



**Department of Civil, Structural, and Environmental Engineering**

**SEESL Structural Engineering and Earthquake Simulation Laboratory SEESL**

212 Ketter Hall, North Campus, Buffalo, NY 14260-4300

Fax: (716) 645-3733 Tel: (716) 645 5400 X 16

<http://www.nees.buffalo.edu>

**Calibration Certificate**

Certificate Number: **UB-2004-03-19-01**

Instrument Description: **LC20-8** Three-Channel Load Cell Location: **SEESL**

**Test Equipment**

**Instrument Identification:**

<u>Type of Instrument:</u>	<u>Instrument Name:</u>	<u>Serial Number:</u>	<u>Instrument Range:</u>
<b>Load Cell</b>	<b>LC20-8</b>	<b>8</b>	<b>20 KIP</b>

**Conditioner Identification:**

<u>Model Number</u>	<u>Serial Number:</u>	<u>Gain:</u>	<u>Excitation:</u>
<b>2310</b>	<b>#088987</b>	<b>3000</b>	<b>10 v</b>

**Readout Device Identification:**

<u>Model Number</u>	<u>Serial Number:</u>	<u>Channel:</u>
<b>Labview Software</b>	<b>6036E</b>	<b>1</b>

**Reference Equipment**

**Reference Instrument Identification:**

<b>Ref Force Transducer</b>	<b>MTS Load cell</b>	<b>#552-03A-01</b>	<b>100 kip (Comp&amp; Ten)</b>
<u>Calibration Trace:</u>	<u>Certificate Number:</u>	<u>Cal. Date:</u>	<u>Cal. Exp. Date:</u>
<b>NIST Traceable</b>	<b><a href="#">A2LA 1145.01</a></b>	<b>04/0/28/04</b>	<b>4/28/2005</b>
<b>MTS Load Cell</b>			
<b>552-03A-01</b>			

**Reference Lab Information:**

- |                              |   |                       |
|------------------------------|---|-----------------------|
| <u>Address:</u>              | <u>Phone/Website:</u>   | <u>Accreditation:</u> |
| <b>Ketter Hall SEESL</b>     | <b>645-2114</b>   |                       |
| <b>University at Buffalo</b> | <b><a href="http://www.nees.buffalo.edu">www.nees.buffalo.edu</a></b> |                       |
| <b>Buffalo, NY 14225</b>     |   |                       |
- |                              |   |                       |
|------------------------------|---|-----------------------|
| <u>Address:</u>              | <u>Phone/Website:</u>   | <u>Accreditation:</u> |
| <b>Ketter Hall SEESL</b>     | <b>645-2114</b>   |                       |
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- |                      |  |                       |
|----------------------|--|-----------------------|
| 3. <u>Address:</u>   | <u>Phone/Website:</u>                        | <u>Accreditation:</u> |
| MTS Systems Corp.    | 716-827-3770                                 | ISO/IEC 17025         |
| 14000 Technology Dr. | <a href="http://www.MTS.com">www.MTS.com</a> |                       |
| Eden Prairie Mn.     |  |                       |
| 55344-2290           |  |                       |

#### Calibration Information

##### Calibration Procedure:

###### Basic Description:

The calibration was performed on an MTS load frame located in 112 Ketter Hall.  
Model 309.40, S/N 135 500kN 110 Kip

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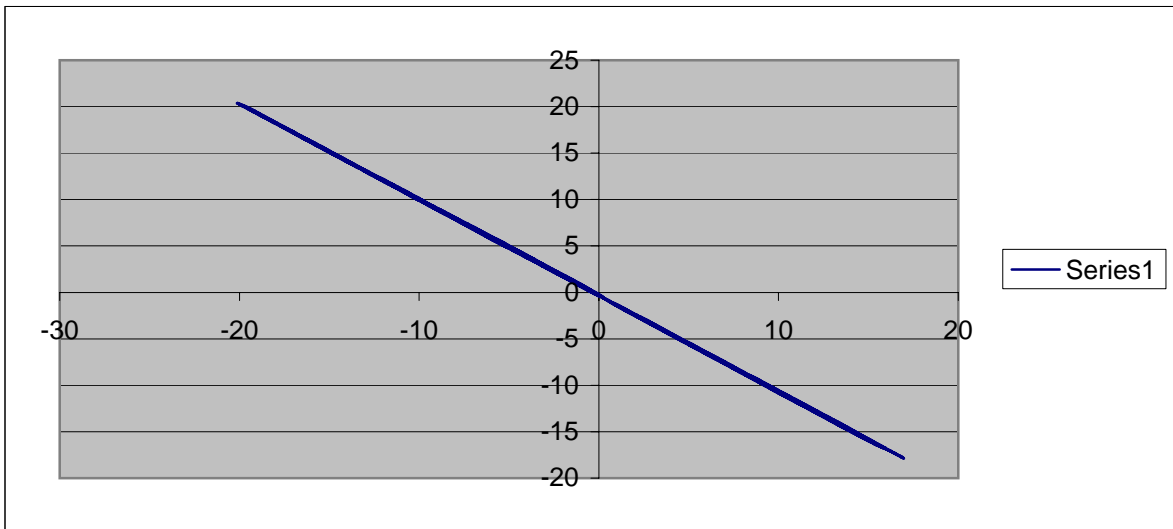
Standard:

**Calibration Data:**

Certificate Number: UB-2004-03-19-01

[Shear calibration data](#)

Graph:



**Personnel Identification:**

Name:

**Chris Budden**

Company:

**UB**

Signature:

Date:

11/15/04

**Calibration Period:**

Cal. Date:

**02/04/05**

Cal. Exp. Date:

04/04/06

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