

A1 SIZE - 594mm x 841mm

NATIONAL BUILDING CODE MATRIX (2010)

GRIT AND SCREENINGS BUILDING
(NEW BUILDING)

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

1. PROJECT DESCRIPTION:	<input checked="" type="checkbox"/> NEW	<input type="checkbox"/> ALTERATION	<input checked="" type="checkbox"/> PART 3, 1.3.3.1-.3 [A]	
	<input type="checkbox"/> ADDITION	<input type="checkbox"/> 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]	
	-- 485 485		SQ.M.	
4. GROSS AREA:	EXISTING NEW TOTAL		1.4.1.2 [A]	
	BASEMENT -- 110 110			
	GROUND -- 485 485			
	UPPER LEVEL (SERVICE PLATFORM) -- 405 405			
	TOTAL 1,000			
5. NUMBER OF STOREYS:	ABOVE GRADE - 2	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:	<input type="checkbox"/> ENTIRE BUILDING		3.2.2.74	
	<input type="checkbox"/> SELECTED COMPARTMENTS		3.2.1.5	
	<input type="checkbox"/> SELECTED FLOOR AREAS			
	<input type="checkbox"/> BASEMENT			
	<input checked="" type="checkbox"/> NOT REQUIRED			
9. STANDPIPE REQUIRED:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	3.2.5.8-.12	
10. FIRE ALARM REQUIRED:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	PROVIDED	3.2.4.2
11. WATER SERVICE/SUPPLY IS ADEQUATE:	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	3.2.5.7	
12. HIGH BUILDING	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	3.2.6	
13. CONSTRUCTION RESTRICTIONS:	<input type="checkbox"/> COMBUSTIBLE	<input checked="" type="checkbox"/> NON-COMBUSTIBLE	<input type="checkbox"/> BOTH	3.2.2.74
ACTUAL CONSTRUCTION:	<input type="checkbox"/> COMBUSTIBLE	<input checked="" type="checkbox"/> NON-COMBUSTIBLE	<input type="checkbox"/> BOTH	
14. MEZZANINE(S) AREA:	N/A	SQ.M.	3.2.1.1(3)-(8)	
15. OCCUPANT LOAD BASED ON:	<input type="checkbox"/> SQ. M. PER PERSON	<input checked="" type="checkbox"/> BUILDING DESIGN	3.1.17	
	(4 PERSONS MAXIMUM, NORMALLY UNOCCUPIED)			
16. BARRIER-FREE DESIGN:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	(NORMALLY UNOCCUPIED)	3.8
17. HAZARDOUS SUBSTANCES:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	3.3.1.2 & 3.3.1.20	
18. REQUIRED FIRE RESISTANCE RATINGS (FRR):			3.2.2.74 & 3.2.1.4	
	FRR (HRS)	LISTED DESIGN NO./DESCRIP.	FRR (HRS)	LISTED DESIGN NO./DESCRIP.
HORIZONTAL ASSEMBLIES	FLOORS 1	AS DESIGNED	FLOORS 1	AS DESIGNED
	ROOF N/A	NON-COMB.	ROOF N/A	NON-COMB.
	MEZZANINE N/A	N/A	MEZZANINE N/A	N/A
SUPPORTING ASSEMBLIES				
19. SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS:			3.2.3	
	SEE ARCHITECTURAL SITE PLAN			
20. FIRE RATED SEPARATIONS:				
	CABLE SERVICE ROOM	1 HR		
	STAIRS 1 AND 2	1.5 HR	01	
	LOADING BAY	1.5 HR	01	
	GRIT/SCREENING ELECTRICAL ROOM	1 HR		
	MECHANICAL ROOM	1 HR	01	
	JANITOR'S ROOM	1 HR		
21. FIRE WALL SEPARATION:			3.1.10.1 & 3.1.10.2	
	FOUR HOURS RATED FIRE WALL BETWEEN GRIT AND SCREENINGS BUILDING AND EXISTING GRIT BUILDING AND SERVICE BUILDING.			
22. POST-DISASTER DESIGN			1.4.1.2	
	THE BUILDING IS DESIGNED AS POST DISASTER BUILDING			

NATIONAL BUILDING CODE MATRIX 2010

RENOVATION OF EXISTING GRIT BUILDING

LOCATION: CITY OF WINNIPEG
PROJECT : SEWPCC UPGRADING/EXPANSION PROJECT
GRIT BUILDING

11.1	EXISTING BUILDING CLASSIFICATION:	DESCRIBE EXISTING USE: CONSTRUCTION INDEX: HAZARD INDEX: <input checked="" type="checkbox"/> NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY)	11.2.1 T11.2.1.1A T11.2.1.1B TO N
11.2	ALTERATIONS TO EXISTING BUILDING IS:	BASIC RENOVATION <input checked="" type="checkbox"/> EXTENSIVE RENOVATION <input type="checkbox"/>	11.3.3.1 11.3.3.2
11.3	REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY CHANGE OF MAJOR OCCUPANCY: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES PLUMBING : <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES SEWAGE SYSTEM: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	11.4.2 11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
11.4	COMPENSATING CONSTRUCTION:	STRUCTURAL: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) BY INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) BY CHANGE OF MAJOR OCCUPANCY: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) PLUMBING : <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) SEWAGE SYSTEM: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)	11.4.3 11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 11.4.3.6
11.5	COMPLIANCE ALTERNATIVES PROPOSED:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (GIVE NUMBER (S))	11.5.1

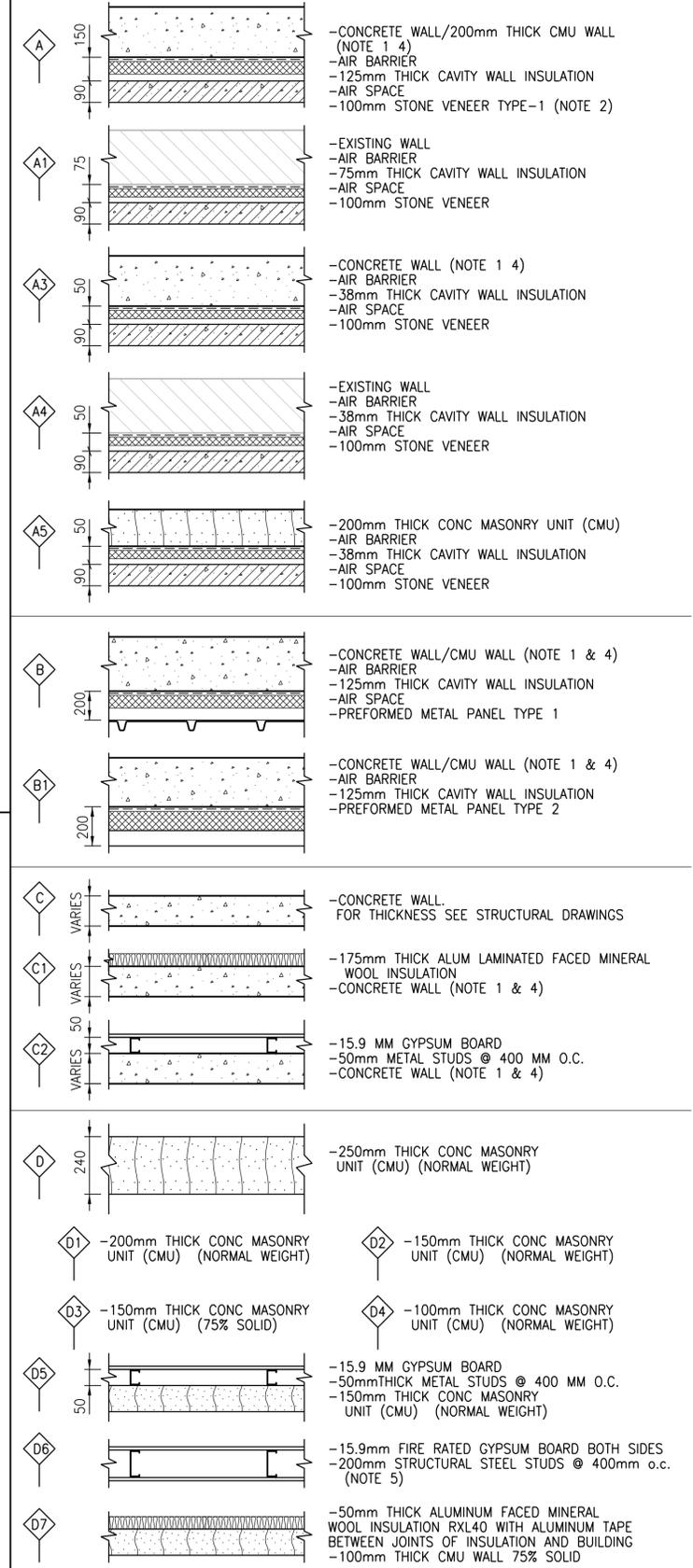
NATIONAL BUILDING CODE MATRIX 2010

RENOVATION OF EXISTING SCREEN BUILDING

LOCATION: CITY OF WINNIPEG
PROJECT : SEWPCC UPGRADING/EXPANSION PROJECT
SCREEN BUILDING

11.1	EXISTING BUILDING CLASSIFICATION:	DESCRIBE EXISTING USE: CONSTRUCTION INDEX: HAZARD INDEX: <input checked="" type="checkbox"/> NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY)	11.2.1 T11.2.1.1A T11.2.1.1B TO N
11.2	ALTERATIONS TO EXISTING BUILDING IS:	BASIC RENOVATION <input checked="" type="checkbox"/> EXTENSIVE RENOVATION <input type="checkbox"/>	11.3.3.1 11.3.3.2
11.3	REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES BY CHANGE OF MAJOR OCCUPANCY: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES PLUMBING : <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES SEWAGE SYSTEM: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	11.4.2 11.4.2.1 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
11.4	COMPENSATING CONSTRUCTION:	STRUCTURAL: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) BY INCREASE IN OCCUPANT LOAD: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) BY CHANGE OF MAJOR OCCUPANCY: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) PLUMBING : <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN) SEWAGE SYSTEM: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (EXPLAIN)	11.4.3 11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 11.4.3.6
11.5	COMPLIANCE ALTERNATIVES PROPOSED:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (GIVE NUMBER (S))	11.5.1

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.
- FOR FIRE RATED LOAD BEARING WALLS, INSTALL WALL ASSEMBLY PER ULC DESIGN NO. W424



CH2MHILL CANADA Architects Inc.		KCS GROUP CONSULTANTS	
DESIGNED BY: R. ZAKKO	CHECKED BY: B. KOLIS-HUPA		
DRAWN BY: J. LIN	APPROVED BY: H.T. FRIEHAMMER		
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: J. SHUMKA	DATE: 2017/04/05 DATE: 2017/04/05	
01 ISSUED FOR ADDENDUM 4 - 976-2016 2017/06/30 R.B. J.C. 00 ISSUED FOR CONSTRUCTION - 976-2016 2017/04/05 J.L. J.C.		CONSULTANT NO.: 474248	
THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT		SOUTH END WATER POLLUTION CONTROL CENTRE SEWPCC UPGRADING/EXPANSION PROJECT BUILDING GRIT AND SCREENINGS BUILDING BUILDING CODE MATRIX AND WALL TYPES LEGEND	
CITY DRAWING NUMBER 1-0102-BAAA-G001		SHEET 01	REV. SIZE A1

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