BUILDING CODE CLASSIFICATION

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: 81 m²
 Proposed building height: 1 storey
 Fire department access [9.10.20.3]: Yes (Access route located off Keenleyside Street)
 Building is sprinklered: No

- Fire resistance ratings of structural members and assemblies [9.10.8.1]:
 - Group F Division 3 Up to 2 Storevs
 - Floors (except floors over crawspaces): 45 min
 - Mezzanine floors: No rating
 - Roofs: No rating

Existing Building - MBC Part 3:

- Major Occupancy Classification [3.1.2]: Group A Division 2 Assembly Occupancy (gymnasia, community hall)
 - Proposed building area: 1,025 m²
 - -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)

- South Wall [9.10.14]:

- Limiting Distance (LD) = 8.0 m (see diagram)
 Exposing Building Face (EBF) = 50 m² (Allowable) > 49.2 m² (Actual)
 Unprotected Openings (UO) = 57% (Allowable) > Unprotected Openings = 49.1% (Actual)
- Construction: Combustible or non-combustible
- Cladding: Non-combustible Ratio W/H = >2:1; 102 m² (Maximum) > 49.2 m² (Actual)

- North Wall of Existing Building facing South Wall [3.2.3.1.B]: - Limiting Distance (LD) = 1.2 m (see diagram) - Exposing Building Face (EBF) = 100 m² (Allowable) > 92.6 m² (Actual)

- Unprotected Openings (UO) = 7% (Allowable) > Unprotected Openings = 6.1% (Actual) FRR = 45 min
- Construction: Combustible or non-combustible
- Cladding: Non-combustible
 Ratio W/H = Less than 3:1
- East Wall of Existing Building facing South Wall [3.2.3.1.B]:

 Limiting Distance (LD) = 6.0 m (see diagram)

 Exposing Building Face (EBF) = 80 m² (Allowable) > 85.9 m² (Actual)

 Unprotected Openings (UO) = 18% (Allowable) > Unprotected Openings = 14.4% (Actual)

 - Construction: Combustible or non-combustible - Cladding: Non-combustible
 - Ratio W/H = Less than 3:1

- North Wall [9.10.14]:

- Limiting Distance (LD) = 59.0 m (to northeast/nearest property line)
- Exposing Building Face (EBF) = 34.8 m² (Actual)

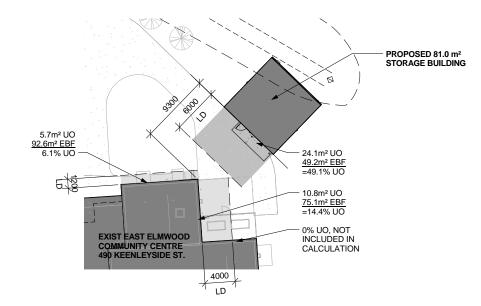
 Unprotected Openings (UO) = 100% (Allowable) > Unprotected Openings (Actual) = 0%

 FRR = 45 min
- Construction: Combustible or non-combustible
- Cladding: Non-combustible
- Ratio W/H = >3:1; 129 m² (Maximum) > 34.8m² (Actual)

- Limiting Distance (LD) = 36.4 m (to east/nearest property line) Exposing Building Face (EBF) = 42.0 m² (Actual)
- Unprotected Openings (UO) = 100% (Allowable) > Unprotected Openings (Actual) = 18.1% FRR = 45 min
- Construction: Combustible or non-combustible
- Cladding: Non-combustible Ratio W/H = >2:1; 102 m² (Maximum) > 42.0 m² (Actual)

- Limiting Distance (LD) = 89.6 m (to west/nearest property line)
 Exposing Building Face (EBF) = 42.0 m² (Actual)
 Unprotected Openings (UO) = 100% (Allowable) > Unprotected Openings (Actual) = 18.1%

- FRR = 45 min
- Construction: Combustible or non-combustible
- Cladding: Non-combustible Ratio W/H = >2:1; 102 m² (Maximum) > 42.0 m² (Actual)



SPATIAL SEPARATION DIAGRAM



204 488 8857 tal. 204 458 0215 tar.

hridomancollaborative

EAST ELMWOOD STORAGE SHED

Opportunity Number: 630-2016

Drawing Title: **BUILDING CODE** SUMMARY

ISSUED FOR CONSTRUCTION

Date: JULY 27, 2016

Sheet No: G002

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