

NATIONAL BUILDING CODE MATRIX (2010)

**GRIT TANKS 1 & 2 BUILDING
(NEW BUILDING - ENTIRE BELOW GRADE STRUCTURE)**

NBC REFERENCE
(REFERENCES ARE TO
DIVISION B UNLESS NOTED
[A] FOR DIVISION A OR
[C] FOR DIVISION C

ITEM

1. PROJECT DESCRIPTION: NEW ALTERATION PART 3, 1.3.3.1-.3 [A]
 ADDITION CHANGE OF USE

2. MAJOR OCCUPANCY(S): F-2 MEDIUM HAZARD INDUSTRIAL 3.1.2.1.(1)

3. BUILDING AREA: EXISTING NEW TOTAL 1.4.1.2 [A]
-- 235 235 SQ.M.

4. GROSS AREA: EXISTING NEW TOTAL 1.4.1.2 [A]
-- 235 235 SQ.M.

5. NUMBER OF STOREYS: ABOVE GRADE - 0 BELOW GRADE - 1 1.4.1.2 [A] & 3.2.1.1

6. NUMBER OF STREETS/FIRE FIGHTER ACCESS: 1 3.2.2.10 & 3.2.5

7. BUILDING CLASSIFICATION: GROUP F, DIVISION 2 3.2.2.74

8. SPRINKLER SYSTEM PROPOSED: ENTIRE BUILDING 3.2.2.74
 SELECTED COMPARTMENTS 3.2.1.5
 SELECTED FLOOR AREAS
 BASEMENT
 NOT REQUIRED

9. STANDPIPE REQUIRED: YES NO 3.2.5.8-.12

10. FIRE ALARM REQUIRED: YES NO 3.2.4

11. WATER SERVICE/SUPPLY IS ADEQUATE: YES NO 3.2.5.7

12. HIGH BUILDING YES NO 3.2.6

13. CONSTRUCTION RESTRICTIONS: COMBUSTIBLE NON-COMBUSTIBLE BOTH 3.2.2.20-.83
ACTUAL CONSTRUCTION: COMBUSTIBLE NON-COMBUSTIBLE BOTH

14. MEZZANINE(S) AREA: N/A SQ.M. 3.2.1.1(3)-(8)

15. OCCUPANT LOAD BASED ON: SQ. M. PER PERSON BUILDING DESIGN 3.1.17
(4 PERSONS MAXIMUM , NORMALLY UNOCCUPIED)

16. BARRIER-FREE DESIGN: YES NO 3.8

17. HAZARDOUS SUBSTANCES: YES NO 3.3.1.2 & 3.3.1.20

18. REQUIRED FIRE RESISTANCE RATINGS (FRR): 3.2.2.20-.83 & 3.2.1.4

	FRR (HRS)		LISTED DESIGN NO./DESCRIP.	
	FLOORS	3/4	AS DESIGNED	
HORIZONTAL ASSEMBLIES	ROOF	N/A	N/A	
	MEZZANINE	N/A	N/A	
SUPPORTING ASSEMBLIES	FLOORS	3/4	AS DESIGNED	
	ROOF	N/A	N/A	
	MEZZANINE	N/A	N/A	

19. SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS: SEE ARCHITECTURAL SITE PLAN 3.2.3

20. FIRE RATED SEPARATIONS:

	FIRE SEPARATION REQUIRED (HRS)	FIRE SEPARATION REQUIRED (HRS)
STAIR	1 HR	

21. FIRE FIRE WALL SEPARATION: 3.1.10.1 & 3.1.10.2
FOUR HOURS FIRE RESISTANT RATING WALL CONSISTS OF:
TWO CONCRETE/MASONRY WALLS OF TWO HOURS FRR FOR EACH,
BETWEEN HRC AND EXISTING PRIMARY CLARIFIER BUILDING.



CH2MHILL CANADA Architects Inc. SNC-LAVALIN DESIGNED BY: R. ZAKKO DRAWN BY: R. BATHAN SCALE: NTS DATE: 2017/04/05 CONSULTANT NO.: 474248		ENGINEER'S SEAL CHECKED BY: B. KOLIS-HUPA APPROVED BY: H.T. FRIEHAMMER ISSUED FOR CONSTRUCTION BY: J. SHUMKA DATE: 2017/04/05	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT SOUTH END WATER POLLUTION CONTROL CENTRE SEWPCC UPGRADING/EXPANSION PROJECT BUILDING GRIT TANKS 1 AND 2 BUILDING CODE MATRIX CITY DRAWING NUMBER: 1-0102-BAAA-G003 SHEET: 00 REV: 00 SIZE: A1
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