



CERNY & IVEY ENGINEERS, INC.

CONSULTING ENGINEERS – TESTING LABORATORY
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ISO/IEC 17025
IAS TL-298
FLORIDA BUILDING CODE TST3850

January 26, 2010

Worthington Millwork, LLC
17842 Ashley Drive
Panama City Beach, FL 32413

TEST REPORT NUMBER:
310018

DATE OF TESTING
January 21, 2009 thru January 22, 2009

MANUFACTURE PLANT
N/A

SCOPE OF TESTING

Architectural Column Load Test (AC 265)

PRODUCT IDENTIFICATION

31" x 31" Square Base
18" x 18" Square Plain (SP)
24" x 24" Square Plain (SP)
24" Dia. Plain Round (PR)
24" Dia. Fluted Round (FR)

PROCEDURE

Architectural Column Test

The columns were delivered by the client and installed in test fixture CI-CLF-01 located in the testing laboratory of Cerny and Ivey Engineers, Inc. The specimens were manufactured using a fiberglass composite with a paintable coating applied to the exterior. The round columns had architectural elements, most notable, a torus near the top of each column. In accordance with test procedure C1-CT-1000, the specimens were axially loaded in 1000 lb increments until failure occurred. Each increment was held for one minute. This test was done in accordance with AC 265.

One (1) 31" x 31" Square Base was tested concentrically
One (1) 18" x 18" Square Plain column was tested concentrically
One (1) 24" x 24" Square Plain column was tested concentrically
One (1) 24" Dia. Plain Round column was tested concentrically
One (1) 24" Dia. Fluted Round column was tested concentrically



RESULTS

Base

Test No.	Base ID/Type	Test Type	Length (ft-in)	Outside Dim. (in)	Inside Dim. (in)	Maximum Load (lbs)	Notes
1	31x31	Concentric	0'-8 1/4"	31" x 31"	15 1/2"x 15 1/2"	37,000 lbs.	Split at Inside Seam

Columns

Test No.	Column ID/Type	Test Type	Length (ft-in)	Base (in)	Top (in)	Maximum Load (lbs)	Notes
2	18x18 SP	Concentric	12'-0"	18" x 18"	18"x 18"	28,000 lbs.	Split at Corner
3	24x24 SP	Concentric	16'-2"	24" x 24"	24" x 24"	36,000 lbs.	Split at Corner
4	24 PR	Concentric	20'-0"	24" Dia.	20" Dia.	60,000 lbs.	Crushed and Split Near Torus
5	24 FR	Concentric	20'-0"	24" Dia.	20" Dia.	73,000 lbs.	Crushed and Split Near Torus

LABORATORY STATEMENT

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Client use of this report, all referenced test data, and the Cerny and Ivey name with regards to this specific testing is permissible for a period of five years from the date of issuance. Extensions beyond this period shall require evaluation by Cerny and Ivey Engineers, Inc.

If you have any questions please don't hesitate to contact us.

Respectfully submitted,

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Laboratory Manager

Christopher B. Shiver
Vice President – Principal Engineer