NATIONAL BUILDING CODE MATRIX (2010)	NATIONAL BUILDING CODE MATRIX 2010	WALL TYPES LEGEND
GRIT AND SCREENINGS BUILDING (NEW BUILDING) NBC REFERENCE (REFERENCES ARE TO DIVISION B UNLESS NOTED [A] FOR DIVISION A OR [C] FOR DIVISON C	RENOVATION OF EXISTING GRIT BUILDING LOCATION: CITY OF WINNIPEG PROJECT: SEWPCC UPGRADING/EXPANSION PROJECT GRIT BUILDING ITEM	-CONCRETE WALL/200mm THICK CMU WALL (NOTE 1 4) -AIR BARRIER -125mm THICK CAVITY WALL INSULATION -AIR SPACE
1. PROJECT NEW ALTERATION PART 3, 1.3.3.13 [A] 2. MAJOR OCCUPANCY(S): F-2 MEDIUM HAZARD INDUSTRIAL 3. BUILDING AREA: EXISTING NEW TOTAL 1.4.1.2 [A]	11.1 EXISTING BUILDING CLASSIFICATION: DESCRIBE EXISTING USE: CONSTRUCTION INDEX: HAZARD INDEX: NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY) 11.2.1 T11.2.1.1B TO N	-100mm STONE VENEER TYPE-1 (NOTE 2) -EXISTING WALL -AIR BARRIER -75mm THICK CAVITY WALL INSULATION -AIR SPACE -100mm STONE VENEER
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	ALTERATIONS TO EXISTING BUILDING IS: REDUCTION IN PERFORMANCE LEVEL: STRUCTURAL: BASIC RENOVATION 11.3.3.1 11.3.3.2 11.4.2 NO YES 11.4.2.1	-CONCRETE WALL (NOTE 1 4) -AIR BARRIER -38mm THICK CAVITY WALL INSULATION -AIR SPACE -100mm STONE VENEER
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	BY INCREASE IN OCCUPANT LOAD: NO YES 11.4.2.2 BY CHANGE OF MAJOR OCCUPANCY: NO YES 11.4.2.3 PLUMBING: NO YES 11.4.2.4 SEWAGE SYSTEM: NO YES 11.4.2.5	-EXISTING WALL -AIR BARRIER -38mm THICK CAVITY WALL INSULATION -AIR SPACE -100mm STONE VENEER
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	11.4 COMPENSATING CONSTRUCTION: STRUCTURAL: BY INCREASE IN OCCUPANT LOAD: BY CHANGE OF MAJOR OCCUPANCY: NO YES (EXPLAIN) 11.4.3.2 BY CHANGE OF MAJOR OCCUPANCY: NO YES (EXPLAIN) 11.4.3.3 PLUMBING: NO YES (EXPLAIN) 11.4.3.6	-200mm THICK CONC MASONRY UNIT (CMU) -AIR BARRIER -38mm THICK CAVITY WALL INSULATION -AIR SPACE -100mm STONE VENEER
9. STANDPIPE REQUIRED:	11.5 COMPLIANCE ALTERNATIVES PROPOSED: NO YES (GIVE NUMBER (S))	-CONCRETE WALL/CMU WALL (NOTE 1 & 4) -AIR BARRIER -125mm THICK CAVITY WALL INSULATION -AIR SPACE -PREFORMED METAL PANEL TYPE 1
SUPPLY IS ADEQUATE: 12. HIGH BUILDING 13. CONSTRUCTION COMBUSTIBLE NON—COMBUSTIBLE BOTH 3.2.2.74	NATIONAL BUILDING CODE MATRIX 2010	-CONCRETE WALL/CMU WALL (NOTE 1 & 4) -AIR BARRIER -125mm THICK CAVITY WALL INSULATION -PREFORMED METAL PANEL TYPE 2
RESTRICTIONS: ACTUAL CONSTRUCTION: 14. MEZZANINE(S) AREA: N/A SQ.M. SQ.M. SQ.M. SOURCE SHOULD SHOULD SOURCE SOURC	RENOVATION OF EXISTING SCREEN BUILDING LOCATION: CITY OF WINNIPEG PROJECT: SEWPCC UPGRADING/EXPANSION PROJECT SCREEN BUILDING ITEM	- CONCRETE WALL: FOR THICKNESS SEE STRUCTURAL DRAWINGS - CONCRETE WALL: FOR THICKNESS SEE STRUCTURAL DRAWINGS
BASED ON: (4 PERSONS MAXIMUM , NORMALLY UNOCCUPIED) 16. BARRIER-FREE DESIGN: 17. HAZARDOUS SUBSTANCES: YES NO (NORMALLY UNOCCUPIED) 3.1.17 3.1.17 3.1.17	11.1 EXISTING BUILDING CLASSIFICATION: DESCRIBE EXISTING USE: CONSTRUCTION INDEX: HAZARD INDEX: NOT APPLICABLE (NO CHANGE OF MAJOR OCCUPANCY) 11.2.1 T11.2.1.1B TO N	TOUNGERS MAN ON DRAWINGS. Read to the contract of the contract
18. REQUIRED FIRE RESISTANCE RATINGS (FRR): Solution 18. REQUIRED FIRE RESISTANCE RATINGS (FRR): LISTED FRR DESIGN NO./ (HRS) DESCRIP. 3.2.2.74 & 3.2.1.4 LISTED FRR DESIGN NO./ (HRS) DESCRIP.	11.2 ALTERATIONS TO EXISTING BUILDING IS: BASIC RENOVATION EXTENSIVE RENOVATION 11.3.3.1 11.4.2	-15.9 MM GYPSUM BOARD -50mm METAL STUDS @ 400 MM O.CCONCRETE WALL (NOTE 1 & 4)
HORIZONTAL AS DESIGNED ROOF N/A NON-COMB. MEZZANINE N/A N/A 19. SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS: SEE ARCHITECTURAL SITE PLAN SEE STATES SERVENCES FLOORS 1 AS DESIGNED ROOF N/A NON-COMB. MEZZANINE N/A N/A 19. SPATIAL SEPARATION - CONSTRUCTION OF EXTERIOR WALLS: SEE ARCHITECTURAL SITE PLAN	STRUCTURAL: BY INCREASE IN OCCUPANT LOAD: BY CHANGE OF MAJOR OCCUPANCY: PLUMBING: SEWAGE SYSTEM: NO YES 11.4.2.1 11.4.2.1 11.4.2.1 NO YES 11.4.2.2 11.4.2.3 NO YES 11.4.2.3	-250mm THICK CONC MASONRY UNIT (CMU) (NORMAL WEIGHT)
20. FIRE RATED SEPARATIONS: FIRE SEPARATION REQUIRED (HRS) CABLE SERVICE ROOM 1 HR MECHANICAL ROOM 1.5 HR O1 LOADING BAY GRIT/SCREENING ELECTRICAL ROOM 1 HR FIRE SEPARATION REQUIRED (HRS) MECHANICAL ROOM 1 HR JANITOR'S ROOM 1 HR	11.4 COMPENSATING CONSTRUCTION: STRUCTURAL: BY INCREASE IN OCCUPANT LOAD: BY CHANGE OF MAJOR OCCUPANCY: NO YES (EXPLAIN) 11.4.3.2 BY CHANGE OF MAJOR OCCUPANCY: NO YES (EXPLAIN) 11.4.3.3 PLUMBING:	D3 -150mm THICK CONC MASONRY UNIT (CMU) (75% SOLID) -15.9 MM GYPSUM BOARD -50mmTHICK METAL STUDS @ 400 MM O.C150mm THICK CONC MASONRY UNIT (CMU) (NORMAL WEIGHT) -15.9 MM GYPSUM BOARD -50mmTHICK CONC MASONRY UNIT (CMU) (NORMAL WEIGHT)
21. FIRE WALL SEPARATION: 5.1.10.1 & 3.1.10.2 FOUR HOURS RATED FIRE WALL BETWEEN GRIT AND SCREENINGS BUILDING AND EXISTING GRIT BUILDING AND SERVICE BUILDING.	SEWAGE SYSTEM: NO	-15.9mm FIRE RATED GYPSUM BOARD BOTH SIDES -200mm STRUCTURAL STEEL STUDS @ 400mm o.c. (NOTE 5) -50mm THICK ALUMINUM FACED MINERAL WOOL INSULATION RXL40 WITH ALUMINUM TAPE BETWEEN JOINTS OF INSULATION AND BUILDING -150mm THICK CMU WALL 75% SOLID
22. POST-DISASTER DESIGN THE BUILDING IS DESIGNED AS POST DISASTER BUILDING 1.4.1.2		CH2MHILL CANADA Architects Inc. SNC·LAVALIN DESIGNED BY: R. ZAKKO B. KOLIS-HUPA CH2MHILL CANADA Architect's SEAL WINNIPEG WATER AND WASTE DEPARTMENT SOUTH END WATER POLLUTION CONTROL CENTRE
	CH2M HILL Canada Ltd. 01 ISSUED FOR ADDENDUM 4 - 976-2016 2017/06 No. 1441 00 ISSUED FOR CONSTRUCTION - 976-2016 2017/04	DRAWN BY: J. LIN H.T. FRIEHAMMER SCALE: NTS SCALE: NTS SCALE: NTS DRAWN BY: APPROVED BY: H.T. FRIEHAMMER SCALE: DATE: 0.04.7 (0.4 (0.5) BY: J. SHUMKA BY: DATE: 0.04.7 (0.4 (0.5)

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