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APPROVAL REPORT

**MODEL VK104, VK112, VK162, VK304, VK305, VK307,
VK308, VK606 AND VK630 HSW, DRY HSW AND ECLH
HSW AUTOMATIC SPRINKLERS WITH NOMINAL
DISCHARGE COEFFICIENTS OF 5.6 AND K8.0
GAL/MIN/(PSI)^{1/2} WITH THE MODEL G-1 RECESSED
ESCUTCHEON**

Prepared for:

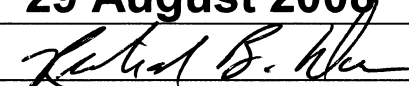
**The Viking Corporation
210 North Industrial Park Road
Hastings, MI 49058**

Project ID: 3032164

Class: 2015

Date of Approval: 29 August 2008

Authorized by:


Richard B. Dunne, Manager-Hydraulics Group

FM Approvals
1151 Boston-Providence Turnpike
P.O. Box 9102
Norwood, MA 02062



Factory Mutual Research

Hydraulics Laboratory
743A Reynolds Road
West Glocester, Rhode Island 02814
Telephone (401) 567-0590
Fax (401) 567-0599

APPROVAL AGREEMENT

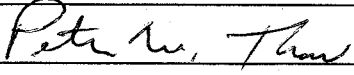
The Agreement is made by and between Factory Mutual Research Corporation, (herein called FMRC), and **The Viking Corporation, Hastings, Michigan 49058** (herein called the Client). The Client is making a product or providing a service known and described as:

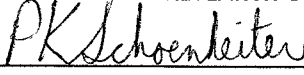
Revision of Model Designation from
E to E1

This product or service has been examined by FMRC as described in the report bearing Job Identification **1W1A1AH**, dated **May 15, 1992**

In consideration of FMRC Approval of the product or service the Client authorized to indicate such approval, as stated by the above report, and agrees to the following and terms stated on the reverse side of this Agreement:

1. The Client shall place a unique identification mark (i.e. model or type number) on the product as stated in the above report and shall not place this mark on any other product unless covered by separate agreement with FMRC.
2. The Client shall use the FMRC Approval mark on the product, but shall not use this mark on any other product unless such other product is covered by separate agreement with FMRC.
3. The Client shall not use, reproduce or distribute the above referenced report by FMRC except in its entirety without any change, deletion or addition thereto. The Client agrees that FMRC may distribute the referenced report and related information within the Factory Mutual System. (SEE OVER)

The Viking Corporation

 Client
 Signature
Peter W. Thomas
 Name
Director, R & D
 Title
Hastings, MI 49058
 Address
July 20, 1992
 Date

FACTORY MUTUAL RESEARCH CORPORATION

 Signature
P.K. Schoenheiter
 Name
Mgr. of F&EC Standards Dept.
 Title
July 13, 1992
 Date



Factory Mutual Research

1151 Boston-Providence Turnpike
P.O. Box 688
Norwood, Massachusetts 02062
Telephone (617) 762-4300
Telex 92-4415

APPROVAL AGREEMENT

This Agreement is made by and between Factory Mutual Research Corporation, (herein called Factory Mutual), and The Viking Corporation, Hastings, MI 49058 (herein called the Client). The Client is making a product or providing a service known and described as:

MODEL E

RECESSED BULB TYPE AUTOMATIC SPRINKLER

1/2 in. (12.7 mm) & 17/32 in. (13.5 mm) ORIFICE

135, 155, 175, 200°F (57, 68, 79, 93°C)

BRONZE & CHROMIUM PLATED

This product or service has been examined by Factory Mutual as described in the report bearing Job Identification 2H2A5.AH, dated June 3, 1986

In consideration of Factory Mutual Approval of the product or service the Client is authorized to indicate such approval, as stated by the above report, and agrees to the following and terms stated on the reverse side of this Agreement:

1. The Client shall place a unique identification mark (i.e. model or type number) on the product as stated in the above report and shall not place this mark on any other product unless covered by separate agreement with Factory Mutual.

2. The Client shall use the Factory Mutual approval mark on the product, but shall not use this mark on any other product unless such other product is covered by separate agreement with Factory Mutual.

3. The Client shall not use, reproduce or distribute the above referenced report by Factory Mutual except in its entirety without any change, deletion or addition thereto.

(SEE OVER)

Client
James C. Reiff
Signature

Name

Title

Address
7-14-86
Date

FACTORY MUTUAL RESEARCH

Carl E. Miller
Signature
Carl E. Miller
Name
V.P. & Mgr. - Approvals Division
Title
June 24, 1986
Date