

**City of Mississauga  
Fire Station 123**Project #12229  
3050 The Collegeway,  
Mississauga, Ontario, Canada**Construction Tender  
ARCHITECTURAL  
ADDENDUM No. 01**Monday, June 24, 2024

---

**1. GENERAL INSTRUCTIONS**

- .1 The following information supplements and/or supersedes the bid documents issued.
- .2 This Addendum forms part of the *Contract Documents* and is to be read, interpreted and coordinated with all other parts. The cost of all contained herein is to be included in the contract price.
- .3 The following revisions supersede the information contained in the original drawings and specifications issued for the named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject the bidder to disqualification.

**2. AFFECTED SECTIONS OF THE PROJECT MANUAL****.1 Revisions**

- .i *Refer to 00 01 10 - Table of Contents*  
*Replace section in its entirety with Section 00 01 10 issued as part of this addendum. Revision includes sections included as additions.*
- .ii *Refer to Section 00 30 00 Information Available to Review*  
*Insert 1.2.3.5 Functional Servicing and Stormwater Management Report*

**.2 Deletions**

- .i *None.*

**.3 Additions**

- .i *Refer to Section 00 30 00 Information Available to Review*  
*Insert 1.2.3.5 Functional Servicing and Stormwater Management Report*
- .ii *Insert Section 02 41 13 - Selective Site Demolition*
- .iii *Refer to Section 08 71 00.01 Door Hardware Schedule*
- .iv *Insert Hardware Schedule For Mississauga Fire Station No. 122*
- .v *Insert Section 31 11 00 - Clearing and Grubbing*
- .vi *Insert Section 31 25 05 - Erosion and Sedimentation Control*

**3. AFFECTED ARCHITECTURAL DRAWINGS****.1 Drawing A03.07 - Roof Plan**

- i. Replace Issued for Tender drawing bearing revision 10 with Issued for Addendum No. 4, bearing revision 111 in its entirety (attached hereto)
  - a. *Add scupper locations and detail.*

**.2 Drawing A03.13 - Level 01 - FFE Plan**

- ii. Replace Issued for Tender drawing bearing revision 10 with Issued for Addendum No. 4, bearing revision 111 in its entirety (attached hereto)
  - b. *Corner Guard locations identified.*

**.3 Drawing A04.00 - Exterior Elevations**

- iii. Replace Issued for Tender drawing bearing revision 11 with Issued for Addendum No. 4, bearing revision 13 in its entirety (attached hereto)

*c. Add scupper locations*

**.4 Drawing A04.00 - Exterior Elevations**

- i. Replace Issued for Tender drawing bearing revision 11 with Issued for Addendum No. 4, bearing revision 13 in its entirety (attached hereto)

*a. Add scupper locations*

**.5 Drawing A10.00 - Door & Frame Types & Schedule**

- ii. Replace Issued for Tender drawing bearing revision 10 with Issued for Addendum No. 4, bearing revision 11 in its entirety (attached hereto)

*b. Clarifications on Abbreviations and finish to Wood Door.*

**END OF ARCHITECTURAL ADDENDUM No. 01**

## VOLUME 1

### DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

00 01 01	<i>Project Manual Title Page</i>	A
00 01 03	<i>Document Responsibility and Project Directory</i>	A
00 01 10	<i>Table of Contents</i>	A
00 01 15	<i>List of Drawings</i>	A
00 30 00	<i>Information Available for Review</i>	A

### DIVISION 01 - GENERAL REQUIREMENTS

01 10 00	<i>General Instructions</i>	A
01 10 00.01	<i>Digital Data Disclaimer</i>	A
01 21 13	<i>Cash Allowances</i>	A
01 25 13	<i>Product Substitution Procedures</i>	A
01 25 13.01	<i>Request for Substitution Form</i>	A
01 26 00	<i>Contract Modification Procedures</i>	A
01 26 13	<i>Requests for Interpretation</i>	A
01 29 00	<i>Payment Procedures</i>	A
01 29 73	<i>Schedule of Values</i>	A
01 30 50	<i>Interference Drawings</i>	A
01 31 13	<i>Coordination</i>	A
01 31 19	<i>Project Meetings</i>	A
01 31 46	<i>Field Engineering</i>	A
01 32 00	<i>Construction Progress Documentation</i>	A
01 33 00	<i>Submittals &amp; Procedures</i>	A
01 35 29	<i>Health, Safety and Emergency Response</i>	A
01 41 00	<i>Regulatory Requirements</i>	A
01 42 13	<i>Abbreviations and Acronyms</i>	A
01 45 00	<i>Quality Control</i>	A
01 50 00	<i>Temporary Facilities and Controls</i>	A
01 56 26	<i>Temporary Fencing and Barriers</i>	A
01 60 00	<i>Product Requirements</i>	A
01 73 29	<i>Cutting and Patching</i>	A
01 74 13	<i>Progressive Cleaning</i>	A
01 74 19	<i>Waste Management and Disposal</i>	A
01 77 00	<i>Contract Closeout Procedures and Submittals</i>	A
01 78 23	<i>Operation and Maintenance Manuals</i>	A
01 78 36	<i>Warranties</i>	A
01 78 39	<i>As-Built Documents</i>	A

01 79 00	Demonstration and Training	A
01 81 21	Energy Efficiency Requirements	A
01 91 13	General Commissioning Requirements	Cx
01 91 26.13	Integrated Systems Testing of Fire Protection and Life Safety Systems	E

## **DIVISION 02 – EXISTING CONDITIONS**

02 05 50	Environmental Procedures - Soil Management	O
	Environmental Site Management and Compliance Environmental Requirements and Submittals	O
02 41 13	Selective Site Demolition	A

## **DIVISION 03 – CONCRETE**

03 10 00	Concrete Forming and Accessories	S
03 20 00	Concrete and Masonry Reinforcing	S
03 30 00	Cast-in-place Concrete	S
03 35 00	Concrete Floor Finishing	A
03 35 43	Polished Concrete Finish	A

## **DIVISION 04 – MASONRY**

04 05 00	Masonry Procedures	A
04 05 13	Mortar and Grout for Masonry	A
04 05 19	Masonry Reinforcement and Connectors	A
04 05 23	Masonry Accessories	A
04 21 13	Brick Masonry Units	A
04 22 00	Concrete Unit Masonry	A

## **DIVISION 05 – METALS**

05 12 23	Structural Steel for Buildings	S
05 21 00	Steel Joist Framing	S
05 31 00	Steel Decking	S
05 41 13	Wind Load-Bearing Cold-Formed Metal Framing	A
05 50 00	Metal Fabrications	A
05 50 01	Post Guard Bollard Covers	A

## **DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES**

06 10 53	Rough Carpentry	A
06 16 13	Insulating Sheathing	A
06 40 00	Architectural Woodwork	A

## **DIVISION 07 - THERMAL AND MOISTURE PROTECTION**

07 05 23	<i>Air Tightness Testing</i>	A
07 13 26	<i>Self-Adhering Sheet Waterproofing</i>	A
07 21 00	<i>Thermal Insulation</i>	A
07 26 13	<i>Above-Grade Vapour Barrier</i>	A
07 26 16	<i>Below-Grade Vapour Barrier</i>	A
07 27 00	<i>Air Barrier Systems</i>	A
07 44 63.02	<i>Building-Integrated PV Cladding Panels</i>	A
07 44 63.04	<i>Faced-Honeycomb Composite Panel - Metal</i>	A
07 52 16	<i>Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</i>	A
07 62 00	<i>Sheet Metal Flashing</i>	A
07 72 33	<i>Roof Hatch</i>	A
07 84 00	<i>Firestopping and Smoke Seals</i>	A
07 92 00	<i>Joint Sealants</i>	A

## **DIVISION 08 – OPENINGS**

08 12 13	<i>Hollow Metal Frames</i>	A
08 13 13	<i>Hollow Metal Doors</i>	A
08 14 16	<i>Flush Wood Doors</i>	A
08 31 13	<i>Access Doors and Frames</i>	A
08 35 13	<i>Four-Fold Metal Doors</i>	A
08 36 18	<i>Sectional Overhead Metal Doors</i>	A
08 41 00	<i>Aluminum Framed Glazing Systems</i>	A
08 41 23	<i>Fire Rated Glass and Framing Systems</i>	A
08 71 00	<i>Door Hardware</i>	H
08 71 00.01	<i>Door Hardware Schedule</i>	H
08 71 13	<i>Automatic Door Operators</i>	A
08 80 00	<i>Glass and Glazing</i>	A
08 87 00	<i>Applied Films</i>	A
08 87 26	<i>Bird Control Film</i>	A
08 91 19	<i>Louvres</i>	A

## **DIVISION 09 – FINISHES**

09 22 00	<i>Metal Supports for Gypsum and Cement Board</i>	A
09 29 00	<i>Gypsum and Cement Board</i>	A
09 31 00	<i>Tiling</i>	A
09 51 23	<i>Acoustical Tile Ceiling Systems</i>	A
09 62 90	<i>Tactile Attention Indicators</i>	A

09 65 13	<i>Resilient Base and Accessories</i>	A
09 65 19	<i>Resilient Tile Flooring</i>	A
09 65 66	<i>Resilient Athletic Flooring</i>	A
09 67 23	<i>Epoxy Flooring</i>	A
09 91 00	<i>Painting</i>	A

#### **DIVISION 10 – SPECIALTIES**

10 11 00	<i>Visual Display Units</i>	A
10 14 53	<i>Traffic Signage</i>	A
10 14 19	<i>Dimensional Letter Signage</i>	A
10 26 13	<i>Corner Guards</i>	A
10 28 00	<i>Washroom Accessories and Janitor Accessories</i>	A
10 44 16	<i>Fire Extinguishers</i>	M
10 56 29	<i>Storage Racks</i>	A
10 51 13	<i>Prefinished Metal Lockers</i>	A
10 75 16	<i>Ground Set Flagpoles</i>	A

#### **DIVISION 11 – EQUIPMENT**

11 11 36	<i>Vehicle Charging Equipment</i>	E
----------	-----------------------------------	---

#### **DIVISION 12 – FURNISHINGS**

12 24 13	<i>Roller Window Shades</i>	A
12 35 53	<i>Stainless Steel Countertops</i>	A
12 36 61.16	<i>Solid Surfacing Countertops</i>	A

#### **DIVISION 13 – SPECIAL CONSTRUCTION**

13 48 00	<i>Sound, Vibration, and Seismic Control</i>	A
----------	--	---

#### **DIVISION 32 - EXTERIOR IMPROVEMENTS**

31 11 00	<i>Clearing and Grubbing</i>	A
31 23 00	<i>Excavation and Backfill</i>	A
31 23 13	<i>Site Grading</i>	A
31 25 05	<i>Erosion and Sedimentation Control</i>	A

**REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR FULL SCOPE OF REQUIREMENTS.**

#### **DIVISION 32 - EXTERIOR IMPROVEMENTS**

32 01 90	<i>Temporary Tree and Plant Protection and Trimming</i>	A
32 16 13	<i>Concrete Curbs and Pavements</i>	A

32 17 23	<i>Traffic Markings</i>	A
32 31 32	<i>Wood Composite Fencing And Gates</i>	L
32 33 00	<i>Site Furnishings</i>	L
32 91 19.13	<i>Topsoil Placement and Grading</i>	L
32 92 23	<i>Sodding</i>	L
32 93 10	<i>Trees, Shrubs and Ground Cover Planting</i>	L

**REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR FULL SCOPE OF REQUIREMENTS.**

### **DIVISION 33 – UTILITIES**

**REFER TO CIVIL DRAWINGS FOR FULL SCOPE OF REQUIREMENTS.**

## VOLUME 2

### DIVISION 20 – MECHANICAL

20 05 00	<i>Common Work Results for Mechanical</i>	<i>M</i>
20 05 10	<i>Mechanical Work General Instructions</i>	<i>M</i>
20 05 13	<i>Common Motor Requirements for Mechanical Equipment</i>	<i>M</i>
20 05 13.13	<i>Variable Frequency Drives for Mechanical Equipment</i>	<i>M</i>
20 05 17	<i>Sleeves and Sleeve Seals for Mechanical Piping</i>	<i>M</i>
20 05 19	<i>Meters and Gauges for Mechanical Systems</i>	<i>M</i>
20 05 29	<i>Hangers and Supports for Mechanical Piping and Equipment</i>	<i>M</i>
20 05 33	<i>Heat Tracing for Mechanical Piping</i>	<i>M</i>
20 05 48.13	<i>Vibration Controls for Mechanical Systems</i>	<i>M</i>
20 05 48.16	<i>Seismic Controls for Mechanical Systems</i>	<i>M</i>
20 05 53	<i>Identification for Mechanical Piping and Equipment</i>	<i>M</i>
20 05 93	<i>Testing, Adjusting, and Balancing for Mechanical Systems</i>	<i>M</i>
20 07 00	<i>Mechanical Systems Insulation</i>	<i>M</i>

### DIVISION 21 FIRE SUPPRESSION

21 13 00	<i>Fire-Suppression Sprinkler Systems</i>	<i>M</i>
----------	---	----------

### DIVISION 22 PLUMBING

22 05 69	<i>Facility Plumbing Services</i>	<i>M</i>
22 08 00	<i>Commissioning of Plumbing</i>	<i>M</i>
22 11 00	<i>Facility Water Distribution</i>	<i>M</i>
22 11 23	<i>Domestic Water Pumps</i>	<i>M</i>
22 13 00	<i>Facility Sanitary Sewerage</i>	<i>M</i>
22 14 26.19	<i>Facility Trench Drains</i>	<i>M</i>
22 33 43	<i>Heat Pump Domestic Water Heaters</i>	<i>M</i>
22 42 00	<i>Commercial Plumbing Fixtures</i>	<i>M</i>
22 45 00	<i>Emergency Plumbing Fixtures</i>	<i>M</i>
22 47 00	<i>Drinking Fountains and Water Coolers</i>	<i>M</i>

### DIVISION 23 HEATING, VENTILATION AND AIR CONDITIONING

23 08 00	<i>Commissioning of HVAC</i>	<i>M</i>
23 11 23	<i>Facility Natural-Gas Piping</i>	<i>M</i>
23 21 00	<i>Hydronic Piping and Pumps</i>	<i>M</i>
23 23 00	<i>Refrigerant Piping</i>	<i>M</i>
23 30 00	<i>HVAC Air Distribution</i>	<i>M</i>
23 33 19	<i>Duct Silencers</i>	<i>M</i>



23 34 00	<i>HVAC Fans</i>	<i>M</i>
23 35 16	<i>Engine Exhaust Systems</i>	<i>M</i>
23 52 13	<i>Electric Boilers</i>	<i>M</i>
23 72 00	<i>Air-to-Air Energy Recovery Equipment</i>	<i>M</i>
23 81 26	<i>Split-System Air-Conditioners</i>	<i>M</i>
23 81 29	<i>Variable Refrigerant Flow HVAC Systems</i>	<i>M</i>
23 82 39.19	<i>Wall and Ceiling Unit Heaters</i>	<i>M</i>
23 83 16.16	<i>In-Floor Radiant-Heating Hydronic Piping</i>	<i>M</i>

## **DIVISION 24**

*Section Not Used*

## **DIVISION 25 – INTEGRATED AUTOMATION**

25 05 01	<i>Automatic Control Systems</i>	<i>M</i>
25 05 02	<i>Building Automation System</i>	<i>M</i>
25 08 00	<i>Commissioning of Integrated Automation</i>	<i>Cx</i>
25 56 50	<i>Integrated Automation Control of Electrical Lighting Systems</i>	<i>E</i>
25 96 00	<i>Integrated Automation Control Sequences for Electrical Systems</i>	<i>E</i>

## **DIVISION 26 – ELECTRICAL**

26 05 00	<i>Common Work Results for Electrical</i>	<i>E</i>
26 05 19	<i>Low-Voltage Electrical Power Conductors and Cables</i>	<i>E</i>
26 05 23	<i>Control-Voltage Electrical Power Cables</i>	<i>E</i>
26 05 26	<i>Grounding and Bonding for Electrical Systems</i>	<i>E</i>
26 05 29	<i>Hangers and Supports for Electrical Systems</i>	<i>E</i>
26 05 33.13	<i>Conduit for Electrical Systems</i>	<i>E</i>
26 05 33.16	<i>Boxes for Electrical Systems</i>	<i>E</i>
26 05 43	<i>Underground Ducts and Raceways for Electrical Systems</i>	<i>E</i>
26 05 44	<i>Sleeves and Sleeve Seals for Electrical Raceways and Cabling</i>	<i>E</i>
26 05 44.13	<i>Firestopping for Electrical Systems</i>	<i>E</i>
26 05 48.13	<i>Vibration Controls for Electrical Systems</i>	<i>E</i>
26 05 48.16	<i>Seismic Controls for Electrical Systems</i>	<i>E</i>
26 05 53	<i>Identification for Electrical Systems</i>	<i>E</i>
26 05 73.16	<i>Coordination Studies</i>	<i>E</i>
26 05 73.19	<i>Arc-Flash Hazard Analysis</i>	<i>E</i>
26 05 83	<i>Wiring Connections</i>	<i>E</i>
26 08 00	<i>Commissioning of Electrical Systems</i>	<i>Cx</i>
26 08 32.16	<i>Performance Checklist for Natural-Gas Generators</i>	<i>E</i>
26 08 36	<i>Performance Checklist for Automatic Transfer Switches</i>	<i>E</i>

26 08 50	<i>Commissioning of Lighting</i>	<i>E</i>
26 09 19	<i>Enclosed Contactors</i>	<i>E</i>
26 09 43	<i>Network Lighting Controls</i>	<i>E</i>
26 21 16	<i>Low-Voltage Underground Electrical Service Entrance</i>	<i>E</i>
26 21 16.01	<i>Alectra Utilities Electrical Service Details</i>	<i>E</i>
26 22 13	<i>Low-Voltage Distribution Transformers</i>	<i>E</i>
26 24 13	<i>Switchboards</i>	<i>E</i>
26 24 16	<i>Panelboards</i>	<i>E</i>
26 27 13	<i>Electricity Metering</i>	<i>E</i>
26 27 16	<i>Electrical Cabinets and Enclosures</i>	<i>E</i>
26 27 26	<i>Wiring Devices</i>	<i>E</i>
26 28 13	<i>Fuses</i>	<i>E</i>
26 28 16.02	<i>Molded Case Circuit Breakers</i>	<i>E</i>
26 28 16.16	<i>Enclosed Switches</i>	<i>E</i>
26 31 00	<i>Photovoltaic Collectors</i>	<i>E</i>
26 32 13.16	<i>Gas-Engine-Driven Generator Sets</i>	<i>E</i>
26 36 23.13	<i>Bypass-Isolation Automatic Transfer Switches</i>	<i>E</i>
26 43 13	<i>Surge Protective Devices for Low-Voltage Electrical Power Circuits</i>	<i>E</i>
26 51 19	<i>LED Interior Lighting</i>	<i>E</i>
26 52 13.13	<i>Emergency Lighting</i>	<i>E</i>
26 52 13.16	<i>Exit Signs</i>	<i>E</i>
26 56 13	<i>Lighting Poles and Standards</i>	<i>E</i>
26 56 19	<i>LED Exterior Lighting</i>	<i>E</i>

## **DIVISION 27 – COMMUNICATIONS**

27 05 13.01	<i>Bell Canada Communications Services</i>	<i>T</i>
27 05 26	<i>Grounding and Bonding for Communications Systems</i>	<i>T</i>
27 05 28	<i>Pathways for Communications Systems</i>	<i>E</i>
27 05 28.51	<i>Pathways for Public Address System</i>	<i>T</i>
27 05 28.61	<i>Pathways for Access Control and Intrusion Detection</i>	<i>T</i>
27 05 28.63	<i>Pathways for Video Surveillance</i>	<i>T</i>
27 05 28.91	<i>Pathways for Fire Station Alerting and Traffic Pre-Emption Systems</i>	<i>T</i>
27 05 29	<i>Hangers and Supports for Communications Systems</i>	<i>T</i>
27 05 36	<i>Cable Trays for Communications Systems</i>	<i>T</i>
27 05 44	<i>Sleeves and Sleeve Seals for Communications Pathways and Cabling</i>	<i>T</i>
27 05 53	<i>Identification for Communications Systems</i>	<i>T</i>
27 10 00	<i>Structured Cabling</i>	<i>T</i>
27 15 01.19	<i>Fire Alarm Communications Conductors and Cables</i>	<i>E</i>

## **DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

28 08 46	<i>Commissioning of Fire Detection and Alarm</i>	<i>E</i>
28 46 13	<i>Fire-Alarm Systems</i>	<i>E</i>
28 46 15	<i>Fire-Alarm System Sequences of Operation</i>	<i>E</i>
28 46 21.12	<i>Fire-Alarm Control Units</i>	<i>E</i>
28 46 21.22	<i>Fire-Alarm Remote Annunciators</i>	<i>E</i>
28 46 21.24	<i>Supervising Station Alarm Systems Communications Equipment</i>	<i>E</i>
28 46 25	<i>Fire-Alarm System Accessories</i>	<i>E</i>
28 46 31	<i>Fire-Alarm Initiating Devices</i>	<i>E</i>
28 08 46	<i>Commissioning of Fire Detection and Alarm</i>	<i>E</i>
28 46 13	<i>Fire-Alarm Systems</i>	<i>E</i>
28 46 15	<i>Fire-Alarm System Sequences of Operation</i>	<i>E</i>
28 46 21.12	<i>Fire-Alarm Control Units</i>	<i>E</i>
28 46 21.22	<i>Fire-Alarm Remote Annunciators</i>	<i>E</i>
28 46 21.24	<i>Supervising Station Alarm Systems Communications Equipment</i>	<i>E</i>
28 46 25	<i>Fire-Alarm System Accessories</i>	<i>E</i>
28 46 31.18	<i>Carbon Monoxide Detection Sensors</i>	<i>E</i>
28 46 31.26	<i>Residential Smoke and Carbon Monoxide Alarms</i>	<i>E</i>
28 46 31.31	<i>Fire-Alarm Manual Initiating Devices</i>	<i>E</i>
28 46 31.41	<i>Fire-Alarm Supervisory Signal Initiating Devices</i>	<i>E</i>
28 46 41	<i>Fire-Alarm Notification Appliances</i>	<i>E</i>
28 46 51	<i>Fire-Alarm Supervised Interface Hardware</i>	<i>E</i>
28 46 51.08	<i>Fire-Alarm Supervised Interface Hardware for Openings</i>	<i>E</i>
28 46 51.23	<i>Fire-Alarm Supervised Interface Hardware for HVAC Systems</i>	<i>E</i>

## **APPENDICES**

Appendix E1	<i>City of Mississauga Telecommunications Cabling Standards v1.4 June 2023</i>	<i>O</i>
Appendix E2	<i>City of Mississauga General Data Network Guidelines and Responsibilities June 2023</i>	<i>O</i>
Appendix E3	<i>Motorola Mach Alert Fire Station Alerting System Documentation</i>	<i>O</i>
Appendix M1	<i>City of Mississauga Master Specification for Energy Management Control Systems (EMCS) Rev.1-2021-04-05</i>	<i>O</i>

**END OF SECTION**

## 1 GENERAL

### 1.1. General requirements

- 1.1.1. Read and be governed by conditions of the *Contract Documents*, including Sections of Division 1.

### 1.2. INFORMATION AVAILABLE FOR REVIEW

- 1.2.1. Be advised the neither the Owner nor the Consultant guarantees the accuracy or completeness of any data contained therein. Bidders must satisfy themselves with regard to all matters relating to conditions that may affect either the methods of construction or the cost of the Work before submitting bids or commencing the Work.
- 1.2.2. The Architect's seal, if applied to the Project Manual, governs only Section 00 30 00 proper, and not the documents listed herein.
- 1.2.3. The following documents have been made available by the Owner for review:
- 1.2.3.1. Geotechnical report:  
(1) "Geotechnical Investigation for the Proposed City of Mississauga Fire Station 123", as prepared by G2S Consulting Inc, dated January 2024.
- 1.2.3.2. Hydrogeological Site Assessment  
(1) "Hydrogeological Site Assessment City of Mississauga Fire Station 123 Vacant Lot West of 3010 The Collegeway Mississauga, Ontario", as prepared by G2S Consulting Inc., dated January 29, 2024
- 1.2.3.3. Soil Characterization Report (SCR)  
(1) "Soil Characterization Report (SCR) City of Mississauga Fire Station 123 3050 The Collegeway Mississauga, Ontario", as prepared by G2S Consulting Inc., dated September 21, 2023
- 1.2.3.4. Environmental *Site* Assessment reports:  
(1) "Phase One Environmental Site Assessment, The Collegeway & Loyalist Drive, Mississauga, Ontario, L5L 4X9, as prepared by Patriot Engineering, dated February 19, 2021
- 1.2.3.5. Functional Servicing and Stormwater Management Report  
(1) "Functional Servicing and Stormwater Management Report, New Fire Station 123, 3050 The Collegeway, Mississauga, On, L5L4X9", as prepared by LEA Consulting Ltd , dated March 8, 2024.
- 1.2.4. *Contractor* must confirm receipt of these documents prior to commencement of construction.

**END OF SECTION**

## **1 GENERAL**

### **1.1. GENERAL INSTRUCTIONS**

- 1.1.1. Read and be governed by conditions of the Contract *Documents*, including sections of Division 1.

### **1.2. SECTION INCLUDES**

- .1 1.1. General Instructions
- .2 1.2. Section Includes
- .3 1.3. Summary
- .4 1.4. Related Sections
- .5 1.5. Submittals
- .6 1.6. Administrative Requirements
- .7 1.7. Delivery, Storage And Handling
- .8 1.8. Site Conditions
- .9 1.9. Existing Conditions
- .10 3.1. Examination
- .11 3.2. Preparation
- .12 3.3. Removal Of Hazardous Wastes
- .13 3.4. Removal Operations
- .14 3.5. Restoration
- .15 3.6. Clean Up

### **1.3. SUMMARY**

- 1.3.1. Section includes descriptions for demolishing, salvaging, recycling and removing site work items identified for removal in whole or in part, and for backfilling trenches and excavations resulting from site demolition activities.

### **1.4. RELATED SECTIONS**

- 1.4.1. Section 01 33 00 - Submittal Procedures
- 1.4.2. Section 01 35 29.06 - Health and Safety Requirements
- 1.4.3. Section 01 35 43 - Environmental Procedures
- 1.4.4. Section 01 45 00 - Quality Control
- 1.4.5. Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
- 1.4.6. Section 31 23 33.01 - Excavating, Trenching and Backfilling.

### **1.5. SUBMITTALS**

- 1.5.1. Shop drawings
  - 1.5.1.1. Submit for approval drawings, diagrams or details showing sequence of demolition work and supporting structures and underpinning, where required by authorities having jurisdiction.
  - 1.5.1.2. Submit drawings stamped and signed by qualified professional engineer licensed in Province of Ontario, Canada.
- 1.5.2. Hazardous Materials: provide description of Hazardous Materials and Notification of Filing with proper authorities prior to beginning of Work as required.
- 1.5.3. Submit plan indicating:
  - 1.5.3.1. Descriptions of and anticipated quantities of materials to be salvaged, reused, recycled and landfilled.
  - 1.5.3.2. Detailed sequence of selective site demolition and removal work, with starting and ending dates for each activity.
  - 1.5.3.3. Number and location of dumpsters.
  - 1.5.3.4. Anticipated frequency of tippage.
  - 1.5.3.5. Interruption of utility services.
  - 1.5.3.6. Coordination for shutoff, capping, and continuation of utility services.
  - 1.5.3.7. Locations of temporary partitions and means of egress.

- 1.5.4. Submit copies of certified weigh bills, bills of landing from authorized disposal sites and reuse and recycling facilities for material removed from upon request from Owner.
- 1.5.5. Proposed Dust Control and Noise Control:
  - 1.5.5.1. Submit statement or drawing that indicates measures proposed for use, proposed locations, and proposed time frame for their operation.
- 1.5.6. Qualification Data:
  - 1.5.6.1. Submit information for companies and personnel indicating their capabilities and experience to perform work of this Section including; but not limited to, lists of completed projects with project names and addresses, for work of similar complexity and extent.

#### **1.6. ADMINISTRATIVE REQUIREMENTS**

- 1.6.1. Coordinate with Owner for the material ownership including the following:
  - 1.6.1.1. Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property. Demolished materials shall become Contractor's property and shall be removed from Project site.
  - 1.6.1.2. Historic items, relics, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, antiques, and other items of interest or value to Owner that may be encountered during demolition remain Owner's property:
    - (1) Carefully remove and salvage each item or object in a manner to prevent damage and deliver promptly to Owner.
    - (2) Coordinate with Owner, who will establish special procedures for removal and salvage operations.
- 1.6.2. Convene pre-installation meeting one week prior to beginning work of this section to:
  - 1.6.2.1. Verify project requirements.
  - 1.6.2.2. Review installation and substrate conditions.
  - 1.6.2.3. Verify existing site conditions adjacent to demolition work.
  - 1.6.2.4. Coordinate with other construction sub trades.
  - 1.6.2.5. Arrange for site visit with Owner to examine existing site conditions adjacent to demolition work, prior to start of Work.
- 1.6.3. Hold project meetings every month.
  - 1.6.3.1. Ensure key personnel, site supervisor, project manager, subcontractor representatives attend.
- 1.6.4. Scheduling:
  - 1.6.4.1. Employ necessary means to meet project time lines without compromising specified minimum rates of material diversion.
  - 1.6.4.2. Notify Owner in writing when unforeseen delays occur.

#### **1.7. DELIVERY, STORAGE AND HANDLING**

- 1.7.1. Protect existing items designated to remain and items designated for salvage. In event of damage to such items, immediately replace or make repairs to approval of Owner and at no cost to Owner.
- 1.7.2. Remove and store materials to be salvaged, in manner to prevent damage.
- 1.7.3. Store and protect in accordance with requirements for maximum preservation of material.

#### **1.8. SITE CONDITIONS**

- 1.8.1. In all circumstances ensure that demolition work does not adversely affect adjacent water courses groundwater and wildlife, or contribute to excess air and noise pollution.
- 1.8.2. Do not dispose, of waste or volatile materials such as mineral spirits, oil, petroleum based lubricants, or toxic cleaning solutions into watercourses, storm or sanitary sewers. Ensure proper disposal procedures are maintained throughout project.
- 1.8.3. Do not pump water containing suspended materials into watercourses, storm or sanitary sewers, or onto adjacent properties.
- 1.8.4. Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authorities.

- 1.8.5. Protect trees, plants and foliage on site and adjacent properties where indicated.
- 1.8.6. Prevent extraneous materials from contaminating air beyond application area, by providing temporary enclosures during demolition work.
- 1.8.7. Cover or wet down dry materials and waste to prevent blowing dust and debris. Control dust on all temporary roads.
- 1.8.8. Conduct selective site demolition so Owner's operations will not be disrupted.
  - 1.8.8.1. Provide not less than three (3) working days' notice to Owner of activities that will affect operations.
  - 1.8.8.2. Maintain access to existing walkways, exits, and other adjacent occupied or used facilities. Closing or obstructing walkways, exits, or other occupied or used facilities without written permission from Owner is not permitted.
- 1.8.9. Owner assumes no responsibility for Selective Site elements being demolished.
  - 1.8.9.1. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
  - 1.8.9.2. Before selective site demolition, remove, protect and store salvaged items as directed by Owner.

### **1.9. EXISTING CONDITIONS**

- 1.9.1. Prior to start of any demolition work remove contaminated or hazardous materials as defined by authorities having jurisdiction from site and dispose of at designated disposal facilities.
- 1.9.2. Site elements that will be demolished are based on their condition on date that tender is accepted.

## **2 PRODUCTS (NOT APPLICABLE)**

## **3 EXECUTION**

### **3.1. EXAMINATION**

- 3.1.1. Survey existing conditions and correlate with requirements indicated to determine extent of selective site demolition required.
- 3.1.2. Owner does not guarantee that existing conditions are the same as those indicated in Project Record Documents.
- 3.1.3. Inventory and record the condition of items being removed and salvaged.
- 3.1.4. When unanticipated mechanical, electrical, or structural elements are encountered, investigate and measure the nature and extent of the element. Promptly submit a written report to Owner.
- 3.1.5. Perform an engineering survey of condition of adjacent buildings to determine whether removing any site element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during selective site demolition operations.
- 3.1.6. Locate and protect utilities. Preserve active utilities traversing site in operating condition.
- 3.1.7. Notify and obtain approval of utility companies before starting demolition.

### **3.2. PREPARATION**

- 3.2.1. Temporary Erosion and Sedimentation Control:
  - 3.2.1.1. Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways.
  - 3.2.1.2. Inspect, repair, and maintain erosion and sedimentation control measures during demolition.
  - 3.2.1.3. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal after completion of demolition work.
- 3.2.2. Protection of in-place conditions:
  - 3.2.2.1. Prevent movement, settlement or damage of adjacent structures, services, walks, paving, trees, landscaping, adjacent grades properties, parts of existing building to remain.
    - (1) Provide bracing, shoring and underpinning as required.



- (2) Repair damage caused by demolition as directed by Owner.
  - 3.2.2.2. Support affected site elements and, if safety of site element being demolished, adjacent structures, or services appears to be endangered, take preventative measures, stop Work and immediately notify Owner.
  - 3.2.2.3. Prevent debris from blocking surface drainage system, elevators, mechanical and electrical systems which must remain in operation.
- 3.2.3. Surface Preparation:
  - 3.2.3.1. Disconnect electrical and service lines within the site to be demolished.
  - 3.2.3.2. Disconnect and cap designated mechanical services.
- 3.3. REMOVAL OF HAZARDOUS WASTES**
  - 3.3.1. Remove contaminated or dangerous materials defined by authorities having jurisdiction, relating to environmental protection, from site and dispose of in safe manner to minimize danger at site or during disposal.
- 3.4. REMOVAL OPERATIONS**
  - 3.4.1. Remove items as indicated.
  - 3.4.2. Do not disturb items designated to remain in place.
  - 3.4.3. Removal of Pavements, Curbs and Gutters
    - 3.4.3.1. Square up adjacent surfaces to remain in place by saw cutting or other method approved by Owner.
    - 3.4.3.2. Protect adjacent joints and load transfer devices.
    - 3.4.3.3. Protect underlying and adjacent granular material.
  - 3.4.4. When removing asphalt pavement for subsequent incorporation into hot mix asphalt concrete paving, prevent contamination with base course aggregates.
  - 3.4.5. When removing pipes under existing or future pavement area, excavate at least 300mm below pipe invert.
  - 3.4.6. Decommission water wells and monitoring wells in accordance with Provincial guidelines and regulations.
  - 3.4.7. Removal from site
    - 3.4.7.1. Interim removal of stockpiled material will be required by Owner, if it is deemed to interfere with operations of Owner or other contractors.
  - 3.4.8. Sealing
    - 3.4.8.1. Seal pipe ends and walls of manholes or catch basins as indicated. Securely plug to form watertight seal.
  - 3.4.9. Backfill
    - 3.4.9.1. Backfill in areas as indicated
- 3.5. RESTORATION**
  - 3.5.1. Restore areas and existing works outside areas of demolition to match conditions of adjacent, undisturbed areas.
  - 3.5.2. Use soil treatments and procedures which are not harmful to health, are not injurious to plants, and do not endanger wildlife, adjacent water courses or ground water.
- 3.6. CLEAN UP**
  - 3.6.1. Upon completion of work, remove debris, trim surfaces and leave work site clean.
  - 3.6.2. Use cleaning solutions and procedures which are not harmful to health, are not injurious to plants, and do not endanger wildlife, adjacent water courses or ground water.

**END OF SECTION**



## **1 GENERAL**

### **1.1. GENERAL INSTRUCTIONS**

- 1.1.1. Read and be governed by conditions of the Contract *Documents*, including sections of Division 1.

### **1.2. SECTION INCLUDES**

- .1 1.1. General Instructions
- .2 1.2. Section Includes
- .3 1.3. Summary
- .4 1.4. Submittals
- .5 1.5. Closeout Submittals
- .6 1.6. Quality Assurance
- .7 1.7. Delivery, Storage, And Handling
- .8 1.8. Extended Warranty
- .9 2.1. Acceptable Manufacturers
- .10 2.2. Hardware – Manual Controlled Shades
- .11 2.3. Assembly
- .12 2.4. Shade Mounting System
- .13 2.5. Aluminum Finish
- .14 2.6. Shade Fabric Types
- .15 2.7. Fabrication
- .16 3.1. Installation
- .17 3.2. Adjusting And Cleaning
- .18 3.3. Closeout Activities

### **1.3. SUMMARY**

- 1.3.1. Section Includes
  - 1.3.1.1. Roller window sunshades at interior locations.
  - 1.3.1.2. Roller window room darkening (black-out) shades at interior locations.

### **1.4. SUBMITTALS**

- 1.4.1. Submit required submittals in accordance with Section 01 33 00.
- 1.4.2. Product data sheets:
  - 1.4.2.1. Submit manufacturer's Product data sheets for Products proposed for use in the work of this section.
  - 1.4.2.2. Submit flammability performance data.
  - 1.4.2.3. Submit manufacturers' installation instructions.
- 1.4.3. Shop drawings:
  - 1.4.3.1. Submit shop drawings or fully dimensioned catalogue cuts.
  - 1.4.3.2. Window treatment schedule: Use same designations indicated on the Contract Documents.
  - 1.4.3.3. Clearly indicate general construction, configurations, jointing methods and locations, fastening methods, handing of controls, required blocking locations, banding (tandem shades), and installation details.
- 1.4.4. Samples:
  - 1.4.4.1. Submit samples of each material and finish colour selected and each accessory.

### **1.5. CLOSEOUT SUBMITTALS**

- 1.5.1. Submit closeout submittals in accordance with Section 01 77 00.
- 1.5.2. Operation and maintenance data:
  - 1.5.2.1. Submit manufacturer's operation and maintenance instructions for inclusion in the operation and maintenance manuals.

## **1.6. QUALITY ASSURANCE**

### **1.6.1. Qualifications:**

#### **1.6.1.1. Manufacturers:**

- (1) Company specializing in manufacturing the Products specified in this section, with a minimum of 10 years' experience.

#### **1.6.1.2. Installers / applicators / erectors:**

- (1) Work of this section shall be by forces in the direct employ or under control of the system manufacturer, skilled, trained, and experienced in work of similar scope and complexity.

### **1.6.2. Mock-ups:**

- 1.6.2.1. Erect 1 full size mock-up each roller shade type at the *Place of the Work* for review. Completed and accepted mock-up shall act as the standard to which balance of the work of this section will be judged.

## **1.7. DELIVERY, STORAGE, AND HANDLING**

- 1.7.1. Before delivery to the Place of the Work, check each shade for operation; remove finger marks and smudges.

- 1.7.2. Package Products to prevent distortion in shipment and handling. Label packages and crates and protect finish surfaces by sturdy wrappings.

## **1.8. EXTENDED WARRANTY**

- 1.8.1. Warrant work of this section in accordance with Section 01 78 36 for a period of 2 years.

## **2 PRODUCTS**

### **2.1. ACCEPTABLE MANUFACTURERS**

- 2.1.1. Subject to compliance with requirements, *Provide* products by one of the following manufacturers:

#### **2.1.1.1. Altex**

#### **2.1.1.2. Elite Window Fashions**

#### **2.1.1.3. MechoShade Systems, Inc.**

#### **2.1.1.4. Solarfective Products by Legrand Global**

#### **2.1.1.5. SunProject Inc.**

#### **2.1.1.6. Sun Glow Window Covering Products of Canada Ltd.**

#### **2.1.1.7. Or equivalent**

### **2.2. HARDWARE – MANUAL CONTROLLED SHADES**

- 2.2.1. Chain operated, with infinite positioning. Left or right hand operation and banding as applicable to suit *Place of the Work* condition.

#### **2.2.1.1. Drive assembly:**

- (1) Must allow finger tip control and include a built in shock absorber system to prevent chain breakage under normal operating conditions;
- (2) Factory set for the size and travel of the shades;
- (3) Capable of being field adjusted from the exterior of the shade unit without having to disassemble the hardware.
- (4) Drive Chain: No. 10 stainless steel bead chain formed in a continuous loop. The chain shall have passed a 40 kg (90 lb) load test. Chain may be positioned at either, or both, ends of the shade without disassembly of the shade unit.
- (5) Provide counter balancing mechanism designed to offset the weight of the shade and give fingertip control.

- 2.2.2. Control shades and room darkening shades independently.

### **2.3. ASSEMBLY**

- 2.3.1. Provide fully factory assembled shade unit consisting of 2 shade brackets, one piece extruded aluminum shade tube, extruded aluminum fascia, aluminum profile hembars, extruded vinyl fabric spline, and fabric as specified.

- 2.3.2. Fabric shall hang straight, without shifting sideways more than 3 mm (1/8") in either direction due to warp distortion or weave design.
- 2.3.3. Factory modify housings where necessary to bypass columns.
- 2.3.4. End brackets:
  - 2.3.4.1. A two piece molded ABS construction with nylon drive sprocket. Bracket colour shall coordinate with the fascia colour.
- 2.3.5. Shade tube:
  - 2.3.5.1. Minimum 1.52 mm (0.060") thick extruded aluminum with three equally spaced continuous stiffening fins, non-sag design, maximum deflection under full load of fabric L/700.
- 2.3.6. Fascia:
  - 2.3.6.1. Minimum 1.5 mm (1/6") thick extruded aluminum.
- 2.3.7. Hembar:
  - 2.3.7.1. Extruded aluminum with matching plastic end finials.
- 2.3.8. Mounting:
  - 2.3.8.1. Removal of shade system shall not require the disassembly of the shade unit.
- 2.3.9. Room darkening shade features:
  - 2.3.9.1. 13 mm (1/2") pile mounted in prefinished 38 mm x 28 mm (1-1/2" x 1-1/8") extruded aluminum side and bottom channels finished to match mullions. Include Dynamic hembar to allow for variance in window sill level.

## **2.4. SHADE MOUNTING SYSTEM**

- 2.4.1. Design extruded aluminum bracket to accept preassembled shade system.
  - 2.4.1.1. Use brackets to facilitate the alignment with shade opening.
- 2.4.2. Modular construction:
  - 2.4.2.1. Shades shall be removable as a complete modular unit without any component disassembly required.

## **2.5. ALUMINUM FINISH**

- 2.5.1. Exposed aluminum: Clear anodized AA-M12C22A31.
- 2.5.2. Unexposed aluminum: Mill finish.

## **2.6. SHADE FABRIC TYPES**

- 2.6.1. Sun control fabric; dimensionally stable shade fabric:
  - 2.6.1.1. Acceptable Products; 3% open area:
    - (1) Solarfective 'Solarblock 300 Series'
    - (2) or equivalent.
  - 2.6.1.2. Colour: as selected by the *Consultant* from the manufacturer's full range.
- 2.6.2. Room darkening (blackout) fabric; dimensionally stable fabrics:
  - 2.6.2.1. Acceptable Products:
    - (1) Solarfective Products Limited 'SolarStop Blackout Fabric'
    - (2) or Equivalent.
  - 2.6.2.2. Colour: as selected by the *Consultant* from the manufacturer's full range.
- 2.6.3. Performance:
  - 2.6.3.1. Fabric shall hang flat, without buckling or distortion. Edge, where trimmed, shall hang true and straight, without shifting sideways more than 3 mm (1/8") in either direction due to warp distortion or weave design.
  - 2.6.3.2. Colour fast, retain its shape, and not be affected by moisture or heat.
- 2.6.4. Flammability:
  - 2.6.4.1. Certified by an independent Laboratory to pass CAN/ULC S109-14.

## **2.7. FABRICATION**

- 2.7.1. Finished assemblies shall be, square, true to size and free from distortion, twist, or other defects that could affect their strength, operation or appearance.
- 2.7.2. Factory applied finish shall be uniform, smooth and without blemishes.

- 2.7.3. The fabric shall be colour fast, retain its shape, not be affected by moisture or heat, and shall be non-flammable. Cut fabric to eliminate glare and reflection from shining surfaces while maintaining exterior view. The top of the fabric is retained in recessed spline of the shade roller and the bottom of the fabric is retained by the hem bar.

### **3 EXECUTION**

#### **3.1. INSTALLATION**

- 3.1.1. Install shade systems in plumb, squared, adequately anchored, maintaining uniformed clearances, accurate alignment levels, and parallel with the window plane. Fabric shall not travel more than 3 mm (1/8") in either direction within channels after installation.
- 3.1.2. Fabric shall be pre-measured and manufactured off-Site.
- 3.1.3. Shades shall be snapped into place without screws or visible fasteners.
- 3.1.4. Incorporate reinforcing, fastening and anchorage required for installation of shades.
- 3.1.5. Securely attach installation fittings to their mounting surfaces with stainless steel or hardened aluminum screws of proper length and type, and durable anchors.
- 3.1.6. Install shade roller true and level, and with cloth to hang flat without buckling or distortion.
- 3.1.7. Room darkening shades (black-out) to be installed to eliminate passage of light from exterior.

#### **3.2. ADJUSTING AND CLEANING**

- 3.2.1. Verify that installed shade system functions properly and adjust it accordingly to ensure satisfactory operation.
- 3.2.2. Refinish damaged or defective work so that no variation in surface appearance is discernible.

#### **3.3. CLOSEOUT ACTIVITIES**

- 3.3.1. Demonstration
- 3.3.1.1. Before acceptance of system, arrange for demonstration of equipment with authorized representatives of the Owner, to be performed by representative of shade manufacturer to assure proper function, operation and explanation.
- 3.3.1.2. Conduct comprehensive demonstration for the Owner's staff on operation and care of interior window treatments.

**END OF SECTION**

## **1 GENERAL**

### **1.1. GENERAL INSTRUCTIONS**

- 1.1.1. Read and be governed by conditions of the Contract *Documents*, including sections of Division 1.

### **1.2. SECTION INCLUDES**

- .1 1.1. General Instructions
- .2 1.2. Section Includes
- .3 1.3. Summary
- .4 1.4. Definitions
- .5 1.5. Submittals
- .6 1.6. Project Conditions
- .7 2.1. Soil Materials
- .8 3.1. Preparation
- .9 3.2. Temporary Erosion And Sedimentation Control
- .10 3.3. Existing Utilities
- .11 3.4. Clearing And Grubbing
- .12 3.5. Topsoil Stripping
- .13 3.6. Site Improvements
- .14 3.7. Disposal
- .15 3.8. Stockpiling

### **1.3. SUMMARY**

- 1.3.1. This section pertains to the specifications for clearing and grubbing, topsoil removal and stockpiling, disconnecting, capping or sealing, and abandoning site utilities in place, and disposal of all vegetation, rubbish and excess material, as required for site grading and related staging areas as noted on the drawings and in accordance with these specifications. Protecting any existing trees, shrubs, groundcovers, plants and grass to remain shall be dictated by Section 02 41 13 Selective Site Demolition.

### **1.4. DEFINITIONS**

- 1.4.1. Tree Protection Zone: Area surrounding individual trees or groups of trees to be protected during construction, and defined by the drip line of individual trees or the perimeter drip line of groups of trees, unless otherwise indicated.
- 1.4.2. Subgrade: The uppermost surface of an excavation, including excavation for trenches, or the top surface of a fill or backfill immediately below base course, pavement, or topsoil materials.
- 1.4.3. Unauthorized excavation consists of removing materials beyond indicated subgrade elevations or dimensions without direction by the Owner's representative. Unauthorized excavation, as well as remedial work directed by the Owner's Rep shall be at the Contractor's expense.
- 1.4.4. Subsoil: All soil beneath the topsoil layer of the soil profile, and typified by the lack of organic matter and soil organisms.
- 1.4.5. Surface Soil: Soil that is present at the top layer of the existing soil profile at the Project site. In undisturbed areas, the surface soil is typically topsoil; but in disturbed areas such as urban environments, the surface soil can be subsoil.
- 1.4.6. Topsoil: Friable clay loam surface soil containing 2.5% to 12% organic matter. Topsoil shall be free of subsoil, clay lumps, stones, rocks, weeds, roots, construction debris, and other unsuitable materials as determined and approved by the Project Representative.
- 1.4.7. Vegetation: Trees, shrubs, groundcovers, grass, and other plants.

### **1.5. SUBMITTALS**

- 1.5.1. Photographic and/or digitally recorded documentation, sufficiently detailed, of existing conditions of trees and plantings, adjoining construction, and site improvements must be

prepared. Unless otherwise documented, any damage discovered to trees, plantings, and site features denoted to remain, will be considered the responsibility of the contractor to correct. The owner may at his/her discretion request such photographs and/or video tapes be submitted at any time.

- 1.5.2. Record drawings, according to Division 01, identifying and accurately locating capped utilities and other subsurface structural, electrical, and mechanical conditions.

## **1.6. PROJECT CONDITIONS**

- 1.6.1. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.
  - 1.6.1.1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
  - 1.6.1.2. Provide alternate routes around closed or obstructed traffic ways if required by authorities having jurisdiction.
- 1.6.2. Salvable Improvements: Carefully remove items indicated on drawings to be salvaged and store on Owner's premises where indicated. Contractor to contact Owner's representative for coordination.
- 1.6.3. Do not commence site clearing operations until temporary erosion and sedimentation control measures are in place
- 1.6.4. Utility Locator Service: GC to obtain locates for area where Project is located before site clearing.
- 1.6.5. Staging Areas - Approval must be obtained from the Owner to use any area for staging that is not specifically identified as such on the plans. The Contractor shall restore all areas used for staging, the extent of said restoration to be defined by the Owner upon granting approval for the use of said area for staging

## **2 PRODUCTS**

### **2.1. SOIL MATERIALS**

- 2.1.1. Satisfactory Soil Materials: Requirements for satisfactory soil materials are specified in Division 31 Section 31 22 13 "Site Grading"
  - 2.1.1.1. Obtain approved borrow soil materials off-site when satisfactory soil materials are not available on-site.

## **3 EXECUTION**

### **3.1. PREPARATION**

- 3.1.1. Protect and maintain benchmarks and survey control points from disturbance during construction.
- 3.1.2. Protect existing site improvements to remain from damage during construction.
  - 3.1.2.1. Restore damaged improvements to their original condition, as acceptable to Owner.
- 3.1.3. Locate and clearly flag trees and vegetation to remain or to be relocated
- 3.1.4. Control dust and noise, perform work in accordance with requirement of authorities having jurisdiction. No explosives are permitted. No on-site burning is permitted.

### **3.2. TEMPORARY EROSION AND SEDIMENTATION CONTROL**

- 3.2.1. Provide temporary erosion and sedimentation control measures per Section 31 25 13 "Erosion and Sedimentation Controls".
- 3.2.2. Provide measures according to a sediment and erosion control plan, specific to the site, which complies with EPA 832/R-92-005 or requirements of authorities having jurisdiction, whichever is more stringent.
- 3.2.3. Inspect, repair, and maintain erosion and sedimentation control measures during
- 3.2.4. construction until permanent vegetation has been established.
- 3.2.5. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal

### **3.3. EXISTING UTILITIES**

- 3.3.1. Locate, identify, disconnect, and seal or cap off utilities indicated to be removed
  - 3.3.1.1. Arrange with utility companies to shut off indicated utilities. Contractor is responsible for any service charge required for shut-off action.
- 3.3.2. Known utilities are shown on drawings. If utility discovered that is not shown contact Owner's representative for direction. Do not interrupt unknown utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
  - 3.3.2.1. Notify Owner's representative not less than two weeks in advance of proposed utility interruptions.
  - 3.3.2.2. Do not proceed with utility interruptions without Owner's written permission.

### **3.4. CLEARING AND GRUBBING**

- 1.1.1. Remove obstructions, trees, shrubs, and other vegetation to permit installation of new construction.
  - 1.1.1.1. A Preconstruction Meeting is required prior to land disturbance activities. Existing conditions of vegetation to remain will be documented and kept in the construction trailer.
  - 1.1.1.2. Do not remove trees, shrubs, and other vegetation indicated to remain or to be relocated.
  - 1.1.1.3. Contractor shall repair or replace trees and vegetation indicated to remain that are damaged by construction operations, in a manner approved by Owner and Landscape Architect.
  - 1.1.1.4. Grind down stumps and remove roots, obstructions, and debris to a depth of 18 inches below exposed subgrade.
  - 1.1.1.5. Use only hand methods for grubbing within protection zones.
  - 1.1.1.6. Chip removed tree branches and dispose of off-site.
- 1.1.2. Fill depressions caused by clearing and grubbing operations with satisfactory soil material unless further excavation or earthwork is indicated.
  - 1.1.2.1. Place fill material in horizontal layers not exceeding a loose depth of 8 inches and compact each layer to a density equal to adjacent original ground.

### **3.5. TOPSOIL STRIPPING**

- 3.5.1. Topsoil stripping:
  - 3.5.1.1. Remove sod and grass before stripping topsoil.
  - 3.5.1.2. Strip topsoil to whatever depths are encountered in a manner to prevent intermingling with underlying subsoil or other waste materials. A minimum of six (6) inches of soil shall be stripped. This must be verified with the geotechnical report provided by the owner for this project. If discrepancy, review with Owner prior to start of work.
    - (1) Remove subsoil and nonsoil materials from topsoil, including trash, debris, weeds, roots, and other waste materials.
  - 3.5.1.3. Stockpile topsoil materials away from edge of excavations without intermixing with subsoil. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust.
    - (1) Do not stockpile topsoil within tree protection zones.
    - (2) Stockpile surplus topsoil to allow for re-spreading deeper topsoil.
  - 3.5.1.4. Strip man-made fills under structures and pavements to minimum 12" below the ground surface and dispose of all waste materials.
- 3.5.2. At all times during clearing and stripping operations the area shall be kept in a manner to prevent ponding. Refer to Section 31 25 13 "Erosion and Sedimentation Control."

### **3.6. SITE IMPROVEMENTS**

- 3.6.1. Remove existing above- and below-grade improvements as indicated and as necessary to facilitate new construction.



- 3.6.2. Remove slabs, paving, curbs, gutters, and aggregate base as indicated.
  - 3.6.2.1. Unless existing full-depth joints coincide with line of demolition, neatly saw-cut length of existing pavement to remain before removing existing pavement. Saw-cut faces vertically.
  - 3.6.2.2. Paint cut ends of steel reinforcement in concrete to remain to prevent corrosion.

### **3.7. DISPOSAL**

- 3.7.1. Disposal of cleared materials - Subject to approval of the Owner, material from clearing operations shall be disposed of by removal from the worksite.
  - 3.7.1.1. Disposal of Material by Removal
    - (1) Material disposed of by removal from the construction area shall be removed from the areas prior to the completion of the work under these specifications. All materials removed shall become the property of the Contractor.
    - (2) Materials to be disposed of by dumping shall be hauled to an approved dump. It shall be the responsibility of the Contractor to make any necessary arrangements with private parties and with local officials pertinent to locations and regulations of such dumping. Any fees or charges required to be paid for dumping of materials shall be paid by the Contractor.
    - (3) In hauling any material from the site, it shall be the responsibility of the Contractor to prevent debris from dropping from vehicles and littering the site or area streets and roads. The Contractor shall promptly remove any debris which falls from vehicles.
    - (4) Separate recyclable materials produced during site clearing from other nonrecyclable materials. Store or stockpile without intermixing with other materials and transport them to recycling facilities

### **3.8. STOCKPILING**

- 3.8.1. All topsoil from the stripping operations shall be stockpiled in the areas so designated on the drawings. Materials shall be deposited and spread in such a manner to ensure proper drainage and prevent severe erosion of the stockpile.
- 3.8.2. Stockpile borrow materials and satisfactory excavated soil materials. Stockpile soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
  - 3.8.2.1. Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees.

**END OF SECTION**



## **1 GENERAL**

### **1.1. GENERAL REQUIREMENTS**

- 1.1.1. Read and be governed by conditions of the Contract *Documents*, including sections of Division 1.

### **1.2. SECTION INCLUDES**

- .1 1.1. General Requirements
- .2 1.2. Section Includes
- .3 1.3. Section Includes
- .4 1.4. Related Sections
- .5 1.5. Conformance
- .6 1.6. References
- .7 1.7. Objectives
- .8 1.8. Description Of Work
- .9 1.9. Kick-Off Meeting
- .10 1.10. Submittals
- .11 3.1. Procedures
- .12 3.2. Inspections & Maintenance
- .13 3.3. Removal Of Products

### **1.3. SECTION INCLUDES**

- 1.3.1. Overview of erosion and sedimentation control requirements and procedures.

### **1.4. RELATED SECTIONS**

- 1.4.1. Section 31 22 13 – Site Grading  
1.4.2. Section 31 23 33.01– Excavation, Trenching and Backfilling

### **1.5. CONFORMANCE**

- 1.5.1. Comply with the approved Erosion and Sediment Control Plan.  
1.5.2. Sediment control measures shall be as indicated on drawings, as required by site features, or as directed by the Contract Administrator. All sediment control measures shall be constructed before any other construction activity and shall remain until construction is complete or as directed by the Contract Administrator.  
1.5.3. All erosion and sediment control measures are to be regularly inspected and maintained, as required, to the satisfaction of the Contract Administrator.  
1.5.4. During all construction phases, mud tracking control, consisting of flushing and sweeping roads, is to be provided for all roads, as warranted, in accordance with the Erosion and Sediment Control Plan.  
1.5.5. Contractor shall ensure that all conditions of the AHJ are observed and compliance is maintained at all times.

### **1.6. REFERENCES**

- 1.6.1. U.S. Environmental Protection Agency, Office of Water. "Chapter 3: Sediment and Erosion Control" and Chapter 4: Other Controls". Document No. EPA 832-R-92-005 Storm Water Management for Construction Activities. 1992.  
1.6.2. Canada Green Building Council. "Sustainable Sites Prerequisite 1: Erosion & Sedimentation Control". Leadership in Energy and Environmental Design Reference Package for New Construction & Major Renovations (LEED Canada-NC) Version 1.0 2004.

### **1.7. OBJECTIVES**

- 1.7.1. Prevent the loss of soil from the construction site resulting from storm water runoff, wind erosion, and construction activities.

- 1.7.2. Prevent the sedimentation of storm sewers and receiving waters.
- 1.7.3. Prevent air pollution caused by dust and particulate matter.
- 1.7.4. Meet or exceed the requirements of LEED Canada-NC Version 1.0 Sustainable Sites Prerequisite 1 "Erosion & Sedimentation Control" which specifies compliance with EPA832/R-92-005 (September 1992), Storm Water Management for Construction Activities, Chapter 3, or local erosion and sedimentation control standards and codes, whichever is more stringent.

## **1.8. DESCRIPTION OF WORK**

- 1.8.1. Erosion and sedimentation control activities shall include:
  - 1.8.1.1. Implementing erosion and sedimentation control measures shown on the drawings and described in this Section
  - 1.8.1.2. Installing erosion and sedimentation control products in accordance with manufacturer instructions and the prescribed installation procedures in the referenced EPA document
  - 1.8.1.3. Supervising on site erosion and sedimentation control activities on a daily basis
  - 1.8.1.4. Coordinating erosion and sedimentation control tasks with subcontractors to ensure timely and orderly progress of the work
  - 1.8.1.5. Conducting erosion and sedimentation control inspections and making necessary repairs
  - 1.8.1.6. Maintaining an erosion and sedimentation control inspection log to document observations, deficiencies and corrective actions
  - 1.8.1.7. Preparing erosion and sedimentation control documentation and submittals as detailed herein
  - 1.8.1.8. Reporting erosion and sedimentation control progress to the Consultant

## **1.9. KICK-OFF MEETING**

- 1.9.1. Prior to mobilization on-site, the Contractor shall hold a kick-off meeting with the Contract Administrator to review erosion and sedimentation control requirements. This meeting shall include a review of:
  - 1.9.1.1. Erosion and sedimentation control objectives
  - 1.9.1.2. Erosion and sedimentation control requirements and procedures
  - 1.9.1.3. Erosion and sedimentation control documentation and submittals

## **1.10. SUBMITTALS**

- 1.10.1. Schedule E1 – ESC Inspection and Photograph Checklist
  - 1.10.1.1. Using the checklist for reference, conduct an inspection of all erosion and sedimentation control measures implemented onsite each week and following any significant storm event (0.5 inches of precipitation or greater).
  - 1.10.1.2. Inspections shall commence when the site is "disturbed" (i.e. when site work begins) and carry through until final landscaping is complete.
  - 1.10.1.3. Provide a minimum of 3 digital photographs of each ESC measure implemented on-site. Record the date each photograph was taken in the checklist. Photographs are required at the following occasions:
    - .1 Immediately following installation,
    - .2 In-situ and,
    - .3 At the end of construction or prior to removal, whichever comes first
  - 1.10.1.4. Coordinate photo requirements with the Contract Administrator.
  - 1.10.1.5. Submit the completed checklist and accompanying photos to the Contract Administrator after construction and prior to Contractor demobilization.
- 1.10.2. Schedule E2 – ESC Inspection Log
  - 1.10.2.1. Complete the log on a weekly basis. The log shall commence when the site is "disturbed" (i.e. when site work begins) and carry through until final landscaping is complete.
  - 1.10.2.2. The inspection log shall be completed for each inspection and must document:

- .1 Deficiencies related to the measures listed in Schedule E1 – ESC Inspection and Photograph Checklist and,
- .2 Corrective actions taken to remedy the deficiencies
- .3 Each deficiency must be initialed and each log signed after all corrective measures have been completed and documented.
- .4 Submit an up-to-date copy of the ESC Inspection Log to the Consultant on a monthly basis.
- .5 Submit a compilation of the completed logs to the Consultant after construction and prior to Contractor demobilization.

## 2 PRODUCTS

NOT USED

## 3 EXECUTION

### 3.1. PROCEDURES

#### 3.1.1. Installation

- 3.1.1.1. Install erosion and sedimentation control products as per this Section and Civil drawings.
- 3.1.1.2. Install erosion and sedimentation control products in accordance with manufacturer instructions and the prescribed installation procedures in the referenced EPA document and as described in the ESC Plan drawing.

#### 3.1.2. General Practices

##### 3.1.2.1. Site Arrangement

- .1 All construction trailers and equipment shall be positioned to reduce the disturbance of the site. They shall be located close to the current phase of construction to minimize traffic damage to the site.

##### 3.1.2.2. Stabilized Construction Entrance (SCE)

- .1 Construct a SCE before construction begins at every point where traffic leaves the site and enters onto a public road and/or any unpaved entrance/exit location where there is a risk of transporting mud or sediment onto paved roads.
- .2 The SCE must be at least 3.65m wide, with room for two vehicles to pass at high traffic areas, and constructed of 50mm dia. clear stone, 150mm dia. rip rap, and filter fabric with the following characteristics:
  - (A) Grab Tensile Strength: 220lbs
  - (B) Elongation Failure: 60%
  - (C) Mullen Burst Strength: 430lbs
  - (D) Puncture Strength: 125lbs
  - (E) Equivalent Opening: Size 40-80 (US std Sieve)
- .3 Material Stockpiling
  - (A) If material that has been stockpiled and will not be used within 14 days, it must be stabilized using one of the following measures:
    - (a) Temporary Seeding
    - (b) Tarps
    - (c) Compaction
    - (d) Surface Roughening

#### 3.1.3. Stabilization Practices

##### 3.1.3.1. Temporary Seeding

- .1 Use temporary seeding to reduce soil erosion by stabilizing areas disturbed by construction that will not be brought to final grade within 30 days.
- .2 Areas that may require temporary seeding include, but may not be limited to soil stock piles, dikes, dams and sides of sediment basins and traps.

- .3 Species used for temporary seeding must be fast growing, native or adapted, not require permanent irrigation and not be invasive.
      - .4 Till/loosen compacted soil prior to planting seed.
    - 3.1.3.2. Permanent Seeding
      - .1 Apply permanent seeding to any graded or cleared area as specified on the landscaping plan.
      - .2 Plant native grass, tree and shrub species in favourable growth conditions. For areas outside of construction activity, plant species within three (3) weeks of construction start.
      - .3 Species shall not require permanent irrigation after the first two years or fertilizers containing phosphorus. Species must not be invasive.
      - .4 Use topsoil on areas where topsoil has been removed, where the soil is dense or impermeable, or where mulching and fertilizers alone cannot improve soil quality. Make topsoil layers at least 2 inches deep, or similar to the existing topsoil depth.
  - 3.1.4. Structural Practices
    - 3.1.4.1. Silt Fence
      - .1 Construct posts with a filter fabric media to remove sediment from storm water volumes flowing through the fence.
      - .2 The lower edge of the fence is to be vertically trenched and covered by backfill.
      - .3 Filter fabric should be a pervious sheet of polypropylene, nylon, polyester, polyethylene, or equivalent and have the following characteristics:
        - (A) Filtering Efficiency: 75%-85% (minimum)
        - (B) Tensile Strength at 20% (maximum) Elongation: Standard Strength = 30 lb/linear in. (min.), Extra Strength = 50 lb/linear in. (min.)
        - (C) Slurry Flow Rate: 0.3 gal/ft<sup>2</sup>/min (min.)
  - 3.1.5. Outlet Protection
    - 3.1.5.1. Install stone, riprap, concrete aprons, paved sections, or settling basins at all pipe, interceptor dike, swale, or channel section outlets where the velocity of flow may cause erosion or pools at the outlet of an erosion and sedimentation control measure.
  - 3.1.6. Inlet Protection
    - 3.1.6.1. Install straw bales, stone, concrete masonry units and stone, filter fabric, or silt fences around catch basins and manhole covers to prevent silting of inlets, storm drainage systems, or receiving channels.
  - 3.1.7. Surface Roughening
    - 3.1.7.1. Create horizontal grooves, depressions, or steps that run parallel to the contour of the land.
    - 3.1.7.2. Use surface roughening on all slopes, as soon as possible after the vegetation has been removed.
    - 3.1.7.3. Methods of surface roughening are stair-step grading, grooving (using disks, spring harrows, or teeth on a front-end loader), and tracking (driving a crawler tractor up and down a slope, leaving the cleat imprints parallel to the slope contour).

### **3.2. INSPECTIONS & MAINTENANCE**

- 3.2.1. Using Schedule E1 – ESC Inspection and Photograph Checklist for reference, inspect all erosion and sedimentation control measures at least once each week and following any significant storm event (0.5 inches of precipitation or greater).
- 3.2.2. All erosion and sedimentation control measures must be maintained in good working order. If maintenance or repairs are identified they must be completed within 24 hours.
- 3.2.3. Schedule E2 – ESC Inspection Log (1.8.2) must be completed for each inspection.
- 3.2.4. Inspection procedures specified below summarize the EPA document and shall be followed in conjunction with details, drawings, and manufacturer requirements.

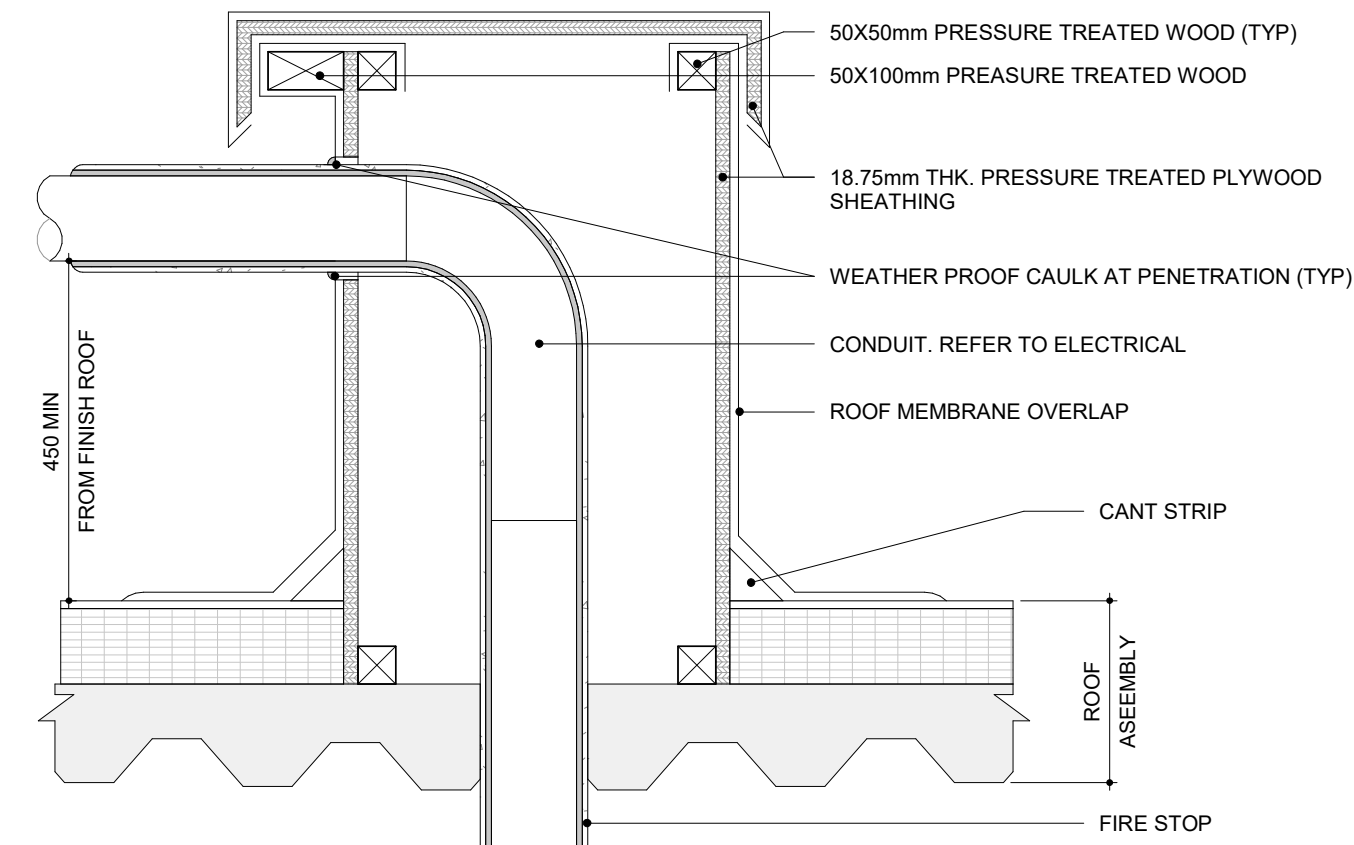
- 3.2.4.1. Stabilized Construction Entrance: Apply additional gravel as required, remove sediments and other materials from all areas to minimize clogging. Keep adjacent public roadway(s) free of sediment.
- 3.2.4.2. Material Stockpile: Inspect for effective prevention of runoff and erosion.
- 3.2.4.3. Temporary Seeding: If plants do not grow quickly or thick enough to prevent erosion, reseed the area as soon as possible. Keep seeded areas adequately moist. If irrigation is required, over-watering shall be avoided. Phosphorus-containing fertilizers are not to be used.
- 3.2.4.4. Permanent Seeding: Inspect for sufficient growth and water conditions. Replant areas as per installation instructions (refer to 3.1.3) if cover does not provide erosion control.
- 3.2.4.5. Silt Fence: Silt fence to be inspected for depth of sediment, tears, loose fabric attachment at the fence posts, channel erosion beneath fence, sagging or collapse and to ensure the fence posts are firmly in the ground. Built up sediment is to be removed from silt fence when it has reached one-third the height of the fence. Repair such that fence is in original installation condition.
- 3.2.4.6. Outlet Protection: Inspect outlet for erosion and pooling of water. Necessary repairs to be made as required to reduce exit velocity of runoff. If a riprap apron is used, inspect for riprap displacement and damage to filter fabric.
- 3.2.4.7. Inlet Protection: Inspect that measures are in original installed condition. Ensure measures are effectively trapping sediment. Remove accumulated sediment and debris when it reaches ½ the design depth of the trap. Repair protection measures as required.
- 3.2.4.8. Surface Roughening: Inspect for small eroded watercourses, as little as a few inches deep, or washout of roughened grading. Fill, regrade, and reseed immediately.

### **3.3. REMOVAL OF PRODUCTS**

- 3.3.1. Erosion and sedimentation control measures shall be maintained and inspected until final landscaping is complete.

### **END OF SECTION**





EXECUTION NOTES:  
1. FULL DEPTH AND WIDTH OF DOG HOUSE SHALL BE CONFIRMED ON SITE

## 2 DOG HOUSE DETAIL

1 : 10

MECH. UNIT C/W DRIP DEFLECTOR & CONT.  
8mm NEOPRENE SEAL

18 GA. (TO BE ENG'D) GALV. METAL ROOF CURB FOR MECH. UNIT SUPPORT CONT. WELDED @ SEAMS W/ ENG'D ANCHORAGE TO ROOF STRUCTURE. INSTALL AIR/VAP. BARRIER TRANSITION MEMBRANE FROM ROOF CURB (BOTH SIDES) DOWN ONTO ROOF DECK 200mm MIN.

INSTALL PRE-FIN. METAL HOOKING STRIPS W/ DRIP FLASHING COVER HOOKED IN BOTH INNER & OUTER HOOKING STRIPS W/ 2GA. SHORT FLASHING DOWN OVER ROOFING MEMBRANES UP/TURNS TO CANT. STRIP

75mm MIN. RIGID INSUL. & 16mm R/T PLVWD. ADHERED OR MECH. FASTENED TO ROOF CURB. RETURN ROOFING MEMBRANES UP ON BOTH SIDES OF CURB TO TOP OF CURB & INSTALL ADDITIONAL ROOFING MEMBRANE OVER TOP OF CURB TO SEAL W/ 100mm MIN. DOWNTURN

TAPERED INSULATION

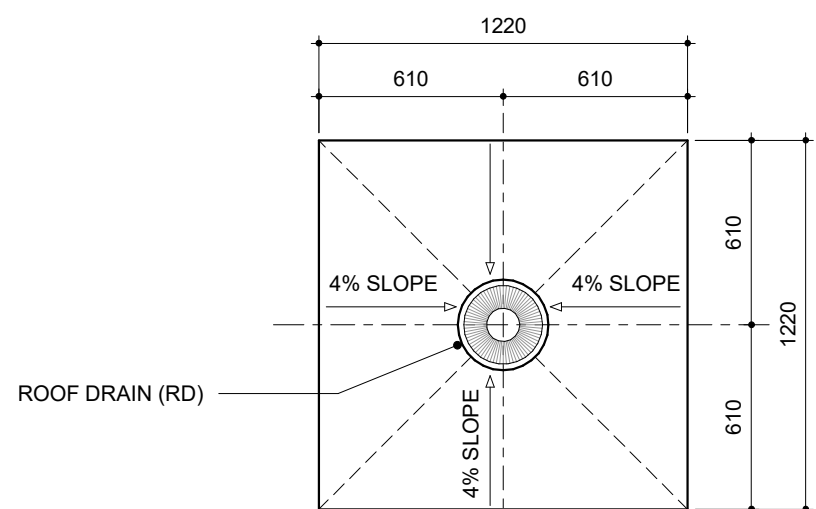
TOP OF STRUCTURE

COORDINATE OPENINGS AS REQUIRED

EXECUTION REQUIREMENTS  
1. ROOF MOUNTED EQUIPMENT AND FITTINGS THAT REQUIRE A ROOF CURB SHALL BE SUPPORTED BY A CURB OF SUFFICIENT HEIGHT SO THAT THE TOP OF CURB IS AT MINIMUM 250mm ABOVE THE ADJACENT ROOF SURFACE.  
2. ROOF CURB HEIGHT (CH) SHALL BE NOTED ON SHOP DRAWING SUBMITTALS. ROOF CURB HEIGHT SHALL BE THE THICKNESS OF THE ROOF ASSEMBLY + 250mm.  
3. ALL CURB LOCATIONS SHALL BE COORDINATED WITH STRUCTURAL STEEL SUBMITTALS.  
4. CONTRACTOR SHALL COORDINATE WITH SUPPLIERS / MANUFACTURERS ACCORDINGLY.

## 3 ROOF CURB DETAIL

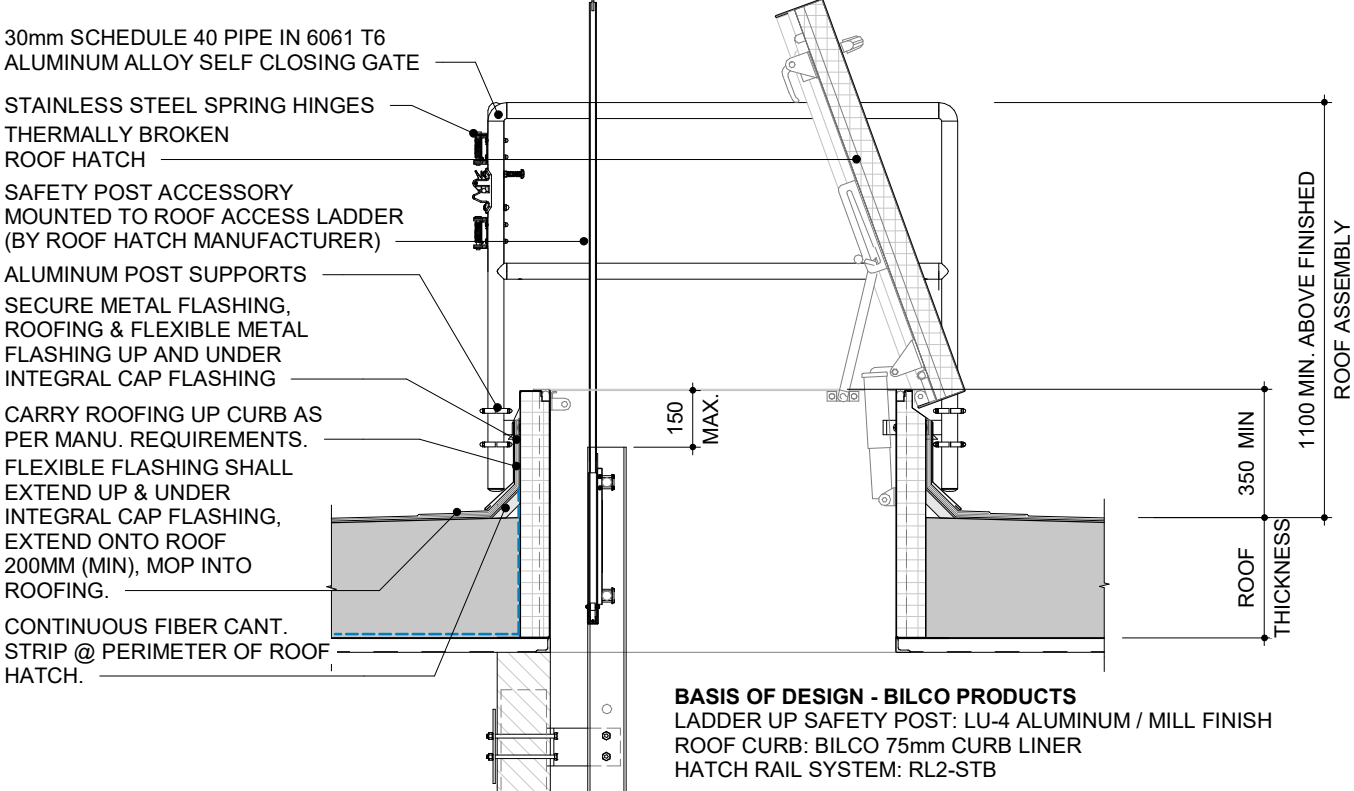
1 : 10



EXECUTION REQUIREMENTS  
1. UNLESS NOTED OTHERWISE, ALL ROOF DRAINS SHALL BE SUMPED IN ACCORDANCE WITH APPLICABLE CRCA DETAIL.  
2. MIN SLOPE OF SUMP FROM SUMP EDGE TO DRAIN - 4%.  
3. ROOF DRAIN TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION

## 4 ROOF DRAIN SUMP

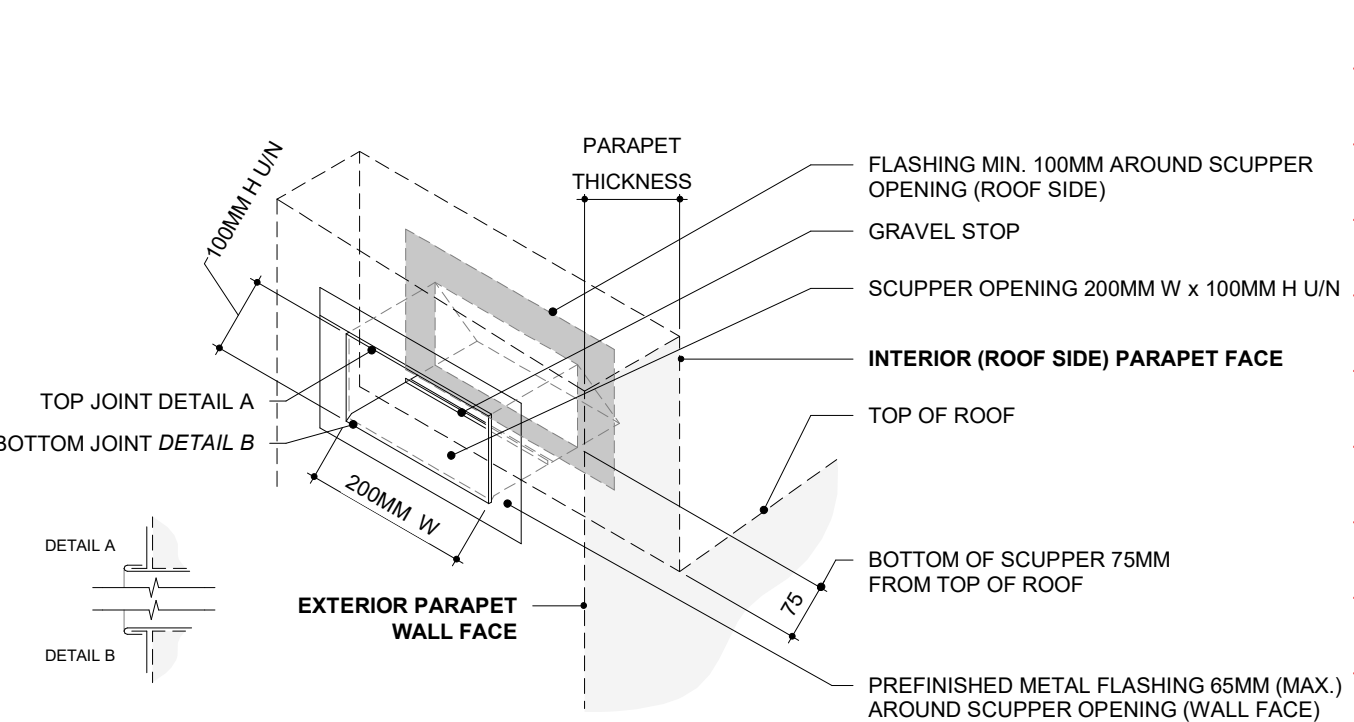
1 : 25



EXECUTION NOTES  
1. THERMALLY BROKEN ROOF HATCH SHALL BE INSTALLED WITH CUSTOM FULL HEIGHT CURB TO ENSURE THERMAL PERFORMANCE OF THE BUILDING ENVELOPE.  
2. TOP OF ROOF HATCH SHALL BE AT MINIMUM 350mm ABOVE THE ADJACENT FINISHED ROOF SURFACE.  
3. TOP OF ROOF HATCH HEIGHT MUST BE NOTED ON SUBMITTALS.

## 5 ROOF HATCH DETAIL

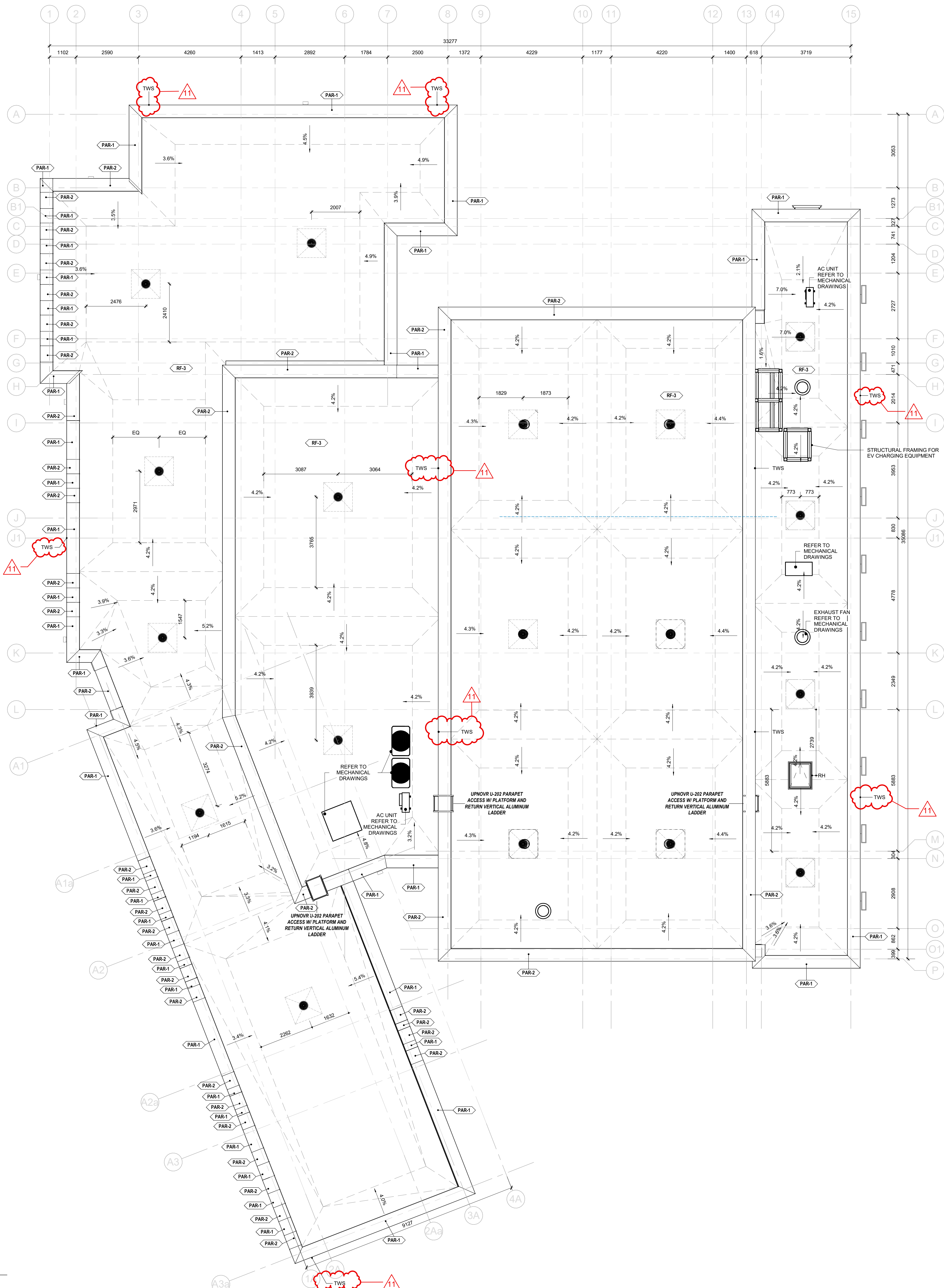
1 : 20



EXECUTION NOTES  
1. FABRICATE AND INSTALL IN ACCORDANCE WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL - CURRENT EDITION  
2. ALL JOINTS - METAL SHALL BE SOLDERED - ALUMINUM SHALL BE WELDED

## 6 THROUGHWALL SCUPPER (TWS) - OVERFLOW TYPE

1 : 10



### GENERAL NOTES - ROOF PLAN

- GENERAL REQUIREMENTS**
  - ROOF PLAN DOES NOT SHOW ALL PENETRATIONS THROUGH ROOF.
  - CONTRACTOR SHALL REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL SCOPE OF WORK.
  - MAKE PROVISIONS FOR ROOF PENETRATIONS WHERE INDICATED AND REQUIRED UNDER THE SCOPE OF THIS CONTRACT.
- INSULATION**
  - PROVIDE TAPERED INSULATION AT PERIMETER OF ALL ROOFS, SKYLIGHTS AND AS INDICATED. SLOPE SHALL BE NO LESS THAN 2%.
  - UNLESS NOTED OTHERWISE, SUMP ALL ROOF DRAINS IN ACCORDANCE WITH APPLICABLE CRCA DETAIL. AS INDICATED OR AS REQUIRED, PROVIDE TAPERED CRICKETS OR SIMILAR TYPE MEASURES TO ENSURE THAT ROOF WATER FLOWS TO DRAINS.
- PENETRATIONS**
  - ALL ROOF PENETRATIONS SHALL BE SEALED USING TALL CONE FLASHING OR PITCH POCKETS AS REQUIRED. CONES SHALL BE SEAMLESS AND INCLUDE A STORM COLLAR.
- EQUIPMENT**
  - UPSTANDS ON ROOF FOR MECHANICAL UNITS, PARAPETS, SKYLIGHTS TO COME COMPLETE WITH CANT STRIPS.
  - WITHOUT EXCEPTION, ROOF MOUNTED EQUIPMENT AND FITTINGS THAT REQUIRE A ROOF CURB SHALL BE SUPPORTED BY A CURB OF SUFFICIENT HEIGHT SO THAT THE TOP OF CURB IS AT LEAST 250mm ABOVE THE ADJACENT ROOF SURFACE. CONTRACTOR TO COORDINATE WITH SUPPLIERS / MANUFACTURERS ACCORDINGLY.
- MEMBRANES**
  - CONTINUOUS VAPOUR RETARDER MEMBRANE COMPONENT OF ROOF ASSEMBLY TO BE WRAPPED UP AT ALL PARAPETS, CURBS, EXTERIOR WALL ASSEMBLY BY A MIN. 200mm OR AS DETAILED ON DRAWINGS. TIE INTO VAPOUR BARRIER & AIR MEMBRANES ON ALL VERTICAL SURFACES. PROVIDE "PEEL & STICK" TYPE TRANSITION MEMBRANES IN ORDER TO ENSURE CONTINUITY OF AIR BARRIERS BUILDING ENVELOPE.
- ROOF ANCHORS**
  - REFER TO SPECIFICATIONS FOR ROOF ANCHORS AND RELATED REQUIREMENTS.
  - FULLY COORDINATE ROOF ANCHOR LOCATIONS WITH STRUCTURAL DRAWINGS & ROOF ANCHOR SHOP DRAWINGS TO ENSURE PROPER PLACEMENT OF ALL ROOF ANCHORS.
  - LAYOUT SHOWN IS PRELIMINARY ONLY. FINAL LAYOUT TO BE CONFIRMED WITH ROOF ANCHOR SUPPLIER.

**D P A I**

Design Partners in  
Architecture and Interiors

DRAWINGS ARE NOT TO BE SCALED.

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO ARCHITECTS BEFORE PROCEEDING WITH WORK.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE WORK.

SEALS



**MISSISSAUGA**

**CITY OF MISSISSAUGA FIRE  
STATION 123**

3050 THE COLLEGEWAY MISSISSAUGA, ONTARIO CANADA

SITE PLAN APPLICATION # SP 24-3

DEVELOPMENT TYPE EMERGENCY SERVICES

LEGAL DESCRIPTION PART OF BLOCK 124 REGISTERED PLAN 43M-745

APPLICANT INFO DAVID PREM, 25 MAIN ST. W. SUITE 1800,  
HAMILTON, ON L8P 1H1  
905.522.0201

OWNER INFO CITY OF MISSISSAUGA, ADRIANA TANTALO, 300  
CITY CENTRE DRIVE  
905.615.3200 X 3395

11	ADDENDUM 1	06/24/24
10	TENDER	05/06/24
9	SPA RESUBMISSION	03/12/24
8	BP - RESUBMISSION	02/23/24
7	PERMIT	01/22/24
6	CLASS A ESTIMATE	01/22/24
5	90% CD SUBMISSION	12/22/24
4	FORMAL SPA	12/05/23
3	MINOR VARIANCE APPLICATION	09/08/23
2	PAM 1 RE-SUBMISSION	09/07/23
1	PRELIMINARY ZONING REVIEW	08/02/23
0	SPA PRE-CONSULTATION	03/28/23

NO. ISSUES/REVISIONS DATE

DRAWING TITLE:

ROOF PLAN



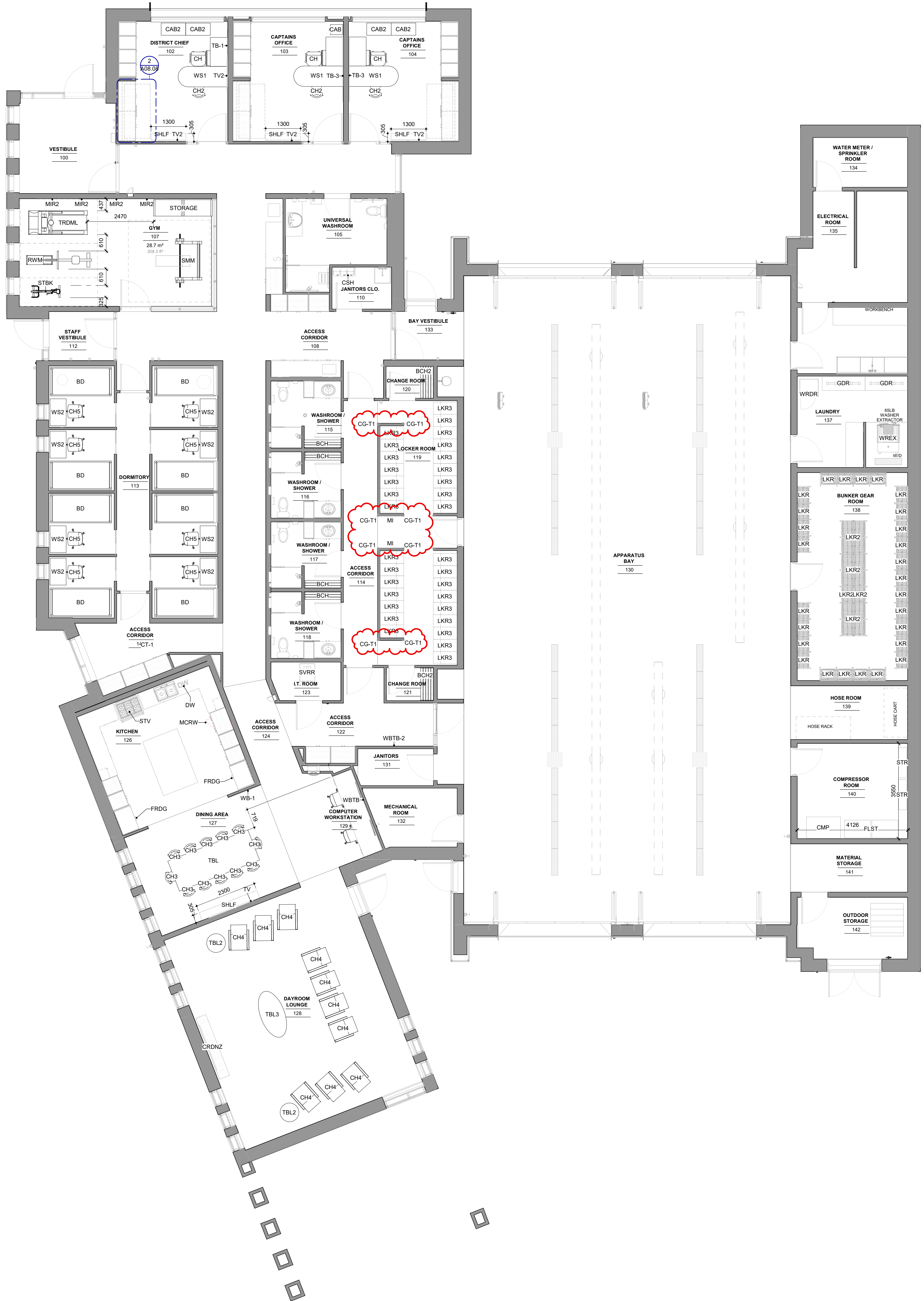
ISSUE DATE: 06/24/24  
DRAWN BY: SRL/JAF CHECKED BY: SRL

PROJECT NO.: 12301 SCALE: As Indicated

DRAWING NO.: REVISION:

**A03.07 11**





## FURNITURE, FIXTURE & EQUIPMENT SCHEDULE

GENERAL NOTES				
REFER TO & COORDINATE WITH CONSULTANT DRAWINGS AND SPECIFICATIONS FOR FULL SPECS OF EQUIPMENT. COORDINATE WITH OWNER FOR SECURITY AND AV EQUIPMENT				
CODE	DESCRIPTION	SUPPLIER	MODEL NO.	QTY
BASE CONTRACT				
EQUIPMENT				
LKR	24x20x82 LOCKER, RED RACKS	READY RACK	RRWM-424, RRWM-524, RRWM-624	27
LKR2	24x20x82 FREESTANDING RED RACK, DOUBLE SIDED UNITS	READY RACK	RFDS-424	5
LKR3	FIRST RESPONDER LOCKERS - SINGLE TIER FULL-HEIGHT	LINCORA INC	SERIES 61	32
TB-1	TACKBOARD 1200 x 900	FORBO	REFER TO SPEC	1
TB-2	TACKBOARD 1200 x 1200	FORBO	REFER TO SPEC	1
TB-3	TACKBOARD 1200 x 2400	FORBO	REFER TO SPEC	2
WB-1	WHITEBOARD 1200 x 900	FORBO	REFER TO SPEC	1
WB1B	WHITEBOARD/TACKBOARD 1200 X 3240	FORBO	REFER TO SPEC	1
WB1B-2	WHITEBOARD/TACKBOARD 1200 X 2900	FORBO	REFER TO SPEC	1
GYM EQUIPMENT				
MIR2	FLAT MIRROR	CONTRACTOR	MI	4
CASH ALLOWANCE EQUIPMENT				
BD	TWIN XL BED	TBC	TBC	8
GYM EQUIPMENT				
RWM	ROWING MACHINE	TBC	TBC	2
SMM	SMITH MACHINE	TBC	TBC	1
STBK	STATIONARY BIKE	TBC	TBC	1
TRDML	TREADMILL	TBC	TBC	1
I/T EQUIPMENT				
SVRR	ECONOMICAL UL-APPROVED PRO SERIES I VERTICAL RACKS	WINSTED CORPORATION	V8811	1
KITCHEN APPLIANCES				
DW	308 SERIES 24" SMART BUILT-IN DISHWASHER, THIRD RACK, SS, 46 DBA	HOME CONNECT	SHES3C8SN	1
FRDG	36-INCH W 20 CU-FT. FRENCH DOOR REFRIGERATOR IN FINGERPRINT RESISTANT STAINLESS STEEL, COUNTER DEPTH, ENERGY STAR	WHIRLPOOL	WRF540DWHZ	2
MCRW	0.9 CU-FT. COUNTERTOP MICROWAVE, 900 WATT	WHIRLPOOL	YWMC3030RLS	1
STV	36" ELECTRIC RANGE, CONVECTION, 5 BURNER, 1 OVEN, FRONT CONTROLS, STAINLESS STEEL	THOR KITCHEN	HRE3601	1
LAUNDRY EQUIPMENT				
QDR	2-GEAR + 2 WETSUIT DRYER	H&R MACHINE INC	PHEONIX DRYER - ELITE	2
WRDR	FRONT LOAD EXTRA POWER STACKED WASHER AND ELECTRIC DRYER IN VOLCANO BLACK	MAYTAG	YMED6930MBK	1
WREX	WASHER EXTRACTOR	UNIMAC	UNW065 TOUCH	1
SCBA EQUIPMENT				
CMP	COMPRESSOR	MAKO	BAM98A	1
FLST	SCF53-4HP - STATIONARY CONTAINMENT FILL STATIONS	MAKO	MKBSCH3C4	1
STR	TM604 BOTTLE STORAGE	MAKO	MKBV544C4H	2

D P A I

Design Partners in  
Architecture and Interiors

DRAWINGS ARE NOT TO BE SCALED.  
CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO ARCHITECTS BEFORE PROCEEDING WITH WORK.  
ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE WORK.

SEALS



**MISSISSAUGA**

**CITY OF MISSISSAUGA FIRE  
STATION 123**

3050 THE COLLEGEWAY MISSISSAUGA, ONTARIO CANADA

**SITE PLAN APPLICATION #** SP 24-3

**DEVELOPMENT TYPE** EMERGENCY SERVICES

**LEGAL DESCRIPTION** PART OF BLOCK 124 REGISTERED PLAN 43M-745

**APPLICANT INFO** DAVID PREMI, 25 MAIN ST. W, SUITE 1800, HAMILTON, ON L8P 1H1  
905.522.0201

**OWNER INFO** CITY OF MISSISSAUGA, ADRIANA TANTALO, 300 CITY CENTRE DRIVE  
905.615.3200 X 3395

11	ADDENDUM 1	06/24/24
10	TENDER	05/06/24
9	SPA RESUBMISSION	03/12/24
8	BP - RESUBMISSION	02/23/24
7	PERMIT	01/22/24
6	CLASS A ESTIMATE	01/22/24
5	90% CD SUBMISSION	12/22/24
4	FORMAL SPA	12/05/23
3	MINOR VARIANCE APPLICATION	09/08/23
2	PAM 1 RE-SUBMISSION	09/07/23
1	PRELIMINARY ZONING REVIEW RE-SUBMISSION	08/02/23
0	SPA PRE-CONSULTATION	03/28/23

NO. ISSUES/REVISIONS DATE

DRAWING TITLE:

LEVEL 01 - FFE PLAN

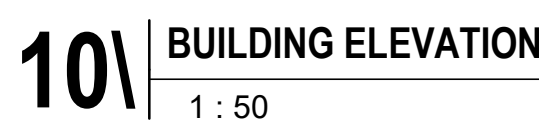
ISSUE DATE: 06/24/24  
DRAWN BY: SRL/AF CHECKED BY: SRL  
PROJECT NO.: 12301 SCALE: 1 : 75  
DRAWING NO.: REVISION:

A03.13 11

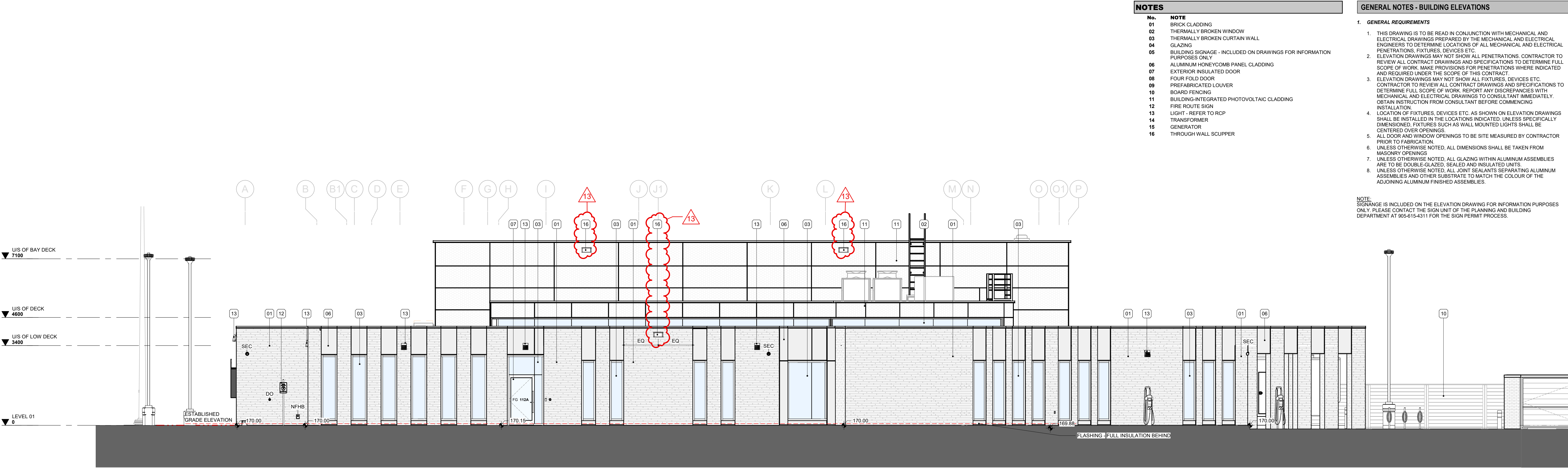




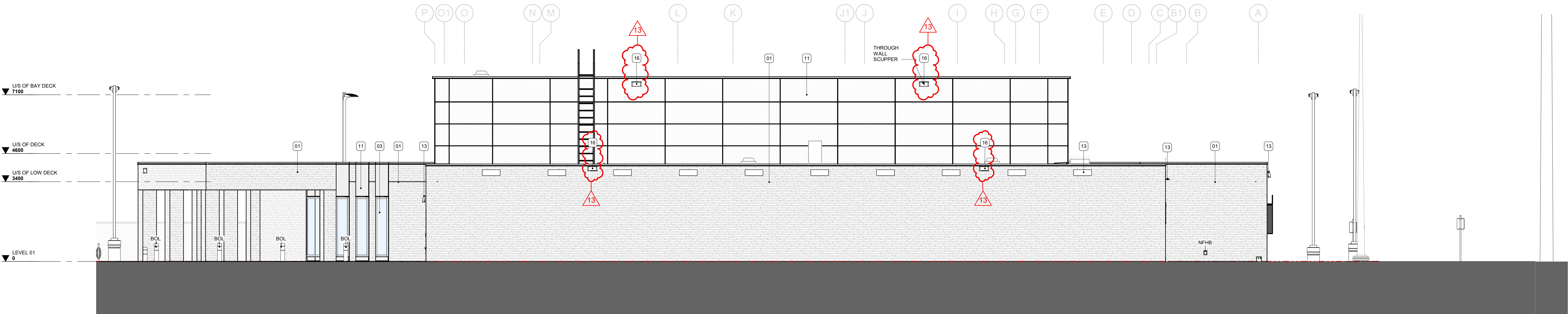
- ## GENERAL NOTES - BUILDING ELEVATIONS
- ### 1. GENERAL REQUIREMENTS
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL DRAWINGS PREPARED BY THE MECHANICAL AND ELECTRICAL ENGINEER. DETERMINE THE LOCATION OF ALL MECHANICAL AND ELECTRICAL PENETRATIONS, FIXTURES, DEVICES ETC.
  2. REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS. CONTRACTOR TO REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL SCOPE OF WORK. MAKE PROVISIONS FOR PENETRATIONS WHERE INDICATED BY CONTRACT DRAWINGS. INDICATE THE LOCATION OF ALL PENETRATIONS.
  3. ELEVATION DRAWINGS MAY NOT SHOW ALL FIXTURES, DEVICES ETC. CONTRACTOR TO REVIEW ALL CONTRACT DRAWINGS AND SPECIFICATIONS TO DETERMINE FULL SCOPE OF WORK. REPORT ANY DISCREPANCIES WITH CONTRACT DRAWINGS TO THE ARCHITECT IMMEDIATELY. OBTAIN WRITTEN INSTRUCTION FROM CONSULTANT BEFORE CORRECTING.
  4. LOCATION OF FIXTURES, DEVICES ETC. AS SHOWN ON ELEVATION DRAWINGS SHALL BE USED TO DETERMINE THE LOCATION OF ALL UNLESS OTHERWISE DIMENSIONED. FIXTURES SUCH AS WALL MOUNTED LIGHTS SHALL BE DIMENSIONED TO THE CENTERLINE OF THE OPENING.
  5. ALL DOOR AND WINDOW OPENINGS TO BE SITE MEASURED BY CONTRACTOR PRIOR TO ORDERING.
  6. UNLESS OTHERWISE NOTED, ALL DIMENSIONS SHALL BE TAKEN FROM THE INSIDE OF THE OPENING.
  7. UNLESS OTHERWISE NOTED, ALL GLAZING WITH ALUMINUM ASSEMBLIES SHALL BE 1/2" MINIMUM GLASS WITH 1/2" MINIMUM ALUMINUM UNLESS OTHERWISE NOTED. ALL GLAZING SHALL BE 1/2" MINIMUM GLASS WITH 1/2" MINIMUM ALUMINUM UNLESS OTHERWISE NOTED. ALL SEALANTS SEPARATING ALUMINUM FROM GLASS SHALL BE 1/4" MINIMUM UNLESS OTHERWISE NOTED.
  8. ADDITIONAL ALUMINUM FINISHED ASSEMBLIES.
- NOTE:**  
SIGNAGE IS REQUIRED FOR THE SIGN PERMIT AND FOR BUILDING PURPOSES  
FOR THE SIGNAGE. THE SIGNAGE SHALL BE PROVIDED BY THE BUILDING  
DEPARTMENT AT 905-415-4311 FOR THE SIGN PERMIT PROCESS.



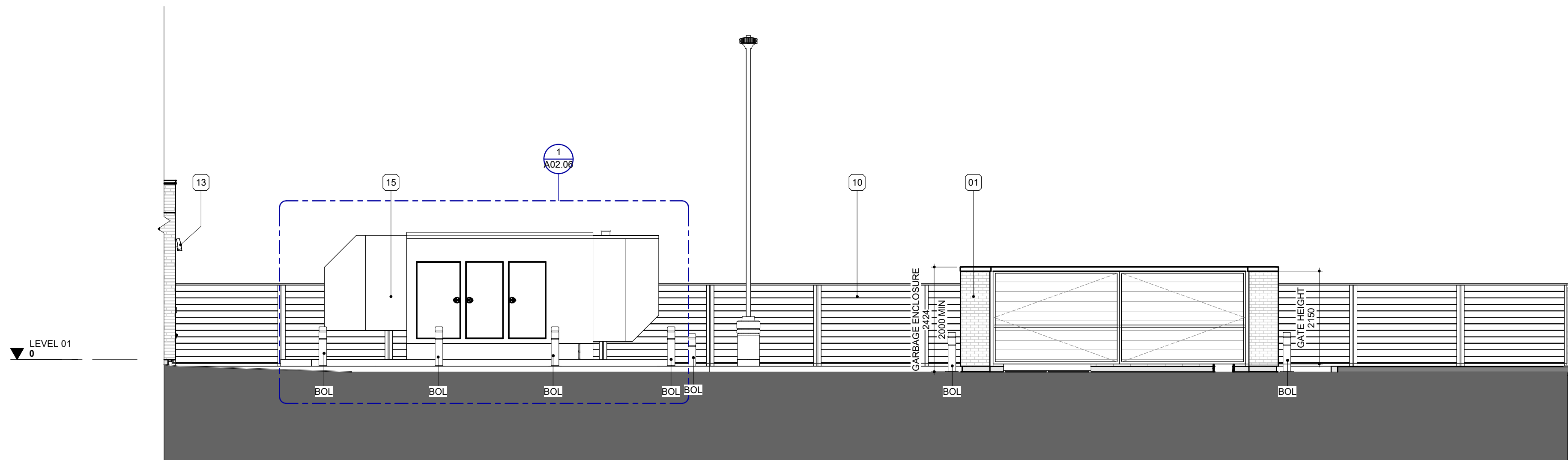




**1 | BUILDING ELEVATION**  
1 : 75



**2 | BUILDING ELEVATION**  
1 : 75



**3 | SITE ELEVATION**  
1 : 75

**D P A I**

Design Partners in  
Architecture and Interiors

DRAWINGS ARE NOT TO BE SCALED.

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO ARCHITECTS BEFORE PROCEEDING WITH WORK.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE WORK.

SEALS



**CITY OF MISSISSAUGA FIRE  
STATION 123**

3050 THE COLLEGEWAY MISSISSAUGA, ONTARIO CANADA

**SITE PLAN APPLICATION #** SP 24-3

**DEVELOPMENT TYPE** EMERGENCY SERVICES

**LEGAL DESCRIPTION** PART OF BLOCK 124 REGISTERED PLAN 43M-745

**APPLICANT INFO** DAVID PREMI, 25 MAIN ST. W, SUITE 1800,  
HAMILTON, ON L8P 1H1  
905.522.8201

**OWNER INFO** CITY OF MISSISSAUGA, ADRIANA TANTALO, 300  
CITY CENTRE DRIVE  
905.615.3200 X 3395

13	ADDENDUM 1	06/24/24
12	SPA RESUBMISSION	06/06/24
11	TENDER	05/06/24
10	BP-RESUBMISSION	05/02/24
9	SPA RESUBMISSION	03/12/24
8	BP - RESUBMISSION	02/23/24
7	PERMIT	01/22/24
6	CLASS A ESTIMATE	01/22/24
5	90% CD SUBMISSION	1/22/24
4	FORMAL SPA	12/05/23
3	MINOR VARIANCE APPLICATION	09/08/23
2	PAM 1 RE-SUBMISSION	09/07/23
1	PRELIMINARY ZONING REVIEW	08/02/23
0	SPA PRE-CONSULTATION	03/28/23

NO. ISSUES/REVISIONS DATE

DRAWING TITLE:

**EXTERIOR ELEVATIONS**

ISSUE DATE: 06/24/24

DRAWN BY: SRL/AF CHECKED BY: SRL

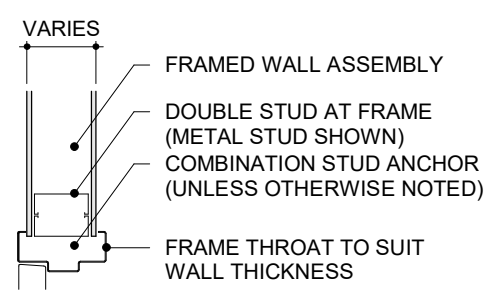
PROJECT NO.: 12301 SCALE: As Indicated

DRAWING NO.: REVISION:

**A04.01 13**

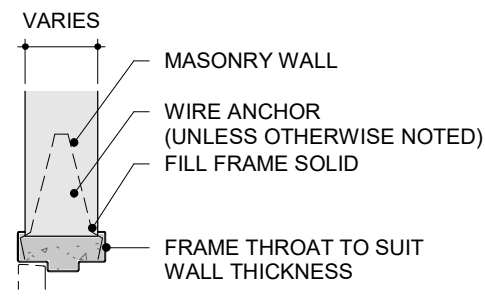


## HM PARTITIONS & CONCRETE/CMU WRAP FRAMES



DETAIL FOR FOR WALLS < 200MM  
REFER TO WALL THICKNESS ON DOOR SCHEDULE

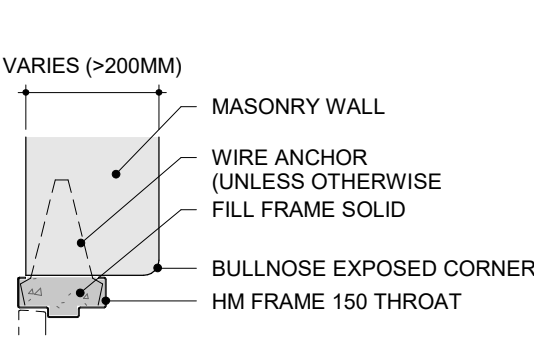
HM FRAME TYPE - WRAP (FRAMED WALL)



DETAIL FOR WALLS < 200MM  
REFER TO WALL THICKNESS ON DOOR SCHEDULE

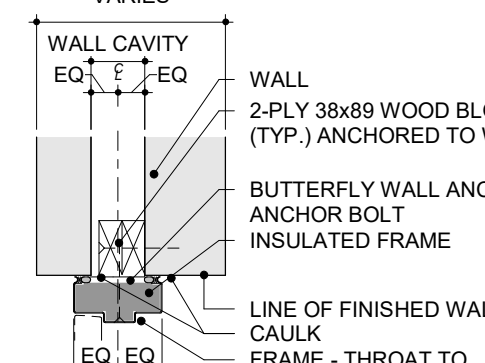
HM FRAME TYPE - WRAP (MASONRY WALL)

## HM PARTITIONS & CONCRETE/CMU BUTT FRAMES



\*FOR WALLS > 200MM  
REFER TO WALL THICKNESS ON DOOR SCHEDULE

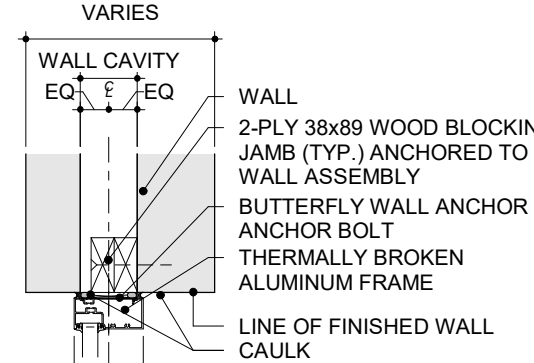
HM FRAME TYPE - BUTT (MASONRY WALL)



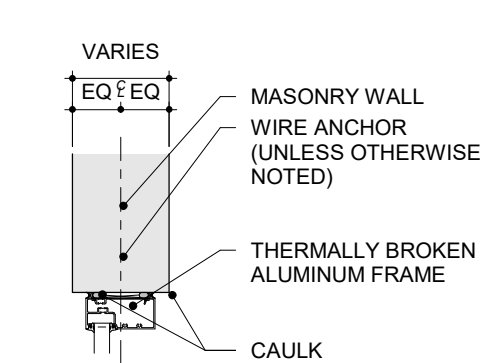
\*FOR WALLS > 200MM  
REFER TO WALL THICKNESS ON DOOR SCHEDULE

HM FRAME TYPE - BUTT (EXTERIOR WALL)

## ALUMINUM BUTT FRAMES



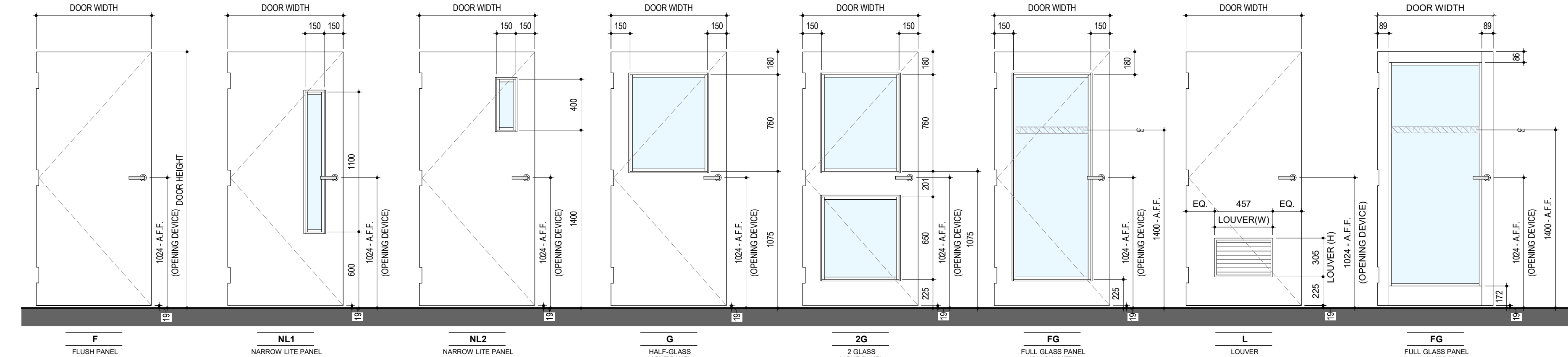
ALUM FRAME TYPE - BUTT (EXTERIOR WALL)



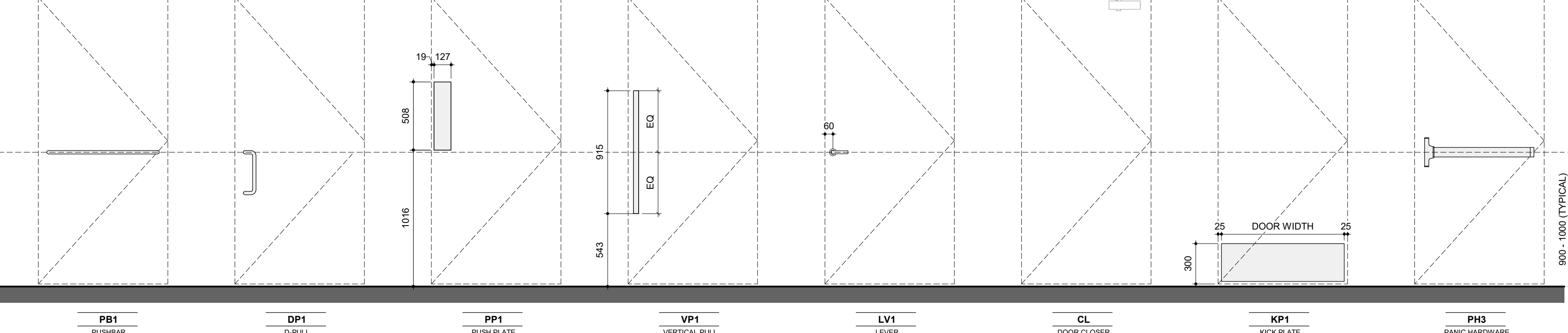
ALUM FRAME TYPE - BUTT (INTERIOR WALL)

GENERAL NOTE  
WALLS SHOWN HERE ARE FOR REFERENCE ONLY. REFER TO FLOOR PLANS FOR WALL TYPES.  
REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF RATED WALLS AND DOORS/SCREENS THERE IN.

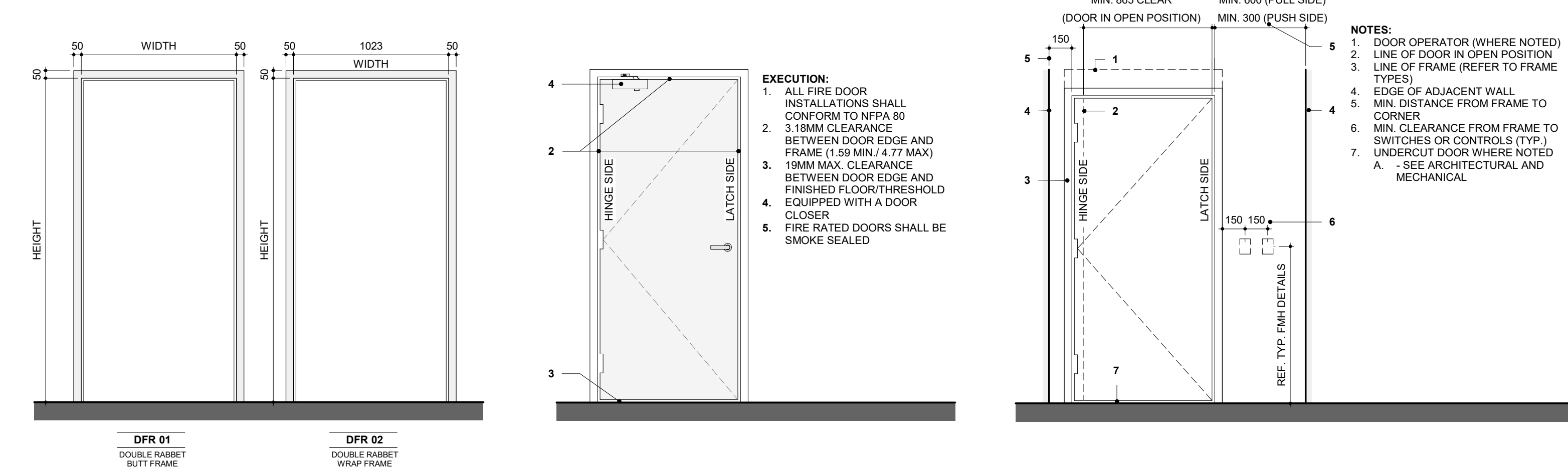
## 2 | FRAME / JAMB TYPES NTS



## 3 | DOOR PANEL TYPES NTS



## 4 | DOOR HARDWARE TYPES & HEIGHTS 1 : 25



## 7 | FRAME TYPES NTS

## 6 | FIRE RATED DOOR REQUIREMENTS NTS

## 5 | TYPICAL DOOR INSTALLATION DETAILS NTS

## DOOR & HARDWARE SCHEDULE

DIRECTION				OPENING				DOOR AND FRAME ASSEMBLY										BF DOOR OPERATION		DOOR OPERATION				SECURITY				ACCESSORIES				LOCKSET		COMMENTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
FROM	TO	DESCRIPTION	WIDTH	LEAF 1	LEAF 2	HEIGHT	RO WIDTH	RO HEIGHT	TYPE	THICKNESS	DOOR MATERIAL	DOOR FINISH	INSULATION	GLAZING	LOUVER	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FIRE RATING	SMOKE SEAL	AUTODOOR OPERATOR	ELECTRIC STRIKE	ACTUATOR BUTTON	PUSH TO LOCK	DOOR CLOSER	DOOR LATCH	VERTICAL PULL	TRIP PULL	DOOR RUBBAR	PANIC HARDWARE	KICK PLATE	PUSH PLATE	CARD READER		DOOR BELL	DOOR CONTACT	ELECTRIC STRIKE	KEY PAD	KEY	REX	ASTRAGAL	THRESHOLD	TRANSITION STRIP	WEATHER STRIP	DOOR SWEEP	WALL STOP	FLOOR STOP	SHOUGE	STOREROOM	OFFICE	PRIVACY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Exterior																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

## ABBREVIATIONS

AL	ALUMINUM
AN	ANCHOR
FWD	FLUSH WOOD DOOR
HM	HOLLOW METAL
BUTT	BUTT-FRAME INSTALLATION
WRAP	WRAP-FRAME INSTALLATION
PNT	PAINTED
CSL	CONCEALED FRAME
CW	EXTERIOR ALUMINUM FRAMES
IS	INTERIOR ALUMINUM FRAMES

## GENERAL NOTES - DOORS, FRAMES, & HARDWARE

### 1. GENERAL REQUIREMENTS

- IT IS THE RESPONSIBILITY OF THE DOOR, FRAME, WINDOW, CURTAIN WALL & HARDWARE MANUFACTURER TO COORDINATE & EXECUTE THEIR WORK TOGETHER.
- DIMENSIONS INDICATED R.O. INDICATE ROUGH OPENING. GENERAL CONTRACTOR SHALL VERIFY ALL OPENINGS ON SITE PRIOR TO FABRICATION AND ORDERING.

### 2. SHOP DRAWINGS

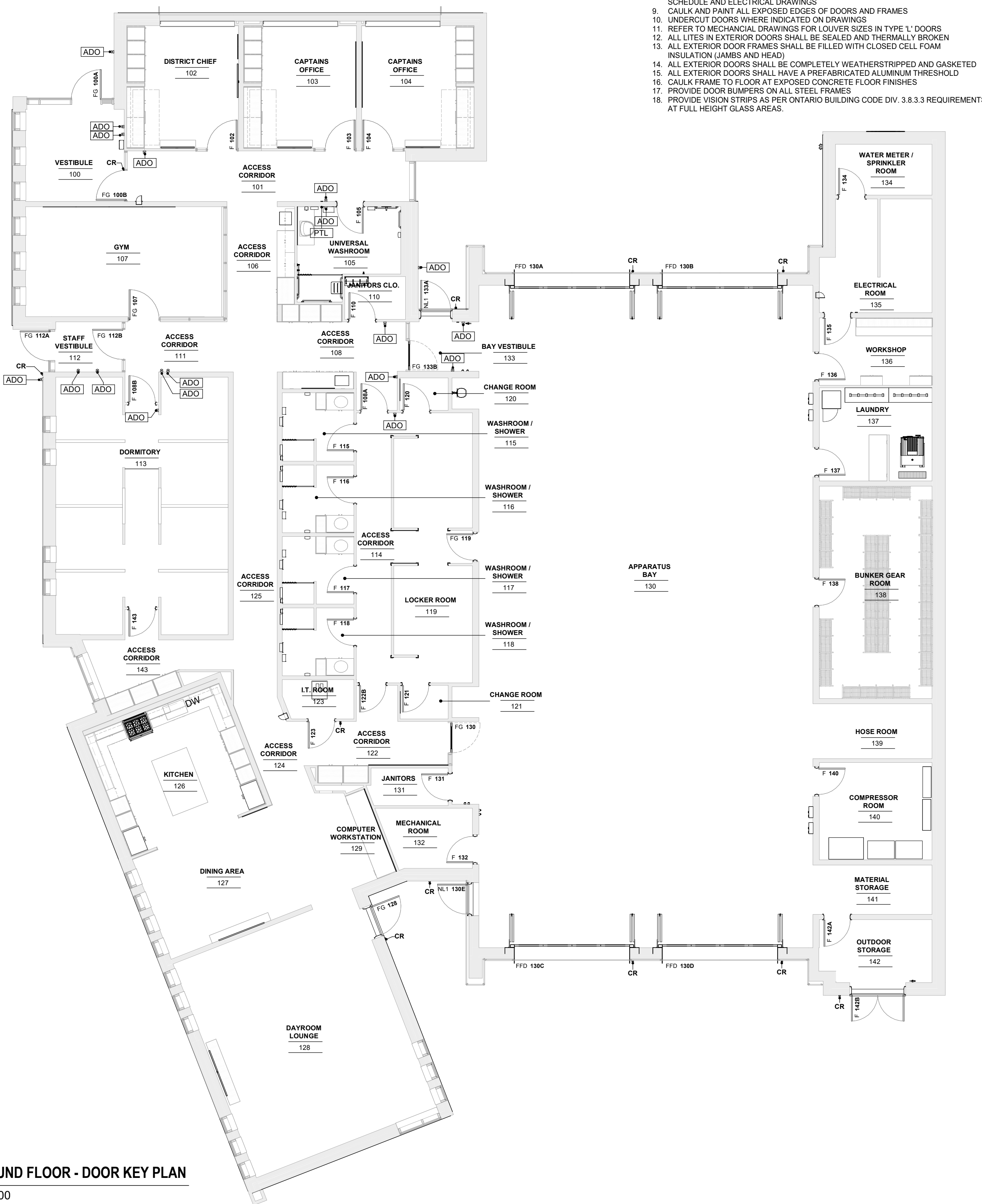
- SHOP DRAWINGS ARE REQUIRED PRIOR TO FABRICATION.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE: DOOR(S), SCREEN(S), WINDOW(S), CURTAIN WALL(S), FRAMES, AND THEIR HARDWARE(S) MANUFACTURERS TRADES COORDINATE & EXECUTE THEIR WORK TOGETHER & LABEL IDENTIFYING INFORMATION FOR ALL DOORS, SCREEN(S), WINDOW(S), CURTAIN WALL(S), FRAME(S) SCHEDULES TO MATCH THE IDENTIFICATION TAG LABELS HERE. NOT HAVING DIFFERENT LABELS & DIMENSIONAL UNITS ON SHOP DRAWINGS THAN TENDERED DOCUMENTS. (REVISE & RESUBMIT SHOP DRAWINGS WILL BE RETURNED IF THIS FORMAT IS NOT FOLLOWED WITH NO REVIEW UNDERTAKEN BY THE CONSULTANT TEAM).
- SUBMIT SHOP DRAWINGS FOR DOORS, FRAMES AND SCREENS CLEARLY INDICATING PROFILES, ANCHORS, CONNECTIONS, FIRE RATING, GLAZING STOP DETAILS, PREPARATION AND REINFORCEMENT OF MANUAL AND ELECTRONIC HARDWARE AND SECURITY DEVICES AND OTHER INFORMATION REQUIRED FOR PROPER COORDINATION AND INSTALLATION OF DOORS, FRAMES AND SCREENS WITH THE WORK.
- SHOP DRAWINGS SHALL REFERENCE DOOR TYPE, PLAM, ELEVATIONS AS SHOWN. REFER TO SPECIFICATION FOR DOOR HARDWARE SCHEDULE. THIS SCHEDULE IS PROVIDED TO ASSIST THE CONTRACTOR WITH THE TENDER AND THE WORK. THE INFORMATION PERTAINING TO DOORS AND FRAMES ON DRAWINGS, HARDWARE SCHEDULE AND IN THE SPECIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK IN THE CARE OF DISCREPANCY BETWEEN ANY OF THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL CLARIFY AND RECONCILE THE DISCREPANCY WITH THE CONSULTANT PRIOR TO COMMENCING THE WORK.

### 3. FIRE RATINGS AND SMOKE SEALS

- CONFIGURE FRAME AND DOOR PROTECTION FOR DOORS WITH DOOR SEALS SO AS TO NOT COMPROMISE SEAL.
- ALL DOORS AND FRAMES IN RATED ASSEMBLIES SHALL BE APPROPRIATELY LABELED.
- PROVIDE DOOR SEALS AT ALL FIRE RATED DOORS.
- PROVIDE RATED DOOR FRAMES, DOOR PANELS, GLAZING AND FRAMES AT INTERIOR SCREENS TO SUIT INDICATED FIRE SEPARATIONS. USE FIRELITE GLASS WHERE INDICATED GLASS SIZE EXCEEDS MAXIMUM ALLOWED FOR TEMPERED GLASS AT RATED DOORS.
- ALL FIRE RATED DOORS AND SCREENS W/ GLAZING SHALL HAVE "FIRELITE" GLAZING AS REQUIRED.
- ALL NON RATED GLAZING SHALL BE TEMPERED.
- ALL EXTERIOR DOOR GLAZING SHALL BE LAMINATED SAFETY GLASS.

### 4. EXECUTION

- ALL NEW HOLLOW METAL FRAMES AND DOORS PANELS SHALL BE PAINTED.
- ALL DOORS AND FRAMES SHALL BE PREPARED AND REINFORCED FOR SPECIFIED HARDWARE AND ACCESSORIES.
- CONTRACTOR TO SITE VERIFY AS-BUILT TROUGH OPENING SIZES AND WALL THICKNESS FOR WRAP AROUND FRAMES PRIOR TO FABRICATION OF FRAMES.
- COORDINATE PREPARATION AND INSTALLATION OF DOORS AND HARDWARE WITH ELECTRICAL DIVISION AND CONCEALING OF ELECTRONIC JUNCTION BOXES, CONDUITS AND WIRING IN DOOR FRAMING.
- ALL DOORS DESIGNATED WITH ELECTRICAL AND SECURITY CLOSURE SHALL HAVE FRAMES PRE-DRILLED TO RECEIVE SUCH DEVICES.
- WHERE DOOR LITES ARE PRESENT, THEY SHALL NOT BE MORE THAN 900mm AFF UNLESS NOTED OTHERWISE.
- PROVIDE PREFABRICATED LITES w/ STAINLESS STEEL FRAME AND INTEGRAL BLINDS WHERE SPECIFIED. SUBSTITUTIONS FOR HOLLOW METAL FRAMED LITES WILL NOT BE ACCEPTED.
- PREPARE DOORS TO RECEIVE HARDWARE AS INDICATED ON FINISH HARDWARE SCHEDULE AND ELECTRICAL DRAWINGS.
- CAULK AND PAINT ALL EXPOSED EDGES OF DOORS AND FRAMES.
- UNDERCUT DOORS WHERE INDICATED ON DRAWINGS.
- REFER TO MECHANICAL DRAWINGS FOR LOUVER SIZES IN TYPE 1 DOORS.
- ALL LITES IN EXTERIOR DOORS SHALL BE SEALED AND THERMALLY BROKEN.
- ALL EXTERIOR DOOR FRAMES SHALL BE FILLED WITH CLOSED CELL FOAM INSULATION LUMES AND HEAD.
- ALL EXTERIOR DOORS SHALL BE COMPLETELY WEATHERSTRIPPED AND GASKETED.
- ALL EXTERIOR DOORS SHALL HAVE A PREFABRICATED ALUMINUM THRESHOLD.
- CAULK FRAME TO FLOOR AT EXPOSED CONCRETE FLOOR FINISHES.
- PROVIDE DOOR BUMPERS ON ALL STEEL DOOR FRAMES.
- PROVIDE VISION STRIPS AS PER ONTARIO BUILDING CODE DIV. 3.8.3.3 REQUIREMENTS AT FULL HEIGHT GLASS AREAS.



## 1 | GROUND FLOOR - DOOR PLAN 1 : 100

# DP&I

## Design Partners in Architecture and Interiors

DRAWINGS ARE NOT TO BE SCALED.

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO ARCHITECTS BEFORE PROCEEDING WITH WORK.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE WORK.

SEALS



**CITY OF MISSISSAUGA FIRE  
STATION 123**  
3050 THE COLLEGEWAY MISSISSAUGA, ONTARIO CANADA

**SITE PLAN APPLICATION #** SP 243  
**DEVELOPMENT TYPE** EMERGENCY SERVICES  
**LEGAL DESCRIPTION** PART OF BLOCK 124 REGISTERED PLAN 43M-745  
**APPLICANT INFO** DAVID PREM, 25 MAIN ST. W, SUITE 1800, HAMILTON, ON L8P 1H1 905.522.3020  
**OWNER INFO** CITY OF MISSISSAUGA, ADRIANA TANTALO, 300 CITY CENTRE DRIVE 905.615.3200 X 3395

11	ADDENDUM 1	06/24/24
10	TENDER	05/06/24
9	SPA RESUBMISSION	03/12/24
8	BP - RESUBMISSION	02/23/24
7	PERMIT	01/22/24
6	CLASS A ESTIMATE	01/22/24
5	90% CD SUBMISSION	12/24/24
4	FORMAL SPA	12/05/23
3	MINOR VARIANCE APPLICATION	09/08/23
2	PAM 1 RE-SUBMISSION	09/07/23
1	PRELIMINARY ZONING REVIEW	08/02/23
0	SPA PRE-CONSULTATION	03/28/23

NO. ISSUES/REVISIONS DATE



# **HARDWARE SCHEDULE FOR**

## **CITY OF MISSISSAUGA FIRE STATION**

### **MISSISSAUGA**

**Architect**

DPAI  
25 MAIN ST. WEST,  
SUITE 1800,  
HAMILTON, ON.  
L8P 1H1  
Tel: 905-522-0220

Consultant: **Shaun Craig, DHC**

Plan Revision: **SPA RESUBMISSION**, Dated: **03/12/24**  
Submittal Date: **JUNE 12, 2024**

### **HOLLOW METAL - GENERAL NOTES**

- MATERIAL SHOWN ON THESE DRAWINGS WILL BE FABRICATED ONLY AFTER FORMAL APPROVAL BY THE ARCHITECT AND CONTRACTOR, RECEIPT OF APPROVED FINISH HARDWARE SCHEDULE AND ALL NECESSARY TEMPLATES.
- DOORS AND FRAMES WILL BE REINFORCED FOR SURFACE MOUNTED HARDWARE AS REQUIRED. DRILLING AND TAPPING FOR ATTACHING OF HARDWARE BY GENERAL CONTRACTOR.
- ALL WELDED FRAMES WILL BE SUPPLIED WITH TWO TEMPORARY SHIPPING BARS TO MAINTAIN PROPER ALIGNMENT DURING SHIPPING AND MUST BE REMOVED PRIOR TO INSTALLATION.
- SUPPLY AND INSTALLATION OF GLASS AND GLAZING MATERIALS BY GLAZING SUPPLIER.
- ALL DOORS AND FRAMES WILL BE MARKED WITH ARCHITECTS OPENING NUMBERS.
- ALL PLANT ON TYPE MOULDINGS BY MOULDING SUPPLIER.
- ALL FRAME INSULATION BY FRAME INSTALLER.
- PAINT BY PAINTING TRADE.

**FRAME INSTALLATION VIDEO -** <https://www.youtube.com/watch?v=vWFJ1OK00dU>

### **HARDWARE - GENERAL NOTES**

- GENERAL CONTRACTOR TO INSURE ALL WOOD DOORS , FRAMES AND WALLS WHERE REQUIRED TO HAVE FULL WOOD BLOCKING FOR HARDWARE ITEMS SUCH DOOR CLOSERS , OPERATORS, EXIT DEVICES , TRACK HARDWARE ETC.
- ALL HOLD OPEN DOOR CLOSERS TO BE INSTALLED TO THE MAXIMUM OPENING DEGREE POSSIBLE WITHOUT HITTING THE WALL .
- DOOR CLOSERS TO BE MOUNTED OUT OF THE CORRIDOR WHERE EVER POSSIBLE.

### **WOOD DOORS - GENERAL NOTES**

- IF DOORS ARE UNFINISHED, ALL EDGES MUST BE SEALED WITHIN 24 HOURS OF DELIVERY TO SITE TO MAINTAIN WARRANTY.
- DOORS MUST BE STORED FLAT ON A SKID INSIDE FOR 24 HOURS TO ACCLIMATIZE, AVOID WARPAGE AND MAINTAIN WARRANTY.
- NO GLASS OR LOUVRES ARE INCLUDED, ALL BY GLASS / LOUVRE SUPPLIER.
- DOORS ARE PREPARED FOR STANDARD HARDWARE ONLY, ANY HARDWARE PREPS OTHER THAN ON HARDWARE LIST AT TIME OF TENDER ARE EXTRA.
- SHOP DRAWINGS RETURNED WITH "REVIEWED" OR "REVIEWED AS NOTED" INDICATES ACCEPTANCE OF MATERIALS AS LISTED.
- ELITE DOOR & HARDWARE WILL NOT TAKE RESPONSIBILITY FOR AN INCOMPLETE REVIEW THAT RESULTS IN UNWANTED MATERIALS ON SITE.
- ANY CHANGES WILL RESULT IN ADDITIONAL CHARGES.

### **PLEASE NOTE**

**SCHEDULES ( HARDWARE, HOLLOW METAL & WOOD) MUST BE REVIEWED IN DETAIL FOR DESIGN, FUNCTION AND MANUFACTURER, JAMB DEPTH, GAUGE AND ALL OTHER INFORMATION LISTED IN SCHEDULE.**  
**SCHEDULES RETURNED WITH REVIEWED OR REVIEWED AS NOTED INDICATES ACCEPTANCE OF ALL HARDWARE AND MATERIALS AS INDICATED.**  
**IF SCHEDULES ARE NOT REVIEWED IN COMPLETE DETAIL ELITE DOOR & HARDWARE INC WILL NOT TAKE ANY RESPONSIBILITY.**  
**ANY CHANGES COULD RESULT IN ADDITIONAL CHARGES.**

SIGNED BY \_\_\_\_\_ PRINT \_\_\_\_\_ DATE \_\_\_\_\_



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

## **Manufacturers & Finishes**

### **Manufacturers**

Adams Rite Manufacturing Co.  
Camden Door Controls  
CorbinRusswin  
DORMA  
HES  
McKinney  
MEDECO  
Norton  
Pemko  
Rixson  
Rockwood Manufacturing  
User Hardware

### **Finishes**

626 - Satin chromium plated over  
nickel  
628 - Satin aluminum, clear  
anodized  
630 - Satin stainless steel  
689 - Aluminum painted  
C26D - Satin chromium plated over  
nickel  
C32D - Satin stainless steel



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

## Openings Schedule

Opening Number(s)	Qty	Heading Num.	Hardware Group	Location 1	To/ From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Frame Mat'l	Door Mat'l	Remarks
Exterior														
100A	1	1	100A	EXTERIOR	From	VESTIBULE 100	1100	2150	51	LHR		AL	AL	
112A	1	2	112A	EXTERIOR	From	STAFF VESTIBULE 112	1100	2150	51	LHR		AL	AL	
130A	1	3	FOLDING	EXTERIOR	To/From	APPARATUS BAY 130	4200	4200	50	OVRHD		MTL	MTL	
130B	1	3	FOLDING	EXTERIOR	To/From	APPARATUS BAY 130	4200	4200	50	OVRHD		MTL	MTL	
130C	1	3	FOLDING	EXTERIOR	To/From	APPARATUS BAY 130	4200	4200	50	OVRHD		MTL	MTL	
130D	1	3	FOLDING	EXTERIOR	To/From	APPARATUS BAY 130	4200	4200	50	OVRHD		MTL	MTL	
130E	1	4	130E	EXTERIOR	From	APPARATUS BAY 130	1100	2150	44	LHR		HM	HM	
133A	1	5	133A	EXTERIOR	From	BAY VESTIBULE 133	1100	2150	44	RHR		HM	HM	
142B	1	6	142B	EXTERIOR	From	OUTDOOR STORAGE 142	965, 965	2135	44	LHRA		HM	HM	
128	1	7	144	EXTERIOR	From	DAYROOM LOUNGE 128	1100	2135	44	RHR		HM	HM	
Interior														
100B	1	8	100B	VESTIBULE 100	From	ACCESS CORRIDOR	1100	2150	51	RHR		AL	AL	
102	1	9	102	ACCESS CORRIDOR	To	DISTRICT CHIEF 102	1100	2150	51	RH		AL	WD	
103	1	10	103	ACCESS CORRIDOR	To	CAPTAINS OFFICE 103	1100	2150	51	RH		AL	WD	
104	1	10	103	ACCESS CORRIDOR	To	CAPTAINS OFFICE 104	1100	2150	51	LH		AL	WD	
105	1	11	105	ACCESS CORRIDOR	To	UNIVERSAL WASHROOM 105	965	2135	44	LH		HM	HM	
107	1	12	107	ACCESS CORRIDOR 108	To	GYM 107	1100	2150	51	LH		AL	AL	
108A	1	13	108A	ACCESS CORRIDOR 108	From	ACCESS CORRIDOR 114	965	2135	44	RHR		HM	HM	
108B	1	14	108B	ACCESS CORRIDOR 108	From	DORMITORY 113	965	2135	44	RHR		HM	HM	
110	1	15	110	ACCESS CORRIDOR 108	To	JANITORS CLO. 110	965	2135	44	LH	0hr	HM	HM	
112B	1	16	112B	STAFF VESTIBULE 112	From	ACCESS CORRIDOR 108	1100	2150	51	LHR		AL	AL	
115	1	17	115	ACCESS CORRIDOR 114	To	WASHROOM / SHOWER 115	965	2135	44	LH		HM	HM	
116	1	17	115	ACCESS CORRIDOR 114	To	WASHROOM / SHOWER 116	965	2135	44	RH		HM	HM	
117	1	17	115	ACCESS CORRIDOR 114	To	WASHROOM / SHOWER 117	965	2135	44	LH		HM	HM	
118	1	17	115	ACCESS CORRIDOR 114	To	WASHROOM / SHOWER 118	965	2135	44	RH		HM	HM	

Opening Number(s)	Qty	Heading Num.	Hardware Group	Location 1	To/ From	Location 2	Nominal Width	Nominal Height	Door Thickness	Hand	Label	Frame Mat'l	Door Mat'l	Remarks
119	1	18	119	APPARATUS BAY 130	To	LOCKER ROOM 119	965	2135	44	RH	1hr	HM	HM	
120	1	19	120	LOCKER ROOM 119	To	CHANGE ROOM 120	965	2135	44	LH		HM	HM	
121	1	19	120	LOCKER ROOM 119	To	CHANGE ROOM 121	965	2135	44	RH		HM	HM	
123	1	20	122A	ACCESS CORRIDOR 122	From	I.T. ROOM 123	965	2135	44	LHR		HM	HM	
122B	1	21	143	ACCESS CORRIDOR 122	From	ACCESS CORRIDOR 114	965	2135	44	LHR		HM	HM	
130	1	22	130	APPARATUS BAY 130	From	ACCESS CORRIDOR 122	1100	2150	44	RHR		STL	STL	
131	1	23	131	APPARATUS BAY 130	To	JANITORS 131	965	2135	44	RH	1hr	HM	HM	
132	1	24	132	APPARATUS BAY 130	To	MECHANICAL ROOM 132	965	2135	44	LH	1hr	HM	HM	
133B	1	25	133B	BAY VESTIBULE 133B	From	ACCESS CORRIDOR 108	1100	2150	44	LHR	1hr	STL	STL	
134	1	26	134	ELECTRICAL ROOM 135	To	WATER METER / SPRINKLER RM 134	965	2135	44	LH	45min	HM	HM	
135B	1	27	135B	WORKSHOP 136	From	ELECTRICAL ROOM 135	965	2135	44	LHR	45min	HM	HM	
136A	1	28	136A	APPARATUS BAY 130	To	WORKSHOP 136	965	2135	44	RH		HM	HM	
137	1	28	136A	APPARATUS BAY 130	To	LAUNDRY 137	965	2135	44	RH		HM	HM	
138	1	29	138	APPARATUS BAY 130	To	BUNKER GEAR ROOM 138	965	2135	44	LH		HM	HM	
140	1	30	140	APPARATUS BAY 130	To	COMPRESSOR ROOM 140	965	2135	44	LH		HM	HM	
142A	1	31	142A	MATERIAL STORAGE 141	To	OUTDOOR STORAGE 142	965	2135	44	RH		HM	HM	
143	1	21	143	ACCESS CORRIDOR 143	From	DORMITORY 113	965	2135	44	LHR		HM	HM	

## Hardware Schedule

Heading #1

Item #1      1 Single door 100A, EXTERIOR From VESTIBULE 100      LHR

1100 x 2150 x 51 - AL DR x AL FR

1	Continuous Hinge	CFM85HD1	C
1	Dead Lock	MS1850S-110-628 - RH	628
1	Thumb Turn Cylinder	4066-01-130	130
1	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
1	Cylinder Ring	K24A -CYLINER RING	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Pull & Push Bar Set	BF15847-42" T5 Mounting C32D	C32D
1	Electronic Closer	ED250-SA-4X6-H-SGL-PUSH-NH-CL-43-R03-19	
2	Push-To-Open Switch	CM-60/4-WT	
2	Mounting Box	CM-69S	
1	Overhead Door Stop	6-436 689	689
1	Threshold	252X2AFG43.5 (1100mm)	AFG
1	Door Sweep	29326CNB 43 1/2" (1100mm)	C
1	Door Contact	DC BY SECURITY PROVIDER	
1	REX	REX BY SECURITY PROVIDER	
1	Door Bell	DOOR BELL BY KELCOM	

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: BALANCE OF GASKETING BY DOOR SUPPLIER.

\* NOTE: SUPPLY & INSTALLATION OF OPERATOR BY THIS SECTION.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024



## Heading #2

Item #2 1 Single door 112A, EXTERIOR From STAFF VESTIBULE 112 LHR

1100 x 2150 x 51 - AL DR x AL FR

1	Continuous Hinge	CFM85HD1	C
1	Exit Device	ED4200 630 (K157ET/626) LHR 1100 x 2150 Door W048 D200 M52	630
1	Rim Cylinder Housing	MEDECO 32-0475H LFIC -Rim	
1	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
1	Cylinder Ring	K24A -CYLINER RING	
2	Construction Core	MEDECO 32-0201-CC	
2	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	5000-630 503-630	630
1	Door Pull	BF158 C32D Type 12 HD Mounting	C32D
1	Electronic Closer	ED250-SA-4X6-H-SGL-PUSH-NH-CL-43-R03-19	
2	Push-To-Open Switch	CM-60/4-WT	
2	Mounting Box	CM-69S	
1	Overhead Door Stop	6-436 689	689
1	Threshold	252X2AFG43.5 (1100mm)	AFG
1	Door Sweep	29326CNB 43 1/2" (1100mm)	C
1	Door Contact	DC BY SECURITY PROVIDER	
1	Card Reader	CR BY SECURITY PROVIDER	
1	REX	REX BY SECURITY PROVIDER	
1	Door Bell	DOOR BELL BY KELCOM	

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: SUPPLY & INSTALLATION OF OPERATOR BY THIS SECTION.

\* NOTE: BALANCE OF GASKETING BY DOOR SUPPLIER.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

Heading #3

Item #3	1 Single door 130A, EXTERIOR To/From APPARATUS BAY 130	OVRHD
Item #4	1 Single door 130B, EXTERIOR To/From APPARATUS BAY 130	OVRHD
Item #5	1 Single door 130C, EXTERIOR To/From APPARATUS BAY 130	OVRHD
Item #6	1 Single door 130D, EXTERIOR To/From APPARATUS BAY 130	OVRHD

4200 x 4200 x 50 - MTL DR x MTL FR

---

\* NOTE: ALL HARDWARE BY DOOR SUPPLIER.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

#### Heading #4

Item #7 1 Single door 130E, EXTERIOR From APPARATUS BAY 130 LHR

1100 x 2150 x 44 - HM DR x HM FR

3	Standard Hinge	T4A3386 5" x 4 1/2" US32D NRP (127 x 114mm)	C32D
1	Exit Device (Night Latch)	ED5200 630 (128/957ET/626) LHR 44 1100 W048	630
1	Rim Cylinder Housing	MEDECO 32-0475H LFIC -Rim	
1	Cylinder Ring	K24A -CYLINER RING	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	9600-630	630
1	Surface Closer	CPS7500 689	689
1	Kick Plate	K1050 8" x 41.80" US32D 4BEV SA (203 x 1062mm)	C32D
1	Threshold	252X2AFG43.5 (1100mm)	AFG
1	Door Sweep	29326CNB 43 1/2" (1100mm)	C
1	Weatherstripping	2891AS -43 1/2" x 85" (1@1100, 2@2150mm)	A
1	Door Contact	DC BY SECURITY PROVIDER	
1	Card Reader	CR BY SECURITY PROVIDER	
1	REX	REX BY SECURITY PROVIDER	
1	Door Bell	DOOR BELL BY KELCOM	

\* NOTE: ALL WIRING WITH HIGH & LOW VOLTAGE, CONDUIT & BACK BOXES BY ELECTRICAL CONTRACTOR.  
 \* NOTE: SWIPE ON CARD READER TO RETRACTS THE LATCH AND OPENS THE DOOR. DOOR CLOSERS AND LOCKS. MANUAL OPERATION WITH EXIT DEVICE FROM EXTERIOR



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

Heading #5

Item #8 1 Single door 133A, EXTERIOR From BAY VESTIBULE 133 RHR

1100 x 2150 x 44 - HM DR x HM FR

3	Standard Hinge	T4A3386 5" x 4 1/2" US32D NRP (127 x 114mm)	C32D
1	Exit Device (Night Latch)	ED5200 630 (128/957ET/626) RHR 44 1100 W048	630
1	Rim Cylinder Housing	MEDECO 32-0475H LFIC -Rim	
1	Cylinder Ring	K24A -CYLINER RING	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	9600-630	630
1	Electronic Closer	ED250-SA-4X6-H-SGL-PUSH-NH-CL-43-R03-19	
2	Push-To-Open Switch	CM-60/4-WT	
2	Mounting Box	CM-69S	
1	Kick Plate	K1050 8" x 41.80" US32D 4BEV SA (203 x 1062mm)	C32D
1	Threshold	252X2AFG43.5 (1100mm)	AFG
1	Door Sweep	29326CNB 43 1/2" (1100mm)	C
1	Weatherstripping	2891AS -43 1/2" x 85" (1@1100, 2@2150mm)	A
1	Door Contact	DC BY SECURITY PROVIDER	
1	Card Reader	CR BY SECURITY PROVIDER	
1	REX	REX BY SECURITY PROVIDER	

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: SWIPE ON CARD READER TO RETRACTS THE LATCH AND OPENS THE DOOR. DOOR CLOSES AND LOCKS. MANUAL OPERATION WITH EXIT DEVICE FROM EXTERIOR



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

Heading #6

Item #9

1 Pair of doors 142B, EXTERIOR From OUTDOOR STORAGE 142

LHRA

965, 965 x 2135 x 44 - HM DR x HM FR

6	Standard Hinge	T4A3386 5" x 4 1/2" US32D NRP (127 x 114mm)	C32D
1	Flush Bolt	550 C26D	C26D
1	Storeroom Lockset	ML2057 LWA 626 LHR LC	626
1	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	1500C-630	630
1	Surface Closer	CPS7500T 689	689
2	Kick Plate	K1050 8" x 35" US32D 4BEV SA (203 x 889mm)	C32D
1	Weatherstripping	2891AS-76" x 85" (1@1930, 2 @2135mm)	A
2	Door Sweep	29326CNB 38" (965mm)	C
1	Threshold	252X2AFG76" (1930mm)	AFG
1	Astragal	18041CNB 85"	C
2	Door Contact	DC BY SECURITY PROVIDER	
1	Card Reader	CR BY SECURITY PROVIDER	
1	REX	REX BY SECURITY PROVIDER	



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

Heading #7

Item #10 1 Single door 128, EXTERIOR From DAYROOM LOUNGE 128 RHR

1100 x 2135 x 44 - HM DR x HM FR

---

3	Standard Hinge	T4A3386 5" x 4 1/2" US32D NRP (127 x 114mm)	C32D
1	Exit Device (Night Latch)	ED5200 630 (128/957ET/626) RHR 44 1100 W048	630
1	Rim Cylinder Housing	MEDECO 32-0475H LFIC -Rim	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	9600-630	630
1	Surface Closer	CPS7500 689	689
1	Kick Plate	K1050 8" x 41.80" US32D 4BEV SA (203 x 1062mm)	C32D
1	Weatherstripping	2891AS -43 1/2" x 85" (1@1100, 2@2150mm)	A
1	Door Sweep	29326CNB 43 1/2" (1100mm)	C
1	Threshold	252X2AFG43.5 (1100mm)	AFG
1	Door Contact	DC BY SECURITY PROVIDER	
1	Card Reader	CR BY SECURITY PROVIDER	
1	REX	REX BY SECURITY PROVIDER	

\* NOTE: THIS OPENING WAS PREVIOUSLY TAGGED DOOR #144 AND WAS REVISED TO DOOR #128



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

# Heading #8

Item #11 1 Single door 100B, VESTIBULE 100 From ACCESS CORRIDOR RHR

1100 x 2150 x 51 - AL DR x AL FR

1	Continuous Hinge	CFM85HD1	C
1	Exit Device	ED4200 630 (K157ET/626) RHR 1100 x 2150 Door W048 D200 M52	630
1	Rim Cylinder Housing	MEDECO 32-0475H LFIC -Rim	
1	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
1	Cylinder Ring	K24A -CYLINER RING	
2	Construction Core	MEDECO 32-0201-CC	
2	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	9400-630	630
1	Door Pull	BF158 C32D Type 12 HD Mounting	C32D
1	Electronic Closer	ED250-SA-4X6-H-SGL-PUSH-NH-CL-43-R03-19	
2	Push-To-Open Switch	CM-60/4	
2	Mounting Box	CM-69S	
1	Overhead Door Stop	6-436 689	689
1	Door Contact	DC BY SECURITY PROVIDER	
1	Card Reader	CR BY SECURITY PROVIDER	
1	REX	REX BY SECURITY PROVIDER	
1	Door Bell	DOOR BELL BY KELCOM	

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: SUPPLY & INSTALLATION OF OPERATOR BY THIS SECTION.

\* NOTE: WAVE THE ACTUATOR BUTTON CYLCLES THE OPERATOR. MANUAL OPERATION WITH EXIT DEVICE FROM INSIDE.

\* NOTE: BALANCE OF GASKETING BY DOOR SUPPLIER.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

# Heading #9

Item #12 1 Single door 102, ACCESS CORRIDOR To DISTRICT CHIEF 102 RH

1100 x 2150 x 51 - WD DR x AL FR

3	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Office Lockset	ML2051 LWA 626 RH LC D200	626
1	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	1500C-630	630
1	Kick Plate	K1050 8" x 41.80" US32D 4BEV SA (203 x 1062mm)	C32D
1	Electronic Closer	ED100-SA-4X6-H-SGL-PULL-NH-CL-43-R03-19	
2	Push-To-Open Switch	CM-60/4	
2	Mounting Box	CM-69S	
1	Floor Door Stop	441CU C26D	C26D

\*NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: DOOR SCHEDULE CALLS FOR AN OPERATOR BUT NOT THE ELECTRICAL DRAWINGS, PLEASE CONFIRM.

# Heading #10

Item #13 1 Single door 103, ACCESS CORRIDOR To CAPTAINS OFFICE 103 RH

Item #14 1 Single door 104, ACCESS CORRIDOR To CAPTAINS OFFICE 104 LH

1100 x 2150 x 51 - WD DR x AL FR

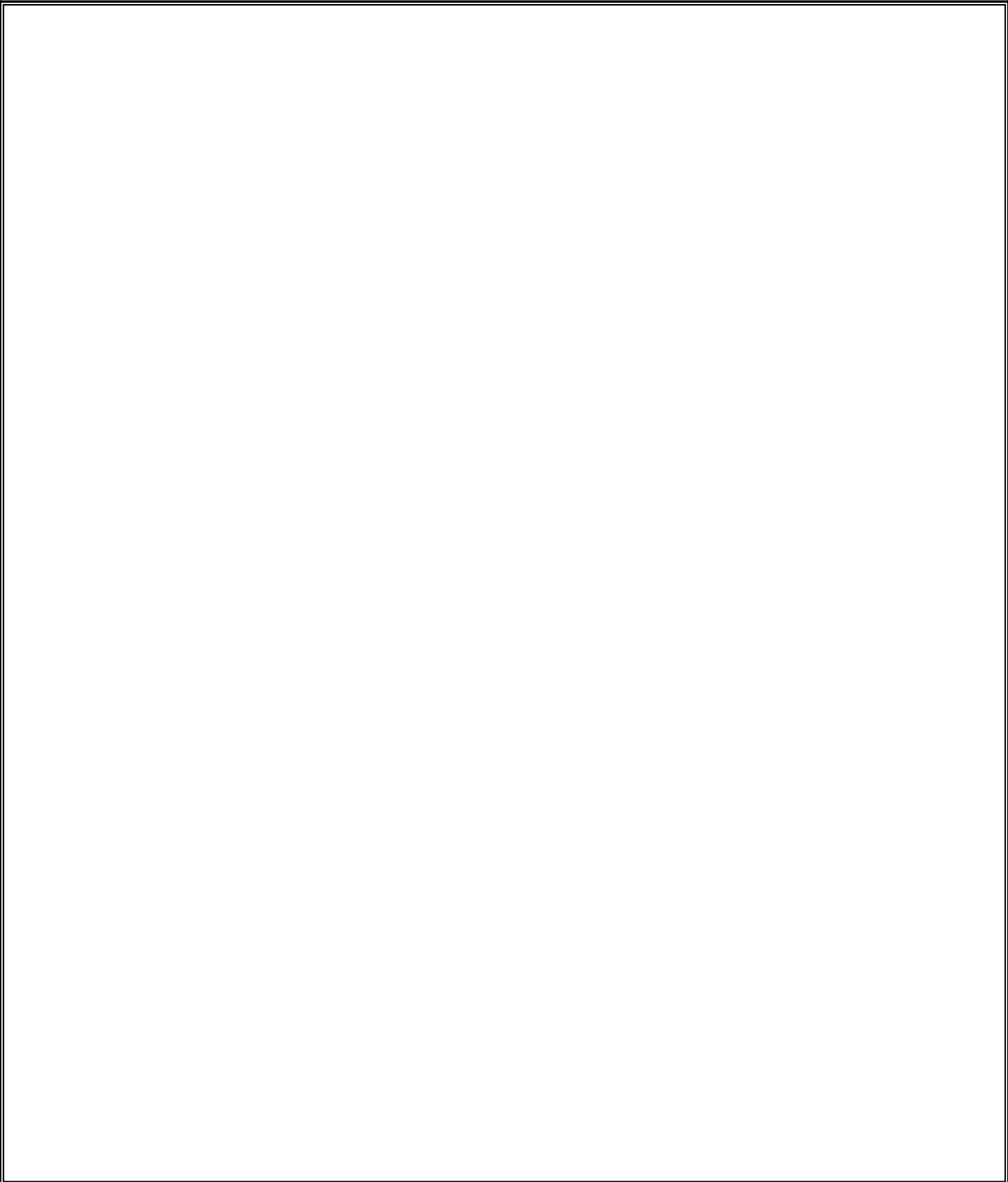
6	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Office Lockset	ML2051 LWA 626 LH LC D200	626
1	Office Lockset	ML2051 LWA 626 RH LC D200	626
2	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
2	Construction Core	MEDECO 32-0201-CC	
2	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
2	Floor Door Stop	441CU C26D	C26D



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024





Heading #11

Item #15      1 Single door 105, ACCESS CORRIDOR To UNIVERSAL WASHROOM 105      LH

965 x 2135 x 44 - HM DR x HM FR

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D NRP (127 x 114mm)	C26D
1	Storeroom Lockset	ML2057 LWA 626 LH LC	626
1	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	1500C-630	630
1	Overhead Door Stop	1-336 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Electronic Closer	ED100-SA-4X6-H-SGL-PULL-NH-CL-38-R03-19	
1	Restroom Control Kit	CX-WC13AXSM	
1	Universal Emergency Call Kit	CX-WEC10	
1	Coat Hook	RM821 C32D	C32D

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: DOOR NORMALLY CLOSED AND UNLOCKED VIA FAIL SAFE ELECTRIC STRIKE. PRESSING OUTSIDE BUTTON WILL OPEN DOOR. ONCE INSIDE, PRESSING THE PUSH TO LOCK BUTTON WILL LOCK THE ELECTRIC STRIKE / LIGHT UP OUTSIDE OCCUPIED LIGHT AND LOCK OUT THE OUTSIDE BUTTON. EGRESS BY PUSHING THE BUTTON OR MANUALLY PULLING OF THE DOOR WILL RESET THE SYSTEM FOR THE NEXT USER. EMERGENCY CALL SYSTEM TO SOUND ALARM AND LIGHT UP INSIDE AND OUTSIDE LIGHT AND UNLOCK THE DOOR.

Heading #12

Item #16      1 Single door 107, ACCESS CORRIDOR 108 To GYM 107      LH

1100 x 2150 x 51 - AL DR x AL FR

---

1	Continuous Hinge	CFM85HD1	C
1	Pull & Push Bar Set	BF15847-42" T5 Mounting C32D	C32D
1	Surface Closer	7500-REG 689 6891 7786	689
1	Overhead Door Stop	6-436 689	689



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

Heading #13

Item #17      1 Single door 108A, ACCESS CORRIDOR 108 From ACCESS CORRIDOR 114      RHR

965 x 2135 x 44 - HM DR x HM FR

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D NRP (127 x 114mm)	C26D
1	Exit Device (Passage)	ED5200 630 (128/910ET/630) RHR 44 965 W048	630
1	Electric Strike	9600-630	630
1	Electronic Closer	ED100-SA-4X6-H-SGL-PUSH-NH-CL-38-R03-19	
2	Push-To-Open Switch	CM-60/4	
2	Mounting Box	CM-69S	
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Overhead Door Stop	1-336 689	689

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: DOOR SCHEDULE CALLS FOR OPERATOR BY NOT THE ELECTRICAL DRAWINGS. PLEASE CONFIRM.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

#### Heading #14

Item #18 1 Single door 108B, ACCESS CORRIDOR 108 From DORMITORY 113 RHR

965 x 2135 x 44 - HM DR x HM FR

3	Standard Hinge	TA2714 5" x 4 1/2" US26D NRP (127 x 114mm)	C26D
1	Exit Device (Passage)	ED5200 630 (128/910ET/630) RHR 44 965 W048	630
1	Electric Strike	9600-630	630
1	Electronic Closer	ED100-SA-4X6-H-SGL-PUSH-NH-CL-38-R03-19	
2	Push-To-Open Switch	CM-60/4	
2	Mounting Box	CM-69S	
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Wall Door Stop	406 C26D	C26D
1	Auto Door Bottom	420APKL38" (965mm)	
1	Smoke/Sound Seal	S88 BL18	BL

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION..

\* NOTE: DOOR SCHEDULE CALLS FOR OPERATOR BUT NOT THE ELECTRICAL DRAWINGS. PLEASE CONFIRM.

#### Heading #15

Item #19 1 Single door 110, ACCESS CORRIDOR 108 To JANITORS CLO. 110 LH

965 x 2135 x 44 - HM DR x HM FR - 0hr

3	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Passage Latchset	ML2010 LWA 626 LH	626
1	Surface Closer	7500-REG 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Smoke/Sound Seal	S88 BL18	BL
1	Wall Door Stop	406 C26D	C26D



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

Heading #16

Item #20 1 Single door 112B, STAFF VESTIBULE 112 From ACCESS CORRIDOR 108 LHR

1100 x 2150 x 51 - AL DR x AL FR

1	Continuous Hinge	CFM85HD1	C
1	Exit Device	ED4200 630 (K157ET/626) LHR 1100 x 2150 Door W048 D200 M52	630
1	Rim Cylinder Housing	MEDECO 32-0475H LFIC -Rim	
1	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
1	Cylinder Ring	K24A -CYLINER RING	
2	Construction Core	MEDECO 32-0201-CC	
2	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Electric Strike	9400-630	630
1	Door Pull	BF158 C32D Type 12 HD Mounting	C32D
1	Electronic Closer	ED250-SA-4X6-H-SGL-PUSH-NH-CL-43-R03-19	
2	Push-To-Open Switch	CM-60/4	
2	Mounting Box	CM-69S	
1	Overhead Door Stop	6-436 689	689
1	Kick Plate	K1050 8" x 41.80" US32D 4BEV SA (203 x 1062mm)	C32D

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: SUPPLY & INSTALLATION OF OPERATOR BY THIS SECTION.

\* NOTE: PRESSING THE ACTUATOR BUTTON CYLCLES THE OPERATOR. MANUAL OPERATION WITH EXIT DEVICE FROM INSIDE.

\* NOTE: BALANCE OF GASKETING BY DOOR SUPPLIER.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

#### Heading #17

Item #21	1 Single door 115, ACCESS CORRIDOR 114 To WASHROOM / SHOWER 115	LH
Item #22	1 Single door 116, ACCESS CORRIDOR 114 To WASHROOM / SHOWER 116	RH
Item #23	1 Single door 117, ACCESS CORRIDOR 114 To WASHROOM / SHOWER 117	LH
Item #24	1 Single door 118, ACCESS CORRIDOR 114 To WASHROOM / SHOWER 118	RH

965 x 2135 x 44 - HM DR x HM FR

---

12	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
2	Privacy Latchset	ML2020 LWA 626 LH V10	626
2	Privacy Latchset	ML2020 LWA 626 RH V10	626
4	Surface Closer	7500-REG 689	689
4	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
4	Overhead Door Stop	9-336 689	689

#### Heading #18

Item #25	1 Single door 119, APPARATUS BAY 130 To LOCKER ROOM 119	RH
----------	---	----

965 x 2135 x 44 - HM DR x HM FR - 1hr

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Passage Latchset	ML2010 LWA 626 RH	626
1	Surface Closer	7500-REG 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Smoke/Sound Seal	S88 BL18	BL
1	Door Sweep	29326CNB 38" (965mm)	C
1	Threshold	252X226AP38" (965mm)	A
1	Wall Door Stop	406 C26D	C26D



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

# Heading #19

Item #26	1 Single door 120, LOCKER ROOM 119 To CHANGE ROOM 120	LH
Item #27	1 Single door 121, LOCKER ROOM 119 To CHANGE ROOM 121	RH

965 x 2135 x 44 - HM DR x HM FR

6	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Privacy Latchset	ML2020 LWA 626 LH V10	626
1	Privacy Latchset	ML2020 LWA 626 RH V10	626
2	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
2	Wall Door Stop	406 C26D	C26D

# Heading #20

Item #28	1 Single door 123, ACCESS CORRIDOR 122 From I.T. ROOM 123	LHR
----------	---	-----

965 x 2135 x 44 - HM DR x HM FR

3	Standard Hinge	TA2714 5" x 4 1/2" US26D NRP (127 x 114mm)	C26D
1	Storeroom Lockset	ML2057 LWA 626 LHR LC	626
1	Mortise Cylinder Housing	MEDECO 32-0275 -CAM - LFIC Mortise	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Surface Closer	CPS7500 689	689
1	Electric Strike	1500C-630	630
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Door Contact	DC BY SECURITY PROVIDER	
1	Card Reader	CR BY SECURITY PROVIDER	
1	REX	REX BY SECURITY PROVIDER	

\* NOTE: THIS OPENING WAS PREVIOUSLY TAGGED DOOR #122A AND WAS REVISED TO #123.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024



### Heading #21

Item #29	1 Single door 122B, ACCESS CORRIDOR 122 From ACCESS CORRIDOR 114	LHR
Item #30	1 Single door 143, ACCESS CORRIDOR 143 From DORMITORY 113	LHR

965 x 2135 x 44 - HM DR x HM FR

---

6	Standard Hinge	TA2714 5" x 4 1/2" US26D NRP (127 x 114mm)	C26D
2	Exit Device (Passage)	ED5200 630 (128/910ET/630) LHR 44 965 W048	630
2	Surface Closer	CPS7500 689	689
2	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
2	Wall Door Stop	406 C26D	C26D
2	Threshold	252X226AP38" (965mm)	A
2	Auto Door Bottom	420APKL38" (965mm)	
2	Smoke/Sound Seal	S88 BL18	BL

### Heading #22

Item #31	1 Single door 130, APPARATUS BAY 130 From ACCESS CORRIDOR 122	RHR
----------	---	-----

1100 x 2150 x 44 - STL DR x STL FR

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D NRP (127 x 114mm)	C26D
1	Exit Device (Passage)	ED5200 630 (128/910ET/630) RHR 44 1100 W048	630
1	Surface Closer	CPS7500 689	689
1	Kick Plate	K1050 8" x 41.80" US32D 4BEV SA (203 x 1062mm)	C32D
1	Smoke/Sound Seal	S88 BL18	BL
1	Door Sweep	29326CNB 43 1/2" (1100mm)	C
1	Threshold	252X226AP43 5/16" (1100mm)	A

\* NOTE: DOOR AND FRAME ARE A COMPLETE SYSTEM SUPPLIED BY TECHNICAL GLASS PRODUCTS (TGP) UNDER THE FIREFRAMES DESIGNER SERIES.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

### Heading #23

Item #32      1 Single door 131, APPARATUS BAY 130 To JANITORS 131      RH

965 x 2135 x 44 - HM DR x HM FR - 1hr

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Passage Latchset	ML2010 LWA 626 RH	626
1	Surface Closer	7500-REG 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Smoke/Sound Seal	S88 BL18	BL
1	Door Sweep	29326CNB 38" (965mm)	C
1	Threshold	252X226AP38" (965mm)	A
1	Wall Door Stop	406 C26D	C26D

### Heading #24

Item #33      1 Single door 132, APPARATUS BAY 130 To MECHANICAL ROOM 132      LH

965 x 2135 x 44 - HM DR x HM FR - 1hr

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Passage Latchset	ML2010 LWA 626 LH	626
1	Surface Closer	7500-REG 689	689
1	Overhead Door Stop	1-336 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Smoke/Sound Seal	S88 BL18	BL
1	Door Sweep	29326CNB 38" (965mm)	C
1	Threshold	252X226AP38" (965mm)	A



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

Heading #25

Item #34 1 Single door 133B, BAY VESTIBULE 133B From ACCESS CORRIDOR 108 LHR

1100 x 2150 x 44 - STL DR x STL FR - 1hr

3	Standard Hinge	T4A3386 5" x 4 1/2" US32D NRP (127 x 114mm)	C32D
1	Exit Device (Passage)	ED5200A 630 (128/910ET/626) LHR 44 1100	630
1	Electric Strike	9500-630	630
1	Electronic Closer	ED250-SA-4X6-H-SGL-PUSH-NH-CL-43-R03-19	
2	Push-To-Open Switch	CM-60/4	
2	Mounting Box	CM-69S	
1	Overhead Door Stop	6-436 689	689
1	Smoke/Sound Seal	S88 BL18	BL
1	Door Sweep	29326CNB 43 1/2" (1100mm)	C
1	Threshold	252X226AP43 5/16" (1100mm)	A

\* NOTE: ALL CONDUIT, BACK BOXES WITH HIGH & LOW VOLTAGE WIRING BY CONTRACTOR / VOLTAGE DIVISION.

\* NOTE: PRESSING THE ACTUATOR BUTTON CYCLES THE OPERATOR. MANUAL OPERATION WITH EXIT DEVICE FROM INSIDE.

\* NOTE: DOOR AND FRAME ARE A COMPLETE SYSTEM SUPPLIED BY TECHNICAL GLASS PRODUCTS (TGP) UNDER THE FIREFRAMES DESIGNER SERIES.



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

### Heading #26

Item #35 1 Single door 134, ELECTRICAL ROOM 135 To WATER METER / SPRINKLER RM 134 LH

965 x 2135 x 44 - HM DR x HM FR - 45min

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Passage Latchset	ML2010 LWA 626 LH	626
1	Surface Closer	7500-REG 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Smoke/Sound Seal	S88 BL18	BL
1	Wall Door Stop	406 C26D	C26D

### Heading #27

Item #36 1 Single door 135B, WORKSHOP 136 From ELECTRICAL ROOM 135 LHR

965 x 2135 x 44 - HM DR x HM FR - 45min

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D NRP (127 x 114mm)	C26D
1	Exit Device (Classroom)	ED5200A 630 (128/955ET/626) LHR 44 965 W048	630
1	Rim Cylinder Housing	MEDECO 32-0475H LFIC -Rim	
1	Construction Core	MEDECO 32-0201-CC	
1	Permanent Core	PERM. CORE PROVIDED BY CASH ALLOWANCE	
1	Surface Closer	CPS7500 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Smoke/Sound Seal	S88 BL18	BL

### Heading #28

Item #37 1 Single door 136A, APPARATUS BAY 130 To WORKSHOP 136 RH

Item #38 1 Single door 137, APPARATUS BAY 130 To LAUNDRY 137 RH

965 x 2135 x 44 - HM DR x HM FR

---

6	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
2	Passage Latchset	ML2010 LWA 626 RH	626
2	Surface Closer	7500H-REG 689	689
2	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
2	Wall Door Stop	406 C26D	C26D



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024

### Heading #29

Item #39 1 Single door 138, APPARATUS BAY 130 To BUNKER GEAR ROOM 138 LH

965 x 2135 x 44 - HM DR x HM FR

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Passage Latchset	ML2010 LWA 626 LH	626
1	Surface Closer	7500H-REG 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Overhead Door Stop	9-336 689	689

### Heading #30

Item #40 1 Single door 140, APPARATUS BAY 130 To COMPRESSOR ROOM 140 LH

965 x 2135 x 44 - HM DR x HM FR

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D (127x114mm)	C26D
1	Passage Latchset	ML2010 LWA 626 LH	626
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Wall Door Stop	406 C26D	C26D

### Heading #31

Item #41 1 Single door 142A, MATERIAL STORAGE 141 To OUTDOOR STORAGE 142 RH

965 x 2135 x 44 - HM DR x HM FR

---

3	Standard Hinge	TA2714 5" x 4 1/2" US26D NRP (127 x 114mm)	C26D
1	Passage Latchset	ML2010 LWA 626 RH	626
1	Surface Closer	7500H-REG 689	689
1	Kick Plate	K1050 8" x 36 1/2" US32D 4BE SA (200x927mm)	C32D
1	Wall Door Stop	406 C26D	C26D
1	Door Sweep	29326CNB 38" (965mm)	C
1	Threshold	252X226AP38" (965mm)	A



CITY OF MISSISSAUGA FIRE STATION  
MISSISSAUGA

Submittal Date: JUNE 12, 2024