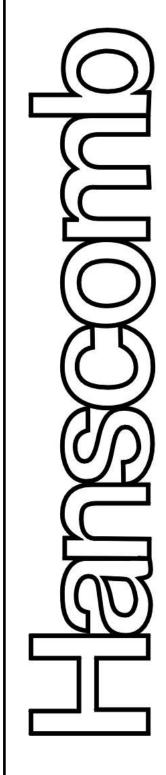
CITY OF HAMILTON PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION HAMILTON, ONTARIO

CLASS 'C' ESTIMATE UPDATE

June 4, 2015



CITY OF HAMILTON PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION **HAMILTON, ONTARIO**

CLASS 'C' ESTIMATE UPDATE

Prepared For:

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June 4, 2015

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PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION

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- B AHU Replacement
- C Floors 4 and 5 Office Fit-out
- D Documentation

HAMILTON, ONTARIO Page No 2

1. INTRODUCTION

1.1 Purpose: This Class 'C' Estimate Update is intended to provide a realistic

allocation of direct and indirect construction costs for the City of Hamilton, Provincial Offenses Administration Office Relocation, located in Hamilton, Ontario, with exceptions of items listed in 1.4

below.

1.2 From the documentation and information provided, quantities of all Methodology:

major elements were assessed or measured where possible and priced at rates considered competitive for a project of this type under a CCDC C5 Construction Management form of contract in Hamilton,

Ontario.

Pricing shown reflects probable construction costs obtainable in the Hamilton, Ontario area on the effective date of this report. This estimate is a determination of fair market value for the construction of this project. It is not a prediction of low bid. Pricing assumes

competitive bidding for every portion of the work.

1.3 Specifications: For building components and systems where specifications and

design details are not available, quality standards have been

established based on discussions with the design team.

1.4 Exclusions: This Class 'C' Estimate Update does not provide for the following, if

required:

- Land acquisition costs and impost charges
- Development charges
- Legal fees and expenses
- Right of way charges
- Easement costs
- Financing costs
- Fund raising costs
- Owner's staff and associated management
- Relocation of existing facilities, including furniture and equipment
- Professional fees and expenses
- Cost of contaminated soil removal
- Kitchen equipment
- Laundry equipment
- Laboratory equipment
- Window washing equipment
- Maintenance equipment

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PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION

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1. INTRODUCTION

1.4 Exclusions: (continued)

- Loose furniture, furnishings and equipment
- Phased construction premiums
- Preventative maintenance contracts
- Building permit
- Harmonized Sales Tax



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PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION

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2. DOCUMENTATION

• This Class 'C' Estimate Update has been prepared from the documentation included in Appendix D of this report

All of the above documentation was received from Invizij Architects Inc. and was supplemented with information gathered in meeting(s) and telephone conversations with the design team, as applicable.

Design changes and/or additions made subsequent to this issuance of the documentation noted above have not been incorporated in this report.

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3. COST CONSIDERATIONS

3.1 Cost Base: All costs are estimated on the basis of a CCDC 5B Construction

Management form of contract. Subcontractor and supplier work will be tendered by the Construction Manager. The Construction

Manager will be selected through an RFP process.

3.2 Escalation: An allowance 2.5% per annum of has been made for construction

cost escalation that may occur between June 2015 and the anticipated bid date of for the project. Under the construction Management process, sequential package bidding will start in

September 2015 but may not be complete until April 2016.

3.3 Contingencies: An allowance of 10% has been included to cover design and pricing

unknowns. This allowance is not intended to cover any program space modifications but rather to provide some flexibility for the designers and cost planners during the remaining contract document

stages.

A separate allowance of 5% has been made to cover construction

(post contract) unknowns.

3.4 Unit Rates: The unit rates in the preparation of this Class 'C' Estimate Update

include labour and material, equipment, subcontractor's overheads

and profits.

3.5 Taxes: No provision has been made for the Harmonized Sales Tax. It is

recommended that the owner make separate provision for HST in the

project budget.

3.6 Statement of

Probable Costs: Hanscomb has no control over the cost of labour and materials, the

contractor's method of determining prices, or competitive bidding and market conditions. This opinion of probable cost of construction is made on the basis of experience, qualifications and best judgment of the professional consultant familiar with the construction industry. Hanscomb cannot and does not guarantee that proposals, bids or actual construction costs will not vary from this or subsequent cost

estimates.

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PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION

HAMILTON, ONTARIO Page No : 6

3. COST CONSIDERATIONS (cont'd)

3.6 Statement of Probable Costs: (continued)

Hanscomb has prepared this estimate in accordance with generally accepted principles and practices. Hanscomb's staff is available to discuss its contents with any interested party.

3.7 Ongoing Cost Control:

Hanscomb recommends that the Owner and design team carefully review this document, including line item description, unit prices, clarifications, exclusions, inclusions and assumptions, contingencies, escalation and mark-ups. If the project is over budget, or if there are unresolved budgeting issues, alternative systems/schemes should be evaluated before proceeding into the next design phase.

Requests for modifications of any apparent errors or omissions to this document must be made to Hanscomb within ten (10) days of receipt of this estimate. Otherwise, it will be understood that the contents have been concurred with and accepted.

It is recommended that a final update estimate be produced by Hanscomb using Bid Documents to determine overall cost changes that may have occurred since the preparation of this estimate. The final updated estimate will address changes and additions to the documents, as well as addenda issued during the bidding process. Hanscomb cannot reconcile bid results to any estimate not produced from bid documents including all addenda.



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4. GROSS FLOOR AND SITE DEVELOPED AREAS

GROSS FLOOR AREA:

Description	m2
Basement	2,642
First Floor	2,346
Second Floor	1,873
Third Floor	892
Fourth Floor	892
Fifth Floor	892
Penthouse (not in GFA)	379
,	
Total	9,573

SITE DEVELOPED AREA:

Description	m2
Area of Site	N/A
Building Foot Print Area	N/A
	N/A
Site Developed Area	N/A

Site Developed Area is the area of the site less the foot-print area of the building.

The above areas have been measured in accordance with the Canadian Institute of Quantity Surveyors' Method of Measurement of Buildings by Area and Volume.

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5. CONSTRUCTION COST ESTIMATE SUMMARY

COST SUMMARY:

	<u>Qty</u>	Rate	Cost
Renovation			\$20,931,200
3 - AHU Replacement			\$811,600
C - Level 4 and 5 Fit-out			\$1,235,800
Total- Excluding Contingencies	9,573 m2	\$2,400.36	\$22,978,600
- Design and Pricing Allowance	10%		\$2,297,900
- Escalation Allowance (12 months)	2.5%		\$631,900
Total- Including Contingencies	9,573 m2	\$2,706.40	\$25,908,400
- Harmonized Sales Tax			\$0
Total Construction Estimate	9,573 m2	\$2,706.40	\$25,908,400
- Construction Allowance	5%		\$1,295,400
Total Construction Estimate (Including Construction Contingency)	9,573 m2	\$2,841.72	\$27,203,800
- Construction Management Fee	3.5%		\$952,100
Total Construction Estimate (Including Construction Management Fee)	9,573 m2	\$2,941.18	\$28,155,900

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HAMILTON, ONTARIO

Appendix A - Renovation

Appendix A

Project : PROVINCIAL OFFENCES ADMIN. OFFICES

: RENOVATION

Location : HAMILTON, ON Owner : CITY OF HAMILTON **ELEMENTAL COST SUMMARY**

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Bldg Type : 310

C.T. Index : 0.0

	TY OF HAMILTON					C.T. Index :	0.0	_
Consultant : IN	VIZIJ ARCHITECTS & 4	VG ARCHITECTS				∋FA :	9,573 m	12
F 1 .	Ratio	Elemen	ntal Cost	Elementa	l Amount	Rate p	er m2	0/
Element	to GFA	Quantity	Unit rate	Sub-Total	Total	Sub-Total	Total	%
A SHELL		9,573 m2			6,688,100		698.64	32.0
A1 SUBSTRUCTUR	E				0		0.00	0.0
A11 Foundations	S			0		0.00		
A12 Basement E	xcavation			0		0.00		
A13 Special Con	ditions			0		0.00		
A2 STRUCTURE					0		0.00	0.0
	r Construction			0		0.00		
	Construction			0		0.00		
A23 Roof Constr				0	0.000.100	0.00		
A3 EXTERIOR ENC				0	6,688,100	0.00	698.64	32.0
A31 Walls Below		2,661 m2	2,257.35	6,006,800		627.47	ļ	
A33 Windows &		,	1,115.63	35,700		3.73		
A34 Roof Coveri			59.06	565,400		59.06		
A35 Projections	0.000	· ·	80,200.00	80,200		8.38		
B INTERIORS		9,573 m2	11,21111	,	4,149,300		433.44	19.8
B1 PARTITIONS & D	OORS	5,5.5			978,400		102.20	4.7
B11 Partitions	0.329	3,148 m2	148.03	466,000	970,400	48,68	102.20	4.7
B12 Doors	0.019		2,784.78	512,400		53.53		
B2 FINISHES	0.010	101 270	2,70170	012,100	1,312,600	00.00	137.11	6.3
B21 Floor Finishe	es 0.691	6,616 m2	72.39	478,900	1,012,000	50.03	107.11	0.0
B22 Ceiling Finis		6,616 m2	85.81	567,700		59.30		
B23 Wall Finishe		,	35.54	266,000		27.79		
B3 FITTINGS & EQU	JIPMENT				1,858,300		194.12	8.9
B31 Fittings & Fit	xtures 0.691	6,616 m2	139.51	923,000		96.42		
B32 Equipment	1.000	9,573 m2	15.39	147,300		15.39		
B33 Elevators	0.000	4 No.	197,000.00	788,000		82.31		
B34 Escalators				0		0.00		
C SERVICES		9,573 m2			5,189,800		542.13	24.8
C1 MECHANICAL					2,390,500		249.71	11.4
C11 Plumbing &		,	67.65	647,600		67.65		
C12 Fire Protecti		,	47.39	453,700		47.39		
C13 HVAC	1.000	,	107.34	1,027,600		107.34		
C14 Controls	1.000	9,573 m2	27.33	261,600		27.33		
C2 ELECTRICAL	1-1-1111 4 000	0.570	04.00	000 000	2,799,300	04.00	292.42	13.4
C21 Service & Di		,	31.22	298,900		31.22		
C22 Lighting, De C23 Systems & A	vices & Heating 1.000 Ancillaries 1.000		133.73 127.46	1,280,200 1,220,200		133.73 127.46		
	'		127.40		10 007 000	127.40	1.074.04	70.0
	BUILDING COST - EXC	_	T 1	\$	16,027,200		1,674.21	76.6
D SITE & ANCILLA	ARY WORK	9,573 m2			3,353,500		350.31	16.0
D1 SITE WORK			050 100 05	050 105	421,900		44.07	2.0
D11 Site Develop		1 Sum	352,400.00	352,400		36.81		
D12 Mechanical D13 Electrical Sit	Site Services te Services 0.000	1 Sum	69,500.00	0 69,500		0.00 7.26		
		i Sum	69,500.00	69,500	0.004.600	7.20	200.04	110
D2 ANCILLARY WO D21 Demolitions		9,573 m2	219.34	2,099,700	2,931,600	219.34	306.24	14.0
D21 Demolitions D22 Alterations	1.000		219.34 86.90	2,099,700 831,900		219.34 86.90		
			00.90		10 200 700	00.00	2 004 F0	00.6
	BUILDING COST - INC	LUDING SHE		\$	19,380,700		2,024.52	92.6
Z1 GENERAL REQUESTION Z11 General Rec		8.0 %		1,550,500	1,550,500	161.97	161.97	7.4
Z12 Fee	Janomonio	0.0 /0		1,330,300		0.00		
	L CONSTRUCTION ES	TIMATE - EVOLUDI	NG ALLOWANCE		20,931,200	3.00	2,186.48	100.0
Z2 ALLOWANCES	L CONSTRUCTION ES	TIMIATE - EXCLUDI	ING ALLOWANCE	. •				100.0
	icing Allowance	10.0 %		2,093,100	2,668,700	218.65	278.77	
	icing Allowance illowance (12 mos.)	2.5 %		2,093,100 575,600		60.13		
Z23 Construction	` ,	0.0 %		373,000 0		0.00		
	L CONSTRUCTION ES				23,599,900	0.00	2,465.26	
		I INCLUDII	ALLOWANCES	,	23,599,900		0.00	
VALUE ADDED 1	d Tax (GST/HST)	0.0 %		0		0.00	0.00	
					22 500 000		2.485.22	
IOTA	L CONSTRUCTION ES	TIMATE		\$	23,599,900	\$	2,465.26	

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АЗ Е	EXTERIOR ENCLOSURE		Quantity	Unit rate	Amount
A32	Walls Above Grade				
1	Remove existing curtain wall system and replace with new curtain wall and new spandrel panels		2,661 m2	1,020.00	2,714,200
	·		,	,	, ,
2	Extra over for laminated security glazing		115 m2	240.00	27,600
3	Extra over to replace existing curtain wall system using custom fabricated system to replicate framing existing design and to utilize existing spandrel panels		2,661 m2	1,076.00	2,863,200
4	Allowance to replace, patch and repoint existing stone cladding, allow				
	5% of stone		40 m2	850.00	34,000
5	Replace exterior insulation system		1,356 m2	142.20	192,800
	 Remove existing marble base trim and store for reuse 		270 m	10.00	2,700
	 Remove existing plaster and metal lathe c/w furrings 		1,365 m2	20.00	27,300
	 Install new drainage mat to interior surface 		1,356 m2	35.00	47,500
	 Install new 64mm metal stud framing 		1,356 m2	25.00	33,900
	- Install spray-applied insulation, 25mm		1,356 m2	26.00	35,300
	 Install new gypsum board wall finish 		1,356 m2	32.00	43,400
	- Reinstall existing marble base		270 m	10.00	2,700
6	Subcontractor general work		_		
	requirements		1 Sum	175,000.00	175,000
A32	Walls Above Grade	TOTAL:\$	2,661 m2	2,257.35	6,006,800
A33	Windows & Entrances				
1	Remove and replace existing basement level windows		27 No.	1,000.00	27,000
2	Extra over for laminate security glazing		32 m2	240.00	7,700
				Carried Forward :	34,700

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	EXTERIOR ENCLOSURE		Quantity	Unit rate	Amount
433	Windows & Entrances	(Continued)		Brought Forward :	34,700
3	Subcontractor general work				
	requirements		1 Sum	1,000.00	1,000
433	Windows & Entrances	TOTAL:\$	32 m2	1,115.63	35,700
\34	Roof Coverings				
1	Main entrance roof		220 m2	140.00	30,800
	- Remove existing paving stones, store for				
	reuse		140 m2	12.00	1,700
	 Remove existing concrete topping, 50mm and remove from site 		140 m2	25.00	3,500
	- Remove existing soil from planter, 600mm		140 1112	25.00	5,500
	(remove plantings)		72 m3	10.00	700
	- Remove concrete liner		80 m2	25.00	2,000
	- Remove waterproofing membrane and make				
	good existing concrete deck		220 m2	10.00	2,200
	 Install new waterproof roofing membrane 		220 m2	45.00	9,900
	 Install new concrete topping 		140 m2	27.00	3,800
	- Install new concrete liner		80 m2	34.00	2,700
	- Replace paving stones		140 m2	15.00	2,100
	- Replace existing soil		72 m3	30.00	2,200
2	First, second and fifth floor roof		2,043 m2	215.50	440,30
	- Remove existing roof covering c/w				
	insulation, protection board and all flashings		2,043 m2	25.00	51,100
	- Install new protection board		2,043 m2	9.00	18,400
	- Install new sheathing board, 6mm		2,043 m2	18.00	36,800
	- Install new vapour barrier		2,043 m2	5.00	10,200
	- Install new polyiso insulation, 100mm		2,043 m2	40.00	81,700
	- Install new sloped fibreboard		2,043 m2	20.00	40,900
	- Install new modified bitumen roofing				
	membrane		2,043 m2	65.00	132,800
	- Cant strip, allow		655 m	8.00	5,200
	- Flashings, allow		1 Sum	10,000.00	10,000
	- Pre-finished steel capping		591 m	90.00	53,200
3	Penthouse roof		379 m2	205.30	77,800
	- Remove existing roof covering c/w				
	insulation, protection board and all flashings		379 m2	20.00	7,600
	паэннуэ		319 III∠	ZV.UU	7,000
	-	(Continued)			

Carried Forward: 548,900



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АЗ Е	EXTERIOR ENCLOSURE		Quantity	Unit rate	Amount
A34	Roof Coverings	(Continued)		Brought Forward :	548,900
3	Penthouse roof				
		(Continued)			
	 Install new protection board 		379 m2	9.00	3,400
	 Install new sheathing board, 6mm 		379 m2	18.00	6,800
	 Install new vapour barrier 		379 m2	5.00	1,900
	- Install new polyiso insulation, 50mm		379 m2	30.00	11,400
	 Install new sloped fibreboard 		379 m2	20.00	7,600
	 Install new modified bitumen roofing 				
	membrane		379 m2	65.00	24,600
	- Cant strip, allow		160 m	8.00	1,300
	- Flashings, allow		1 Sum	2,000.00	2,000
	- Perimeter capping, allow		160 m	70.00	11,200
4	Subcontractor general work				
	requirements		1 Sum	16,500.00	16,500
A34	Roof Coverings	TOTAL:\$	9,573 m2	59.06	565,400
A35	Projections				
1	Modify existing front entrance canopy, replace existing signage		1 Sum	50,000.00	50,000
2	Modify/replace existing fall arrest roof anchors as required		56 No.	400.00	22,400
3	Add additional roof anchors to comply with current legislation		1 Sum	5,000.00	5,000
4	Remove existing penthouse access ladder replace after roofing installed		1 Sum	500.00	500
5	Subcontractor general work requirements		1 Sum	2,300.00	2,300

A35 Projections TOTAL:\$ 1 Sum 80,200.00 80,200



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B1 F	PARTITIONS & DOORS		Quantity	Unit rate	Amount
B11	Partitions				
1	New concrete block walls to basement		458 m2	160.00	73,300
2	Replace existing basement concrete block partitions where required, allow 15% of remaining walls		245 m2	160.00	39,200
3	New gypsum board partition walls to first and second floor, allow		2,150 m2	100.00	215,000
4	New gypsum board partition walls to third, fourth and fifth floors, allow		125 m2	100.00	12,500
5	EXtra over for moisture resistant gypsum board		498 m2	6.00	3,000
6	Allowance to make good gypsum board where required		575 m2	30.00	17,300
7	Extra over for greater STC rating where required		1,160 m2	60.00	69,600
8	Extra over for glazed partitions, allow 2% of new first and second floor		50 m2	450.00	22,500
9	Subcontractor general work requirements		1 Sum	13,600.00	13,600
B11	Partitions	TOTAL:\$	3,148 m2	148.03	466,000
312	Doors				
1	New doors to basement, allow		17 No.	1,600.00	27,200
2	New doors to basement holding cells, allow		3 No.	3,000.00	9,000
3	New overhead doors to basement - Exterior doors - Interior door		3 No. 2 No. 1 No.	12,000.00 12,000.00 12,000.00	36,000 24,000 12,000

Carried Forward :

72,200



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B1 F	PARTITIONS & DOORS		Quantity	Unit rate	Amount
B12	Doors	(Continued)		Brought Forward :	72,200
4	New doors to first and second floors, allow		150 Lvs	2,000.00	300,000
5	New doors to third, fourth and fifth floor		11 Lvs	2,000.00	22,000
6	Hardware upgrades - Card readers, allow - Power operated openers, allow		1 Sum 31 No. 25 No.	103,300.00 750.00 3.200.00	103,300 23,300 80,000
7	Subcontractor general work requirements		1 Sum	14,900.00	14,900

B12 Doors TOTAL:\$ 184 Lvs 2,784.78 512,400



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B2 FINISHES			Quantity	Unit rate	Amount
B21 Floor Finishes					
Allowance for finis base trim where re	hes to basement c/w equired		503 m2	65.00	32,700
2 Area of basement finishes	floor without new		2,139 m2	0.00	0
з Allowance for floor and second floor	finishes for first		3,901 m2	85.00	331,600
4 Area of second flo finishes	or without new		318 m2	0.00	0
5 Third, fourth and fi	fth floor finishes		815 m2	74.50	60,700
- Existing marble provide non-sleptovide non-slepto	e flooring treated to ip coating ring ing poring rim, measured linear are trim, measured linear without new e good terrazzo stairs oor office finihes ix C		186 m2 398 m2 168 m2 63 m2 504 m 96 m 697 m2 1 Sum 1 Nil	30.00 60.00 85.00 140.00 10.00 32.00 0.00 40,000.00	5,600 23,900 14,300 8,800 5,000 3,100 0 40,000
B21 Floor Finishes		TOTAL:\$	6,616 m2	72.39	478,900
B22 Ceiling Finishes					
Allowance for ceiling basement where realing	_		503 m2	65.00	32,700
2 Area of basement finishes	ceiling without new		2,139 m2	0.00	0
				Carried Forward :	32,700

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	FINISHES		Quantity	Unit rate	Amount
B22	Ceiling Finishes	(Continued)		Brought Forward :	32,700
3	Allowance for ceiling finishes to first and second floors		3,901 m2	75.00	292,600
4	Area of second floor ceiling without new finishes		318 m2	0.00	
5	Ceiling finishes to third floor		815 m2	87.00	70,90
	 Acoustic ceiling tile, 305mmx305mm c/w concealed suspension system Acoustic ceiling tile, 610mmx1220mm c/w 		351 m2	125.00	43,900
	standard T-bar suspension system		401 m2	50.00	20,100
	 Suspended gypsum board ceiling c/w metal framed joist system, painted 		63 m2	110.00	6,900
6	Area of third floor ceiling without new finishes		697 m2	0.00	
7	Allowance for specialty finishes		1 Sum	155,000.00	155,00
8	Fourth and Fifth Floor office finishes carried in Appendix C		1 Nil	0.00	
9	Subcontractor general work requirements		1 Sum	16,500.00	16,50
322	Ceiling Finishes	TOTAL:\$	6,616 m2	85.81	567,70
323	Wall Finishes				
1	Allowance for wall finishes to the basement		1,300 m2	2.50	3,30
2	Paint to walls at first and second floor		4,736 m2	10.00	47,40
	Paint to walls at third, fourth and fifth floors		1,001 m2	10.00	10,00
3					
	Ceramic tile to washrooms		447 m2	140.00	-
3	Ceramic tile to washrooms - First and second floor - Third, fourth and fifth floor		447 m2 198 m2 249 m2	140.00 140.00 140.00	62,600 27,700 34,900

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B2 FINISHES		Quantity	Unit rate	Amount
B23 Wall Finishes	(Continued)		Brought Forward :	123,300
5 Allowance for specialty finishes		1 Sum	135,000.00	135,000
6 Subcontractor general work requirements		1 Sum	7,700.00	7,700

B23 Wall Finishes TOTAL:\$ 7,484 m2 35.54 266,000



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B3 F	ITTINGS & EQUIPMENT		Quantity	Unit rate	Amount
B31	Fittings & Fixtures				
1	Millwork		1 Sum	686,400.00	686,400
	- Lunchroom kitchenettes		2 No.	3,500.00	7,000
	- Large court room millwork, allow		2 No.	150,000.00	300,000
	- Reg. court room millwork, allow		3 No.	100,000.00	300,000
	- Misc. millwork		6,616 m2	12.00	79,400
2	Rough carpentry		1 Sum	49,600.00	49,600
	 Misc. rough carpentry, blocking, etc. 		6,616 m2	5.00	33,100
	- Caulking and sealing, allow		6,616 m2	2.50	16,500
3	Miscellaneous metals		1 Sum	16,500.00	16,500
	- Misc. metal supports, brackets, etc.		6,616 m2	2.50	16,500
4	Washroom accessories		1 Sum	37,800.00	37,800
	- Public wasroom accessories, allow		6 No.	3,200.00	19,200
	- Universal washroom accessories, allow		14 No.	1,200.00	16,800
	- Janitoral accessories, allow		6 No.	300.00	1,800
5	Specialties		1 Sum	79,400.00	79,400
	- Allowance for misc. visual display			,	,
	specialties		6,616 m2	12.00	79,400
6	Interior signage		1 Sum	26,500.00	26,500
	- Allowance for interior signage and				
	wayfinding		6,616 m2	4.00	26,500
7	Subcontractor general work				
	requirements		1 Sum	26,800.00	26,800
31	Fittings & Fixtures	TOTAL:\$	6,616 m2	139.51	923,000
32	Equipment				
1	Systems furniture		1 Sum	0.00	(
	- Loose furniture, workstations, desks,				
	tables, seating, etc. (NIC)		1 Nil	0.00	0
	Window coverings		1 Sum	68,000.00	68,000
2	William coverings				

Carried Forward: 68,000

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B3 F	FITTINGS & EQUIPMENT		Quantity	Unit rate	Amount
B32	Equipment	(Continued)		Brought Forward :	68,000
3	Kitchen equipment - Kitchen equipment (NIC)		1 Sum 1 Nil	0.00 0.00	0
4	Security equipment, x-ray and metal detectors, allow		1 Sum	75,000.00	75,000
5	Subcontractor general work requirements		1 Sum	4,300.00	4,300
B32	Equipment	TOTAL:\$	9,573 m2	15.39	147,300
B33	Elevators				
1	Modernize existing elevators #1 and #2		2 No.	175,000.00	350,000
2	Modify existing travel for elevator #3, install new custom car		1 No.	190,000.00	190,000
3	New elevator #4, structural elements carried elsewhere		1 No.	225,000.00	225,000
4	Subcontractor general work requirements		1 Sum	23,000.00	23,000
B33	Elevators	TOTAL:\$	4 No.	197,000.00	788,000

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C1	MECHANICAL	Quantity	Unit rate	Amount
C11	Plumbing & Drainage			
1	Fixtures and rough-in	1 Sum	83,000.00	83,000
	- Water closet	37 No.	900.00	33,300
	- Urinal	7 No.	1,100.00	7,700
	- Lavatory	36 No.	800.00	28,800
	- Kitchen sink	2 No.	600.00	1,200
	- Wall mounted eye wash, allow	6 No.	750.00	4,500
	- Drinking fountain	5 No.	1,500.00	7,500
2	Domestic water	1 Sum	230,900.00	230,900
	- Connect to existing service in meter			
	room	1 Sum	1,000.00	1,000
	- New BFP	1 No.	3,500.00	3,500
	- New hot water heater	1 No.	7,500.00	7,500
	 New recirc, exp tank, mixing valve 	1 Sum	4,000.00	4,000
	- Domestic water pipe	1 Sum	95,000.00	95,000
	- Thermal pipe insulation	1 Sum	32,000.00	32,000
	- Fixture rough-in	93 No.	300.00	27,900
	- Core drill & patch	200 No.	200.00	40,000
	- Irrigation connection - allow	1 Sum	20,000.00	20,000
3	Sanitary waste and vents	1 Sum	217,400.00	217,400
	 Connect to existing service - split from 			
	storm	1 Sum	2,500.00	2,500
	- Sanitary drain and vents - below grade	1 Sum	15,000.00	15,000
	- Sanitary drain and vents - above grade	1 Sum	112,000.00	112,000
	- Excavation and backfill	1 Sum	7,500.00	7,500
	- Concrete cut and patch - slab	1 Sum	10,000.00	10,000
	- Core drill and patch	120 No.	200.00	24,000
	- New duplex sanitary pit	1 Sum	7,500.00	7,500
	- Fixture rough-in	93 No.	300.00	27,900
	- Floor drain	44 No.	250.00	11,000
4	Storm drain	1 Sum	97,400.00	97,400
	 New incoming storm drain from street 	1 Sum	30,000.00	30,000
	- Storm drain - above grade	1 Sum	40,000.00	40,000
	- Excavation and backfill	1 sum	1,500.00	1,500
	- Concrete cut and patch - slab	1 Sum	3,500.00	3,500
	- Core drill and patch	40 No.	200.00	8,000
	- New duplex weeper pit	1 Sum	7,500.00	7,500
	- Roof drain	14 No.	350.00	4,900
	- Area drain	4 No.	500.00	2,000

Carried Forward: 628,700



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C1 I	MECHANICAL		Quantity	Unit rate	Amount
C11	Plumbing & Drainage	(Continued)		Brought Forward :	628,700
5	Subcontractor general work requirements		1 Sum	18,900.00	18,900
C11	Plumbing & Drainage	TOTAL:\$	9,573 m2	67.65	647,600
C12	Fire Protection				
1	Fire extinguisher		1 Sum	3,000.00	3,000
	- Wall mounted FE		12 No.	250.00	3,000
2	Sprinklers		1 Sum	437,500.00	437,500
	- New 8" incoming services from street		1 Sum	20,000.00	20,000
	 New 8" main through parking - traced/insulated 		1 Sum	25,000.00	25,000
	- New BFP		1 Sum	10,000.00	10,000
	- New booster pump		1 Sum	75,000.00	75,000
	- Upgrade dry system compressor and			,	•
	controls		1 Sum	7,500.00	7,500
	- New sprinkler system		1,200 head	250.00	300,000
3	Fire standpipe		1 Sum	0.00	(
	- No work required		1 Nil	0.00	0
4	Subcontractor general work				
	requirements		1 Sum	13,200.00	13,200
212	Fire Protection	TOTAL:\$	9,573 m2	47.39	453,700
213	HVAC				
1	Cooling VRF		1 Sum	72,500.00	72,500
	- Selector module		2 No.	2,000.00	4,000
	- Condenser, 24 tons total		2 No.	12,500.00	25,000
	- Dx pipe		1 Sum	15,000.00	15,000
	- Sleeving and firestopping		1 Sum	2,500.00	2,500
	- Commissioning		1 Sum 12 No.	2,000.00	2,000
	 Fan coil unit, 24 tons total 		40 NI-	2,000.00	24,000

Carried Forward: 72,500



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C1 N	MECHANICAL		Quantity	Unit rate	Amount
C13	HVAC	(Continued)		Brought Forward :	72,500
2	Air distribution		1 Sum	827,200.00	827,200
	- Galvanized ductwork, mains		8,500 kg	17.00	144,500
	- Thermal insulation, mains		700 m2	35.00	24,500
	- Thermal insulation, repairs		1,275 m2	35.00	44,600
	- Galvanized ductwork, boxes		6,800 kg	17.00	115,600
	- Thermal insulation, boxes		1,275 m2	35.00	44,600
	- Acoustic insulation, boxes		425 m2	55.00	23,400
	- Galvanized ductwork, VRF		4,000 kg	17.00	68,000
	- Thermal insulation, VRF		800 m2	35.00	28,000
	- Dual duct box		80 No.	2,500.00	200,000
	- Lay-in diffuser		380 No.	250.00	95,000
	- Return grill		260 No.	150.00	39,000
3	Balancing and commissioning		1 Sum	16,000.00	16,000
_	- Air balancing		1 Sum	16,000.00	16,000
4	Miscellaneous		1 Sum	82,000.00	82,000
	- IT room A/C		9 No.	3,500.00	31,500
	- Electrical room A/C		9 No.	4,500.00	40,500
	- Snow melt system		1 Sum	10,000.00	10,000
5	Subcontractor general work requirements		1 Sum	29,900.00	29,900
C13	HVAC	TOTAL:\$	9,573 m2	107.34	1,027,600
C14	Controls				
1	Controls		1 Sum	254,000.00	254,000
	- Dual duct box		80 No.	1,500.00	120,000
	- IT and electrical room A/C		5 No.	2,500.00	12,500
	- VRF fan coils		12 No.	2,000.00	24,000
	- BAS/software, new system		1 Sum	35,000.00	35,000
	- New perimeter controls		30 No.	2,000.00	60,000
	- Snow melt system		1 Sum	2,500.00	2,500
2	Subcontractor general work requirements		1 Sum	7,600.00	7,600
C14	Controls	TOTAL:\$	9,573 m2	27.33	261,600

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C2	ELECTRICAL		Quantity	Unit rate	Amount
C21	Service & Distribution				
1	Scope of work associated with the Hamilton Utility Corporation (HUC) project (Not included in this project / estimate) - New incoming electrical service from		1 Nil	0.00	0
	Horizon Utilities c/w main service switchboard		1 Nil	0.00	0
	 New standby / emergency power plant (i.e. new generator) 		1 Nil	0.00	0
	Replacement of basement normal power distribution system Parlacement of standby payer.		1 Nil	0.00	0
	 Replacement of standby power distribution panels & ATS located in Level 6 mechanical penthouse Wiring and connections for related 		1 Nil	0.00	O
	mechanical equipment related to HUC project		1 Nil	0.00	0
2	347/600V normal power lighting panel		7 No.	5,000.00	35,000
3	120/208V normal power lighting/receptacle panel		17 No.	4,000.00	68,000
4	120/208V standby power lighting/receptacle panel		2 No.	4,000.00	8,000
5	120/208V emergency power lighting/receptacle panel		3 No.	4,000.00	12,000
6	Feeders - To lighting panels (allow) - To lighting / receptacle panels (allow)		1 Sum 260 m 500 m	121,600.00 160.00 160.00	121,600 41,600 80,000
7	Provide new electric heating and freezing protection system		1 Sum	12,500.00	12,500
8	Miscellaneous service & distribution to serve renovated areas c/w metering, feeders, disconnects, studies &				
	commissioning		6,616 m2	5.00	33,100
9	Seismic restaint system incl. in rates		1 Nil	0.00	0
10	Subcontractor general work requirements		1 Sum	8,700.00	8,700
C21	Service & Distribution	TOTAL:\$	9,573 m2	31.22	298,900

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C2	ELECTRICAL		Quantity	Unit rate	Amount
C22	Lighting, Devices & Heating				
1	Lighting fixtures supplied, wired & installed		1 Sum	758,300.00	758,300
	- Supply & install new LED lighting to renovated area c/w branch wiring		6,616 m2	110.00	727,800
	 Supply & install new LED lighting to shelled area o/w branch wiring 		1,015 m2	30.00	30,500
2	Heritage designated lighting, selection / identification of specific luminaires that will be "heritage"		4.0	05.000.00	05.000
	designated is currently under review - Existing Heritage designated lighting, allow for modifications to lobby		1 Sum	35,000.00	35,000
	lighting		7 No.	5,000.00	35,000
3	Lighting control		1 Sum	102,200.00	102,200
	 Lighting control c/w new low voltage control system, sensors, dimming, wiring & integration Lighting control to shelled areas 		6,616 m2 1,015 m2	15.00 3.00	99,200 3,000
4	Exit & emergency lighting c/w LED				
	"green running man" pictogram		1 Sum	23,500.00	23,500
	- New exit sign		48 No.	450.00	21,600
	- New battery unit		2 No.	950.00	1,900
5	Power outlets, devices & connections - Provide power outlets, devices & direct		1 Sum	267,600.00	267,600
	connections to renovated areas c/w branch wiring		6,616 m2	40.00	264,600
	 Provide power outlets, devices & direct connections to shelled areas c/w branch wiring 		1,015 m2	3.00	3,000
6	Mechanical motor connections		1 Sum	56,300.00	56,300
	 Provide mechanical motor & equipment power connections to renovated areas 		6,616 m2	7.00	46,300
	Provide mechanical motor & equipment power connections to shelled areas Outside mercal and fire rotated for the decade.		1,015 m2	2.50	2,500
	 Provide normal and fire rated feeders to fire pump (controller supplied by others) 		1 Sum	7,500.00	7,500
7	Subcontractor general work requirements		1 Sum	37,300.00	37,300
C22	Lighting, Devices & Heating	TOTAL:\$	9,573 m2	133.73	1,280,200



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C2 E	ELECTRICAL	Quantity	Unit rate	Amount
C23	Systems & Ancillaries			
1	Fire alarm system	1 Sum	180,600.00	180,600
	 Main FA control panel, existing to remain, allow for programming Additions & modifications to fire alarm 	1 Sum	5,000.00	5,000
	system c/w devices, wiring, testing & verification - Additions & modifications to fire alarm	6,616 m2	25.00	165,400
	system c/w devices, wiring, testing & verification, shelled	1,015 m2	10.00	10,200
2	Communications empty conduit system - Provide communications empty conduit system c/w boxes, conduit stubs, cable	1 Sum	60,500.00	60,500
	tray & firestopping - Provide communications empty conduit	6,616 m2	9.00	59,500
	system c/w boxes, conduit stubs, cable tray & firestopping	1,015 m2	1.00	1,000
3	Communication cabling	1 Sum	181,900.00	181,900
	 Provide communication cabling c/w horizontal Cat.6A drops, backbone cabling & wire management, reno 	6,616 m2	27.50	181,900
4	Synchronized clocks	1 Sum	18,500.00	18,500
	 Relocate existing syncronized clock master control panel 	1 Sum	2,000.00	2,000
	 Relocate / add synchronized clocks connect to relocated master control panel 	6,616 m2	2.50	16,500
5	Emergency call system	1 Sum	6,000.00	6,000
	 Provide emergency call system to BF public washrooms annunciated to new annunciator 	2 No.	3,000.00	6,000
6	Security / CCTV systems	1 Sum	316,000.00	316,000
	 Provide empty conduit infrastructure for security / CCTV systems 	6,616 m2	7.00	46,300
	 Supply install of security / CCTV systems to renovated areas 	6,616 m2	40.00	264,600
	 Supply install of security / CCTV systems to shelled areas 	1,015 m2	5.00	5,100

Carried Forward :

763,500



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C2	ELECTRICAL		Quantity	Unit rate	Amount
C23	Systems & Ancillaries	(Continued)		Brought Forward :	763,500
7	Audio / Visual systems including sound reinforcement, PA/paging, simulataneous intepretation, assistive listeneing, video conferencing/information, audio recording, 'court in session' lighting		1 Sum	424 200 00	424 200
	CATV Provide empty conduit infrastructure for		6,616 m2	421,200.00 15.00	421,200 99,200
	AV systemsSupply install of AV systems (Nova Techne Ltd. budget dated 21/05/2015)		6,616 M2	322,000.00	322,000
8	Subcontractor general work requirements		1 Sum	35,500,00	35,500

C23 Systems & Ancillaries TOTAL:\$

9,573 m2

127.46

1,220,200



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D1 S	SITE WORK		Quantity	Unit rate	Amount
D11	Site Development				
1	Restoration of limestone planters, repoint mortar and repair spalled and broken stone, allow 50% of wall		30 m2	600.00	18,000
2	Restroration of retaining wall as above		30 m2	600.00	18,000
3	Restore pavers at entrance		460 m2	240.00	110,400
4	Repair and make good all stairs		5 No.	7,500.00	37,500
5	Remove and replace barrier free access ramp		1 Sum	55,000.00	55,000
6	Remove and replace all interlocking stone walkways		520 m2	160.00	83,200
7	Allowance to patch and make good landscaping damaged by construction		1 Sum	20,000.00	20,000
8	Restoration of existing bronze statue (NIC)		1 Nil	0.00	0
9	Subcontractor general work requirements		1 Sum	10,300.00	10,300
D11	Site Development	TOTAL:\$	1 Sum	352,400.00	352,400
D13	Electrical Site Services				
1	New exterior pole-mounted light fixture, allow		10 No.	6,500.00	65,000
2	Remove and reinstall lighting to cladding		1 Sum	2,500.00	2,500
3	Subcontractor general work requirements		1 Sum	2,000.00	2,000
D13	Electrical Site Services	TOTAL:\$	1 Sum	69,500.00	69,500
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D2 <i>A</i>	ANCILLARY WORK		Quantity	Unit rate	Amount
021	Demolitions				
1	Allowance for selective interior demolition of entire building (portions of basement and parking are not included)		7,831 m2	80.00	626,500
2	Allowance for hazardous material abatement		7,831 m2	165.00	1,292,100
3	Allowance for protection of heritage finishes		1 Sum	120,000.00	120,000
4	Subcontractor general work requirements		1 Sum	61,100.00	61,100
D21	Demolitions	TOTAL:\$	9,573 m2	219.34	2,099,700
D22	Alterations				
1	Allowance to remove existing stair #6 and infill slab		1 Sum	35,000.00	35,000
2	Allowance to infill floors 3, 4 and 5		1 Sum	45,000.00	45,000
3	Allowance to modify fourth floor structure to support relocated high density storage		1 Sum	25,000.00	25,000
4	Allowance to create foundations, pit and shaft for new secure elevator #4		1 Sum	108,100.00	108,100
	- Create opening in basement slab on grade, approx. 3m x 6m		18 m2	75.00	1,400
	 Excavate for elevator pit, 1550mm deep + foundations, remove excavated material from site Create opening in first floor suspended 		40 m3	125.00	5,000
	slab, approx. 3m x 6m, shoring perimeter of opening		18 m2	130.00	2,300
	 Modify existing steel structure to support new opening (remove existing W16x40 beam) 		1 Sum	15,000.00	15,000
	- Concrete footing, allow		1 Sum	6,200.00	6,200
	- Concrete elevator pit walls, 200mm thick	(Continued)	28 m2	385.00	10,800

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D2 A	ANCILLARY WORK		Quantity	Unit rate	Amount
D22	Alterations	(Continued)		Brought Forward :	213,100
4	Allowance to create foundations, pit and shaft for new secure elevator #4				
		(Continued)			
	 Concrete elevator shaft walls, 200mm thick to u/s of second floor 		162 m2	385.00	62,400
	 Allowance for misc, modifications to services that my be required 		1 Sum	5,000.00	5,000
5	Allowance for fire proofing to structural steel (excludes roof areas)		8,243 m2	60.00	494,600
6	Allowance for restoration of marble floor where required		1 Sum	100,000.00	100,000
7	Subcontractor general work requirements		1 Sum	24,200.00	24,200

D22 Alterations TOTAL:\$ 9,573 m2 86.90 831,900



Appendix A
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PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION
HAMILTON, ONTARIO

Appendix B - AHU Replacement

Appendix A

Project : PROVINCIAL OFFENCES ADMIN. OFFICES

: AHU REPLACEMENT

Location : HAMILTON, ON : CITY OF HAMILTON Owner

ELEMENTAL COST SUMMARY

Page 34Bof 53 Bldg Type : 310

C.T. Index : 0.0

Owner : CITY OF HAMILTO Consultant : INVIZIJ ARCHITE		VG ARCHITECTS				C.T. Index : GFA :	0.0 9,537 m	2
	Ratio	Element	al Cost	Elemental	Amount	Rate pe	er m2	0/
Element	to GFA	Quantity	Unit rate	Sub-Total	Total	Sub-Total	Total	%
A SHELL		9,537 m2			0		0.00	0.0
A1 SUBSTRUCTURE					0		0.00	0.0
A11 Foundations				0		0.00		
A12 Basement Excavation				0		0.00		
A13 Special Conditions				0		0.00		
A2 STRUCTURE A21 Lowest Floor Construction				0	0	0.00	0.00	0.0
A22 Upper Floor Construction				0		0.00		
A23 Roof Construction				ŏ		0.00		
A3 EXTERIOR ENCLOSURE				U	0	0.00	0.00	0.0
A31 Walle Below Grade				0	J	0.00	0.00	0.0
A32 Walls Above Grade				o		0.00		
A33 Windows & Entrances				0		0.00		
A34 Roof Coverings				0		0.00		
A35 Projections				0		0.00		
B INTERIORS		9,537 m2			0		0.00	0.0
B1 PARTITIONS & DOORS					0		0.00	0.0
B11 Partitions				0		0.00		
B12 Doors				0		0.00		
B2 FINISHES					0		0.00	0.0
B21 Floor Finishes				0		0.00		
B22 Ceiling Finishes				0		0.00		
B23 Wall Finishes				0		0.00		
B3 FITTINGS & EQUIPMENT					0		0.00	0.0
B31 Fittings & Fixtures	1.000	9,537 m2	0.00	0		0.00		
B32 Equipment	1.000	9,537 m2	0.00	0		0.00		
B33 Elevators				0		0.00		
B34 Escalators C SERVICES		0.5070		0	723,300	0.00	75.84	89.1
		9,537 m2			,			
C1 MECHANICAL	1 000	0.5070	0.00	0	703,200	0.00	73.73	86.6
C11 Plumbing & Drainage C12 Fire Protection	1.000	9,537 m2 9,537 m2	0.00	0		0.00		
C12 Fire Protection	1.000	9,537 m2 9,537 m2	68.93	657,400		68.93		
C14 Controls	1.000	9,537 m2	4.80	45,800		4.80		
C2 ELECTRICAL	1.000	0,001 1112	1.00	10,000	20,100	1.00	2.11	2.5
C21 Service & Distribution	1.000	9,537 m2	0.81	7,700	20,.00	0.81		
C22 Lighting, Devices & Heating		9,537 m2	1.30	12,400		1.30		
C23 Systems & Ancillaries	1.000	9,537 m2	0.00	Ó		0.00		
NET BUILDING COS	T - EXCI	LUDING SITE		\$	723,300		75.84	89.1
D SITE & ANCILLARY WORK		9,537 m2			28,200		2.96	3.5
D1 SITE WORK		,			0		0.00	0.0
D11 Site Development				0		0.00	0.00	0.0
D12 Mechanical Site Services				ō		0.00		
D13 Electrical Site Services				0		0.00		
D2 ANCILLARY WORK					28,200		2.96	3.5
D21 Demolitions				0	·	0.00		
D22 Alterations	0.000	1 Sum	28,200.00	28,200		2.96		
NET BUILDING COS	T - INCL	UDING SITE		\$	751,500		78.80	92.6
Z1 GENERAL REQUIREMENTS & F	EE				60,100		6.30	7.4
Z11 General Requirements		8.0 %		60,100		6.30		
Z12 Fee		0.0 %		0		0.00		
TOTAL CONSTRUCT	ION EST	IMATE - EXCLUDIN	IG ALLOWANCE	S \$	811,600		85.10	100.0
Z2 ALLOWANCES					103,500		10.85	
Z21 Design & Pricing Allowance		10.0 %		81,200		8.51		
Z22 Escalation Allowance (12 mg	os.)	2.5 %		22,300		2.34		
Z23 Construction Allowance		0.0 %		0		0.00		
TOTAL CONSTRUCT		IMATE - INCLUDIN	G ALLOWANCE	S \$	915,100		95.95	
_ VALUE ADDED TAX (GST/HST)		_			0		0.00	
Value Added Tax (GST/HST)		0.0 %		0		0.00		
TOTAL CONSTRUCT	ION EST	IMATE		\$	915,100	\$	95.95	
· · · · · · · · · · · · · · · · · · ·		·					· · · · · · · · · · · · · · · · · · ·	

PROVINCIAL OFFENCES ADMIN. OFFICES AHU REPLACEMENT HAMILTON, ON

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- C I I	MECHANICAL		Quantity	Unit rate	Amount
C13	HVAC				
1	Air handling unit, SF-1		1 Sum	176,000.00	176,000
	 Air handling unit SF-1, 44000 cfm cold deck supply, includes items below: 		1 Sum	176,000.00	176,000
	- 100% outside air inlet		7 04111	incl.	170,000
	- Pre-filter			incl.	
	- Motor with VFD			incl.	
	- Final filter			incl.	
	- Outlet silencer			incl.	
	- Service fan, bearins, shaft, wheel, etc.			incl.	
2	Air handling unit, SF-2		1 Sum	68,000.00	68,000
	- Air handling unit SF-2, 17000 cfm cold		4.0		
	deck supply, includes items below:		1 Sum	68,000.00	68,000
	- 100% outside air inlet			incl.	
	- Pre-filter			incl.	
	- Motor with VFD			incl.	
	- Final filter			incl.	
	- Outlet silencer			incl.	
	- Service fan, bearins, shaft, wheel, etc.			incl.	
3	Humidifier to hot deck		1 Sum	45,000.00	45,000
	 Humidifier to hot deck c/w natural gas, water and drains 		1 Sum	25,000.00	25,000
	- Extend gas service to penthouse		1 Sum	20,000.00	20,000
			_		
4	Return air fan, RF-1		1 Sum	66,000.00	66,000
	 General return fan, 44000 cfm, refurbish with the following: 		1 Sum	66,000.00	66,000
	- Motor with VFD		1 Julii	incl.	00,000
	- Service fan, bearings, shaft, wheel,			11101.	
	etc.			incl.	
_	Poturn oir fon EE 1		1 Cum	14 200 00	14 200
5	Return air fan, EF-1		1 Sum	14,300.00	14,300
	 Sanitary exhaust fan, 9500 cfm, refurbish with the following: 		1 Sum	14,300.00	14,300
	- Motor with VFD		1 Suili	incl.	14,500
				IIICI.	
	 Service fan, bearings, shaft, wheel, etc. 			incl.	
	Deturn sixton CE O		4 0	40,000,00	40.000
6	Return air fan, EF-2		1 Sum	12,000.00	12,000
	- Garage exhaust fan, 8000 cfm, refurbish		1 Cum	12,000,00	10.000
	with the following:		1 Sum	12,000.00	12,000
	- Motor with VFD	(Continued)		incl.	
		•			
				Carried Forward :	381,300

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PROVINCIAL OFFENCES ADMIN. OFFICES AHU REPLACEMENT HAMILTON, ON

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C1 N	1ECHANICAL		Quantity	Unit rate	Amount
C13	HVAC	(Continued)		Brought Forward :	381,300
6	Return air fan, EF-2				
		(Continued)			
	 Service fan, bearings, shaft, wheel, etc. 			incl.	
7	Air distribution		9,537 m2	12.70	121,000
	- Galvanized ductwork		3,000 kg	17.00	51,000
	- Thermal insulation		500 m2	35.00	17,500
	- New louvre		5 No.	7,500.00	37,500
	- Demolition		1 Sum	15,000.00	15,000
8	Balancing and commissioning		9,537 m2	1.00	10,000
	- Air balancing units		1 Sum	10,000.00	10,000
	- Air balancing to individual floors				
	carried in Appendix H, I and J		1 Nil	0.00	0
9	Miscellaneous		9,537 m2	13.20	126,00
	- Mechanical room exhaust, 2000 cfm		1 No.	5,000.00	5,000
	- Electrical room exhaust, 2000 cfm		1 No.	5,000.00	5,000
	- Penthouse mech. room exhaust, 2000 ofm		1 No.	5,000.00	5,000
	- Elevator room A/C, 1 ton VFR		1 No.	6,000.00	6,000
	- Garage NOx detection		1 Sum	25,000.00	25,000
	- Garage intake louvre and damper		1 Sum	10,000.00	10,000
	- VFD's		5 No.	5,000.00	25,000
	- Mechanical wiring		1 Sum	10,000.00	10,000
	Vibration control equipment, allow		1 Sum	15,000.00	15,000
	- Seismic restaint system		1 Sum	20,000.00	20,000
10	Subcontractor general work				
	requirements		1 Sum	19,100.00	19,10
D13	HVAC	TOTAL:\$	9,537 m2	68.93	657,400
D14	Controls				
1	Controls		1 Sum	44,500.00	44,50
	- Controls to new AHU's		2 No.	7,500.00	15,000
	- Return fans		1 No.	2,500.00	2,500
	- Exhaust fans		2 No.	2,500.00	5,000
	- Humidifier		1 No.	2,000.00	2,000
	- BAS/software and programming		1 Sum	20,000.00	20,000
				Carried Forward :	44,500

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C1 MECHANICAL		Quantity	Unit rate	Amount
C14 Controls	(Continued)		Brought Forward :	44,500
2 Subcontractor general work requirements		1 Sum	1,300.00	1,300

C14 Controls TOTAL:\$ 9,537 m2 4.80 45,800



PROVINCIAL OFFENCES ADMIN. OFFICES AHU REPLACEMENT HAMILTON, ON

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C2 E	ELECTRICAL		Quantity	Unit rate	Amount
C21	Service & Distribution				
1	Provide new overcurrent protective devices to new motors		1 Sum	7,500.00	7,500
2	Subcontractor general work requirements		1 Sum	200.00	200
C21	Service & Distribution	TOTAL:\$	9,537 m2	0.81	7,700
C22	Lighting, Devices & Heating				
1	Mechanical motor connections		1 Sum	12,000.00	12,000
	- Provide feeders to new AHU		2 No.	3,000.00	6,000
	 Provide feeders to new EF 		2 No.	1,500.00	3,000
	 Provide feeders to new RF 		1 No.	3,000.00	3,000
	 Seismic restaint system incl. in rates above 		1 Nil	0.00	0
2	Subcontractor general work requirements		1 Sum	400.00	400
C22	Lighting, Devices & Heating	TOTAL:\$	9,537 m2	1.30	12,400

PROVINCIAL OFFENCES ADMIN. OFFICES AHU REPLACEMENT HAMILTON, ON

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D2 ANCILLARY WORK	Quantity	Unit rate	Amount
D22 Alterations			
Modifications to existing penthouse roof	1 Sum	27,400.00	27,400
 Removal and replacement of penthouse roof covering carried in Appendix A 	1 Nil	0.00	0
 Remove existing metal roof deck to allow for replacement of AHU's, 2 openings 	750 SF	5.00	3,800
- Remove existing structural joist, W16x36	2 No.	2,000.00	4,000
- Make good/modify equipment pads	1 Sum	4,500.00	4,500
- Reinstall structural steel joist c/w connections	1,872 lbs	2.50	4,700
 Replace metal roof deck, allow 20% overlap c/w ancillary connections required 	900 SF	6.00	5,400
 Temporary weather protection, safety measures and hoarding 	1 Sum	5,000.00	5,000
2 Subcontractor general work			
requirements	1 Sum	800.00	800

D22 Alterations TOTAL:\$ 1 Sum 28,200.00 28,200



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PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION
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Appendix C - Floors 4 and 5 Office Fit-out

Appendix A

Project : PROVINCIAL OFFENCES ADMIN. OFFICES

: FIT-OUT OF FOURTH & FIFTH FLOOR OFFICES

: HAMILTON, ON ELEMENTAL COST SUMMARY

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Bldg Type : 310 C.T. Index : 0.0

Owner : CITY OF HAMILTON
Consultant : INVIZIJ ARCHITECTS & +VG ARCHITECTS

Location

GFA : 1,164 m2

Consultant : INVIZIJ ARCHITE	CTS & +\	VG ARCHITECTS				≩FA :	1,164 m	12
Flamout	Ratio	Element	al Cost	Elementa	l Amount	Rate pe	er m2	0/
Element	to GFA	Quantity	Unit rate	Sub-Total	Total	Sub-Total	Total	%
A SHELL		1,164 m2			0		0.00	0.0
A1 SUBSTRUCTURE					0		0.00	0.0
A11 Foundations				0		0.00		
A12 Basement Excavation				0		0.00		
A13 Special Conditions			-	0		0.00		
A2 STRUCTURE					0		0.00	0.0
A21 Lowest Floor Construction				0		0.00		
A22 Upper Floor Construction				0		0.00		
A23 Roof Construction				0		0.00		
A3 EXTERIOR ENCLOSURE				_	0		0.00	0.0
A31 Walle Below Grade				0		0.00		
A32 Walls Above Grade				0		0.00		
A33 Windows & Entrances				0		0.00		
A34 Roof Coverings				0		0.00		
A35 Projections		1 1010		0	470.000	0.00	100.05	00.4
B INTERIORS		1,164 m2			470,200		403.95	38.1
B1 PARTITIONS & DOORS					245,200	-	210.65	19.8
B11 Partitions	1.009	1,175 m2	121.11	142,300		122.25		
B12 Doors	0.034	39 Lvs	2,638.46	102,900		88.40		
B2 FINISHES					161,700		138.92	13.1
B21 Floor Finishes	1.000	1,164 m2	65.46	76,200		65.46		
B22 Ceiling Finishes	1.000	1,164 m2	51.46	59,900		51.46		
B23 Wall Finishes	2.139	2,490 m2	10.28	25,600		21.99		
B3 FITTINGS & EQUIPMENT	4 000				63,300	27.00	54.38	5.1
B31 Fittings & Fixtures	1.000	1,164 m2	27.66	32,200		27.66		
B32 Equipment	1.000	1,164 m2	26.72	31,100		26.72		
B33 Elevators				0 0		0.00		
B34 Escalators		1.1010		U	074 400	0.00	E70.10	F4.0
C SERVICES		1,164 m2			674,100	-	579.12	54.6
C1 MECHANICAL	4 000	4 404 0	- 44	0.000	256,600	- 44	220.45	20.8
C11 Plumbing & Drainage	1.000	1,164 m2	5.41	6,300		5.41		
C12 Fire Protection	1.000	1,164 m2	0.00	0		0.00		
C13 HVAC C14 Controls	1.000	1,164 m2	132.30	154,000		132.30		
	1.000	1,164 m2	82.73	96,300	447.500	82.73	050.00	20.0
C2 ELECTRICAL C21 Service & Distribution	1.000	1,164 m2	5.15	6,000	417,500	5.15	358.68	33.8
C22 Lighting, Devices & Heating		1,164 m2	201.12	234,100		201.12		
C23 Systems & Ancillaries	1.000	1,164 m2	152.41	177,400		152.41		
			102.41		1 1 1 1 1 200	102.41	000.00	00.0
NET BUILDING COS	I - EXCL			\$	1,144,300		983.08	92.6
D SITE & ANCILLARY WORK		1,164 m2			0		0.00	0.0
D1_SITE WORK					0		0.00	0.0
D11 Site Development				0		0.00		
D12 Mechanical Site Services				0		0.00		
D13 Electrical Site Services				0		0.00		
D2 ANCILLARY WORK	4 000	4 404 0		•	0		0.00	0.0
D21 Demolitions	1.000	1,164 m2	0.00	0		0.00		
D22 Alterations	1.000	1,164 m2	0.00	0		0.00		
NET BUILDING COS		UDING SITE		\$	1,144,300		983.08	92.6
Z1 GENERAL REQUIREMENTS & F	-EE				91,500		78.61	7.4
Z11 General Requirements		8.0 %		91,500		78.61		
Z12 Fee		0.0 %		0		0.00		
TOTAL CONSTRUCT	ION EST	IMATE - EXCLUDIN	IG ALLOWANCE	S \$	1,235,800		1,061.68	100.0
Z2 ALLOWANCES					157,600		135.40	
Z21 Design & Pricing Allowance		10.0 %		123,600		106.19		
Z22 Escalation Allowance (12 mo	os.)	2.5 %		34,000		29.21		
Z23 Construction Allowance		0.0 %		0		0.00		
TOTAL CONSTRUCT	ION EST	IMATE - INCLUDIN	G ALLOWANCE	s \$	1,393,400		1,197.08	
_ VALUE ADDED TAX (GST/HST)					0		0.00	
	<u> </u>	0.0 %		0		0.00		
TOTAL CONSTRUCT				\$	1,393,400	\$	1,197.08	
				_	.,,	T	.,	

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DI F	ARTITIONS & DOORS		Quantity	Unit rate	Amount
B11	Partitions				
1	Gypsum board partitions to u/s of structure above c/w sound attenuation insulation		1,175 m2	100.00	117,500
	in calation		1,170 1112	100.00	117,000
2	Allowance to make good gypsum board where required		588 m2	30.00	17,600
3	Extra over for glazed transom above offices		66 m2	45.00	3,000
4	Subcontractor general work requirements		1 Sum	4,200.00	4,200
	Partitions	TOTAL:\$	1 175 m2	121.11	140.000
B11	Partitions	IOIAL: 5	1,175 m2	121.11	142,300
	Doors	TOTAL: 5	1,175 1112	121.11	142,300
B12	Doors	TOTAL.	1,175 1112	121.11	142,300
		TOTAL . \$	31 Lvs	2,287.10	70,900
B12	Doors Interior wood door c/w frame and	TOTAL . \$			
B12	Doors Interior wood door c/w frame and hardware	TOTAL.	31 Lvs	2,287.10	70,900
B12	Doors Interior wood door c/w frame and hardware - Single door	TOTAL . \$	31 Lvs 31 Lvs	2,287.10 1,800.00	70,900 55,800
B12	Doors Interior wood door c/w frame and hardware - Single door - Extra over for glazed sidelight	TOTAL . \$	31 Lvs 31 Lvs 26 No.	2,287.10 1,800.00 500.00	70,900 55,800 13,000
B12	Doors Interior wood door c/w frame and hardware - Single door - Extra over for glazed sidelight - Extra over for glazed vision panel	TOTAL.	31 Lvs 31 Lvs 26 No.	2,287.10 1,800.00 500.00	70,900 55,800 13,000 2,100
B12	Doors Interior wood door c/w frame and hardware - Single door - Extra over for glazed sidelight - Extra over for glazed vision panel Hollow metal door c/w frame and	TOTAL.	31 LVS 31 Lvs 26 No. 7 No.	2,287.10 1,800.00 500.00 300.00	70,900 55,800 13,000 2,100
B12	Doors Interior wood door c/w frame and hardware - Single door - Extra over for glazed sidelight - Extra over for glazed vision panel Hollow metal door c/w frame and hardware	TOTAL.	31 Lvs 31 Lvs 26 No. 7 No. 8 Lvs	2,287.10 1,800.00 500.00 300.00	70,900 55,800 13,000 2,100
B12 1	Doors Interior wood door c/w frame and hardware - Single door - Extra over for glazed sidelight - Extra over for glazed vision panel Hollow metal door c/w frame and hardware - Double door	TOTAL.	31 Lvs 31 Lvs 26 No. 7 No. 8 Lvs 4 Pair	2,287.10 1,800.00 500.00 300.00 1,750.00 3,500.00	70,900 55,800 13,000 2,100 14,000
B12	Doors Interior wood door c/w frame and hardware - Single door - Extra over for glazed sidelight - Extra over for glazed vision panel Hollow metal door c/w frame and hardware - Double door Hardware upgrades	TOTAL.	31 Lvs 31 Lvs 26 No. 7 No. 8 Lvs 4 Pair 1 Sum	2,287.10 1,800.00 500.00 300.00 1,750.00 3,500.00 15,000.00	70,900 55,800 13,000 2,100 14,000 15,000
B12 1	Doors Interior wood door c/w frame and hardware - Single door - Extra over for glazed sidelight - Extra over for glazed vision panel Hollow metal door c/w frame and hardware - Double door Hardware upgrades - Card readers, allow to corridor doors	TOTAL.	31 Lvs 31 Lvs 26 No. 7 No. 8 Lvs 4 Pair 1 Sum 16 No.	2,287.10 1,800.00 500.00 300.00 1,750.00 3,500.00 15,000.00 750.00	70,900 55,800 13,000 2,100 14,000 15,000

B12 Doors TOTAL:\$ 39 Lvs 2,638.46 102,900



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B2 F	FINISHES		Quantity	Unit rate	Amount
B21	Floor Finishes				
1	Carpet tile flooring		1,164 m2	60.00	69,800
2	Base trim (measured linear)		968 m	4.30	4,200
	- Rubber base trim		910 m	4.00	3,600
	- Marble base trim, replace with existing		58 m	10.00	600
3	Subcontractor general work				
	requirements		1 Sum	2,200.00	2,200
B21	Floor Finishes	TOTAL:\$	1,164 m2	65.46	76,200
B22	Ceiling Finishes				
1	Acoustic ceiling tile, 610mm x 1200mm c/w standard T-bar suspension system		1,164 m2	50.00	58,200
2	Subcontractor general work requirements		1 Sum	1,700.00	1,700
B22	Ceiling Finishes	TOTAL:\$	1,164 m2	51.46	59,900
B23	Wall Finishes				
1	Paint to walls		2,490 m2	10.00	24,900
2	Subcontractor general work requirements		1 Sum	700.00	700

B23 Wall Finishes TOTAL: \$ 2,490 m2	10.28	25,600
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B3 F	FITTINGS & EQUIPMENT		Quantity	Unit rate	Amount
B31	Fittings & Fixtures				
1	Millwork		1 Sum	6,400.00	6,400
	- Lunchroom kitchenette, allow		1 No.	3,500.00	3,500
	- Misc. millwork, allow		1,164 m2	2.50	2,900
2	Rough carpentry		1 Sum	9,300.00	9,300
	 Misc. rough carpentry, blocking, etc. 		1,164 m2	5.50	6,400
	- Caulking and sealing, allow		1,164 m2	2.50	2,900
3	Miscellaneous metals		1 Sum	2,900.00	2,900
	- Misc. metal supports, brackets, etc.		1,164 m2	2.50	2,900
4	Specialties		1 Sum	7,000.00	7,000
	 Allowance for misc. visual display specialties 		1 Sum	7,000.00	7,000
5	Interior signage - Allowance for interior signage and		1 Sum	5,800.00	5,800
	wayfinding		1,164 m2	5.00	5,800
6	Subcontractor general work requirements		1 Sum	800.00	800
331	Fittings & Fixtures	TOTAL:\$	1,164 m2	27.66	32,200
332	Equipment				
1	Systems furniture		1 Sum	0.00	0
	 Loose furniture, workstations, desks, tables, seating, etc. (NIC) 		1 Nil	0.00	0
2	Window coverings		1 Sum 336 m2	30,200.00	30,200
	- Manual roller binds, allow		330 M2	90.00	30,200
3	Kitchen equipment		1 Sum	0.00	0
	- Kitchen equipment (NIC)		1 Nil	0.00	0
4	Subcontractor general work				
	requirements		1 Sum	900.00	900

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C1	MECHANICAL		Quantity	Unit rate	Amount
C11	Plumbing & Drainage				
1	Fixtures and rough-in		1 Sum	600.00	600
	- Kitchen sink		1 No.	600.00	600
2	Domestic water		1 Sum	3,000.00	3,000
	- Domestic water pipe		1 Sum	2,000.00	2,000
	- Thermal pipe insulation		1 Sum	500.00	500
	- Fixture rough-in		1 No.	300.00	300
	- Core drill and patch		1 No.	200.00	200
3	Sanitary waste and vents		1 Sum	2,500.00	2,500
	- sanitary drain and vents, above grade		1 Sum	2,000.00	2,000
	- Fixture rough-in		1 No.	300.00	300
	- Core drill and patch		1 No.	200.00	200
4	Subcontractor general work				
	requirements		1 Sum	200.00	200
C11	Plumbing & Drainage	TOTAL:\$	1,164 m2	5.41	6,300
C12	Fire Protection				
1	Fire protection carried in Appendix A		1 Nil	0.00	(
C12	Fire Protection	TOTAL:\$	1,164 m2	0.00	(
C13	HVAC				
1	Air distribution		1 Sum	144,000.00	144,000
	- Galvanized ductwork, mains		1,500 kg	17.00	25,500
	- Thermal insulation, mains		90 m2	35.00	3,200
	- Thermal insulation, repairs		225 m2	35.00	7,900
	- Galvanized ductwork, boxes		1,200 kg	17.00	20,400
	 Thermal insulation, boxes 		225 m2	35.00	7,900
			75 m2	55.00	4,100
	- Acoustic insulation, boxes		00 N	0.500.00	
	- Dual duct box		20 No.	2,500.00	50,000
			20 No. 100 No. 60 No.	2,500.00 160.00 150.00	16,000 9,000

Carried Forward: 144,000



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C1 N	MECHANICAL		Quantity	Unit rate	Amount
C13	HVAC	(Continued)		Brought Forward :	144,000
2	Balancing and commissioning		1 Sum	4,000.00	4,000
	- Air balancing		1 Sum	4,000.00	4,000
3	Miscellaneous		1 Sum	1,500.00	1,500
	- Seismic restraint system		1 Sum	1,500.00	1,500
4	Subcontractor general work				
	requirements		1 Sum	4,500.00	4,500
C13	HVAC	TOTAL:\$	1,164 m2	132.30	154,000
C14	Controls				
1	Controls		1 Sum	93,500.00	93,500
	- Dual duct box		20 No.	1,500.00	30,000
	- Relocate perimeter thermostats		20 No.	1,000.00	20,000
	- New perimeter controls		20 No.	2,000.00	40,000
	- BAS/software, connect to existing		1 Sum	3,500.00	3,500
2	Subcontractor general work			0.000.05	
	requirements		1 Sum	2,800.00	2,800

C14 Controls TOTAL:\$ 1,164 m2 82.73 96,300



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C2 I	ELECTRICAL		Quantity	Unit rate	Amount
C21	Service & Distribution				
1	Scope of work associated with the Hamilton Utility Corporation (HUC) project (Not included in this project / estimate) - New incoming electrical service from		1 Nil	0.00	0
	Horizon Utilities c/w main service switchboard		1 Nil	0.00	0
	 New standby / emergency power plant (i.e. new generator) 		1 Nil	0.00	0
	- Replacement of basement normal power distribution system		1 Nil	0.00	0
	- Replacement of standby power distribution panels & ATS located in Level 6 mechanical penthouse - Wiring and connections for related mechanical equipment related to HUC		1 Nil 1 Nil	0.00	0
2	project 347/600V normal power lighting panel		0 No.	0.00	0
			0 140.	0.00	· ·
3	120/208V normal power lighting/receptacle panel		0 No.	0.00	0
4	120/208V standby power lighting/receptacle panel		0 No.	0.00	0
5	120/208V emergency power lighting/receptacle panel		0 No.	0.00	0
6	Feeders - To lighting panels (allow) - To lighting / receptacle panels (allow)		1 Sum 0 m	0.00 160.00 160.00	0 0 0
7	Miscellaneous service & distribution to serve renovated areas c/w metering, feeders, disconnects, studies & commissioning		1,164 m2	5.00	5,800
8	Seismic restraint system incl. in rates		1 Nil	0.00	0
9	Subcontractor general work requirements		1 Sum	200.00	200
C21	Service & Distribution	TOTAL:\$	1,164 m2	5.15	6,000

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- Supply & install new LED lighting to renovated area 1,164 m2 100.00 11	133,900 6,400 7,500
installed 1 Sum 133,900.00 - Supply & install new LED lighting to renovated area 1,164 m2 100.00 11	6,400
renovated area 1,164 m2 100.00 11	•
- Branch wiring main runs 1,164 m2 15.00 1	7,500
 Heritage designated lighting, selection / identification of specific luminaires that will be "heritage" designated is currently under review - 	
not required in this area 1 Nil 0.00	0
3 Lighting control 1 Sum 26,200.00	26,200
- Lighting control c/w new low voltage control system, sensors, dimming, wiring & Integration 1,164 m2 22.50 2	26,200
4 Exit & emergency lighting c/w LED "green running man" pictogram type 1 Sum 3,200.00 - New exit light 7 No. 450.00 - New batery unit 0 No. 900.00	3,200 3,200 0
5 Power outlets, devices & connections 1 Sum 52,300.00	52,300
- Provide power outlets, devices & direct	0,700
·	1,600
6 Mechanical motor connections 1 Sum 11,600.00	11,600
- Provide mechanical motor & equipment power connections 1,164 m2 10.00 1	1,600
7 Subcontractor general work requirements 1 Sum 6,900.00	6,900
C22 Lighting, Devices & Heating TOTAL:\$ 1,164 m2 201.12	234,100
C23 Systems & Ancillaries	
1 Fire alarm system 1 Sum 23,300.00 - Additions & modifications to fire alarm	23,300
system c/w devices, wiring, testing &	23,300
Carried Forward :	23,300



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C2 E	ELECTRICAL		Quantity	Unit rate	Amount
C23	Systems & Ancillaries	(Continued)		Brought Forward :	23,300
2	Communications empty conduit system - Provide communications empty conduit system c/w boxes, conduit stubs, cable		1 Sum	14,000.00	14,000
	tray & firestopping		1,164 m2	12.00	14,000
3	Communication cabling - Provide communication cabling c/w horizontal Cat.6A drops, backbone		1 Sum	34,900.00	34,900
	cabling & wire management		1,164 m2	30.00	34,900
4	Synchronized clocks - Relocate / add synchronized clocks connect to relocated master control		1 Sum	2,900.00	2,900
	panel		1,164 m2	2.50	2,900
5	Emergency call system		1 Sum	0.00	0
	- Not required on upper floors		1 Nil	0.00	0
6	Security / CCTV systems - Provide empty conduit infrastructure for		1 Sum	54,700.00	54,700
	security / CCTV systems		1,164 m2	7.00	8,100
	- Supply install of security systems		1,164 m2	40.00	46,600
7	Audio / Visual systems including sound reinforcement, PA/paging, simulataneous intepretation, assistive listeneing, video conferencing/information, audio recording, 'court in session' lighting				
	& CATV - Provide empty conduit infrastructure for		1 Sum	42,400.00	42,400
	AV systems		1,164 m2	20.00	23,300
	- Supply install of AV systems		1 Sum	19,100.00	19,100
8	Subcontractor general work				
	requirements		1 Sum	5,200.00	5,200

C23 Systems & Ancillaries TOTAL:\$ 1,164 m2 152.41 177,400



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D2 ANCILLARY WORK		Quantity	Unit rate	Amount	
D21	Demolitions				
1	Demolition and abatement carried in Appendix A		1 Nil	0.00	0
D21	Demolitions	TOTAL:\$	1,164 m2	0.00	0



Appendix A
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Appendix D - Documentation

APPENDIX D - DOCUMENTATION

ARCHITECTURAL

Number	Title	Dated	Received
EX.A2.0	Existing Basement Floor Plan	Apr. 2, 2015	May 22, 2015
EX.A2.1	Existing First Floor Plan	Apr. 2, 2015	May 22, 2015
EX.A2.2	Existing Second Floor Plan	Apr. 2, 2015	May 22, 2015
EX.A2.3	Existing Third Floor Plan	Apr. 2, 2015	May 22, 2015
EX.A2.4	Existing Fourth Floor Plan	Apr. 2, 2015	May 22, 2015
EX.A2.5	Existing Fifth Floor Plan	Apr. 2, 2015	May 22, 2015
EX.A2.6	Existing Penthouse Plan	Apr. 2, 2015	May 22, 2015
EX.A2.7	Existing Roof Plan	Apr. 2, 2015	May 22, 2015
EX.A3.3	Existing Third Floor RCP	Apr. 2, 2015	May 22, 2015
EX.A3.4	Existing Fourth Floor RCP	Apr. 2, 2015	May 22, 2015
EX.A3.5	Existing Fifth Floor RCP	Apr. 2, 2015	May 22, 2015
EX.A4.1	Existing South Elevation	Apr. 2, 2015	May 22, 2015
EX.A4.2	Existing North Elevation	Apr. 2, 2015	May 22, 2015
EX.A4.3	Existing East Elevation	Apr. 2, 2015	May 22, 2015
EX.A4.4	Existing West Elevation	Apr. 2, 2015	May 22, 2015
EX.A4.5	Existing East & West Entrance Elevation	Apr. 2, 2015	May 22, 2015
A2.7	Proposed Roof Plan	Apr. 2, 2015	May 22, 2015
A2.7A	Roof Details & Notes	Apr. 2, 2015	May 22, 2015
	Basement Floor Plan	Apr. 2, 2015	May 22, 2015
	First Floor Plan	Apr. 2, 2015	May 22, 2015
	Second Floor Plan	Apr. 2, 2015	May 22, 2015
	Third Floor Plan - Option 4	Apr. 2, 2015	May 22, 2015
	Fourth Floor Plan – Option 4	Apr. 2, 2015	May 22, 2015
	Fifth Floor Plan – Option 4	Apr. 2, 2015	May 22, 2015

DOCUMENTS

Number	Title	Dated	Received
	Acoustical Briefs	Apr. 2, 2015	May 22, 2015
	Architectural Brief	May 22, 2015	May 22, 2015
	Asbestos Survey	Jul. 15, 2008	May 22, 2015
	A/V Design Brief	May 22, 2015	May 22, 2015
	Electrical Brief	May 22, 2015	May 22, 2015
	Existing Roof Summary	Mar. 31, 2015	May 22, 2015
	Existing Room Finish Schedule (3-5)	Apr. 2, 2015	May 22, 2015
	Exterior Wall Insulation Detail (EXA0)	Apr. 2015	May 22, 2015
	Exterior Wall Insulation Locations –	Apr. 2, 2015	May 22, 2015
	Plans (Floors 1-4, Penthouse)		
	Heritage Background Report	Nov. 27, 2014	May 22, 2015
	HVAC Retrofit		May 22, 2015
	HVAC Retrofit – Key Plan	Jun. 19, 2014	May 22, 2015



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PROVINCIAL OFFENSES ADMINISTRATION OFFICE RELOCATION HAMILTON, ONTARIO

APPENDIX D - DOCUMENTATION

DOCUMENTS

Number	Title	Dated	Received
	Mechanical Brief	May 22, 2015	May 22, 2015
	Overall Design Brief	May 22, 2015	May 22, 2015
	POA Program Document	May 21, 2015	May 22, 2015
	Record Drawings		May 22, 2015
	Schematic Design Brief	Apr. 2, 2015	May 22, 2015
	Security Design Brief	May 22, 2015	May 22, 2015
	Structural Briefs	May 22, 2015	May 22, 2015
	Survey		May 22, 2015