

PERFECT EVENT RENTALS

"BEST ON THE BEACH"

Perfect Event Rental staff will always monitor the weather during the set up and take down of the Event. Event Producers (client) will make the call to evacuate if extreme weather is eminent.

If there are forecasted wind gusts of 60mph or more, then Perfect Event Rents and/or client will clear the area. If any lightning is expected within a 20-mile radius, Perfect Event Rentals and/or client will clear the area.

Any prior forecasting of tornado warnings or activity in the path of the event site, the call to continue or tear down the event will be made by the Production Company and Event Coordinator. Perfect Event Rentals will provide a man on-site during the event in case of an emergency.

Perfect Event Rentals Emergency Contact Phone Numbers:










- Scott Cust, Owner/President 757-348-7064
- Jeff Phelps, Operations Manager/Vice President 757-675-6893
- Craig Leap, On-Site Production Manager 757-635-9411
- Marie Simmons, HR, Office, Sales Manager 757-401-0070





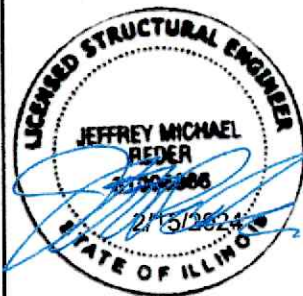




If there are forecasted wind gusts of over 60mph, then the stage will have four points of tie down on the left and right of the stage and on the front and back of the stage. The straps will be 1" 2000lbs break load and the stakes will be 24" rebar stakes. Under each foot of stage decks will be a 1'x1'x $\frac{3}{4}$ " plywood block. Please see attached diagram.






After reviewing the data provided by Staging Dimensions and Twin City Testing Corporation for gravity loads and prepare preliminary calculations for wind loads, it is apparent that the Staging Dimensions Systems, properly installed, will safely satisfy the Live Load and Dead Load requirements. These appear to be exceptionally good quality systems, and the loading and testing methodologies appear thorough and robust.



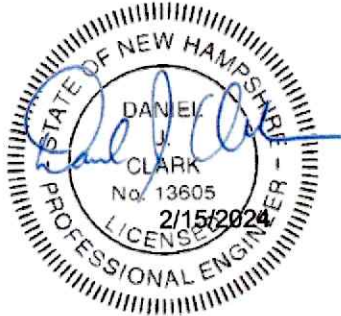






Regarding the preliminary wind loads analysis, having applied IBC 2021 methods and an ultimate wind load of 130mph, with the stages at a height of 4'-0" above grade and stage unit weight of 200lb per square foot, perimeter modules will require and added weight of, or a push pin with a tension capacity of 80lb at each leg. This to be worst case scenario. At lower wind speeds and lower heights, this requirement will be lessened. At wind speeds less than 70mph, no hold-down weight or tension pins would be required.

Scott Cust, Owner/President
perfectpartyrent@aol.com






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| <p style="text-align: center;">Alabama</p>  <p style="text-align: center;">Daniel J. Clark, P.E. P.E. #: 31076</p> | <p style="text-align: center;">Alaska</p>  <p style="text-align: center;">Daniel J. Clark, S.E. P.E. # SE14360</p> | <p style="text-align: center;">Arizona</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 50654</p> |
| <p style="text-align: center;">Arkansas</p>  <p style="text-align: center;">Daniel J. Clark, P.E. P.E. # 14355</p> | <p style="text-align: center;">California</p>  <p style="text-align: center;">Daniel J. Clark, S.E. P.E. # S5317</p> | <p style="text-align: center;">Colorado</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # PE0051394</p> |
| <p style="text-align: center;">Connecticut</p>  <p style="text-align: center;">Daniel J. Clark, P.E. P.E. # 27576</p> | <p style="text-align: center;">Delaware</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 17438</p> | <p style="text-align: center;">District of Columbia</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # S920119</p> |

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| <p style="text-align: center;">Iowa</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 19998</p> | <p style="text-align: center;">Kansas</p>  <p style="text-align: center;">Daniel J. Clark, P.E. P.E. # 21809</p> | <p style="text-align: center;">Kentucky</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 23597</p> |

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| <p style="text-align: center;">Massachusetts</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 48535</p> | <p style="text-align: center;">Michigan</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 6201056952</p> | <p style="text-align: center;">Minnesota</p>  <p>I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.</p> <p>Signature:  Typed or Printed Name: JEFFREY M. REDER Date: 2/15/2024 License #: 56104</p> <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 56104</p> |
| <p style="text-align: center;">Mississippi</p>  <p style="text-align: center;">Daniel J. Clark, P.E. P.E. # 20589</p> | <p style="text-align: center;">Missouri</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # PE-2010003345</p> | <p style="text-align: center;">Montana</p>  <p style="text-align: center;">Daniel J. Clark, P.E. P.E. # 28452</p> |

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| <p style="text-align: center;">New Jersey</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 24GE05300600</p> | <p style="text-align: center;">New Mexico</p>  <p style="text-align: center;">Daniel J. Clark, P.E. P.E. # 20482</p> | <p style="text-align: center;">New York</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 097763-1</p> <p style="font-size: small;">It is a violation of law for any person, unless acting under the direction of a licensed professional engineer, to alter this document in any way. If any part of this document is altered, the altering engineer shall affix to this document their seal and the notation "altered by" followed by their signature, the date, and description.</p> |
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| <p style="text-align: center;">Rhode Island</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 9610</p> | <p style="text-align: center;">South Carolina</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 35797</p> | <p style="text-align: center;">South Carolina</p>  <p style="text-align: center;">Clark Reder Engineering # 4827</p> |
| <p style="text-align: center;">South Dakota</p>  <p style="text-align: center;">Daniel J. Clark, P.E. P.E. # 10989</p> | <p style="text-align: center;">Tennessee</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 00113846</p> | <p style="text-align: center;">Texas</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 124100</p> <p style="text-align: right; color: red;">Clark Reder Engineering F-12154</p> |

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| <p style="text-align: center;">Wyoming</p>  <p style="text-align: center;">Jeffrey M. Reder, P.E. P.E. # 13434</p> | | |

Construction
Features:

- Bolt Construction Of 3-3/4" 6005-T5 Extruded Aluminum Frame & Corners Allows Easy Repair Of Damaged Piece Versus Replacement Of Entire Stage Deck.
- Nylock Nuts Eliminate Vibration and Noise Interference.

Performance:

- Certified Uniformly Distributed Live Load Of 200 Pounds Per Square Foot.

Single Sided Decks:

- Surface Options Are Interchangeable.

Locking Mechanism:

- (3) Male & (3) Female Dual Locks™ Activated From Top To Bottom Of Decks Provide 2500 Pounds Of Tensile Locking Strength.

Velcro:

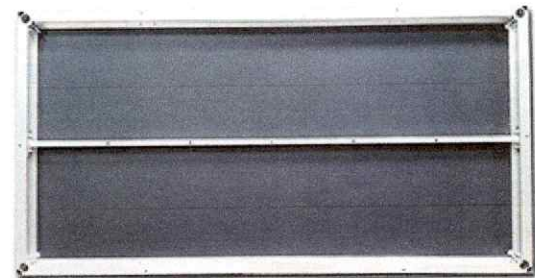
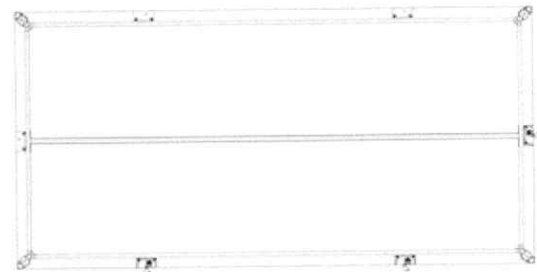
- 3/4" Block Male Velcro Installed On All Four Sides Of Deck.
- Velcro Is Inset In Specially Designed Channel On Extrusion To Protect From Damage.

Center Brace:

- 1" x 2" @ 8' Long Aluminum Rectangular Tube.

Leg Storage:

- Leg Clips For Fixed Or Adjustable Height Legs Are Mounted To The Underside Of Each Stage Deck Providing Convenient Storage Of Legs With Deck.



Underside Of Stage Deck

Standard Surface Options

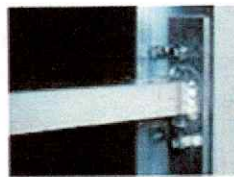
1. Black Haircell Polyvinyl
2. Pepper Grey Carpet - 26 oz.
3. Black Carpet - 31 oz.
4. Unfinished Plywood - 1" Thick 9-Ply Marine Grade
5. Grated Aluminum - 1" x 3/16" Mill Finish
6. "Millk Plexi" / Natural Polypropylene



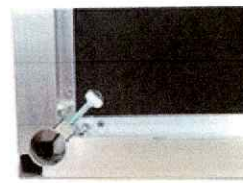
Female Dual Lock



Male Dual Lock



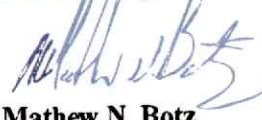
Center Brace



Leg Receiver



Corner Extrusion

662 Cromwell Avenue, St. Paul, MN 55114-1776
(651) 645-3601, Fax: (651) 659-7348**PROJECT NUMBER:** 3018 01 30879**PAGE:** 1 of 10**DATE:** August 28, 2001**TWIN CITY TESTING CORPORATION**
662 Cromwell Avenue
St. Paul, Minnesota 55114**STRUCTURAL PERFORMANCE
OF PORTABLE STAGE DECKS
MANUFACTURED BY STAGING DIMENSIONS**Prepared for:
STAGING DIMENSIONS
722 Bluecrab Road
Newport News, VA 23606**Client Purchase Order Number: Check #222****Test Conducted By:****Josh L. Jonssen**
Engineering Technician
Product Testing Department
Phone: (651) 659-7319**Reviewed By:****Mathew N. Botz**
Project Manager
Product Testing Department
Phone: (651) 659-7353

The test results contained in this report pertain only to the samples submitted for testing and not necessarily to all similar products.

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INTRODUCTION:

This report presents the results of Structural Performance Tests conducted on two (2) samples of Portable Stage Deck assemblies. The test samples were submitted by Staging Dimensions on August 6, 2001 with testing completed on August 23, 2001.

The scope of work was limited to conducting Uniform Load and Concentrated Load Tests on the samples submitted.

SUMMARY:

Uniform Load Test

The portable stage deck deflected 4.9" while applying a uniform load of 500-psf, resulting in a permanent set of 0.92". No visible cracks or deformation were apparent.

Concentrated Load Test

The portable stage deck reached 2260 lbf before audible cracking was heard. A load of 3784 lbf was reached before the decking panel cracked below the load plate.

See TEST DATA section for detailed results

SPECIMEN DESCRIPTION

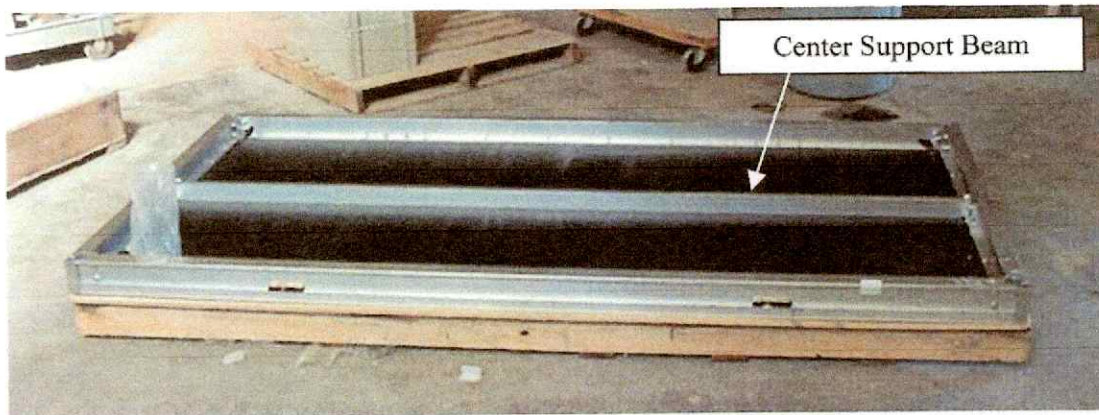
The specimens were described as Portable Stage Decks manufactured by Staging Dimensions measuring 4' x 8' and weighing 145-lbs without the 1-¼ Schedule 40 6061-T6 Aluminum legs. The following specifications were supplied by the client and were not verified by TCT.

Stage Deck Specifications (not verified):

| | |
|---------------------|--|
| Manufactured By: | Staging Dimensions 722 C Blue Crab Road Newport News, VA 23606 |
| Panel construction: | 31/32 7-Ply Douglas Fir Plywood 0.050 Haircell Polypropylene Deck Surface 0.020 Polypropylene Backer |
| Edge Extrusion: | 6105-T5 Structural Extruded Aluminum |
| Corner Extrusion: | 6105-T5 Structural Extruded Aluminum |
| Center Brace: | 1" x 2" x 125" – 6063-T52 Aluminum Extruded Tube |
| Bolts: | 3/8-16 x 2-1/2" Hex Head Grade 5 Zinc Plated 4 per corner |

SPECIMEN DESCRIPTION: Continued

- Bolts: 3/8-16 x 2-1/2" Hex Head Grade 5 Zinc Plated
2 per center brace
- Screws: #10 x 1" Serrated Head Indented Hex Alloy Zinc Plated
Pont Screws Spaced Every 8-inches
- Legs: Four, One per corner per deck. Leg material is 1-1/4"
schedule 40 6061-T6 Aluminum Straight Pipe
1.667 Outer diameter, 1.38" Inner diameter



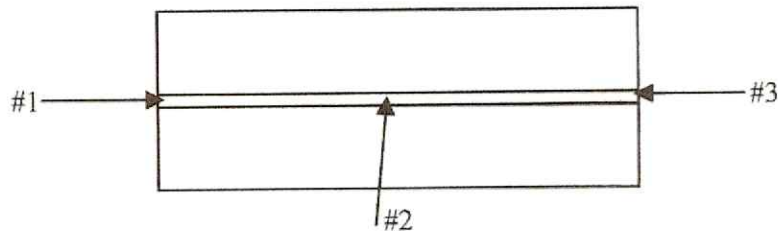
Lower Surface

TEST METHOD:

These tests were performed in accordance with a customized test procedure provided by Staging Dimensions.

Uniform Load Structural Test

Panels were supported in accordance with manufacturer's instructions. Three deflection measuring devices were positioned centrally at the center-span and at the supports (See diagram).



TEST METHODS: Continued

Uniform Loading was applied by means of an air bladder placed over the upper panel surface. The specimen was loaded in the following manner:

0-psf to 150-psf to 0-psf

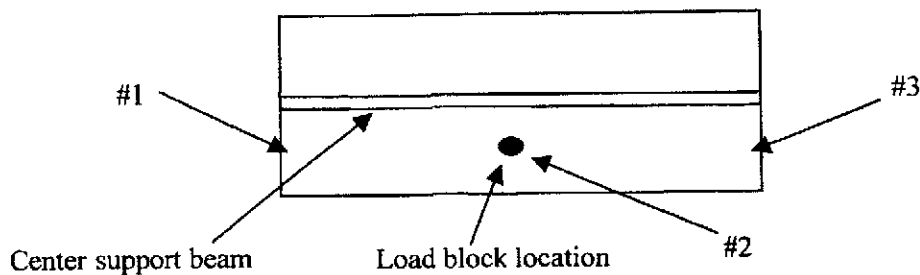
0-psf to 250-psf to 0-psf

0-psf to 500-psf

Deflection measurements were recorded before, during and after the loading to determine 'loaded' deflection and permanent deformation.

Concentrated Live Loading Structural Proof Test

The panels shall be supported in accordance with manufacturer's instructions. The concentrated load test was conducted on one portable stage deck. Loading was applied through a 2"x2" load plate positioned at mid-point of length and at quarter point of center. Three deflection measuring devices were positioned at the center-span and at the supports (See diagram). The panel was then loaded in 100 lb increments until failure was achieved.

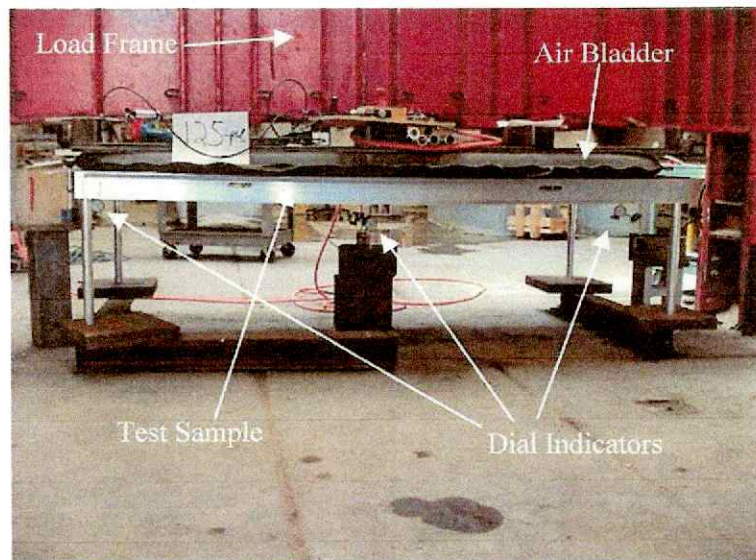
**REMARKS:**

The test samples will be returned to the client by client's shipping service. Staging Dimensions was present for the testing conducted on 8/23/01.

MMFILES\j\Staging30879

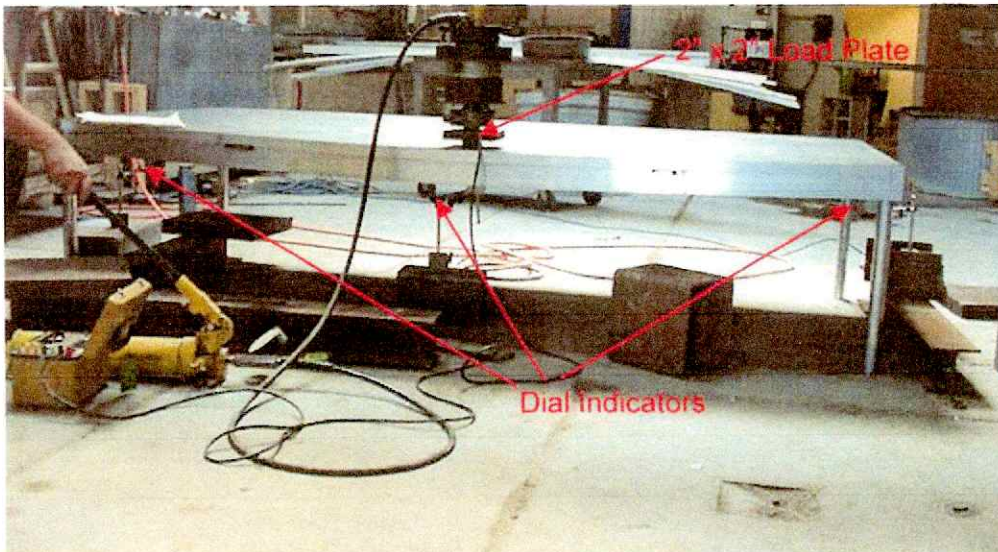
TEST DATA:**Load Tests****UNIFORM LOADING**

| Pressure (psf) | East Deflection (Dial #1) | Center Deflection (Dial #2) | West Deflection (Dial #3) |
|----------------|---------------------------|-----------------------------|---------------------------|
| 0 | 0.000 | 0.000 | 0.000 |
| 50 | 0.027 | 0.481 | 0.024 |
| 100 | 0.057 | 0.858 | 0.064 |
| 150 | 0.078 | 1.673 | 0.098 |
| 0 | 0.010 | 0.816 | 0.028 |
| 50 | 0.039 | 1.242 | 0.056 |
| 100 | 0.065 | 1.678 | 0.082 |
| 161 | 0.100 | 2.180 | 0.118 |
| 175 | 0.113 | 2.448 | 0.128 |
| 200 | 0.123 | 2.612 | 0.142 |
| 225 | 0.135 | 2.691 | 0.156 |
| 250 | 0.153 | 2.916 | 0.174 |
| 0 | 0.013 | 0.916 | 0.033 |
| 300 | 0.183 | 3.434 | 0.208 |
| 400 | 0.233 | 4.330 | 0.270 |
| 500 | 0.262 | 4.881 | 0.312 |
| 0 | 0.023 | 0.924 | 0.049 |



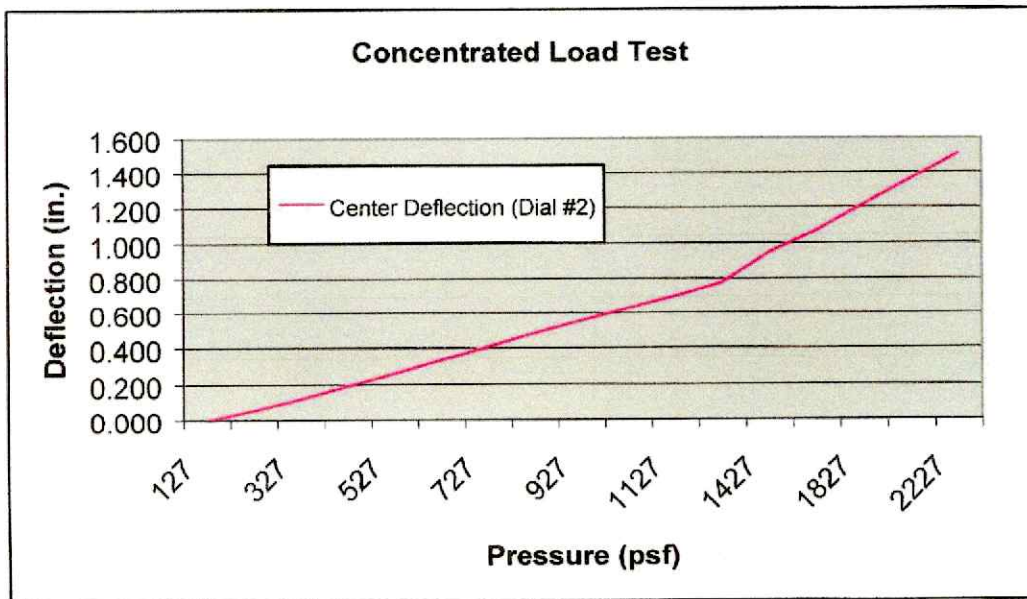
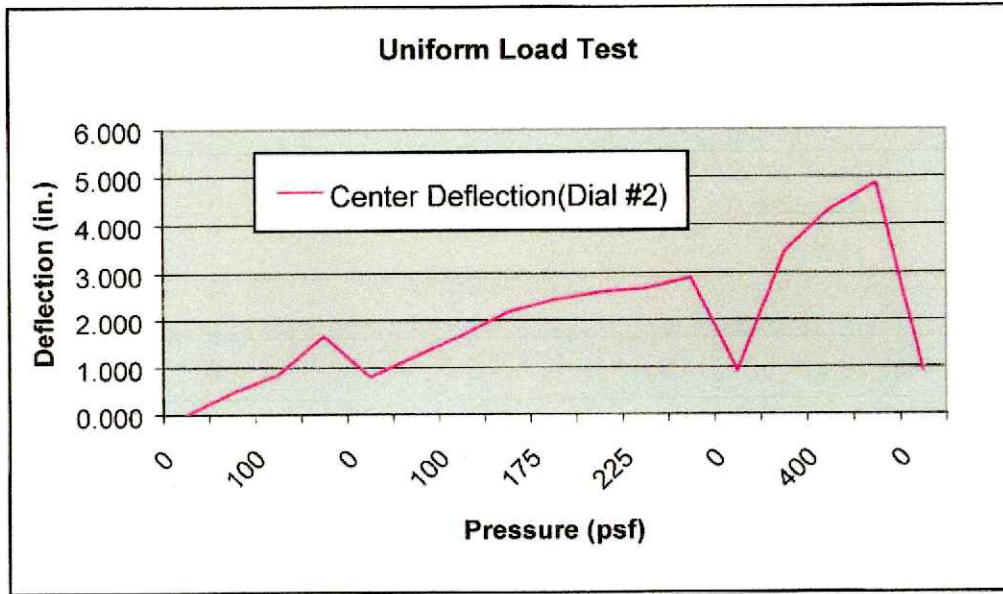
CONCENTRATED LOAD

| Pressure (psf) | East Deflection (Dial #1) | Center Deflection (Dial #2) | West Deflection (Dial #3) |
|----------------|---|-----------------------------|---------------------------|
| 127 | 0.000 | 0.000 | 0.000 |
| 227 | 0.001 | 0.059 | 0.003 |
| 327 | 0.001 | 0.123 | 0.004 |
| 427 | 0.002 | 0.194 | 0.004 |
| 527 | 0.003 | 0.264 | 0.005 |
| 627 | 0.003 | 0.338 | 0.005 |
| 727 | 0.004 | 0.408 | 0.005 |
| 827 | 0.005 | 0.482 | 0.006 |
| 927 | 0.005 | 0.556 | 0.007 |
| 1027 | 0.006 | 0.628 | 0.008 |
| 1127 | 0.006 | 0.700 | 0.010 |
| 1227 | 0.007 | 0.777 | 0.010 |
| 1427 | 0.008 | 0.949 | 0.012 |
| 1627 | 0.003 | 1.070 | 0.013 |
| 1827 | 0.002 | 1.217 | 0.016 |
| 2027 | 0.002 | 1.364 | 0.020 |
| 2227 | 0.002 | 1.511 | 0.022 |
| 2260 | Cracking Noise | | |
| 2320 | Cracking Noise | | |
| 2327 | 0.002 | 1.616 | 0.023 |
| 2427 | 0.002 | 1.699 | 0.024 |
| 2670 | Distinct Cracking Noise | | |
| 2800 | Rapid pressure drop to 2600 | | |
| 3784 | Visible cracks on lower surface and platform deformation on both surfaces (See Photographs) | | |



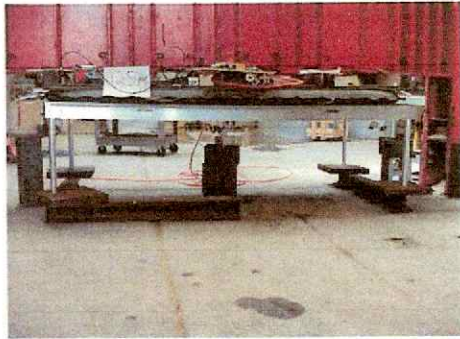
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Graphs



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Photographs



125-psf uniform load



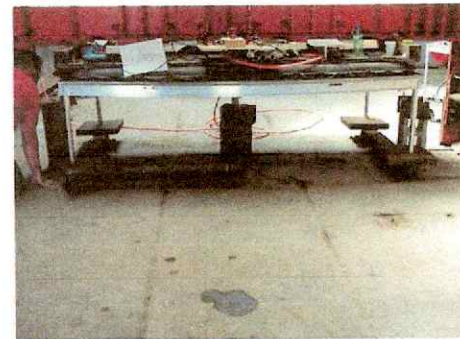
140-psf uniform load



175-psf uniform load



200-psf uniform load



225-psf uniform load



250-psf uniform load



300-psf uniform load



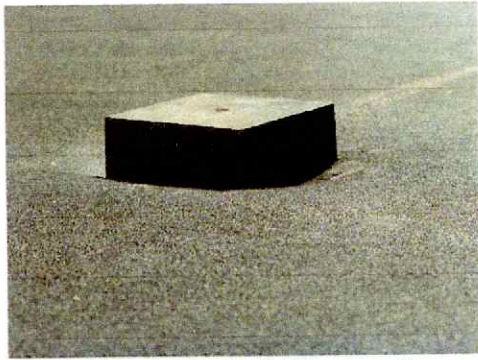
400-psf uniform load



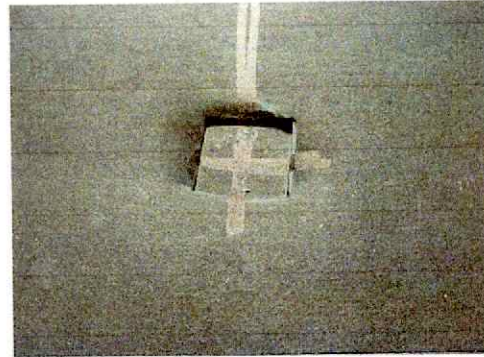
500-psf uniform load



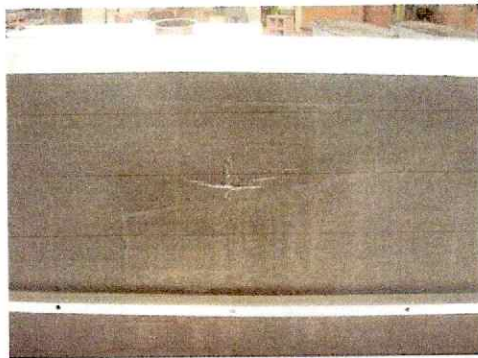
Concentrated load test



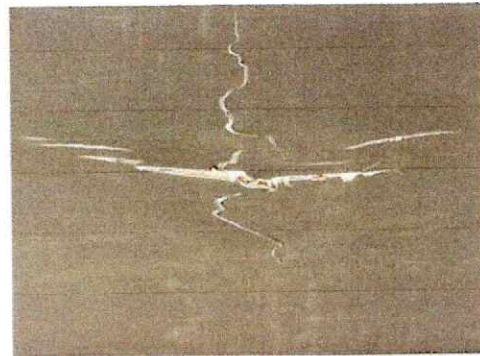
Load Block & Test surface
after concentrated loading



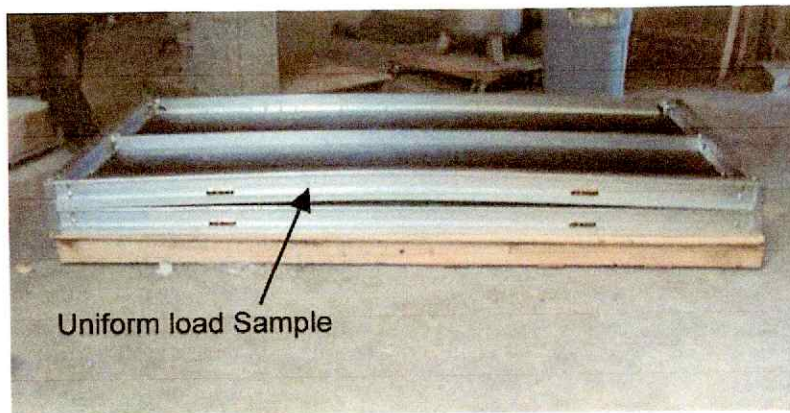
Imprint on test surface
caused by load plate



Deformation of lower surface
after concentrated loading



Deformation of lower surface
after concentrated loading



Test Samples after testing

