



CERTIFIED COPY

CERTIFICATE OF FIRE APPROVAL


This is to certify that

The product(s) detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations for use on offshore installations classed with Lloyd's Register, and for use on offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Deansteel Manufacturing Company
Address	111 Merchant Street San Antonio Texas 78204-1496 United States of America (USA)
Type	H-30 DOOR DOUBLE LEAF HINGED
Description	Fire Resisting Door - Type: "Double Leaf Hinged Door, Drawing No. 95027"
Specified Standard	IMO Resolution A.754 (18) UK Department of Energy Hydrocarbon Time/Temperature Relationship

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue	6 June 2008	Expiry date	5 June 2013
Certificate No.	SAS F080122	Signed	
Sheet No	1 of 2	Name	M. Farrier Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 6 June 2008	Quote this reference on all future communications LDSS/PAS/FITA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F080122

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Southwest Research Institute, Houston, Texas, United States of America, Test Report No. 01.12695.01.203, dated 5 April 2007.
 Drawing Number 95027 Sheet 1-18, dated 13 October 2006.

CONDITIONS OF CERTIFICATION

1. When fitted in a steel bulkhead with at least 76 x 76 x 13mm stiffeners or equivalent in way of opening.
2. Consisting of a double leaf hinged door with a clear opening size of 2591mm wide x 2667mm high. The door leaves having maximum dimensions of 1219mm wide x 2590mm high and overall thickness of 127mm (5 3/32 inches). Door leaves comprised of 14 gauge steel facing and back panel with a insulation core comprising five layers of Insulfrax ceramic blanket 25mm thick (1 inch thick) nominal density 128kg/m³. Insulation is pinned in position.
3. The door may be fitted with a window having a maximum clear opening of 254mm x 254mm. The composite glass is 85.7 mm (3 3/8 inches) thick, comprised of 2 panes of multi-laminated glass 40mm, 8mm gap, 37mm multi-laminated glass, named pyrostop H120-20 (manufactured by Pilkington), with a layer of intumescent gel between the panes.
4. The frame may be either bolted to the bulkhead with 9.5 mm diameter bolts spaced 152 mm (6 inches) from the corner and 203 mm (8 inches) centres or continuously welded on at least one side.
5. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.

NOTE: This door may also be accepted for A-60 applications.

PLACE OF PRODUCTION

Deansteel Manufacture Co
 111 Merchant Street
 San Antonio,
 Texas
 USA 78204



M. Farrier
 Lead Specialist
 Product Approval Services
 London Design Support Services
 Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).