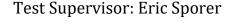
Carleton Laboratory Filename 20161028





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ABBREVIATED TEST REPORT

Specimens: Two (2) scaffold assemblies, each consisting of three (3) sets of model

WT564HD 5' X 6'4" walk thru frames with slide lock scaffold components together with six (6) pairs of cross braces and four (4) screw jack leg extensions were delivered to the Carleton Laboratory on 28 October 2016. One (1)

additional assembly was delivered on 31 October 2016.

Test Method: Three frames high scaffold assemblies with a total height of 19' was erected

with two pairs of cross braces in each frame. The screw jacks inserted to four vertical legs were adjusted to 12 inches beyond the frame length on the bottom. The scaffold assemblies were tested in compression in accordance to ANSI/SSFI SC100-5/05 Series A. The load was applied to the four vertical posts via load transfer beams fixed to the cross head of the testing machine at a constant rate of 6000 lb/min to load refusal. The ultimate load and failure mode

was documented.

Test Apparatus: Southwark-Emery 600,000 lb Universal Testing Machine in 120,000 lb range

Test Date: 28 and 31 October 2016

Test Results:

Specimen No.	Length	Ultimate Load (lb)	Ultimate Load per post (lb)	Remark and Failure Mode Description
#1 (5' X 19')	8′	101,600	25,400	Two posts buckled, cross braces and screw jacks intact
#2 (5' X 19')	8′	100,000	25,000	Two posts buckled, cross braces and screw jacks intact
#3 (5' X 19')	8′	92,500	23,125	Two posts buckled, cross braces and screw jacks intact

Average Ultimate Load: 98,033 lb Maximum Variation: 5.64% Allowable Leg Load: 24,508 lb

The management of the Carleton Laboratory certifies to the best of its knowledge that the above readings are correct, and that they have been performed on a NIST-traceable/calibrated universal testing machine on the premises of said laboratory.

Adrian Brügger

Manager, Robert A. W. Carleton Strength of Materials Laboratory

Columbia University in the City of New York

APPENDIX A: Photographic Documentation of Test



Loading test setup



Before test (#1: 5' X 19' scaffold assembly)







After test (#1: 5' X 19' scaffold assembly)

Test Supervisor: Eric Sporer Carleton Laboratory Filename 20161028



Before test (#2: 5' X 19' scaffold assembly)







After test (#2: 5' X 19' scaffold assembly)



Before test (#3: 5' X 19' scaffold assembly)



After test (#3: 5' X 19' scaffold assembly)

APPENDIX B: ANSI/SSFI SC100-5/05 Test Report Form, Series A

Appendix B WELDED FRAME SCAFFOLD ASSEMBLY TEST REPORT FORM, SERIES A

Manufacturer: 4	i scarrols	· >	Model #/Product Identification: ปรรย์หมือ						
Test Date: い力や				Test Loca	ation: Christian	Factor of Sa	Factor of Safety (FS):		
		· ·			ries A adings		. ,		
	Leg 1 Load		Leg 2 Load			Leg 4 Load	Total Ulfimate Load	Failure Mode (Use "Notes" if needed)	
Test 1	25	,400	25,400	25, 400		25,000	101,606	Bocketo Leto	
Test 2	25,000		25,000	₽3	5,00°	25,000		Bucaus Low	
Test 3	23,125		23,125	٦z	, P5	23,125	92,50	Buches Les	
Test 4 (if needed)									
Test 5(if needed)									
					ries A ating				
		,	Tests 1-3	Tests 1-4 (if needed)			4 Out of 5 Tests (if needed)		
Average Ultimate Load		940=	3			: <u>.</u>			
Maximum Varia	tion	<u> %564</u> % fo	or Test#3	% for Test #			% for Test #		
Allowable Leg L Rating (Avg / I		24,50	, g						
ketch: Attach Sketc otes:		•	s (if applicable	e), and l	list of com	ponents			
itnesses <u>Name</u> <u>Con</u>			Company	ompany <u>Sig</u>			-	<u>Title</u>	
ertification certify that I am a que andard. I also certify lethods for Testing ar orming institute in th	that id Ra	the above d ting Welde	lescribed tests d Frame Scaff	were pe old Ass	erformed in emblies, as	n accordance with s published by the s and values are ac	the applicable pr Scaffolding, Sho ccurate.	ovisions of the ring &	
(Name)	(Name) (Signature						a convergency deficies (Pate)		
0 W 120 ST NEW YORKING 10024				7-12-951-9545			•	ENGLOSIE, COLUMBIA S	
(Address/city/state/zij					(Phone)		(e-mail)		

Coronet USA Inc. 28 October 2016

Test Supervisor: Eric Sporer Carleton Laboratory Filename 20161028

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