



NYC Department of Buildings  
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Patricia Lancaster, FAIA, Commissioner  
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## Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

### MEA 302-06-E

**Manufacturer:** Tyco Fire & Building Products, 1550 Valley Center Parkway, Bethlehem, PA 18017

**Trade Name(s):** Grinnell

**Product:** Grinnell Figures 672 Coupling and 61 Flange  
Grinnell Figures 601, 610, 619, 660, 621 Copper Fittings

**Pertinent Code Section(s):** Reference Standard RS 17

**Prescribed Test(s):** UL 213

**Laboratory:** Underwriters Laboratories, Inc.

**Test Report(s):**

- (1) UL File Ex3201, Projects: 03CA31746/Ex3202, 03NK34263, 03NK35592, 04NK02052/Ex3202, 04NK04431, 04NK08736, 04NK09543, 04NK23034, 04NK27928, 05NK07333, 05NK12799, issued March 3, 2004, revised April 10, 2006.
- (2) UL FILE Ex3202, Projects: 03CA31746/Ex3201, 03NK13310, 03NK34301, 04NK02052/Ex3201, 04NK07499, 04NK09542, 05NK07331, 05NK12799/Ex3201, issued May 21, 2004, revised October 8, 2005.
- (3) UL letter dated April 12, 2006.

**Description:** Grooved-end fittings and rubber-gasket fittings.

<b>Model</b>	<b>Type</b>	<b>Size</b>	<b>Pressure Rating</b>
Grinnell Figure 672	<b>Rolled</b>	<b>2"</b>	<b>175 psi</b>
Grinnell Figure 672	"	<b>2-1/2"</b>	<b>175 psi</b>
Grinnell Figure 672	"	<b>3"</b>	<b>175 psi</b>
Grinnell Figure 672	"	<b>4"</b>	<b>175 psi</b>
Grinnell Figure 672	"	<b>5"</b>	<b>175 psi</b>
Grinnell Figure 672	"	<b>6"</b>	<b>175 psi</b>
Grinnell Figure 672	"	<b>8"</b>	<b>175 psi</b>
Grinnell Figure 61	"	<b>2"</b>	<b>175 psi</b>
Grinnell Figure 61	"	<b>2-1/2"</b>	<b>175 psi</b>
Grinnell Figure 61	"	<b>3"</b>	<b>175 psi</b>
Grinnell Figure 61	"	<b>4"</b>	<b>175 psi</b>
Grinnell Figure 61	"	<b>5"</b>	<b>175 psi</b>
Grinnell Figure 61	"	<b>6"</b>	<b>175 psi</b>
Grinnell Figure 601	<b>45° elbow</b>	<b>2"</b>	<b>175 psi</b>
Grinnell Figure 601	"	<b>2 1/2"</b>	<b>175 psi</b>
Grinnell Figure 601	"	<b>3"</b>	<b>175 psi</b>
Grinnell Figure 601	"	<b>4"</b>	<b>175 psi</b>
Grinnell Figure 601	"	<b>5"</b>	<b>175 psi</b>
Grinnell Figure 601	"	<b>6"</b>	<b>175 psi</b>
Grinnell Figure 601	"	<b>8"</b>	<b>175 psi</b>
Grinnell Figure 610	<b>90° elbow</b>	<b>2"</b>	<b>175 psi</b>
Grinnell Figure 610	"	<b>2-1/2"</b>	<b>175 psi</b>
Grinnell Figure 610	"	<b>3"</b>	<b>175 psi</b>
Grinnell Figure 610	"	<b>4"</b>	<b>175 psi</b>
Grinnell Figure 610	"	<b>5"</b>	<b>175 psi</b>
Grinnell Figure 610	"	<b>6"</b>	<b>175 psi</b>
Grinnell Figure 610	"	<b>8"</b>	<b>175 psi</b>
Grinnell Figure 619	<b>Tee</b>	<b>2"</b>	<b>175 psi</b>
Grinnell Figure 619	"	<b>2-1/2"</b>	<b>175 psi</b>
Grinnell Figure 619	"	<b>3"</b>	<b>175 psi</b>
Grinnell Figure 619	"	<b>4"</b>	<b>175 psi</b>
Grinnell Figure 619	"	<b>5"</b>	<b>175 psi</b>
Grinnell Figure 619	"	<b>6"</b>	<b>175 psi</b>
Grinnell Figure 619	"	<b>8"</b>	<b>175 psi</b>
Grinnell Figure 660	<b>End Cap</b>	<b>2"</b>	<b>175 psi</b>
Grinnell Figure 660	"	<b>2-1/2"</b>	<b>175 psi</b>
Grinnell Figure 660	"	<b>3"</b>	<b>175 psi</b>
Grinnell Figure 660	"	<b>4"</b>	<b>175 psi</b>
Grinnell Figure 660	"	<b>5"</b>	<b>175 psi</b>
Grinnell Figure 660	"	<b>6"</b>	<b>175 psi</b>
Grinnell Figure 660	"	<b>8"</b>	<b>175 psi</b>
Grinnell Figure 621	<b>Reducing Tee</b>	<b>2.5x2.5x2"</b>	<b>175 psi</b>
Grinnell Figure 621	"	<b>3x3x2"</b>	<b>175 psi</b>
Grinnell Figure 621	"	<b>3x3x2.5"</b>	<b>175 psi</b>

<b>Grinnell Figure 621</b>	<b>Reducing Tee</b>	<b>4x4x2"</b>	<b>175 psi</b>
<b>Grinnell Figure 621</b>	<b>"</b>	<b>4x4x2.5"</b>	<b>175 psi</b>
<b>Grinnell Figure 621</b>	<b>"</b>	<b>4x4x3"</b>	<b>175 psi</b>
<b>Grinnell Figure 621</b>	<b>"</b>	<b>5x5x3"</b>	<b>175 psi</b>
<b>Grinnell Figure 621</b>	<b>"</b>	<b>5x5x4"</b>	<b>175 psi</b>
<b>Grinnell Figure 621</b>	<b>"</b>	<b>6x6x2.5"</b>	<b>175 psi</b>
<b>Grinnell Figure 621</b>	<b>"</b>	<b>6x6x3"</b>	<b>175 psi</b>
<b>Grinnell Figure 621</b>	<b>"</b>	<b>6x6x4"</b>	<b>175 psi</b>
<b>Grinnell Figure 621</b>	<b>"</b>	<b>26x6x5"</b>	<b>175 psi</b>

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections Letter dated December 5, 2006, F.P. Index #0611048.

**Terms and Conditions:** The above units are accepted on condition that:

1. Installation and use of these components shall comply with the requirements of Subchapter 17, entitled "Fire Alarm, Detection and Extinguishing Equipment" of Title 27, "Construction and Maintenance", Chapter 1 "Building Code" of the New York City Administrative Code.
2. Type K, L, M copper water-tube, which is presented in this application, shall be manufactured in accordance with ASTM B88.
3. The above-listed products shall be used only in wet pipe systems.
4. The working pressure in the extinguishing systems where these components are installed and used shall not exceed 175 psi.
5. Manufacturer's installation instructions, maintenance procedures and limitations shall be complied with.
6. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance January 16, 2007

Examined By Donald [Signature]