

TEST REPORT

No. : SHIN180702203CCM
Date : Aug. 16, 2018
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CUSTOMER NAME: CHANGSHA XIANGJIA METAL MATERIAL TRADING CO., LTD.
ADDRESS: ROOM 1605-1609, MINGCHENG INTERNATIONAL BUILDING, NO.45
RENMIN EAST ROAD, CHANGSHA, HUNAN, CHINA

Sample Name : WALK THRU FRAME
Product specification : 5'x6'4"
Product or Lot No : AD-WFT564
Material and Mark : Q345 steel

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Testing and Rating Welded Frame Scaffold Assemblies
Test Method : ANSI/SSFI SC100-5/05
Date of Receipt : Jul. 20, 2018
Testing Start Date : Jul. 20, 2018
Testing End Date : Aug. 13, 2018
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

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

Joyce Li
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Testing and Rating Welded Frame Scaffold Assemblies	ANSI/SSFI SC100-5/05	See result	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original sample photo(s):



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Test item : Testing and Rating Welded Frame Scaffold Assemblies—A Series Tests
Test conducted: ANSI/SSFI SC100-5/05 Standards for Testing and Rating Scaffold Assemblies and Components Clause 5.2A

Sample information :

Components	Number in one test	Specification	Actual unit Mass (kg)
5'x6'4" Frame	6	Φ43.0mm×2.5mm (Wall thickness)	21.60
Cross brace	6	Φ25.3mm×2726mm (Length)	5.80
Base Jack	4	Φ34mm×605mm	5.52
U-head	4	Φ34mm×400mm	4.10
Coupling pin	8	35mm×2mm / 42.7mm×2.4mm	0.46

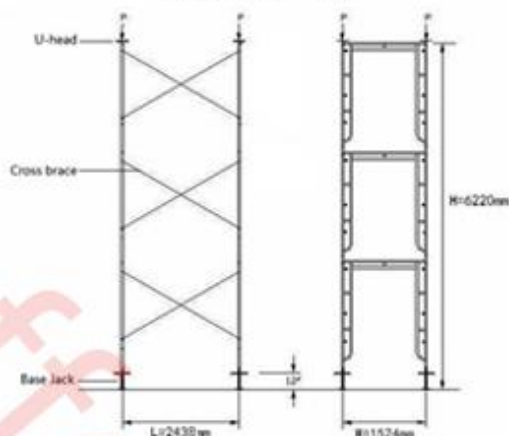
Test procedure :

The frame scaffolding installed as per client's requirement was tested one bay wide and one bay long, by three lifts high to arrive a maximum post load. The load shall be applied distributed on four posts through loading beams. The frame scaffolding is erected into above configuration composed of four vertical posts with adjustable leg extended to 12inch and U-head extended to 2inch and with normal cross brace installed as showed in the following figure.

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Drawing of test setup (Series A test)



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Test result:

Manufacturer: CHANGSHA XIANGJIA METAL MATERIAL TRADING CO., LTD.			Model # / Product Identification: S *E 4*			
Test Date: 2018.08.06-2018.08.10		Test #: 1-3		Test Location: SGS-CCM Lab	Factor of Safety (FS): 4	
Series A Readings						
	Leg 1 Load	Leg 2 Load	Leg 3 Load	Leg 4 Load	Total Ultimate Load	Failure Mode/Use "Notes" if needed
Test 1	Average: 104478lb				417878lb	The posts were bent.
Test 2	Average: 104308lb				417208lb	The posts were bent.
Test 3	Average: 100258lb				401008lb	The posts were bent.
Test 4 (if needed)	/			/	/	/
Test 5 (if needed)	/			/	/	/
Series A Rating						
	Tests 1-3			Tests 1-4		4 Out of 5 Tests (if needed)
Average Ultimate load	412028lb			/		/
Maximum Variation	2.7% for Test 3			/		/
Allowable Leg Load Rating (Avg/FS)	25758lb			/		/

Remark:

- The weight of the loading beams is 291.5kg. The maximum load includes the weight of loading beams.
- The extension height of the base jack is 12" and U-head is 2".
- Test height: 20'4.9"



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Test photo(s):



Frame scaffolding assembly



Load frame



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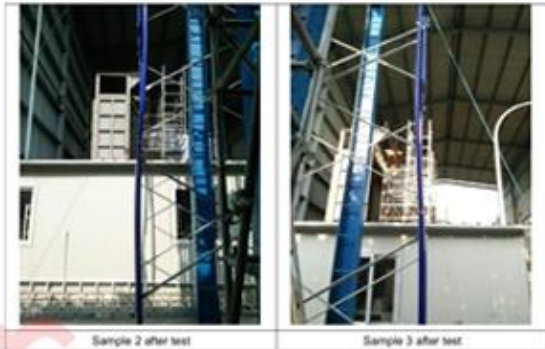


In test

Sample 1 after test

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Sample 2 after test

Sample 3 after test



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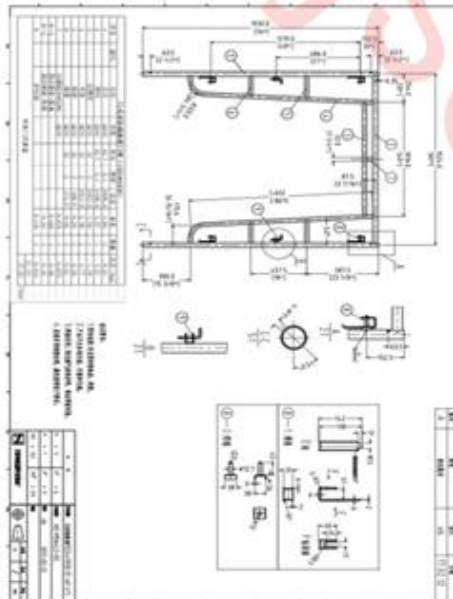
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Appendix A Product Drawing (Offered by client)

[illegible]

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Certification

I certify that I am a qualified engineer or a representative of an independent testing laboratory as defined in the SC100 standard. I also certify that the above described tests were performed in accordance with the applicable provisions of the Methods for Testing and Rating Welded Frame Scaffold Assemblies, as published by the Scaffolding, Shoring & Forming Institute in the SSFI SC100 standard, and that the stated results and values are accurate.

King Chen SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Aug. 13, 2018
(Name) (Signature) (Company) (Date)

The 3F. Building, No.69, KangQiao Industrial Park, Block1159, KangQiao East Road, Pudong District, Shanghai, China, 201319		
	021-61196413	king.chen@kqa.com
(Address/city/state/zip)	(Phone)	(E-mail)

***** End of report *****




 Chinese authorities agree to assist the Government in the investigation of the alleged involvement of Chinese personnel in the 1989 Tiananmen Square protests. The Government of the People's Republic of China has been informed that the Chinese authorities are currently investigating the alleged involvement of Chinese personnel in the 1989 Tiananmen Square protests. The Government of the People's Republic of China has been informed that the Chinese authorities are currently investigating the alleged involvement of Chinese personnel in the 1989 Tiananmen Square protests. The Government of the People's Republic of China has been informed that the Chinese authorities are currently investigating the alleged involvement of Chinese personnel in the 1989 Tiananmen Square protests.

中国 - 上海 - 浦东新区世纪大道1555号15楼 邮编 200120 电话 36017076000 36017076001 36017076002 36017076003 36017076004 36017076005 36017076006 36017076007 36017076008 36017076009 36017076010 36017076011 36017076012 36017076013 36017076014 36017076015 36017076016 36017076017 36017076018 36017076019 36017076020 36017076021 36017076022 36017076023 36017076024 36017076025 36017076026 36017076027 36017076028 36017076029 36017076030 36017076031 36017076032 36017076033 36017076034 36017076035 36017076036 36017076037 36017076038 36017076039 36017076040 36017076041 36017076042 36017076043 36017076044 36017076045 36017076046 36017076047 36017076048 36017076049 36017076050 36017076051 36017076052 36017076053 36017076054 36017076055 36017076056 36017076057 36017076058 36017076059 36017076060 36017076061 36017076062 36017076063 36017076064 36017076065 36017076066 36017076067 36017076068 36017076069 36017076070 36017076071 36017076072 36017076073 36017076074 36017076075 36017076076 36017076077 36017076078 36017076079 36017076080 36017076081 36017076082 36017076083 36017076084 36017076085 36017076086 36017076087 36017076088 36017076089 36017076090 36017076091 36017076092 36017076093 36017076094 36017076095 36017076096 36017076097 36017076098 36017076099 36017076100 36017076101 36017076102 36017076103 36017076104 36017076105 36017076106 36017076107 36017076108 36017076109 36017076110 36017076111 36017076112 36017076113 36017076114 36017076115 36017076116 36017076117 36017076118 36017076119 36017076120 36017076121 36017076122 36017076123 36017076124 36017076125 36017076126 36017076127 36017076128 36017076129 36017076130 36017076131 36017076132 36017076133 36017076134 36017076135 36017076136 36017076137 36017076138 36017076139 36017076140 36017076141 36017076142 36017076143 36017076144 36017076145 36017076146 36017076147 36017076148 36017076149 36017076150 36017076151 36017076152 36017076153 36017076154 36017076155 36017076156 36017076157 36017076158 36017076159 36017076160 36017076161 36017076162 36017076163 36017076164 36017076165 36017076166 36017076167 36017076168 36017076169 36017076170 36017076171 36017076172 36017076173 36017076174 36017076175 36017076176 36017076177 36017076178 36017076179 36017076180 36017076181 36017076182 36017076183 36017076184 36017076185 36017076186 36017076187 36017076188 36017076189 36017076190 36017076191 36017076192 36017076193 36017076194 36017076195 36017076196 36017076197 36017076198 36017076199 36017076200 36017076201 36017076202 36017076203 36017076204 36017076205 36017076206 36017076207 36017076208 36017076209 36017076210 36017076211 36017076212 36017076213 36017076214 36017076215 36017076216 36017076217 36017076218 36017076219 36017076220 36017076221 36017076222 36017076223 36017076224 36017076225 36017076226 36017076227 36017076228 36017076229 36017076230 36017076231 36017076232 36017076233 36017076234 36017076235 36017076236 36017076237 36017076238 36017076239 36017076240 36017076241 36017076242 36017076243 36017076244 36017076245 36017076246 36017076247 36017076248 36017076249 36017076250 36017076251 36017076252 36017076253 36017076254 36017076255 36017076256 36017076257 36017076258 36017076259 36017076260 36017076261 36017076262 36017076263 36017076264 36017076265 36017076266 36017076267 36017076268 36017076269 36017076270 36017076271 36017076272 36017076273 36017076274 36017076275 36017076276 36017076277 36017076278 36017076279 36017076280 36017076281 36017076282 36017076283 36017076284 36017076285 36017076286 36017076287 36017076288 36017076289 36017076290 36017076291 36017076292 36017076293 36017076294 36017076295 36017076296 36017076297 36017076298 36017076299 36017076300 36017076301 36017076302 36017076303 36017076304 36017076305 36017076306 36017076307 36017076308 36017076309 36017076310 36017076311 36017076312 36017076313 36017076314 36017076315 36017076316 36017076317 36017076318 36017076319 36017076320 36017076321 36

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