

SECTION 10200

WALL LOUVERS

PART 1 GENERAL

1.01 SUMMARY

A. Related Sections:

1. 07900 - Joint Sealers.

1.02 SUBMITTALS

A. Product Data: Include material specifications and printed installation instructions before starting work.

B. Shop Drawings:

1. Indicating louver locations and elevations, opening clearance dimensions and tolerances, head, jamb, and sill details, blade configurations, screens, frames, gage of metal, stiffeners, clips, fastening and anchor gage devices, and color standard selections.
2. Signed and sealed by a Florida registered professional engineer.

1.03 QUALITY ASSURANCE

A. Louvers shall be tested and certified according to Building Services and Research Information Services (BSRIA) and be 100 percent effective against water penetration.

B. Louvers, louver frames, mullions, and fastenings shall be designed to resist wind velocity pressures determined by American Society of Civil Engineers (ASCE) 7-98.

1. Use wind velocity pressure values for the specific project according to ASCE 7-98 using a wind speed of 146 mph, exposure category "C", and a wind load importance factor of 1.15.

C. Deflection shall not exceed 1/180th of member span.

D. Certification: Submit manufacturer's certification that louvers and fastenings conform to code, minimum safe and deflection limits, and anodized film thickness requirement.

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PART 2 PRODUCTS

2.01 MATERIALS

A. Wall Louvers:

1. Manufacturers:

a. Vertical "Storm Resistant/Storm Class" aluminum louvers.

1) Model RS-4600, by Construction Specialties, Inc., (division of C/S Group of Companies), Cranford, NJ.

2) Model SCV8 by Airolite, Marietta, OH.

b. Horizontal "Storm Resistant/Storm Class" aluminum louvers:

1) Model RS-8400 by Construction Specialties, Inc., (division of C/S Group of Companies), Cranford, NJ. or accepted equivalent.

2. Sizes: As indicated on drawings.

3. Fabrication:

a. Materials: Fabricate blades, jamb frames, and mullions from extruded 6063-T52 aluminum alloy.

b. Bird Screens: Removable type, 1/4" square aluminum in aluminum channel frames.

c. Insect Screen: 18x16 fiberglass mesh or 18x14 metal mesh.

d. Fasteners: Approved stainless steel fasteners for securing louver frames to wall construction.

e. Finish: Kynar 500 as base vehicle. Clear or color anodized aluminum. Color as selected by A/E.

f. Sealant: As specified in Section 07920.

PART 3 EXECUTION

3.01 INSPECTION

A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion of the work have been corrected in an acceptable manner.

3.02 INSTALLATION

A. Install louvers where indicated on drawings according to

manufacturer's printed installation instructions and accepted Shop Drawings.

- B. After installation is complete, clean louver assemblies with materials and methods as recommended by manufacturer.

END OF SECTION

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