

PROPRIETARY ITEM: SMOKEDAM GLASS SMOKE BAFFLE

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. smoke compartmentation
 - 2. Proprietary baffle system
 - 3. For shopping centers, offices etc
- B. Related Requirements:
 - 1. Load Bearing Header Structure
 - 2. Side edge restraint
 - 3. Finish: Clear Glass.

1.02 REFERENCES

- A. National Construction Code:
 - 1. NCC 2014/2015 – Specification E2.2b

1.03 SUSTAINABLE DESIGN REQUIREMENTS

- A. ESD: Comply with sustainable design requirements including, without limitation, submittal and documentation requirements.
- B. Credit/Point Goals Applicable To This Section: In addition to global project credit/point goals:
 - 1. Materials & Resources - construction waste management
 - 2. Materials & Resources - recycled content
 - 3. Materials & Resources - regional materials
 - 4. Indoor Environmental Quality - construction IAQ management plan

1.04 SUBMITTALS

- A. Comply with Submittal Procedures:
 - 1. Manufacturers Product data
 - 2. Shop drawings:
 - a. location and unique identification number
 - b. Include opening dimensions
 - c. Show and identify related work performed under other sections of the specifications
 - 3. Quality Assurance/Control Submittals:
 - a. Site Inspection and Test Plan.
 - b. Manufacturers ISO 9001 Certificate of Accreditation

1.05 CLOSEOUT SUBMITTALS

- A. Comply with Project Closeout:
 - 1. Certificate of Compliance.
 - 2. Operation and maintenance manual.
 - 3. Manufacturer's warranty.

1.06 QUALITY ASSURANCE

- A. Certifications:
 - 1. Manufacturers Certificate of Compliance

- B. Pre-Installation Meeting:
 - 1. Schedule and convene a pre-installation meeting prior to commencement of field operations with representatives of the following in attendance: Owner, Architect, General Contractor, certifier
 - 2. Review substrate conditions, requirements of related work, installation instructions, storage and handling procedures, and protection measures.
 - 3. Document the responsibilities of various parties and deviations from specifications and installation instructions.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Comply with project delivery, storage, and handling requirements.
- B. Comply with manufacturer's instructions.

1.08 WARRANTY

- A. Provide manufacturer's standard one year warranty for Defect Liability Period.
- B. Maintenance and Testing:
 - 1. Provide Commissioning documentation including Project name, project address, location and number, observations, comments, Pass/fail.
 - 2. Re-certification after the defect liability period

PART 2 - PRODUCTS

2.01 MANUFACTURED UNITS

- A. Proprietary item; SmokeDam Glass Smoke Baffle
- B. Manufacturer:
 - 1. Smoke Control Systems Pty Ltd
 - 2. Distributed by Smoke Control Systems Pty Ltd, 26 Ferndell St, South Granville, NSW 2142, Australia www.smokecontrol.com.au
- C. Label each baffle with following information:
 - 1. Manufacturer's name and contact details.
 - 2. location and unique identification number
 - 3. Specification in accordance with AS1288 & AS2208

2.02 DESIGN CRITERIA

- A. Top restraint system; steel angle, SHS or the like
- B. Glass type; Various (10-12mm)
- C. Channel; Proprietary aluminum
- D. Finishes; Dulux Duralloy colour range (optional)

- E. Load requirements at head = 40 kg/m of width
 - F. Mounting orientation
 - 1. Installation Configuration: Channel attached directly to substrate.
 - 2. Fabricate and install mounting brackets, hardware, and fasteners needed to attach baffle assembly to building structure.
- 2.03 PERFORMANCE CRITERIA
- 1. Non-combustible
 - 2. Non-shatter able
 - 3. 200°C for 30 min
- 2.04 COMPONENTS
- A. Glass: Toughened Safety Glass
 - B. Channel: Proprietary aluminum

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates upon which work will be installed.
 - 1. Verify related work performed under other sections is complete and in accordance with shop drawings.
 - 2. Verify wall surfaces are acceptable for installation of fire shutter system components
 - 3. Verify setout point locations.
- B. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.
- C. Commencement of work by installer is acceptance of substrate.

3.02 INSTALLATION

- A. Install baffle system components in accordance with manufacturer's installation instructions.

3.03 FIELD QUALITY CONTROL

- 1. Complete Inspection and Test Plan

END OF SECTION