

Campus Accessibility Action Plan

Phase 2 (2018-2023)

FACILITY SERVICES



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1. Background

In April 2012, an audit of the McMaster campus was conducted by Facility Services to assess its degree of accessibility. The scope of the audit was very specific; to review the existing conditions of the campus entrances, interior corridors, public washrooms, fire alarm systems, elevating devices, and drinking fountains based on current code requirements or best practices. This scope addressed most of the current accessibility requirements. This audit did not address off-campus buildings.

The results of the full audit helped guide Facility Services and the McMaster Accessibility Council (MAC) in establishing priorities for capital funding investments in order to provide an accessible campus and comply with the AODA.

The audit found a required investment of \$32million out of which \$28 million were for elevators. The proposed new elevators and ramp access to certain administrative buildings were considered a second priority. A prioritized multi-year plan was created after consultation with the campus community to address all of the requirements, which was called the Campus Accessibility Action Plan (CAAP) 2012-2017. This plan was approved by the Planning and Building Committee with a commitment of \$334,000 per year for a five (5) year term for the Academic buildings. The CAAP 2012-2017 also included 10 year plan for the Residence with a budget of \$100,000 per year for a 10 year period (2012 – 2023).

The accessibility improvements that were achieved as part of the CAAP (2012-2017) are as follows:

- 1. Provided at least one access to the exterior doors of the buildings by building a ramp at the entrance
- 2. Provided assisted access to the exterior door of a barrier free entrance to the building by providing automated door operator
- 3. Provided at least one barrier free washroom facility in a building
- 4. Upgraded fire alarm notification by providing visual fire notification (strobes) to assist individuals who have difficulty hearing bells or sirens in public washrooms
- 5. Provided voice annunciation and incorporated the use of braille on all elevators on campus
- 6. Provided at minimum, one barrier free drinking water fountain in every building.

1. New CAAP 2018-2023

Appendix A provides a 2018 updated audit for the 2012 audit. This audit once again includes all of the elevating devices as per the 2012 audit and includes an expansion /improvements on the six prioritized areas highlighted in the background section above. The cost for all accessibility improvements is estimated at approximately \$29.635 million. Appendix B provide the list of the recommended work for CAAP 2018-2023, which total to \$3.025million. The following sections provide detailed discussions on the prioritized and recommended work that is included in CAAP 2018-2023.

Planning for 2018-2023 CAAP has continued to consider elevating devices to be a non-urgent priority except on the ADL building where users have asked for it and they are contributing to the cost. CAAP 2018-2023 expands on the six priorities for 2012-2017 as in the background section above and continue to expand on them. Only the new audit has revealed one new priority, which is the barrier free path of travel inside buildings. The CAAP 2012-2017 is referred to as CAAP phase 1 and the CAAP 2018-2023 is referred to as CAAP phase 2 in this report.

2.1 CAAP Phase 2 Priorities Discussion

.1 Academic/Administrative Buildings

1.1. Building Entrances (Ramps) and Automated Door Operators

As part of the accessibility improvements in CAAP phase 1, most campus academic buildings currently have at least one fully accessible entrance from the exterior. Fully accessible was deemed to be when every exterior entrance to a building is accessible at ground level for individuals with mobility issues and the exterior entrance door is equipped with an automated door opener. There are multiple exterior entrances to buildings, and many of them are frequently used due to its proximity to other buildings. These additional entrances are in many cases not accessible and persons with mobility needs often have to travel a roundabout way to reach their destination. Providing new ramps and automated door operators at the frequently used entrance points will improve the overall accessibility of the campus.

1.2. Adding Elevating Devices

Some campus buildings were not designed with elevators. Making every interior corridor accessible is a priority for the CAAP and in order to achieve that, the buildings will have to be retrofitted with elevating devices or ramps where feasible. Though accessibility to all floors of all buildings is a recommended minimum accessibility requirement, it is believed that the unique function and design of the buildings that currently do not have elevators, coupled with the functional profile of the rest of the campus buildings will allow the postponement of the installation of vertical conveyance to a later phase of this project. However, the CAAP phase 2 plan is proposed to include retrofitting the Applied Dynamics Lab building with a barrier free elevator. This will be a cost sharing initiative with the Faculty of Engineering.

1.3. Public Washrooms

CAAP phase 1 focused on providing at least one barrier free washroom in each building. The existing washrooms that are labelled as barrier free are in many cases outdated and non-compliant to the current building code. They do not meet the turning radius requirements, do not have automated door operators, and the fixtures are not mounted to

the accessible height requirements. Creating an additional barrier free washroom compliant to current codes at a different floor level will be beneficial for the people with disabilities on campus.

1.4. Fire Alarm Systems

Older fire alarm systems were designed to provide audible notification of fire or potential fire to building occupants. New codes and regulations require the use of visual and audible notification to building occupants. CAAP phase 1 focused on adding visual fire notification in public washrooms. The provision of audible and visual fire notification (horns and strobes) as required by the current building code, will be a desirable improvement to the accessibility of the campus buildings.

1.5. Elevating Devices User Interfaces

As part of CAAP phase 1 every elevator on campus was retrofitted with voice annunciators that announces the floor and direction of travel. Some of the older model elevators lack braille buttons, and these retrofits are being implemented as part of the elevator modernization through deferred maintenance. The vertical lifts on campus are in need of some upgrades. Some of them do not have card access and need a key to operate. Some do not have emergency communication lines inside cabs to call for assistance and they lack consistent operational signage and directions. The upgrades to the vertical lifts will be an important improvement to the accessibility on campus.

1.6. Barrier free path of travel inside building

This is a new item in CAAP Phase 2. Users (students, faculty or staff) with accessible needs often have specific requests for making their path of travel barrier free, based on their location and nature of work on campus. Their office / classroom door, travel path to the barrier free washroom and the travel path to the accessible building entrance need to be barrier free. Making barrier free travel paths focused on individuals with special needs will improve the accessibility of the campus.

1.7. Drinking Fountains

CAAP phase 1 ensured at least one accessible drinking water fountain for all buildings. Provision of an additional barrier free hydration station in buildings at a different level in each building will be very beneficial to the people with disabilities.

1.8. Summary of Least Accessible Buildings

The least accessible buildings on campus are: E.T. Clarke Utility Centre (#12), Nuclear Reactor (#15), Biology Greenhouse (#30), Campus Services Building (#31) and Temporary Building T26. These buildings reduce the overall accessibility of the campus. They account for many of the exterior entrance accessibility issues, and none of these buildings have elevators to aid in transportation within the building. These buildings are, in many

cases, are among the least critical to the delivery of the Universities core mission. The accessibility improvements in these buildings will be deferred to a future phase of the CAAP.

.2 Off-Campus Buildings

In view of the recent date of construction of most of the off-campus buildings, they will have a high degree of accessibility. The recently acquired residence buildings on Sterling Street, Forsyth Avenue and Whitton Road are exceptions and are not currently accessible. The building on 88 Forsyth Avenue is currently undergoing renovations and will be an accessible building after renovations.

.3 Housing and Conference Services Buildings

The CAAP phase 1 included a ten (10) year plan for the Housing and Conference Services buildings, with a proposed spent of \$1 million over 10 years (till 2023) and is recommended to be continued. This will mean that the residence buildings will be funded at \$100,000 per year till 2023 for accessibility improvements. Refer to Appendix C for the summary of accessibility improvements proposed.

2. Recommended Priorities for CAAP phase 2

The scale of accessibility issues and the cost of correction are such that interim standards are required. The suggested priorities for CAAP phase 2 are as follows:

- a. Provide barrier free entrance points by constructing ramps and providing barrier free path of travel at all frequently used building exterior entrances.
- b. Provide assisted access by installing automated door operators to all frequently used exterior doors.
- c. Provide an elevator in the Applied Dynamics Lab building.
- d. Provide an additional barrier-free washroom at an additional level in each building.
- e. Interior corridor doors used frequently by people with disabilities to be retrofitted with automated door operators and the path of travel would be made barrier free.
- f. Visual fire notification by providing strobes for individuals having difficulty hearing bells or sirens in all corridors.
- g. Retrofit the Lifts on campus with card access system, emergency communication phone line and consistent signage for its operation.

h. Provide an additional barrier free drinking water fountain in every building at a different level.

3. Proposed Projects and Estimated Cost

Based on the recommended measures that are outlined earlier in this document, Appendix A include a list of all of the proposed projects and their respective cost estimate.

Appendix B include only the prioritized and recommended list of projects and measures to be undertaken in CAAP phase 2 – 2018-2023 i.e. for the next 5 years. This cost estimate totals \$3.025million.

Based on the approved 2018-2019 (first year) budget of \$334,000 for accessibility, the proposed CAAP program for 2018-2019 is included under Appendix D.

The outstanding accessibility items requiring installation, modernization or renovation in order to meet the recommended accessibility measures will be prioritized after the Budget Committee's approval of the annual funds.

4. Future New Buildings

Accessibility requirements for new construction will continue to be governed by the Ontario Building Code (OBC). Effective 01 Jan 2015, amendments to the Ontario Building Code enhanced existing provisions and introduced new requirements to make buildings more accessible. These amendments were the result of the Ministry of Municipal Affairs incorporating the AODA built environment standards into the OBC.

The changes considered as part of the proposed next edition of the Building Code would be minor technical amendments to clarify existing requirements. The changes for consideration include, but are not limited to:

- New requirements for cross-slopes and surface materials on barrier-free ramps
- New requirements for emergency lighting in universal washrooms
- Amendments and clarifications regarding the number of universal washrooms in large buildings, washroom stall privacy, grab bars, washroom accessories, controls, power door operators, and door clearances
- Clarifications regarding tactile walking surface indicators at stairs, ramps and edges of pools and platforms

McMaster will continue to construct and renovate in accordance to the current OBC, but will also apply accessibility initiatives in accordance with the recommendation contained within the CAAP. These initiatives will include all the items surveyed for in the CAAP, and contained within Section 3.

Though many of these initiatives are already contained within the OBC, it is the desire for new construction to be above the minimum standards to allow greater accessibility to the McMaster community.

Attachments:

Appendix A: Campus Audit all improvements

Appendix B: Recommended improvements in Academic and Administrative Buildings

Appendix C: Audit and Estimate for improvements in Housing and Conference Services Buildings

Appendix D: 2018-2019 Recommended improvements

APPENDIX A - CAMPUS AUDIT AND ESTIMATE FOR IMPROVEMENTS CAAP 2018-2023

										CAAL 20.	-0 2023				-				-	
															Visual a	larm fire				
																ition for				
									Access to all	floors within the					individuals	who have				
			Access to	the exterior d	oors of the	Assisted acc	ess to the ex	terior doors	building by	adding elevator	Access to b	arrier free	Access to I	barrier free	difficulty hea	aring bells or	Barrier Free	path of travel		
			l	building (ramp	s)	using aut	tomatic door	openers	(or lift	washroon	n facilities	drinkin	g water	sir	ens	inside	building		
				Ramp to	Estimated		If no, are	Estimated				Estimated		Estimated		Estimated	Barrier free	Estimated		
		Academic/	Exterior	Building /	Cost To		there	Cost To	Interior	Estimated Cost		Cost To		Cost To	Strobes in	Cost To	path of	Cost To	Total Cost	
Building		Residence/	100%	Ground	Improve to	Auto Door	accessible	Improve to	100%	To Improve to	# of Disabled	Improve to		Improve to	corridors	Improve to	travel	Improve to	Estimates per	
Number	Name	other	accessible	Level	Minimum	Openers	entrances	Minimum	accessible	Minimum	washrooms	Minimum		Minimum	and lounges	Minimum	available	Minimum	Building	Comments
											3, no									
				ground level							disabled									The main door is not accessible. Back and side
1	I la is consider I la II	Acadamia	No	access at	2/2	Yes, at west	Yes	2/2	Vas	0	w/rooms on 1st floor	75,000	Vas	5,000	No	10.000	No	30,000	120,000	doors are not accessible. One wing is not accessible without use of an elevating lift that is present
1	University Hall	Academic	INO	west side	n/a	entrance	res	n/a	Yes	U	8, no auto	75,000	Yes	5,000	INO	10,000	No	30,000	120,000	without use of an elevating lift that is present
				ground level							door on 2nd,									
				access at							3rd & 4th									
2	Hamilton Hall	Academic	No	south side	n/a	Yes	Yes	n/a	Yes	n/a	floor	75,000	(2) Yes	n/a	No	0	No	30,000	105,000	Lose grabber in women's basement washroom
4	Refectory	Academic	Yes	Yes	n/a	Yes	Yes	10,000	No		2, Yes	n/a	yes	5,000	Yes	n/a	No	0	15,000	
5	Edwards Hall	Residence	No	No	250,000	No	No	60,000	No	3,000,000	0	75,000	N/A	n/a	no	35,000	N/A	n/a	3,420,000	No elevator in building.
]	Yes, ground	,		.,				_				l	,		,		
6	Wallingford Hall	Residence	No	level entry	n/a	No	Yes	10,000	No	3,000,000	0	75,000	N/A	n/a	Yes	n/a	N/A	n/a	3,085,000	No elevator in building.
													No							
7	Alumni House	Academic	Yes	Yes	n/a	Yes	Yes	0	No	1,500,000	1	0	fountains	5,000	No		No	n/a	1,505,000	No elevator in building. No auto door openers
											2, no		No							
8	Alumni Memorial Hall	Academic	No	Yes	n/a	Yes	Yes	n/a	No	2,000,000	button access	0	fountains	n/a	Yes	n/a	No	30,000	2,030,000	
											3, no									Now addition to building has improved disabled
9	Nuclear Research	Academic	Yes	Yes, 2 ramps	n/a	exterior only	Yes	n/a	Yes	n/a	auto door opener	n/a	1, yes	n/a	Yes	n/a	No	15,000	15,000	New edition to building has improved disabled access to whole building
9	Nuclear Research	Academic	163	res, 2 ramps	11/4	exterior only	163	11/4	163	11/4	орене	11/ 0	1, yes	11/4	163	II/ a	INU	13,000	13,000	access to whole building
											1 Library									
											access 4, 2				No Library,					
											museum no				Yes					
10	Mills Library	Academic	Yes	Yes	n/a	Yes		n/a	No	3,000,000	button access	0	Yes	n/a	Museum	0	No	30,000	3,030,000	1 washroom in art museum, no push bottom access
				2, Yes.																
				Additional						_										
11	Burke Science	Academic	No	@n-w side	20,000	Yes	Yes	10,000	Yes	n/a	5	n/a	Yes	5,000	Yes	n/a	Yes	45,000	80,000	
				No. Security									No							No elevator in building. Ground floor is also not
12	E.T. Clark Centre	Academic	No	Office	40,000	No	No	15,000	No	3,000,000	0	75,000	No fountains	5,000	No	35,000	No	n/a	3,170,000	accessible
15	Nuclear Reactor	Academic	N/A	No	n/a	No	N/A	n/a	N/A	n/a	0		No	n/a	No	n/a	No	n/a	0	Access through NRB
10	. radical reactor	710000011110	,	110	.,, a		,	, a	.,,,,	, a		, u		, a		.,, u		, a		riscess timough time
				Yes.					Yes if using											
				Additional					freight		9, no button									Access to basement must be done using a freight
16	John Hodgins Engineering	Academic	Yes	on n-w side	20,000	yes	N/A	40,000	elevator	n/a	access	95,000	Yes	n/a	No	35,000	No	60,000	250,000	elevator
				Yes, east																
				side access																
	D: : :: 0 !!	0.1]	north side	,		A1 / 2	,		2 002 222	2, no	_	No	40.000	I	25.000		,	2.047.005	Interior door no push button access, No drinking
17	Divinity College	Other	No	access	n/a	yes	N/A	n/a	No Yes	3,000,000	button access	0	fountains	10,000	No	35,000	No	n/a	3,045,000 35,000	fountains. No elevator in building
18 19	Moulton Hall Whidden Hall	Residence Residence	No Yes	Yes Yes	n/a n/a	Yes No	Yes Yes	n/a 10,000	Yes	n/a n/a	0	n/a 75,000	N/A N/A	n/a n/a	Yes No	n/a 35,000	No No	35,000 35,000	35,000 155,000	
15	vvilluueti tidii	residence	162	163	ii/ d	INU	162	10,000	163	II/ a		13,000	IN/A	11/d	INU	33,000	INU	33,000	133,000	
																				New ramp at front is being funded through other
20	Gilmour Hall	Academic	No	Yes	n/a	No	Yes	n/a	Yes	n/a	0	75,000	No	5,000	No	20,000	No	45,000	145,000	means. GH has an elevator that services all floors
				Yes.																
				Additional																old building, however elevator makes all floors
22	General Science	Academic	No	on east side	60,000	Yes	Yes	10,000	Yes	n/a	1	100,000	Yes	n/a	Yes	n/a	No	0	170,000	disabled accessible
·		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	·		· <u></u>	·	·	·		·	·	· <u></u>	·	·	· · · · · · · · · · · · · · · · · · ·	·	·	· · · · · · · · · · · · · · · · · · ·

APPENDIX A - CAMPUS AUDIT AND ESTIMATE FOR IMPROVEMENTS CAAP 2018-2023

Marche M					•						CAAP 20	18-2023								•	
Property					Both ramp																
Property					to 1st floor																
Property					an ground							2 in									
March Marc					_																
Procession Process P																					Pocent ungrade to maintenance has significantly
Communication Communicatio	22					,		.,	,	.,	,		75.000		,		25.000	.,	45.000	425.000	
Second S	23	Chester New Hall	Academic	NO	yes	n/a	yes	Yes	n/a	Yes	n/a	door openers	75,000	yes	n/a	NO	35,000	Yes	15,000	125,000	improved the disability access to building
Part																					
Second Column Process					Yes, south																
Second Control (Control (Con					side																
Second Control Section Con					entrance							4 although									
An					with button																Building needs proper signage, ground level access
A. A. S. Samon September May	24	Ivor Wynna Cantro	Acadomic	Voc		n/a	Voc	Voc	n/a	Voc	n/a		75 000	Voc	5 000	No	20,000	No	20,000	130 000	
March Marc	24	ivor wynne centre	Academic	res	access	II/a	162	162	11/ d	162	II/ d	identined	75,000	res	3,000	NO	30,000	NO	20,000	130,000	to new addition of 24
March Marc											,										
Maintenant Service Ser	25	A. N. Bourns	Academic	No	Yes	n/a	Yes	Yes	n/a	Yes	n/a	2 first floor	n/a	Yes	n/a	Yes	30,000	No	15,000	45,000	
Processing Pro																					There is no elevator in this building. The only floor
Command bilding	26	Matthews Hall	Residence	No	Yes	n/a	No	Yes	n/a	No	5,000,000	0	75,000	N/A	n/a	No	35,000	N/A	n/a	5,110,000	that is accessible is first floor
Command bilding	27	McKay Hall	Residence	Yes	Yes	n/a	No	Yes	n/a	Yes	n/a	2	n/a	N/A	n/a	Yes	n/a	No	55,000	55,000	
Communication Communicatio		,				-							·								
Communication Communicatio																					The lift in the huilding that provides access to the
Securing particles Securin					Craund							2 in									
Togo Salient Mul. Accornic. No. Yes. 1/8 Yes. 1						,			40.000	.,	,			.,			_			40= 000	* *
Processing	28	Commons Building	Academic	Yes	level yes	n/a	Yes	Yes	10,000	Yes	n/a	1	75,000	Yes	5,000	No	0	No	15,000	105,000	
Compart Services Market												2 in									Better signage needed to guide disabled person to
10 General Austerno Austern	29	Togo Salmon Hall	Academic	No	Yes	n/a	Yes	Yes	n/a	Yes	n/a	basement	75,000	Yes	5,000	No	25,000	Yes	15,000	120,000	facilities offered in building
10 General Austerno Austern																					navigation inside the greenhouse and access to the
Compute Services finitishing Austreamic No. 100, 100, 100, 100, 100, 100, 100, 10	30	Greenhouse	Academic	No	Ves	n/a	No	Ves	10 000	No	300,000	0	n/a	No	n/a	No	n/a	No	n/a	310 000	_
Second Content	30	Greenmouse	ricadenne	110	165	11/ 4	140	103	10,000	140	300,000	Ŭ	11, 0	110	, a	110	11/ 4	110	11/4	310,000	
Transferral Acceleration Personal Processing Personal Proces	24	6 6 7 7 11				400.000			40.000		4 000 000		,		F 000		,		,	4 405 000	
Transform Accelerator Acce	31	Campus Services Building	Academic	No	No	180,000	No	NO	10,000	No	1,000,000		n/a	NO	5,000	No	n/a	No	n/a	1,195,000	disabled access
Second S																					
Augined Dynamics Augined Dyn	32	Tandam Accelerator	Academic	Yes	Yes	n/a	No	No	10,000	Yes	n/a	floor	n/a	No	5,000	Yes	30,000	No	10,000	55,000	No elevator in building
## Applied Parameters No Ves No Parameters No Ves No Parameters No Ves No No Parameters No No No No No No No N							Ground														
## Applied Dynamics Anciente No Ves Count Anciente No Ves Count Anciente No Ves Ves Count Anciente Ves Level entry Ancient Ves Ves							level is														No elevator in building. Building not designed nor
Psychology Academic Ves Psychology Academic Ves Psychology Academic Ves	33	Annlied Dynamics	Academic	No	Yes	n/a		Ves	n/a	No	1 000 000	0	0	No	n/a	No	n/a	No	10 000	1 010 000	
Assemble Machemic	33	Applied Dynamics	Academic	140		11/4	розлыс	ycs	11/4	110	1,000,000	, i		110	11/4	110	11/ 4	110	10,000	1,010,000	interided to be disabled decessible
State Minimal Minima				.,		,				.,	,			.,						450.000	
Second S							-		-								·				Building is currently under construction
Vest	35	Woodstock Hall	Residence	Yes	Yes	n/a	No	Yes	n/a	Yes	n/a	0	75,000		n/a	Yes	n/a	No		130,000	
Miles Mile	36	Brandon Hall	Residence	Yes	Yes	n/a	No	Yes	n/a	Yes	n/a	0	n/a	N/A	n/a	Yes	n/a	No	10,000	10,000	
Access to building may be achieved by taking ramp in tag 2, 20 rids, Access to building may be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to an achieved and achieved achieved by taking ramp in tag 2, 20 rids, Access to an achieved and achieved achieved by taking ramp in tag 2, 20 rids, Access to an achieved and achieved achieved by taking ramp in tag 2, 20 rids, Access to an achie					Yes, from																
Access to building may be achieved by taking ramp in tag 2, 20 rids, Access to building may be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to building and be achieved by taking ramp in tag 2, 20 rids, Access to an achieved and achieved achieved by taking ramp in tag 2, 20 rids, Access to an achieved and achieved achieved by taking ramp in tag 2, 20 rids, Access to an achieved and achieved achieved by taking ramp in tag 2, 20 rids, Access to an achie					different																
Remeth Taylor Hall Academic No 66,511 No 46,511 No No No 10,000																					Access to building may be achieved by taking ramn
Second S					_																
Same entry Co-building Convext side No Ves No No Ves No No No No No No No N	20					,	.,		,	.,	,		75.000	.,	F 000		20.000		45.000	425.000	
Solution	38	Kenneth Taylor Hall	Academic	No	46, 51)	n/a	Yes	Yes	n/a	Yes	n/a	1 basement	75,000	Yes	5,000	No	30,000	No	15,000	125,000	arts building are all connected
Solution																					
Life Sciences																					
39 Life Sciences Academic No Yes N/a Yes Yes N/a No Yes N/a No Yes N/a No Yes N/a No No No No No No No N					to building																
39 Life Sciences Academic No Yes N/a Yes Yes 20,000 Yes n/a 10,000 entrance-ramp					on west side							2 on first									Building provides for basic accessibilty from west
Bates Residence Residence Ves Ves r/a No No 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 1	39	Life Sciences	Academic	No			Yes	Yes	20.000	Yes	n/a		75.000	Yes	5.000	Ves	n/a	No	n/a	100.000	= 1
Thode Library Academic Ves level entry n/a Ves ves n/a No n/a N					1		+		-				· · · · · ·		· ·	•					
Thode Library Academic Ves level entry n/a Ves Ves n/a Ves n/a ves n/a push button 75,000 Ves 5,000 Ves n/a No n/a 80,000 washrooms not well signed for push button access Academic Ves level entry n/a Ves Ves n/a Ves N/a 4 n/a Ves 5,000 Ves 20,000 No 20,000 A5,000 greater access Recent removal members to building have made for Ves level entry n/a Ves N/a Ves N/a A N/a	40	Dates Residence	Residence	163	163	11/4	INO	163	11/ a	163	11/ 0	-	11/ 0	IN/A	11/ a	163	11/ a	NO	10,000	10,000	
Thode Library Academic Ves level entry n/a Ves Ves n/a Ves n/a ves n/a push button 75,000 Ves 5,000 Ves n/a No n/a 80,000 washrooms not well signed for push button access Academic Ves level entry n/a Ves Ves n/a Ves N/a 4 n/a Ves 5,000 Ves 20,000 No 20,000 A5,000 greater access Recent removal members to building have made for Ves level entry n/a Ves N/a Ves N/a A N/a]												
Communications Research Academic Ves level entry In/a Ves n/a									1												
43 Communications Research Academic Yes level entry n/a Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 20,000 45,000 greater access 44 MUMC parking complex Other 45 Hedden Hall Residence Yes Yes n/a No Yes n/a Yes n/a Yes n/a 4 n/a No 35,000 No 10,000 45,000 Mo 45,	42	Thode Library	Academic	Yes	level entry	n/a	Yes	Yes	n/a	Yes	n/a	push button	75,000	Yes	5,000	Yes	n/a	No	n/a	80,000	
43 Communications Research Academic Yes level entry n/a Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 20,000 45,000 greater access 44 MUMC parking complex Other 45 Hedden Hall Residence Yes Yes n/a No Yes n/a Yes n/a Yes n/a 4 n/a No 35,000 No 10,000 45,000 Mo 45,					Ground				1												Recent improvements to building have made for
MUMC parking complex	43	Communications Research	Academic	Yes	level entry	n/a	Yes	Yes	n/a	Yes	n/a	4	n/a	Yes	5,000	Yes	20,000	No	20,000	45,000	
Hedden Hall Residence Yes Yes n/a No Yes n/a Yes n/a Yes n/a A n/a No 35,000 No 10,000 45,000 Meet chair ramp at front entrance entrance entrance entrance entrance and accessible with access to many washrooms As Institute of Applied Health Sciences Academic Yes wes side and ramp east side entrance ramp and all floors and side n/a Yes n/a Yes n/a Yes n/a Yes so,000 Yes so,000 Yes so,000 No 10,000 35,000 to all levels of building No to all levels of building No side n/a Yes so,000 Yes so,00					1	1			1	1	, .	1			,		,	-	,	· · · · · · · · · · · · · · · · · · ·	
wheel chair ramp at front entrance ramp and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled access to have life front entrance and all floors are disabled access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life front entrance and all floors are disabled accessible with access to have life				Voc	Voc	n/a	No	Voc	n/2	Voc	n/2	1	n/2	NI/A	n/2	No	35 000	No	10.000		
Pegroote School of Business Academic Yes yes n/a Yes Yes yes n/a Yes yes yes n/a Yes yes yes yes yes yes yes yes	43	Heudell fidil	residence	162		11/4	INO	162	11/4	162	11/ d	4	11/ d	IV/A	11/ d	INU	33,000	INU	10,000	43,000	
46 Degroote School of Business Academic Yes yes n/a Yes Yes n/a Yes Yes n/a Yes Yes n/a Yes n/									1												
Heather than the state of the s					ramp at]												
Here the province of the provi					front				1												
Here the province of the provi					entrance				İ			11 all floors									and all floors are disabled accessible with access to
48 Institute of Applied Health Sciences Academic Yes Ground level yes n/a Yes Yes 20,000 Yes n/a 6 all floors have n/a Yes 5,000 No 0 No 0 25,000 Science of the control of	46	Degroote School of Business	Academic	Yes		n/a	Yes	Yes	n/a	Yes	n/a		n/a	Yes	5.000	Yes	30,000	No	10.000	45.000	
48 Institute of Applied Health Sciences Academic Yes level yes n/a Yes 20,000 Yes n/a have n/a Yes 5,000 No 0 No 0 25,000 And 0 25,000	1			1	<u> </u>	,	1		1 ., -	 	.,.		.,.		2,220	l	,		-,-50	,	,
Both ground access west side and ramp east 49 Information Technology Building Academic No side n/a Yes Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 10,000 35,000 to all levels of building	40	Institute of Applied Health Sciences	Acadomic	Voc		n/2	Voc	Voc	20,000	Vos	2/2		n/2	Voc	E 000	No	0	No	0	35,000	
access west side and ramp east 49 Information Technology Building Academic No side n/a Yes Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 10,000 35,000 to all levels of building	40	moutate of Applied Health Sciences	Acadelliic	162	ievei yes	11/ d	162	162	20,000	162	11/ a	iiave	11/ a	162	3,000	INU	U	INU	U	23,000	
access west side and ramp east 49 Information Technology Building Academic No side n/a Yes Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 10,000 35,000 to all levels of building					1 .				1												
side and ramp east 49 Information Technology Building Academic No side n/a Yes Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 10,000 35,000 to all levels of building					Both ground				İ												
ramp east linformation Technology Building Academic No side n/a Yes Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 10,000 35,000 to all levels of building					access west]												
ramp east linformation Technology Building Academic No side n/a Yes Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 10,000 35,000 to all levels of building					side and				1												
49 Information Technology Building Academic No side n/a Yes Yes n/a Yes n/a 4 n/a Yes 5,000 Yes 20,000 No 10,000 35,000 to all levels of building									İ												Recent renovations have improved disabled access
	1	Information Technology Building	Academic	No		n/a	Voc	Vec	n/a	Vac	n/a	1	n/a	Vec	5,000	Vec	20,000	No	10.000	35,000	·
ou mary neges nesidence residence res yes n/a res res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res n/a res	ΛO		i Acadelliic	INU	side	11/d	162	162	II/d	162	11/d	4	II/d	162	3,000	162	20,000	INU	10,000	33,000	Ito an icveis of bulluling
						- 1c		Vac	~ /-	Vac	- /-	12		NI/A	- 1-	V	- 1-	NI.		10.000	

APPENDIX A - CAMPUS AUDIT AND ESTIMATE FOR IMPROVEMENTS CAAP 2018-2023

										CAAP 20	10-2023									
51	Student Centre	Other	Yes	Ground level east side & south side yes	n/a	Yes	Yes	n/a	Yes	n/a	5	n/a	Yes	5,000	Yes	20,000	No	10,000	35,000	newer facility with interior ramps have enabled disabled access to all of building
52	Michael Degroote Centre for Learning	Academic	Yes	Ground level entry on both north side & south side	n/a	Yes	Yes	n/a	Yes	n/a	24	n/a	Yes	5,000	Yes	20,000	No	10,000	35,000	Basically all washrooms are accessible, however only some have e apush button access, although all have disability signage and large washroom stall
53	Les Prince Hall	Residence	Yes	Yes	n/a	Yes	Yes	n/a	Yes	n/a	4	n/a	N/A	n/a	Yes	n/a	No	10,000	10,000	, , , ,
54	David Braley Athletic Centre	Other	Yes	Ground level entrance	n/a	Yes	Yes	n/a	Yes	n/a	5	n/a	Yes	n/a	Yes	20,000	No	10,000	30,000	building very accessible with ramps designed to access all areas
55	Ron Joyce Stadium	Other	No	Ground level outside	n/a	No	Yes	n/a	No, football stadium	n/a	3/ 1 designed for disabled	n/a	No	5,000	No	20,000	No	10,000	35,000	Unique building. Due to the nature of it, there is not 100% accessibility, but the building is a recent design, and there is space and routes designated for individuals requiring special access. Elevator locked difficult to access form ground level of stadium
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Ground	, -			, -		, -	13 all floors	, .		-,		-,		-,	,	Modern-new building that is well designed for
56	Engineering Technology Building	Academic	Yes	level entry	n/a	Yes	Yes	n/a	Yes	n/a	have	n/a	Yes	n/a	Yes	20,000	Yes	10,000	30,000	disabled accessibility well signed
74	L.R. Wilson Hall	Academic	Yes	Yes	n/a	Yes	Yes	n/a					Yes	n/a	Yes	n/a	Yes	n/a		Modern -new building that is well designed for disables accessibility
T13	Temporary Building 13	Academic	No	Ground level entry	n/a	Yes	Yes	n/a	Yes	n/a	2	n/a	No	n/a	No	5,000	N/A	n/a	5,000	No elevator in building
TB26	Temporary Building 26	Academic	No	A wood wheel chair west side of building	n/a	No	No	10,000	Yes	n/a	1	n/a	No	n/a	No	n/a	N/A	n/a	10,000	A small cooking facility for Hospitality Services. Not at all accessible. Wheel chair ramp on west side however, can't access building, only from inside. Washroom, no push button-Access-not designed as disabled washroom. No elevator or drinking fountains in building.

Total Cost Estimates per Category 570,000 275,000 25,800,000 1,470,000 120,000 660,000 740,000 \$ 29,635,000.00

APPENDIX B - RECOMMENDED IMPROVEMENTS IN ACADEMIC AND ADMINISTRATIVE BUILDINGS 2018 - 2023

										2010	5 - 2023									
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																larm fire				
										flancia delete ale e						ation for s who have				
										floors within the										
				the exterior d				xterior doors		adding elevator		barrier free		barrier free		aring bells or		ree path of		
				building (ramp	os)	using ai	utomatic doc	r openers		or lift	washroo	m facilities	drinkii	ng water	sir	ens	travel insi	de building		
				Ramp to	Estimated		If no, are	Estimated						Estimated		Estimated	Barrier free	Estimated		1
		Academic/	Exterior	Building /	Cost To		there	Cost To	Interior	Estimated Cost		Estimated Cost	Lowered	Cost To	Strobes in	Cost To	path of	Cost To	Total Cost	
Building		Residence/	100%	Ground	Improve to	Auto Door	accessible		100%	To Improve to		To Improve to	water	Improve to	corridors	Improve to	travel	Improve to	Estimates per	
Number	Name	other	accessible	Level	Minimum	Openers	entrances	Minimum	accessible		washrooms	Minimum	fountains	Minimum	and lounges	•	available		Building	Comments
				1		- position					3, no									
				ground level							disabled									
				access at		Yes, at west					w/rooms on									
1	University Hall	Academic	No	west side	n/a	entrance	Yes	n/a	Yes		1st floor	\$75,000.00	Yes	\$5,000.00	No	\$10,000.00	No	\$30,000.00	\$120,000.00	
-	Oniversity fram	reductifie	140	West side	11, 4	citatice	163	11, 4	163		8, no auto	\$75,000.00	163	43,000.00	110	\$10,000.00	140	\$30,000.00	Ϋ120,000.00	
				ground level							door on 2nd,									
				access at							3rd & 4th									
	Hamilton Hall	A and amin	No		2/2	Voc	Voc	2/2	Voc			¢75 000 00	(2) Voc	2/2	Vas	¢0.00	No	¢20,000,00	¢105 000 00	
2	Hamilton Hall	Academic	No	south side	n/a	Yes	Yes	n/a	Yes		floor	\$75,000.00	(2) Yes	n/a	Yes	\$0.00	No	\$30,000.00	\$105,000.00	
4	Refectory	Academic	No	Yes	n/a	Yes	Yes	\$10,000.00	No		2, Yes	n/a	yes	\$5,000.00	No	\$0.00	No	\$0.00	\$15,000.00	
													fountains,							
													must							
7	Alumni House	Academic	Yes	Yes	n/a	Yes	Yes	\$0.00	No		1, yes	\$0.00	provide	\$5,000.00	Yes	\$0.00	No	n/a	\$5,000.00	
	Autilia House	Academic	103	1,03	, a	, c.s	103	Ç0.00	140		2, no	Ç0.00	provide	Ç3,000.00	153	70.00	140	11/ 0	43,000.00	
				1							button		No							
	Alumni Marsarial Hall	A co domi:	NI-	Vaa	n/a	Vac	Vaa	n/-	NI-			¢0.00		¢E 000 00	Vaa	\$0.00	NI-	¢20,000,00	¢3E 000 00	
8	Alumni Memorial Hall	Academic	No	Yes	n/a	Yes	Yes	n/a	No		access	\$0.00	fountains	\$5,000.00	Yes	\$0.00	No	\$30,000.00	\$35,000.00	
											3, no									
					,	exterior		,			auto door					4			4	
9	Nuclear Research	Academic	Yes	Yes, 2 ramps	n/a	only	Yes	n/a	Yes		opener	n/a	1, yes	\$5,000.00	Yes	\$0.00	No	\$15,000.00	\$20,000.00	
											1 Library									
											access 4, 2									
											museum no									
											button									
10	Mills Library	Academic	Yes	Yes	n/a	Yes		n/a	No		access	\$0.00	Yes	\$5,000.00	yes	\$0.00	No	\$30,000.00	\$35,000.00	
				2, Yes.																
				Additional																
11	Burke Science	Academic	No	@n-w side	\$20,000.00	Yes	Yes	\$10,000.00	Yes		5	n/a	Yes	\$5,000.00	Yes	\$0.00	Yes	\$45,000.00	\$80,000.00	
				<u> </u>	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			, -,				,		, - ,		,		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,	
				No. Security									No							
12	E.T. Clark Centre	Academic	No	Office	\$40,000.00	No	No	\$15,000.00	No		0	\$75,000.00	fountains	\$5,000.00	yes	\$35,000.00	No	n/a	\$170,000.00	
15	Nuclear Reactor	Academic	N/A	No	n/a	No	N/A	n/a	N/A		0	n/a	No	n/a	yes	\$0.00	No	n/a	\$0.00	
13	Nuclear Neactor	Academic	IN/A	INO	11/ a	INO	IN/A	11/4	IN/A		0	11/ a	NO	11/ a	yes	\$0.00	INO	11/ a	\$0.00	
				Vaa					Vac ifin a											
				Yes.					Yes if using		0									
				Additional					freight		9, no button	4		,		4		400 000 00	4	
16	John Hodgins Engineering	Academic	Yes	on n-w side		yes	Yes	\$40,000.00	elevator		access	\$95,000.00	Yes	n/a	no	\$35,000.00		\$60,000.00		
20	Gilmour Hall	Academic	No	Yes	n/a	No	Yes	n/a	Yes	-	0	\$75,000.00	Yes	\$5,000.00	no	\$20,000.00	No	\$45,000.00	\$145,000.00	
				Yes.																
				Additional																
22	General Science	Academic	No	on east side	\$60,000.00	Yes	Yes	\$10,000.00	Yes		1	\$100,000.00	Yes	n/a	no	\$0.00	yes		\$170,000.00	
			<u> </u>	Both ramp							l T									
				to 1st floor																
				an ground							2 in									
				level to							basement.									
				basement							No automatic									
23	Chester New Hall	Academic	No	yes	n/a	yes	Yes	n/a	Yes		door openers	\$75,000.00	yes	n/a	yes	\$35,000.00	Yes	\$15,000.00	\$125,000.00	
	-			<i>'</i>	<u> </u>	1 ·		<u> </u>				. ,	, , , , , , , , , , , , , , , , , , ,	•						
				Yes, south																
				side		Ī														
				entrance							4 although									
				with button							not clearly									
24	Ivor Wynne Centre	Academic	Yes	access	n/a	Yes	Yes	n/a	Yes		identified	\$75,000.00	Yes	\$5,000.00	no	\$30,000.00	No	\$20,000.00	\$130,000.00	
25	A. N. Bourns	Academic	No	Yes	n/a	Yes	Yes	n/a	Yes	1	2 first floor	n/a	Yes	55,000.00 n/a	no	\$30,000.00	No	\$15,000.00	\$45,000.00	
23	A. IV. DUUITIS	Academic	INU	Ground	11/ d	162	162	11/ d	162		2 inst floor	пуа	162	11/ d	110	330,000.00	INU	\$13,000.00	\$45,000.00	
20	Commons Building	A cod amais	V		n/a	Vac	Vaa	¢10,000,00	V			¢7E 000 00	Vos	¢E 000 00	,,,,,	\$0.00	NI-	¢1E 000 00	¢10E 000 00	
28	Commons Building	Academic	Yes	level yes	n/a	Yes	Yes	\$10,000.00	Yes	1	basement	\$75,000.00	Yes	\$5,000.00	yes	\$0.00	No	\$15,000.00	\$105,000.00	
20	T 0 !"	1		.,	,		.,	,	.,		2 in	67F 000 00		de 000 00		63F 005 55	.,	645 000 00	6430.000.00	
29	Togo Salmon Hall	Academic	No	Yes	n/a	Yes	Yes	n/a	Yes		basement	\$75,000.00	Yes	\$5,000.00	no	\$25,000.00	Yes	\$15,000.00	\$120,000.00	
30	Greenhouse	Academic	No	Yes	n/a	No	Yes	\$10,000.00	No		0	n/a	No	n/a	No	n/a	No	\$15,000.00	\$25,000.00	
				1 .							1 on 2nd	_		4					4	
31	Campus Services Building	Academic	No	No	L	No	No	\$10,000.00	No		floor	n/a	No	\$5,000.00	No	n/a	No	n/a	\$15,000.00	

APPENDIX B - RECOMMENDED IMPROVEMENTS IN ACADEMIC AND ADMINISTRATIVE BUILDINGS

2018 - 2023

		1		1	1			1			2023	1			1	1		, ,	
22			.,		- 1-	NI-	N 1-	640,000,00	V		2 on first	/-	NI-	ć= 000 00		422 222 22		440,000,00	¢55 000 00
32	Tandam Accelerator	Academic	Yes	Yes	n/a	No Ground	No	\$10,000.00	Yes		floor	n/a	No	\$5,000.00	no	\$30,000.00	No	\$10,000.00	\$55,000.00
						level is													Elevator cost is shared with the Faculty of
33	Applied Dynamics	Academic	No	Yes	n/a	possible	yes	n/a	No	\$500,000.00	0	\$0.00	No	n/a	No	n/a	No	\$10,000.00	\$510,000.00 Engineering
33	Applied Dyllamics	Academic	INU	Ground	11/ a	possible	yes	11/ a	NO	\$300,000.00	1 on first	γ 0.00	INU	11/ a	INU	11/a	INU	\$10,000.00	\$310,000.00 Engineering
34	Psychology	Academic	Yes	level entry	n/a	yes	yes	\$20,000.00	Yes		Floor	\$75,000.00	Yes	\$5,000.00	No	\$30,000.00	No	\$20,000.00	\$150,000.00
34	1 3 4 611010 6 4	ricaderine	163	Yes, from	11/ 4	yes	yes	720,000.00	163		11001	\$73,000.00	163	73,000.00	110	750,000.00	110	\$20,000.00	¥130,000.00
				different															
				buildings															
				(i.e. 23, 29,															
38	Kenneth Taylor Hall	Academic	No	46, 51)	n/a	Yes	Yes	n/a	Yes		1 basement	\$75,000.00	Yes	\$5,000.00	No	\$30,000.00	No	\$15,000.00	\$125,000.00
	,			, ,				,				, ,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
				Ramp entry															
				to building															
				on west side							2 on first								
39	Life Sciences	Academic	No	yes	n/a	Yes	Yes	\$20,000.00	Yes		floor	\$75,000.00	Yes	\$5,000.00	yes	\$0.00	No	n/a	\$100,000.00
				Ground							2 basement								
42	Thode Library	Academic	Yes	level entry	n/a	Yes	Yes	n/a	Yes		push button	\$75,000.00	Yes	\$5,000.00	Yes	\$0.00	No	n/a	\$80,000.00
			l ,	Ground		,,		,	.,		l .	/		ć5 000 00		400 000 00		dan can a-	¢45 000 00
43	Communications Research	Academic	Yes	level entry	n/a	Yes	Yes	n/a	Yes		4	n/a	Yes	\$5,000.00	yes	\$20,000.00	No	\$20,000.00	\$45,000.00
				wheel chair															
				ramp at front															
				entrance							11 all floors								
46	Degroote School of Business	Academic	Yes	yes	n/a	Yes	Yes	n/a	Yes		have	n/a	Yes	\$5,000.00	no	\$30,000.00	No	\$10,000.00	\$45,000.00
	Degree Sensor of Dasiness	ricaderine	163	Ground	11/ 4	165	103	11/4	103		6 all floors	11/ 4	163	43,000.00	110	\$30,000.00	140	\$10,000.00	Ç-13,000.00
48	Institute of Applied Health Sciences	Academic	Yes	level yes	n/a	Yes	Yes	\$20,000.00	Yes		have	n/a	Yes	\$5,000.00	yes	\$0.00	No		\$25,000.00
				,															
				Both ground															
				access west															
				side and															
				ramp east															
49	Information Technology Building	Academic	No	side	n/a	Yes	Yes	n/a	Yes		4	n/a	Yes	\$5,000.00	no	\$20,000.00	No	\$10,000.00	\$35,000.00
				Ground															
				level entry															
				on both north side &															
52	Michael Degroote Centre for Learning	Academic	Yes	south side	n/a	Yes	Yes	n/a	Yes		24	n/a	Yes	\$5,000.00	no	\$20,000.00	No	\$10,000.00	\$35,000.00
32	Which de Degroote centre for Leaffiling	Academic	163	Ground	11/0	163	163	11/4	163	1		11/0	163	75,000.00	110	720,000.00	140	710,000.00	
				level															
54	David Braley Athletic Centre	Other	Yes	entrance	n/a	Yes	Yes	n/a	Yes		5	n/a	Yes	\$5,000.00	no	\$20,000.00	No	\$10,000.00	\$35,000.00
				Ground					No, football		3/ 1 designed								
55	Ron Joyce Stadium	Other	No	level outside	n/a	No	Yes	n/a	stadium		for disabled	n/a	No	\$5,000.00	No	\$20,000.00	No	\$10,000.00	\$35,000.00
				Ground			· <u> </u>				13 all floors								
56	Engineering Technology Building	Academic	Yes	level entry	n/a	Yes	Yes	n/a	Yes		have	n/a	Yes	n/a	no	\$20,000.00	Yes	\$10,000.00	\$30,000.00
				Ground															
T13	Temporary Building 13	Academic	No	level entry	n/a	Yes	Yes	n/a	Yes		2	n/a	No		No	\$5,000.00	N/A	n/a	\$5,000.00
				1															
				A wood															
				wheel chair															
TB26	Temporary Building 26	Academic	No	west side of building	n/a	No	No	n/a	Yes		1	n/a	No	n/a	No	\$0.00	N/A	n/a	\$0.00
1020	Total Cost Estimates per Category	Academic	INU	Dullullig	\$140,000.00		INU	\$185,000.00	162	\$500,000.00	1	\$1,095,000.00	INU	\$125,000.00	NU	\$465,000.00		\$515,000.00	·
	. otal cost Estimates per Category				7±70,000.00			7±00,000.00		4300,000.00		71,000,000.00		7123,000.00		y-00,000.00		42±2,000.00	

Total Cost

\$3,025,000.00

APPENDIX C - AUDIT AND ESTIMATE FOR IMPROVEMENTS IN HOUSING AND CONFERENCE SERVICES BUILDINGS

			_			1			1				ı						ı	
															Visual a	alarm fire				
									Access to al	I floors within the						for individuals				
			Access	to the exterior o	loors of the	Assisted acce	ess to the exte	rior doors using	building by a	adding elevator or	Access to	barrier free	Access to	o barrier free	who hav	e difficulty	Barrier Free	path of travel		
				building (ramp			omatic door o			lift		om facilities	drink	ing water	hearing be	ells or sirens	inside	building		
		Aca		Ramp to	Estimated		If no, are	Estimated								Estimated	Barrier free	Estimated		
		dem ic/	Exterior	Building /	Cost To		there	Cost To	Interior	Estimated Cost		Estimated Cost	Lowered	Estimated Cost	Strobos in	Cost To	path of	Cost To		
Building		Resi		Ground	Improve to	Auto Door	accessible	Improve to	100%	To Improve to	# of Disabled		water	To Improve to		Improve to			Total Cost Estimate	e e
Number	Name		accessible		Minimum	Openers	entrances	Minimum	accessible	•	washrooms	Minimum	fountains	•	and lounges	•	available	Minimum	per Building	Comments
5	Edwards Hall	side		No		No	No	1	No		0		N/A	n/a	Yes	\$0.00	N/A	n/a	\$0.00	
3	Edwards Hall	5.00.									-		,	1,72		φσ.σσ	,/.	, a	70.00	
				Yes, ground																
6	Wallingford Hall	side	n No	level entry	n/a	No	Yes		No		0		N/A	n/a	Yes	\$0.00	N/A	n/a	\$0.00	
18	Moulton Hall	sideı	n No	Yes	n/a	Yes	Yes	n/a	Yes		1	n/a	N/A	n/a	No	\$10,000.00	No	\$35,000.00	\$45,000.00	
19	Whidden Hall	sidei	r Yes	Yes	n/a	No	Yes		Yes		0	\$75,000.00	N/A	n/a	No	\$0.00	No	\$35,000.00	\$110,000.00	
26	Matthews Hall	side	n No	Yes	n/a	No	Yes	n/a	No		0		N/A	n/a	yes	\$0.00	N/A	n/a	\$0.00	
27	McKay Hall	sideı	r Yes	Yes	n/a	No	Yes	n/a	Yes		2		N/A	n/a	no	\$30,000.00	No	\$55,000.00	\$85,000.00	
35	Woodstock Hall	sidei	r Yes	Yes	n/a	No	Yes	n/a	Yes		0	\$75,000.00	N/A	n/a	no	\$30,000.00	No	\$55,000.00	\$160,000.00	
36	Brandon Hall	side	r Yes	Yes	n/a	No	Yes	n/a	Yes		0	\$0.00	N/A	n/a	no	\$30,000.00	No	\$10,000.00	\$40,000.00	Funds for B.F. washroom already committed
40	Bates Residence	sidei		Yes	n/a	No	Yes	n/a	Yes		1	n/a	N/A	n/a	no	\$0.00	No	\$10,000.00	\$10,000.00	
45	Hedden Hall	sideı		Yes	n/a	No	Yes	n/a	Yes		4	n/a	N/A	n/a	No	\$35,000.00	No	\$10,000.00	\$45,000.00	
50	Mary Keyes Residence	sideı		yes	n/a	Yes	Yes	n/a	Yes		12	n/a	N/A	n/a	no	\$30,000.00	No	\$10,000.00	\$40,000.00	
53	Les Prince Hall	side	r Yes	Yes	n/a	Yes	Yes	n/a	Yes		4	n/a	N/A	n/a	yes	\$0.00	No	\$10,000.00	\$10,000.00	
	Total Cost Estimates per Category				\$0.00			\$0.00				\$150,000.00		\$0.00		\$165,000.00		\$230,000.00		

Total Cost \$545,000.00

APPENDIX D – PROPOSED CAAP PROGRAM FOR 2018-2019

#	Description	Estimated Budget
1	Ramp at exterior doors of the building – BSB, JHE	
2	Assisted access to the frequently used exterior doors – BSB, JHE, E.T.Clark (Security Office)	
3	Additional barrier free washroom – University Hall, GSB	
4	Assisted access to all frequently accessed interior doors – JHE	
5	Fire alarm visual notification in corridors – GSB, TSH	
6	Additional barrier free drinking water fountain – CNH and TSH	
	Total cost estimate for 2018-2019	\$334,000

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