



YORK REGION PRS #32 RFTC-604-22-10

53 JACOB KEFFER PARKWAY, CITY OF VAUGHAN

ARCHITECT
THOMAS BROWN ARCHITECTS INC.
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ARCHITECTURAL DRAWING LIST

SHEET	TITLE
A0.0	DRAWING INDEX & OBC MATRIX
A0.1	GUIDE TO USE OF DRAWING, TYPICAL DETAIL LIST, ABBREVIATIONS
A0.2	EXTERIOR & INTERIOR ASSEMBLIES
A0.3	FIXTURE MOUNTING HEIGHTS
A1.1	FIRE, LIFE SAFETY, & AODA REQUIREMENTS
A1.2	OBC LIMITING DISTANCE REVIEW
A2.1	SITE SURVEY
A2.2	SITE DEMOLITION, SITE DETAILS
A2.3	TREE INVENTORY / REMOVAL / PRESERVATION PLAN
A2.4	SITE PLAN & SITE PLAN STATISTICS
A2.5	LAYOUT PLAN - SITE
A2.6	SITE PLAN DETAILS
A2.7	SITE PLAN DETAILS
A2.8	CANOPY DETAILS/ FOUNDATION & ROOF PLANS
A3.1	FOUNDATION PLAN
A3.2	LAYOUT - FOUNDATION & GROUND FLOOR
A3.3	FLOOR PLAN
A3.4	FLOOR PLAN - INTERIOR PARTITION LAYOUT
A3.5	VEHICLE BAY, I.T ROOM & CREW AREA ELEVATIONS & DETAILS
A3.6	VEHICLE BAY ELEVATIONS & DETAILS
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A10.1	REFLECTED CEILING PLAN
A11.1	WASHROOM PLAN AND ELEVATIONS
A12.1	MILLWORK PLANS, ELEVATIONS, AND DETAILS
A12.2	MILLWORK DETAILS
A13.1	DOOR FINISH SCHEDULE

STRUCTURAL CONSULTANT
STEPHENSON ENGINEERING LTD
2550 VICTORIA PARK AVE #602
TORONTO, ON M2J 5A9
TEL: (416) 954-5710 ext 101
WWW.STEPHENSON-ENG.COM

STRUCTURAL DRAWING LIST

SHEET	TITLE
S1-01	FOUNDATION PLAN
S1-02	ROOF FRAMING PLAN
S2-01	COLUMN SCHEDULE AND FOUNDATION PLAN DETAILS
S3-01	FOUNDATION SECTIONS
S4-01	ROOF SECTIONS
S4-02	ROOF SECTIONS
S5-01	GENERAL NOTES
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S5-03	TYPICAL DETAILS
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S5-05	TYPICAL DETAILS
S5-06	TYPICAL DETAILS
S5-07	TYPICAL DETAILS

MECHANICAL CONSULTANT
ZON ENGINEERING
360 WOOLWICH STREET
GUELPH, N1H 3W6
TEL: 1-888-338-6363
WWW.ZONENGINEERING.COM

MECHANICAL DRAWING LIST

SHEET	TITLE
M1.0	SITE & LEGEND
M2.0	SCHEDULES
M3.0	PLUMBING & DRAINAGE
M4.0	ROOF AND HVAC PLANS
M5.0	PART PLANS
M6.0	GAS AND PLUMBING SCHEMATICS
M7.0	FIRE PROTECTION

ELECTRICAL CONSULTANT
KIRKLAND ENGINEERING
570 WATER STREET
PETERBOROUGH, ON K9H 3M8
TEL: (705) 745-2331
WWW.KIRKLANDENG.COM

ELECTRICAL DRAWING LIST

SHEET	TITLE
E1	LEGEND, SCHEDULES AND DRAWING LIST
E2	ELECTRICAL SITE PLAN AND DETAILS
E3	ELECTRICAL SITE PLAN DETAILS (ALECTRA)
E4	POWER AND SYSTEMS PLAN AND DETAILS
E5	SECURITY PLAN LEGEND AND DETAILS
E6	LIGHTING PLAN AND DETAILS
E7	FIRE ALARM PLAN AND DETAILS
E8	PANEL SCHEDULES AND SINGLE LINE DIAGRAM
E9	LIGHTING CONTROL SCHEMATICS
E10	ELECTRICAL SITE PLAN DETAILS (ALECTRA)
E11	ELECTRICAL SITE PLAN DETAILS (ALECTRA)

LANDSCAPE CONSULTANT
HARRINGTON MCAVAN LTD
41 MAIN ST UNIONVILLE UNIT 102
UNIONVILLE, ON L3R 2E5
TEL: (905) 294-4282
WWW.HARRINGTONMCAVAN.COM

LANDSCAPE DRAWING LIST

SHEET	TITLE
L1	LANDSCAPE PLAN AND DETAILS

SITE SERVICING CONSULTANT
MGM CONSULTING INC.
400 BRONTE STREET SOUTH
MILTON, ON L9T 0H7
TEL: (905) 875-1228
WWW.MGM.ON.CA

CIVIL DRAWING LIST

SHEET	TITLE
CV-1	SEDIMENT & EROSION CONTROL & REMOVALS PLAN
CV-2	SERVICING PLAN
CV-3	GRADING PLAN
CV-4	DETAILS

ONTARIO BUILDING CODE DATA MATRIX

PART 3 - FIRE PROTECTION, OCCUPANT SAFETY AND ACCESSIBILITY

Name of Practice Address 1 Address 2		THOMAS BROWN ARCHITECTS INC. 197 Spadina Avenue, Suite 500 Toronto, ON M5T 2C8		Name of Project Location/Address Contact		YORK REGION PRS #32 53 Jacob Keffler Parkway Chris Kubbinga	
3.00 BUILDING CODE VERSION		O.Reg. 332/12		LAST AMENDMENT		O.Reg. 762/20	
3.01 PROJECT TYPE		New Construction Construction of New Paramedic Response Station				[A] 1.1.2.	
3.02 MAJOR OCCUPANCY CLASSIFICATION		OCCUPANCY				USE	
		D F3		Business & Personal Services Low Hazard Industrial		Office Storage Garage	
3.03 SUPERIMPOSED MAJOR OCCUPANCIES		N/A N/A				3.2.2.7.	
3.04 BUILDING AREA (m²)		DESCRIPTION		EXISTING		NEW	
		Building Footprint		0.00		490.00	
		TOTAL		-		490.00	
3.05 GROSS AREA (m²)		DESCRIPTION		EXISTING		NEW	
		1st Storey		0.00		490.00	
		TOTAL		-		490.00	
3.06 MEZZANINE AREA (m²)		DESCRIPTION		EXISTING		NEW	
		N/A		0.00		0.00	
		TOTAL		-		-	
3.07 BUILDING HEIGHT		1 0		STOREYS ABOVE GRADE STOREYS BELOW GRADE		7.50 (m) ABOVE GRADE	
3.08 HIGH BUILDING		No		3.2.6			
3.09 NUMBER OF STREETS/ FIREFIGHTER ACCESS		1		STREET(S)		3.2.2.10. & 3.2.5.	
3.10 BUILDING CLASSIFICATION (SIZE AND CONSTRUCTION RELATIVE TO OCCUPANCY)		3.2.2.56. 3.2.2.79.		Group D, up to 2 Storeys, Sprinklered Group F, Division 3, up to 2 Storeys, Sprinklered			
3.11 SPRINKLER SYSTEM		Required DESCRIBE		PROVIDED: Entire Building		3.2.1.5. & 3.2.2.17.	
3.12 STANDPIPE SYSTEM		Not Required		3.2.9.			
3.13 FIRE ALARM SYSTEM		Required Fire Alarm System provided as part of Contract		TYPE PROVIDED		Single Stage	
3.14 WATER SERVICE/ SUPPLY IS ADEQUATE		Yes		3.2.4.			
3.15 CONSTRUCTION TYPE		RESTRICTIONS ACTUAL		Combination Permitted Noncombustible		HEAVY TIMBER CONSTRUCTION	
						N/A	
3.16 IMPORTANCE CATEGORY		Post-Disaster		-		4.1.2.1.(3). T4.1.2.1.B.	
3.17 SEISMIC HAZARD INDEX (IE Fa Sa (0.2)) =		0.28		Seismic Design Required for Table 4.1.8.18. Items 6 to 21			
3.18 REASONING FOR REQUIREMENT		Importance Category				4.1.8.18.(2)	
3.19 OCCUPANT LOAD		FLOOR LEVEL/AREA		OCCUPANCY TYPE		BASED ON	
		First Floor		Group D		Design of space	
		TOTAL				18	
3.20 HAZARDOUS SUBSTANCES		No		3.3.1.2. & 3.3.1.19.			
3.21 REQUIRED FIRE SEPARATIONS		1.5 Hr 1hr		Storage Garage Separation Between Group D & F3 Mechanical / Electrical Room (Service Room)			
3.22 REQUIRED FIRE RESISTANCE RATINGS		HORIZONTAL ASSEMBLY		RATING (H)		LISTED DESIGN NO. ULC OR ASSEMBLY SB-2	
		FLOORS		45 min		N/A	
		MEZZANINE		N/A		N/A	
		ROOF		N/A		N/A	
		SUPPORT ASSEMBLY		RATING (H)		LISTED DESIGN NO. ULC OR ASSEMBLY SB-2	
		FLOORS		45 min		N/A	
		MEZZANINE		N/A		N/A	
		ROOF		N/A		N/A	
3.23 SPATIAL SEPARATION		WALL		EBF AREA (m2)		L.D. (m) OBC	
		North		115		7.00	
		West		134		9.00	
		East		106		27.00	
		South		115		11.00	
		WALL		L.D. (m) OBC		L.D. (m) ACTUAL	
		North		7.00		7.09	
		West		9.00		32.70	
		East		27.00		27.39	
		South		11.00		12.00	
				Permitted Max. % of Openings		Proposed % of Openings	
				82.59%		1.74%	
				100.00%		32.09%	
				100.00%		26.42%	
				100.00%		4.35%	
				N/A		290 Masonry Block Wall	
3.24 BARRIER-FREE DESIGN		Yes		3.8.			
3.25 BARRIER-FREE ENTRANCES		No. OF ENTRANCES PEDESTRIAN ENTRANCES		1		3.8.1.2	
		No. OF ENTRANCES REQ'D TO BE BARRIER FREE		1		3.8.1.2	
3.26 BUILDING EXISTS		DESCRIPTION		REQUIRED		PROVIDED	
		Ground Floor		2		7	
3.27 LOCATION OF EXITS		OCCUPANCY		REQUIRED		PROVIDED	
		Business & Personal Services		40m Max		14.37m	
		Low Hazard Industrial		45m Max		16.79m	
3.28 PLUMBING FIXTURE REQUIREMENTS		RATIO:		MALE:FEMALE = 50:50 EXCEPT AS NOTED OTHERWISE			
		FLOOR LEVEL/AREA		OCCUPANT LOAD		OBC SENTENCE	
		First Floor Male		9		3.7.4.7	
		First Floor Female		9		3.7.4.7	
3.29 ENERGY EFFICIENCY		COMPLIANCE PATH:		ASHRAE 90.1-2013 +SB10 Division 3 Chapter 2			
		CLIMATIC ZONE:		ZONE 6			
3.30 BUILDING ENVELOPE REQUIREMENTS		DESCRIPTION		REQUIRED		PROVIDED	
		ROOF, ENTIRELY ABOVE DECK:		R-35 ci		R-60 & R-48	
		WALLS ABOVE GRADE, MASS:		R-19 ci		R-21.5	
		WALLS ABOVE GRADE, STEEL FRAMED:		R-13 + R15 ci		R-24 + R21.5 ci	
		SLAB-ON-GRADE (UNHEATED)		R-15 for 48in		R-15	
3.31 NOTES							

ONTARIO BUILDING CODE DATA MATRIX 1 ALL REFERENCES ARE TO DIVISION B OF THE OBC UNLESS PRECEDED BY [A] FOR DIVISION A AND [C] FOR DIVISION C

SEISMIC DESIGN REQUIREMENTS FOR NON-STRUCTURAL ELEMENTS (CATEGORIES 6 TO 21 TABLE 4.1.1.18)

		OBC REFERENCE	
01	IMPORTANCE CATEGORY	Post-Disaster	-
02	SITE CLASS	D	4.1.2.1.(3). & 5.2.2.1.(2)
03	5% SPECTRAL RESPONSE ACCELERATION Sa(0.2)	0.167	4.1.8.4.(1) & SB-1, T.1.2.
04	EARTHQUAKE IMPORTANCE FACTOR (IE)	1.50	T.4.1.8.5.
05	ACCELERATION BASED COEFFICIENT (Fa)	1.12	T.4.1.8.4.B
06	SEISMIC HAZARD INDEX	IEFaSa(0.2) = 0.28	0.35 OR GREATER? 0.12 OR LESS?
		NO	4.1.8.18.(1)
		NO	4.1.8.1.(1)
		REQUIRED	4.1.8.18.(2)
		REASONING FOR REQUIREMENT:	IMPORTANCE CATEGORY

THE CONTENTS OF THIS DRAWING AND SPECIFICATIONS
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AND MUST BE RETURNED UPON COMPLETION OF THE WORK.

ISSUE OR REVISION

NO.	ISSUED FOR	DATE
3	SITE PLAN APPLICATION	2021-04-14
4	30% SUBMISSION	2021-05-20
6	60% SUBMISSION	2021-08-06
8	90% SUBMISSION	2021-10-18
11	BUILDING PERMIT	2022-01-24
14	95% SUBMISSION	2022-12-01
15	SPA FINAL SUBMISSION	2022-12-01
16	IFT	2022-12-16

YORK REGION PRS #32 RFTC-604-22-10

53 JACOB KEFFER PARKWAY, CITY OF VAUGHAN

PROJECT:

CLIENT

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR
TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES
ARE TO BE REPORTED TO THE CONSULTANT.

ARCHITECT
THOMASBROWNARCHITECTS
197 SPADINA AVENUE, SUITE 500 | TORONTO ONTARIO | M5T 2C8

PROFESSIONAL SEAL

DWG TITLE

DRAWING INDEX & OBC MATRIX

ORIENTATION

DATE
2020-11-30

SCALE
DRAWN BY
SL / AA / VL

DWG STATUS:

TENDER

1903

DRAWING No.

A0.0

REVISION

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