

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Abbotsford Traditional Campus
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> December 2021
	Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. In all areas with mechanical ventilation scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 7 HEPA units on site in upper floors for comfort during renovation
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed CO2 setpoint lowered
Other Relevant Information:	Mechanical ventilation
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Abby Middle
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> February 2022
	Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 1 HEPA unit in music room and 1 HEPA unit in Youth Care Worker Room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> Automation control systems updated Occupancy sensors bypassed CO2 setpoint lowered
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Abby Senior / Abby Arts
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> February 2022
	Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 1 HEPA unit located in Abby Arts Addition and 1 unit located in Abby Senior Music Room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> Occupancy sensors bypassed CO2 setpoint lowered Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Abby Virtual
HVAC Description:	Natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> March 2022 Date of next inspection: <ul style="list-style-type: none"> June 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> In portables system has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. Where possible open classroom hallway doors & windows to increase air exchange
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> The current filter is being used is the highest-grade available for optimal functioning of this ventilation system. MERV 13 filtration is being trialled on a site-by-site basis to mitigate system malfunction. Where system performance capacity has been confirmed, upgrades will be communicated. MERV11s in portables
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: 6 HEPA units on site
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	No Detail: NA
Other Relevant Information:	Furnaces in portables and natural systems throughout
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Aberdeen
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> March 2022
	Date of next inspection: <ul style="list-style-type: none"> June 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy Fan speeds increased
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> The current filter is being used is the highest-grade available for optimal functioning of this ventilation system. MERV 13 filtration is being trialled on a site-by-site basis to mitigate system malfunction. Where system performance capacity has been confirmed, upgrades will be communicated. MERV10s throughout site, with MERV13 trial in progress.
RECOMMENDATION: Use other air cleaning or treatment technologies	No
	Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> Occupancy sensors bypassed Automation control systems updated CO2 setpoint lowered
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Alexander
HVAC Description:	Combination of mechanical and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout the site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> There are 12 HEPA units on site
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation control systems updated Motion sensors bypassed
Other Relevant Information:	Combination of mechanical and natural ventilation
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Asia North Poplar
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation control system updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Asia Sumas
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> February 2022
	Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with increased 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 1 HEPA unit in music room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> CO2 setpoints lowered Automation control systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Auguston
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	<p>Yes</p> <p>Date of last inspection:</p> <ul style="list-style-type: none"> February 2022 <p>Date of next inspection:</p> <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	<p>Yes</p> <p>Detail:</p> <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	<p>Yes</p> <p>Detail (Including filter grade):</p> <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	<p>No</p> <p>Detail:</p> <p>N/A</p>
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	<p>Yes</p> <p>Detail:</p> <ul style="list-style-type: none"> Automation control system updated Motion sensors bypassed CO2 setpoints lowered
Other Relevant Information:	N/A
District Contact for and Questions:	<p>Bob Beukers</p> <p>Manager, Electrical and Mechanical</p> <p>604 – 897 – 0499</p> <p>bob.beukers@abbyschools.ca</p>

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Bakerview
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout the site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation control systems updated Occupancy sensors bypassed CO2 setpoint lowered
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Blue Jay
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems	Yes Date of last inspection: <ul style="list-style-type: none"> December 2021 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV 13s installed throughout the site.
RECOMMENDATION: Use other air cleaning or treatment technologies	N/A Detail:
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation control systems updated Occupancy sensors bypassed CO2 setpoint lowered
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Bradner
HVAC Description:	Combination of mechanical and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems	Yes Date of last inspection: <ul style="list-style-type: none"> December 2021 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. In all areas with mechanical ventilation a scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased where possible.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV 10s throughout the site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 4 HEPA units on site in rooms with natural ventilation
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Motion sensors bypassed Automation controls systems updated CO2 setpoint lowered
Other Relevant Information:	Combination of mechanical and natural ventilation
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	C & G Howe
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> January 2022
	Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No
	Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> CO2 setpoint lowered Automation controls systems updated Occupancy sensor bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Centennial Park
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> February 2022
	Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Increased fan speed
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No
	Detail: NA
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed CO2 setpoint lowered
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Clayburn Middle
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> January 2022
	Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 1 HEPA unit in music room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> CO2 setpoint lowered Occupancy sensors bypassed Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Chief Dan George
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> January 2022
	Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Increased fan speed
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 2 HEPA units in music rooms
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> CO2 setpoint lowered Occupancy sensors bypassed Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Clearbrook
HVAC Description:	Combination of mechanical and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout the site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 4 HEPA units on site
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	Combination of mechanical and natural ventilation
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	C.O.R.E (and Annex)
HVAC Description:	Combination of mechanical and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> December 2021
	Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> Localized control of ventilation only.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 3 HEPA units on site in rooms with natural ventilation (Annex only)
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> No building automation at site.
Other Relevant Information:	Combination of mechanical and natural ventilation
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	C.O.R.E (and Annex)
HVAC Description:	Combination of mechanical and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> Localized control of ventilation only.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 3 HEPA units on site in rooms with natural ventilation (Annex only)
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> No building automation at site.
Other Relevant Information:	Combination of mechanical and natural ventilation
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Dave Kandal
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> December 2021 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased where possible.
<ul style="list-style-type: none"> RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible 	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	N/A Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Motion sensors bypassed Automation controls systems updated CO2 setpoint lowered
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Dormick Park
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Increased fan speed
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Motion sensors bypassed Automation controls systems updated CO2 setpoint lowered
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Eugene Reimer
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> December 2021
	Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 1 HEPA unit located in the music room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> CO2 setpoint lowered Occupancy sensors bypassed Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Godson
HVAC Description:	Combination of mechanical and natural ventilation – door grates and hallway exhaust fan installed as part of ventilation upgrades
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> February 2022
	Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. Where possible, a scheduled fresh air purge brings on ventilation with increased outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 18 HEPA units on site in rooms with natural ventilation
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> CO2 setpoint lowered Motion sensors bypassed Automation controls systems updated
Other Relevant Information:	<ul style="list-style-type: none"> Natural ventilation rooms– door grates and hallway exhaust fan installed as part of ventilation upgrades spring 2021.
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Harry Sayers
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> December 2021
	Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No
	Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Details: <ul style="list-style-type: none"> Automation control systems updated CO2 setpoints lowered Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Indigenous Centre
HVAC Description:	Combination mechanical (gym and portable) and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> Open classroom hallway doors & windows to create cross ventilation
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s in gym and portable.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 8 HEPA units on site in rooms with natural ventilation
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	No Detail: N/A
Other Relevant Information:	Combination mechanical (gym and portable) and natural ventilation
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	I.T.C.
HVAC Description:	Combination of mechanical and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13 in fan coil unit, washable filters in window shakers.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none">
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> No building automation at site.
Other Relevant Information:	Combination of mechanical and natural ventilation
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Jackson
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> December 2021 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	John Maclure
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> Supply of outside air has been increased based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> CO2 setpoints lowered Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	King
HVAC Description:	Combination of mechanical and natural ventilation systems
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> March 2022 Date of next inspection: <ul style="list-style-type: none"> June 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> Charcoal filters installed for odor as a result of 2018 AQ investigation re: offsite manure plant.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 4 HEPA units on site in rooms with natural ventilation
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Heat recovery ventilator added to 135, 137 and 139 pre-2019 to increase outdoor air mitigating impacts to indoor temp. Motion sensors bypassed
Other Relevant Information:	Combination of mechanical and natural ventilation systems
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Margaret Stenersen
HVAC Description:	Combination of mechanical and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. In all areas with mechanical ventilation scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 10 HEPA units installed in rooms with natural ventilation
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed CO2 setpoint lowered
Other Relevant Information:	Combination of mechanical and natural ventilation
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Matsqui
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Occupancy sensors bypassed Co2 setpoint lowered
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	McMillan
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Mountain
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. Where possible, a scheduled fresh air purge brings on ventilation with increased outside air for 2 hours prior to occupancy. Fan speeds increased
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> CO2 setpoint lowered Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Mt Lehman
HVAC Description:	Combination of mechanical and natural ventilation systems
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: December 2021
	Date of next inspection: April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. Merv13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 7 HEPA units on site in rooms with natural ventilation
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	Combination of mechanical and natural ventilation systems
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499
	bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Prince Charles
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on 100% outside air for 2 hours prior to occupancy. Fan speeds increased.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> CO2 setpoint lowered Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Rick Hansen
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> December 2021 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 1 HEPA unit on site in room with natural ventilation.
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Occupancy sensors bypassed CO2 setpoints lowered Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Robert Bateman
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> January 2022
	Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 1 HEPA unit located in the music room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> CO2 sensors lowered Occupancy sensors bypassed Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Roberta Bondar
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Ross
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> March 2022 Date of next inspection: <ul style="list-style-type: none"> June 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> The current filter is being used is the highest-grade available for optimal functioning of this ventilation system. MERV 13 filtration is being trialed on a site-by-site basis to mitigate system malfunction. Where system performance capacity has been confirmed, upgrades will be communicated. MERV10s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Sandy Hill
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	School Board Office
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Occupancy sensors bypassed Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	South Poplar
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> December 2021 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Occupancy sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Ten-Broeck
HVAC Description:	Combination of mechanical and natural ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes
	Date of last inspection: <ul style="list-style-type: none"> December 2021
	Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes
	Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. In all areas with mechanical ventilation scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes
	Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes
	Detail: <ul style="list-style-type: none"> 4 HEPA units on site in rooms with natural ventilation
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes
	Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed CO2 setpoint lowered
Other Relevant Information:	Combination of mechanical and natural ventilation
District Contact for and Questions:	Bob Beukers
	Manager, Electrical and Mechanical
	604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Terry Fox
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s' throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Thomas Swift
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout
RECOMMENDATION: Use other air cleaning or treatment technologies	No Detail: N/A
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> CO2 setpoints lowered Automation controls systems updated Motion sensors bypassed
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	WA Fraser
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: • February 2022 Date of next inspection: • May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: • System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. • A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. • Fan speeds increased where possible.
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): • MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. • MERV13s throughout site
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: • 1 HEPA unit located in the music room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: • Occupancy sensors bypassed • CO2 setpoint lowered • Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	WJ Mouat
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> January 2022 Date of next inspection: <ul style="list-style-type: none"> April 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased to 100% during operational hours
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 1 HEPA unit installed in the music room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Occupancy sensors bypassed CO2 setpoint lowered Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca

Ventilation Systems Overview



School District:	Abbotsford (SD34)
School Name:	Yale
HVAC Description:	Mechanical ventilation
REQUIREMENT: Regular inspection and maintenance of HVAC systems & natural ventilation	Yes Date of last inspection: <ul style="list-style-type: none"> February 2022 Date of next inspection: <ul style="list-style-type: none"> May 2022
RECOMMENDATION: Increase supply of outside air	Yes Detail: <ul style="list-style-type: none"> System has been adjusted to allow for an increased supply of outside air based on recommended guidelines issued by our mechanical engineering consultants, based on ASHRAE standards. A scheduled fresh air purge brings on ventilation with 100% outside air for 2 hours prior to occupancy. Fan speeds increased
RECOMMENDATION: Upgrade filtration, including installing MERV-13 filters, where possible	Yes Detail (Including filter grade): <ul style="list-style-type: none"> MERV 13 filtration trial successful; system performance capacity confirmed, upgrades to MERV 13 completed. MERV13s throughout site.
RECOMMENDATION: Use other air cleaning or treatment technologies	Yes Detail: <ul style="list-style-type: none"> 1 HEPA unit located in the music room
RECOMMENDATION: Manage energy use and air distribution through building automation control systems	Yes Detail: <ul style="list-style-type: none"> Occupancy sensors bypassed CO2 setpoint lowered Automation controls systems updated
Other Relevant Information:	N/A
District Contact for and Questions:	Bob Beukers Manager, Electrical and Mechanical 604 – 897 – 0499 bob.beukers@abbyschools.ca