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:
   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