

# ASSEMBLY TYPES

## INTERIOR WALL TYPES

<b>W1</b>	<b>190 CMU TO 4400 A.F.F.</b> <ul style="list-style-type: none"><li>190MM CONCRETE MASONRY UNITS SINGLE WYTHE</li></ul>
<b>W1A</b>	<b>190 CMU TO 4400 A.F.F. (PLUMBING WALL)</b> <ul style="list-style-type: none"><li>190MM CONCRETE MASONRY UNITS SINGLE WYTHE</li><li>152MM STEEL STUD FRAMING @ 400MM O.C.</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li></ul>
<b>W2A</b>	<b>GWB ON 92 STEEL STUD PLWD ONE SIDE</b> <ul style="list-style-type: none"><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li></ul>
<b>W2AP</b>	<b>GWB ON 92 STEEL STUD PLWD ONE SIDE</b> <ul style="list-style-type: none"><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>16MM GYPSUM WALL BOARD</li><li>16mm VENEER CORE PLWD PANNELLING STAIN COLOUR AS PER SPEC, CLEAR FINISH</li></ul>
<b>W2B</b>	<b>GWB ON 92 STEEL STUD PLWD BOTH SIDES</b> <ul style="list-style-type: none"><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li></ul>
<b>W2C</b>	<b>GWB ON 92 STEEL STUD PLWD BOTH SIDES (INVERTED ONE SIDE)</b> <ul style="list-style-type: none"><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>16MM GYPSUM WALL BOARD</li><li>16MM G1S PLYWOOD</li></ul> <p>1 HR FRR</p>
<b>W2D</b>	<b>GWB ON 92 STEEL STUD PLWD BOTH SIDES (INVERTED ONE SIDE)</b> <ul style="list-style-type: none"><li>16MM ABUSE RESISTANT TYPE-X GYPSUM WALL BOARD</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>FILL CAVITY WITH 92MM MINERAL FIBRE INSULATION</li><li>16MM TYPE-X GYPSUM WALL BOARD</li><li>16MM G1S PLYWOOD</li></ul> <p>1 HR FRR</p>
<b>W2E</b>	<b>GWB ON 92 STEEL STUD PLWD BOTH SIDES (INVERTED BOTH SIDES)</b> <ul style="list-style-type: none"><li>16MM G1S PLYWOOD</li><li>16MM TYPE-X GYPSUM WALL BOARD</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>FILL CAVITY WITH 92MM MINERAL FIBRE INSULATION</li><li>16MM TYPE-X GYPSUM WALL BOARD</li><li>16MM G1S PLYWOOD</li></ul>
<b>W2F</b>	<b>GWB ON 92 STEEL STUD PLWD BOTH SIDES (INVERTED BOTH SIDES)</b> <ul style="list-style-type: none"><li>16MM G1S PLYWOOD</li><li>16MM GYPSUM WALL BOARD</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>FILL CAVITY WITH 92MM MINERAL FIBRE INSULATION</li><li>16MM GYPSUM WALL BOARD</li><li>16MM G1S PLYWOOD</li></ul>
<b>W3</b>	<b>GWB ON 152 STEEL STUD PLWD BOTH SIDES</b> <ul style="list-style-type: none"><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>152MM STEEL STUD FRAMING @ 400MM O.C.</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li></ul>
<b>W3A</b>	<b>GWB ON 152 STEEL STUD PLWD ONE SIDE (INVERTED)</b> <ul style="list-style-type: none"><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>16MM GYPSUM WALL BOARD</li><li>16MM G1S PLYWOOD</li></ul> <p>1 HR FRR</p>
<b>W3B</b>	<b>GWB ON 152 STEEL STUD PLWD ONE SIDE (INVERTED)</b> <ul style="list-style-type: none"><li>16MM ABUSE RESISTANT TYPE-X GYPSUM WALL BOARD</li><li>152MM STEEL STUD FRAMING @ 400MM O.C.</li><li>16MM TYPE-X GYPSUM WALL BOARD</li><li>16MM G1S PLYWOOD</li></ul> <p>1 HR FRR</p>
<b>W3C</b>	<b>GWB ON 152 STEEL STUD PLWD BOTH SIDES (INVERTED)</b> <ul style="list-style-type: none"><li>16MM G1S PLYWOOD</li><li>16MM TYPE-X GYPSUM WALL BOARD</li><li>92MM STEEL STUD FRAMING @ 400MM O.C.</li><li>FILL CAVITY WITH 92MM MINERAL FIBRE INSULATION</li><li>16MM TYPE-X GYPSUM WALL BOARD</li><li>16MM G1S PLYWOOD</li></ul>

## FOUNDATION WALL TYPES

<b>EW4</b>	<b>FOUNDATION WALL R20</b> <ul style="list-style-type: none"><li>13mm FIBRE REINF. CONCRETE BD. C/W METAL REVEAL</li><li>PLASTIC DRAINAGE MAT</li><li>102mm TYPE 4 XPS RIGID INSULATION</li><li>FLUID-APPLIED DAMP-PROOFING</li><li>CONCRETE GRADE BEAM (SEE STRUCTURAL)</li></ul>
<b>EW4A</b>	<b>FOUNDATION WALL R20</b> <ul style="list-style-type: none"><li>13mm FIBRE REINF. CONCRETE BD. C/W METAL REVEAL</li><li>PLASTIC DRAINAGE MAT</li><li>64mm TYPE 4 XPS RIGID INSULATION</li><li>FLUID-APPLIED DAMP-PROOFING</li><li>CONCRETE GRADE BEAM (REFER TO STRUCTURAL)</li><li>38mm TYPE 4 XPS RIGID INSULATION</li></ul>

## EXTERIOR WALL TYPES

<b>EW1</b>	<b>CEMENTITIOUS COMPOSITE EXTERIOR WALL CLADDING ON CMU INFILL</b> <ul style="list-style-type: none"><li>CEMENTITIOUS COMPOSITE EXTERIOR WALL CLADDING</li><li>25MM AIR SPACE</li><li>102MM POLYISOCYANURATE RIGID INSULATION</li><li>127MM VERTICAL GALVANIZED METAL Z-GIRT FRAMING @ 400mm O.C.</li><li>FULLY ADHERED AIR / VAPOUR BARRIER MEMBRANE</li><li>190MM CONCRETE MASONRY UNITS SINGLE WYTHE BETWEEN STEEL COLUMNS TO 3400 AFF</li></ul>
<b>EW1A</b>	<b>CEMENTITIOUS COMPOSITE EXTERIOR WALL CLADDING ON STEEL STUD INFILL</b> <ul style="list-style-type: none"><li>CEMENTITIOUS COMPOSITE EXTERIOR WALL CLADDING</li><li>25MM AIR SPACE</li><li>102MM POLYISOCYANURATE RIGID INSULATION</li><li>127MM VERTICAL GALVANIZED METAL Z-GIRT FRAMING @ 400MM O.C.</li><li>FULLY ADHERED AIR / VAPOUR BARRIER MEMBRANE</li><li>18MM EXTERIOR GRADE GLASS FIBRE-REINFORCED GYPSUM SHEATHING</li><li>152MM STEEL STUD FRAMING @ 400MM O.C. ABOVE 3400 AFF</li><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li></ul>
<b>EW1B</b>	<b>CEMENTITIOUS COMPOSITE EXTERIOR WALL CLADDING ON STEEL STUD INFILL</b> <ul style="list-style-type: none"><li>CEMENTITIOUS COMPOSITE EXTERIOR WALL CLADDING</li><li>25MM AIR SPACE</li><li>102MM POLYISOCYANURATE RIGID INSULATION</li><li>127MM VERTICAL GALVANIZED METAL Z-GIRT FRAMING @ 400MM O.C.</li><li>FULLY ADHERED VAPOUR BARRIER MEMBRANE</li><li>18MM EXTERIOR GRADE GLASS FIBRE-REINFORCED GYPSUM SHEATHING</li><li>152MM STEEL STUD FRAMING @ 400MM O.C. ABOVE 3400 AFF</li><li>16MM GYPSUM WALL BOARD</li><li>16MM G1S PLYWOOD (CONSTRUCTION GRADE)</li></ul>
<b>EW2</b>	<b>BRICK MASONRY EXTERIOR WALL CLADDING ON STEEL STUD INFILL</b> <ul style="list-style-type: none"><li>90mm BRICK MASONRY EXTERIOR CLADDING W/ GALVANIZED CONCEALED FASTENERS</li><li>19MM AIR SPACE</li><li>19MM TYPE 3 XPS RIGID INSULATION</li><li>SPUN POLYOLEFIN AIR BARRIER MEMBRANE</li><li>16MM EXTERIOR GRADE GLASS FIBRE-REINFORCED GYPSUM SHEATHING</li><li>152MM STEEL STUD FRAMING @ 400MM O.C.</li><li>152MM FIBREGLASS BATT INSULATION</li><li>6 MIL POLYETHYLENE VAPOUR BARRIER MEMBRANE</li><li>16MM PLYWOOD (CONSTRUCTION GRADE)</li><li>16MM ABUSE RESISTANT GYPSUM WALL BOARD</li></ul>

## ROOF TYPES

<b>R1</b>	<b>FLAT R52</b> <ul style="list-style-type: none"><li>2- PLY SBS MODIFIED BITUMEN ROOF MEMBRANE W/ LIGHT COLOURED CAP SHEET</li><li>26MM RECOVERY BOARD</li><li>SLOPED EPS INSULATION</li><li>200MM POLYISO INSULATION</li><li>FULLY ADHERED AIR / VAPOUR BARRIER MEMBRANE</li><li>16MM EXTERIOR GRADE GLASS FIBRE-REINFORCED GYPSUM SHEATHING</li><li>38MM CORRUGATED STEEL ACOUSTIC DECK (SEE STRUCTURAL)</li><li>STRUCTURAL FRAMING (SEE STRUCTURAL)</li></ul>
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## FLOOR TYPES

<b>F1</b>	<b>CONCRETE SLAB ON GRADE</b> <ul style="list-style-type: none"><li>FLOORING (SEE ROOM FINISH SCHEDULE)</li><li>CONCRETE STRUCTURAL SLAB (SEE STRUCTURAL)</li><li>10 MIL POLYETHYLENE VAPOUR BARRIER</li><li>VOIDFORM (SEE STRUCTURAL)</li></ul>
<b>F2</b>	<b>MEZZANINE</b> <ul style="list-style-type: none"><li>FLOORING (SEE ROOM FINISH SCHEDULE)</li><li>CONCRETE TOPPING (SEE STRUCTURAL)</li><li>38MM CORRUGATED STEEL DECK (SEE STRUCTURAL)</li><li>OPEN WEB STEEL JOIST FRAMING (SEE STRUCTURAL)</li></ul>

# GENERAL NOTES

- PROMPTLY REPORT ALL ACCIDENTS AND POTENTIAL LIABILITY CLAIMS TO THE CONTRACT ADMINISTRATOR.
- CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF MEASUREMENTS AND QUANTITIES OF MATERIALS REQUIRED PRIOR TO COMMENCING WORK.
- CONTRACTOR IS TO VERIFY ALL EXISTING SITE CONDITIONS AND REPORT ALL DISCREPANCIES TO THE CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
- COMPENSATION WILL NOT BE MADE BECAUSE OF FAILURE TO MAKE PROPER SITE INVESTIGATIONS OR REPORTING ANY DISCREPANCIES TO THE CONSULTANT PRIOR TO BID CLOSING.
- COMPENSATION WILL NOT BE MADE BECAUSE OF FAILURE TO UNDERSTAND THE FULL NATURE AND SCOPE OF THE WORK.
- CONTRACTOR IS TO PERFORM WORK IN STRICT ACCORDANCE WITH THE 2012 MANITOBA BUILDING CODE AND ALL APPLICABLE PROVINCIAL AND MUNICIPAL STATUTES AND ORDINANCES.
- CONTRACTOR TO SUBMIT APPLICATIONS FOR EQUAL IN WRITING, ALONG WITH SUPPORTING DATA, FOR APPROVAL PRIOR TO PROCEEDING.
- DRAWINGS MUST NOT BE SCALED. DIMENSIONS ARE TO GRID LINES, FACE OF STUD, EXISTING CONCRETE WALL SURFACE OR CONCRETE BLOCK UNLESS OTHERWISE NOTED.
- IN CASE OF DOUBT, CONFLICT OR DISCREPANCIES ON THE DRAWINGS, SPECIFICATIONS, MATERIALS OR METHOD OF CONSTRUCTION, CONSULT CONTRACT ADMINISTRATOR FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.
- CONTRACTOR IS TO REVIEW ALL DRAWINGS FOR ALL OPENINGS THROUGH FLOOR, WALL AND ROOF ELEMENTS. REFER TO STRUCTURAL DETAILS FOR FRAMING REQUIREMENTS.
- CONTRACTOR IS TO COORDINATE AND PROVIDE ALL SOLID BLOCKING WITHIN THE WALL AND CEILING AREAS TO SUPPORT SURFACE MOUNTED FIXTURES AND FITTINGS INCLUDING, BUT NOT LIMITED TO APPLIANCES, HANDRAILS AND SIGNS IN CONTRACT AS WELL AS N.I.C. ITEMS IN COORDINATION WITH THE CITY OF WINNIPEG.
- ALL PLYWOOD OR WOOD BLOCKING USED BELOW OR AT GRADE IS TO BE PRESSURE TREATED.
- CONTRACTOR IS TO REMOVE ALL DEMOLITION ITEMS FROM SITE UNLESS OTHERWISE INSTRUCTED BY THE CONTRACT ADMINISTRATOR, OR INDICATED ON DRAWINGS.
- CONTRACTOR IS TO REPLACE ANY ITEMS TEMPORARILY MOVED IN THE COURSE OF CONSTRUCTION WORK.
- CONTRACTOR IS TO REPAIR ANY ITEMS DAMAGED DURING THE COURSE OF CONSTRUCTION WORK.

# SYMBOL LEGEND

	SECTION DETAILS & BUILDING SECTION TAG
	CALLOUT TAG
	ELEVATION TAG
	GLAZING ELEVATION TAG
<b>LEVEL NAME HEIGHT</b>	LEVEL TAG
	SPOT ELEVATION
	WALL TAG
	FLOOR TAG
	ROOF TAG
	DOOR TAG
	KEYNOTE TAG
	ROOM TAG
	INDICATES GLAZING
	BREAK LINE
	ACTUATOR
	CENTRE LINE
<b>1 View Name</b>	DRAWING TITLE
	NORTH ARROW

# WALL TYPE NOTES

- ALL RATED WALLS & SOUND WALLS TO EXTEND TO U/S OF ROOF & FLOOR ASSEMBLY STRUCTURES. ALL PENETRATIONS ARE TO BE SEALED TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION.
- ALL RATED PARTITIONS TO BE SCRIBED TO U/S OF DECK & SUPPORTING STRUCTURE ABOVE. ALL FIRE-RATED PARTITIONS TO BE CONTINUOUSLY FIRE-SEALED AT TOP AND BOTTOM TO FLOOR AND CEILING.
- ALL EXPOSED CONCRETE BLOCK, GYPSUM WALL BOARD, AND MSC. METAL IN OCCUPIED AREAS IS TO BE PAINTED. ALL WOOD IN OCCUPIED AREAS IS TO BE STAINED & SEALED.
- ALL EXPOSED STRUCTURAL STEEL IS TO BE PAINTED.
- SEE STRUCTURAL SCHEDULES FOR ALL REQUIRED LINTEL SUPPORT.
- FURR-OUT WALLS AS REQUIRED FOR RECESSED OR SEMI-RECESSED ELECTRICAL PANELS, FIRE EXTINGUISHER CABINETS, FORCED FLOW UNITS, ETC. TO FINISH CEILING. COORDINATE LOCATIONS AND DEPTHS WITH MECHANICAL AND ELECTRICAL DRAWINGS AND OTHER TRADES. CARRY RATING BEHIND UNIT WHEN PENETRATING RATED PARTITIONS.
- REFER TO A901 FOR DIFFERENT WALL BASES & ROOM FINISH SCHEDULE.

# BUILDING CODE SUMMARY

## CODE REVIEW

### 1MBC 3.1 – GENERAL:

- Major occupancy classification [3.1.2]: Group A Division 2 – Assembly Occupancy (gymnasium, community hall)
- Proposed building area: 1,026 m<sup>2</sup>
- Proposed building height: 1 storey
- Facing number of streets [3.2.2.10 and 3.2.5.5]: 1 (Access route located off Keenleyside Street)
- Building is sprinklered: No
- High Building: No
- Design occupant loads [3.1.17.1]: 300 persons (posted max. occupancy)

### 2 MBC 3.2 – BUILDING FIRE SAFETY

- Construction articles [3.2.2.20 to 3.2.2.83]:
  - Non-Sprinklered: 3.2.2.25 Group A Division 2 – Up to 2 Storeys
    - The building is not more than 2 storeys in building height
    - The building area is not more than 1,600 m<sup>2</sup> if 1 storey in building height facing 1 street
    - Construction is permitted to be of non-combustible or combustible construction used singly or in combination, and:
      - Floor assemblies shall be fire separations and, if of combustible construction shall have a FRR not less than 45 min.
      - Mezzanines shall have, if of combustible construction, a FRR not less than 45 min.
      - Roof assemblies shall have, if of combustible construction, a FRR not less than 45 min., except in a building not more than 1 storey in building height
    - Load bearing walls, columns and arches supporting an assembly required to have a FRR shall have an FRR not less than 45 min or be of noncombustible construction
  - Heavy timber construction [3.1.4.6.1 and 3.1.4.7]: Yes (Glued-Laminated) – 45 min FRR
    - Columns: Not less than 175 mm wide x 190 mm deep
    - Beams, girders, trusses and arches: Not less than 130 mm wide x 228 mm deep or 175 mm wide x 190 mm deep
    - Wood columns shall be continuous or superimposed throughout all storeys.
  - Spatial Separation [3.2.3.1, 3.2.3.7]
    - North Wall:
      - Ratio L/H = 3:1 (3:1 to 10:1)
      - Limiting Distance (LD) = 97.2 m (to north property line)
      - Exposing Building Face (EBF) = 258.8 m<sup>2</sup>
      - Unprotected Openings (Allowable) = 100% > Unprotected Openings (Actual) = 21.3%
      - FRR = 45 min
      - Construction: Non-combustible
      - Cladding: Non-combustible
    - South Wall:
      - Ratio L/H = 3:1 (3:1 to 10:1)
      - Limiting Distance (LD) = 59.5 m (to middle of Keenleyside Street)
      - Exposing Building Face (EBF) = 441.6 m<sup>2</sup>
      - Unprotected Openings (Allowable) = 100% > Unprotected Openings (Actual) = 24.5%
      - FRR = 45 min
      - Construction: Non-combustible
      - Cladding: Non-combustible
    - East Wall:
      - Ratio L/H = 4:1 (3:1 to 10:1)
      - Limiting Distance (LD) = 20.6 m (to east property line from closest corner of building)
      - Exposing Building Face (EBF) = 458.0 m<sup>2</sup>
      - Unprotected Openings (Allowable) = 93% > Unprotected Openings (Actual) = 4.0%
      - FRR = 45 min
      - Construction: Non-combustible
      - Cladding: Non-combustible
    - West Wall:
      - Ratio L/H = 4:1 (3:1 to 10:1)
      - Limiting Distance (LD) = 40.8 m (to accessory building on same site)
      - Exposing Building Face (EBF) = 357.6 m<sup>2</sup>
      - Unprotected Openings (Allowable) = 100% > Unprotected Openings (Actual) = 5.7%
      - FRR = 45 min
      - Construction: Non-combustible
      - Cladding: Non-combustible
- Mezzanines refer to 3.2.1.1.4a): Yes
  - Aggregate area does not exceed 10% of the floor area in which it is located
  - Maximum Allowable mezzanine area: 1,020 m<sup>2</sup> x 10% = 102 m<sup>2</sup>
  - Actual mezzanine area: 76.4 m<sup>2</sup> (10% of mezzanine is an enclosed storage room)
- Interconnected Floor Spaces [3.2.8.2.6, 3.2.8.3 to 3.2.8.9]: No
- Commercial Kitchen [A-9.10.1.4.1]: No

### 3 MBC 3.3 – SAFETY WITHIN FLOOR AREAS

- Suite separation [3.3.1.1]: N/A
- Major Occupancy separation [3.1.3.1]: N/A
- Public corridor [3.3.1.4.4a): N/A
- Dead end corridor [3.3.3.3.2]: 6 m max allowable > 3.4 m actual (corridor width 2,222 mm)
- Egress - number of egress doors [3.3.1.5]: 2 egress door provided by Gymnasium floor area (to exterior)
- Janitor's room [3.3.1.21.3]: 1 hr
- Common laundry rooms [3.3.1.22]: N/A
- Welding and cutting rooms [3.3.1.25]: N/A
- Repair garage [3.3.5.5]: N/A
- Storage garage [3.3.5.6]: N/A

### 4 MBC 3.4 – EXITS:

- Minimum 2 exits required [3.4.2.1]: 4 exits provided (Doors D100A, D107A, D111C and D111D)
- Mezzanine exits/egress stairs [3.4.2.2]: Yes – complies with article
- Distance between exits [3.4.2.3.1b):
  - Required: [1/2 Max. diagonal]: Max. Diagonal = 42.7 m / 2 = 21.4 m
  - Provided: Dist. between Exit Doors D100A and D107A = 46.1 m
- Max travel distance [3.4.2.5.1f): 30 m allowable > 27.7 m actual (taken from MPR 104 to Exit Door D100A)
- Exit [3.4.4.1]: N/A
- Exit lobby [3.4.4.2]: N/A
- Stair exit capacity [3.4.3.2]: N/A
- Door exit capacity [3.4.3.2.1a):
  - Minimum aggregate width = 6.1 mm / person;
  - Minimum exit required: 300 [occupant load] x 6.1 mm = 1,830 mm
  - Aggregate door width provided: 4200 mm (total of 4 exits)
  - Number of persons/exit: 4200 mm / 6.1 mm = 688 / 4 exits = 172 persons per exit

### 5 MBC 3.5 – VERTICAL TRANSPORTATION:

- Elevator shaft [3.5.3.1]: N/A
- Elevator machine room [3.5.3.3]: N/A
- Elevator size [3.5.4.1]: N/A

### 6 MBC 3.6 – VERTICAL SERVICE SPACE:

- Service (fumace) room [3.6.2.1]: 1 HR FRR
- Service (other) rooms [3.6.2.1]: 1 HR FRR
- Incinerator rooms [3.6.2.4]: N/A
- Refuse (garbage) rooms [3.6.2.5]: N/A

### 7 MBC 3.7 – WASHROOM FIXTURES:

- Residential occupancy: N/A
- Occupant load/sex = 300 persons / 2 = 150 persons per sex.
- Plumbing fixtures required [Table 3.7.2.2, 3.7.2.3]:
  - 3 Male WC (1 stall barrier free), 2 Lavatories
  - 6 Female WC (1 stall barrier free), 3 Lavatories
  - 1 WC in Unisex Universal Toilet Room (UTR) as per 3.8.2.3, 1 Lavatory
- Plumbing fixtures provided:
  - 3 Male WC (1 stall barrier free), 2 Lavatories
  - 6 Female WC (1 stall barrier free), 3 Lavatories
  - 1 WC in Unisex Universal Toilet Room (UTR) as per 3.8.2.3, 1 Lavatory

### 8 MBC 3.8 – BARRIER FREE DESIGN:

- Barrier free protection [3.3.1.7]: N/A
- Barrier free path of travel [3.8.2.1]: Yes
- Barrier free access to upper floor(s) by elevator [3.8.2.1]: N/A
- Barrier free washrooms provided [3.8.2.3]: Yes
- Public entrance doors equipped with power door operators [3.8.3.3]: Yes
- Assistive listening devices [3.8.3.7]: N/A

### Winnipeg Accessibility Design Standard (WADS) Review:

- Colour schemes shall incorporate a pronounced colour contrast to differentiate boundaries of objects from their background
- Floor and wall coverings shall be sound reflective or sound absorbent
- Accessible toilet stalls to be 2440 mm deep by 1870 mm wide and accommodate a clear space of 1500 mm deep by 900 mm wide
- For gymnasiums/indoor recreation facilities:
  - Have accessible seating options
  - Have an accessible route to the facility floor
  - Where concessions are provided - comply with accessible requirements for service counters

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Date: \_\_\_\_\_

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