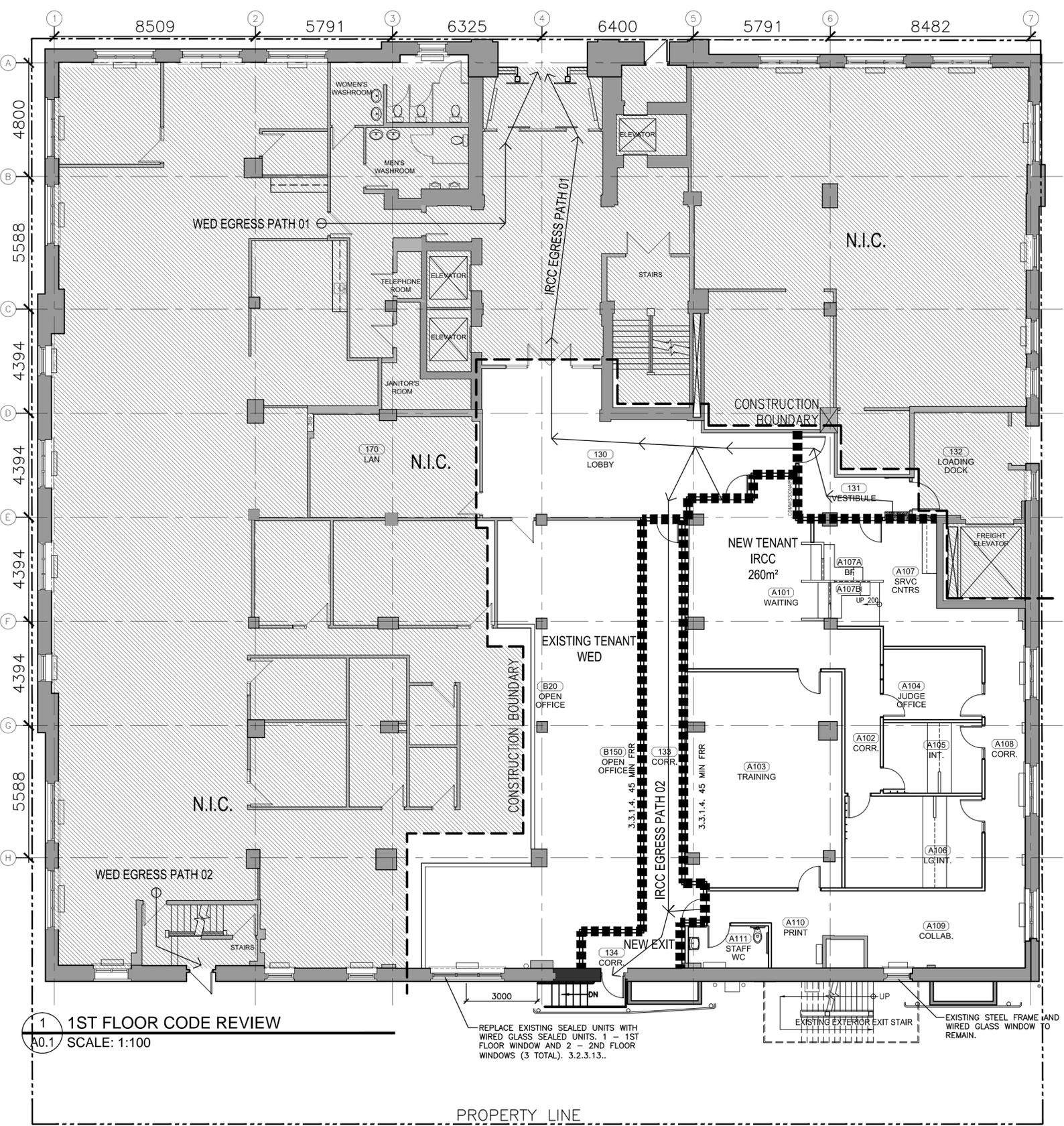


Building Code Review, 2015 National Building Code of Canada		
General Information		
Government of Canada Building (GOCB)		
Address	101 East 22nd Street, Saskatoon, Saskatchewan Plan 025-0, Block: 148, Lot: 15-20	
Building Area	1657 m ²	
Storeys Above Grade	6	
Storeys Below Grade	1 basement	
Number of Streets	2	
Use(s) of the Building	Office	
Major Occupancies	D	
1 st Floor IRCC Suite Area	260 m ²	
2 nd Floor IRCC Area	433 m ²	
2 nd Floor Elevator Lobby Suite Area	45 m ²	
Article #	Summary	Comments
3.1.2.1	Business and personal services occupancies	Group D
Classification of Building		
3.1.8.6.	Maximum size of any opening in the public corridor partition is 11m ² with no dimension larger than 3.7m.	
Openings		
3.1.8.13.	Self-closing Devices	Required
3.1.8.12.	20 minute rated door assembly is acceptable between the public corridor and the suite.	Door closers required on Tenant doors. 20 minute doors
Closures		
3.1.8.16.	Wired Glass and Glass Block	Maximum 6mm bottom and 3mm side clearances at doors. Openings between the public corridor and suites must be provided with Wired Glass.
3.1.8.7.	Fire and Smoke Dampers	Required at all public corridor/tenant partitions.
3.1.8.11.	Self-closing Devices	Every door in a fire separation shall be equipped with a self-closing device.
3.1.17.	Occupant Load	1 st Floor IRCC Personal services shops - 4.6m ² /person 70 2 nd Floor IRCC Offices - 9.3m ² /person 45
3.2.2.55.		
Group D, up to 6 Storeys		Complies - building is 6 storeys and with a building area less than 3000m ² (facing 2 streets)
1) A building classified as Group D is permitted to conform to Sentence (2) provided: a) it is not more than 6 storeys in building height, and b) it has a building area not more than the value in Table 3.2.2.55.		
2) The building referred to in Sentence (1) shall be of noncombustible construction, and a) floor assemblies shall be fire separations with a fire-resistance rating not less than 1 h, b) mezzanines shall have a fire-resistance rating not less than 1 h, c) roof assemblies shall have a fire-resistance rating not less than 1h, except that in a building not more than 1 storey in building height this requirement is waived, and d) loadbearing walls, columns and arches shall have a fire-resistance rating not less than that required for the supported assembly.		Complies 1 hour required Floors: 1 hour Loadbearing elements: 1 hour
3.3.1.1.	Suites of Group D occupancy are not required to be fire separated from each other.	
3.3.1.4.	Public Corridor Separations	Public corridors are required to be constructed as fire separations having a 45-minute fire-resistance rating
3.3.1.5.	Egress Doorways	2 required since both suite areas are greater than 200m ² .
3.3.1.6.	Travel Distance	More than one egress door is required, therefore travel distance is based upon 3.4.2.5b. Maximum travel distance in suite to nearest egress door is 40 metres
3.3.1.9.	Dead End Corridor	Maximum dead end corridor is 6m
3.3.1.9.	Means of Egress	2 separate means of egress required
3.3.1.10.	Aisles	Aisles shall be provided in conformance with the NFC. 1100mm main aisles 900mm subsidiary aisles
3.3.1.11.	Door Swing	Where occupant load exceeds 60, egress doors must swing in direction of exit travel.
3.3.1.4.	Public Corridor	45 min separation required
3.4.2.1.	Minimum Number of Exits	2 exits required on all floors. 1 st floor - 2 provided 2 nd floor - 3 provided
3.4.2.4.	Travel Distance	Fire separated public corridor permits travel distance to be measured from the suite egress door to the exit door. Maximum travel distance from suite egress door to nearest exit door is 40 metres
3.4.2.5.	Location of Exits	Travel distance in suite to nearest egress door is 40 metres
3.8.	Barrier-Free Design	Barrier Free Design Standards will be applied to the project.

█ 1HR FRR PARTITION
- FIRESTOP ALL PENETRATIONS

--- PROPERTY LINE



1 1ST FLOOR CODE REVIEW
A0.1 SCALE: 1:100

REPLACE EXISTING SEALED UNITS WITH WIRED GLASS SEALED UNITS. 1 - 1ST FLOOR WINDOW AND 2 - 2ND FLOOR WINDOWS (3 TOTAL). 3.2.3.13..

EXISTING STEEL FRAME AND WIRED GLASS WINDOW TO REMAIN.