

SHIN160802972CCM No. :

Date: Sep. 18, 2016

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CORONET GROUP SUZHOU CO., LTD. #1505 SIFC, SUZHOU, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : FRAME SCAFFOLD

Sample Number SHIN160802972CCM

Test Required Please see the next page(s) Test Method : Please see the next page(s)

Date of Receipt : Aug. 16, 2016

Test Period : Aug. 16, 2016 to Sep. 18, 2016

Test result(s) : For further details, please refer to the following page(s)

****** To be continued******

Signed for SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Tiffany Liu Authorized signatory



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Sample information:

Sample Type	Sample No.	Sample specification	Actual weight (lb)
Ladder Frame-Slide Lock	1	2'*6'4"	35.98
	2	2'*5'	29.17
	3	2'*3'	20.33
	4	2'6"*6'	38.40
	5	2'6"*5'	31.61
	6	2'6"*3'	21.98
Walk Through Frame-Slide Lock	7	5' *6'4"	49.82
	8	3' *6'4"	44.03
	9	3'6"*6'4"	45.15
Mason Frame-Slide Lock	10	5'*6'4"	46.96
	11	5'*5'	39.40
	12	5'*4'	36.04
	13	5'*3'	30.51
	14	5'*2'	27.40

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List of the accessories of the frame scaffolding

Component Sample Actu	Sample	Actual unit weight	Remark
	(lb)	Remark	
Cross brace	5'*4'	8.77	For the test assembly of sample
1	5 4	0.77	1,2,4,5,7,8,9,10,11
Cross brace	5'*2'	7.43	For the test assembly of sample
2	5 2	7.43	3,6,12,13,14
Base jack	Ф1.358"	12.17	For all test assembly
Inner tube	Ф1.408"	1.04	For all test assembly
U-head	Ф1.358"	14.00	For all test assembly

******* To be continued******



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I. Load capacity of the post of frame

Test method: offered by client

The frame scaffolding installed as per client's requirement shall be tested one bay wide and one bay long, by one lift high to arrive an maximum post load. The load shall be applied distributed on two posts in one frame through loading beams. The frame scaffolding is erected into above configuration composed of four vertical posts with base jack extended to 12 inches.

Test result:

Sample No	Maximum load (lb)	Maximum load per post(lb)	Failure mode
1-1	25057	12528	The frame showed visible deformation
2-1	32343	16172	The frame showed visible deformation
3-1	43596	21978	The frame showed visible deformation
4-1	24009	12004	The frame showed visible deformation
5-1	26269	13134	The frame showed visible deformation
6-1	38652	19326	The frame showed visible deformation
7-1	25893	12946	The frame showed visible deformation
8-1	21998	10999	The frame showed visible deformation
9-1	26164	13082	The frame showed visible deformation

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Sample No	Maximum load (lb)	Maximum load per post(lb)	Failure mode
10-1	21164	10582	The frame showed visible deformation
11-1	25113	12556	The frame showed visible deformation
12-1	33156	16758	The frame showed visible deformation
13-1	36100	18050	The frame showed visible deformation
14-1	41365	20682	The frame showed visible deformation

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Test photos:





Sample 1-1 before test

Sample 1-1 after test

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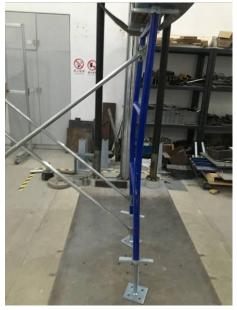


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Sample 2-1 before test

Sample 2-1 after test

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Sample 3-1 before test

Sample 3-1 after test

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Sample 4-1 before test

Sample 4-1 after test

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Sample 5-1 before test

Sample 5-1 after test

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Sample 6-1 before test

Sample 6-1 after test

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Sample7-1 before test

Sample 7-1 after test

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Sample 8-1 before test

Sample 8-1 after test

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Sample 9-1 before test

Sample 9-1 after test

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Sample 10-1 before test

Sample 10-1 after test

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Sample 11-1 before test

Sample 11-1 after test

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Sample 12-1 before test

Sample 12-1 after test

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Sample 13-1 before test

Sample 13-1 after test

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Sample 14-1 before test

Sample 14-1 after test

II. Uniformly load of the ledger

Test method: offered by client

The frame scaffolding installed as per client's requirement shall be tested one bay wide and one bay long, by one lift high to arrive an maximum uniformly load. The load shall be applied distributed on the ledger in one frame through four load block of which the width is 100mm. The frame scaffolding is erected into above configuration composed of four vertical posts with base jack extended to 12 inches.

****** To be continued******



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Test result:

Sample No	Maximum load (lb)	Failure mode
1-2	8323	The ledger was bent
2-2	7350	The ledger was bent
3-2	7342	The ledger was bent
4-2	8494	The ledger was bent
5-2	5763	The ledger was bent
6-2	6400	The ledger was bent
7-2	8116	The ledger and the post were bent
8-2	12100	The ledger and the post were bent
9-2	10698	The ledger and the post were bent
10-2	6517	The ledger and the post were bent
11-2	6241	The ledger and the post were bent
12-2	6226	The ledger was bent
13-2	6086	The ledger was bent
14-2	6529	The ledger was bent

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Test photos:





Sample 1-2 before test

Sample 1-2 after test

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Sample 2-2 before test

Sample 2-2 after test

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Sample 3-2 before test

Sample 3-2 after test

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Sample 4-2 before test

Sample 4-2 after test

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Sample 5-2 before test

Sample 5-2 after test

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Sample 6-2 before test

Sample 6-2 after test

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Sample 7-2 before test

Sample 7-2 after test

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Sample 8-2 before test

Sample 8-2 after test

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Sample 9-2 before test

Sample 9-2 after test

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Sample 10-2 before test

Sample 10-2 after test

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Sample 11-2 before test

Sample 11-2 after test

****** To be continued******



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Sample 12-2 before test

Sample 12-2 after test

******* To be continued******



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Sample 13-2 before test

Sample 13-2 after test

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Sample 14-2 before test

Sample 14-2 after test

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