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P.O. No.:

Material Testing and Non-Destructive Testing

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TEST REPORT

TEST PROFILE

Several scaffolding components were load tested using various procedures. These include:

One (1) single tier Arch type scaffolding

One (1) single tier Ladder type scaffolding

One (1) 3 ½" OD by 8' length Shore Post

Two (2) 24" length screw jacks

One (1) 3 ½" ID swivel couple

One (1) 3 ½" ID rigid couple

One (1) ledger

TEST METHODOLOGY

When ever possible test methods generally followed the procedures outlined either in ANSI ANSI/SSFI SC100-5/05 or ANSI/ASSE A10.8-2001 specifications.

If possible, specific requirements will be used to evaluate the test data and component performance against expectations. If not possible failure/maximum maximum loads or displacements or some combination of the test data will be listed in appropriate tables. Pictures of all test setups will be included in the report sections relative the part tested.

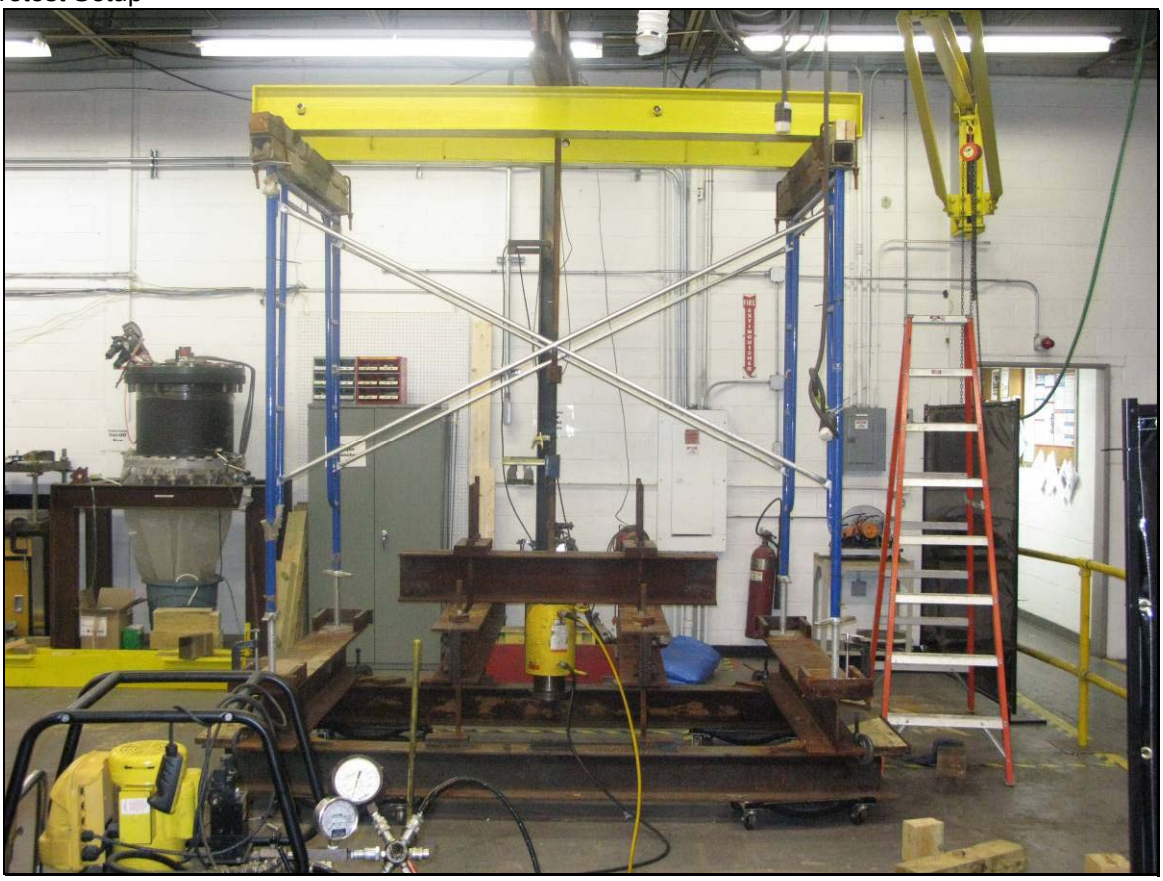
Karen Baumiller
Customer Services Manager

ASSEMBLED SCAFFOLDING TESTING

Testing followed the general procedures outlined in section 5.2 of ANSI ANSI/SSFI SC100-5/05 except the scaffold assemblies were only one tier high and only one of each type was tested.

- Arch Scaffolding Results

Pretest Setup



Scaffolding Type	Maximum Load (lbs)	Failure Location
Arch	39130	Arch Bend

- Ladder Scaffolding Results

Pretest Setup

Scaffolding Type	Maximum Load (lbs)	Failure Location
Ladder	52075	Arch Bend

WALKWAY TESTING

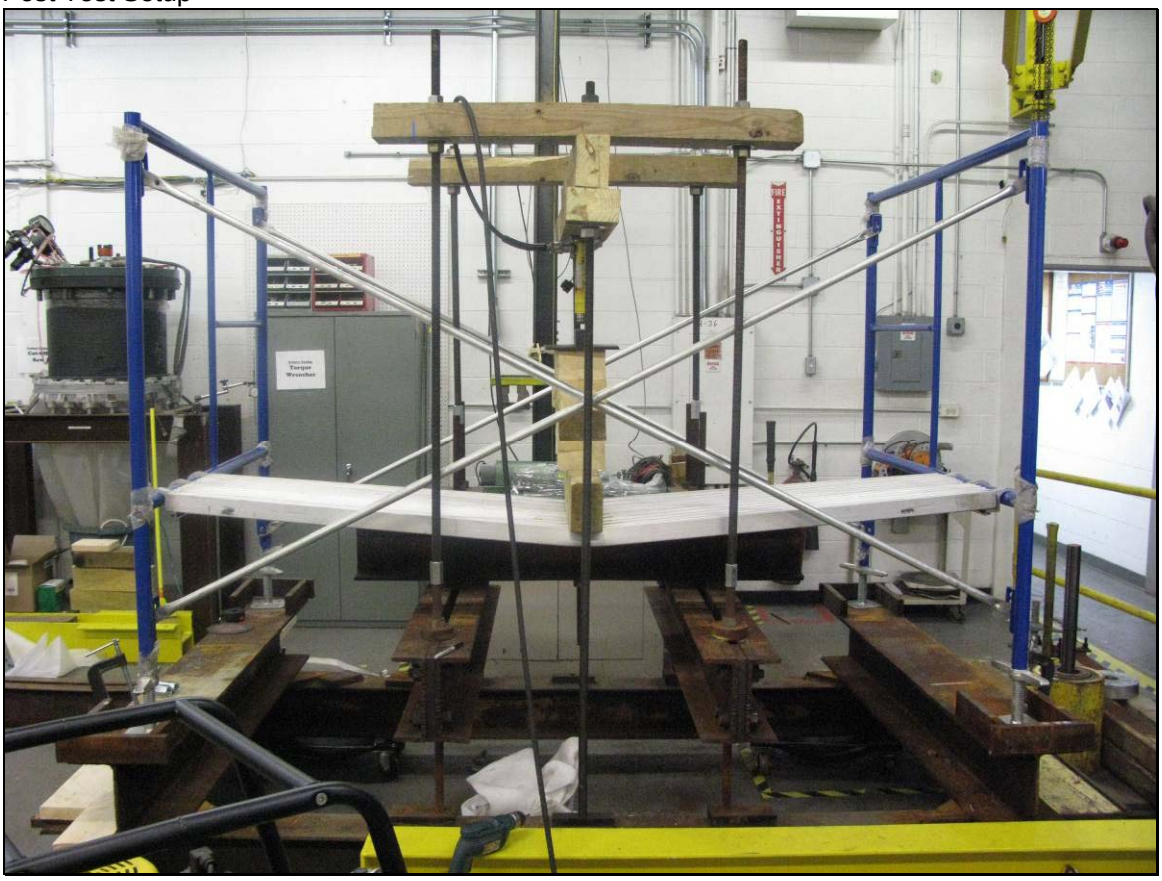
Testing followed the general procedures outlined in section 5.2.2 of ANSI/ASSE A10.8-2001.

Walkways had dimensions of 19 ¼" x 8' giving a surface area of 12.8 ft^2. All samples were stamped with a load rating of 75 lbs / ft^2. All samples were loaded until a displacement of L / 60 or 96" / 60 = 1.6" occured.

- Concentrated Load Test

  Sample is restrained on the ends with load applied to the center,

Post Test Setup

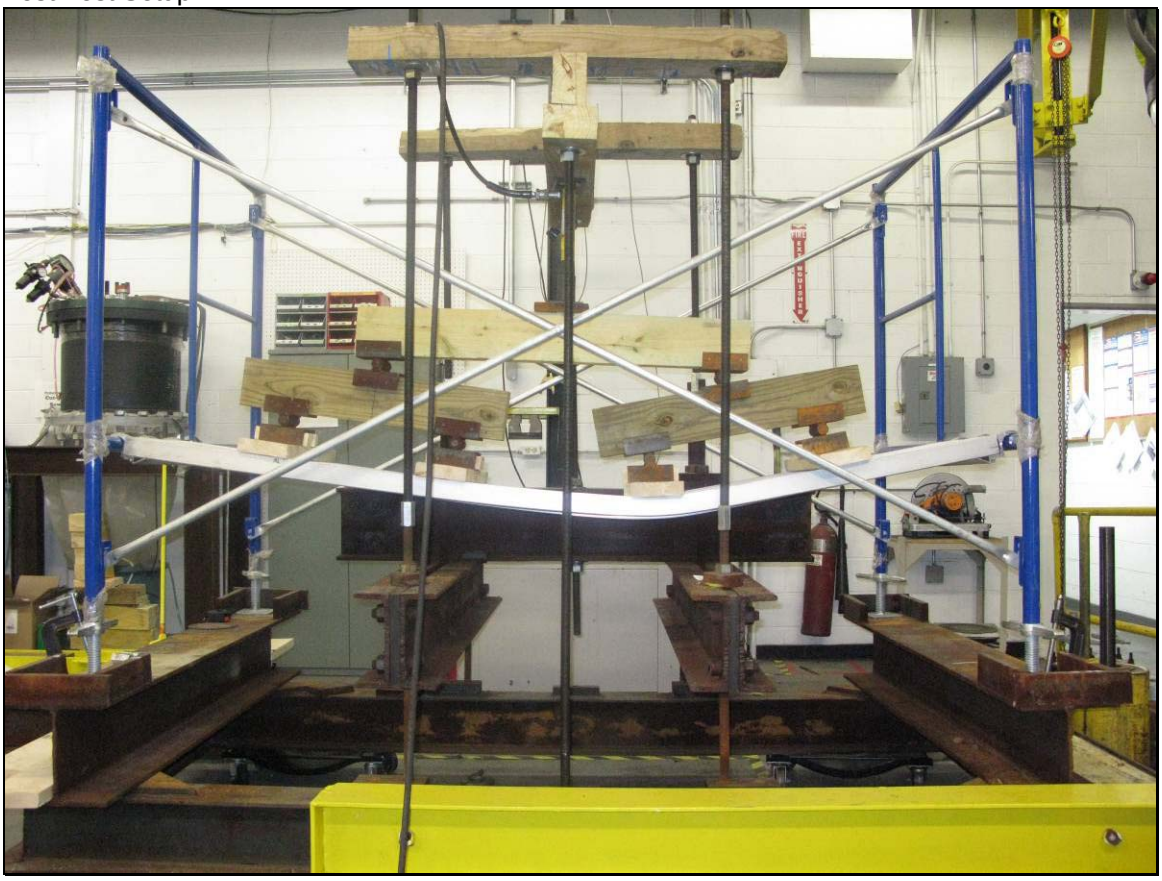


Test Type	Load @ 1.6" Movement (lbs)	Failure Location
Concentrated	2300	Center at L/60

- UDL Load Testing

  Sample is restrained on the ends with four load points evenly distributed across the walkway surface.

Post Test Setup



Test Type	Load @ 1.6” Movement (lbs)	Failure Location
Concentrated	1600	Near Center at L/60

JACK SCREW TESTING

Jack Screws were compressed at two different screw extensions until failure.

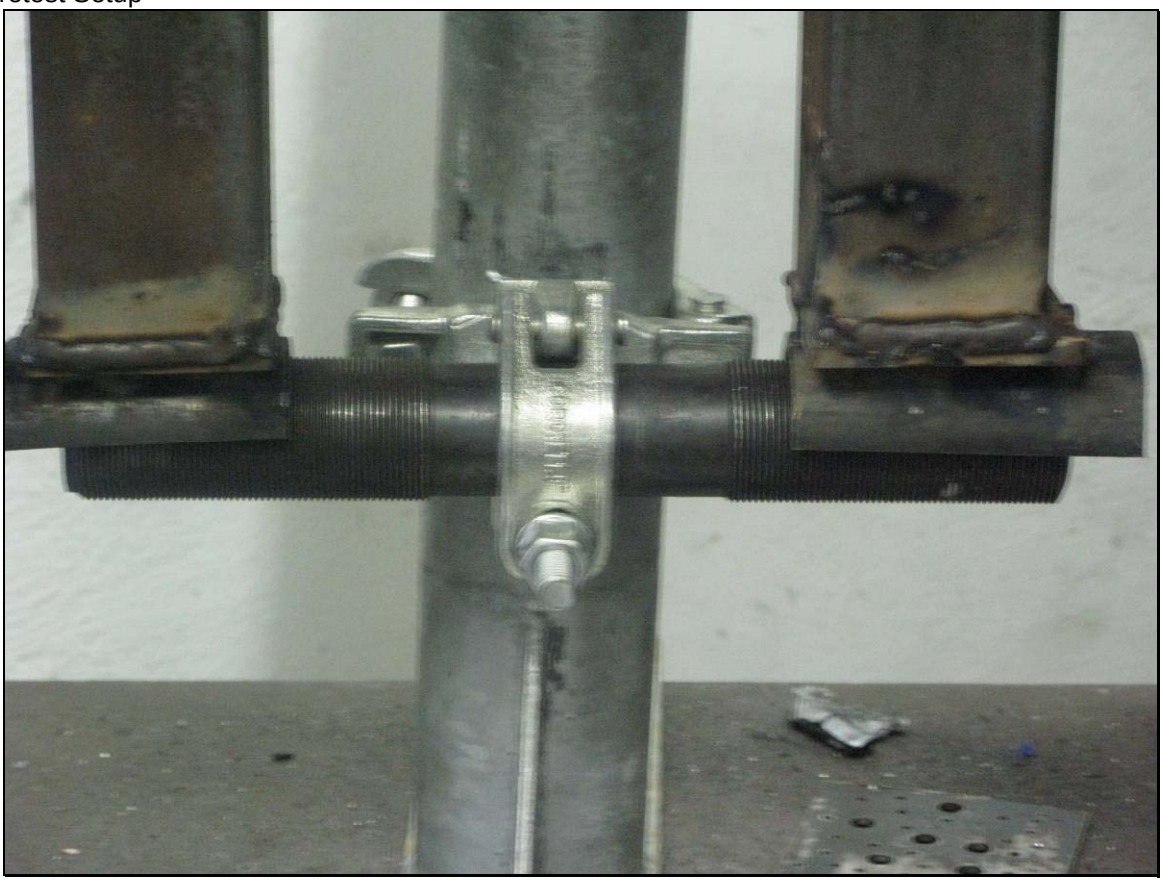
Pretest Setup

Screw Extension Length (in)	Load @ Failure (lbs)	Failure Type
12	57000	Buckle
18 ¾	53000	Buckle

COUPLE TESTING

Couple testing followed the procedures outlined in section 5.1.3.1 of ANSI ANSI/SSFI SC100-5/05.

Pretest Setup

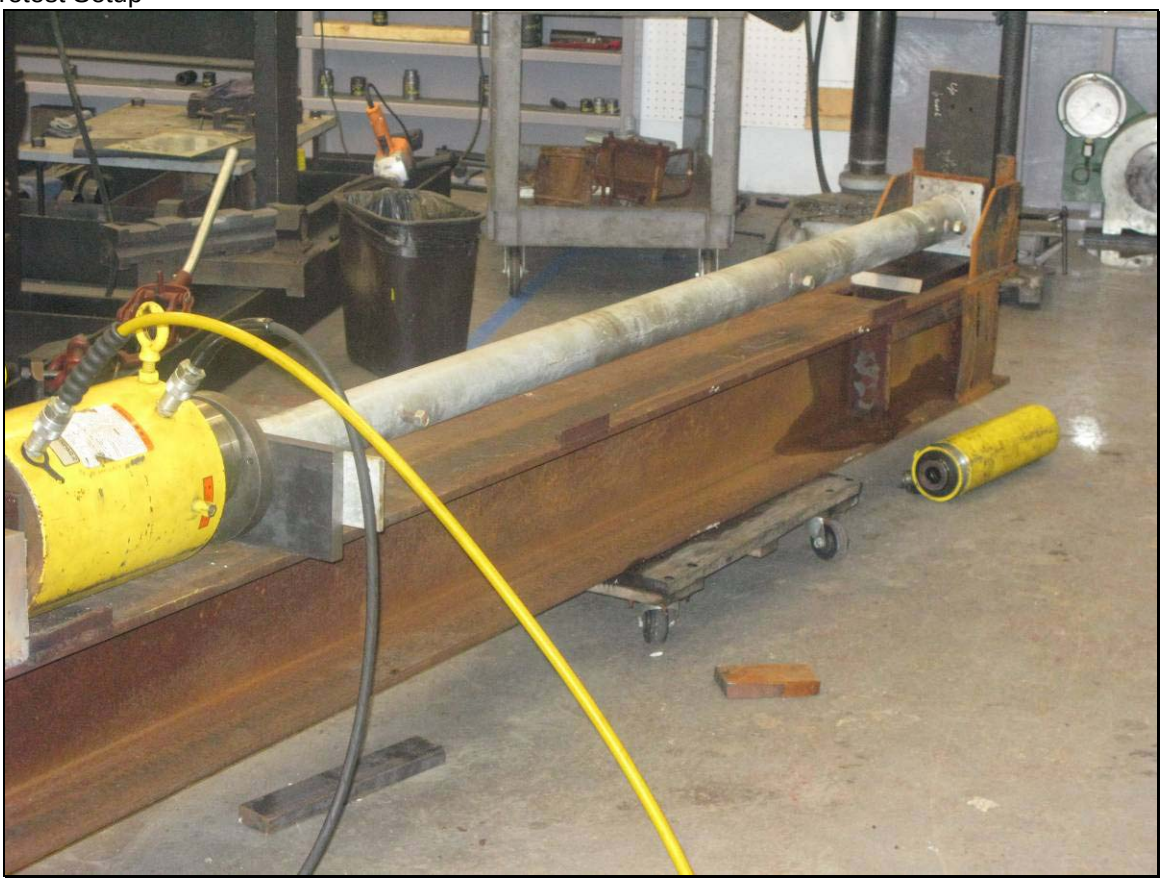


Couple Type	Load @ ¼" Slip (lbs)	Tube Type
Rigid	1988	3 ½" Shore Post
Swivel	4420	3 ½" Shore Post

SHORE POST TESTING

Shore post was compressed until failure.

Pretest Setup



Product	Maximum Load (lbs)	Failure Type
3 ½" OD x 8' Length	85000	Buckle

LEDGER TEST

Ledger testing generally followed the test procedure outlines in section 14.3 of ANSI/ASSE A10.8-2001 with the exception that only a single Ledger was tested.

Pretest Setup

Product	Load @ Deformation (lbs)	Failure Type
Ledger	2900	Ladder Frame Deformation