

R&S MANUFACTURING AND SALES CO., INC. TEST REPORT

SCOPE OF WORK

OSHA FALL PROTECTION TESTING ON THEIR LTP FALL PROTECTION SCREEN

REPORT NUMBER

H0953.01-301-44 R0

TEST DATE

6/14/2017

ISSUE DATE

10/17/17

RECORD RETENTION END DATE

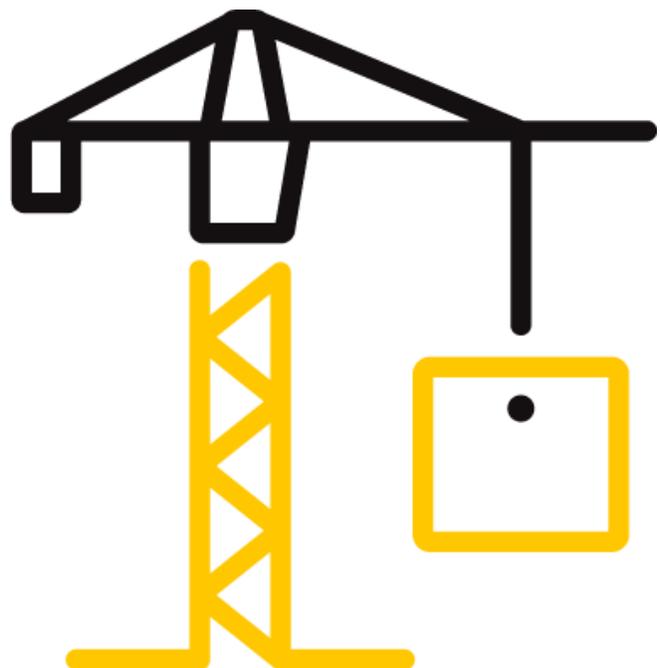
6/14/2022

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7

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TEST REPORT FOR R&S MANUFACTURING AND SALES CO., INC.

Report No.: H0953.01-301-44 R0

Date: 10/17/17

REPORT ISSUED TO

R&S MANUFACTURING AND SALES CO., INC.

3575 Old Conejo Road
Newbury Park, CA 91320

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by R&S Manufacturing and Sales Co., Inc. to perform fall protection testing in accordance with the referenced standards on their LTP Fall Protection Skylight Screen. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at the Intertek test facility in Fresno, CA. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2

SUMMARY OF TEST RESULTS

Product Type: Skylight Screen

Series/Model: LTP Fall Protection Screen

The specimens tested successfully met the requirements of OSHA 1926.502(i).

SECTION 3

TEST METHODS

The specimens were evaluated in accordance with the following:

Occupational Safety and Health Administration [OSHA] (2014), 29 CFR §1926.502(i)(2), *Covers for holes in floors, roofs, and other walking/working surfaces*

OSHA (2014), 29 CFR §1910.23(e)(8), *Guarding floor and wall openings and holes*

California Code of Regulations [Cal-OSHA], Title 8, §3212 *Floor Openings, Floor Holes, Skylights and Roofs*

For INTERTEK B&C:

COMPLETED BY: Jay Ratliff
TITLE: Technician
SIGNATURE:
DATE: 10/17/17

REVIEWED BY: Tyler Westerling, P.E.
TITLE: Senior Project Engineer
SIGNATURE:
DATE: 10/17/17

DD:ms

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TEST REPORT FOR R&S MANUFACTURING AND SALES CO., INC.

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SECTION 4

MATERIAL SOURCE/INSTALLATION

The test specimen was provided by the client. Representative samples of the test specimen will be retained by Intertek B&C for a minimum of four years from the test completion date. The test specimen was installed into a Douglas fir test curb.

ANCHOR DESCRIPTION	LOCATION	SPACING
#14 x 4" hex washer head	Through Long Channel into Purlin	Joints, mid-span and corners

SECTION 5

EQUIPMENT

Load Cell 005135; Calibration Due: 10/25/2017

M.U.L.E. (Computerized Data Acquisition) 005722; Calibration Due: 5/27/2017

SECTION 6

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Jay Ratliff	Intertek B&C

SECTION 7

TEST PROCEDURE

Test weights fabricated using bags filled with sand were applied to the top of the test specimen using a contact plate measuring 1-foot square. Each test load was maintained for a minimum of 60 seconds. After removing the test weight, the test specimen was inspected for any signs of damage or failure.

SECTION 8

TEST SPECIMEN DESCRIPTION

Product Type: Skylight Screen

Series/Model: LTP Fall Protection Screen

Product Sizes:

ITEM	METRIC	U.S.
Overall Area	3.21 m ²	34.6 ft ²
Overall Frame Size	1003 x 3200 mm	39-1/2" x 126"
Overall Mesh Size	864 x 3048 mm	34" x 120"
Mesh Grid Size (field)	102 x 102 mm	4" x 4"
Mesh Grid Size (long sides)	70 x 102 mm	2-3/4" x 4"

TEST REPORT FOR R&S MANUFACTURING AND SALES CO., INC.

Report No.: H0953.01-301-44 R0

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Construction:

MEMBER	MATERIAL	DESCRIPTION
Long Channel, Bottom C-Channel	Steel	14-gauge galvanized, roll-formed
Screen	Steel	Welded 3/16" \varnothing galvanized wire
Top C-Channel	Steel	18-gauge galvanized, roll-formed

JOINT LOCATION	TYPE	DETAIL
Bottom C-Channel ends	Fastened	#14 x 4" hex washer head screw through Bottom C-Channel and Long Channel into purlin
Screen	Captured	Screen sandwiched between slotted C-Channel Top and Bottom halves
Top C-Channel	Fastened	Attached to Bottom C-Channel with three #12 x 1-1/4" hex washer head screws

SECTION 9

TEST RESULTS

The temperature during testing was 32°C (89°F). The results are tabulated as follows:

OSHA Safety Test

TEST METHOD	LOAD LOCATION	RESULTS
200 lbf, 1 minute	Center of unsupported mesh area, 1ft ²	No Visible Damage
400 lbf, 1 minute	Center of unsupported mesh area, 1ft ²	No Visible Damage
400 lbf, 1 minute	Center of unsupported mesh area, 1ft ²	No Visible Damage

Observations: After removal of the test weight, no visible damage was observed after each test. All tests were performed on the same specimen.

SECTION 10

CONCLUSION

The specimens tested successfully met the performance requirements of OSHA (2014), 29 CFR §1926.502(i)(2) and §1910.23(e)(8); and Cal-OSHA, Title 8, §3212.



Total Quality. Assured.

2524 E. Jensen Ave
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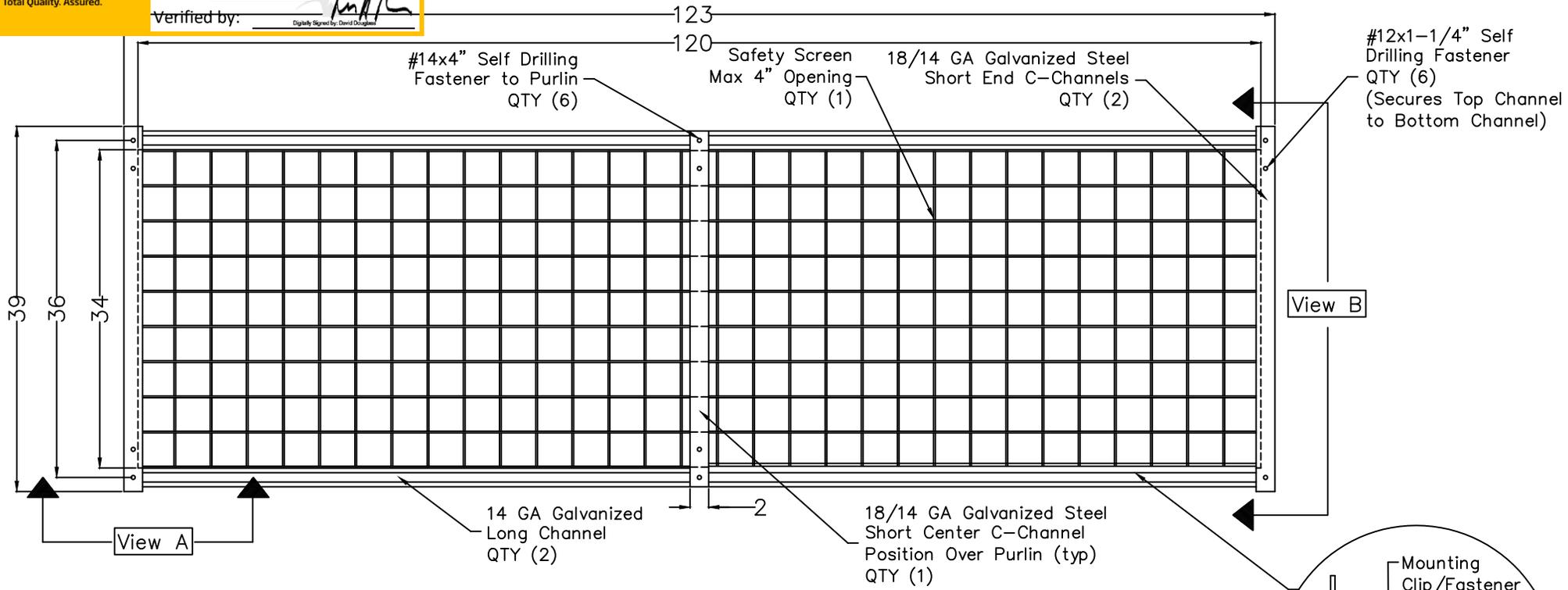
TEST REPORT FOR R&S MANUFACTURING AND SALES CO., INC.

Report No.: H0953.01-301-44 R0

Date: 10/17/17

SECTION 11
DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.



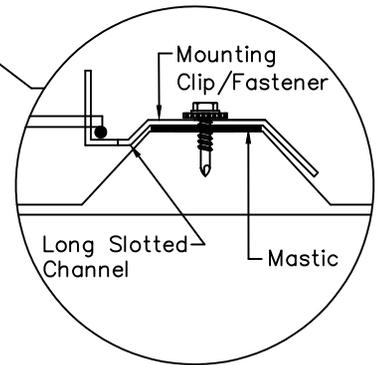
#12x1-1/4" Self Drilling Fastener QTY (6)
(Secures Top Channel to Bottom Channel)

View B

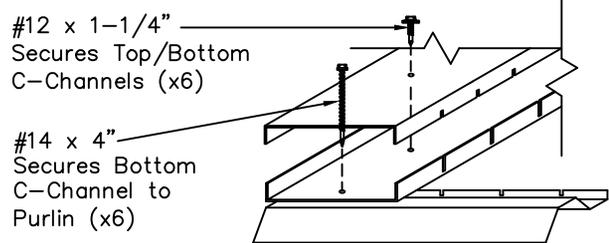
View A



SAFETY SCREEN DETAIL

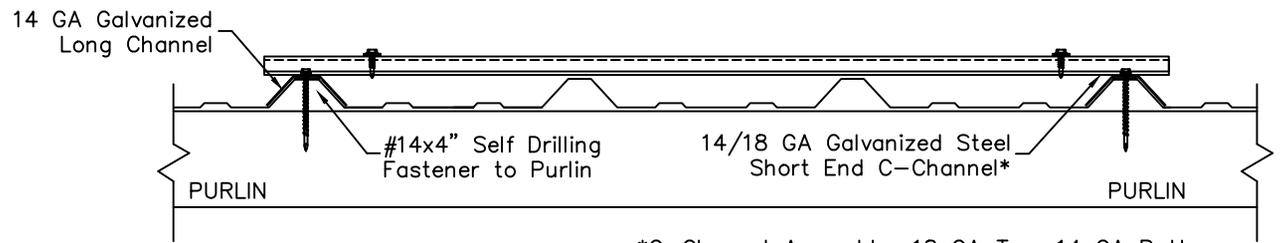


VIEW A - CORNER DETAIL*



* Safety Screen Not Shown

VIEW B - SECTIONAL DETAIL



*C-Channel Assembly: 18 GA Top, 14 GA Bottom



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SECTION 12
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	10/17/17	N/A	Original Report Issue