

NATIONAL BUILDING CODE MATRIX (2010)

SECONDARY CLARIFIERS 4 AND 5
(NEW BUILDING)

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-3 LOW HAZARD INDUSTRIAL 3.1.2.1.(1)

3. BUILDING AREA: EXISTING NEW TOTAL 1.4.1.2 [A]
-- 1125 1125 SQ.M.

4. GROSS AREA: EXISTING NEW TOTAL 1.4.1.2 [A]
BASEMENT -- 1125 1125 SQ.M.
GROUND -- 540 540 SQ.M.
BUILDING-TOTAL 1665 SQ.M.
CLARIFIER TANKS 3440 3440 SQ.M.

5. NUMBER OF STOREYS: ABOVE GRADE - 1 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 3 3.2.2.83

8. SPRINKLER SYSTEM PROPOSED: ENTIRE BUILDING 3.2.2.83
 SELECTED COMPARTMENTS 3.2.1.5
 SELECTED FLOOR AREAS
 BASEMENT
 NOT REQUIRED

9. STANDPIPE REQUIRED: YES NO PROVIDED: YES NO 3.2.5.8-12

10. FIRE ALARM REQUIRED: YES NO PROVIDED: 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 3.2.2.83
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
(NORMALLY UNOCCUPIED - 4 PERSONS)

16. BARRIER-FREE DESIGN: YES NO (NORMALLY UNOCCUPIED) 3.8.1.1

17. HAZARDOUS SUBSTANCES: YES NO 3.3.1.2 & 3.3.1.20

18. REQUIRED FIRE RESISTANCE RATINGS (FRR): 3.2.2.83 & 3.2.1.4

HORIZONTAL ASSEMBLIES	FLOORS	FRR (HRS)	LISTED DESIGN NO./DESCRIP.	SUPPORTING ASSEMBLIES	FLOORS	FRR (HRS)	LISTED DESIGN NO./DESCRIP.
		1	AS DESIGNED			1	AS DESIGNED
	ROOF	N/A	N/A		ROOF	N/A	N/A
	MEZZANINE	N/A	N/A		MEZZANINE	N/A	N/A

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

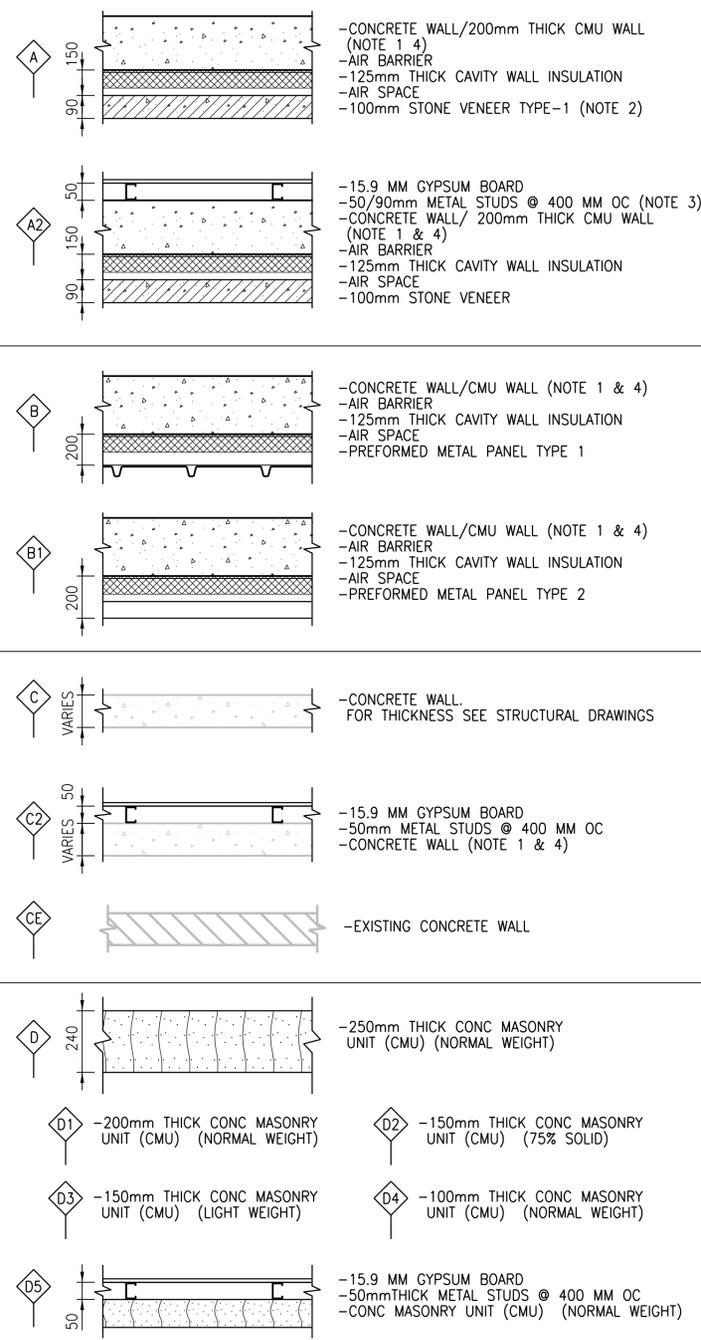
20. FIRE RATED SEPARATIONS:

	FIRE SEPARATION REQUIRED (HRS)	FIRE SEPARATION REQUIRED (HRS)
GALLERY	1 HR	ELECTRICAL ROOM 1 HR
STORAGE ROOM	1 HR	MECHANICAL ROOM 1 HR
STAIRS	1 HR	
WALKWAY	1 HR	

21. FIRE WALL SEPARATION: 3.1.10.1 & 3.1.10.2
TWO HOURS FIRE RESISTANT RATING WALL CONSISTS OF TWO CONCRETE/MASONRY WALLS BETWEEN SECONDARY CLARIFIERS 4 AND 5 AND EXISTING SECONDARY CLARIFIER BUILDING.
TWO HOURS FIRE RESISTANT RATING WALL CONSISTS OF TWO MASONRY WALLS BETWEEN SECONDARY CLARIFIERS 4 AND 5 AND UV BUILDING.

22. POST-DISASTER DESIGN 1.4.1.2
THE BUILDING IS DESIGNED AS POST DISASTER BUILDING

WALL TYPES LEGEND



- NOTES:
- SEE STRUCT DRAWINGS FOR THICKNESS OF CONCRETE
 - USE STONE VENEER TYPE-2 UNDER WINDOWS, LOUVERS AND WHERE INDICATED ON ELEVATIONS
 - AS INDICATED ON DRAWINGS
 - PROVIDE FIRE RESISTANT RATING AS INDICATED ON DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR THE REQUIREMENT OF CONCRETE COVER OVER REINFORCEMENT.
 - PROVIDE FIRE RESISTANT RATING FOR CMU WALLS PER NBC TABLE A-9.10.3.1.A



CH2MHILL CANADA Architects Inc.		ENGINEER'S SEAL		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
DESIGNED BY: R. ZAKKO	CHECKED BY: B. KOLIS-HUPA			SOUTH END WATER POLLUTION CONTROL CENTRE SEWPCC UPGRADING/EXPANSION PROJECT BUILDING SECONDARY CLARIFIERS 4 AND 5 BUILDING CODE MATRIX AND WALL TYPES LEGEND	
DRAWN BY: N. BOYCHUK	APPROVED BY: H.T. FREIHAMMER				
SCALE: AS SHOWN	ISSUED FOR CONSTRUCTION BY: J. SHUMKA	CONSULTANT NO.: 474248			
01 ISSUED FOR ADDENDUM 4 - 976-2016	2017/06/30 R.B. J.C.				
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NO. REVISIONS	DATE DESIGN CHECK				