



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 8  
Style: Sense / Voyager 36x96 Rectangle Table

**SUBMITTED DATE:** July 11, 2014

**COMPLETED DATE:** August 29, 2014

**CUSTOMER INFORMATION:**

Attn.: Elliott Baum  
Company: Berco Inc. Bill to: Fairway Holdings  
Location: 1120 Montrose Ave. St. Louis, MO 63104

E-mail: ebaum@bercoinc.com  
Phone #: 314.772.4700 ext. 228

Rectangle Table

Start Condition: Good  
End Condition: Worn

Sample Type: Sense / Voyager  
Sample From: St. Louis, MO

**TEST METHOD:**

**• Section 4.3\_ Stability Under Vertical Load\_ Static**

12in ØD disk centered 7 in. from edge.  
Exert force of 125 lbs. in Most & least stable positions.  
Hold force for a duration of 1 min. in each position.  
Pass= Unit shall not tip over, No sudden & major change in structural integrity. No loss of serviceability.

**TEST RESULTS:**

Sample sustained no damage from testing  
Sample maintained its structural integrity  
Sample maintained its stability  
Sample exhibited no loss of serviceability  
Sample passed all test requirements

**Overall Result: PASS**



4.3: Rectangle Table in Least Stable Position



4.3: Rectangle Table in Most Stable Position



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 8  
Style: Sense / Voyager 36x96 Rectangle Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 5.3\_Distributed Functional Load Test\_Static**

Evenly distribute load, centered over a line 8 in. from edge along the entire perimeter.

Functional Load formula = 1.5 lbs. / in of perimeter

1 Brick = 3.5 lbs.

Total Bricks = 114

Total Load = 399 lbs.

Test Duration = 60 min.

Pass = No sudden & major change in structural integrity.  
No loss of serviceability.



5.3: Rectangle Table Front View

**TEST RESULTS:**

Sample sustained no damage from testing

Sample maintained its structural integrity

Sample exhibited no loss of serviceability

Sample passed all test requirements

**Overall Result: PASS**



5.3: Rectangle Table Back View



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 8  
Style: Sense / Voyager 36x96 Rectangle Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 5.5\_Distributed Proof Load Test\_Static**

Evenly distribute load, centered over a line 8 in. from edge along the entire perimeter.

Proof Load formula = 2.3 lbs. / in of perimeter

1 Brick = 3.5 lbs.

Total Bricks = 150

Added Weight bags = 82 lbs.

Total Load = 607 lbs.

Test Duration = 15 min.

Pass = No sudden & major change in structural integrity.  
No loss of serviceability.



5.5: Rectangle Table Side View

**TEST RESULTS:**

Sample sustained no damage from testing  
Sample maintained its structural integrity  
Sample exhibited no loss of serviceability  
Sample passed all test requirements

<b>Overall Result:</b>	<b>PASS</b>
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5.5: Rectangle Table Front View

**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 8  
Style: Sense / Voyager 36x96 Rectangle Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 6\_Top Load Ease Cycle Test\_Vertical**

16in ØD disk centered @ least stable position.

Applied Force = 200 lbs.

Total Cycles = 10,000

Ave. Cycle Rate = 14.6 cycles per min.

Pass = No sudden & major change in structural integrity.

No loss of serviceability.



6: Rectangle Table Test Set Up

**TEST RESULTS:**

Sample sustained no damage from testing

Sample maintained its structural integrity

Sample exhibited no loss of serviceability

Sample passed all test requirements

**Overall Result: PASS**



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 8  
 Style: Sense / Voyager 36x96 Rectangle Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 8 \_ Leg Strength Test\_Horizontal Static**

Functional Load = 100 lbs. / 1 min.

Proof Load = 150 lbs. / 1 min.

Exert Loads on the front & side of table legs

Pass = No sudden & major change in structural integrity.

No loss of serviceability.

**TEST RESULTS:**

	Front Rt.	Front Lt.	Side 1	Side 2
Function:	PASS	PASS	PASS	PASS
Proof:	PASS	PASS	PASS	PASS

**Overall Result: PASS**



8: Rectangle Table Side 1 Function & Proof Load



8: Rectangle Table Front Left Function & Proof Load



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7  
Style: Sense / Voyager 48x48 Square Table

**SUBMITTED DATE:** July 11, 2014

**COMPLETED DATE:** August 29, 2014

**CUSTOMER INFORMATION:**

Attn.: Elliott Baum  
Company: Berco Inc. Bill to: Fairway Holdings  
Location: 1120 Montrose Ave. St. Louis, MO 63104

E-mail: ebaum@bercoinc.com  
Phone #: 314.772.4700 ext. 228

Sample Type: Sense / Voyager  
Sample From: St. Louis, MO

Square Table  
Start Condition: Good  
End Condition: Worn

**TEST METHOD:**

**• Section 4.3\_ Stability Under Vertical Load\_Static**

12in ØD disk centered 7 in. from edge.  
Exert force of 125 lbs. in Most & least stable positions.  
Hold force for a duration of 1 min. in each position.  
Pass = Unit shall not tip over, No sudden & major change in structural integrity. No loss of serviceability.

**TEST RESULTS:**

Sample sustained no damage from testing  
Sample maintained its structural integrity  
Sample maintained its stability  
Sample exhibited no loss of serviceability  
Sample passed all test requirements

**Overall Result: PASS**



4.3: Square in Least Stable Position



4.3: Square Table in Most Stable Position



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7  
Style: Sense / Voyager 48x48 Square Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 5.3\_Distributed Functional Load Test\_Static**

Evenly distribute load, centered over a line 8 in. from edge along the entire perimeter.

Functional Load formula = 1.5 lbs. / in of perimeter

1 Brick = 3.5 lbs.

Total Bricks = 83

Total Load = 290.5 lbs.

Test Duration = 60 min.

Pass = No sudden & major change in structural integrity.  
No loss of serviceability.



5.3: Square Table Side View

**TEST RESULTS:**

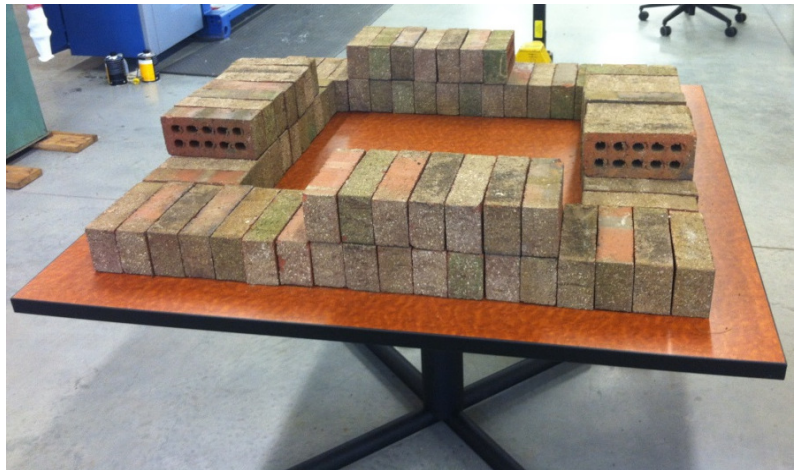
Sample sustained no damage from testing

Sample maintained its structural integrity

Sample exhibited no loss of serviceability

Sample passed all test requirements

**Overall Result: PASS**



5.3: Square Table Front View





**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7  
Style: Sense / Voyager 48x48 Square Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 5.5\_Distributed Proof Load Test\_Static**

Evenly distribute load, centered over a line 8 in. from edge along the entire perimeter.

Proof Load formula = 2.3 lbs. / in of perimeter

1 Brick = 3.5 lbs.

Total Bricks = 126

Total Load = 441 lbs.

Test Duration = 15 min.

Pass = No sudden & major change in structural integrity.  
No loss of serviceability.



5.5: Square Table Test Set Up

**TEST RESULTS:**

- Sample sustained no damage from testing
- Sample maintained its structural integrity
- Sample exhibited no loss of serviceability
- Sample passed all test requirements

**Overall Result: PASS**



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7  
Style: Sense / Voyager 48x48 Square Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 6\_Top Load Ease Cycle Test\_Vertical**

16in ØD disk centered @ least stable position.  
Applied Force = 200 lbs.  
Total Cycles = 10,000  
Ave. Cycle Rate = 12.4 cycles per min.  
Pass = No sudden & major change in structural integrity.  
No loss of serviceability.

**TEST RESULTS:**

Sample sustained no damage from testing  
Sample maintained its structural integrity  
Sample exhibited no loss of serviceability  
Sample passed all test requirements

**Overall Result: PASS**



6: Square Table Left Side View



6: Square Table Right Side View

**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7  
 Style: Sense / Voyager 48x48 Square Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 7 \_ Unit Drop Test \_ Vertical Impact**

Lift entire unit to designated height, then free fall drop.

Drop Height For Desk / Table Units	
Unit Weight:	Drop Height:
< 68 kg / 150 lbs.	180 mm / 7.1 in.
≥ 68 kg / 150 lbs.	120 mm / 4.7 in.

Pass = No sudden & major change in structural integrity.  
 No loss of serviceability.

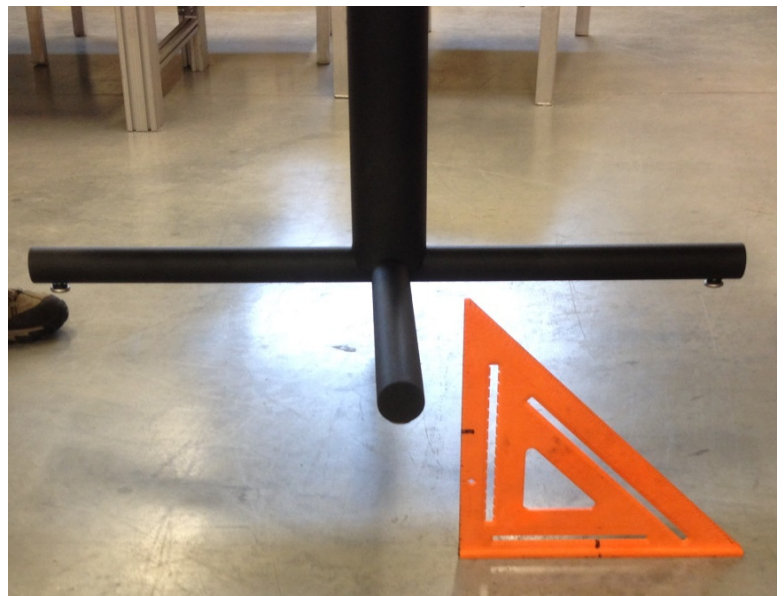
**TEST RESULTS:**

Sample sustained no damage from testing  
 Sample maintained its structural integrity  
 Sample exhibited no loss of serviceability  
 Sample passed all test requirements

**Overall Result: PASS**



7: Square Table before Drop



7: Square Table During Drop





**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7, 8  
Style: Sense / Voyager 60 in. Round Table

**SUBMITTED DATE:** July 11, 2014

**COMPLETED DATE:** August 29, 2014

**CUSTOMER INFORMATION:**

Attn.: Elliott Baum  
Company: Berco Inc. Bill to: Fairway Holdings  
Location: 1120 Montrose Ave. St. Louis, MO 63104

E-mail: ebaum@bercoinc.com  
Phone #: 314.772.4700 ext. 228

Round Table

Start Condition: Good  
End Condition: Worn

Sample Type: Sense / Voyager  
Sample From: St. Louis, MO

**TEST METHOD:**

**• Section 4.3\_ Stability Under Vertical Load\_Static**

12in ØD disk centered 7 in. from edge.  
Exert force of 125 lbs. in Most & least stable positions.  
Hold force for a duration of 1 min. in each position.  
Pass = Unit shall not tip over, No sudden & major change in structural integrity. No loss of serviceability.

**TEST RESULTS:**

Sample sustained no damage from testing  
Sample maintained its structural integrity  
Sample maintained its stability  
Sample exhibited no loss of serviceability  
Sample passed all test requirements

**Overall Result: PASS**



4.3: Round Table in Least Stable Position.



4.3: Round Table in Most Stable Position.



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7, 8  
Style: Sense / Voyager 60 in. Round Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 5.3 Distributed Functional Load Test Static**

Evenly distribute load, centered over a line 8 in. from edge along the entire perimeter.

Functional Load formula = 1.5 lbs. / in of perimeter

1 Brick = 3.5 lbs.

Total Bricks = 54

Total Load = 189 lbs.

Test Duration = 60 min.

Pass = No sudden & major change in structural integrity.  
No loss of serviceability.



5.3: Round Table Test Set Up

**TEST RESULTS:**

Sample sustained no damage from testing  
Sample maintained its structural integrity  
Sample exhibited no loss of serviceability  
Sample passed all test requirements

**Overall Result: PASS**

**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7, 8  
Style: Sense / Voyager 60 in. Round Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 5.5 Distributed Proof Load Test Static**

Evenly distribute load, centered over a line 8 in. from edge along the entire perimeter.

Proof Load formula = 2.3 lbs. / in of perimeter

1 Brick = 3.5 lbs.

Total Bricks = 124

Total Load = 434 lbs.

Test Duration = 15 min.

Pass = No sudden & major change in structural integrity.  
No loss of serviceability.



5.5: Round Table Test Set Up

**TEST RESULTS:**

Sample sustained no damage from testing  
Sample maintained its structural integrity  
Sample exhibited no loss of serviceability  
Sample passed all test requirements

**Overall Result: PASS**



**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7, 8  
Style: Sense / Voyager 60 in. Round Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 6\_Top Load Ease Cycle Test\_Vertical**

16in ØD disk centered @ least stable position.  
Applied Force = 200 lbs.  
Total Cycles = 10,000  
Ave. Cycle Rate = 18.4 cycles per min.  
Pass = No sudden & major change in structural integrity.  
No loss of serviceability.



6: Round Table Test Set Up

**TEST RESULTS:**

Sample sustained no damage from testing  
Sample maintained its structural integrity  
Sample exhibited no loss of serviceability  
Sample passed all test requirements

<b>Overall Result:</b>	<b>PASS</b>
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**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7, 8  
 Style: Sense / Voyager 60 in. Round Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 7 \_ Unit Drop Test\_ Vertical Impact**

Lift entire unit to designated height, then free fall drop.

Drop Height For Desk / Table Units	
Unit Weight:	Drop Height:
< 68 kg / 150 lbs.	180 mm / 7.1 in.
≥ 68 kg / 150 lbs.	120 mm / 4.7 in.

Pass = No sudden & major change in structural integrity.  
 No loss of serviceability.

**TEST RESULTS:**

Sample sustained no damage from testing  
 Sample maintained its structural integrity  
 Sample exhibited no loss of serviceability  
 Sample passed all test requirements

<b>Overall Result:</b>	<b>PASS</b>
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7: Round Table Before Drop



7: Round Table During Drop

**REFERENCE:**

Test #: 5.5-2008 Sections: 4.3, 5.3, 5.5, 6, 7, 8  
 Style: Sense / Voyager 60 in. Round Table

Customer: Berco Inc. Bill to: Fairway Holdings

**TEST METHOD:**

**• Section 8 \_ Leg Strength Test \_ Horizontal Static**

Functional Load = 100 lbs. / 1 min.

Proof Load = 150 lbs. / 1 min.

Exert Loads on Left, Middle, & Right sides of adjacent legs.

Pass = No sudden & major change in structural integrity.

No loss of serviceability.

**TEST RESULTS:**

	Function:	Proof:
L1: Left	PASS	PASS
L1: Middle	PASS	PASS
L1: Right	See Note 1	See Note 1
L2: Left	PASS	See Note 1
L2: Middle	PASS	PASS
L2: Right	See Note 1	See Note 1

Note 1: Indicated area's are specific points in which the leg column's connection to the base gradually loosened & started to slowly spin causing gradual instability.

Sample sustained no sudden or major change in structural integrity.

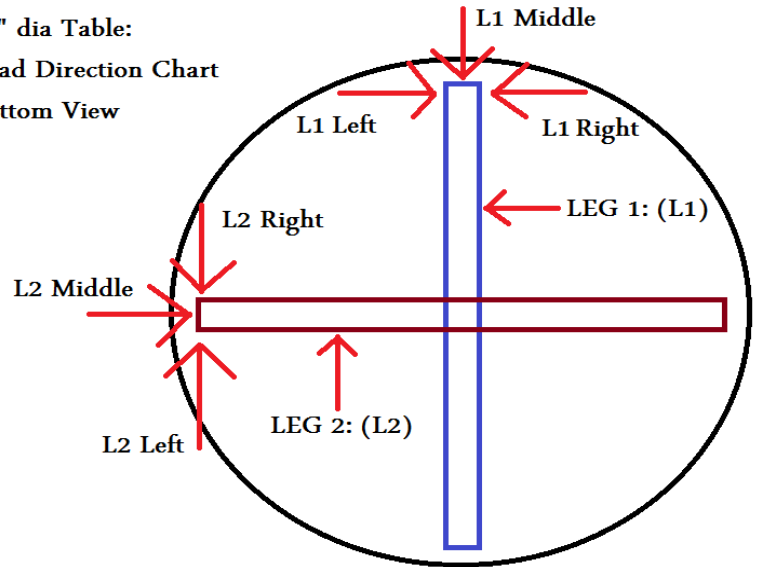
Sample exhibited no loss of serviceability.

**Overall Result: PASS**

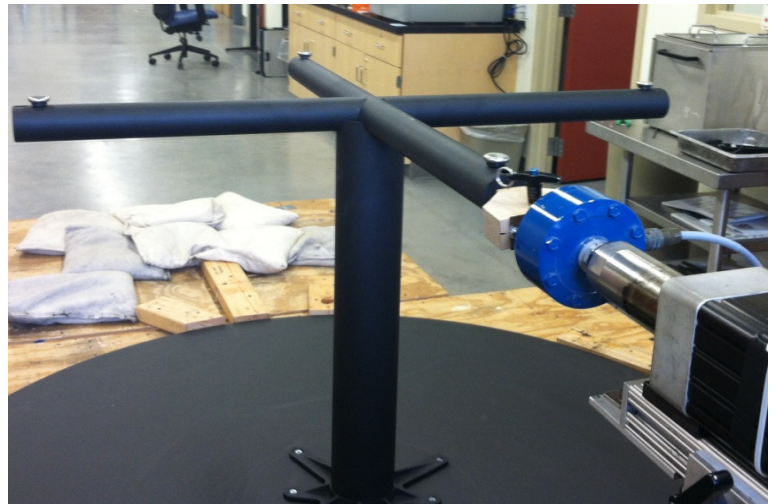
60" dia Table:

Load Direction Chart

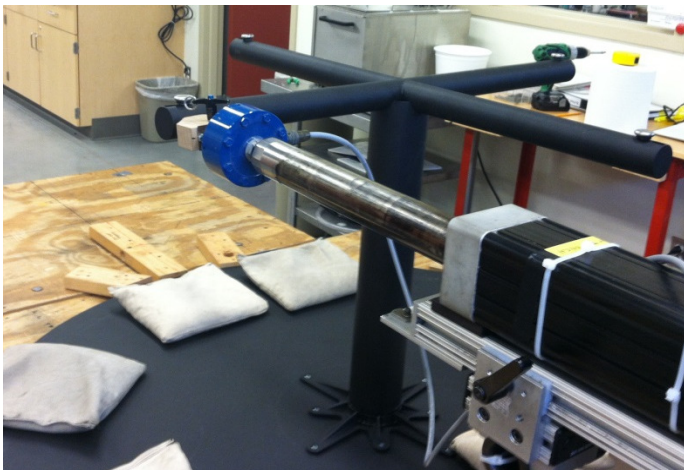
Bottom View



8: Load Direction Chart



8: L2, Middle Function & Proof Tests



8: L1, Left Function & Proof Tests