



Illinois Department of Transportation

Bureau of Materials and Physical Research
126 East Ash Street/Springfield, Illinois/62704-4766

June 20, 1986

The Rawlplug Chicago Co.
1116 Pagni Drive
Elk Grove Village, IL 60007

Attn: Mr. Jim Ford

Gentlemen:

The pull-out tests on the samples of 5/8" stud assemblies and "Chem-Stud" capsules supplied by your company have been completed with the following results:

<u>Sample</u>	<u>Fail Load</u>	<u>Fail Method</u>
1	15,200 lbs.	Bolt
2	14,400 lbs.	Bolt

Since both assemblies tested well above the 13,500 lb. minimum tensile strength requirement for ASTM A 307 fasteners, the "Chem-Stud" fastener system is approved.

When supplying these systems for State contract work, please include a mill test report showing that the bolt assembly is produced from steel of United States of America origin.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'J. G. Gehler'.

J. G. Gehler, P.E.
Engineer of Materials
and Physical Research

HBN/drb