

Permit Number:

2 1 0 0 2 2 2 1

GP



Applicant:

Snyder Architects Inc.

Permit Address:

1433 Baldwin St.
Burlington

Notice of inspection at each construction stage

The permit holder shall notify the Chief Building Official of each stage of construction for which a mandatory notice is required under Div.C, 1.3.5.1 of the 2012 Ontario Building Code. The permit holder shall provide the notice of completion as prescribed by Section 11 of the Act, or where occupancy is required prior to completion, notice of inspection to ensure compliance with Section 11 of the Act and Div. C, 1.3.3.1 of the 2012 OBC.

To book your inspections please call your inspector directly using the inspector's call number provided. We will make every attempt to meet your inspection request; however, we cannot guarantee arrival times. Reviewed permit drawings **must** be on site.

CALL FOR INSPECTIONS AT THESE CONSTRUCTION STAGES

<p>Building</p> <p><i>INSPECTION</i></p> <ul style="list-style-type: none"> • Commencement of Construction • Footings • Foundation prior to Backfill • Structural Framing per Storey • Fire Separations • Completion of Interior Finish • Pool – Deck / Dressing Rooms • Pool – Emergency Stop System • Occupancy • Final <p>Plumbing</p> <p><i>INSPECTION</i></p> <ul style="list-style-type: none"> • Commencement of Construction • Sewers & Drains • Water Service Pipes • Fire Service Mains • Water Distribution • Drainage & Venting • Fixtures/Appliances • Plumbing Outside a Structure • Pool - Suction/Gravity Outlets/Piping • Pool - Circulation/Recirculation Completion • Occupancy • Final 	<p>HVAC (Heating/Ventilating/Air Conditioning)</p> <p><i>INSPECTION</i></p> <ul style="list-style-type: none"> • Commencement of Construction • Rough-in • Insulation/Vapour • Air Barrier • Fire Separations • Masonry Fireplace & Chimney • Factory Built Fireplace & Chimney • Solid Fuel Appliance & Chimney • Occupancy • Final <p>Life Safety</p> <p><i>INSPECTION</i></p> <ul style="list-style-type: none"> • Commencement of Construction (Fire Protection Systems) • Rough-in of Fire Protection System (Floor by Floor) • Completion of Fire Protection Systems • Fire Access Route • Occupancy • Final <p>Septic</p> <p><i>INSPECTION</i></p> <ul style="list-style-type: none"> • Septic - Readiness to Construct • Septic - Prior to Backfill • Septic – Final
--	--

Prescribed Inspection Timeframes (OBC Div. C, Article 1.3.5.3.)

(1) Except as provided in Sentence (2), an *inspector* shall, not later than two days after receipt of a notice given, undertake a site inspection of the *building* to which the notice relates.

(2) Where a notice is given, an *inspector* shall, not later than five days after receipt of the notice, undertake a site inspection of the *sewage system* to which the notice relates.

(3) When undertaking an inspection required under Sentence (1) or (2), the *inspector* may consider reports concerning whether the *building* or a part of the *building* complies with the Act or the Ontario Building Code.

(4) The time periods referred to in Sentences (1) and (2) shall begin on the day following the day on which the notice is given.

(5) The time periods referred to in Sentences (1) and (2) shall not include Saturdays, holidays and all other days when the offices of the *principal authority* are not open for the transaction of business with the public.

NOTE: Section 13. (6) Order to Uncover of the Building Code Act states as follows:

"A Chief Building Official or registered code agency who has reason to believe that part of the building that is covered or enclosed has not been constructed in compliance with this Act or the Building Code may order the persons responsible for the construction, to uncover the part at their own expense for the purpose of an inspection."

REMEMBER TO CALL FOR INSPECTIONS

OVER 0

GENERAL NOTES

All construction to meet the requirements of the 2012 Ontario Building Code.

Separate permits required for any further work not shown on these drawings.

Existing construction may require upgrading - subject to field inspection.

Where non-combustible construction is required, any combustible materials to comply with Div. B, 3.1.5 OBC (non-combustible construction).

Integrity of existing corridors, exiting, and fire separations to be maintained.

Gas lines to be located, installed and pressure tested in accordance with the Gas Utilization Code.

The exposed surface of every wall and ceiling shall have a **SURFACE FLAME SPREAD** of not more than 150. (Not over 25 in exits).

LOCKING, LATCHING and other fastening devices on every *exit* door shall permit the door to be readily opened from the inside with not more than one releasing operation and without requiring keys, special devices or specialized knowledge of the door opening mechanism except as provided in Div. B, 3.4.6.11 OBC.

All PLUMBING AND DRAIN WORK to be carried out in accordance with Div. B, Part 7 of the Ontario Building Code and to the satisfaction of the Burlington Plumbing Inspector. Lead free solder required in potable water system.

FIRE DAMPERS to be installed wherever ducts pierce required fire separations.

BARRIER-FREE DESIGN New building or addition to be designed in accordance with Div. B, Section 3.8 OBC,

EMERGENCY LIGHTING to be provided to average levels at least 0.9 ft-candles (10 lx), minimum (1 lx), at floor or tread level in exits, corridors used by the public, and in principal routes providing access to exit in open floor areas (see Div. B, 3.2.7.3. OBC). Exit Signs in accordance with Div. B, 3.4.5. OBC.

Additional and/or revised emergency lighting, exit lighting may be required subject to field approval.

FIRE EXTINGUISHERS to be provided in conformance with the Ontario Fire Code and to the satisfaction of the Burlington Building Inspector.

FIRE ALARM SYSTEM to be installed and verified by manufacturer's representative, to the requirements of OBC Div. B, 3.2.4 and CAN/ULC-S524-M and CAN/ULC-S537-M. Separate Ontario Hydro Fire Alarm Permit is also required. Additional fire alarm devices may be required subject to field approval.

SPRINKLER SYSTEM & MONITORING to be in conformance with NFPA-13 and Div. B, 3.2.2.18 OBC. Siamese connection to be within 148' (45m) of a fire hydrant.

SEPARATE BUILDING PERMIT REQUIRED FOR SIGNS (Div. B, 3.15 OBC). Signs to meet City of Burlington Sign By-law also. For information, contact a By-law Enforcement Officer in the Building Department.

NOTICE

It is the responsibility of the Designer, Owner and/or Operator to ensure that the building and processes to be carried on following occupancy, will meet the requirements of the Ontario Fire Code, to the satisfaction of the Burlington Fire Department. Please Contact the **Fire Prevention Office at 905-637-9536.**

**OWNER COMMITMENT TO HAVE GENERAL REVIEW UNDERTAKEN
BY ARCHITECTS AND/OR PROFESSIONAL ENGINEERS**

PART A - TO BE COMPLETED BY OWNER

Project Description:
Interior renovations including: relocation/renovation of existing office space, provision of new Universal Washroom. Also, there will be a replacement of some existing windows.

Permit Application No.

Address of Project:

1433F Baldwin Street, Burlington, Ontario, L7S 1K4

CITY OF BURLINGTON
BUILDING DEPARTMENT

Municipality:

City of Burlington

WHEREAS the Building Code Act prohibits the construction or demolition of a building if a permit authorizing the construction or demolition has not been issued, and

WHEREAS the Building Code requires that the construction or demolition of the project indicated have general review undertaken by architects and/or professional engineers that are licensed to practice in Ontario, and

WHEREAS general review shall not commence until a permit is issued.

- NOW THEREFORE the Owner, who intends to construct or demolish or have the project indicated constructed or demolished, hereby confirms that:
1. The undersigned architect(s) and/or professional engineer(s) have been retained to undertake general review of the construction or demolition of the project indicated to determine whether construction or demolition of the project indicated is in general conformity with the plans and other documents that form the basis for the issuance of a permit, with general review undertaken in accordance with the performance standards of the Ontario Association of Architects (OAA) and/or Professional Engineers Ontario (PEO);
 2. All general review reports by the architect(s) and/or professional engineer(s) will be forwarded promptly to the Chief Building Official;
 3. Should any retained architect or professional engineer cease to provide general review for any reason during construction or demolition, the Chief Building Official will be notified in writing immediately, and another architect or professional engineer will be retained so that general review continues without interruption;
 4. Construction or demolition of the project indicated will only be undertaken if architect(s) and/or professional engineer(s) are retained to undertake general review and a permit authorizing the construction or demolition has been issued; and
 5. The architect(s) and/or professional engineer(s) listed below will be notified in writing of the start date of the construction or demolition of the project indicated and that no construction or demolition will commence before the start date given in the notification.

The undersigned hereby certifies that he or she has read and agrees to the above.

Owner's Company Name:	First and Last Name:	Signature:	Date:
Halton District School Board	Tom Hutcheson		Nov. 16, 2020

Owner's Address:	Telephone:	Fax:	Email:
2050 Guelph Line, Burlington, Ontario	905-335-3665	905-331-1874	hutchesont@hdsb.ca

Company name of the coordinator of the work of all architects and professional engineers:	First and Last Name:
Snyder Architects Inc.	Dorota Gajewnik

Address:	Telephone:	Fax:	Email:
260 King Street East, Unit A101, Toronto, On	416-966-5444	416-966-4443	dgajewnik@snyderarchitects.ca

PART B - TO BE COMPLETED BY ARCHITECTS AND PROFESSIONAL ENGINEERS

The undersigned architect(s) and/or professional engineer(s) hereby declare that they are licensed to practice in Ontario and have been retained to undertake general review of the parts of construction or demolition of the project indicated to determine whether the construction or demolition is in general conformity with the plans and other documents that form the basis for the issuance of a permit, with general review completed in accordance with the performance standards of the OAA and/or PEO.

<input checked="" type="checkbox"/> ARCHITECTURAL	<input type="checkbox"/> STRUCTURAL	<input type="checkbox"/> MECHANICAL	<input type="checkbox"/> ELECTRICAL	<input type="checkbox"/> SITE SERVICES	<input type="checkbox"/> OTHER:	Date: Jan 26 2021
---	-------------------------------------	-------------------------------------	-------------------------------------	--	---------------------------------	-------------------

Company Name:	First and Last Name:	Signature:	Date:
Snyder Architects Inc.	Avinash Garde		

Address:	Telephone:	Fax:	Email:
260 King Street East, Unit A101, Toronto, On	416-966-5444	416-966-4443	agarde@snyderarchitects.ca

<input type="checkbox"/> ARCHITECTURAL	<input checked="" type="checkbox"/> STRUCTURAL	<input type="checkbox"/> MECHANICAL	<input type="checkbox"/> ELECTRICAL	<input type="checkbox"/> SITE SERVICES	<input type="checkbox"/> OTHER:	Date: Nov. 24, 2020
--	--	-------------------------------------	-------------------------------------	--	---------------------------------	---------------------

Company Name:	First and Last Name:	Signature:	Date:
Moon Matz Ltd.	Hongxing Xin		Nov. 24, 2020

Address:	Telephone:	Fax:	Email:
2902 South Sheridan Way, Oakville, On.	905-274-7556	905-274-5382	cmatz@moon-matz.com

<input type="checkbox"/> ARCHITECTURAL	<input type="checkbox"/> STRUCTURAL	<input checked="" type="checkbox"/> MECHANICAL	<input type="checkbox"/> ELECTRICAL	<input type="checkbox"/> SITE SERVICES	<input type="checkbox"/> OTHER:	Date: 24 Nov, 2020
--	-------------------------------------	--	-------------------------------------	--	---------------------------------	--------------------

Company Name:	First and Last Name:	Signature:	Date:
CK Engineering Inc.	Chandra Kuruppu		24 Nov, 2020

Address:	Telephone:	Fax:	Email:
3390 South Service Road, Suite 302, Burlington, On	905-631-1115		chandra.kuruppu@ckengs.net

Feb 23, 2021
Planning & Building Department
426 Brant Street, P.O. Box 5013
Burlington, ON L7R 3Z6
Attn: Nick Anastasopolous, CBO

File: 2005-4.4.01

**Re: Burlington Central High School Renovations
1433 Baldwin Street**

Permit Clarifications:

Dear Nick:

Please find below clarifications as discussed with Plans Examiner Mr. Anil Kumar:

1	Fire Rated Glass GL2: Glass specification is as follows: 5mm thick fire-rated and impact safety-rated glass ceramic with surface-applied safety film; impact safety rating meeting ANSIZ97.1, Class A and CPSC 16 CFR 1201, Categories I and II; Clear style, polished one side; Standard Grade; 88 percent visible light transmittance, 9 percent visible light reflectance; 90-minute fire rating when tested to CAN/ULC S104 and CAN/ULC-S106; eg. FireLite NT Standard by Technical Glass Products Inc.
2	Screen S05 (dwg 3/A800 and detail 1/A501): The screen is a Fire-Rated Glasswall Assembly confirming to cUL#U531; Fireframes Clearview System by Technical Glass Products. Fire-Rated Glass to be 27 mm thick laminated low-iron float glass with clear intumescent interlayers, fire-rated and impact safety-rated to ANSIZ97.1, Class A and CPSC 16 CFR 1201, Categories I and II; Clear style, Premium grade finish; Pyrostop 60-201 by Pilkington Glass North America, Inc.
3	We confirm that as noted on the OBC Data matrix on dwg A101, there is no reduction in structural performance, per OBC Part 11. New joists have been proposed at the roof level next to existing joists in order not to rely on existing joists due to an abundance of safety.

We trust this clarifies the items, and look forward to your approval.

Yt,



Avinash Garde G.D.Arch., OAA, MRAIC, LEED AP
Principal
Snyder Architects

**ALL CONSTRUCTION TO
MEET ONTARIO BUILDING
CODE REQUIREMENTS.**

File: 2005-4.4.01

Feb 24, 2021
Planning & Building Department
426 Brant Street, P.O. Box 5013
Burlington, ON L7R 3Z6
Attn: Nick Anastasopolous, CBO

**Re: Burlington Central High School Renovations
1433 Baldwin Street**

Permit Clarifications:

Dear Nick:

Please find below clarifications as discussed with Plans Examiner Mr. Anil Kumar:

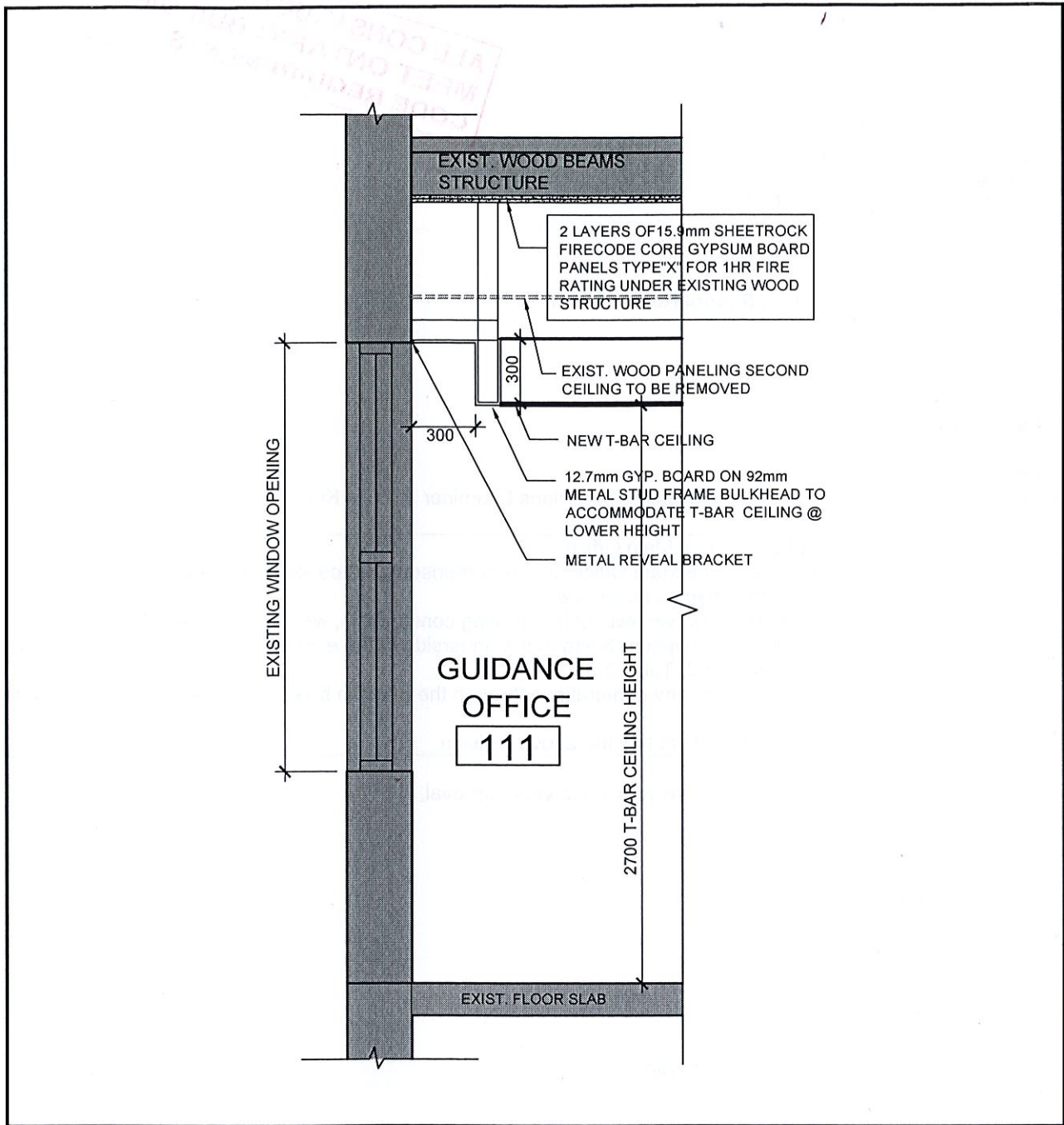
1	<p>Fire Rated Ceiling Membrane at Main Office Area The existing 2nd floor above the Main Office area is comprised of wood joists. The existing acoustic tile ceiling (which is being removed) is not fire rated. In order to exceed the performance level of the existing construction, we propose to install 2 layers of 16mm thick, Type X fire rated gypsum board to the underside of the existing wood joists to get a 1hr fire rating, in accordance with SB-2, Table 2.3.4.B. As already noted on the dwgs, any penetrations through the gypsum board membrane will be firestopped. Refer to attached dwg SKA 101 noting the above revision.</p>
---	---

We trust this clarifies the items, and look forward to your approval.

Yt,



Avinash Garde G.D.Arch., OAA, MRAIC, LEED AP
Principal
Snyder Architects



<p>General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the Architect for construction.</p> <p>Issued for Construction Date _____ Signature _____</p> <p>CADD File SKA 101.dwg</p>		Project BURLINGTON CENTRAL H.S. RENOVATIONS	Project No. 2005
		Drawing Title GROUND FLOOR - OFFICE AREA SECTION AT WINDOW	Scale 1:25
		<p>Snyder Architects Inc. 260 King St. E. Unit A101, Toronto, ON M5A 4L5 t.416.966.5444 f.416.966.4443 www.snyderarchitects.ca</p>	Revisions 1 Date 2021/02/24
		Cross Reference DWG 3/A300	Drawing No. SKA 101

Kumar, Anil

From: Avinash Garde <agarde@snyderarchitects.ca>
Sent: Wednesday, February 24, 2021 1:52 PM
To: Kumar, Anil
Cc: Dorota Gajewnik
Subject: Re: 2005 BCHS - Permit confirmation

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Anil,
Pls call me anytime at 416-500-1399 - thanks!

Yt,
Avinash Garde OAA MRAIC LEED AP
Principal
Snyder Architects Inc.
260 King Street East, Suite A101
t: 416.966.5444 x 297
c: 416.500.1399
www.snyderarchitects.ca

Further to Health Authority recommendations, Snyder Architects are continuing operations with staff working remotely. During this period, I can be reached via email or on my mobile phone at **416-500-1399**.

On Wed, Feb 24, 2021 at 1:04 PM Kumar, Anil <Anil.Kumar@burlington.ca> wrote:

Hi Avinash

Sorry to bother you again. I see drawings A300 which indicates ULC 452 System A for floor rating. This ulc assembly is not tested in Horizontal direction but there are few CGC and other manufacturer Horizontal shaft wall seemly very similar to this. These assemblies can be applied in Horizontal direction but that may have span limitation.

It appears that the existing floor assembly is of wood construction for three storey building which is quite unusual. I can change assembly no on drawings after discussion.

What is the best time to call you and phone no.

Thanks

ANIL

From: Avinash Garde <agarde@snyderarchitects.ca>
Sent: Tuesday, February 23, 2021 5:25 PM
To: Kumar, Anil <Anil.Kumar@burlington.ca>
Cc: Dorota Gajewnik <dgajewnik@snyderarchitects.ca>
Subject: Re: 2005 BCHS - Permit confirmation

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Anil,

Pls see response below in red; pls call me at 416-500-1399 if required.

Yt,

Avinash Garde OAA MRAIC LEED AP

Principal

Snyder Architects Inc.

260 King Street East, Suite A101

t: 416.966.5444 x 297

c: 416.500.1399

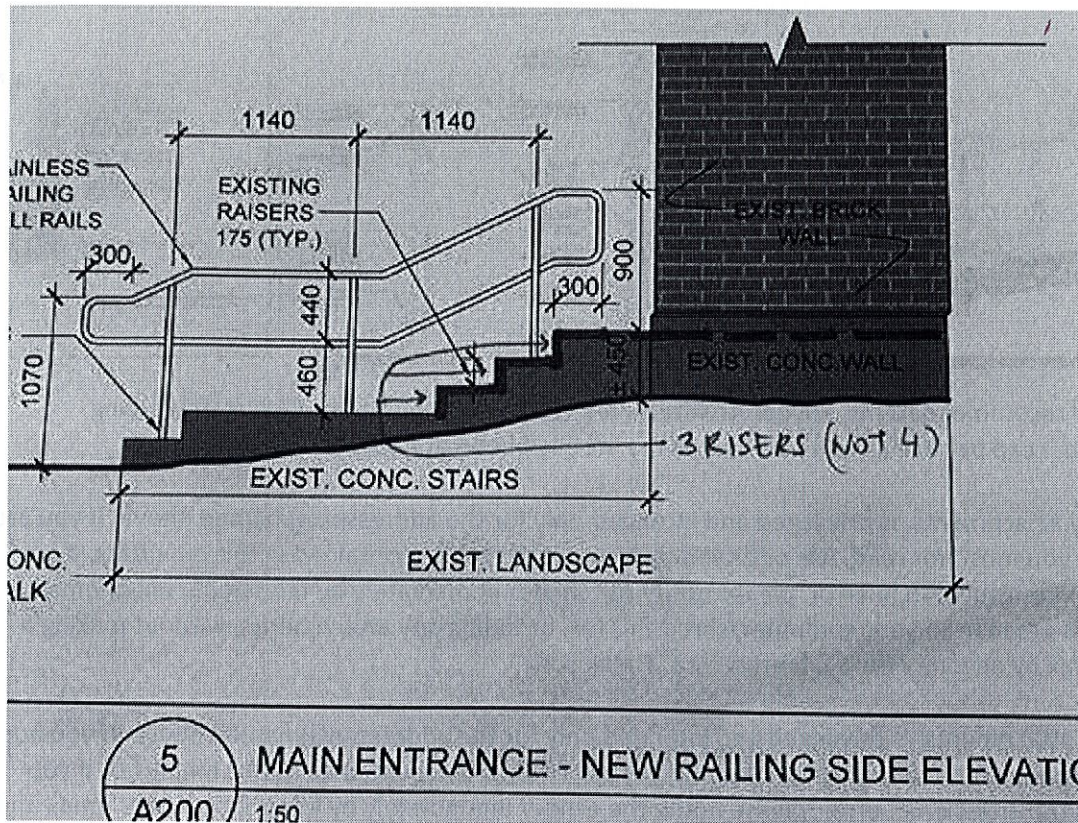
www.snyderarchitects.ca

Further to Health Authority recommendations, Snyder Architects are continuing operations with staff working remotely. During this period, I can be reached via email or on my mobile phone at **416-500-1399**.

On Tue, Feb 23, 2021 at 4:48 PM Kumar, Anil <Anil.Kumar@burlington.ca> wrote:

Thanks AVINASH for Quick reply.

1. Just verifying couple item the door schedule indicates 950 mm width as per door schedule. So if door is 38" it should be 38" x 25.4 mm = 965 mm. Please verify I can mark on drawings. The door is not 38", it is exactly 950mm. Unlike the residential market, for institutional / school jobs we are not restricted to 'standard width' doors, our doors are fabricated to the exact widths noted on the dwgs.
2. The section 5/A200 (we discussed) indicates approx. 175 mm existing riser the drawings indicates 450 mm landing height but if you calculate 4 riser x 175 mm = 700 mm so if you are proposing handrail then it shall be proper Guard with pickets and handrail. But if you are not touching existing condition then I cannot ask. If proposed design is required then you can send sealed sketch only and shop drawings can be submitted to inspector by adding note to sketch. There are only 3 risers, not 4 - see marked up dwg in red - so we are under 600mm.
3. Rest is o.k



Thanks

Anil

From: Avinash Garde <agarde@snyderarchitects.ca>
Sent: Tuesday, February 23, 2021 4:01 PM
To: Kumar, Anil <Anil.Kumar@burlington.ca>
Cc: Dorota Gajewnik <dgajewnik@snyderarchitects.ca>
Subject: 2005 BCHS - Permit confirmation

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Anil,

Per our conversation today, pls find attached letter with the requested clarification.

Thanks,

Yt,

Avinash Garde OAA MRAIC LEED AP

Principal

Snyder Architects Inc.

260 King Street East, Suite A101

t: 416.966.5444 x 297

c: 416.500.1399

www.snyderarchitects.ca

Further to Health Authority recommendations, Snyder Architects are continuing operations with staff working remotely. During this period, I can be reached via email or on my mobile phone at **416-500-1399**.

This message, including any attachments, is privileged and intended only for the addressee(s) named above. If you are not the intended recipient, you must not read, use or disseminate the information contained in this email/fax. If you have received this email/fax transmission in error, please notify the sender immediately by telephone, fax or email and permanently delete this email from your computer/shred this fax, including any attachments, without making a copy. Access to this email/fax by anyone else is unauthorized. Thank you.

This message, including any attachments, is privileged and intended only for the addressee(s) named above. If you are not the intended recipient, you must not read, use or disseminate the information contained in this email/fax. If you have received this email/fax transmission in error, please notify the sender immediately by telephone, fax or email and permanently delete this email from your computer/shred this fax, including any attachments, without making a copy. Access to this email/fax by anyone else is unauthorized. Thank you.



Virus-free. www.avast.com

BXUV.U531 - Fire-resistance Ratings - ANSI/UL 263

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

[See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances](#)

[See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances](#)

Design No. U531

June 04, 2020

Nonbearing Wall Rating — 1, 1-1/2 or 2 Hrs (See Items 1 and 9)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Fire Resistant Glazing Material*** — For 1 hr. assemblies — Minimum 0.85 in. (23 mm) thick laminated glass panels supplied in various sizes max size not to exceed 39 sq ft. with a maximum dimension of 96 in. For all 1 hr products except Pyrostop 60-101, when glass size is at least 1 in. (26 mm) thick, max size not to exceed 51.7 sq ft (4.8 m²) with max width of 96 in. (244 cm) wide and max height of 118-1/8 in. (300 cm). For 1-1/2 hr. Minimum 1.46 in. (37 mm) thick laminated glass panels supplied in various sizes. For 2 hr assemblies — Minimal 1.57 in. (40 mm) thick laminated glass panels supplied in various sizes. Max size not to exceed 25.9 sq ft with max dimension of 111 in.

Glazing material may also be installed using a vertical butt joint on either side of the glazing sections. For 1 hour assemblies — Pyrostop 60-102, Pyrostop 60-201, Pyrostop 60-603, FireGlass 60-201 or FireGlass 60-603 nom. 1.0 in. (26 mm) minimum thickness laminated glass to be supplied in various sizes. Maximum size of the largest section of the butt glazing not to exceed 63 in. (1600 mm) in width and 118-

1/8 in. (3000 mm) in height. Minimum size for any one section of the butt glazing assembly is not to be less than 31-9/16 in. (802 mm) in width. The glazing sizes and orientation specified for the butt glazing assembly are also eligible for 1 hr rating when the vertical butt joint is replaced with Steel Framing Members.

For 2 hour assemblies — Pyrostop 120-60, Pyrostop 120-108, FireGlass 120-60, or FireGlass 120-108/ nom. 1.85 in. (47 mm) minimum thickness laminated glass to be supplied in various sizes. Maximum size of the largest section of the butt glazing not to exceed 63 in. (1600 mm) in width and 118-1/8 in. (3000 mm) in height. Minimum size for any one section of the butt glazing assembly is not to be less than 39-3/8 in. (1000 mm) in width. The glazing sizes and orientation specified for the butt glazing assembly are also eligible for 2 hr rating when the vertical butt joint is replaced with Steel Framing Members. Butt glazing assembly shall include a ceramic strip (see Item 10) and sealant (Item 11 and 11A) between the edge of the glass and the perimeter Framing Members.

Glazing units used in a butt joined configuration shall not be faced with glass clad polycarbonate panels.

AL KUHAIMI METAL INDUSTRIES LTD — FireGlass 60-101, FireGlass 60-161, FireGlass 60-201, FireGlass 60-201 TI, FireGlass 60-261, FireGlass 60-261 TI, FireGlass 60-361, FireGlass 60-361 TI, FireGlass 60-603, FireGlass 90-102, FireGlass 120-60, FireGlass 120-104, FireGlass 120-106, FireGlass 120-108, FireGlass 120-201, FireGlass 120-201 TI, FireGlass 120-202, FireGlass 120-203, FireGlass 120-203 TI, FireGlass 120-262, FireGlass 120-362.

PILKINGTON DEUTSCHLAND AG — Pyrostop 60-101, Pyrostop 60-102, Pyrostop 60-201, Pyrostop 60-50, Pyrostop 60-161, Pyrostop 60-161 FG, Pyrostop 60-181, Pyrostop 60-181 Triple, Pyrostop 60-251, Pyrostop 60-261, Pyrostop 60-261 FG, Pyrostop 60-281, Pyrostop 60-351, Pyrostop 60-351 Triple, Pyrostop 60-361, Pyrostop 60-361 FG, Pyrostop 60-361 Triple, Pyrostop 60-381, Pyrostop 60-381 Triple, Pyrostop 60-401, Pyrostop 120-104, Pyrostop 120-106, Pyrostop 120-201, Pyrostop 120-202, Pyrostop 120-203, Pyrostop 120-262, Pyrostop 120-362, Pyrostop 120-282, Pyrostop 120-382

TECHNICAL GLASS PRODUCTS — FireGlass 60-101, FireGlass 60-161, FireGlass 60-201, FireGlass 60-201 TI, FireGlass 60-261, FireGlass 60-261 TI, FireGlass 60-361, FireGlass 60-361 TI, FireGlass 60-603, FireGlass 90-102, FireGlass 120-60, FireGlass 120-104, FireGlass 120-106, FireGlass 120-108, FireGlass 120-201, FireGlass 120-201 TI, FireGlass 120-202, FireGlass 120-203, FireGlass 120-203 TI, FireGlass 120-262, FireGlass 120-362, Pyrostop 60-101, Pyrostop 60-102, Pyrostop 60-201, Pyrostop 60-201 TI, Pyrostop 60-50, Pyrostop 60-161, Pyrostop 60-161 FG, Pyrostop 60-161 FGX, Pyrostop 60-181, Pyrostop 60-181 Triple, Pyrostop 60-251, Pyrostop 60-261, Pyrostop 60-261 TI, Pyrostop 60-261 FG, Pyrostop 60-261 TI FG, Pyrostop 60-261 TI FG, Pyrostop 60-261 FGX, Pyrostop 60-261 TI FGX, Pyrostop 60-281, Pyrostop 60-351, Pyrostop 60-351 Triple, Pyrostop 60-361, Pyrostop 60-361 TI, Pyrostop 60-361 FG, Pyrostop 60-361 TI FG, Pyrostop 60-361 FGX, Pyrostop 60-361 TI FGX, Pyrostop 60-381, Pyrostop 60-381 Triple, Pyrostop 60-401, Pyrostop 60-603, Pyrostop 90-102, Pyrostop 90-182, Pyrostop 90-182 Triple, Pyrostop 120-60, Pyrostop 120-104, Pyrostop 120-106, Pyrostop 120-108, Pyrostop 120-201, Pyrostop 120-201 TI, Pyrostop 120-202, Pyrostop 120-203, Pyrostop 120-203 TI, Pyrostop 120-262, Pyrostop 120-362, Pyrostop 120-282, Pyrostop 120-382. Pyrostop 60 and 120 products may be faced with a glass clad polycarbonate panel ranging in thickness from 0.43 in. to 2.38 in. and may be designated as Pilkington Pyrostop® with School Guard Glass® 60-(xxx), Pyrostop® with School Guard Glass® 90-(xxx), Pilkington Pyrostop® with School Guard Glass® 120-(xxx), Pilkington Pyrostop® with Smartgard® 60-(xxx), Pilkington Pyrostop® with Smartgard® 90-(xxx), Pilkington Pyrostop® with Smartgard® 120-(xxx), Pilkington Pyrostop® BR(#) 60-(xxx), Pilkington Pyrostop® BR(#) 90-(xxx), Pilkington Pyrostop® BR(#) 120-(xxx). The (#) suffix following the "BR" denotes the specific glass clad polycarbonate being faced to Pyrostop and may be one of the following: 1, 2, 3, 3TH, 4, 5, 7, 8, NIJ3, NIJ3a, or NIJ4. The (xxx) suffix denotes the three digit designation for the Pyrostop type being faced with glass clad polycarbonate.

2. **Steel Studs** — 18 gauge heavy duty electrogalvanized studs, 3-1/2 in. wide, 1-1/4 in. legs, and 1/4 in. stiffening flanges. Studs are nested with steel runners, Item 3, and fastened together with 1/2 in. long S12 pan head screws through both legs of the stud and runner every 6 in. OC.
3. **Steel Runners** — 18 gauge electrogalvanized steel runners, 3-5/8 in. wide, 1-1/4 in. legs. Nested with steel studs, Item 2, to form framing members. Horizontal framing members attached to vertical framing members by cutting legs of runners 6 in. from each end and bending runners either up or down and nesting on vertical members and fastening to vertical member with 1/2 in. long S12 pan head screws, 2 through both legs, and 4 through the face of the vertical stud 4 in. OC.
4. **Gypsum Board*** — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305. Nom 5/8 in. thick, 4 ft wide by 10 ft long, cut to size and shaved on edges. Gypsum board boxed around stud and runner framing members. Base layer secured to framing members with 1-1/4 in. long S12 bugle head drywall screws (screws not shown). Gypsum board fastened with 1 screw on each leg and 2 screws on each face, spaced 16 in. OC. Face layer secured to framing members with 1-5/8 in. long S12 bugle head drywall screws same as base layer, spaced 8 in. OC. Gypsum board joints covered with paper tape and two coats of joint compound. Screw heads covered with two coats of joint compound.

AMERICAN GYPSUM CO (View Classification) — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO ([View Classification](#)) — CKNX.R19374

CABOT MANUFACTURING ULC ([View Classification](#)) — CKNX.R25370

CERTAINTED GYPSUM INC ([View Classification](#)) — CKNX.R3660

CGC INC ([View Classification](#)) — CKNX.R19751

CERTAINTED GYPSUM INC ([View Classification](#)) — CKNX.R18482

GEORGIA-PACIFIC GYPSUM L L C ([View Classification](#)) — CKNX.R2717

LOADMASTER SYSTEMS INC ([View Classification](#)) — CKNX.R11809

NATIONAL GYPSUM CO ([View Classification](#)) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM ([View Classification](#)) — CKNX.R7094

PANEL REY S A ([View Classification](#)) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD ([View Classification](#)) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL ([View Classification](#)) — CKNX.R27517

UNITED STATES GYPSUM CO ([View Classification](#)) — CKNX.R1319

USG MEXICO S A DE C V ([View Classification](#)) — CKNX.R16089

4A. Gypsum Board* — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES

4B. Wall and Partition Facings and Accessories* — (As an alternate to Items 4 and 4A) — Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-527

5. Glazing Stops — 16 gauge, 3/4 in. steel angles, cut to fit tightly along the perimeter of both sides of glazing material, Item 1, spaced thickness of glazing plus 1/8 in. apart in opening. The angles are predrilled using No. 1 (0.2280 in. diam) drill bit 2 in. from each end and 6 in. OC. Angles set in window opening and holes predrilled through 2 layers of wallboard and into wall framing members with No. 19 (0.1660 in. diam) drill bit. Stops attached to framing members using 2 in. long No. 12 Phillips flat head screws. Closed cell PVC tape, Item 7, adhered to stops to seal with face of glazing material. For the butt glazing assembly, 1 in. steel angles shall be used in place of the 3/4 in. steel angles.

6. Setting Blocks — (Not Shown) — 2-1/4 in. wide, 1/4 in. thick oak hardwood setting blocks placed on bottom of window opening between glazing stops, Item 5, to support the full depth of the glazing material, Item 1.

7. **Closed Cell PVC Tape** — 3/8 in. wide by 1/8 in. thick with self adhering backing, adhered to glazing stops, Item 4, to seal and cushion legs of glazing stops in contact with glazing material, Item 1.

8. **Silicone Sealant** — (Not Shown) — 100 percent silicone rubber building and glazing sealant. A bead of sealant is applied at the glazing stop, Item 5, and glazing material, Item 1, joint.

9. **Wood Trim** — For 1-1/2 and 2 h applications, Nom 1 in. by 2 in. clear pine or oak trim completely covering and securely fastened to the glazing stops, Item 5. Wood trim fastened to glazing stops using 1-5/8 in. long trim head screws through the wallboard leg of the glazing stops, 8 in. OC. Larger wood trim may be used with additional fastening means.

For 1 h applications, either 1-1/2 in. wide by 5/8 in. thick gypsum board (See **Gypsum Board**, CKNX, Category — for names of Classified Companies) or 1-1/2 in. wide by 1/2 in. thick hemlock, pine or oak trim completely covering and securely fastened to the glazing stops, Item 5. Trim to be fastened to glazing stops using 1-5/8 in. long trim head screws through the wallboard leg of the glazing stops, 8 in. OC. Larger wood trim may be used with additional fastening means.

10. **Butt Glazing Strip** — For the 1 hour rated butt glazing assembly, 15 mm (9/16 in.) wide by 6 mm (1/4 in.) thick tape, shall be installed along the vertical edges of the sections of glass at the butt joint. For the 2 hour rated butt glazing assembly 30 mm (1-3/16 in.) wide by 6 mm (1/4 in.) thick tape, shall be installed along the vertical edges of the sections of glass at the butt joint.

GLUSKE — Kerafix 2000 Glazing Tape

11. **Butt Glazing Silicone Sealant** — For the butt glazing assembly for 1 hr. ratings, silicone sealant shall be applied to seal the butt joint. The sealant shall be provided by the glass manufacturer.

PILKINGTON DEUTSCHLAND AG — Pilkington Pyrostop Sealant 1

11A. **Butt Glazing Silicone Sealant** — (Not Shown) — For the butt glazing assembly for 2 hour ratings, silicone sealant designated type Unibond Trade 3B Translucent Glazing and Bonding Sealant shall be applied to seal the butt joint. The sealant shall be provided by the glass manufacturer.

12. **Perimeter Intumescent Tape** — (Not Shown) — For the butt glazing assembly, intumescent tape applied to all non-butt joined glass edges. 1.5 mm thick Kerafix 200 intumescent tape shall be supplied by the glass manufacturer and applied to the perimeter of all Pyrostop and FireGlass products. Refer to installation instructions for placement and number of strips required for each glazing unit.

ALTERNATE CONSTRUCTION

13. **Alternate Surrounding Wall Assembly** — As an alternate to the above described wall assembly - The 1, 1-1/2, or 2 hr. fire rated wall assembly shall be constructed of the materials and in the manner described in the individual U400 or U900-Series Wall or Partition Designs in the UL Fire Resistance Directory. When a U400 wall assembly is used, studs shall be min. 18 gauge load bearing, heavy duty electrogalvanized studs, 3-1/2 in. wide, 1-1/4 in. legs, and 1/4 in. stiffening flanges.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2020-06-04

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission

from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2021 UL LLC"

FILE NUMBER _____

DATE _____

*Contact the Building Department for a preliminary consultation if desired

BUILDING DESIGN STATEMENT
Ontario Building Code

PROJECT DESCRIPTION: ~~UNIVERSAL WASHROOM, REPLACEMENT OF SOME EXISTING WINDOWS & SCREENS~~ **RE-LOCATION & RENOVATION OF GENERAL OFFICE; PROVISION OF NEW**

LOCATION: **1433 BALDWIN STREET, BURLINGTON, ONTARIO, L7S 1K4**

BUILDING USE: **HIGH SCHOOL**

OBC CLASSIFICATION: **A2** Major **ASSEMBLY** Subsidiary **—**

BUILDING AREA		TOTAL FLOOR AREA	
Existing	8,012.9 m² SM(SF)	16,129.2 m²	SM(SF)
New	— SM(SF)	—	SM(SF)
Total	8,012.9 m² SM(SF)	16,129.2 m²	SM(SF)

NUMBER OF STORIES _____ Building Height _____ M(FT) Subject to 3.2.6 Yes **(No?)**

MEZZANINE AREA _____ **N/A** ≤ 10% type
% of Room, Suite or Storey _____ ≤ 40% type

SPRINKLERS: Required: Yes No Provided: Yes No
N/A - EXISTING Monitored to 3.2.2.17: Yes No

Facing _____ Streets _____

BUILDING TO COMPLY WITH

2012 ONTARIO BUILDING CODE

OBC Article 3.2.2 _____ PART 9 _____ PART 11 _____

**EXISTING BUILDING
DOESN'T FALL UNDER
ANY CLASSIFICATION**

CONSTRUCTION TYPE

Required:	Combustible	Non-Combustible	<input checked="" type="checkbox"/>
Provided:	Combustible	Non-Combustible	<input checked="" type="checkbox"/>
REQUIRED FIRE SEPARATION / RATING			
	Required hours	Provided hours	
Floor over Basement	N/A	N/A	
Floors	EXISTING -	1 HOUR	
Mezzanine	N/A	N/A	
Roof	EXISTING - NO CHANGE		
Load Bearing Structure	EXISTING - NO CHANGE		

OCCUPANT LOAD	Total	NO CHANGES				Above or below first floor
FIRE ALARM	Required: Yes No	Provided: Yes No	N/A - EXISTING - NO CHANGE			
STANDPIPE	Required: Yes No	Provided: Yes No	N/A - EXISTING - NO CHANGE			
KITCHEN EXHAUST	N/A	SPRAY PAINTING	N/A			

IS THE ROOF OF THIS BUILDING INTENDED AND DESIGNED TO PROVIDE RAIN WATER RETENTION: Yes No
IF YES, WHAT IS THE MAX. HEIGHT OF STORAGE? **NA**

Avgnade
(Arch/P.Eng)

SEAL

NOTE: Provide details and/or calculations for:

- Interconnected Floorspace **N/A**
- Occupant Load **NO CHANGE**
- Spatial Separations **---**
- Fire Walls Used **N/A**
- All Fire Separations i.e. U.L.C. system, etc. **NO CHANGE**

Design Professional **Avgnade** Date **JAN 26 2021**
Signature _____



For Office Use Only:

Design statement parameters reviewed & accepted by BURLINGTON BUILDING DEPARTMENT

Signature _____ Date _____

