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## CERTIFICATE OF APPROVAL

### No CF 5424

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

## QMI BUILDING METAL PRODUCTS MANUFACTURING LLC

Dubai Industrial City, Dubai, U.A.E P. O 233895 Dubai  
Tel +971 4 4279598

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

#### CERTIFIED PRODUCT

Guardian Uninsulated, non-  
loadbearing, fully glazed  
screens: 60, 120 and 180 minutes  
Integrity and 30 minutes  
Insulation Performance And  
Guardian Uninsulated, non-  
loadbearing, steel panelled  
screens: 60, 120 and 180 minutes  
Integrity

#### TECHNICAL SCHEDULE

TS25 – Fire Resistant Glass,  
Glazing Systems and Materials  
TS49 – Vertical and Horizontal  
Separating Elements

Signed and sealed for and on behalf of Exova (UK) Limited trading as  
Warrington Certification



Sir Ken Knight  
Chairman  
Impartiality Committee



Paul Duggan  
Certification Manager



Issued: 18<sup>th</sup> April 2016  
Revised: 7<sup>th</sup> March 2017  
Next audit test due: 18/04/2019  
Frequency: Every 3 years  
Valid to: 17<sup>th</sup> April 2021

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**Guardian Fire Rated Glazed Screens – 60, 120 And 180 Minutes Integrity Performance And 30 Minutes Insulation Performance, And Guardian Uninsulated, Non-Loadbearing, Steel Panelled Screens: 60, 120 and 180 Minutes Integrity**

1. This approval relates to the use of the glazed and steel panelled screens to provide a fire resistance of 60, 120 or 180 minutes integrity, as defined in BS 476: Part 22: 1987 but using test results achieved against the following standards – BS EN 1363-1: 2012; Fire Resistance Tests – Part 1: General Requirements, EN 1363-2: 1999; Fire Resistance Tests – Part 2: Alternative and additional procedures and EN 1364-1: 1999; Fire resistance tests for non-loadbearing elements – Part 1: Walls.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.
3. The glazed and steel panel screens are approved on the basis of:
  - i) Initial type testing (Test Report Ref: QA064-B, issued 06 March 2016 by Thomas Bell-Wright International Consultants) for glazed screens.
  - ii) A design appraisal against TS25 which has been based on the specimens tested under the test report referenced QA064-B.
  - iii) Certification of quality management system to ISO 9001: 2008.
  - iv) Inspection and surveillance of factory production control.
  - v) Audit testing as defined in TS25 and TS49.
4. The glazed and steel panel screens comprise galvanised, mild steel, tubular framing members which support fully insulating fire rated glass or galvanised steel faced panels with honeycomb or Rockwool insulation infill.
5. This approval is applicable to complete glazed or panelled screen systems. Opening windows are not included within the scope of this approval. Overall height of glazed/panelled screen should not exceed 4000 mm unless secured back to a fire rated supporting structure at no more than 4000 mm centres. Width of screens may be unlimited.
6. The screens shall be mechanically fixed to wall/floor constructions having a fire resistance of at least the same period as the screens.
7. Screens are only approved when the tubular framing members face the unexposed side of the assembly (i.e. the pressure plate faces the fire hazard direction).
8. Incorporation of double-glazed units are not approved under the scope of this approval unless CERTIFIRE approved for this application.

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GUARDIAN FIRE RATED GLAZED SCREENS – 60, 120 AND 180 MINUTES INTEGRITY PERFORMANCE AND 30 MINUTES INSULATION PERFORMANCE AND GUARDIAN UNINSULATED, NON-LOADBEARING, STEEL PANELLED SCREENS: 60, 120 and 180 MINUTES INTEGRITY

**Table 1. Maximum Permitted Glass Pane Dimensions within System\***

Integrity/Insulation Performance (minutes)	Maximum Height (mm)	Maximum Width (mm)	Subject to Maximum Area of (m <sup>2</sup> )
60/30	3516	1746	5.11
120/30	3516	1746	5.11
180/30	3516	1746	5.11

**\*NOTE:** sizes given above are for Contraflam Lite 60 with Kerafix Flexit (20x5mm) between the glass and frame/bead and Kerafix Flexpan 200 (14x2mm) around the perimeter of the glass pane. Other CERTIFIRE approved glass types may be utilised as detailed within the scope of this approval.

**Table 1. Maximum Permitted Steel Panel Dimensions within System\***

Integrity Performance (minutes)	Maximum Height (mm)	Maximum Width (mm)	Subject to Maximum Area of (m <sup>2</sup> )
60	3516	1746	5.11
120	3516	1746	5.11
180	3516	1746	5.11

**\*NOTE:** sizes given above are for galvanised steel faced panels with honeycomb or Rockwool insulation infill as detailed within the scope of this approval.

**\*NOTE:** CERTIFIRE approved air transfer grilles that are approved for use within steel door leaves may be incorporated within the steel panels. The overall area of the air transfer grille(s) shall be included within the maximum permitted aperture size as indicated by the Certifire approved air transfer grille manufacturers.

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9. Door frame may be clad with stainless steel, 1.2-1.5 mm thick. Fitment of stainless steel cladding will involve wrapping the stainless steel sheet around the galvanised mild steel frame profile. No adhesives or mechanical fixings will be used to aid retention.
10. Labels to the CERTIFIRE design referencing QMI BUILDING METAL PRODUCTS MANUFACTURING LLC, CERTIFIRE and CERTIFIRE Ref. No. CF 5424 shall be affixed to each window in the prescribed position.
11. This approval relates to on-going production. The product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name and mark together with the CERTIFIRE Certificate number (CF 5424) and application where appropriate.