

CODE REVIEW

Proposed Building - MBC Part 9:

- **Major occupancy classification [9.10.2]:** Group F Division 3 – Low Hazard Industrial (storage, workshop)
- **Proposed building area:** 74 m²
- **Proposed building height:** 1 storey
- **Fire department access [9.10.20.3]:** Yes (Access route located off Woodvale Street)
- **Building is sprinklered:** No
- **Fire resistance ratings of structural members and assemblies [9.10.8.1]:**
 - Group F Division 3 – Up to 2 Storeys
 - Floors (except floors over crawspaces): 45 min
 - Mezzanine floors: No rating
 - Roofs: No rating

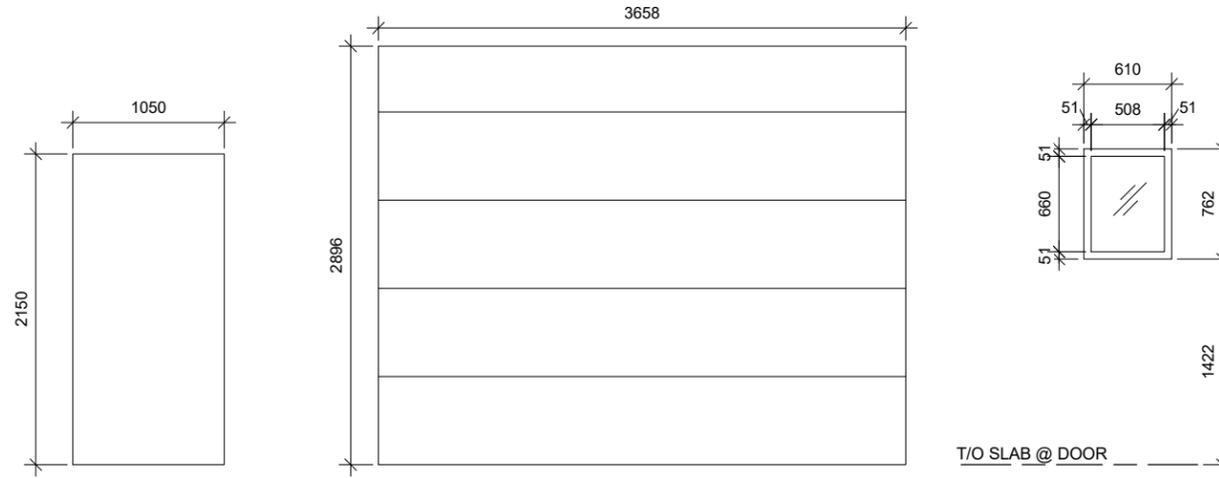
Spatial Separation:

- **South Wall [9.10.14]:**
 - Limiting Distance (LD) = 13.5 m (to existing fence)
 - Exposing Building Face (EBF) = 40.0 m² (Allowable) > 39.9 m² (Actual)
 - Unprotected Openings (UO) = 100% (Allowable) > Unprotected Openings = 41.0% (Actual)
 - FRR = Not Rated
 - Construction: Combustible or non-combustible
 - Cladding: Non-combustible
 - Ratio W/H = >2:1; 102 m² (Maximum) > 39.9 m² (Actual)

- **North Wall [9.10.14]:**
 - Limiting Distance (LD) = 12.90 m (to north property line)
 - Exposing Building Face (EBF) = 34.8 m² (Actual)
 - Unprotected Openings (UO) = 100% (Allowable) > Unprotected Openings (Actual) = 0%
 - FRR = Not Rated
 - Construction: Combustible or non-combustible
 - Cladding: Non-combustible
 - Ratio W/H = >3:1; 129 m² (Maximum) > 34.8m² (Actual)

- **East Wall [9.10.14]:**
 - Limiting Distance (LD) = 25.45 m (to east property line)
 - Exposing Building Face (EBF) = 45.25 m² (Actual)
 - Unprotected Openings (UO) = 100% (Allowable) > Unprotected Openings (Actual) = 52.1%
 - FRR = Not Rated
 - Construction: Combustible or non-combustible
 - Cladding: Non-combustible
 - Ratio W/H = >2:1; 102 m² (Maximum) > 45.25 m² (Actual)

- **West Wall [9.10.14]:**
 - Limiting Distance (LD) = 13.25 m (to existing fence)
 - Exposing Building Face (EBF) = 45.18 m² (Actual)
 - Unprotected Openings (UO) = 100% (Allowable) > Unprotected Openings (Actual) = 16.6%
 - FRR = Not Rated
 - Construction: Combustible or non-combustible
 - Cladding: Non-combustible
 - Ratio W/H = >2:1; 102 m² (Maximum) > 45.18 m² (Actual)

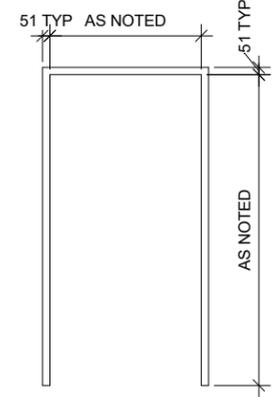


DT1
DT2 - OVERHEAD DOOR
TYPICAL WINDOW (W1 - W4)
DOOR & WINDOW TYPES
1 : 50

WINDOW SCHEDULE

WINDOW NUMBER: W1
WIDTH: 610
HEIGHT: 762
GLAZING TYPE: SINGLE GLAZED 13mm LAMINATED TEMPERED GLASS

WINDOW NUMBER: W2-4
WIDTH: 610
HEIGHT: 762
GLAZING TYPE: DOUBLE GLAZED; OUTER PANE: 13mm LAMINATED TEMPERED GLASS; INNER PANE: 5mm LAMINATED TEMPERED GLASS



FT1
DOOR FRAME TYPES
1 : 50

DOOR SCHEDULE

<p>DOOR NUMBER: D1 DOOR TYPE: DT1 HARDWARE SET: 1 WIDTH: 1050 HEIGHT: 2150 THICKNESS: 44 DOOR MATERIAL: 16 GA. STEEL DOOR FINISH: GALVANIZED & PAINTED DOOR FIRE RATING: NO INSULATED: YES FRAME TYPE: FT2 FRAME MATERIAL: 14 GA. STEEL FRAME FIRE RATING: NO FRAME FINISH: GALVANIZED & PAINTED GLAZING TYPE: N/A COMMENTS: PAINT DOOR AND FRAME; COLOUR TO BE SELECTED BY CONTRACT ADMINISTRATOR</p>	<p>DOOR NUMBER: D4 DOOR TYPE: DT1 HARDWARE SET: 4 WIDTH: 1050 HEIGHT: 2150* THICKNESS: 44 DOOR MATERIAL: 16 GA. STEEL DOOR FINISH: GALVANIZED & PAINTED DOOR FIRE RATING: NO INSULATED: YES FRAME TYPE: FT1 FRAME MATERIAL: 14 GA. STEEL FRAME FIRE RATING: NO FRAME FINISH: GALVANIZED & PAINTED GLAZING TYPE: N/A COMMENTS: PAINT DOOR AND FRAME; COLOUR TO BE SELECTED BY CONTRACT ADMINISTRATOR</p>
<p>DOOR NUMBER: D2 DOOR TYPE: DT1 HARDWARE SET: 2 WIDTH: 1050 HEIGHT: 2150 THICKNESS: 44 DOOR MATERIAL: 16 GA. STEEL DOOR FINISH: GALVANIZED & PAINTED DOOR FIRE RATING: 45 MIN. INSULATED: YES FRAME TYPE: FT1 FRAME MATERIAL: 14 GA. STEEL FRAME FIRE RATING: 45 MIN. FRAME FINISH: GALVANIZED & PAINTED GLAZING TYPE: N/A COMMENTS: PAINT DOOR AND FRAME; COLOUR TO BE SELECTED BY CONTRACT ADMINISTRATOR</p>	<p>*NOTE: DOOR TO BE UNDERCUT TO ALLOW VENILTATION & EXHAUST OF STAFF AREA</p>
<p>DOOR NUMBER: D3 DOOR TYPE: DT1 HARDWARE SET: 3 WIDTH: 1050 HEIGHT: 2150 THICKNESS: 44 DOOR MATERIAL: 16 GA. STEEL DOOR FINISH: GALVANIZED & PAINTED DOOR FIRE RATING: NO INSULATED: NO FRAME TYPE: FT1 FRAME MATERIAL: 14 GA. STEEL FRAME FIRE RATING: NO FRAME FINISH: GALVANIZED & PAINTED GLAZING TYPE: N/A COMMENTS: PAINT DOOR AND FRAME; COLOUR TO BE SELECTED BY CONTRACT ADMINISTRATOR</p>	<p>DOOR NUMBER: D5 DOOR TYPE: DT2 - OVERHEAD DOOR HARDWARE SET: N/A - REFER TO PROJECT SPECIFICATION WIDTH: 3658 HEIGHT: 2896 (610 PANELS) THICKNESS: 51 DOOR MATERIAL: 20 GA. STEEL DOOR FINISH: PREFINISHED; WHITE (MATCH CLADDING) DOOR FIRE RATING: NO INSULATED: NO FRAME TYPE: REFER TO DETAILS ON A501 FRAME MATERIAL: STEEL FRAME FIRE RATING: NO FRAME FINISH: GALVANIZED GLAZING TYPE: N/A COMMENTS: HEAVY-DUTY WEATHERSTRIPPING; MEDIUM-DUTY ELECTRIC OPERATOR; KEYED LOCK WITH INTERLOCK TO ELECTRIC OPERATOR; OVERHEAD DOOR TO BE MODEL 3250 RIBBED STEEL COMMERCIAL DOOR SERIES DOORS BY C.H.I. OVERHEAD DOORS OR APPROVED EQUAL; OPERATOR TO BE MODEL MT-50 MEDIUM DUTY TROLLEY OPERATOR BY LIFTMASTER OR APPROVED EQUAL</p>

DOOR HARDWARE SETS

HARDWARE SET 1:

1 Continuous Hinge	FM300	630	MR
1 Dormitory Lock	70 8225 LNL	US26D	SA
1 BEST Core	By City of Winnipeg		BE
1 Concealed Overhead Stop	1-X36	630	RF
1 Door Closer	351 P10	EN	SA
1 Kick Plate	K1050 10"	US32D	RO
1 Threshold	2746x6A		PE
1 Gasketing	2891AS		PE
2 Gasketing	290AS		PE
1 Sweep	315CN		PE
1 Astragal	3572SP		PE
1 Viewer	620	CRM	RO

NOTE: Cut astragal to fit around the lock strike. Mount closer shoe to gasketing. Confirm threshold size required with CONTRACT ADMINISTRATOR prior to ordering.

HARDWARE SET 2:

3 Hinge	TA2714 NRP 4-1/2" x 4"	US26D	MK
1 Classroom Lock	28 70 10G37 LL	US26D	SA
1 BEST Core	By City of Winnipeg		BE
1 Door Closer	1431 PS	EN	SA
1 Kick Plate	K1050 10"	US32D	RO
1 Threshold	172A		PE
1 Gasketing	2891AS		PE
1 Gasketing	290AS		PE
1 Sweep	315CN		PE

NOTE: Mount closer shoe to gasketing. Confirm threshold size required with CONTRACT ADMINISTRATOR prior to ordering.

HARDWARE SET 3:

3 Hinge	TA2714 NRP 4-1/2" x 4"	US26D	MK
1 Storeroom Lock	28 70 10G04 LL	US26D	SA
1 BEST Core	By City of Winnipeg		BE
1 Door Closer	1431 PS	EN	SA
1 Kick Plate	K1050 10"	US32D	RO
1 Threshold	172A		PE
1 Gasketing	2891AS		PE
1 Gasketing	290AS		PE
1 Sweep	315CN		PE

NOTE: Mount closer shoe to gasketing. Confirm threshold size required with CONTRACT ADMINISTRATOR prior to ordering.

HARDWARE SET 4:

3 Hinge	TA2714 NRP 4-1/2" x 4"	US26D	MK
1 Privacy Set	28 10U65 LL	US26D	SA
1 Door Pull	102-RKW	US28	RO
1 Door Closer	1431 P9	EN	SA
1 Wall Stop	406	US32D	RO

NOTE: Door pull to be mounted to inside of door as required by code.