



# Fire Protection Products





ENGINEERING JUDGMENT FOR:
02/17/15
Michael Palmacci
General Insulation
378 Commercial Street
Malden, MA 02148
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<b>Project:</b> Bean 2 Maine Med	<b>Contractor:</b> Northeast Firestop Solutions
<b>Fire Stopping Category:</b> Joints / Head of Wall	<b>Hourly Rating Requested/ Type:</b> 1 and 2 Hour
<b>Joint Type:</b> Construction	<b>Maximum Joint Width:</b> Max 1 in.
<b>Floor Assembly:</b> Concrete Fluted Deck/Steel I Beam with SFRM	<b>Wall Assembly:</b> Gypsum Shaft Wall
<b>Type of Movement:</b> Dynamic	

<p><b>Special Conditions:</b> HW-D-0192 with the inclusion of a gypsum shaft wall assembly. Flutes are perpendicular or parallel</p> <p><b>Application Details:</b> To firestop this application, install in accordance with UL System HW-D-0192 with the following modifications/clarifications:</p> <ol style="list-style-type: none"> <li>1. Firestop is to be installed per HW-D-0552.</li> <li>2. When the wall runs perpendicular to the deck, mineral wool and FireDam Spray 200 is to be installed per configuration C.</li> </ol>
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<b>3M Fire Barrier Material:</b> FireDam Spray 200
<b>Based On:</b> HW-D-0192, HW-D-0552

This Engineering Judgment (EJ) is based upon the sole and exclusive use of 3M brand Fire Protection Products as described within. Modification of any of the parameters of this EJ, including, without limitation, the use of non-3M brand Fire Protection Products, shall render this EJ null and void. This fire-resistive joint design is expected to achieve the hourly rating indicated above. This engineering judgment is based on performance results obtained in testing with independent laboratories and / or internal 3M fire tests, which have been tested in accordance to ASTM E 1966 (UL 2079).

<p>Engineering Judgment Prepared By:</p>  <p>Carrie Meis Technical Service Technician</p>	<p>Reviewed By:</p>  <p>564973 cc: Ryan Fenstermaker</p>
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## 3M Building and Commercial Services Division

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