

Part 1 General

1.1 RELATED REQUIREMENTS

- .1 Section 23 05 01 – Common Work Results for Mechanical.

1.2 REFERENCES

- .1 American National Standards Institute (ANSI)/ National Fire Protection Association (NFPA)
 - .1 ANSI/NFPA 96-21, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations.
- .2 American Society for Testing and Materials International (ASTM)
 - .1 ASTM E 90-09(2016), Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
- .3 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
- .4 Material Safety Data Sheets (MSDS).
- .5 Sheet Metal and Air Conditioning Contractors' National Association (SMACNA)

1.3 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle in accordance with Section 01 61 00-Common Product requirements.
- .2 Deliver materials to site in original factory packaging, labelled with manufacturer's name, address.

Part 2 Products

2.1 FIXED PENTHOUSE LOUVRES-ALUMINUM

- .1 Construction: welded with exposed joints ground flush and smooth.
 - .2 Material: extruded aluminum alloy 6063-T5.
 - .3 Blade: stormproof pattern with centre watershed in blade, reinforcing bosses and maximum blade length of 1500 mm.
 - .4 Frame, head, sill and jamb: 100 mm deep one-piece extruded aluminum, minimum 3 mm thick with approved caulking slot, integral to unit. Contractor shall coordinate frame thickness to suit each louvre location prior to submitting shop drawings.
 - .5 Mullions: at 1500 mm maximum centres.
 - .6 Fastenings: stainless steel SAE-194-8F with SAE-194-SFB nuts and resilient neoprene washers between aluminum and head of bolt, or between nut, stainless steel washer and aluminum body.
 - .7 Screen: 12 mm mesh, 2 mm diameter wire aluminum bird screen on inside face of louvres in formed U-frame.
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- .8 Where indicated provide penthouse louvres. Penthouse louvres shall comply with this specification section. Corners shall be mitered. Provide 450mm high insulated seismically rated roof curb under penthouse louver. Seal all joints. Roof shall be sloped for drainage.
- .9 Finish: factory applied enamel. Colour shall be custom to Departmental Representative approval.

Part 3 Execution

3.1 INSTALLATION

- .1 In accordance with manufacturer's and SMACNA recommendations.
- .2 Reinforce and brace as indicated.
- .3 Anchor securely into opening. Seal with caulking to ensure weather tightness.