Part 1 GENERAL

1.1 GENERAL REQUIREMENTS

1. Conform to Sections of Division 1 as applicable.

1.2 RELATED WORK

1. Building-in anchors and other items in masonry walls: Section 04 04 25 Masonry Units.

2. Sealing between louvre frames and adjacent work: Section 07 90 00, Sealants.

1.3 PERFORMANCE REQUIREMENTS

1. Deflection: louvre members shall deflect not more than 1/180 of span between supports when subjected to wind load of 1 kPa applied horizontally to louvre blade.

2. Louvres shall provide for nominal 50% free area.

3. Vibration: louvre members shall not vibrate or rattle.

1.4 SUBMITTALS

1. Submit shop drawings in accordance with the General Conditions of the Contract.

2. Submit PPG Powder Coating full spectrum RAL colour chart.

1.5 DELIVERY, STORAGE AND HANDLING

1. Should storage on Site be necessary, follow manufacturers' instructions as to method of storage.

1.6 WARRANTY

1. Warrant work of this Section against defects and deficiencies in accordance with General Conditions of the Contract. Promptly make good defects and deficiencies that become apparent within warranty period, to satisfaction of the Consultant and at no expense to Client

Part 2 PRODUCTS

2.1 MATERIALS AND FABRICATION

1. Aluminum extrusions: AA6063-T52 alloy.

2. Fastenings: Aluminum or stainless steel.

3. Louvres: stationary, 150 mm deep unless otherwise indicated, with stormproof

blades: Architectural Horizontal line Louvres by Construction Specialties Inc. or equivalent product by K.N. Crowder, E.H. Price, M.W. McGill, Ten Plus Architectural Products. Unless otherwise shown, provide concealed mullions.

4. Bird screen: 12 mm mesh, 1.5 mm double crimped aluminum wire; extruded aluminum frame, corners mitered.

5. Sill extensions: extruded aluminum, depth to suit wall condition, concealed clip anchors, drip deflectors at sill ends.

6. Insulated blank-off panels: 50 mm thick rigid insulation core, faced both sides with 0.8 mm thick aluminum sheet. Panel perimeter framed with extruded aluminum sections. Closed cell PVC perimeter gaskets. Intake opening to be coordinated with Division 23 Heating Ventilation and Air Conditioning and positioned as far from exhaust opening as is feasible.

7. Finish of exposed surfaces: PPG Powder coat custom colour to match existing green painted fascia, soffit and trim at perimeter of existing slate roof, AA M12 C22A31.

Part 3 EXECUTION

3.1 EXAMINATION

1. Commence installation only when variations or discrepancies on the Site that will prevent satisfactory installation are corrected.

3.2 Installation

1. Install louvres plumb and level and securely fasten to adjacent building elements.

2. Except where exposed mullions are indicated, provide concealed mullions; space mullions as required to keep louvre blades within specified deflection limit.

3. Allow for expansion and contraction of metal components without detrimental effects.

4. Dissimilar metals and metals in contact with cementitious elements shall have contact surfaces coated with bituminous paint or other means approved the Consultant.

5. Install bird screens at all louvres.

6. Install sill extensions. Where shown install trim matching louvre material and finish

7. Install insulated black-off panels at unused portions of louvres, except where louvres are designated to be left open.

8. Install louvres as shown on drawings.
9. Provide mitered corners where noted on drawings.

End of Section 08 91 19