

CW OHIO

Load Testing of Columns

June 3, 2003

By: American Testing Laboratory, Inc.





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: **Concentric Column Load Axial Compression Test** ATL Client No.: **B-1620**

Location of Job site: **American Testing Laboratory, Inc.** Client No.: **025789**

Project: **6 x 8 Plain Poly-Classic Column** Report No.: **1**

Client: **C.W. Ohio** Date Inspected: **05/22/03**

Packing List Line # **1**
Column # **1**

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
6 x 8 Plain Poly-Classic Column	28,600	
Small Diameter	5.0" OD	See photographs for location of failure.
Minimum Wall Thickness	.300"	
Large Diameter	5 1/2" OD	Failed 4 Feet from top end.
Minimum Wall Thickness	.500"	
Total Length	8 Feet 1/4 Inch	

General Remarks: **Tested in accordance with ASTM-E72.**

Specifications: **Customer Specifications**
Technicians: **Jerry W. Dennis**

NDT Level **III**
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
 1230 8th Avenue North
 Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc. Client No.: 025789

Project: 8 x 10 Plain Poly-Classic Column Report No.: 2

Client: C.W. Ohio Date Inspected: 05/22/03

Packing List Line # 2
 Column #2

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
8 x 10 Plain Poly-Classic Column	30,310	
Small Diameter Minimum Wall Thickness	6 3/4" OD .250"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	7 3/4" OD .450"	Failed at small end.
Total Length	10 Feet 1 Inch	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
 Technicians: Jerry W. Dennis

NDT Level III
 NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
 1230 8th Avenue North
 Bessemer, Alabama 35020

General Inspection Report

Test Description: **Concentric Column Load Axial Compression Test**

ATL Client No.: **B-1620**

Location of Job site: **American Testing Laboratory, Inc.**

Client No.: **025789**

Project: **10 x 12 Plain Poly-Classic Column**

Report No.: **3**

Client: **C.W. Ohio**

Date Inspected: **05/22/03**

Packing List Line # **3**
 Column #**3**

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
10 x 12 Plain Poly-Classic Column	35,450	
Small Diameter Minimum Wall Thickness	9.0" OD .400"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	10.0" OD .400"	Failed at small end.
Total Length	12Feet 2 Inches	

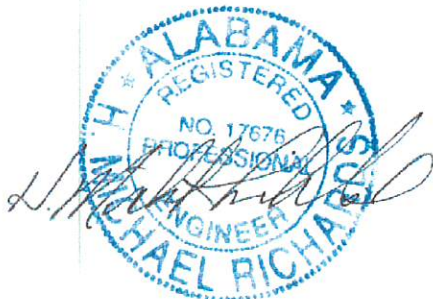
General Remarks: **Tested in accordance with ASTM-E72.**

Specifications: **Customer Specifications**
 Technicians: **Jerry W. Dennis**

NDT Level **III**
 NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test

ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.

Client No.: 025789

Project: 12 x 16 Plain Poly-Classic Column

Report No.: 4

Client: C.W. Ohio

Date Inspected: 05/22/03

Packing List Line # 4
Column # 4

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
12 x 16 Plain Poly-Classic Column	58,750	
Small Diameter	12.0" OD	See photographs for location of failure.
Minimum Wall Thickness	.450"	
Large Diameter	10.0" OD	Failed at small end.
Minimum Wall Thickness	.450"	
Total Length	16Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
 1230 8th Avenue North
 Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test

ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.

Client No.: 025789

Project: 16 x 20 Plain Poly-Classic Column

Report No.: 5

Client: C.W. Ohio

Date Inspected: 05/22/03

Packing List Line # 6
 Column #6

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
16 x 20 Plain Poly-Classic Column	64,300	
Small Diameter	12.0" OD	See photographs for location of failure.
Minimum Wall Thickness	.700"	
Large Diameter	16.0" OD	Failed 6 Feet 9 Inches from large end.
Minimum Wall Thickness	.500"	
Total Length	20 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
 Technicians: Jerry W. Dennis

NDT Level III
 NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test

ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.

Client No.: 025789

Project: 20 x 20 Plain Poly-Classic Column

Report No.: 6

Client: C.W. Ohio

Date Inspected: 05/22/03

Packing List Line # 8
Column # 8

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
20 x 20 Plain Poly-Classic Column	65,150	
Small Diameter Minimum Wall Thickness	16.0" OD .850"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	20.0" OD .850"	Failed at large end.
Total Length	20 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
 1230 8th Avenue North
 Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test

ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.

Client No.: 025789

Project: 8 x 10 Fluted Poly-Classic Column

Report No.: 7

Client: C.W. Ohio

Date Inspected: 05/22/03

Packing List Line # 10
 Column # 10

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
8 x 10 Fluted Poly-Classic Column	33,600	
Small Diameter Minimum Wall Thickness	7.0" OD 420"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	8.0" OD .340"	Failed at large end.
Total Length	10 Feet 1 Inch	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
 Technicians: Jerry W. Dennis

NDT Level III
 NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test

ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.

Client No.: 025789

Project: 10 x 12 Fluted Poly-Classic Column

Report No.: 8

Client: C.W. Ohio

Date Inspected: 05/22/03

Packing List Line # 11
Column # 11

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
10 x 12 Fluted Poly-Classic Column	38,420	
Small Diameter	8 1/2" OD	See photographs for location of failure.
Minimum Wall Thickness	.500"	
Large Diameter	9 1/2" OD	Failed at large end.
Minimum Wall Thickness	.500"	
Total Length	12 Feet 2 Inches	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications

Technicians: Jerry W. Dennis

NDT Level III

NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc. Client No.: 025789

Project: 8 x 10 Plain Square Column Report No.: 9

Client: C.W. Ohio Date Inspected: 05/22/03

Packing List Line # 13
Column # 13

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs @ Failure	
8 x 10 Plain Square Column	29,380	
Small End	8.0" Square	See photographs for location of failure.
Minimum Wall Thickness	.500"	
Large Diameter	8.0" Square	Failed at bottom end.
Minimum Wall Thickness	.500"	
Total Length	10 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test

ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.

Client No.: 025789

Project: 10 x 10 Plain Square Column

Report No.: 10

Client: C.W. Ohio

Date Inspected: 05/22/03

Packing List Line # 14
Column # 14

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
10 x 10 Plain Square Column	32,260	
Small End	10.0" Square	See photographs for location of failure.
Minimum Wall Thickness	.500"	
Large Diameter	10.0" Square	Failed at bottom end.
Minimum Wall Thickness	.500"	
Total Length	10 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test
ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.
Client No.: 025789

Project: 8 x 10 Plain Non-Tapered Column
Report No.: 11

Client: C.W. Ohio
Date Inspected: 05/23/03
Packing List Line # 16
Column # 16

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
8 x 10 Plain Non-Tapered Column	29,150	
Small Diameter	8.0" OD	See photographs for location of failure.
Minimum Wall Thickness	.430"	
Large Diameter	8.0" OD	Failed at bottom end.
Minimum Wall Thickness	.430"	
Total Length	10 Feet 1 Inch	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc. Client No.: 025789

Project: 14 x 16 Plain Poly-Classic Column Report No.: 13

Client: C.W. Ohio Date Inspected: 05/27/03

Packing List Line # 5
Column # 5

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
14 x 16 Plain Poly-Classic Column	61,950	
Small Diameter Minimum Wall Thickness	12.0" OD .400"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	14.0" OD .500"	Failed at small end.
Total Length	16 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
 1230 8th Avenue North
 Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test ATL Client No : B-1620

Location of Job site: American Testing Laboratory, Inc. Client No.: 025789

Project: 18 x 24 Plain Poly-Classic Column Report No: 14

Client: C.W. Ohio Date Inspected: 05/27/03

Packing List Line # 7
 Column # 7

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
18 x 24 Plain Poly-Classic Column	62,850	
Small Diameter	14.0" OD	See photographs for location of failure.
Minimum Wall Thickness	.750"	
Large Diameter	18.0" OD	Failed at small end.
Minimum Wall Thickness	.750"	
Total Length	24 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
 Technicians: Jerry W. Dennis

NDT Level III
 NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test

ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.

Client No.: 025789

Project: 24 x 20 Plain Poly-Classic Column

Report No.: 15

Client: C.W. Ohio

Date Inspected: 05/28/03

Packing List Line # 9
Column # 9

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs @ Failure	
24 x 20 Plain Poly-Classic Column	62,980	
Small Diameter Minimum Wall Thickness	20.0" OD .500"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	24.0" OD .500"	Failed at large end.
Total Length	20 Feet	

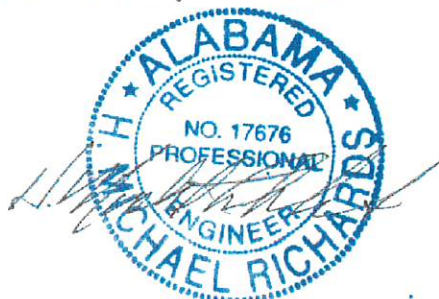
General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test ATL Client No : B-1620

Location of Job site: American Testing Laboratory, Inc. Client No.: 025789

Project: 12 x 16 Fluted Poly-Classic Column Report No.: 16

Client: C.W. Ohio Date Inspected: 05/28/03

Packing List Line # 12
Column # 12

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
12 x 16 Fluted Poly-Classic Column	56,150	
Small Diameter Minimum Wall Thickness	10.0" OD .750"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	12.0" OD .500"	Failed at large end.
Total Length	16 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: **Concentric Column Load Axial Compression Test** ATL Client No.: **B-1620**

Location of Job site: **American Testing Laboratory, Inc.** Client No.: **025789**

Project: **12 x 16 Plain Square Column** Report No.: **17**

Client: **C.W. Ohio** Date Inspected: **05/29/03**

Packing List Line # **15**
Column # **15**

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
12 x 16 Plain Square Column	59,900	
Small Diameter Minimum Wall Thickness	12" x 12" Square .600"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	12" x 12" Square .600"	Failed at large end.
Total Length	16 Feet	

General Remarks: **Tested in accordance with ASTM-E72.**

Specifications: **Customer Specifications**
Technicians: **Jerry W. Dennis**

NDT Level **III**
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc. Client No.: 025789

Project: 12 x 12 Plain Non-Tapered Column Report No.: 18

Client: C.W. Ohio Date Inspected: 05/29/03
Packing List Line # 18
Column # 18

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs @ Failure	
12 x 12 Plain Non-Tapered Column	61,350	
Small Diameter Minimum Wall Thickness	12.0" OD .400"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	12.0" OD .400"	Failed 5 Feet from top end.
Total Length	12 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: **Concentric Column Load Axial Compression Test**

ATL Client No.: **B-1620**

Location of Job site: **American Testing Laboratory, Inc.**

Client No.: **025789**

Project: **14 x 14 Plain Non-Tapered Column**

Report No.: **19**

Client: **C.W. Ohio**

Date Inspected: **05/30/03**

Packing List Line # **19**
Column # **19**

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
14 x 14 Plain Non-Tapered Column	60,200	
Small Diameter Minimum Wall Thickness	14.0" OD .600"	See photographs for location of failure.
Large Diameter Minimum Wall Thickness	14.0" OD .600"	Failed at top end.
Total Length	14 Feet	

General Remarks: **Tested in accordance with ASTM-E72.**

Specifications: **Customer Specifications**
Technicians: **Jerry W. Dennis**

NDT Level **III**
NDT Level:

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
1230 8th Avenue North
Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test

ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc.

Client No.: 025789

Project: 6 x 10 Plain Square Column

Report No.: 20

Client: C.W. Ohio

Date Inspected: 06/03/03

Packing List Line # 20
Column # 20

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
6 x 10 Plain Square Column	29,370	
Top End	6" x 6" Square	See photographs for location of failure.
Minimum Wall Thickness	.400"	
Bottom End	6" x 6" Square	Failed at top end.
Minimum Wall Thickness	.400"	
Total Length	10 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
Technicians: Jerry W. Dennis

NDT Level III
NDT Level.

Respectfully Submitted,

American Testing Laboratory





American Testing Laboratory, Inc.
 1230 8th Avenue North
 Bessemer, Alabama 35020

General Inspection Report

Test Description: Concentric Column Load Axial Compression Test ATL Client No.: B-1620

Location of Job site: American Testing Laboratory, Inc. Client No.: 025789

Project: 10 x 10 Plain Poly-Classic Column Report No.: 21

Client: C.W. Ohio Date Inspected: 06/03/03

Packing List Line # 21
 Column # 21

TEST RESULTS

PART IDENTIFICATION	TEST RESULTS	REMARKS
	Total Load in Lbs. @ Failure	
10 x 10 Plain Poly-Classic Column NT	38,750	
Small Diameter	10.0" OD	See photographs for location of failure.
Minimum Wall Thickness	.400"	
Large Diameter	10.0" OD	Failed 3 Feet 5 Inches from top end.
Minimum Wall Thickness	.400"	
Total Length	10 Feet	

General Remarks: Tested in accordance with ASTM-E72.

Specifications: Customer Specifications
 Technicians: Jerry W. Dennis

NDT Level III
 NDT Level:

Respectfully Submitted,

American Testing Laboratory

