NAME OF PRACTICE: Group 24
1125 Colonel By Dr, Ottawa, ON K1S 5B6
Prashaana Ajithkumar
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NAME OF PROJECT: Assignment 1a - Permit Application
Location: 642 & 646 Somerset Street W
Date: 10/16/2024

	Ontario Building Code Data Matrix - Part 3		Building Code Reference [1]
3.00	Building Code Version:	O. Reg. 332/12 — Last Amendment O. Reg. 89/23	
3.01	Project Type	☒ New ☐ Addition ☐ Alteration ☐ Change of Use Description: - 6 storey multi-use building - Ground floor retail Underground parking garage	[A] 1.1.2.2.
3.02	Major Occupancy Classification: C, E, F3	Occupancy / Use Group C — Residential Occupancies Group E — Mercantile Occupancies Group F3 — Low hazard industrial Occupancies	3.1.2.
3.03	Superimposed Major Occupancies:	☒ No ☐ Yes	3.2.2.7.
3.04	Building Area (m^2)	Existing: $0m^2$ New: $213m^2$ Total: $213m^2$	[A] 1.4.1.2.
3.05	Gross Area (m^2) *Insert additional lines as needed*	Description: / Existing / New / Total BASEMENT 0 / 339 m^2 / 339m^2 ZEROED FLOOR 0 / 190 m^2 / 190 m^2 FIRST FLOOR 0 / 178 m^2 / 178m^2 SECOND FLOOR 0 / 178 m^2 / 178m^2 THIRD FLOOR 0 / 178 m^2 / 178m^2 FOURTH FLOOR 0 / 178 m^2 / 178m^2 FIFTH FLOOR 0 / 178 m^2 / 178m^2 ROOF 0 / 183 m^2 / 183 m^2 Total 0 / 1,602 m^2 / 1,602 m^2	[A] 1.4.1.2.
3.06	Mezzanine Area (m^2)	N/A	3.2.1.1.
3.07	Building Height	5 Storeys above grade — 14.823(m) Above grade 1 Storey below grade	[A] 1.4.1.2. & 3.2.1.1.
3.08	High Building	☒ No ☐ Yes	3.2.6.
3.09	Number of Streets/ Firefighter access	2 streets	3.2.2.10. & 3.2.5.

3.10	Building Classification: (Size & Construction Relative to Occupancy)	Multi-use — Group/Div — Group C, E & F3	3.2.2.20 - 83.
3.11	Sprinkler System	☒Required ☐ Not Required Provided: ☒ entire building ☐ selected compartments ☐ selected floor areas ☐ basement ☐ in lieu of roof rating ☐ none	3.2.1.5. & 3.2.2.17., 3.2.2.18., 3.2.4.8. to 3.2.4.10., and 3.2.5.13
3.12	Standpipe System	☒ Not required ☐ Required	3.2.9.
3.13	Fire Alarm System	☒ Required ☐ Not required Type Provided: ☒ Single stage ☐ Two stage ☐ None	3.2.4.
3.14	Water Service / Supply is Adequate	☐ No ☒ Yes	3.2.5.7.
3.15	Construction Type:	Restrictions: ☐ Combustible ☒ Non-combustible required ☐ Encapsulated mass timber Actual: ☐ Combustible ☒ Non-combustible ☐ Combination of combustible and non-combustible ☐ Encapsulated mass timber ☐ Combination of encapsulated mass timber and non-combustible Heavy Timber Construction: ☒ No ☐ Yes	3.2.2.20.- 83. & 3.2.1.4.
3.16	Importance Category:	☒ Normal	4.1.2.1.(3) & T4.1.2.1.B
3.17	Seismic Hazard Index:	(I_E Fa Sa (0.2)) = 0 Seismic design required for Table 4.1.8.18. items 6 to 21: ((I_E Fa Sa (0.2)) ≥ 0.35 or Post-disaster) ☒ No ☐ Yes	4.1.2.1.(3) 4.1.8.18.(1)
3.18	Occupant Load	Floor Level/Area / Occupancy Type / Based On / Occupant Load (Persons) Underground Floor / Basement / T3.3.1.17.1 / 91 Floor Level 0 / Mercantile / T3.3.1.17.1 / 51 Upper Levels (5) / Residential / 3.1.17.1(1b) / 30 (6 per floor)	3.1.17. and 3.1.17.1.(2)
3.19	Barrier-free Design:	☒ Yes ☐ No	3.8. 3.1.8.2
3.20	Hazardous Substances:	☐ Yes ☒ No	3.3.1.2. & 3.3.1.19.

3.21	Required Fire Resistance Ratings	Horizontal Assembly / Rating (H) / Supportin Assembly / Noncombustible in lieu of rating? Floors over basement / 2h / 2h / ☐ No ☒ Yes ☐ N/A Floors / 2h / 2h / ☐ No ☒ Yes ☐ N/A Roof / 2h / 1.5-2h / ☐ No ☒ Yes ☐ N/A	3.2.2.20 - 83., 3.2.1.2, 3.2.1.4., 3.2.2.15.
3.22a	Spatial Separation *Insert additional lines as needed*	Exposing Building Face / EBF Area (m^2) / L.D. (m) / Total Area of Unprotected Openings (m^2) / Required FRR (H) / % Area of Unprotected Openings Provided / Cladding Type North / 147.46m^2 / 2.07m / 29.52 / 0 / 22% / ☒ Noncombustible South / 151.86m^2 / 7.20m / 29.23 / 0 / 66% / ☒ Noncombustible East / 385.15m^2 / 3.00m / 126.21 / 0 / 22% / ☒ Noncombustible West / 412.24m^2 / 3.00m / 22.88 / 0 / 22% / ☒ Noncombustible	3.2.3.
3.23a	Plumbing Fixture Requirements"	Ratio: Male:Female = 50:50 Except as noted otherwise Floor Level/Area / Occupant Load / Fixtures Required / Fixtures Provided / Universal Washrooms Provided Underground Floor / 91 / 0 / 0 / 0 Floor Level 0 / 51 / 3 / 3 / 3 Upper Levels (5) / 30 (6 per floor) / 10 (2 per floor) / 10(2 per floor) / 2	3.7.4., 3.8.2.3.
3.24	Energy Efficiency	Compliance Path: No less than 13& efficiency Climate Zone: Zone 6	12.2.1.2

1 *All references are to Division B of the OBC, unless preceded by [A] for Division A and [C] for Division C.*

WINDOW SCHEDULE

Type Mark	Level	Size: Width	Size: Height	Type
LEVEL 100				
W07	LEVEL 100	1.230	1.480	Single fixed window with Vienna muntins
W07	LEVEL 100	1.230	1.480	Single fixed window with Vienna muntins
W06	LEVEL 100	1.219	0.981	FIXED
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W06	LEVEL 100	1.219	0.981	FIXED
W06	LEVEL 100	1.219	0.981	FIXED
LEVEL 200				
W06	LEVEL 200	1.219	0.981	FIXED
W06	LEVEL 200	1.219	0.981	FIXED
W06	LEVEL 200	1.219	0.981	FIXED
W06	LEVEL 200	1.219	0.981	FIXED
W06	LEVEL 200	1.219	0.981	FIXED
W06	LEVEL 200	1.219	0.981	FIXED
LEVEL 300				
W07	LEVEL 300	1.230	1.480	Single fixed window with Vienna muntins
W07	LEVEL 300	1.230	1.480	Single fixed window with Vienna muntins
W06	LEVEL 300	1.219	0.981	FIXED
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DRAWING INDEX

Sheet Number	Sheet Name
A000	COVER SHEET
A001	SITE PLAN
A100	PLANS
A101	PLANS
A200	CROSS SECTIONS
A201	EGRESS STAIR DETAILS
A300	ELEVATIONS
A301	ELEVATIONS

DOOR SCHEDULE

DOOR #	Door Size: WIDTH	HEIGHT	THICKNESS	FIRE RESISTANCE RATING
BASEMENT				
D003	0.910	2.110	0.038	
D004	0.910	2.110	0.038	
D005	0.910	2.110	0.038	
D001B	0.910	2.110	0.038	
D002B	0.910	2.110	0.038	
LEVEL 000				
D113	4.200	2.127		EI30
D101	0.910	2.110	0.038	
D102	0.910	2.110	0.038	
D103	0.910	2.110	0.038	
D104	0.910	2.110	0.038	
D105	0.910	2.110	0.038	
D106	0.910	2.110	0.038	
D107	0.910	2.110	0.038	
D108	0.910	2.110	0.038	
D109	0.910	2.110	0.038	
000				
D110	2.438	1.800	0.038	
D112	4.200	2.127		EI30
LEVEL 100				
D206-D	1.727	2.032	0.051	
D206-E	1.727	2.032	0.051	
184	1.000	2.134	0.035	
185	1.000	2.134	0.035	
D205-D	1.727	2.032	0.051	
D205-C	1.727	2.032	0.051	
310	1.000	2.134	0.035	
D201	0.910	2.110	0.038	
D202	0.910	2.110	0.038	
D203	0.910	2.110	0.038	
D205	0.910	2.110	0.038	
D207	0.910	2.110	0.038	
D206	0.910	2.110	0.038	
D206-A	0.910	2.110	0.038	
D206-B	0.910	2.110	0.038	
D206-C	0.910	2.110	0.038	
D205-A	0.910	2.110	0.038	
D205-B	0.910	2.110	0.038	
LEVEL 200				
149	1.727	2.032	0.051	
161	1.727	2.032	0.051	
188	1.000	2.134	0.035	
189	1.000	2.134	0.035	
210	0.910	2.110	0.038	
211	0.910	2.110	0.038	
212	0.910	2.110	0.038	
213	0.910	2.110	0.038	
214	0.910	2.110	0.038	
217	0.910	2.110	0.038	
220	0.910	2.110	0.038	
221	0.910	2.110	0.038	
290	1.727	2.032	0.051	
295	1.727	2.032	0.051	
322	0.910	2.110	0.038	
323	0.910	2.110	0.038	
LEVEL 300				
152	1.727	2.032	0.051	
162	1.727	2.032	0.051	
192	1.000	2.134	0.035	
193	1.000	2.134	0.035	
222	0.910	2.110	0.038	
223	0.910	2.110	0.038	
224	0.910	2.110	0.038	
225	0.910	2.110	0.038	
226	0.910	2.110	0.038	
229	0.910	2.110	0.038	
232	0.910	2.110	0.038	
233	0.910	2.110	0.038	
291	1.727	2.032	0.051	
296	1.727	2.032	0.051	
320	0.910	2.110	0.038	
321	0.910	2.110	0.038	

Symbols

Symbol	Name
Ref 1 A101	SECTION
Ref 1 A101	ELEVATION
Room name 101	ROOM TAG
101	DOOR TAG
101	WINDOW TAG

DRAWING LEGEND
1 : 50

1 Site Plan
1 : 200

G24

PROJECT NORTH
TRUE NORTH

Amelie Murphy 101269951
Ethan Cundall 101268242
Prashaana Ajithkumar 101264061
Mariia Parkhomchuk 101287201
Nashia Williams 101267500

No.	Description	Date
01	MARK-UP SESSION	10/09/2024
02	FINAL SUBMISSION	10/16/2024

ARCH TECH

PROJECT 1

COVER SHEET

Project number	0001
Date	16, October 2024
Drawn by	Group 24
Checked by	Group 24

A000

Scale: As indicated