

PART 1 - GENERAL

1.1 REFERENCES

- .1 American Society for Testing and Materials International (ASTM)
 - .1 ASTM C 423-07, Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
- .2 Canada Green Building Council (CaGBC)
 - .1 LEED Canada-NC-2009, LEED (Leadership in Energy and Environmental Design): Green Building Rating System Reference Package For New Construction and Major Renovations.
- .3 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-51.34-M86(R1988), Vapour Barrier, Polyethylene Sheet for Use in Building Construction.
 - .2 CAN/CGSB-92.1-M89, Sound Absorptive Prefabricated Acoustical Units.
- .4 Canadian Standards Association (CSA International)
 - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
- .5 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .6 South Coast Air Quality Management District (SCAQMD), California State
 - .1 SCAQMD Rule 1113-04, Architectural Coatings.
 - .2 SCAQMD Rule 1168-05, Adhesives and Sealants Applications.
- .7 Underwriter Laboratories of Canada (ULC)
 - .1 CAN/ULC-S702-97, Standard for Thermal Insulation, Mineral Fibre, for Buildings.

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| 1.2 ACTION AND
INFORMATIONAL
SUBMITTALS | .1 | Provide submittals in accordance with Section 01 33 00 - Submittal Procedures. |
| | .2 | Provide product data in accordance with Section 01 33 00 - Submittal Procedures. |
| | .3 | Provide samples in accordance with Section 01 33 00 - Submittal Procedures. |
| | .1 | Submit duplicate sample of each type acoustical unit. |
| | .4 | Sustainable Design Submittals: |
| | .1 | LEED Canada - Submittals: in accordance with Section 01 35 21 - LEED Requirements. |
| 1.3 ENVIRONMENTAL
REQUIREMENTS | .1 | Commence installation after building enclosed and dust generating activities are completed. |
| | .2 | Permit wet work to dry prior to commencement of installation. |
| | .3 | Maintain uniform minimum temperature of 15 degrees C and relative humidity of 20- 40% prior to, during and after installation. |
| 1.4 DELIVERY,
STORAGE AND
HANDLING | .1 | Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements. |
| | .2 | Waste Management and Disposal: |
| | .1 | Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal. |

PART 2 - PRODUCTS

- 2.1 MATERIALS .1 Acoustical Wall Panel System:
- .1 Material: Aspen wood fibres bonded with inorganic hydraulic cement.
 - .2 Thickness: 25.4 mm.
 - .3 Edge: Long edge bevelled.
 - .4 Width and length to suit configuration and sizes indicated.
 - .5 Factory painted white.
 - .6 Colour: to be selected from manufacturer's standard colour range.
 - .7 Conform to the requirements of SCAQMD Rule 1113 and Rule 1168.
- 2.2 ACCESSORIES .1 Provide accessories as follows:
- .1 Painted Head Drywall Screws:
 - .1 Material: steel.
 - .2 Color: white.
 - .2 Moulding:
 - .1 Material: Plastic.
 - .2 Manufacturer's standard.
 - .3 Touch-Up Paint:
 - .1 Colour: white.
- 2.3 FABRICATION .1 Demountable acoustic units:
- .1 Use one piece trim, continuous, with mitred corners and concealed fastenings.
 - .2 Conceal and make magnetic fastenings integral part of trim. Adhesive bonding of magnets is not acceptable.

PART 3 - EXECUTION

- 3.1 MANUFACTURER'S INSTRUCTIONS .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.
- 3.2 INSTALLATION .1 Ensure substrate surface is straight to tolerance of plus or minus 3 mm over 3000 mm.
.2 Install acoustic units to clean, dry and firm substrate.
.3 Install acoustic units plumb and aligned. Arrange units as indicated.
.4 Scribe acoustic units to fit adjacent work. Butt joints tight.
- 3.3 CLEANING .1 Proceed in accordance with Section 01 74 11 - Cleaning.
.2 Keep acoustic installation and all components clean. Remove blemishes immediately.
- 3.4 PROTECTION .1 Protect finished acoustical wall treatment from damage.
.2 Remove prior to substantial completion.
- 3.5 SCHEDULES .1 As indicated.