NATIONAL BUILDING CODE MATRIX (2010)	NATIONAL BUILDING CODE MATRIX 2010	WALL TYPES LEGEND
GRIT AND SCREENINGS BUILDING NBC REFERENCE (REFERENCES ARE TO	RENOVATION OF EXISTING GRIT BUILDING	→ SI → A A A A A A A A A A A A A A A A A A
DIVISION B UNLESS NOTED [A] FOR DIVISION A OR	LOCATION: CITY OF WINNIPEG PROJECT : SEWPCC UPGRADING/EXPANSION PROJECT	(NOTE 1 4) —AIR BARRIER —125mm THICK CAVITY WALL INSULATION
TEM ITEM	GRIT BUILDING ITEM NBC CODE REFERENCE	-125mm Thick CAVITY WALL INSULATION -AIR SPACE -100mm STONE VENEER TYPE-1 (NOTE 2)
1. PROJECT NEW ALTERATION PART 3, 1.3.3.13 [A] DESCRIPTION:	DESCRIBE EXISTING USE: 11.2.1 CONSTRUCTION INDEX:	-EXISTING WALL
2. MAJOR OCCUPANCY(S): F-2 MEDIUM HAZARD INDUSTRIAL 3.1.2.1.(1)	11.1 CLASSIFICATION: HAZARD INDEX: T11.2.1.1B TO N	A1 -AIR BARRIER -75mm THICK CAVITY WALL INSULATION -AIR SPACE
3. BUILDING AREA: EXISTING NEW TOTAL 1.4.1.2 [A]	AI TERATIONS TO BASIC RENOVATION 11.3.3.1	-100mm STONE VENEER
485 485 SQ.M.	11.2 ALTERATIONS TO EXISTING BUILDING IS: BASIC RENOVATION (INC.) EXTENSIVE RENOVATION (INC.) 11.3.3.1 11.3.3.2	-CONCRETE WALL (NOTE 1 4)
4. GROSS AREA: EXISTING NEW TOTAL 1.4.1.2 [A] BASEMENT 110 110	REDUCTION IN 11.4.2	-38mm THICK CAVITY WALL INSULATION -AIR SPACE
GROUND 485 485 UPPER LEVEL (SERVICE PLATFORM) 405 405	11.3 PERFORMANCE LEVEL: STRUCTURAL: NO YES 11.4.2.1	-100mm STONE VENEER
TOTAL 1,000	BY INCREASE IN OCCUPANT LOAD: NO YES 11.4.2.2 BY CHANGE OF MAJOR OCCUPANCY: NO YES 11.4.2.3	ーEXISTING WALL
5. NUMBER OF STOREYS: ABOVE GRADE - 2 BELOW GRADE - 1 1.4.1.2 [A] & 3.2.1.1	PLUMBING: NO YES 11.4.2.4	-AIR BARRIER -38mm THICK CAVITY WALL INSULATION -AIR SPACE
6. NUMBER OF STREETS/FIRE FIGHTER ACCESS: 1 3.2.2.10 & 3.2.5	SEWAGE SYSTEM: NO YES 11.4.2.5	- 100mm STONE VENEER
7. BUILDING CLASSIFICATION: GROUP F , DIVISION 2 3.2.2.74	11.4 COMPENSATING CONSTRUCTION:	
8. SPRINKLER SYSTEM ENTIRE BUILDING 3.2.2.74 PROPOSED: SELECTED COMPARTMENTS 3.2.1.5	STRUCTURAL: NO YES (EXPLAIN) 11.4.3.2 BY INCREASE IN OCCUPANT LOAD: NO YES (EXPLAIN) 11.4.3.3	-200mm THICK CONC MASONRY UNIT (CMU) -AIR BARRIER -38mm THICK CAVITY WALL INSULATION
SELECTED FLOOR AREAS	BY CHANGE OF MAJOR OCCUPANCY: NO YES (EXPLAIN) 11.4.3.4	-AIR SPACE -100mm STONE VENEER
☐ BASEMENT NOT REQUIRED	PLUMBING: NO YES (EXPLAIN) 11.4.35 SEWAGE SYSTEM: NO YES (EXPLAIN) 11.4.3.6	
9. STANDPIPE REQUIRED: YES NO 3.2.5.812	COMPLIANCE NO 11.5.1	B → CONCRETE WALL/CMU WALL (NOTE 1 & 4) HE H
10. FIRE ALARM REQUIRED: YES NO PROVIDED 3.2.4.2	PROPOSED: YES (GIVE NUMBER (S))	−125mm THICK CAVITY WALL INSULATION −AIR SPACE −PREFORMED METAL PANEL TYPE 1
11. WATER SERVICE/ SUPPLY IS ADEQUATE: 3.2.5.7		CONCRETE WALL/CMU WALL (NOTE 1 & 4) -CONCRETE WALL/CMU WALL (NOTE 1 & 4) SOURCE TE WALL/CMU WALL (NOTE 1 & 4)
12. HIGH BUILDING YES NO 3.2.6	NATIONAL BUILDING CODE MATRIX 2010	BI) -AIR BARRIER -AIR BARRIER -125mm THICK CAVITY WALL INSULATION
13. CONSTRUCTION COMBUSTIBLE NON-COMBUSTIBLE BOTH 3.2.2.74 RESTRICTIONS:	RENOVATION OF EXISTING SCREEN BUILDING	-PREFORMED METAL PANEL TYPE 2 SOLUTION SITE OF THE PANEL TYPE 2 SOLUTION SITE OF THE PANEL TYPE 2
ACTUAL COMBUSTIBLE NON-COMBUSTIBLE BOTH CONSTRUCTION:	LOCATION: CITY OF WINNIPEG PROJECT : SEWPCC UPGRADING/EXPANSION PROJECT	NDICAT O STR
14. MEZZANINE(S) AREA: N/A SQ.M. 3.2.1.1(3)−(8) 15. OCCUPANT LOAD SQ. M. PER PERSON BUILDING DESIGN 3.1.17	SCREEN BUILDING ITEM NBC CODE REFERENCE	-CONCRETE WALL. FOR THICKNESS SEE STRUCTURAL DRAWINGS
15. OCCUPANT LOAD SQ. M. PER PERSON ⊠ BUILDING DESIGN 3.1.17 BASED ON: (4 PERSONS MAXIMUM , NORMALLY UNOCCUPIED)	DESCRIBE EXISTING USE: CONSTRUCTION INDEX: T11.2.1	C1 S WOOL INSULATION C1 S C1 S C2 S C3 S C4 S
16. BARRIER-FREE DESIGN: YES NO (NORMALLY UNOCCUPIED) 3.8	11.1 EXISTING BUILDING CLASSIFICATION: HAZARD INDEX: NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY) T11.2.1.1A T11.2.1.1B TO N	WOOL INSULATION -CONCRETE WALL (NOTE 1 & 4) WOOL INSULATION -CONCRETE WALL (NOTE 1 & 4)
17. HAZARDOUS SUBSTANCES: YES NO 3.3.1.2 & 3.3.1.20		-15.9 MM GYPSUM BOARD -50mm METAL STUDS @ 400 MM 0 C
18. REQUIRED FIRE RESISTANCE RATINGS (FRR): LISTED FRR DESIGN NO./ FRR DESIGN NO./ The second of the problem of the proble	11.2 ALTERATIONS TO EXISTING BUILDING IS: BASIC RENOVATION (INC.) EXTENSIVE RENOVATION (INC.) 11.3.3.1	-50mm METAL STUDS @ 400 MM O.CCONCRETE WALL (NOTE 1 & 4)
FRR DESIGN NO./ (HRS) DESCRIP. FLOORS 1 AS DESIGNED FLOORS 1 AS DESIGNED	11.3 REDUCTION IN PERFORMANCE LEVEL:	XKNESS WALLS, IN WALLS, IN
HORIZONTAL ASSEMBLIES ROOF N/A NON-COMB. SUPPORTING ASSEMBLIES ROOF N/A NON-COMB.	STRUCTURAL: NO YES 11.4.2.1	D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
19. SPATIAL SEPARATION – CONSTRUCTION OF EXTERIOR WALLS: 3.2.3	BY INCREASE IN OCCUPANT LOAD: NO YES 11.4.2.2 BY CHANGE OF MAJOR OCCUPANCY: NO YES 11.4.2.3	GS FO TYPE- AD BE.
SEE ARCHITECTURAL SITE PLAN	PLUMBING: NO TYES 11.4.2.4	D1 -200mm THICK CONC MASONRY D2 -150mm THICK CONC MASONRY UNIT (CMU) (NORMAL WEIGHT)
20. FIRE RATED SEPARATIONS: FIRE SEPARATION FIRE SEPARATION REQUIRED (HRS) REQUIRED (HRS)	SEWAGE SYSTEM: NO YES 11.4.2.5	CUCT I CONTRACT CONTR
CABLE SERVICE ROOM 1 HR MECHANICAL ROOM 1 HR 01	11.4 COMPENSATING CONSTRUCTION: 11.4.3 STRUCTURAL: NO YES (EXPLAIN) 11.4.3.2	UNIT (CMU) (75% SOLID) O3 -150mm THICK CONC MASONRY UNIT (CMU) (NORMAL WEIGHT) S3 UNIT (CMU) (75% SOLID) S4 UNIT (CMU) (NORMAL WEIGHT)
STAIRS 1 AND 2 (1.5 HR) 1 AND 2 (1.5 HR) 2 I ANITOR'S ROOM 1 HR	BY INCREASE IN OCCUPANT LOAD: NO YES (EXPLAIN) 11.4.3.3	-15.9 MM GYPSUM BOARD -50mmTHICK METAL STUDS @ 400 MM O.C.
GRIT/SCREENING ELECTRICAL ROOM 1 HR	BY CHANGE OF MAJOR OCCUPANCY: NO YES (EXPLAIN) 11.4.3.4 PLUMBING: NO YES (EXPLAIN) 11.4.35	-150mm THICK CONC MASONRY UNIT (CMU) (NORMAL WEIGHT)
21. FIRE WALL SEPARATION: 3.1.10.1 & 3.1.10.2	SEWAGE SYSTEM: NO YES (EXPLAIN) 11.4.3.6	-15.9mm FIRE RATED GYPSUM BOARD BOTH SIDES -200mm STRUCTURAL STEEL STUDS @ 400mm o.c.
FOUR HOURS RATED FIRE WALL BETWEEN GRIT AND	11.5 COMPLIANCE ALTERNATIVES NO	(NOTE 5)
SCREENINGS BUILDING AND EXISTING GRIT BUILDING AND SERVICE BUILDING.	PROPOSED: YES (GIVE NUMBER (S))	07 -50mm THICK ALUMINUM FACED MINERAL WOOL INSULATION RXL40 WITH ALUMINUM TAPE BETWEEN JOINTS OF INSULATION AND BUILDING
22. POST-DISASTER DESIGN THE BUILDING IS DESIGNED AS POST DISASTER BUILDING 1.4.1.2		CH2MHILL CANADA ENGINEER'S SEAL CH2MHILL CANADA ENGINEER'S SEAL CH2MHILL CANADA CH2MHILL CA
		Architects Inc. Winnipeg WATER AND WASTE DEPARTMENT
		DESIGNED BY: R. ZAKKO B. KOLIS-HUPA SNC-LAVALIN CHECKED BY: SOUTH END WATER POLLUTION CONTROL CENTRE
		DRAWN BY: J. LIN H.T. FRIEHAMMER REID SEWPCC UPGRADING/EXPANSION PROJECT BUILDING TAKKO
	Certificate of Authorization CH2M HILL Canada Ltd. O1 ISSUED FOR ADDENDUM 4 - 976-2016 2017/06	BY: J. SHUMKA SHUMKA BUILDING CODE MATRIX AND WALL TYPES LEGEND
	No. 1441 00 ISSUED FOR CONSTRUCTION - 976-2016 2017/04 No. REVISIONS DATE	705 J.L. J.C. CONSULTANT NO.: 474248 DESIGN CHECK CONSULTANT NO.: 474248 The 30 I I I I I I I I I I I I I I I I I I
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