data outlets along perimeter walls.
- Ground Fault Interrupter receptacles at each Lab Station and Teacher Desk/Demo Station. Power to receptacles to be controlled from Teachers Desk.
- Power to Gas Shut-Off valve with interlock to Fire Alarm System.
- Receptacles and data outlets for the following:
  - Overhead Projector
  - Interactive Board
- Two (2) receptacles and two (2) data outlets at Teacher's Desk.
- One (1) data outlet at each Lab Station.

.14 Classrooms

- Suspended direct/indirect linear lighting.
- Eight (8) receptacles and eight (8) data outlets along perimeter walls.
- Four (4) receptacles for Tablet charging.
- Six (6) floor-mounted receptacles.
- Receptacles and data outlets for the following:
  - Overhead Projector
  - Interactive Board/Monitor
- Two (2) receptacles and two (2) data outlets at Teacher's Desk.

.15 General Sciences Rooms

- Refer to Classrooms

.16 Library

- Recessed lighting fixtures.

- Receptacle on perimeter walls at every 15 feet.
- Wall mounted surface raceway complete with receptacles and data outlets to accommodate fifteen (15) computer stations.
- Eight (8) receptacles and eight (8) data outlets at each Circulation Desk.
- Power connection for motorized blinds.
- Receptacles and data outlets for the following:
    - Overhead Projector
    - Interactive Board/Monitor
    - TV

.17 Library Office/Resource/Storage Room

- Recessed lighting fixtures.
- Receptacles and data outlets as required
- Wireless (Wi-Fi) Access Point

.18 Seminar Room

- Recessed lighting fixtures.
- One (1) receptacle and one (1) data outlet on each wall.
- Receptacles and data outlets for the following:
    - Overhead Projector
    - Interactive Board/Monitor

.19 Guidance/Graduated Support Program Areas

- Recessed lighting fixtures.
- Receptacles and communication outlets along perimeter walls.
- Three (3) Receptacles and communication outlets at each Guidance Desk/Station
- Receptacles and communication outlets for the following
    - Overhead Projectors
    - Interactive Board/Monitor
    - TV
- Modular control panel
- Wireless (Wi-Fi) Access Point

- Access control system (card reader)

.20 Hospitality Suite

- Recessed lighting fixtures.
- Receptacles and communication outlets along perimeter walls for general/student use
- Dedicated 120/208V-3∅-4W electrical panel for cooking/kitchen equipment
- Three (3) 20A-1P receptacles at counter height at each Kitchen Demonstration Station
- Two (2) 15A-1P receptacles and two (2) communication outlets at each Kitchen Demonstration Station
- One (1) 15A-1P dedicated receptacle at each Kitchen Demonstration Station
- Receptacle for each Microwave
- Dedicated 125/250V receptacle for each kitchen range
- Receptacles and communication outlets for the following
    - Overhead Projectors
    - Interactive Board/Monitor
- Modular control panel
- Access control system (card reader)

.21 Teachers' Workroom

- Recessed lighting fixtures
- Receptacles and Communication Outlets along perimeter walls for general use
- Two (2) Receptacles and two (2) Communication Outlets at each Workstation
- Receptacles and communication outlets for the following
    - Overhead Projector
    - Interactive Board/Monitor
- Wireless (Wi-Fi) access point
- Modular control panel

.22 CAAD Lab

- Suspended direct/indirect lighting fixtures.

- Receptacles and communication outlets along perimeter walls as required for general use
- Two (2) Receptacles and two (2) communication outlets at each Workstation.
- Receptacles and communication outlets for the following
    - Overhead Projector
    - Interactive Board/Monitor
- Wireless (Wi-Fi) access point
- Modular control panel

.23 Storage Room

- Surface mounted lighting fixture
- Three (3) Receptacles

.24 Staff Washroom

- One (1) electric hand dryer
- One (1) GFCI Receptacle
- Public Address speaker in ceiling
- Recessed LED downlight for general lighting and LED cove lighting over Vanity and mirror as required

.25 New Corridor

- Recessed lighting fixtures (10% un-switched for night light)
- Fire alarm smoke detector and audible/visible devices as required
- Exit signage as required
- Receptacles along walls at 6 metre spacing
- Public Address speakers as required

.26 New Rear Vestibule

- Recessed lighting fixtures
- Emergency Lighting
- Automatic door operators

- Fire alarm signalling devices
- New security system door status monitoring contacts

.27 Construction Shops One and Two

- Refer to Technology Labs (Shops)

.28 Integrated Tech Lab

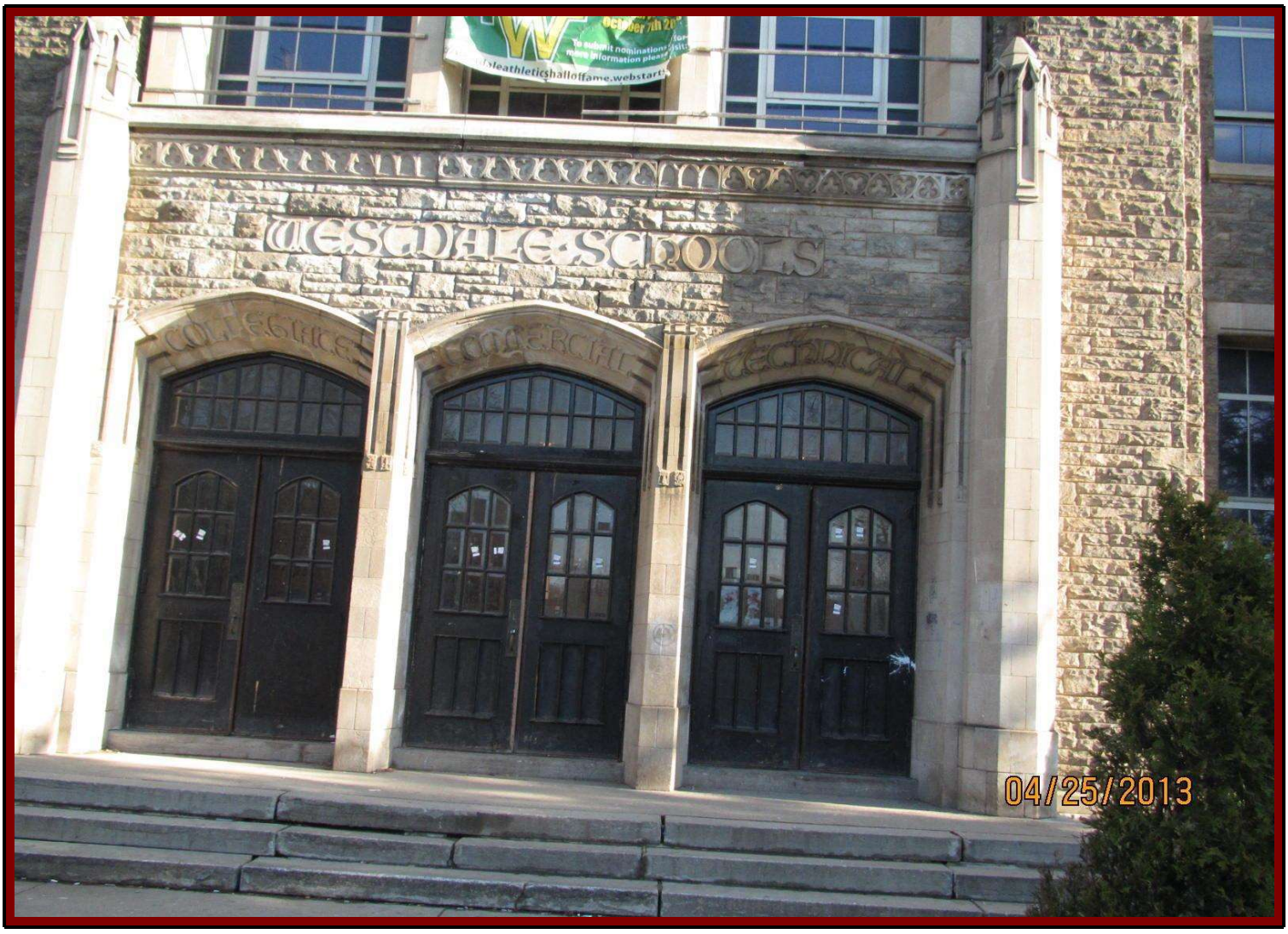
- Refer to Technology Labs (Shops)

APPENDIX D
CONDITION ASSESSMENT

Hamilton-Wentworth District School Board

Condition Assessment

Westdale, Building ID 9158-1



Facility Name (SFIS)	Westdale
Ministry Building Number	9158-1
GFA (m2)	22242
Year Built by Original/Additions	1930
Replacement Value - OTG	$37,553,900
Official FCI (%)	17.40
Comparable FCI (%)	33.79
Asset Address	700 Main Street West
Asset City	Hamilton
Asset Postal Code	L8S1A5
-- ACCESSIBILITY CHECKLIST --	----------
Designated parking space	Yes
Path of travel to the main entrance door.	Yes
Designated entrances	Yes
Path of travel to all floors/elevations.	Yes
Elevator	Yes
Instructional spaces entrance doors.	Yes
Fire policy and fire safety plan	Yes
Fire alarm system with strobe and audible signals	No
Communal washrooms	Yes
Designated washroom	Yes
-- ENERGY CHECKLIST --	----------
Energy efficient boiler	Yes
Energy audit report	No
Energy efficient domestic hot water heater	No
Energy efficient recovery system	Yes
Energy efficient HVAC pumps and fan motors	No
Energy efficient interior lighting	Yes
Building Automation System	Yes
Energy efficient faucets	No
Energy efficient urinals and toilets	No
Architectural and Site Assessor	Ramin Saeedi
Mechanical and Electrical Assessor	Mark Pantchevski

How to read the final report

The Final Report contains assessment information for 5 years for this facility.

Asset details reported are either populated from the SFIS system (e.g. GFA, year built etc) or calculated based on Ministry's criteria (e.g. Replacement Value – OTG, Official FCI, Comparable FCI etc).

Accessibility and Energy assessment lists are provided in a yes/no format. For a full description of accessibility/energy definitions please check the TCPS database, Asset Narratives, under the Narratives Tab.

Asset Narratives include the following:

- Architectural & Structural Summary –a brief summary of the asset including construction dates and areas of the original and additions. A brief description of the structure, the exterior wall system, the roof assembly system and the building interiors.
- Mechanical Summary – a brief summary of the mechanical systems.
- Electrical Summary – a brief summary of the Electrical systems.
- Site Summary – a brief summary of the Site systems.
- Limitations – a summary of the scope of work and the Tactical Planning Window.

Building Elements listed are only the ones that require replacement in the next 5 years; their condition is Critical if failed or risk of imminent failure is observed, or Poor if it is not functioning as intended with significant repairs within the next two (2) years, or Fair if normal deterioration and minor distress is observed requiring repairs within three (3) to five (5) years.

2011-2015 Cost and Year information is a snapshot from the assessment and cannot be edited in TCPS.

2011-2015 Priority is the value of the Event priority calculated when the assessment data was imported in TCPS and stored in this read-only field.

Estimated Cost and Fiscal Year are values that can be edited at any time by end users.

Event Priority is a field populated with labels like Urgent, High, Medium and Low based on the Event Priority Value. This value is calculated based on the Element Type and Element Condition.

Photos are provided at the event level: old photos are suffixed with the world "Old", new photos are suffixed with the date of assessment.

A copy of this report in PDF format is saved in the TCPS database. You can access it by selecting the Asset Instance in Data Manager and opening this report in PDF format from the Document Tab.

1. Architectural & Structural Executive Summary

Westdale SS Building ID-9158-1was assessed on April 26, 2013 by VFA is located at 700 Main street West, Hamilton, Ontario. The original facility is a four story structure of block construction without basement. The original building is constructed in 1930.addition one was added in 1959.Addition two was completed in 1975.

The size of the building is 22,241 square meters. The Building sits on a 5.00 hectares site. Where visible, mainly in the GYM, workshops, and Cafeteria, the structure of the school are of Metal roof decking, steel trusses, steel joists and load bearing masonry. It was indicated that the majority of the roof coverings has been done in 2008.

The interior finishes consist of terrazzo, mainly vinyl composite tiles, ceramic tiles, hard wood flooring, painted masonry and gypsum board walls and, gypsum board acoustic ceilings.

The exterior walls of the school are brick veneer and Pre-cast concrete finished assembly.

Typical spaces in the school include auto shops, wood shop, library/resource center, music room, theater art class, gymnasiums, weight room, computer rooms, science labs, administration office, and mechanical service space and general instructional classrooms.

2. Mechanical Executive Summary

2013 - Overall, the mechanical equipment is in fair condition.

Heating for Westdale Secondary School is provided by five gas fired hot water boilers updated in 2008. The boilers provide hot water to perimeter fin tube radiators, force flow heaters, unit ventilators and glycol heat exchangers which supply the heating coils of the AHUs. There are two air handlers which supply heating and ventilation to the auditorium and gym. Additional HVAC to the school is provided by four RTUs which provide heating, cooling or both. Two rooftop air handlers have built in HRVs and service the cafeteria and library. One split system condenser located in the courtyard provides supplemental cooling for the school. The remaining ventilation is provided by rooftop exhaust fans and various internal exhaust fans.

Domestic hot water is provided by a gas fired boiler and two water storage tanks, which service the entire school.

The building's HVAC systems are controlled by a building automation system with Direct Digital Controls.

The school has one elevator serving five floors which was not in service at the time of assessment. A handicap lift services the auditorium stage. Both conveying devices are in good condition.

Fire protection for the school is provided by a standpipe system and fire extinguishers.
Comments on exceptions: Based on age of components and observed site conditions the following mechanical equipment has exceeded their theoretical useful life and will require replacement within the tactical planning window.

- Plumbing fixtures are aged and in fair condition.

- Eye wash stations are aged and in poor condition.

- Domestic water distribution is aged in poor condition and a study is recommended.

- Sanitary waste distribution is aged in poor condition and a study is recommended.

- Rain water drainage distribution is aged in poor condition and a study is recommended.

- Exhaust fans are aged and in fair condition.

- Standpipe system in the school is aged and in fair condition.

- The standpipe fire hoses are aged and in poor condition.

- The fire extinguishers are aged and in poor condition.

- The two dust collectors are aged and in poor condition.

- The mechanical utilities are aged and in poor condition.

3. Electrical Executive Summary

2013 - Electrically Westdale Secondary School is in fair condition.

The main and secondary switchboards are reportedly original to 1959. The fire alarm system includes an Edwards 6500 panel, pull stations, smoke detectors, audio strobes, conduit, wire and connections.

Emergency lighting is provided by hard wired lighting fixtures connected to a centralized battery bank. The interior lighting within the building is in good condition with CFLs, incandescent lamps and T8 lamps with electronic ballasts. Exterior lighting is provided by wall mounted HID fixtures and light standards for the school perimeter. Exit lighting is in good condition.

Security system includes a panel, motion detectors, sensors, CCTV and keypads.

The communications system is in good condition.
Comments on exceptions: Based on age of components and observed site conditions the following electrical equipment has exceeded their theoretical useful life and will require replacement within the tactical planning window.

- The main switchboard is aged and in fair condition.

- The secondary switchboard is aged and in fair condition.

- Branch wiring in the original building and addition 1 is original, in fair condition and a study is recommended.

- Exterior lighting is aged and in poor condition.

- Emergency lighting is aged and in fair condition.

- The fire alarm system is aged and in fair condition.

- The emergency battery bank system is aged and in poor condition.

- The school's electrical utilities are aged and in poor condition.

4. Site Summary

2013-The site at Westdale SS is bounded by play field, on the north, Paradise Drive to the east, Longwood Road on the west and, Main Street on the south of the site.

Typical walkways service the site, with asphalt concrete landing or stairs at most building entrances.

A six foot high chain link fence marks the perimeter of the site; there is a wall mounted sign on top of the main entrance facing south of the building which displays school name; the building access off Longwood Road and there are paved parking at north of the site.

Definitions for Energy Checklist

Energy audit report: An ASHRAE Level I energy audit report was completed within the last three years.

Energy efficient boiler: The energy efficient boiler provided is a condensing boiler installed within the last five years or is energy star rated.

Energy efficient domestic hot water heater: The energy efficient domestic hot water heater provided is direct or power vented natural gas fired or has an electric heat coil.

Energy efficient recovery system: The building is provided with a Heat Recovery Unit (HRU).

Energy efficient HVAC pumps and fan motors: The energy efficient HVAC pumps and fan motors are reportedly provided with a variable frequency drive.

Energy efficient interior lighting: The provided interior lighting is controlled by motion sensors or building automation system and/or the interior light fixtures are provided with T8 or T5 fluorescent lamps and electronic ballast.

Building Automation System: The building has a comprehensive Direct Digital Control (DCC) automation system to monitor and control the mechanical system.

Energy efficient faucets: Approximately 50% of the lavatory faucets are provided with aerators and motion sensors.

Energy efficient urinals and toilets: Approximately 50% of the urinals and toilets are provided with a low flow flush valve (less than 1.6 gpf)

Definitions for Accessibility Checklist

Designated parking space: The provided designated Barrier Free Accessible parking space is a minimum 2,400 mm wide and is clearly marked with an accessibility sign.

Path of travel to the main entrance door: The provided accessible path of travel from the designated Barrier Free Accessible parking space to an accessible building entrance is a minimum 910 mm wide and includes curb cuts and ramps

Designated entrances: The provided designated Barrier Free Accessible entrance is a minimum 850 mm wide to allow a mobility device, clearly marked with an accessibility sign and is provided with an automatic door open device.

Path of travel to all floors/elevations: The Barrier Free Accessible path of travel is provided with either an accessible ramp or a vertical transportation device where a floor or an elevation difference exists.

Elevator: The provided Barrier Free Accessible Elevator has the following: clear audible communication indicating floors and up/down direction; doors, which open long enough and a minimum 900 mm wide; and a control panel, which is provided with Braille and an emergency call system and where the top is at a maximum height of 1,400 mm above floor.

Instructional spaces entrance doors: The instructional spaces are provided with an entrance door which is a minimum of 850 mm wide.

Fire policy and fire safety plan: Fire policy and fire safety plans are reportedly in place for the evacuation of people with disabilities.

Fire alarm system with strobe and audible signals: Fire alarm system is reported to include strobe lights and audible signals

Communal washrooms: There is a Barrier Free Accessible washroom stall, which is a minimum of 1,500 x 1,500 mm, in the each boys and girls washroom on each accessible floor.

Designated washroom: A designated Barrier Free Accessible washroom is provided on each floor, and is equipped with the following: an automatic door open device; grab bars; emergency call button; lever handle or motion sensor faucets; and a lavatory, where an insulated knee space is provided and the height of lavatory top is a maximum of 815 mm above the floor.

Limitations

This report has been prepared to meet the Ministry of Education (EDU) objectives for the Condition Assessment Program for Educational Facilities in Ontario. The purpose of the Condition Assessment Program was to assess the current physical condition of the schools and associated site features, and to validate information currently contained in the online capital renewal database software Total Capital Planning Solution (TCPS).

The validation of data was limited to a five year period, which is defined as the current assessment year plus four years. Information contained in the database beyond this period was not validated or reviewed.

The provided event costs are intended for global budgeting purposes only. The event costs were adjusted to include regional factors and were based on an approved unit cost list. Actual event costs for the work recommended may differ since the event costs can only be determined after preparation of tender documents, which would consider: specific design conditions, site restrictions, effects of

ongoing building operations and construction schedule. The approved cost threshold for the Condition Assessment Program is $ 10,000.

Barrier Free Accessibility and Energy Conservation Measures assessments were limited to a preapproved checklist presented on Page 2. The assessment of portables (classrooms not integrated with the building envelope), solar photovoltaic panels, other solar energy collectors, wind turbines, sheds, less than 45 sq.m., play-equipment/structures, score boards, goal posts and flag poles, fire extinguishers, decommissioned swimming pools, window coverings, black/white boards, benches, gymnastic equipment and the appropriateness of room space were excluded from the scope of work. Information related to these components contained in the database was not updated to reflect condition observed. Information related to events which are either planned or in progress, and currently locked were not updated.

All Elements

B SHELL

B20 Exterior Enclosure

B2010 Exterior Walls

Element Instance : B2010 Exterior Walls - Original Building

Description 2013 - Exterior brick veneer wall with CMU backup walls.

Condition Assessment 2013 - At the time of the assessment the exterior brick veneer walls is in fair condition. Signs of deterioration with spalling brick and deteriorated mortar joints.

Last Replacement Year	1930
Theoretical Life	75
Technical Condition	Fair

Major Repair[B2013 Exterior Walls- Original Building]

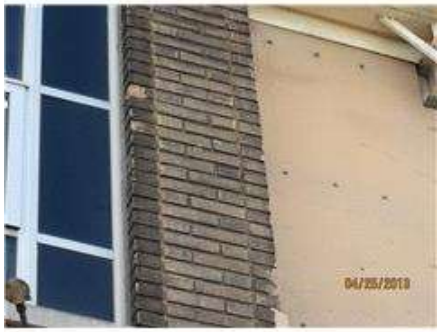
Event Type: Major Repair Priority: High

Brief Description	Major Repair[B2013 Exterior Walls- Original Building]
Estimated Cost	$42,840
Fiscal Event Year	2015
2011-2015 Cost	$42,840
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation 2013 - The exterior brick veneer walls are showing signs of deterioration on all facades of the building. Repointing and brick replacement is necessary as to maintain the integrity of the building envelope.

Apr 2013- Spalling brick on the north facade on the building.

Apr 2013- Spalling bricks on the facade.



B2030 Exterior Doors

Element Instance : B2030 Exterior Doors

Description 2013 - Exterior painted wood doors and frames with single glazed non tempered vision lite.

Condition Assessment 2013 - The majority of the exterior door assemblies are original, with worn finish, damaged frames, deteriorated door seals, single glazed vision lites and have exceeded their effective design rated life.

Last Replacement Year	1930
Theoretical Life	27
Technical Condition	Fair

Replacement [B2030 Exterior Doors]

Event Type: Replacement Priority: High

Brief Description	Replacement [B2030 Exterior Doors]
Estimated Cost	$72,994
Fiscal Event Year	2015
2011-2015 Cost	$72,994
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation 2013 - The majority of the exterior door assemblies are original and have exceeded their effective design rated life. Replacement of the door assemblies is recommended.

Apr 2013- Typical Original exterior door.

Apr 2013-Damaged exterior door.

Apr 2013- Deteriorated exterior door.

Element Instance : B2030 Exterior Doors

Description	2013 - Exterior door hardware consists of panic bars, push bars, butt hinges and door pulls
Condition Assessment	2013 - At the time of the assessment the exterior door was in fair condition, showing signs of wear and tear due to use

Last Replacement Year	1930
Theoretical Life	15
Technical Condition	Fair

Replacement [B2030 Exterior Doors]

Event Type: Replacement

Priority: High

Brief Description	Replacement [B2030 Exterior Doors]
Estimated Cost	$29,198
Fiscal Event Year	2015
2011-2015 Cost	$29,198
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation

2013 - It is recommended that the exterior door hardware should be replaced at the time the exterior doors are replaced.

Apr 2013- Worn exterior door hardware.

Apr 2013- Worn exterior door push bar.

C INTERIORS

C10 Interior Construction

C1020 Interior Doors

Element Instance : C1020 Interior Doors

Description

2013 - These include all doors within the building except for those through the perimeter walls are Interior Doors. They are constructed of hollow metal with a paint finish, wood with a natural, or paint finish. They are often provided with glazed vision or half panels.

Condition Assessment

2013 - At the time of the assessment the interior doors were in fair condition, they were showing signs of age and they had past expected useful life.

Last Replacement Year	1930
Theoretical Life	25
Technical Condition	Fair

Replacement [C1020 Interior Doors]

Event Type: Replacement

Priority: Medium

Brief Description	Replacement [C1020 Interior Doors]
Estimated Cost	$189,784
Fiscal Event Year	2016
2011-2015 Cost	$189,784
2011-2015 Priority	Medium
2011-2015 Year	2016

Recommendation

2013 - The interior doors have exceeded their effective design rated life with the majority of the doors exhibiting damage. Replacement of the interior doors is recommended.

Apr 2013- Original natural wood finish interior door.

Apr 2013- Scratched painted hollow metal interior door.

Apr 2013- scratched interior door.

Element Instance : C1020 Interior Doors

Description 2013 - Interior door hardware consists of push bars, push plates, butt hinges and door closers

Condition Assessment 2013 - At the time of the assessment the interior door hardware was in poor condition

Last Replacement Year	2008
Theoretical Life	15
Technical Condition	Fair

Replacement [C1020 Interior Doors]

Event Type: Replacement Priority: Medium

Brief Description	Replacement [C1020 Interior Doors]
Estimated Cost	$94,893
Fiscal Event Year	2016
2011-2015 Cost	$94,893
2011-2015 Priority	Medium
2011-2015 Year	2016

Recommendation 2013 - Recommend replacing all interior door hardware at the same time the doors are replaced.
OLD-The age of the interior door hardware is consistent with the interior door. Problems with door closures were indicated. Damaged door hinges, obsolete and corroded door hardware was identified. Replacement of the interior door hardware along with interior door is recommended.

apr 2013- Typical interior door knob lock set.

Apr 2013- Typical interior door push bar.

Apr 2013- Typical interior door closer.

C1030 Fittings

Element Instance : C1030 Fittings

Description	2013 - Interior Classroom millwork and cabinetry
Condition Assessment	2013 - At the time of the assessment the millwork and cabinetry was in fair condition but was showing signs of wear and tear.

Last Replacement Year	1930
Theoretical Life	20
Fittings Type	Unspecified
Technical Condition	Fair

Replacement [C1030 Fittings]

Event Type: Replacement Priority: Medium

Brief Description	Replacement [C1030 Fittings]
Estimated Cost	$204,384
Fiscal Event Year	2015
2011-2015 Cost	$204,384
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation

2013 - Recommend that the original millwork and cabinetry be replaced as soon as possible

Apr 2013- Typical classroom millwork fitting.

Apr 2013- Damaged/stained millwork fitting.

Element Instance : C1030 Fittings - Original Building

Description

2013 - Painted metal floor mounted toilet partitions situated in two washrooms of the original building.

Condition Assessment

2013 - At the time of the assessment the painted metal toilet partitions are original and are showing signs corrosion, damage worn finish and unreliable or missing hardware.

Last Replacement Year	1959

Theoretical Life	15
Fittings Type	Unspecified
Technical Condition	Fair

Replacement [C1030 Fittings - Original Building]

Event Type: Replacement

Priority: Medium

Brief Description	Replacement [C1030 Fittings - Original Building]
Estimated Cost	$102,191
Fiscal Event Year	2015
2011-2015 Cost	$102,191
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation

2013 - The original floor mounted painted toilet partitions have exceeded their effective rated design life. Replacement is recommended.

Apr 2013- Painted original washroom partition.

Apr 2013- Washroom partition.

C20 Stairs

C2010 Stair Construction

C201001 Interior Stair Construction

Element Instance : C201001 Interior Stair Construction

Description 2013 - Interior stair frames and treads

Condition Assessment 2013 - At the time of the assessment the interior stairs were in fair condition, the treads were worn and there was signs of corrosion on the framework

Last Replacement Year	2007
Theoretical Life	43

Technical Condition Fair

Replacement [C201001 Interior Stair Construction]

Event Type: Replacement Priority: High

Brief Description	Replacement [C201001 Interior Stair Construction]
Estimated Cost	$394,167
Fiscal Event Year	2015
2011-2015 Cost	$394,167
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation 2013 - Replacement of initial flight of the interior stairs including the rubber covering is recommended

Apr 2013- Typical interior stairs finish.

Apr 2013- Worn interior stairs finishes.

C30 Interior Finishes

C3010 Wall Finishes

Element Instance : C3010 Wall Finishes - Original Building

Description 2013 - The typical painted wall finishes on CMU and GWB

Condition Assessment 2013 - At the time of the assessment the typical painted wall finish on CMU and GWB walls was starting to look worn from normal day to day use.

Last Replacement Year	2001
Theoretical Life	10
Wall Finishes Type	Unspecified
Technical Condition	Fair

Replacement [C3010 Wall Finishes - Original Building]

Event Type: Replacement Priority: Medium

Brief Description	Replacement [C3010 Wall Finishes - Original Building]
Estimated Cost	$526,163
Fiscal Event Year	2015
2011-2015 Cost	$526,163
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation 2013 - The painted wall finishes throughout the school are starting to look worn from normal day to day use with some faded and peeling areas. Refinishing of the school is recommended.

Apr 2013- Damaged wall covering.

Apr 2013- Peeling paint wall covering.

Apr 2013- Worn/stained wall covering.

Apr 2013- Damaged wall covering.

C3020 Floor Finishes

Element Instance : C3020 Floor Finishes

Description 2013 - Cast in place terrazzo flooring with cove base.

Condition Assessment 2013 - The cast in place terrazzo flooring is showing signs of expansion and settling cracks.

Last Replacement Year	1930
Theoretical Life	75
Floor Finishes Type	Unspecified
Technical Condition	Fair

Major Repair [C3020 Floor Finishes]

Event Type: Major Repair Priority: Medium

Brief Description	Major Repair [C3020 Floor Finishes]
Estimated Cost	$10,710
Fiscal Event Year	2015
2011-2015 Cost	$10,710
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation 2013 - Settlement and expansion cracks are evident from the original construction. Repairs of the cracking is recommended for aesthetic reasons.

Apr 2013- Cracked Terrazzo flooring in the corridor.

Apr 2013- Cracked Terrazzo flooring.

Apr 2013- Cracked Terrazzo flooring.

Element Instance : C3020 Floor Finishes

Description 2013 - Vinyl Composite 12" x 12" floor tile situated in isolated rooms and classrooms in the school.

Condition Assessment 2013 - At the time of assessment the vinyl composite floor tile in some classrooms is showing signs of wear and discoloration.

Last Replacement Year	2008
Theoretical Life	20
Floor Finishes Type	Unspecified
Technical Condition	Fair

Replacement [C3020 Floor Finishes]

Event Type: Replacement

Priority: Medium

Brief Description	Replacement [C3020 Floor Finishes]
Estimated Cost	$255,714
Fiscal Event Year	2015
2011-2015 Cost	$255,714
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation

2013 - The Vinyl Composite floor finish has exceeded its effective design rated life. Replacement of the Vinyl Composite floor finish is recommended as to update the appearance and mitigate any potential health concerns.

Apr 2013- Worn VCT in the Family Classroom.

Apr 2013- Damaged VCT.

Apr 2013- Worn VCT floor covering.

Element Instance : C3020 Floor Finishes - Addition 2 - library

Description 2013 - Carpet floor covering in Library.

Condition Assessment 2013 - At the time of the assessment the carpet floor covering was in fair condition, it was showing signs of age and wear

Last Replacement Year	1996
Theoretical Life	10
Floor Finishes Type	Unspecified
Technical Condition	Fair

Replacement [C3020 Floor Finishes - Addition 2 - library]

Event Type:	Replacement	Priority:	Medium
Brief Description		Replacement [C3020 Floor Finishes - Addition 2 - library]	

Estimated Cost	$87,516
Fiscal Event Year	2015
2011-2015 Cost	$87,516
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation 2013 - Replacement is recommended based on the observed condition.

Apr 2013- Worn carpet floor covering in the Library.

Apr 2013- Stained Carpet in the Library.

Element Instance : C3020 Floor Finishes - Original Building

Description 2013 - Original finished hardwood strip flooring and wood base situated on the GYM and Isolated classrooms on the third floor.

Condition Assessment 2013 - The original hardwood strip flooring is worn, scratched and in poor condition.

Last Replacement Year	1930

Theoretical Life	20
Floor Finishes Type	Unspecified
Technical Condition	Poor

Major Repair [C3020 Floor Finishes - Original Building]

Event Type: Major Repair

Priority: High

Brief Description	Major Repair [C3020 Floor Finishes - Original Building]
Estimated Cost	$686,052
Fiscal Event Year	2015
2011-2015 Cost	$686,052
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation

2013 - The hardwood strip flooring on GYM and Classrooms are in poor condition. Refinishing or replacement of the hardwood flooring is recommended.

Apr 2013- Worn Hard woiod floor covering in the GYM area.

Apr 2013- Worn Hard wood floor covering in the GYM.

Apr 2013- Worn Hard wood floor covering in the office area.

C3030 Ceiling Finishes

Element Instance : C3030 Ceiling Finishes

Description 2013 - 2’ x 4’ acoustical ceiling tiles and grid

Condition Assessment 2013 - At the time of assessment the acoustical ceiling tiles were in fair condition with signs of age and deterioration

Last Replacement Year	1930
Theoretical Life	25
Ceiling Finishes Type	Unspecified
Technical Condition	Fair

Replacement [C3030 Ceiling Finishes]

Event Type: Replacement Priority: Medium

Brief Description	Replacement [C3030 Ceiling Finishes]
Estimated Cost	$430,644
Fiscal Event Year	2015
2011-2015 Cost	$430,644
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation 2013 - The acoustical suspended ceiling tile system is showing signs of wear. Replacement is recommended.

Apr 2013- Stained ACT.

Apr 2013- Stained ACT.

Apr 2013- Broken ACT.

Element Instance : C3030 Ceiling Finishes

Description 2013 - Typical painted finish to the exposed ceiling structure.

Condition Assessment 2013 - The painted exposed ceiling structure is showing signs of peeling paint finish and staining from past roof leaks.

Last Replacement Year	1930
Theoretical Life	15
Ceiling Finishes Type	Unspecified
Technical Condition	Poor

Replacement [C3030 Ceiling Finishes]

Event Type: Replacement

Priority: High

Brief Description	Replacement [C3030 Ceiling Finishes]
Estimated Cost	$427,686
Fiscal Event Year	2015
2011-2015 Cost	$427,686
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation

2013 - The painted finish to the exposed ceiling structure is worn looking. Refinishing is recommended as to update the appearance of the school.

Apr 2013- Water damaged Exposed ceiling in the Gym.

Apr 2013- Water damaged Exposed ceiling in the Gym.

Element Instance : C3030 Ceiling Finishes - Original Building

Description 2013 - Gypsum board ceilings

Condition Assessment 2013 - At the time of the assessment the gypsum board ceilings were in fair condition

Last Replacement Year	1975
Theoretical Life	30
Ceiling Finishes Type	Unspecified
Technical Condition	Fair

Replacement [C3030 Ceiling Finishes - Original Building]

Event Type: Replacement Priority: Medium

Brief Description	Replacement [C3030 Ceiling Finishes - Original Building]
Estimated Cost	$221,340
Fiscal Event Year	2015
2011-2015 Cost	$221,340
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation 2013 - Gypsum board ceilings are original and have passed there EUL and should be replaced

Apr 2013- Peeling paint Gypsum board ceiling.

D SERVICES

D20 Plumbing

D2010 Plumbing Fixtures

Element Instance : D2010 Plumbing Fixtures - entire school

Description

2013 - The washroom plumbing fixtures include vitreous china water closets, lavatories, urinals, wash basins and showers in the change rooms. Classroom sinks and drinking fountains are also provided in various locations.

Condition Assessment

2013 - The majority of the plumbing fixtures appear to be functioning, but are in fair condition. Some fixtures (15%) have been replaced overtime. The majority of the fixtures have surpassed their normal service life and are inefficient. Planning for renewal is recommended.

Last Replacement Year	1930
Theoretical Life	25
Technical Condition	Fair

Replacement - Lab Sinks

Event Type: Replacement

Priority: Medium

Brief Description	Replacement - Lab Sinks
Estimated Cost	$50,000
Fiscal Event Year	2017
2011-2015 Cost	$50,000
2011-2015 Priority	Medium
2011-2015 Year	2017

April 2013 - Aged and Worn Science Lab Sinks

April 2013 - Aged and Worn Science Lab Sinks

Replacement [D2010 Plumbing Fixtures - entire school]

Event Type:	Replacement	Priority:	Medium

Brief Description	Replacement [D2010 Plumbing Fixtures - entire school]
Estimated Cost	$510,000
Fiscal Event Year	2016
2011-2015 Cost	$510,000
2011-2015 Priority	Medium
2011-2015 Year	2016

Recommendation

2013 - Replacement of the original and aged plumbing fixtures in the building (85%) is recommended based on the age, condition and remaining useful life.

April 2013 - Typical Original Floor Mounted Urinals

April 2013 - Typical Aged Bradley Basin

April 2013 - Aged Lavatories

April 2013 - Typical Water Closets

April 2013 - Ages Shower Fixtures - Boys Change Room

D201099 Emergency Fixtures

Element Instance : D201099 Emergency Fixtures - Eye Wash Stations

Description	2013 - The school was a variety of eye wash stations located in mechanical rooms, science classes and chemical storage areas.
Condition Assessment	2013 - The majority of the eye wash stations appear to be over 20 years old and are in poor to fair condition.

Last Replacement Year	1975
Theoretical Life	25
Technical Condition	Poor

Replacement

Event Type:	Replacement	Priority:	High
Brief Description		Replacement	

Estimated Cost	$25,500
Fiscal Event Year	2014
2011-2015 Cost	$25,500
2011-2015 Priority	High
2011-2015 Year	2014

Recommendation

2013 - Replacement of the aged eye wash stations is recommended to ensure functionality in case of emergency.

April 2013 - Aged Eye Wash Station

April 2013 - Aged Eye Wash Station

April 2013 - Aged Eye Wash Station

D2020 Domestic Water Distribution

Element Instance : D2020 Domestic Water Distribution - Original Building

Description

2013 - The building domestic water system includes a main line, water meter, pressure reducer and associated piping and insulation. At the time of assessment the domestic water distribution system was estimated to be original to the dates of construction of the additions and original building.

Condition Assessment

2013 - The domestic piping system is mostly concealed and therefore the current condition is not fully known. However due to the age, the expected wear and the theoretical useful life, the system is assessed as being in fair condition.

Last Replacement Year	1930
Theoretical Life	37
Domestic Water Distribution Type	Unspecified
Technical Condition	Poor

Replacement [D2020 Domestic Water Distribution - Original Building]

Event Type: Replacement

Priority: High

Brief Description	Replacement [D2020 Domestic Water Distribution - Original Building]
Estimated Cost	$1,020,000
Fiscal Event Year	2015
2011-2015 Cost	$1,020,000
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation

2013 - Based on the age and theoretical useful life of the domestic water piping system replacement is recommended. A study is recommended to determine the current condition, remaining service life, current service requirements and the cost of replacement.

April 2013 - Aged Domestic Water Distribution Piping

Study [D2020 Domestic Water Distribution - Original Building]

Event Type: Study

Priority: High

Brief Description	Study [D2020 Domestic Water Distribution - Original Building]
Estimated Cost	$10,200
Fiscal Event Year	2014
2011-2015 Cost	$10,200
2011-2015 Priority	High
2011-2015 Year	2014

Recommendation

2013 - An in depth study is recommended to determine the condition of the domestic water piping system, the required recommended scope of work and the cost for system renewal.

D2030 Sanitary Waste

Element Instance : D2030 Sanitary Waste

Description

2013 - The sanitary waste distribution system for the school is provided by various types of piping. The majority of the piping is reported to be aged or original of the construction dates to the school.

Condition Assessment

2013 - Much of the waste water distribution system is concealed with only small areas of the system being visible during the assessment. The visible sections of the piping were observed to be functional but aged. The waste water distribution system is past its rated useful life of 37 years.

Last Replacement Year	1930
Theoretical Life	37
Technical Condition	Poor

Replacement

Event Type:	Replacement	Priority:	High

Brief Description	Replacement
Estimated Cost	$204,000
Fiscal Event Year	2015
2011-2015 Cost	$204,000
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation 2013 - Planned replacement of the waste water distribution system is recommended based on age and condition.

April 2013 - Aged Sanitary Waste Water Piping

Study

Event Type:	Study	Priority:	High

Brief Description	Study
Estimated Cost	$10,200
Fiscal Event Year	2014
2011-2015 Cost	$10,200
2011-2015 Priority	High
2011-2015 Year	2014

Recommendation

2013 - A study is recommended to determine the condition of the sanitary waste piping system, the required recommended scope of work and the cost for system renewal.

D2040 Rain Water Drainage

Element Instance : D2040 Rain Water Drainage

Description

2013 - Rain water drainage for the school is provided by roof drains and cast iron distribution piping and is reported to be original to the construction dates of the school.

Condition Assessment

2013 - Much of the rain water drainage system is concealed with only small areas of the system being visible during the assessment. The visible sections of the rain water piping were observed to have minor corrosion. The rain water drainage system is past its rated useful life of 37 years.

Last Replacement Year	1930
Theoretical Life	37
Technical Condition	Poor

Replacement

Event Type: Replacement Priority: High

Brief Description	Replacement
Estimated Cost	$102,000
Fiscal Event Year	2015
2011-2015 Cost	$102,000
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation

2013 - Planned replacement of the rain water drainage system is recommended based on age and condition.

April 2013 - Aged Rain Drainage Piping

Study

Event Type:	Study	Priority:	High

Brief Description	Study
Estimated Cost	$10,200
Fiscal Event Year	2014
2011-2015 Cost	$10,200
2011-2015 Priority	High
2011-2015 Year	2014

Recommendation 2013 - A study is recommended to determine the condition of the rainwater drainage distribution system, the required recommended scope of work and the cost for system renewal.

D30 HVAC

D3040 Distribution Systems

D304007 Exhaust Systems

Element Instance : D304007 Exhaust Systems - Original Building

Description 2013 - Various rooftop and internal exhaust fans service classrooms, washrooms and the general building providing ventilation to the building. There are a total of 28 original roof top exhaust fans.

Condition Assessment 2013 - The rooftop exhaust fans are aged and many had worn and weathered casings. The fans are well maintained but are well past their intended useful life and are in fair condition overall.

Last Replacement Year	1975
Theoretical Life	22
Technical Condition	Fair

Replacement [D304007 Exhaust Systems - Original Building]

Event Type:	Replacement	Priority:	Medium

Brief Description	Replacement [D304007 Exhaust Systems - Original Building]
Estimated Cost	$81,600
Fiscal Event Year	2016
2011-2015 Cost	$81,600
2011-2015 Priority	Medium
2011-2015 Year	2016

Recommendation

2013 - The exhaust fans are operating past their expected useful lives and will likely require replacement as most are in fair condition.

April 2013 - Aged and Weathered Rooftop Exhaust Fans

April 2013 - Aged and Weathered Rooftop Exhaust Fan

April 2013 - Aged and Weathered Rooftop Exhaust Fan

D40 Fire Protection

D4020 Standpipe Systems

Element Instance : D4020 Standpipe Systems

Description

2013 - The standpipe system in the school is original to 1959 and consists of standpipes and fire hoses housed in fire cabinets.

Condition Assessment

2013 - The standpipe system is generally in fair condition, but is past its useful life. No deficiency was reported during the assessment.

Last Replacement Year	1959
Theoretical Life	47
Technical Condition	Fair

Replacement [D4020 Standpipe Systems]

Event Type: Replacement

Priority: High

Brief Description	Replacement [D4020 Standpipe Systems]
Estimated Cost	$306,000
Fiscal Event Year	2016
2011-2015 Cost	$306,000
2011-2015 Priority	High
2011-2015 Year	2016

Recommendation

2013 - Replacement of the standpipe system is recommended based on the age and theoretical useful life of the system. Planning for renewal is recommended to maintain functionality during and emergency.

April 2013 - Aged Standpipe

Element Instance : D4020 Standpipe Systems - Hoses

Description

2013 - At the time of the assessment the standpipe fire hoses were observed to be original to 1978.

Condition Assessment 2013 - The standpipe fire hoses are aged, have a worn brittle appearance and are in poor condition.

Last Replacement Year	1978
Theoretical Life	30
Technical Condition	Poor

Replacement [D4020 Standpipe Systems - Hoses]

Event Type: Replacement Priority: Urgent

Brief Description	Replacement [D4020 Standpipe Systems - Hoses]
Estimated Cost	$15,300
Fiscal Event Year	2014
2011-2015 Cost	$15,300
2011-2015 Priority	Urgent
2011-2015 Year	2014

Recommendation 2013 - Replacement of the aged and worn standpipe fire hoses is recommended to ensure reliability.

April 2013 - Aged Standpipe Fire Hose

D4030 Fire Protection Specialties

Element Instance : D4030 Fire Protection Specialties - Original Building

Description 2013 - The fire protection system in the school includes a variety of fire extinguishers located throughout the school. The last replacement of the fire extinguishers is reported to have been in 2002 but the majority of the fire extinguishers are much older.

Condition Assessment 2013 - The fire extinguishers are reportedly inspected regularly and are functional. Fire extinguishers have a rated useful life of 10 years.

Last Replacement Year	2002
Theoretical Life	10
Fire Protection Specialties Type	Unspecified
Technical Condition	Poor

Replacement [D4030 Fire Protection Specialties - Original Building]

Event Type: Replacement

Priority: Urgent

Brief Description	Replacement [D4030 Fire Protection Specialties - Original Building]
Estimated Cost	$20,400
Fiscal Event Year	2014
2011-2015 Cost	$20,400
2011-2015 Priority	Urgent
2011-2015 Year	2014

Recommendation

2013 - Based on the age and theoretical useful life of the fire extinguishers replacement of the outdated and aged fire extinguishers is recommended within the next three years.

April 2013 - Typical Aged Fire Extinguisher

April 2013 - Typical Aged Fire Extinguisher

D50 Electrical

D5010 Electrical Service & Distribution

D501003 Main Switchboards

Element Instance : D501003 Main Switchboards - Original Building

Description	2013 – The switchboards and other assemblies including main distribution panels, breaker, fuses and meters are original in the building construction date.
Condition Assessment	2013 - Although maintained properly, the switchboard and other assemblies including aged distribution panels, breaker, fuses and meters has exceeded the rated useful life and should be replaced due to age and for reliability.

Last Replacement Year	1959
Theoretical Life	42
Technical Condition	Fair

Replacement [D501003 Main Switchboards - Original Building]

Event Type: Replacement Priority: High

Brief Description	Replacement [D501003 Main Switchboards - Original Building]
Estimated Cost	$714,000
Fiscal Event Year	2016
2011-2015 Cost	$714,000
2011-2015 Priority	High
2011-2015 Year	2016

Recommendation

2013 - Replacement of the aged switchboards and other assemblies including aged distribution panels, breaker, fuses and meters of the building is recommended.

April 2013 - Aged Main Switchboards

April 2013 - Aged Panel Board

Element Instance : D501003 Secondary Switchboards - Original Building

Description

2013 – The secondary switchboard includes a step down transformer is estimated to be original to 1959.

Condition Assessment

2013 - The secondary switchgear is aged and past its useful life of 40 years.

Last Replacement Year	1959
Theoretical Life	40
Technical Condition	Fair

Replacement [D501003 Secondary Switchboards - Original Building]

Event Type: Replacement Priority: High

Brief Description	Replacement [D501003 Secondary Switchboards - Original Building]
Estimated Cost	$153,000
Fiscal Event Year	2016
2011-2015 Cost	$153,000
2011-2015 Priority	High
2011-2015 Year	2016

Recommendation 2013 - Planned replacement of the secondary switchgear is recommended within the next 5 years.

April 2013 - Aged Secondary Switchgear

D5020 Lighting & Branch Wiring

D502001 Branch Wiring

Element Instance : D502001 Branch Wiring - Original Building

Description 2013 - The branch wiring system consists of cabling, raceways, conduit, wiring, bus ducts and wiring terminal devices. Flexible conduit and cabling is provided to motors and other mechanical equipment.

Condition Assessment 2013 - Apart from minor renovations the majority of the branch wiring system in the original building and additions 1 & 2 are original. The branch wiring is in poor to fair condition and is past its theoretical useful life.

Last Replacement Year	1930
Theoretical Life	40
Technical Condition	Fair

Replacement [D502001 Branch Wiring - Original Building]

Event Type: Replacement Priority: Medium

Brief Description	Replacement [D502001 Branch Wiring - Original Building]

Estimated Cost	$3,570,000
Fiscal Event Year	2016
2011-2015 Cost	$3,570,000
2011-2015 Priority	Medium
2011-2015 Year	2016

Recommendation 2013 - Based on the age of the branch wiring, replacement is recommended. An in depth study should be conducted to determine the current condition, remaining useful life cost of replacement.

April 2013 - New and Aged Branch Wiring Conduit

Study

Event Type: Study Priority: Medium

Brief Description	Study
Estimated Cost	$10,200
Fiscal Event Year	2014
2011-2015 Cost	$10,200
2011-2015 Priority	Medium
2011-2015 Year	2014

Recommendation 2013 - A study is recommended and would provide a more detailed condition, remaining useful life and cost of replacement or repair of the branch wiring system.

D502002 Lighting Equipment

Element Instance : D502002 Lighting Equipment

Description 2013 - Exterior lighting includes wall-mounted HID fixtures and light standards in the front of the school which were being refurbishing at the time of the assessment.

Condition Assessment 2013 - The exterior wall mounted fixtures have exceeded their rated useful life, are visibly aged and have stained lenses.

Last Replacement Year	1930
Theoretical Life	15
Lighting Equipment Type	Exterior Lighting
Technical Condition	Poor

Replacement [D502002 Lighting Equipment]

Event Type: Replacement

Priority: High

Brief Description	Replacement [D502002 Lighting Equipment]
Estimated Cost	$20,400
Fiscal Event Year	2014
2011-2015 Cost	$20,400
2011-2015 Priority	High
2011-2015 Year	2014

Recommendation

2013 - The exterior lighting fixtures are original and appear to be functional at this time, but have surpassed their anticipated service life. Replacement of existing aged lamps and fixtures with higher efficiency lamps and fixtures is recommended.

April 2013 - Typical Aged and Stained Wall Mounted Lighting Fixtures

Element Instance : D502002 Lighting Equipment - Original Building

Description

2013 - Emergency lighting in the school was reportedly last updated in 1991 and includes ceiling and wall mounted lighting fixtures connected to a battery bank.

Condition Assessment

2013 - Although maintained and inspected regularly, the emergency lamps and fixtures exceeded their rated useful life and the lamps are not energy efficient.

Last Replacement Year	1991

Theoretical Life	20
Lighting Equipment Type	Emergency Lighting
Technical Condition	Fair

Replacement [D502002 Lighting Equipment - Original Building]

Event Type: Replacement

Priority: High

Brief Description	Replacement [D502002 Lighting Equipment - Original Building]
Estimated Cost	$102,000
Fiscal Event Year	2016
2011-2015 Cost	$102,000
2011-2015 Priority	High
2011-2015 Year	2016

Recommendation

2013 - Replacement of existing aged emergency lighting lamps and fixtures with higher efficiency lamps and batteries is recommended.

5/28/2013 3:41:15 PM Replacement [D502002 Lighting Equipment - Original Building]

April 2013 - Aged Emergency Lighting Fixture

5/28/2013 3:41:39 PM Replacement [D502002 Lighting Equipment - Original Building]

D5030 Communications & Security

D503001 Fire Alarm Systems

Element Instance : D503001 Fire Alarm Systems - Original Building

Description

2013 - The aged fire alarm system includes an Edwards 6500 panel, pull stations at all exit doors, smoke detectors, audio strobes, conduit, wire and connections.

Condition Assessment

2013 - The existing fire alarm system is past its expected building system life cycle of 25 years. Given the age and normal system wear, the system is in fair condition.

Last Replacement Year	1991
Theoretical Life	25
Technical Condition	Fair

Replacement [D503001 Fire Alarm Systems - Original Building]

Event Type: Replacement Priority: High

Brief Description	Replacement [D503001 Fire Alarm Systems - Original Building]
Estimated Cost	$382,500
Fiscal Event Year	2016
2011-2015 Cost	$382,500
2011-2015 Priority	High
2011-2015 Year	2016

Recommendation

2013 - Replacement of the existing system with a new addressable fire alarm system, provided with control panel, smoke detectors, pull stations, horn/strobes and associated equipment should be planned within the next 3 years.

April 2013 - Aged Fire Alarm Control Panel

April 2013 - Aged Fire Alarm End Devices - Pull Station

D5090 Other Electrical Services

D509002 Emergency Lighting & Power

Element Instance : D509002 Emergency Lighting & Power

Description 2013 - Emergency lighting for the school is powered by battery bank located in the basement mechanical room.

Condition Assessment 2013 - The emergency lighting system is regularly inspected and batteries appear to be replaced as needed. The associated wiring for the system is aged far beyond its useful life and it was reported that the emergency lights are only able to stay on for 14 minutes.

Last Replacement Year	1930
Theoretical Life	30
Technical Condition	Poor

Replacement [D509002 Emergency Lighting & Power]

Event Type: Replacement Priority: Urgent

Brief Description	Replacement [D509002 Emergency Lighting & Power]
Estimated Cost	$102,000
Fiscal Event Year	2014
2011-2015 Cost	$102,000
2011-2015 Priority	Urgent
2011-2015 Year	2014

Recommendation 2013 - Replacement of the emergency lighting wiring and associated aged components is recommended based on age and condition.

April 2013 - Emergency Lighting Battery Cabinet

D509099 Other Special Systems and Devices

Element Instance : D509099 Other Special Systems and Devices - Dust Collectors

Description 2013 - The school's woodshop machinery is serviced by 2 dust collectors which are located at the exterior of the woodshop class.

Condition Assessment 2013 - The dust collectors are located outside and being exposed to the elements they are extremely rusted and are in poor condition.

Last Replacement Year	1975
Theoretical Life	30
Technical Condition	Poor

Replacement

Event Type: Replacement Priority: Urgent

Brief Description	Replacement
Estimated Cost	$163,200

Fiscal Event Year	2014
2011-2015 Cost	$163,200
2011-2015 Priority	Urgent
2011-2015 Year	2014

Recommendation 2013 - Replacement of the 2 dust collectors is recommended based on age and condition.

April 2013 - Aged and Extremely Rusted Dust Collectors

April 2013 - Aged and Extremely Rusted Dust Collectors

G BUILDING SITEWORK

G20 Site Improvement

G2010 Roadways

Element Instance : G2010 Roadways - Site

Description 2013 - Asphalt paved roadway circling the school.

Condition Assessment 2013 - The asphalt paved roadway is exhibiting alligator cracking and some depressed areas.

Last Replacement Year	1980
Theoretical Life	20
Technical Condition	Poor

Replacement [G2010 Roadways - Site]

Event Type: Replacement

Priority: High

Brief Description	Replacement [G2010 Roadways - Site]
Estimated Cost	$145,962
Fiscal Event Year	2015
2011-2015 Cost	$145,962
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation 2013 - The asphalt paved roadway is showing signs of alligator cracking. Replacement planning is warranted.

Apr 2013- Asphalt paved roadway on northeast of the building.

Apr 2013- Evidenc of pothole and, aligator cracking.

G2020 Parking Lots

Element Instance : G2020 Parking Lots - Site

Description 2013 - Asphalt paved parking lot with line painting for parking stalls.

Condition Assessment 2013 - The asphalt paved parking lot is in poor condition with pot holes, alligator cracking and non visible line painting.

Last Replacement Year	1980
Theoretical Life	20
Technical Condition	Poor

Replacement [G2020 Parking Lots - Site]

Event Type: Replacement Priority: High

Brief Description	Replacement [G2020 Parking Lots - Site]
Estimated Cost	$291,924
Fiscal Event Year	2015
2011-2015 Cost	$291,924
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation 2013 - The asphalt paved parking lot is in poor condition with pot holes and alligator cracking. Reconstruction of the parking lot is recommended.

Apr 2013- Paved parking lot on the north side of the building.

Apr 2013- Evidence of water ponding and, alligator cracking.

G2030 Pedestrian Paving

Element Instance : G2030 Pedestrian Paving - Site

Description	2013 - Concrete sidewalks situated along the South and east facade.
Condition Assessment	2013 - The concrete sidewalks are showing signs of uneven and cracked surfaces with signs of vegetation growth.

Last Replacement Year	1930
Theoretical Life	22
Technical Condition	Fair

Replacement [G2030 Pedestrian Paving - Site]

Event Type:	Replacement	Priority:	Medium
Brief Description		Replacement [G2030 Pedestrian Paving - Site]	

Estimated Cost	$58,395
Fiscal Event Year	2015
2011-2015 Cost	$58,395
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation

2013 - The concrete sidewalks are showing signs of uneven and cracked surfaces with signs of vegetation growth and spalling sections of concrete. Replacement is recommended.

Apr 2013- Cracked Concrete pedestrian on the south side of the building.

Apr 2013- Cracked Concrete pedestrian

G2040 Site Development

G204001 Fencing & Gates

Element Instance : G204001 Fencing & Gates - Site

Description

2013 - Exterior cast in place concrete stairs 6' wide.

Condition Assessment 2013 - The exterior concrete stairs have cracked, chipped and, spalled sections.

Last Replacement Year	1930
Theoretical Life	20
Technical Condition	Poor

Replacement [G204001 Fencing & Gates - Site]

Event Type: Replacement Priority: High

Brief Description	Replacement [G204001 Fencing & Gates - Site]
Estimated Cost	$58,395
Fiscal Event Year	2015
2011-2015 Cost	$58,395
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation 2013 - Concrete stairs and ramps are damaged, deteriorated and in poor condition due to age and observed condition, reconstruction of the stairs and ramp is recommended.

Apr 2013- Deteriorating cast in place concrete stairs.

Apr 2013- Cracked Concrete stairs.

Apr 2013- Deterorating Concrete Ramp on the north side of the building.

G204002 Retaining Walls

Element Instance : G204002 Retaining Walls - Site

Description 2013 - Concrete retaining wall.

Condition Assessment 2013 - At the time of the assessment the Concrete retaining walls were in fair condition they are probably original to the building

Last Replacement Year	1930
Theoretical Life	30
Technical Condition	Fair

Replacement [G204002 Retaining Walls - Site]

Event Type:	Replacement	Priority:	High
Brief Description		Replacement [G204002 Retaining Walls - Site]	

Estimated Cost	$17,442
Fiscal Event Year	2015
2011-2015 Cost	$17,442
2011-2015 Priority	High
2011-2015 Year	2015

Recommendation 2013 -The concrete Retaining wall deteriorated and in fair condition due to age and observed condition, reconstruction of the concrete retaining wall is recommended.

Apr 2013- deteriorating Concrete retaining wall.

G2050 Landscaping

Element Instance : G2050 Landscaping - Site

Description 2013 - Soft Landscaping include trees, shrubs, and flowers, as well as container gardens, potted plants, and hanging baskets

Condition Assessment 2013 - At the time of the assessment the landscaping was in Fair condition .

Last Replacement Year	1930
Theoretical Life	17
Technical Condition	Fair

Replacement [G2050 Landscaping - Site]

Event Type: Replacement Priority: Medium

Brief Description	Replacement [G2050 Landscaping - Site]
Estimated Cost	$29,172
Fiscal Event Year	2015

2011-2015 Cost	$29,172
2011-2015 Priority	Medium
2011-2015 Year	2015

Recommendation 2013 – Based on the observed Condition, repairs is recommended.

Apr 2013- Water damaged landscaping on the south side.

G30 Site Civil/Mechanical Utilities

Element Instance : G30 Site Civil/Mechanical Utilities - Site

Description 2013 - The underground utilities include storm and sanitary sewer systems and domestic water. The systems are presumed to be original to the construction dates of the school.

Condition Assessment 2013 - At the time of assessment the condition of the underground utilities was difficult to determine as most of the systems are concealed. Based on the age and recommended useful life, the underground utilities are presumed to be in poor to fair condition.

Last Replacement Year	1930
Theoretical Life	50
Technical Condition	Poor

Replacement [G30 Site Civil/Mechanical Utilities - Site]

Event Type: Replacement Priority: Urgent

Brief Description	Replacement [G30 Site Civil/Mechanical Utilities - Site]
Estimated Cost	$708,900
Fiscal Event Year	2015
2011-2015 Cost	$708,900

2011-2015 Priority	Urgent
2011-2015 Year	2015

Recommendation

2013 - Planned replacement of the underground utilities is recommended based on the age of the systems compared to their theoretical useful life of 50 years.

April 2013 - Rain Water Drainage Main

Study

Event Type: Study Priority: Urgent

Brief Description	Study
Estimated Cost	$10,200
Fiscal Event Year	2014
2011-2015 Cost	$10,200
2011-2015 Priority	Urgent
2011-2015 Year	2014

Recommendation

2013 - A study is recommended to assess the remaining life, cost of replacement and condition of the underground utilities which include storm and sanitary sewer systems and domestic water.

G40 Site Electrical Utilities

Element Instance : G40 Site Electrical Utilities - Site

Description

2013 - The underground electrical utilities for the school is presumed to be original to the construction dates of the school.

Condition Assessment

2013 - At the time of assessment the condition of the underground electrical utilities was difficult to determine as most of the system was concealed. Based on the age and recommended useful life, the underground electrical utilities are presumed to be in poor to fair condition.

Last Replacement Year	1930

Theoretical Life	40
Technical Condition	Poor

Study

Event Type:	Study	Priority:	Urgent

Brief Description	Study
Estimated Cost	$10,200
Fiscal Event Year	2014
2011-2015 Cost	$10,200
2011-2015 Priority	Urgent
2011-2015 Year	2014

Recommendation 2013 - A study is recommended to assess the remaining life, cost of replacement and condition of the underground electrical utilities.

Hamilton-Wentworth District School Board

Report Summary

Saved Report Name	Final Report Template mod1
User Name	william lo
Report Type	Text With Pictures
Report Name	Condition Assessment
Start Year	2013
Number of Years	5
Priority	Default
Structure / Instance	Westdale, Building ID 9158-1
Filter	Parent Criteria Summary: Structure parent - A SUBSTRUCTURE OR Structure parent - B SHELL OR Structure parent - C INTERIORS OR Structure parent - D SERVICES OR Structure parent - G BUILDING SITEWORK - where the detail criteria for the parent node is - Technical Condition <> Not Assessed ;
Asset Photos	Default Photos Only
Current Backlog FCI	No
Element Photos	No Photos
Include Element ACL Criteria	No
Exclude Elements Without Events	Yes
Include Event level details	Yes
Event Photos	All Photos
Include Costlines	No
Printed Date	10/30/2013

APPENDIX E
ASBESTOS SURVEY

ATTENTION:

PLEASE DO NOT PHOTOCOPY OR DISTRIBUTE THIS BOOK

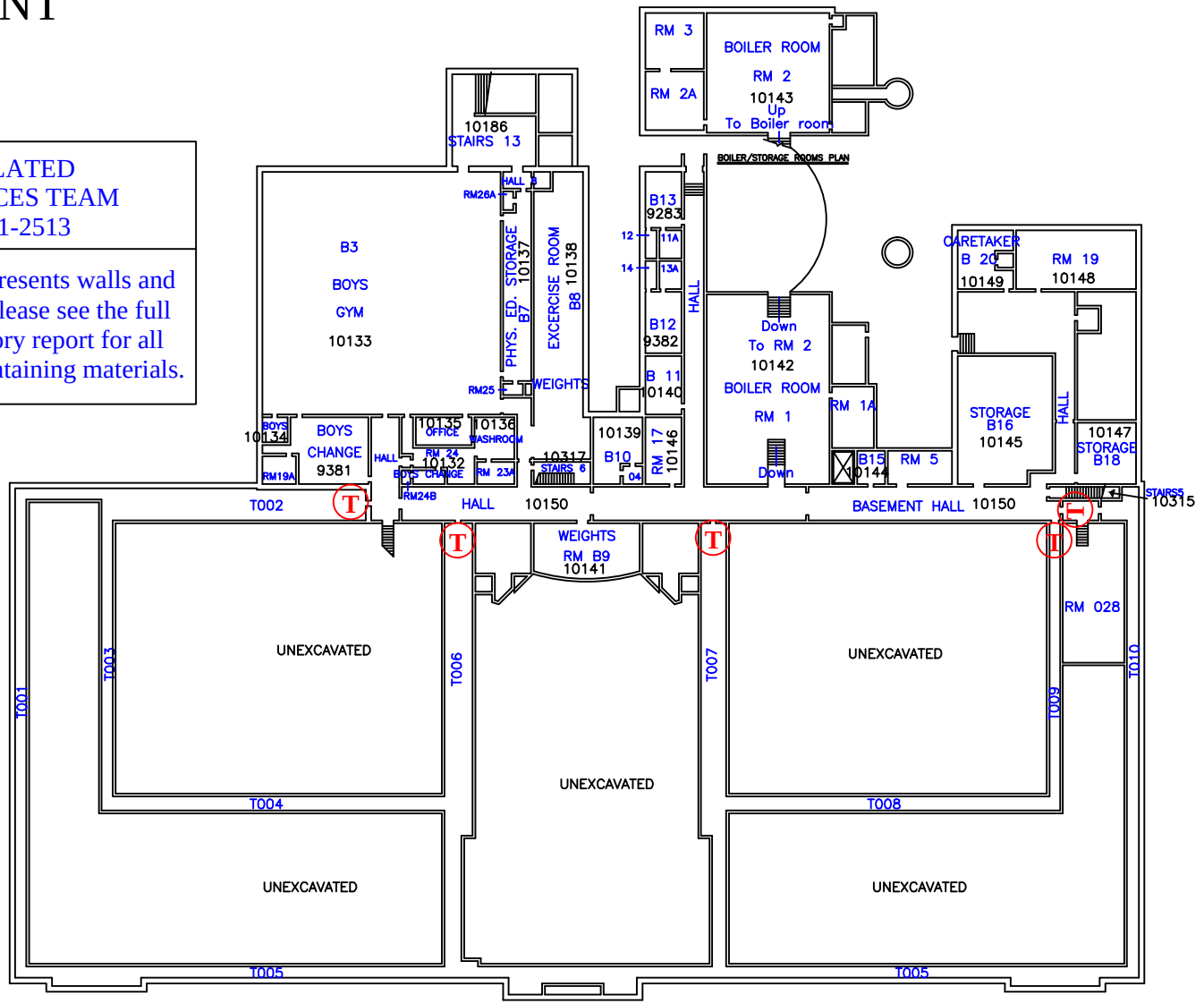
WESTDALE SECONDARY SCHOOL
Asbestos Inventory

Updated NOV. 2014

Prepared by:
Regulated Substance Team (905-521-2513)
The Hamilton-Wentworth District School Board

WESTDALE SECONDARY SCHOOL
BASEMENT

Updated Nov. 2014	REGULATED SUBSTANCES TEAM 905-521-2513
Original Const: 1930 Additions: 1959; 1975	This drawing represents walls and ceiling spaces. Please see the full asbestos inventory report for all other asbestos containing materials.
Tunnel access is restricted to trained personnel. T	

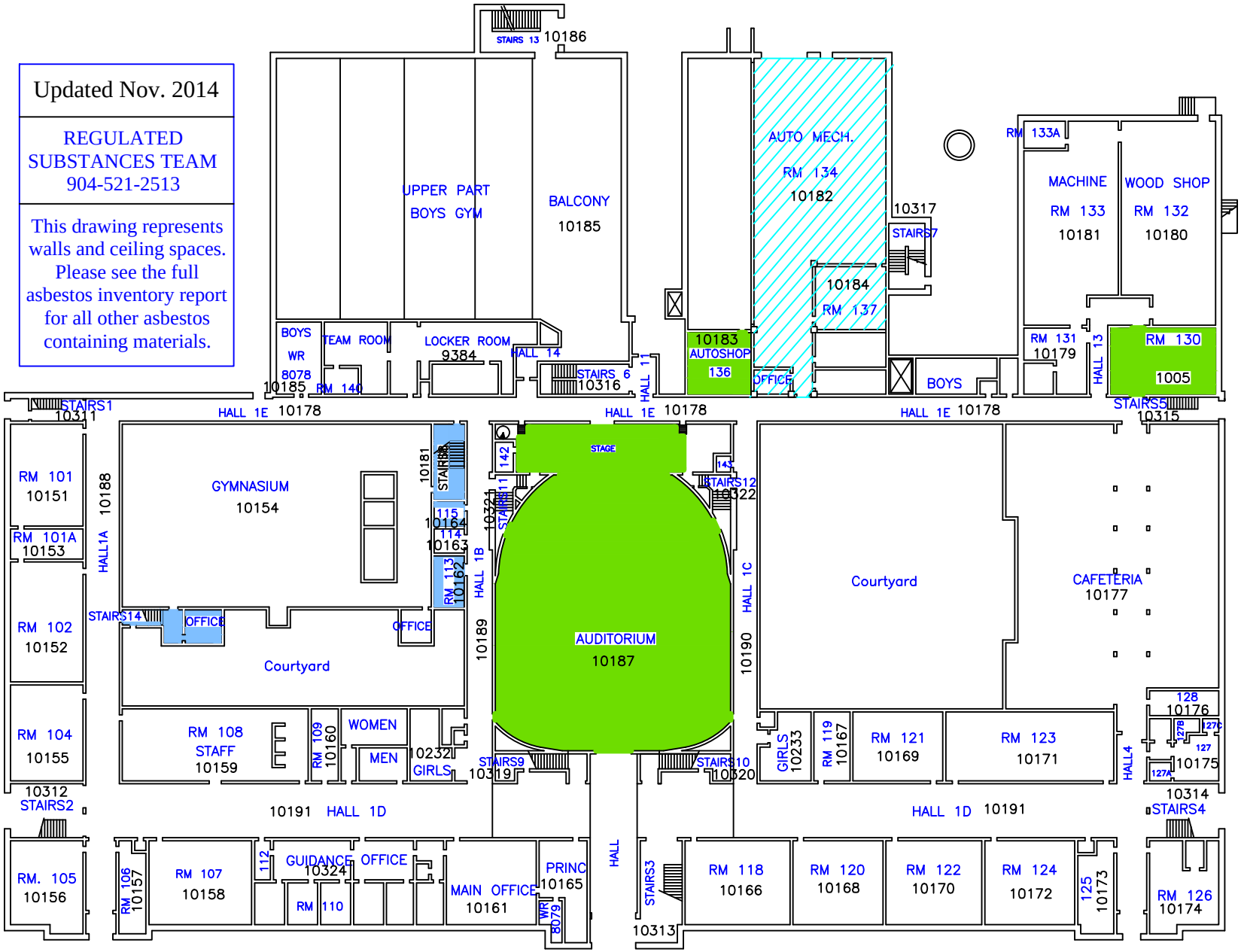


WESTDALE SECONDARY SCHOOL - FIRST FLOOR

Updated Nov. 2014

REGULATED SUBSTANCES TEAM
904-521-2513

This drawing represents walls and ceiling spaces. Please see the full asbestos inventory report for all other asbestos containing materials.



Ceiling texture coat contains asbestos.	Applied ceiling fireproofing contains Chrysotile asbestos.	Transite asbestos ceiling tiles present.

WESTDALE SECONDARY SCHOOL - SECOND FLOOR

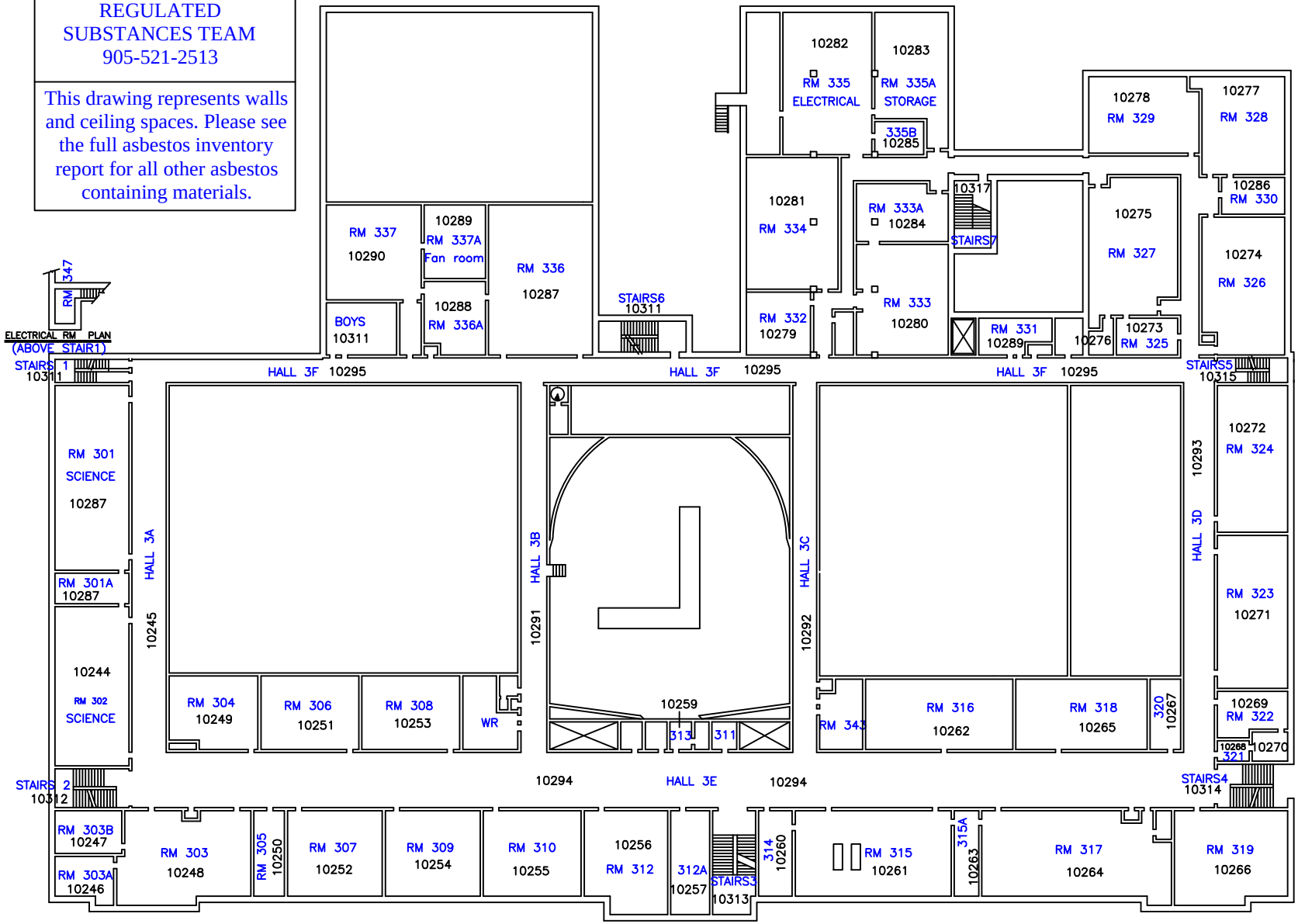
Updated Nov. 2014 REGULATED SUBSTANCES TEAM 905-521-2513	This drawing represents walls and ceiling spaces. Please see the full asbestos inventory report for all other asbestos containing materials.	Ceiling texture coat contains asbestos.

WESTDALE SECONDARY SCHOOL - THIRD FLOOR

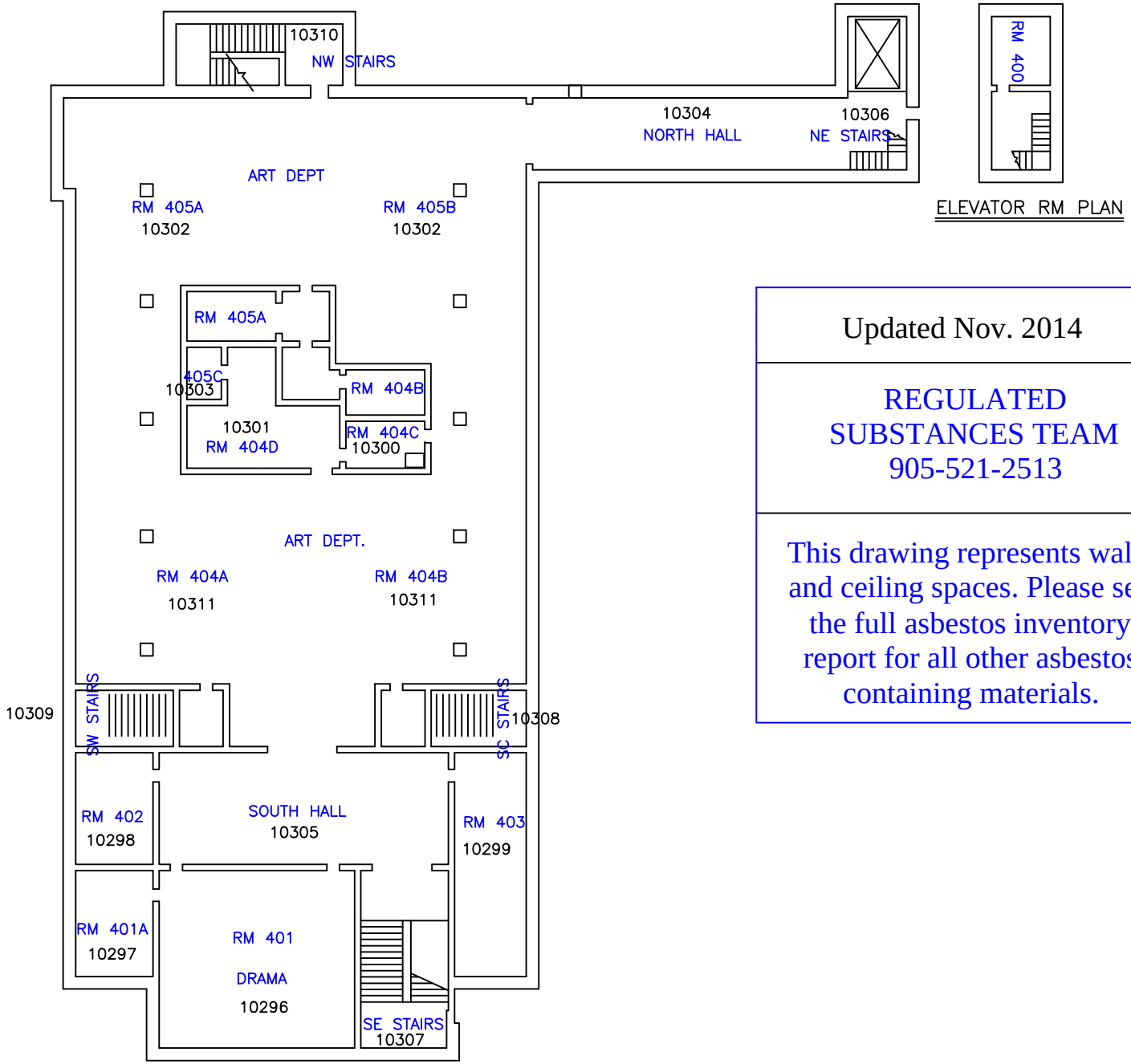
Updated Nov. 2014

REGULATED SUBSTANCES TEAM
905-521-2513

This drawing represents walls and ceiling spaces. Please see the full asbestos inventory report for all other asbestos containing materials.



WESTDALE SECONDARY SCHOOL - FOURTH FLOOR



Updated Nov. 2014

REGULATED
SUBSTANCES TEAM
905-521-2513

This drawing represents walls and ceiling spaces. Please see the full asbestos inventory report for all other asbestos containing materials.

SUMMARY PAGE

The following designated substances are present in the school:

Asbestos *(samples taken to-date are attached to this report)*
Assume ***Lead*** *is present in older paints. Samples taken to-date are attached to this report.* ***Lead*** *based paints are those containing greater than 0.5%* ***Lead*** *by weight.*

ASBESTOS

Vinyl Asbestos floor tiles present, assume leveling coat present underneath floor tiles

Assume asbestos insulation present behind wall cavity and/or lockers
(Asbestos insulation definition: mechanical, thermal, electrical and sound transmission)
In Mechanical rooms – mechanical fittings and pipes contain asbestos

Chrysotile asbestos texture coat present. Transite asbestos ceiling tiles/panels present

2 new Thermific boilers installed in 2008 and old boiler and hot water tank removed in 2009

New windows installed in 2000
New radiators installed in 2008

All plaster and drywall is asbestos free

Assume black acid resistant vinyl counter tops contain asbestos
Assume old window putty/caulking contain asbestos
Assume green and beige resin chairs and desks contain asbestos
Assume roof drains and/or collars contain asbestos
Assume asbestos gaskets/glue present behind the old black and old tack boards
Assume fire doors contain asbestos *(for non-asbestos fire doors, please see tag on door spine)*

Some incandescent light fixtures may contain heat-deflecting paper with an asbestos paper backing. This is a pre-manufactured product and not considered hazardous unless worked on using power tools

Spray booths/paint booths/welding booths, fume hoods, counter tops, cabinet linings, back splash, sink underlining, walls, ductwork, kilns and exhaust system (when present) contain asbestos

BURIED OIL TANK: Status Unknown

TUNNEL: Access is restricted to trained personnel. Contact Reg. Subs. Team before entry.

NOTE: Please contact the Regulated Substance Team at 905-521-2513 to co-ordinate site specific assessment & sampling of products that contain Asbestos or Lead including but not limited to wall or ceiling Plaster, floor leveler, ceiling tiles etc. This specific assessment & testing must be done prior to construction or maintenance work, which will disturb materials

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Auditorium/Stage	10187	***Asbestos texture coat present on ceiling*** * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos
Boiler room 1	10142	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Boiler room 2	10143	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Cafeteria (1st floor)	10177	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' - Balcony (1st floor)	10185	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' - Change room 2 (Room B2) basement	10132	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Gym - Boys' - exercise room (room B8) - basement	10138	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' - Office (basement)	10135	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' - Phys. Ed. Storage (Room B7) basement	10137	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' - washroom (room B4) (basement)	10134	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' - washroom/shower (basement)	10136	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' - Weight room (Room B9) - basement	10141	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' (1st floor) - change room	9384	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Gym - Boys (basement) (Room B3)	10133	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (below wood floor) * Asbestos insulation present behind wall cavity * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Boys' - Change room 1 (Room B1) basement	9381	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Girls (2nd floor)	10226	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Girls' (2nd floor) - change room (rm. 232)	10228	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Girls' (2nd floor) - change room (rm. 234)	9385	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Girls' (2nd floor) - storage room (rm. 233)	10227	***Asbestos present on mechanical insulation below ceiling*** * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Gym - Girls (first floor)	10154	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Gym - Girls' gym Office (rm. 235)	10229	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 1A (across rm. 101/105)	10188	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 1B (across Aud/115)	10189	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 1C (across aud/courtyard)	10190	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 1D (across rm. 105/126)	10191	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Hallway 1E (acorss girls gym/rm.130)	10178	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 2A (across rm. 201/202)	10237	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 2B (across rm. 209)	10238	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 2C (across rm. 211)	10239	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 2D (across rm. 203/218)	10240	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 2E (across rm. 22/233)	10241	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Hallway 3A (across rm. 301/302	10245	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 3B (across rm. 310)	10291	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 3C (across rm. 314)	10282	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 3D (across rm. 322/324)	10293	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 3E (across rm. 303/322)	10294	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 3F (across rm. 326/326)	10295	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Hallway 4th floor - North	10304	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallway 4th floor - South	10307	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Hallways - Basement	10150	* Asbestos insulation present behind wall cavity/behind lockers or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Library - Room 219	10214	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Office - Main (1st floor)	10161	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Office - Principal (1st floor)	10165	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (under new floor) * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 101	10151	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (below new floor) * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 101A	10153	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 102	10152	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (below new floor) * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 104	10155	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (below new floor) * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 105	10156	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (below new floor) * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 106	10157	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 107	10158	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 108 - Staff room	10159	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 109 - Photocopy room	10160	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 110 - Guidance Office	10324	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 113 (by Girls' gym)	10162	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (below new floor) ***Transite asbestos ceiling tiles present*** * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 114 (by Girls' gym)	10163	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (below new floor) * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 115 (by Girls' gym)	10164	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (below new floor) ***Transite asbestos ceiling tiles present*** * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 118	10166	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 119	10167	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 120	10168	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 121	10169	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 122	10170	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 123	10171	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 124	10172	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 125 - Office	10173	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 126 - Bookstore	10174	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 127 - Nurse	10175	***Asbestos present on mechanical insulation below ceiling*** * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 128 - Staff Lunch room	10176	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Room 130	1005	***Vinyl asbestos floor tiles -*** * leveling coat present underneath (under new floor) ***Asbestos texture coat present on ceiling*** * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 131	10179	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 132 - Woodshop	10180	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 133 - Machine shop	10181	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 134 - Autoshop	10182	***Applied ceiling fireproofing contains Chrysotile asbestos*** * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 136 - Autoshop Glass room	10183	***Asbestos texture coat present on ceiling*** * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 137 - Autoshop storage	10184	***Applied ceiling fireproofing contains Chrysotile asbestos*** * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 201 - Science	10192	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath (under new floor) * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 201A	10194	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos
Room 202 - Science	10195	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath (under new floor) * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos
Room 202A	10193	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos
Room 203 - Science prep room	10196	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath (under new floor) * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 204	10197	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos
Room 204A - storage	10198	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos
Room 205	10198	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 206	10199	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 207	10200	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 208	10201	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 209	10202	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 210	10203	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 210A	10204	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 211	10205	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 212	10206	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 213	10207	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 213A	10208	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 214	10209	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 215	10210	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 216	10211	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 217	10212	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 218	10213	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 220	10215	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 221	10216	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 222	10217	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 223	10218	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 224	10219	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 225	10220	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 226	10221	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 227	10222	***Vinyl asbestos floor tiles -*** * leveling coat present underneath ***Ceiling texture coat contains asbestos*** * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 228 - Woodshop	10223	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 229 - Woodshop	10224	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 230 - Paint room	10225	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 301 - Science	10242	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath (under new floor) * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 301A	10243	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos
Room 302 - Science	10244	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath (under new floor) * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos
Room 303	10248	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Black acid resistant counter top contains asbestos * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods and exhaust system (when present) contains asbestos
Room 303A	10246	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 303B	10247	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Cabinet shelves/lining; fumehoods, counter tops and exhaust system (when present) contains asbestos
Room 304	10249	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 305	10250	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 306	10251	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 307	10252	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 308	10253	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 309	10254	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 310	10255	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 312	10256	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 312A	10257	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 313	10259	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 314	10260	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 315 - Family Studies	10261	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 315A	10263	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 316	10262	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 317	10264	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 318	10265	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 319	10266	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 320	10267	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 321	10268	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 322	10269	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 322A	10270	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 323	10271	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 324	10272	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 325	10273	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 326	10274	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 327 - Drafting	10275	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 327A	10276	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 328	10277	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 329	10278	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 330	10286	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 332	10279	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 333 - Electrical	10280	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 333A -	10284	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 333A -	10280	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 335 - Electrical	10282	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 335A	10283	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 335B	10285	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 336	10287	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 336A	10288	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 337	10290	***Vinyl asbestos floor tiles -*** * leveling coat present underneath * Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos * Asbestos gaskets present behind old black/tack boards
Room 337A - Fan room	10289	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 401 - Drama room	10296	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 401A - Drama storage room	10297	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 402	10298	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 403 - Drama Office	10299	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 404A/B - Art room	10311	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 404C - Art Office	10300	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room 404D - Kiln room	10301	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 405A/B - Art room	10302	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room 405C - Dark room	10303	***Vinyl asbestos floor tiles present*** - * leveling coat present underneath * Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards * Spray;paint;welding booths, fumehoods, counter tops, cabinet lining, kilns and exhaust system (when present) contains asbestos
Room B10	10139	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Room B11	10140	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room B12	9382	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Room B13	9283	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Room B15 - Caretaker's tool room	10144	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos
Room B16 - Storage room	10145	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos
Room B17 - Storage room	10146	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos
Room B18 - Storage	10147	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos
Room B19 - Storage	10148	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Room B20 - Caretaker's room	10149	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos * Asbestos gaskets present behind old black/tack boards
Stairwell - 13 (1st floor) (by boy's balcony)	10186	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos
Stairwell - 3 (by rm. 118/211/314)	10313	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos
Stairwell - 4th floor (North-East)	10306	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos
Stairwell - 4th floor (North-West)	10310	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos
Stairwell - 4th floor (South-Central)	10308	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos
Stairwell - 4th floor (South-East)	10307	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Stairwell - 4th floor (South-West)	10309	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos
Washroom - Boys' (1st floor) (across gym)	8078	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos
Washroom - Boys (2nd floor) - by girl's gym	10230	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos
Washroom - Boys' (2nd floor) by rm. 222	10231	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos
Washroom - Boys' (3rd floor) by rm. 336	10311	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos
Washroom - Girls (1st floor) (acorss guidance office)	10232	* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contain asbestos
Washroom - Girls' (2nd floor) by rm. 208	10234	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

AREA DESCRIPTION	***LOCATION ID***	***ASBESTOS MATERIALS***
Washroom - Girls' (2nd floor) by rm. 213	10235	* Asbestos insulation present behind wall cavity or above plaster ceiling * Fire doors contains asbestos
Washroom - Girls' (3rd floor) by rm. 308		* Asbestos insulation present behind wall cavity or above ceiling * Fire doors contains asbestos

Confirmed asbestos items are highlighted

***** Material is assumed to contain asbestos until confirmed by competent staff

(For non-asbestos fire doors, please see tag on door spine)

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
1st floor		red door paint		0.15%	July 4, 2001
2nd floor		brown door paint		0.19%	July 4, 2001
2nd floor lockers		gypsom block	No asbestos		June 28, 1990
3rd floor		Red metal door paint		0.07%	July 4, 2001
3rd floor hall		plaster by rod drain	No asbestos		Oct. 22, 1993
3rd floor hall		drywall above lockers	No asbestos		June 28, 1995
4th floor		roof access door - wall plaster	No asbestos		Mar. 19, 2001
Art room		Kiln material - brown/yellow	No asbestos		Mar. 5, 1997
Art room		Window paint		0.00626%	June 23, 1999
Art room		Wall paint		0.22390%	June 23, 1999
Art room - 4th floor		Ceiling paint		0.261%	Nov. 20, 1995
Auditorium		Textured plaster	5-10% Chrysotile		Nov. 22, 1989
Auditorium		plaster at front of stage	No asbestos		Feb. 8, 1994
Auditorium		plaster on top of aud.	No asbestos		Feb. 10, 1994
Auto shop		Texture coat	25-50% Chrysotile		Nov. 22, 1989
Auto shop classroom		Spray	10-25% Chrysotile		Nov. 22, 1989
Autoshop		Exhaust fan - insulation brown	No asbestos		Sept. 28, 1994
Autoshop		Yellow door paint		0.22%	July 4, 2001

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Autoshop		window wall plaster - grey	No asbestos		June 4, 2008
Autoshop		door wall plaster - white	No asbestos		June 4, 2008
Autoshop		door wall plaster - white	No asbestos		June 4, 2008
Boiler room		Ceiling paint		0.084%	Sept. 30, 1996
Book store		window wall plaster - white	No asbestos		June 4, 2008
Book store		door wall plaster - white	No asbestos		June 4, 2008
Book store		Ceiling plaster - white	No asbestos		June 4, 2008
Boys washroom		Straight on heating supply	>75% Chrysotile		Nov. 22, 1989
Cafeteria		Ceiling tile #1	No asbestos		July 19, 2000
Cafeteria		Ceiling tile #2	No asbestos		July 19, 2000
Cafeteria		Ceiling tile #3	No asbestos		July 19, 2000
Cafeteria		Ceiling tile #4	No asbestos		July 19, 2000
Cafeteria		NW wall plaster	No asbestos		July 19, 2000
Cafeteria		N wall plaster	No asbestos		July 19, 2000
Cafeteria		Yellow west wall paint		0.006%	Feb. 4, 2002
Cafeteria		Yellow north wall paint		0.007%	Feb. 4, 2002
Cafeteria		Red paint south wall		0.006%	Feb. 4, 2002
Cafeteria		Yellow south wall paint		0.005%	Feb. 4, 2002

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Cafeteria		Purple west wall paint		0.008%	Feb. 4, 2002
Cafeteria		level coat - west wall - grey	No asbestos		Nov. 19, 2001
Cafeteria		floor tile - beige	Chrysotile asbestos		Nov. 19, 2001
Cafeteria		Filter strip running NS in floor (grey)	No asbestos		Nov. 19, 2001
Cafeteria		Level coat by purple door - grey	No asbestos		Nov. 19, 2001
Cafeteria		Level coat by north entrance - grey	No asbestos		Nov. 19, 2001
Cafeteria		ceiling plaster - white/grey	No asbestos		June 4, 2008
Cafeteria		door wall plaster - white	No asbestos		June 4, 2008
Cafeteria		window wall plaster - white	No asbestos		June 4, 2008
Cafeteria		white blockwork above ceiling - white	No asbestos		Sept. 15, 2008
Change room - boys' (1st floor)	8078	Ceiling paint (beige/yellow)		0.19%	Mar. 3, 2010
Drama - store room		Wall plaster - white/brown	No asbestos		June 8, 1999
Drama - store room		wall paint		1.12641%	June 23, 1999
Drama room		black paint		0.15163%	June 23, 1999
Family studies office		East wall paint		0.29%	July 4, 2001
Fan room - Auditorium		plaster basecoat below catwalk - grey	No asbestos		May 26, 2008

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Fan room - Auditorium		plaster basecoat below catwalk - grey	No asbestos		May 26, 2008
Fan room - Auditorium		plaster basecoat below catwalk - grey	No asbestos		May 26, 2008
Fan room by boiler room		gym fan unit - silver paint		2.5%	April 18, 2008
Flag pole		paint		2.17%	April 10, 2003
Guidance office		North wall paint		<0.01%	July 4, 2001
Gym		Ceiling bulkhead plaster	No asbestos		Nov. 18, 1998
Gym - boys - balcony		plaster	No asbestos		July 14, 2000
Gym - Girls		Plaster - beam 1	No asbestos		Apr. 30, 2001
Gym - Girls		Plaster - beam 2	No asbestos		Apr. 30, 2001
Gym - Girls		Plaster - beam 3	No asbestos		Apr. 30, 2001
Gym - Girls		Spray - beam 1	No asbestos		Apr. 30, 2001
Gym - Girls		Spray - beam 2	No asbestos		Apr. 30, 2001
Gym - Girls		Spray - beam 3	No asbestos		Apr. 30, 2001
Gym - middle		floor leveller by roof drain	No asbestos		May 8, 2001
Gym - middle		floor leveller by net storage	No asbestos		May 8, 2001
Gym - middle		level coat by exit sign	No asbestos		Nov. 19, 2001
Gym - middle		8x8 floor tile - green	No asbestos		Nov. 19, 2001
Gym - middle		Level coat by storage - brown	No asbestos		Nov. 19, 2001
Gym - middle		ground seal by exit door - black	No asbestos		Nov. 19, 2001

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Hall - 3rd floor		paint above ceiling		0.219%	Oct. 25, 1993
Hall - 3rd floor		paint below ceiling		0.236%	Oct. 25, 1993
Hall - 3rd floor		wall paint		0.29210%	June 23, 1999
Hall - 4th floor		paint		0.015%	July 4, 2001
Hall - basement (by boiler room)		gypsum block behind plaster wall - grey	No asbestos		Dec. 23, 2008
Hall - basement (by weight room)		gypsum block behind plaster wall - grey	No asbestos		Dec. 23, 2008
Hall - between rm. 201/203		Ceiling tile	No asbestos		Sept. 28, 1994
Hall - by rm. 333		Ceiling plaster below fire alarm - grey/brown	No asbestos		May 11, 2006
Hall - by rm. 333		wall plaster - door corner - entrance - grey/brown	No asbestos		May 11, 2006
Hall - by rm. 333		ceiling plaster above fire bell - grey/white	No asbestos		May 11, 2006
Hall - east cross hall - 3rd floor - by locker 1904		wall paint "above" ceiling		0.32%	Aug. 18, 2003
Hall - middle cross hall - by locker 1684		wall paint "above" ceiling		0.28%	Aug. 18, 2003
Hall - north		North wall paint		0.27%	July 5, 2001
Hall between rm. 201 & 202		Ceiling plaster	No asbestos		Sept. 28, 1994
Hall between rm. 201 & 203		Ceiling plaster	No asbestos		Sept. 28, 1994
Hall between rm. 201/202		Ceiling paint		0.136%	Oct. 5, 1994

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Hallway - 1st floor - near rm. 106		wall plaster - off white	No asbestos		June 16, 2008
Hallway - 1st floor near auditorium		ceiling plaster - white	No asbestos		June 16, 2008
Hallway - 1st floor near elevator		wall plaster - white	No asbestos		June 16, 2008
Hallway - 1st floor near rm. 103		ceiling plaster - off white	No asbestos		June 16, 2008
Hallway - 1st floor near rm. 120		wall plaster - white	No asbestos		June 16, 2008
Hallway - 1st floor near rm. 133		wall plaster - white	No asbestos		June 16, 2008
Hallway - 2nd floor - near rm. 204		Ceiling plaster - white	No asbestos		June 16, 2008
Hallway - 2nd floor near elevator		wall plaster - white	No asbestos		June 16, 2008
Hallway - 2nd floor near rm. 216		wall plaster - white	No asbestos		June 16, 2008
Hallway - 2nd floor near rm. 222		wall plaster - white	No asbestos		June 16, 2008
Hallway - 2nd floor near rm. 227		Ceiling plaster - white	No asbestos		June 16, 2008
Hallway - 3rd floor - near elevator		wall plaster - white	No asbestos		June 16, 2008
Hallway - 3rd floor - near rm. 306		wall plaster - white	No asbestos		June 16, 2008
Hallway - 3rd floor - near rm. 326		wall plaster - white	No asbestos		June 16, 2008
Hallway - 3rd floor - near rm. 339		Ceiling plaster - white	No asbestos		June 16, 2008

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Hallway - 3rd floor near rm. 302		wall plaster - white	No asbestos		June 16, 2008
Hallway - 3rd floor near rm. 308		Ceiling plaster - white	No asbestos		June 16, 2008
Hallway - basement by caretaker's storage		wall plaster - beige	No asbestos		June 16, 2008
Hallway - basement by elevator		wall plaster - white	No asbestos		June 16, 2008
Hallway - basement near gym		ceiling plaster - white	No asbestos		June 16, 2008
Hallway - elevator - 4th floor		wall paint - beige		0.12%	April 18, 2008
Hallway- 2nd floor near rm. 212		wall plaster - white	No asbestos		June 16, 2008
Hallway- east cross hall by locker 1904 - 3rd floor		wall plaster "above" ceiling - white	No asbestos		Aug. 18, 2003
Hallway- middle cross hall by locker 1684		wall plaster "above" ceiling - white	No asbestos		Aug. 18, 2003
Library		North wall paint		<0.01%	July 4, 2001
Library		window wall plaster - white	No asbestos		May 13, 2008
Library		ceiling plaster - white	No asbestos		May 13, 2008
Library		office window wall plaster #2	No asbestos		May 13, 2008
Library - work room		East wall paint		<0.01%	July 4, 2001
Lobby		Inside door far east side - white	50-75% Chrysotile		March 14, 2006
Office - language prep		East wall paint		0.20%	July 4, 2001
Office - main		South wall paint		<0.015	July 4, 2001

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Office - prep - 1st floor by rm. 101		wall plaster "above" ceiling - grey	No asbestos		Aug. 18, 2003
Office - prep 2		East wall paint		0.19%	July 4, 2001
Office - science prep		North wall paint		0.06%	July 4, 2001
Office area		door wall plaster - grey	No asbestos		June 4, 2008
Office area		window wall plaster - white	No asbestos		June 4, 2008
Office area		Ceiling plaster - grey	No asbestos		June 4, 2008
Photography rm. - 4th floor		Insulation above ceiling	No asbestos		Dec. 13, 1994
Photography rm. - 4th floor		ceiling plaster	No asbestos		Dec. 13, 1994
Prep office - 1st floor by 101		wall paint "above" ceiling		0.093%	Aug. 18, 2003
Prep room 4		North wall paint		0.16%	July 4, 2001
Rooftop		parging on A/C unit - black	No asbestos		July 4, 2007
Room 101		East wall paint		0.32%	July 4, 2001
Room 101		Door wall plaster - white	No asbestos		June 4, 2008
Room 101		window wall plaster - white	No asbestos		June 4, 2008
Room 101		ceiling plaster - white/grey	No asbestos		June 4, 2008
Room 102		South wall paint		0.12%	July 4, 2001

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Room 102		Ceiling plaster - grey	No asbestos		June 4, 2008
Room 102		Door wall plaster - white	No asbestos		June 4, 2008
Room 102		window wall plaster - grey	No asbestos		June 4, 2008
Room 104		East wall paint		0.12%	July 4, 2001
Room 104		Ceiling plaster - grey	No asbestos		June 4, 2008
Room 104		window wall plaster - white	No asbestos		June 4, 2008
Room 104		Door wall plaster - white	No asbestos		June 4, 2008
Room 105		West wall paint		0.01%	July 4, 2001
Room 105		Door wall plaster - white	No asbestos		June 4, 2008
Room 105		window wall plaster - white	No asbestos		June 4, 2008
Room 105		Ceiling plaster - white	No asbestos		June 4, 2008
Room 106		North wall paint		0.01%	July 4, 2001
Room 106		window wall plaster - white	No asbestos		June 4, 2008
Room 106		Ceiling plaster - grey	No asbestos		June 4, 2008
Room 106		Door wall plaster - white	No asbestos		June 4, 2008
Room 107		East wall paint		<0.01%	July 4, 2001
Room 107		window wall plaster - white	No asbestos		June 4, 2008
Room 107		Door wall plaster - white	No asbestos		June 4, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 107		Ceiling plaster - grey	No asbestos		June 4, 2008
Room 108		South wall paint		0.05%	July 4, 2001
Room 109		North wall paint		0.04%	July 4, 2001
Room 118		East wall paint		<0.01%	July 4, 2001
Room 118		Door wall plaster - white	No asbestos		June 4, 2008
Room 118		ceiling plaster - white	No asbestos		June 4, 2008
Room 118		window wall plaster - white	No asbestos		June 4, 2008
Room 119		East wall paint		<0.01%	July 4, 2001
Room 119		window wall plaster - white	No asbestos		June 4, 2008
Room 119		ceiling plaster - white	No asbestos		June 4, 2008
Room 119		Door wall plaster - white	No asbestos		June 4, 2008
Room 120		North wall paint		0.02%	July 4, 2001
Room 120		Ceiling plaster - white	No asbestos		June 4, 2008
Room 120		door wall plaster - white/grey	No asbestos		June 4, 2008
Room 120		window wall plaster - white	No asbestos		June 4, 2008
Room 121		paint on windows		0.00408%	June 23, 1999
Room 121		Ceiling paint		0.05351%	June 23, 1999
Room 121		West wall paint		0.27%	July 4, 2001
Room 121		window wall plaster - white	No asbestos		June 4, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 121		ceiling plaster - white	No asbestos		June 4, 2008
Room 121		door wall plaster - white	No asbestos		June 4, 2008
Room 122		North wall paint		0.06%	July 4, 2001
Room 122		door wall plaster - white	No asbestos		June 4, 2008
Room 122		window wall plaster - white	No asbestos		June 4, 2008
Room 122		Ceiling plaster - white/grey	No asbestos		June 4, 2008
Room 123		paint on drain		0.34766%	June 23, 1999
Room 123		South wall paint		0.06%	July 4, 2001
Room 123		window wall plaster	No asbestos		June 4, 2008
Room 123		door wall plaster - white	No asbestos		June 4, 2008
Room 123		ceiling plaster - white	No asbestos		June 4, 2008
Room 124		South wall paint		0.13%	July 4, 2001
Room 124		window wall plaster - white/grey	No asbestos		June 4, 2008
Room 124		door wall plaster - white	No asbestos		June 4, 2008
Room 124		ceiling plaster - white	No asbestos		June 4, 2008
Room 125		East wall paint		0.02%	July 4, 2001
Room 127		plaster	No asbestos		July 26, 2000
Room 127		door wall plaster - white	No asbestos		June 4, 2008
Room 127		ceiling plaster - white	No asbestos		June 4, 2008
Room 127		window wall plaster - white	No asbestos		June 4, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 130	1005	East window sill paint		0.208%	Sept. 15, 2000
Room 130	1005	window wall plaster - white	No asbestos		June 4, 2008
Room 130	1005	ceiling plaster - white	No asbestos		June 4, 2008
Room 130	1005	door wall plaster - white	No asbestos		June 4, 2008
Room 130	1005	ceiling texture coat - above dryers by heating pipes (NE corner) - white/grey	0.5 - 10% Chrysotile		Dec. 15, 2008
Room 130	1005	Plaster - east wall above blackboard (grey/white)	No asbestos		Mar. 2, 2009
Room 133		door wall plaster - white	No asbestos		June 4, 2008
Room 133		window wall plaster - white	No asbestos		June 4, 2008
Room 133		door wall plaster - white	No asbestos		June 4, 2008
Room 134		North wall paint		0.29%	July 4, 2001
Room 135		South wall paint		0.25%	July 4, 2001
Room 136		South wall paint		0.25%	July 4, 2001
Room 137		East wall paint		0.40%	July 4, 2001
Room 201		East wall paint		0.17%	July 4, 2001
Room 201		door wall plaster - white	No asbestos		May 13, 2008
Room 201		ceiling plaster - grey	No asbestos		May 13, 2008
Room 201		window wall plaster - white	No asbestos		May 13, 2008
Room 201 & 202		Ceiling tile	No asbestos		Sept. 28, 1994

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Room 201 & 203		Ceiling tile	No asbestos		Sept. 28, 1994
Room 202		West wall paint		0.07%	July 4, 2001
Room 202		ceiling plaster - grey	No asbestos		May 13, 2008
Room 202		door wall plaster - white	No asbestos		May 13, 2008
Room 202		window wall plaster - white	No asbestos		May 13, 2008
Room 203		West wall paint		0.44%	July 4, 2001
Room 203		window wall plaster - white	No asbestos		May 13, 2008
Room 203		ceiling plaster - white	No asbestos		May 13, 2008
Room 203		door wall plaster - white	No asbestos		May 13, 2008
Room 204		North wall paint		0.06%	July 4, 2001
Room 204		door wall plaster - white	No asbestos		May 13, 2008
Room 204		ceiling plaster - white/grey	No asbestos		May 13, 2008
Room 204		window wall plaster - white	No asbestos		May 13, 2008
Room 204A		East wall paint		<0.01%	July 4, 2001
Room 205		South wall paint		0.47%	July 4, 2001
Room 205		wall paint - beige		3.1%	April 18, 2008
Room 205		door wall plaster - white	No asbestos		May 13, 2008
Room 205		window wall plaster - white	No asbestos		May 13, 2008
Room 205		ceiling plaster - white	No asbestos		May 13, 2008
Room 206		North wall paint		0.09%	July 4, 2001

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 207		North wall paint		0.50%	July 4, 2001
Room 207		window wall plaster - white	No asbestos		May 13, 2008
Room 207		door wall plaster - grey	No asbestos		May 13, 2008
Room 207		ceiling plaster - white	No asbestos		May 13, 2008
Room 208		South wall paint		0.13%	July 4, 2001
Room 208		window wall plaster - white	No asbestos		May 13, 2008
Room 208		ceiling plaster - white	No asbestos		May 13, 2008
Room 208		door wall plaster - white	No asbestos		May 13, 2008
Room 209		Ceiling paint		0.182%	March 2, 1994
Room 209		Wall paint		0.254%	March 2, 1994
Room 209		East wall paint		0.20%	July 4, 2001
Room 209		ceiling plaster - white	No asbestos		May 13, 2008
Room 209		door wall plaster - white	No asbestos		May 13, 2008
Room 209		window wall plaster - white	No asbestos		May 13, 2008
Room 210		door wall plaster - white	No asbestos		May 13, 2008
Room 210		window wall plaster - white	No asbestos		May 13, 2008
Room 210		ceiling plaster - white	No asbestos		May 13, 2008
Room 210A		South wall paint		0.06%	July 4, 2001
Room 210A		West wall paint		0.05%	July 4, 2001

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 211		North wall paint		0.15%	July 4, 2001
Room 211		door wall plaster - white	No asbestos		May 13, 2008
Room 211		window wall plaster - white	No asbestos		May 13, 2008
Room 211		ceiling plaster - white/grey	No asbestos		May 13, 2008
Room 212		East wall paint		0.76%	July 4, 2001
Room 212		door wall plaster - white	No asbestos		May 13, 2008
Room 212		window wall plaster - white	No asbestos		May 13, 2008
Room 212		ceiling plaster - white	No asbestos		May 13, 2008
Room 213		South wall paint		0.63%	July 4, 2001
Room 213		door wall plaster - white	No asbestos		May 13, 2008
Room 213		window wall plaster - white	No asbestos		May 13, 2008
Room 213		ceiling plaster - white	No asbestos		May 13, 2008
Room 214		South wall paint		0.03%	July 4, 2001
Room 214		door wall plaster - white	No asbestos		May 13, 2008
Room 214		window wall plaster - white	No asbestos		May 13, 2008
Room 214		ceiling plaster - white	No asbestos		May 13, 2008
Room 215		Ceiling paint		0.059%	Aug. 24, 2000
Room 215		North wall paint		0.57%	July 4, 2001

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Room 215		door wall plaster - white	No asbestos		May 13, 2008
Room 215		window wall plaster - white	No asbestos		May 13, 2008
Room 215		ceiling plaster - white	No asbestos		May 13, 2008
Room 215		door wall plaster - white/grey	No asbestos		May 13, 2008
Room 216		ceiling paint		0.04758%	June 23, 1999
Room 216		West wall paint		0.15%	July 4, 2001
Room 216		window wall plaster - white	No asbestos		May 13, 2008
Room 216		ceiling plaster - white	No asbestos		May 13, 2008
Room 216		door wall plaster - white	No asbestos		May 13, 2008
Room 217		East wall paint		0.04%	July 4, 2001
Room 218		East wall paint		0.53%	July 4, 2001
Room 218		window wall plaster - white/grey	No asbestos		May 13, 2008
Room 218		ceiling plaster - white	No asbestos		May 13, 2008
Room 218		door wall plaster - white	No asbestos		May 13, 2008
Room 220		West wall paint		0.25%	July 4, 2001
Room 221		North wall paint		0.33%	July 4, 2001
Room 221		window wall plaster - white/yellow	No asbestos		May 13, 2008
Room 221		ceiling plaster - white	No asbestos		May 13, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 221		door wall plaster - white	No asbestos		May 13, 2008
Room 223		North wall paint		0.34%	July 4, 2001
Room 224		South wall paint		0.04%	July 4, 2001
Room 224		window wall plaster - white/yellow	No asbestos		May 13, 2008
Room 224		ceiling plaster - white	No asbestos		May 13, 2008
Room 224		door wall plaster - white	No asbestos		May 13, 2008
Room 225		West wall paint		0.52%	July 4, 2001
Room 225		door wall plaster - white	No asbestos		May 13, 2008
Room 225		window wall plaster - white	No asbestos		May 13, 2008
Room 225		ceiling plaster - white	No asbestos		May 13, 2008
Room 225		door wall plaster #1 - white/yellow	No asbestos		May 13, 2008
Room 225		door wall plaster #1 - white/yellow	No asbestos		May 13, 2008
Room 226		East wall paint		0.67%	July 4, 2001
Room 226		pipe paint along north wall		0.04%	July 4, 2001
Room 226		door wall plaster #1 - white	No asbestos		May 13, 2008
Room 226		door wall plaster #2 - white	No asbestos		May 13, 2008
Room 226		black board wall - white	No asbestos		May 13, 2008
Room 227		texture coat ceiling	10-25% Chrysotile		Nov. 22, 1989

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 227		South wall paint		0.15%	July 4, 2001
Room 227		door wall plaster - white	No asbestos		May 13, 2008
Room 227		window wall plaster - grey	No asbestos		May 13, 2008
Room 227		ceiling plaster - white	No asbestos		May 13, 2008
Room 228		East wall paint		0.75%	July 4, 2001
Room 228		Interior wall plaster - grey	No asbestos		May 13, 2008
Room 228		door wall plaster #1 - white/yellow	No asbestos		May 13, 2008
Room 228		door wall plaster #2 - white	No asbestos		May 13, 2008
Room 229		North wall paint		<0.01%	July 4, 2001
Room 229		Window wall plaster - white	No asbestos		May 13, 2008
Room 229		door wall plaster #1 - white	No asbestos		May 13, 2008
Room 229		door wall plaster #2 - white	No asbestos		May 13, 2008
Room 230		Fireproofing plaster on beam	No asbestos		Nov. 22, 1989
Room 301		East wall paint		0.06%	July 4, 2001
Room 301		wall plaster "above" ceiling - white	No asbestos		Aug. 18, 2003
Room 301		window wall plaster - white	No asbestos		April 1, 2008
Room 301		ceiling plaster - grey	No asbestos		April 1, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 301		door wall plaster - white	No asbestos		April 1, 2008
Room 302		East wall paint		0.03%	July 5, 2001
Room 302		window wall plaster - white	No asbestos		April 1, 2008
Room 302		ceiling plaster - white	No asbestos		April 1, 2008
Room 302		door wall plaster - white	No asbestos		April 1, 2008
Room 303		South wall paint		0.11%	July 5, 2001
Room 303		window wall plaster - white	No asbestos		April 1, 2008
Room 303		ceiling plaster - grey	No asbestos		April 1, 2008
Room 303		door wall plaster - white	No asbestos		April 1, 2008
Room 304		Ceiling paint		<0.001%	March 2, 1994
Room 304		North wall paint		<0.01%	July 5, 2001
Room 304		window wall plaster - white	No asbestos		April 1, 2008
Room 304		ceiling plaster - white	No asbestos		April 1, 2008
Room 304		door wall plaster - white	No asbestos		April 1, 2008
Room 305		West wall paint		<0.01%	July 4, 2001
Room 306		East wall paint		0.13%	July 4, 2001
Room 306		window wall plaster - white	No asbestos		April 1, 2008
Room 306		ceiling plaster - white	No asbestos		April 1, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 306		door wall plaster - white	No asbestos		April 1, 2008
Room 307		South wall paint		0.06%	July 4, 2001
Room 307		window wall plaster - white	No asbestos		April 1, 2008
Room 307		ceiling plaster - white/grey	No asbestos		April 1, 2008
Room 307		door wall plaster - white	No asbestos		April 1, 2008
Room 308		South wall paint		0.12%	July 4, 2001
Room 308		door wall plaster - white	No asbestos		April 1, 2008
Room 308		window wall plaster - white	No asbestos		April 1, 2008
Room 308		ceiling plaster - white	No asbestos		April 1, 2008
Room 309		South wall paint		0.07%	July 4, 2001
Room 309		door wall plaster - white	No asbestos		April 1, 2008
Room 309		window wall plaster - white/grey	No asbestos		April 1, 2008
Room 309		ceiling plaster - white/grey	No asbestos		April 1, 2008
Room 310		Ceiling paint		0.12%	March 2, 1994
Room 310		Ceiling paint		0.147%	Aug. 24, 2000
Room 310		North wall paint		0.22%	July 4, 2001
Room 310		Ceiling paint - beige		0.041%	April 18, 2008
Room 310		window wall plaster - white	No asbestos		April 1, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 310		ceiling plaster - white/grey	No asbestos		April 1, 2008
Room 310		door wall plaster - white	No asbestos		April 1, 2008
Room 312		East wall paint		<0.01%	July 4, 2001
Room 312		door wall plaster - white	No asbestos		April 1, 2008
Room 312		window wall plaster - white	No asbestos		April 1, 2008
Room 312		ceiling plaster - white/grey	No asbestos		April 1, 2008
Room 314		South wall paint		0.20%	July 4, 2001
Room 315		North wall paint		<0.01%	July 4, 2001
Room 315		brown door paint		0.02%	July 4, 2001
Room 315		door wall plaster - white	No asbestos		April 1, 2008
Room 315		window wall plaster - white	No asbestos		April 1, 2008
Room 315		ceiling plaster - white	No asbestos		April 1, 2008
Room 316		door wall plaster - white/grey	No asbestos		April 1, 2008
Room 316		window wall plaster - white/grey	No asbestos		April 1, 2008
Room 316		ceiling plaster - white/grey	No asbestos		April 1, 2008
Room 317		West wall paint		<0.01%	July 4, 2001
Room 317		door wall plaster - white	No asbestos		April 1, 2008
Room 317		window wall plaster - white	No asbestos		April 1, 2008
Room 317		ceiling plaster - white	No asbestos		April 1, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 318		Wall plaster - white/grey	No asbestos		June 8, 1999
Room 318		wall paint		0.11008%	June 23, 1999
Room 318		door wall plaster - white	No asbestos		April 1, 2008
Room 318		window wall plaster - white	No asbestos		April 1, 2008
Room 318		ceiling plaster - white	No asbestos		April 1, 2008
Room 319		South wall paint		0.23%	July 4, 2001
Room 319		door wall plaster - white	No asbestos		April 1, 2008
Room 319		window wall plaster - white	No asbestos		April 1, 2008
Room 319		ceiling plaster - white	No asbestos		April 1, 2008
Room 321		South wall paint		0.33%	July 4, 2001
Room 322		West wall paint		<0.01%	July 4, 2001
Room 322		door wall plaster - white	No asbestos		April 1, 2008
Room 322		window wall plaster - white	No asbestos		April 1, 2008
Room 322		ceiling plaster - white	No asbestos		April 1, 2008
Room 323		West wall paint		0.04%	July 4, 2001
Room 323		door wall plaster - white	No asbestos		April 1, 2008
Room 323		window wall plaster - white	No asbestos		April 1, 2008
Room 323		ceiling plaster - white	No asbestos		April 1, 2008
Room 324		East wall paint		0.10%	July 4, 2001
Room 324		door wall plaster - white	No asbestos		April 1, 2008
Room 324		window wall plaster - white	No asbestos		April 1, 2008

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 324		ceiling plaster - white	No asbestos		April 1, 2008
Room 326		East wall paint		<0.015	July 4, 2001
Room 326		exit door wall plaster - white	No asbestos		April 1, 2008
Room 326		door wall plaster - white	No asbestos		April 1, 2008
Room 326		door plaster - white	No asbestos		April 1, 2008
Room 327		Ceiling plaster	No asbestos		Dec. 13, 1994
Room 327		South wall paint		0.08%	July 5, 2001
Room 327		door wall plaster - white/grey	No asbestos		April 1, 2008
Room 327		door wall plaster - white	No asbestos		April 1, 2008
Room 327		window wall plaster - white	No asbestos		April 1, 2008
Room 328		North wall paint		0.12%	July 5, 2001
Room 328		door wall plaster - white/yellow	No asbestos		April 1, 2008
Room 328		door wall plaster - white	No asbestos		April 1, 2008
Room 328		window wall plaster - grey	No asbestos		April 1, 2008
Room 329		West wall paint		0.26%	July 5, 2001
Room 330		West wall paint		<0.01%	July 4, 2001
Room 330		West wall paint		0.15%	July 5, 2001
Room 332		South wall paint		0.21%	July 5, 2001
Room 332		window wall plaster - white	No asbestos		April 1, 2008
Room 332		window wall plaster - white	No asbestos		April 1, 2008
Room 332		door wall plaster - white	No asbestos		April 1, 2008

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Room 333		West wall paint		0.11%	July 5, 2001
Room 333		wall plaster above inner door - white/brown	No asbestos		May 11, 2006
Room 333		Wall plaster below cupboards - white/brown	No asbestos		May 11, 2006
Room 333		Ceiling plaster by drain pipe - white/brown	No asbestos		May 11, 2006
Room 333		window wall plaster - grey	No asbestos		April 1, 2008
Room 333		window wall plaster - white	No asbestos		April 1, 2008
Room 333		door wall plaster - white	No asbestos		April 1, 2008
Room 334		East wall paint		0.19%	July 5, 2001
Room 334		door wall plaster - grey	No asbestos		April 1, 2008
Room 334		door wall plaster - grey	No asbestos		April 1, 2008
Room 334		black board wall - white	No asbestos		April 1, 2008
Room 335		Ceiling plaster	No asbestos		Dec. 13, 1994
Room 335		Yellow metal door paint		1.40%	July 4, 2001
Room 335		North wall paint		0.05%	July 5, 2001
Room 335		window wall plaster - white	No asbestos		April 1, 2008
Room 335		window wall plaster - white	No asbestos		April 1, 2008
Room 335		door wall plaster - grey	No asbestos		April 1, 2008
Room 336		East wall paint		0.13%	July 5, 2001

SCHOOL ID	LOCATION ID#	MATERIAL	ASBESTOS CONTENT & TYPE	LEAD CONTENT	RESULTS DATED
Room 336		ceiling plaster - white/grey	No asbestos		April 1, 2008
Room 336		window wall plaster - white	No asbestos		April 1, 2008
Room 336		door wall plaster - white	No asbestos		April 1, 2008
Room 337		Brown metal door paint		0.43%	July 4, 2001
Room 337		North wall paint		0.99%	July 5, 2001
Room 337		ceiling plaster - white/grey	No asbestos		April 1, 2008
Room 337		window wall plaster - white	No asbestos		April 1, 2008
Room 337		door wall plaster - white	No asbestos		April 1, 2008
Room 401		Ceiling paint		0.199%	March 2, 1994
Room 401		North wall paint		<0.01%	July 4, 2001
Room 402		South wall paint		0.09%	July 4, 2001
Room 403		South wall paint		1.51%	July 4, 2001
Room 403		wall paint - beige		0.081%	April 18, 2008
Room 404		sheet flooring	No asbestos		Nov. 22, 1989
Room 404A		West wall paint		0.05%	July 4, 2001
Room 405		Plaster - west side		0.29%	Aug. 18, 2003
Room 405		wall plaster "above" ceiling - west room - white	No asbestos		Aug. 18, 2003
Room B2 - W.C.		Ceiling plaster	No asbestos		Nov. 22, 1989
Staff room		window wall plaster - white	No asbestos		June 4, 2008
Staff room		door wall plaster - grey	No asbestos		June 4, 2008

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Staff room		Ceiling plaster - white	No asbestos		June 4, 2008
Stage		wall plaster - cream	1-10% Chrysotile		Feb. 8, 1994
Stage		plaster above stage	No asbestos		Feb. 10, 1994
Stairwell - abondoned		wall paint		0.285%	Aug. 29, 1996
Stairwell - abondoned		wall plaster- white/brown	No asbestos		Aug. 29, 1996
Stairwell - NW (2nd/3rd fl)		paint		0.281%	Oct. 25, 1993
Stairwell - south		red door paint		0.13%	July 4, 2001
Stairwell #10 - aud. Stairs across rm. 118		wall plster - balcony stairwell - white/light brown	No asbestos		April 6, 2006
Stairwell #10 - aud. Stairs across rm. 118		wall plaster - top of stairwell by balcony - light brown	No asbestos		April 6, 2006
Stairwell #10 - aud. Stairs across rm. 118		wall plaster - ground floor - back side of wall facing doors - light brown	No asbestos		April 6, 2006
Stairwell between 1st/2nd floor (SE)		plaster	No asbestos		July 26, 2000
Stairwell between 1st/2nd floor (SW)		plaster	No asbestos		July 26, 2000
Stairwell between 2nd/3rd floor (NE)		plaster	No asbestos		July 26, 2000
Stairwell between 2nd/3rd floor (SE)		plaster	No asbestos		July 26, 2000
Stairwell between 2nd/3rd floor (SW)		plaster	No asbestos		July 26, 2000
Stairwell by elevator rm.		paint		0.05125%	June 23, 1999

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Storage - science		South wall paint		<0.01%	July 4, 2001
Storage rm. Between rm. 301/302		West wall paint		0.16%	July 5, 2001
Storage rm. Off B/R		Ceiling paint		0.100%	March 2, 1994
Storage rm. Off B/R		Wall paint		0.178%	March 2, 1994
Storage room - boiler		drain pipe paint - silver		0.93%	April 18, 2008
Storage room - boiler		wall paint - yellow		0.26%	April 18, 2008
Tool room		Ceiling plaster	No asbestos		Feb. 24, 1994
Tool room		Ceiling paint		3.020%	Feb. 24, 1994
Tunnel		south front, grey material on floor - grey	No asbestos		Sept. 10, 2008
Washroom - 1st floor - boys		window wall plaster - white	No asbestos		June 4, 2008
Washroom - 1st floor - boys		ceiling plaster - white/yellow	No asbestos		June 4, 2008
Washroom - 1st floor - boys		door wall plaster - white/yellow	No asbestos		June 4, 2008
Washroom - boys - 2nd floor		window wall plaster - white	No asbestos		May 13, 2008
Washroom - boys - 2nd floor		ceiling plaster - white	No asbestos		May 13, 2008
Washroom - boys - 2nd floor		door wall plaster - white	No asbestos		May 13, 2008
Washroom - boys - 2nd floor - by elevator		window wall plaster - grey	No asbestos		May 13, 2008
Washroom - boys - 2nd floor - by elevator		ceiling plaster - white	No asbestos		May 13, 2008

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Washroom - boys - 2nd floor - by elevator		door wall plaster - white	No asbestos		May 13, 2008
Washroom - boy's - 3rd floor		ceiling plaster - white	No asbestos		April 1, 2008
Washroom - boy's - 3rd floor		window wall plaster - white	No asbestos		April 1, 2008
Washroom - boy's - 3rd floor		door wall plaster - white	No asbestos		April 1, 2008
Washroom - boys; 3rd fl		Ceiling paint		0.17%	July 5, 2001
Washroom - girls - 2nd floor		window wall plaster - white	No asbestos		May 13, 2008
Washroom - girls - 2nd floor		ceiling plaster - white	No asbestos		May 13, 2008
Washroom - girls - 2nd floor		door wall plaster - white	No asbestos		May 13, 2008
Washroom - girls - 2nd floor - by rm. 211		ceiling plaster - white	No asbestos		May 13, 2008
Washroom - girls - 2nd floor - by rm. 211		door wall plaster - white	No asbestos		May 13, 2008
Washroom - girls - 2nd floor - by rm. 211		window wall plaster - white	No asbestos		May 13, 2008
Washroom - girl's - 3rd floor		wall plaster - white	No asbestos		April 1, 2008
Washroom - girl's - 3rd floor		window wall plaster - white	No asbestos		April 1, 2008
Washroom - girl's - 3rd floor		door wall plaster - white/grey	No asbestos		April 1, 2008
Washroom - girls - by office		ceiling plaster - white/yellow	No asbestos		June 4, 2008

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***
Washroom - girls - by office		window wall plaster - white	No asbestos		June 4, 2008
Washroom - girls - by office		ceiling plaster - white	No asbestos		June 4, 2008
Washroom - girls - by rm. 108		Door wall plaster - white	No asbestos		June 4, 2008
Washroom - girls - by rm. 108		Ceiling plaster - off white/yellow	No asbestos		June 4, 2008
Washroom - girls - by rm. 108		window wall plaster - white	No asbestos		June 4, 2008
Washroom - gym		ceiling plaster	No asbestos		Sept. 25, 1996
Washroom - Principals'	8079	Ceiling paint		0.30%	Feb. 10 2010
Weight room (B8)		North wall paint		0.28%	March 11, 2005
Woodshop		door wall plaster - white	No asbestos		June 4, 2008
Woodshop		window wall plaster - white	No asbestos		June 4, 2008
Woodshop		door wall plaster - white	No asbestos		June 4, 2008

WESTDALE SCHOOL - SAMPLE RESULTS

SCHOOL ID	***LOCATION ID#***	***MATERIAL***	***ASBESTOS CONTENT & TYPE***	***LEAD CONTENT***	***RESULTS DATED***