

# FRONTLINE FALL PROTECTION TEST REPORT

**SCOPE OF WORKs**

ANSI Z359.18 – 2017 Safety Requirements for Anchorage Connectors for Active Fall Protection Systems

**REPORT NUMBER**

105282134CRT-001

**ISSUE DATE**

1/13/2023

**PAGES**

7

**DOCUMENT CONTROL NUMBER**

GFT-OP-10a (6-March-2017)

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**TEST REPORT FOR FRONTLINE FALL PROTECTION**

Report No.: 105282134CRT-001  
Date: January 13 2023

FRONTLINE FALL PROTECTION  
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**Report Number**..... : 105282134CRT-001  
**Signed Quote Number**..... : Qu-01318893-0  
**PO Number**..... N/A

**Name of Testing Laboratory**  
**Preparing the Report** ..... : Intertek Testing Services NA Inc.

**Test Specification:**

**Standard**..... : ANSI/ASSP Z359.18-2017  
**Date(s) of Testing**..... : 1/4/2023-1/13/2023

**Product Description:**

**Product Type:** ..... : Type A Anchor (Parapet Anchor)  
**Brand Name:** ..... : Frontline Fall Protection  
**Model Number(s):** ..... : ROP14E  
**Date(s) Samples Received** ..... : 11/8/2022

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Date: January 13, 2023



**SECTION 1**

**SUMMARY OF TESTING**

| TESTS COMPLETED  | ANSI/ASSP Z359.18-2017<br>CLAUSE | STATUS |
|--|----------------------------------|--------|
| Corrosion Type A   | 3.2.5                            | PASS   |
| Static Strength Test                                     | 4.2.1.1                          | PASS   |
| Conditioning (pre-dynamic strength) Non-Textile Abrasion | 4.2.2.1.2                        | PASS   |
| Dynamic Strength Test- Type A                            | 4.2.2.1.4                        | PASS   |
| Residual Dynamic Strength- Type A                        | 4.2.3.1                          | PASS   |

**SECTION 2**

This test report concludes the work anticipated in the testing phase of your project. If there are any questions regarding this report please contact the undersigned at 607-753-6711.

|                      |   |                     |   |
|----------------------|---|---------------------|---|
| <b>COMPLETED BY:</b> | Steve Morey   | <b>REVIEWED BY:</b> | Matthew Stevens   |
| <b>TITLE:</b>        | Technician  | <b>TITLE:</b>       | Team Leader   |
| <b>SIGNATURE:</b>    |  | <b>SIGNATURE</b>    |  |
| <b>DATE</b>          | 1/13/2023   | <b>DATE:</b>        | 1/13/2023   |

Please see attached test data for details.

Date: January 13, 2023

**SECTION 3**

**TESTING EQUIPMENT CALIBRATION INFORMATION**

| USED FOR TEST | DESCRIPTION  | MANUFACTURER | CONTROL NO. | MODEL NO. | SERIAL NO. | CAL. DATE | CAL. DUE  |
|---------------|--------------|--------------|-------------|-----------|------------|-----------|-----------|
| X             | Test Weight  | NA           | NA          | 282 lbs   | -          | VBU       | VBU       |
| X             | Load Cell    | PCB          | N1392       | -         | -          | 8/30/22   | 8/23/2023 |
| X             | Tape Measure | Kobalt       | H422        | 25'       | -          | 5/13/2022 | 5/13/2023 |
| X             | Load Cell    | Interface    | L137        |           |            | 5/27/2022 | 5/27/2023 |

**SECTION 4**

**SUPPLEMENTAL TEST DATA**

| SECTION (TEST)  | REQUIREMENT  | RESULTS   | COMPLIANCE |                              |           |           |           |                                 |     |     |     |   |    |    |    |
|---|--|-----------|------------|------------------------------|-----------|-----------|-----------|---------------------------------|-----|-----|-----|---|----|----|----|
| 4.2.1.1   | <p><b>Static Strength Test for Type A Anchorage Connectors:</b></p> <p>A) A new anchorage connector may be used for each test.<br/>                     B) Test force shall be 5,000 pounds (+50/-0)<br/>                     C) Install anchorage connector on the test anchorage in accordance with requirements of 4.1.2.<br/>                     D) Apply load to the anchorage connector in the direction(s) of loading specified in 4.1.2.5.<br/>                     E) Apply load at no greater than 2"/min and maintain 5,000 pound test load for at least 3 minutes.<br/>                     F) Release load<br/>                     G) Evaluate the test results per 3.2.1.1</p> |           | PASS       |                              |           |           |           |                                 |     |     |     |   |    |    |    |
|   | <table border="1"> <thead> <tr> <th>Static Strength Requirements</th> <th>SAMPLE: 1</th> <th>SAMPLE: 2</th> <th>SAMPLE: 3</th> </tr> </thead> <tbody> <tr> <td>Anchorage resist the test load?</td> <td>Yes</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>If deformation occurred did it create more than 1/8" (3mm) between gate and body?</td> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>   |           |            | Static Strength Requirements | SAMPLE: 1 | SAMPLE: 2 | SAMPLE: 3 | Anchorage resist the test load? | Yes | Yes | Yes | If deformation occurred did it create more than 1/8" (3mm) between gate and body? | NA | NA | NA |
|   | Static Strength Requirements   | SAMPLE: 1 |            | SAMPLE: 2                    | SAMPLE: 3 |           |           |                                 |     |     |     |   |    |    |    |
|   | Anchorage resist the test load?  | Yes       |            | Yes                          | Yes       |           |           |                                 |     |     |     |   |    |    |    |
| If deformation occurred did it create more than 1/8" (3mm) between gate and body? | NA   | NA        | NA         |                              |           |           |           |                                 |     |     |     |   |    |    |    |

| SECTION (TEST) | REQUIREMENT   | RESULTS                     |                             |                             | COMPLIANCE |
|----------------|---|-----------------------------|-----------------------------|-----------------------------|------------|
| 4.2.2.1.2      | <p><b>Dynamic Strength:</b></p> <ul style="list-style-type: none"> <li>A) Install anchorage connector, conditioned according to the applicable requirements of 4.2.2.1.2 or 4.2.2.1.3 on the test anchorage in accordance with 4.1.2</li> <li>B) Connect one end of the test lanyard to the connection point of the anchorage connector to be loaded or to the arrest force measuring instrumentation.</li> <li>C) Connect the other end of the test lanyard to the test weight specified in 4.1.3</li> <li>D) Raise the test weight to achieve a free-fall distance of 3' (+0.1/-0).</li> <li>E) Release the test weight by means of quick release mechanism.</li> <li>F) Evaluate the test results per 3.2.2.1</li> </ul> |                             |                             |                             | PASS       |
|                | <p><b>Sample Pre-Conditioning</b></p>   | <p><b>SAMPLE:<br/>4</b></p> | <p><b>SAMPLE:<br/>5</b></p> | <p><b>SAMPLE:<br/>6</b></p> |            |
|                | <p>Non-Textile- Connection point rotated on hardened steel hex bar for 50,000 cycles between 50-75 RMP?</p>   | YES                         | YES                         | YES                         |            |
|                | <p>Textile- Samples subjected to 2,000 hours (1,000 cycles at two hours per cycle) to Xenon Accelerated Weathering</p>  | NA                          | NA                          | NA                          |            |
|                |   |                             |                             |                             |            |
|                | <p><b>Dynamic Strength Test</b></p>   | <p><b>SAMPLE:<br/>4</b></p> | <p><b>SAMPLE:<br/>5</b></p> | <p><b>SAMPLE:<br/>6</b></p> |            |
|                | <p>Anchorage connector successfully arrest the test weight?</p>   | YES                         | YES                         | YES                         |            |
|                | <p>If deformation occurred did it create more than 1/8" (3mm) between gate and body?</p>  | NO                          | NO                          | NO                          |            |
|                | <p>MAF (Lbs.) Ref. Only</p>   | 2880                        | 3250                        | 2599                        |            |

| SECTION (TEST) | REQUIREMENT   | RESULTS |                  |                  | COMPLIANCE |                  |
|----------------|---|---------|------------------|------------------|------------|------------------|
| 4.2.3.1        | <b>Residual Dynamic Strength Test:</b><br>1. Repetition of the test specified in 4.2.2.1 using same anchorage connector without further conditioning and the same test lanyard used in first test.<br>2. Must support the test weight an additional minute after the residual dynamic drop.<br>3. Evaluate the test results per 3.2.3.1 |         |                  |                  | PASS       |                  |
|                | <b>Residual Dynamic Strength</b>  |         | <b>SAMPLE: 4</b> | <b>SAMPLE: 5</b> |            | <b>SAMPLE: 6</b> |
|                | Anchorage connector successfully arrest the test weight?  |         | YES              | YES              |            | YES              |
|                | Maintain the test weight for a period of at least 1 minute?   |         | YES              | YES              |            | YES              |
|                | If deformation occurred, did it create more than 1/8" (3mm) between gate and body?  |         | NA               | NA               |            | NA               |
|                | MAF (Lbs.) Ref. Only  |         | 3454             | 3078             |            | 3028             |

**SECTION 5**

**REVISION HISTORY**

| REPORT NUMBER    | DATE OF REVISION | DESCRIPTION OF CHANGE: | PROJECT OWNER | REVIEWED BY     |
|------------------|------------------|------------------------|---------------|-----------------|
| 105282134CRT-001 | 1/13/23          | Original Report        | Steve Morey   | Matthew Stevens |
| 105282134CRT-001 | 1/13/23          | Added Customer Photo   | Steve Morey   | Matthew Stevens |

