Ъ.	BUILDING CODE ANA		PROJECT DESCRIP
6V0	1. Fire Protection, Occupant Safe	ety and Accessibility (MBC 2020, Part 3)	THE EXISTING OLD EX ARENA BUILDIN
2020-136V0.dwg\A0.1	MBC Section 3.1- General a. Major occupancy classification (b. Other intended occupancy group	3.1.2):Group A, Division 2b(s):Group F, Division 3; Group D	BUILDING OF GLULAM BEAMS/COLUMN THE ARENA IS BUILT OF WOOD STUDS IS BUILT WITH CONCRETE BLOCK WAL
202	c. Building Area(s): d. Building Height: (Number of Stor Facing Number of Streets:	2888 square metres	WASHROOM ADDITION WAS ADDED TO AND WOOD ROOF JOISTS. A ZAMBONI
ш	e. Building is sprinklered f. Firewall(s) (3.1.10) (Rating and	grid line location) X/A W/A	1983, BUILT OF CONCRETE BLOCK AND ORIGINAL BUILDING IS NOT SPRINKLEF
NAME	g. High Building (3.2.6) h. Alternative Solution(s): i. Design occupant load(s) (3.1.17	 Yes X No If Yes, additional analysis included □ Yes X No 360 Occupants (based on use/design occupancy, see washroom counts) 	THIS PROJECT WILL INCLUDE THE DEM ON THE SOUTH SIDE OF THE ARENA. T
Z Ш	MBC Section 3.2 Building Fire Safety 3.2.2 Building Size and Construction Relative	to Occupancy	EXTERIOR UPGRADES TO THE EXISTIN ELECTRICAL MODIFICATIONS WILL BE
	a. Construction article(s) (from artic	c/es 3.2.2.20 - 3.2.2.92) 3.2.2.26. Group A, Division 2, up to 2 storeys, increased area, sprinklered 3.2.2.65. Group D, up to 2 storeys, sprinklered 2.3.3.88. Group F, Division 3, up to 2 storeys, sprinklered	A NEW SINGLE-STORY OFFICE AND WA SOUTHWEST OF THE ARENA. SPRINKL
	b. Construction: c. Floor assembly f. Mezzanine assemblies	Non-combustible OR X Non-combustible or combustible construction, singly or in combination N/A fire separation (FS) (n/a, 1 storey building) N/A fire-resistance rating (FRR) if combustible (n/a, no mezzanine)	THE GARAGE, AND THE NEW ADDITION NON-COMBUSTIBLE CONSTRUCTION.
2.18	g. Loadbearing columns/walls/arch	N/A (do not support assembly with required FRR)	THE SOUTH PARKING AREA AND THE E ALSO BE ALTERED AS PART OF THIS PF
2024.1	3.2.3 - Spatial Separation (Note: See Tables 3.2 Refer to spatial separation diagram on sheet A0.0. North Wall		EXISTING BUS LOOP, ASPHALT UPGRA AND UPGRADES TO THE SITE DRAINAC CURRNT CITY OF WINNIPEG STANDAR
	a. Limiting distance (LD) = Exposing building face (EBF) = b. Unprotected openings (allowable	29.5m (Table 3.2.3.1.D) to prop line 283.6 sq m (area) e) 100% (specify) > unprotected openings (actual) 14.2% (specify)	PARKING AREA WITH A NEW ASPHALT
ATE	c. FRR = Construction : Cladding :	not required (Table 3.2.3.7) non-combustible X combustible X non-combustible X combustible X	
D	a. Limiting distance (LD) = Exposing building face (EBF) =	22.7 m (Table 3.2.3.1.D) to prop line 283.7 sq m (area)	
	b. Unprotected openings (allowable c. FRR =	e) = 100% (specify) > unprotected openings (actual) 11.7% (specify) not required (Table 3.2.3.7)	
	Construction : Cladding : West Wall	non-combustible X combustible X non-combustible X combustible X	
	a. Limiting distance (LD) = Exposing building face (EBF) = b. Unprotected openings (allowable	481m (Table 3.2.3.1.D) to prop line 331.5 sq m (area) e) 100% (specify) > unprotected openings (actual) 13.4% (specify)	
	c. FRR = Construction : Cladding :	not required (Table 3.2.3.7) non-combustible X combustible X non-combustible X combustible X	
	a. Limiting distance (LD) = Exposing building face (EBF) =	7.6m (Table 3.2.3.1.D) midway to Sgt. Tommy Prince 327.6 sg m (area)	
	b. Unprotected openings (allowable c. FRR =	e) ±77.9% (specify) > unprotected openings (actual) 22.8% (specify) 45 (min) (Table 3.2.3.7)	
	Construction : Cladding :	non-combustible X combustible X non-combustible X combustible X	
	East side - 45 minute FRR is e Appendix D, Table D2.1.1: East side of addition - existing 1	xceeded. 0" (250mm) concrete block walls = 4.5" (113mm) equiv. thickness > 59mm	
	East side of garage - existing 4" Appendix D, Tables D2.3.4-A 8 East side of addition - infill above		
	Non-loadbearing wall, 16mm Ty	pe 'X' gypsum board = 40 minutes ad 400mm o.c. = 10 minutes = 50 minutes	
		Assemblies (Note: Mezzanine(s) - Sentences 3.2.8.2.(1) and see also Sentences 3.2.1.1.(3) to (7).) Yes N/A	
	a. Open mezzanine (max. 40%). b. Enclosed mezzanine (max. 10% c. Interconnected floor space - (Se		
	d. Interconnected floor space - (Art (Note: see 3.4.3.2.(6) Exits from	ticles 3.2.8.3 to 3.2.8.9) □	
≿	MBC Section 3.3 - Safety within Floor Areas		
SUMMARY	 a. Suite separation (3.3.1.1) b. Major occupancy separation (Table 3.1.3 c. Public corridor (3.3.1.4) 	N/A (Hour) Fire separation	
NUS	d. Dead-end corridor (3.3.1.9) e. Egress doorways (3.3.1.5)	Permitted if less than 6 (m) Sprinklered, 2 egress doors required where occupant load > 60, travel distance to egress door is more than 25m, or area of room ≥200sqm for Group A / 300sqm for Group D & F3)	
CODE (f. Janitor's room (3.3.1.22)	Distance between 2 egress doors must be ≥1/3 max diagonal of room 2 egress doors required from MPR 134 & Stores Warehouse 140 0 (Hour) Fire separation (sprinklered)	
	g. Common laundry room(s) (3.3.1.23) h. Welding and Cutting room(s) (3.3.1.26)	N/A Fire separation (no common laundry room in design)N/A No Welding and Cutting Room provided	
JILDING	i. Repair garage (3.3.5.5) 2hr FS j. Storage garage (3.3.5.6) 1.5hr FS k. Storage of dangerous goods (3.36)	 □ Yes X N/A X Yes □ N/A (wash bay is used as storage garage) □ Yes X N/A (Storage of dangerous goods not permissible in design) 	
	I. Flammable and combustible liquids m. Other hazardous processes	 □ Yes X N/A (Storage of dangerous goods not permissible in design) □ Yes X N/A (None provided in design) 	
	 MBC Section 3.4 - Exits a. Minimum two exits [3.4.2.1.(1)] required. b. Mezzanine exits/egress stairs (3.4.2.2) 	YES Number of exits provided 9 (specify number) N/A (no mezzanine)	
	c. Distance between exits (3.4.2.3) = d. Travel distance (3.4.2.5) =	 > 1/2 diagonal distance (89.8m /2 = 44.9 m) 37.9 m (45 m max) N/A (hr) fire separation (no exit stairs / no exit fire separations required) 	
┢	f. Exit lobby (3.4.4.2) g. Exit capacity (3.4.3.2) - stair (width)	N/A (hr) fire separation (one storey / no exits above or below first storey) N/A mm capacity: N/Amm/person (no stairs, one storey)	
Ш	h. Number of persons/exit i. Exit capacity (3.4.3.2) - door (width)	N/A 14400mm (doors exceed 850mm minimum between stops) capacity: 14400mm / 6.1 mm per person = 2361 persons	
SHE	j. Number of persons/exit k. Horizontal exit (3.4.1.6 and 3.4.6.9). I. Exit schematic provided	2361 / 9 = 2562 □ Yes X N/A X Yes □ N/A (see plan diagram on this sheet)	
လ	MBC Section 3.5 - Vertical Transportation	N/A (Hour) Fire separation	
36	 a. Elevator shaft (3.5.3.1) b. Elevator machine room (3.5.3.3) c. Elevator size (3.5.4.1) - see appendix A 	N/A (Hour) Fire separation N/A (Hour) Fire separation N/A	
2020-13	MBC Section 3.6 - Vertical Service Spacea.Service (furnace) room (3.6.2.1)	1 (Hour) Fire separation	
	 b. Service (other) room(s) (3.6.2.1) c. Incinerator room(s) (3.6.2.4) d. Combustible Refuse (garbage) room(s) (N/A (Hour) Fire separation N/A (Hour) None provided in design 3.6.2.5) N/A (Hour) None provided in design	(17)
 No:	MBC Section 3.7 - Washrooms Fixtures (See 3.7 a. Residential occupancy - 1 washroom/sui	.2.2 and Tables 3.7.2.2 A to C)	889 C 1
⊢∣	Multipurpose Space (Group A2) - Table 3.7.2.2-A b. Occupant Load	A: (note gender neutral washrooms provided) 300 /2 = 150 /sex	
С Ш	d. Lavatory Number R	Required6Number Provided6Required3Number Provided3Required3Number Provided3	NOTE: G.L. 18 IS TO
ОЛЕ СО	Stores Area (Group F3): (served by single gend	equired 2 Number Provided 2 er neutral UTR) maximum 10 /2 = 5 /sex	390
PR	3.7.2.2 (2) Both sexes are permitted to be served b Water closet Number Required	y a single water closet if the occupant load is not more than 10. 1 Number Provided 1	(19)
		l by gender neutral UTR & smaller washrooms) maximum 50 /2 = 25 /sex	
	c. Female Water closet Number R d. Lavatory Number R	Required1Number Provided1Required1Number Provided1Required1Number Provided1	BETWEEN A2 & D OCCUPANCIES
		Required 1 Number Provided 1	NEW ADDITION
Н	 Barrier-free protection (3.3.1.7) - (specify Barrier-free path of travel provided through 	ghout the building (3.8.2.3) X Yes 🗆 No	GROUP D (ADMIN OFFICES) [SPRINKLERED]
STREE	 c. Barrier-free access to upper floor(s) by e d. Barrier-free washrooms are provided (3.8 e. Public entrance doors equipped with pow 	3.2.8) X Yes □ No	
	Building Code Electrical Life Safety Systems a. 3.2.4 - Fire Alarm and Detection Systems		
SINCLAIR	 b. 3.2.7 - Emergency Lighting: Emergency c. 3.4.5 - Exit Signs: Exit signage is require 	lighting is required X Yes 🗆 No	
	Fire Paramedic Service - Fire Prevention Branc Manitoba Building Code 3.2.5 Provisions for Fire Fighting	h - MBC/MFC	
80	 a. Access for fire fighting provided to basen b. Access routes provided for firefighters version 	whicles, including turnaround X Yes 🗆 No (refer to site plan)	
	 c. Location of hydrants indicated. d. Standpipe system is required (3.2.5.8, Tage. Sprinkler system fire department connection. 	tions indicated X Yes	
ы.		X Yes \Box No (refer to site plan & diagram on this sheet)	
ESS:	f. Fire department connection indicated.g. Portable Fire Extinguishers Provided (3.2)		
ADDRESS:			(4)

IPTION

DING WAS CONSTRUCTED IN 1962 AS A SINGLE-STOREY IMNS AND CONCRETE BLOCK WALLS. THE SOUTH WALL OF DS. THE ORIGINAL LOBBY ON THE SOUTH END OF THE ARENA ALLS AND WOOD ROOF JOISTS. A SMALL CANTEEN AND TO THE BUILDING IN 1967, BUILT OF CONCRETE BLOCK WALLS NI GARAGE WAS ADDED AT THE NORTH SIDE OF THE ARENA IN ND WOOD STUD WALLS AND WOOD ROOF TRUSSES. THE LERED.

- EMOLITION OF THE EXISTING LOBBY AND CANTEEN ADDITION A. THE PROJECT ALSO INCLUDES INTERIOR RENOVATIONS AND TING ARENA AND GARAGE. STRUCTURAL, MECHANICAL, AND BE COMPLETED AT THE RENOVATED BUILDING AREAS.
- WASHROOM ADDITION WILL BE CONSTRUCTED TO THE KLERS WILL BE INSTALLED THROUGHOUT THE NEW ARENA, ON. THE NEW ADDITION WILL BE BUILT USING
- E EXISTING BUS LOOP AT SGT. TOMMY PRINCE PLACE WILL PROJECT. THE WORK WILL INCLUDE AN EXTENSION OF THE RADES AND MODIFICATIONS TO THE PARKING AREA LAYOUT, AGE AND STORMWATER MANAGEMENT SYSTEM TO MEET ARDS. A NEW ACCESS LANE WILL CONNECT THE SOUTH T 'YARD' ON THE NORTH SIDE OF THE ARENA.

15.5m travel distance

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EXIT

