

# PAT NBK CO., LTD

# TEST REPORT

**SCOPE OF WORKs**

ANSI/ASSP Z359.14-2014 – SELF RETRACTING DEVICES

**REPORT NUMBER**

104354142CRT-001

**ORIGINAL REPORT NUMBER**

104032569CRT-001a

**ISSUE DATE**

6/24/20

**PAGES**

13

**DOCUMENT CONTROL NUMBER**

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

© 2017 INTERTEK





Total Quality. Assured.

### TEST REPORT FOR PAT NBK CO., LTD

Report No.: 104354142CRT-001

Date: June 24<sup>th</sup> 2020

Address  
3933 US rt. 11 Cortland, NY  
13045

Telephone: 607-758-6246  
www.intertek.com

Viva Chan  
PAT NBK Co., LTD.  
NO. 103 Renmei Rd  
Dali District, Taichung 41282  
Taiwan  
Viva.Chan@PatNBK.com.tw

Ph: 866-4-24913838  
Fx: N/A

**Report Number**.....: 104354142CRT-001

**Signed Quote Number**.....: Qu-01076865

**PO Number**.....: NA

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

#### Test Specification:

**Standard**.....: ANSI/ASSP Z359.14-2014

**Date(s) of Testing**.....: 9/23/19 – 6/23/20

#### Product Description:

**Product Type**: .....: Self-Retracting Device

**Brand Name**: .....: PAT NBK

**Model Number(s)**: .....: HB-2N 6'

**Additional Models** .....: NA

**Date(s) Samples Received** .....: 9/3/19

---

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.


Date: June 24<sup>th</sup>, 2020

**SECTION 1**  
**SUMMARY OF TESTING**

| TESTS COMPLETED                | TEST DATE | ANSI/ASSP Z359.14-2014<br>CLAUSE | STATUS |
|--------------------------------|-----------|----------------------------------|--------|
| Dynamic and Static Strength    | 9/25/19   | 3.1.7 & 3.1.8                    | PASS   |
| Dynamic Performance (ambient)  | 9/24/19   | 3.1.9 & 4.2.1                    | PASS   |
| Dynamic Performance (hot)      | 9/26/19   | 3.1.9 & 4.2.8.1                  | PASS   |
| Dynamic Performance (cold)     | 9/26/19   | 3.1.9 & 4.2.8.2                  | PASS   |
| Dynamic Performance (wet)      | 9/24/19   | 3.1.9 & 4.2.8.3                  | PASS   |
| Line Constituent (Webbing)     | 9/25/19   | 3.3.2 & 7.5                      | PASS   |
| General Requirements           | 9/24/19   | 3                                | PASS   |
| Corrosion Resistance (96 hrs.) | 9/27/19   | 7.4                              | PASS   |
| Markings and instructions      | 6/23/20   | 5                                | 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> | Theodore Brown  | <b>REVIEWED BY:</b> | Matthew Stevens   |
| <b>TITLE:</b>        | Technician  | <b>TITLE:</b>       | Associate Engineer  |
| <b>SIGNATURE:</b>    |  | <b>SIGNATURE</b>    |  |
| <b>DATE</b>          | 6/24/20   | <b>DATE:</b>        | 6/24/20   |

Please see attached test data for details.

Date: June 24<sup>th</sup>, 2020

**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             | Test Weight  | NA           | NA          | 300 Lbs   | -          | VBU       | VBU      |
| X             | Load Cell    | PCB          | N1392       | 10k       | -          | 6/17/19   | 6/17/20  |
| X             | Tape Measure | Stanley      | R214        | 25'       | -          | 4/8/19    | 4/8/20   |

**SECTION 4**

**SUPPLEMENTAL TEST DATA**

| Section (Test)             | Requirement  | Results   | Compliance |           |           |           |                            |     |     |     |      |
|----------------------------|--|---|------------|-----------|-----------|-----------|----------------------------|-----|-----|-----|------|
| 3.1.7<br>(4.2.5)           | <p><b>Static Strength:</b> (ambient) shall withstand 3,000 lbs. when tested to:</p> <ul style="list-style-type: none"> <li>- apply a 3,000 lbs ,(+60/-0 lbs) load and maintain for 1-minute to the point of SRL line connection to the SRL drum (across the device)</li> </ul> | <table border="1"> <thead> <tr> <th></th> <th>Sample: 1</th> <th>Sample: 2</th> <th>Sample: 3</th> </tr> </thead> <tbody> <tr> <td>Withstand the tensile load</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> </tbody> </table> |            | Sample: 1 | Sample: 2 | Sample: 3 | Withstand the tensile load | YES | YES | YES | PASS |
|                            | Sample: 1  | Sample: 2   | Sample: 3  |           |           |           |                            |     |     |     |      |
| Withstand the tensile load | YES  | YES   | YES        |           |           |           |                            |     |     |     |      |

| Section (Test)  | Requirement   | Results      | Compliance   |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
|---|---|--------------|--------------|--------------|--------------|-------------------------|-----|-----|-----|-----------|----|----|----|-------------|-----|-----|-----|------------------------------------|-----|-----|-----|------------------------------|----|----|----|---------------------------------------|----|----|----|--------------------------|-----|-----|-----|---|-----|-----|-----|----------------------|------|-----|-----|--|-------------|
| 3.1.8<br>(4.2.3)  | <p><b>Dynamic Strength:</b> (ambient) – shall lock and remained locked until released. The test weight shall not touch the ground. The line constituent shall retain tensile strength of 1,000 lbs. after the dynamic strength test.</p> <ol style="list-style-type: none"> <li>1. Connect 300 lb. weight.</li> <li>2. extract enough line for a 4-foot (48-inch) free fall</li> <li>3. release the test weight</li> <li>4. evaluate the line strength of the affected area</li> </ol> <p>Perform Residual Tensile Strength following the Dynamic Strength Test, Section 7.1, 7.2, 7.3 or 7.5.</p> <table border="1" data-bbox="410 695 1245 1283"> <thead> <tr> <th></th> <th>Sample:<br/>1</th> <th>Sample:<br/>2</th> <th>Sample:<br/>3</th> </tr> </thead> <tbody> <tr> <td>Type of load indicator:</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>SN or ID:</td> <td>#1</td> <td>#2</td> <td>#3</td> </tr> <tr> <td>SRL Locked:</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>SRL Remained Locked until released</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Test weight touch the ground</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Did SRL payload out to full extension</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Did load indictor engage</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Retain a minimum of 1,000 lbs of residual tensile strength following the test</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>MAF: (lbs) Ref only:</td> <td>1000</td> <td>879</td> <td>910</td> </tr> </tbody> </table> <p>Notes:</p> |              | Sample:<br>1 | Sample:<br>2 | Sample:<br>3 | Type of load indicator: | N/A | N/A | N/A | SN or ID: | #1 | #2 | #3 | SRL Locked: | YES | YES | YES | SRL Remained Locked until released | YES | YES | YES | Test weight touch the ground | NO | NO | NO | Did SRL payload out to full extension | NO | NO | NO | Did load indictor engage | YES | YES | YES | Retain a minimum of 1,000 lbs of residual tensile strength following the test | YES | YES | YES | MAF: (lbs) Ref only: | 1000 | 879 | 910 |  | <b>PASS</b> |
|   | Sample:<br>1  | Sample:<br>2 | Sample:<br>3 |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| Type of load indicator:   | N/A   | N/A          | N/A          |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| SN or ID:   | #1  | #2           | #3           |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| SRL Locked:   | YES   | YES          | YES          |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| SRL Remained Locked until released  | YES   | YES          | YES          |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| Test weight touch the ground  | NO  | NO           | NO           |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| Did SRL payload out to full extension   | NO  | NO           | NO           |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| Did load indictor engage  | YES   | YES          | YES          |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| Retain a minimum of 1,000 lbs of residual tensile strength following the test | YES   | YES          | YES          |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |
| MAF: (lbs) Ref only:  | 1000  | 879          | 910          |              |              |                         |     |     |     |           |    |    |    |             |     |     |     |                                    |     |     |     |                              |    |    |    |                                       |    |    |    |                          |     |     |     |   |     |     |     |                      |      |     |     |  |             |

| Section (Test)  | Requirement   | Results         |                 |                 | Compliance  |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
|---|---|-----------------|-----------------|-----------------|-------------|--|-----------------------------------|-----------------|-----------------|------------------------------|------------------------|--------|--------|-----------|-----|------------------------------|---|--|-----|-----|-----------------------|---------------------------------------|-----|-----|-----|---------------------------------|-----|-----|-----|---|-----------------------|------|-----|---|-----|------------------------------|-----|---------------------------|----|----|-----------------------|-------------------------|-----|-----|-----|---|----|----|----|--|-----------------------|----|-----|-----|-----|------------------------------|--|--|--|--|------------------------|----|-----|-----|-----|------------------------------|--|--|--|--|
| 3.1.9<br>(4.2.1)  | <p><b>Dynamic Performance: "AMBIENT"</b></p> <ol style="list-style-type: none"> <li>connect 282 lb. weight</li> <li>extract enough line for a 36-inch free fall per Fig 5 in Test Standard.</li> <li>release the test weight</li> </ol> |                 |                 |                 | <b>PASS</b> |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Sample:<br/>4</th> <th style="text-align: center;">Sample:<br/>5</th> <th style="text-align: center;">Sample:<br/>6</th> </tr> </thead> <tbody> <tr> <td>Conditioning in: (2 hrs min)</td> <td style="text-align: center;">24 Hr.</td> <td style="text-align: center;">24 Hr.</td> <td style="text-align: center;">24 Hr.</td> </tr> <tr> <td>SN or ID:</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> </tr> <tr> <td>Payout and retract the line per 3.1.6 following test</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">YES</td> </tr> <tr> <td>Lock function shall operate per 3.1.2</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">YES</td> </tr> <tr> <td>Visual indicator shall activate</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">YES</td> <td style="text-align: center;">YES</td> </tr> <tr> <td>Max. Arrest Force: (lbs.)<br/>Class A &amp; B &lt; 1,800 lbs.</td> <td style="text-align: center;">916</td> <td style="text-align: center;">1009</td> <td style="text-align: center;">977</td> </tr> <tr> <td>Avg Arrest Force (lbs.):<br/>Class A &lt;1,350 lbs.<br/>Class B &lt; 900 lbs.</td> <td style="text-align: center;">788</td> <td style="text-align: center;">781</td> <td style="text-align: center;">789</td> </tr> <tr> <td>Distance Initial (in): D1</td> <td style="text-align: center;">54</td> <td style="text-align: center;">54</td> <td style="text-align: center;">54</td> </tr> <tr> <td>Distance Final (in): D2</td> <td style="text-align: center;">66</td> <td style="text-align: center;">72</td> <td style="text-align: center;">67</td> </tr> <tr> <td>Arrest Distance (in): D2-D1<br/>Class A &lt; 24-inches<br/>Class B &lt; 54-inches</td> <td style="text-align: center;">12</td> <td style="text-align: center;">18</td> <td style="text-align: center;">13</td> </tr> </tbody> </table>  |   |                 |                 |                 |             |  | Sample:<br>4                      | Sample:<br>5    | Sample:<br>6    | Conditioning in: (2 hrs min) | 24 Hr.                 | 24 Hr. | 24 Hr. | SN or ID: | 4   | 5                            | 6 | Payout and retract the line per 3.1.6 following test | YES | YES | YES                   | Lock function shall operate per 3.1.2 | YES | YES | YES | Visual indicator shall activate | YES | YES | YES | Max. Arrest Force: (lbs.)<br>Class A & B < 1,800 lbs. | 916                   | 1009 | 977 | Avg Arrest Force (lbs.):<br>Class A <1,350 lbs.<br>Class B < 900 lbs. | 788 | 781                          | 789 | Distance Initial (in): D1 | 54 | 54 | 54                    | Distance Final (in): D2 | 66  | 72  | 67  | Arrest Distance (in): D2-D1<br>Class A < 24-inches<br>Class B < 54-inches | 12 | 18 | 13 |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
|   | Sample:<br>4  | Sample:<br>5    | Sample:<br>6    |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Conditioning in: (2 hrs min)  | 24 Hr.  | 24 Hr.          | 24 Hr.          |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| SN or ID:   | 4   | 5               | 6               |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Payout and retract the line per 3.1.6 following test  | YES   | YES             | YES             |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Lock function shall operate per 3.1.2   | YES   | YES             | YES             |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Visual indicator shall activate   | YES   | YES             | YES             |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Max. Arrest Force: (lbs.)<br>Class A & B < 1,800 lbs.   | 916   | 1009            | 977             |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Avg Arrest Force (lbs.):<br>Class A <1,350 lbs.<br>Class B < 900 lbs.   | 788   | 781             | 789             |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Distance Initial (in): D1   | 54  | 54              | 54              |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Distance Final (in): D2   | 66  | 72              | 67              |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Arrest Distance (in): D2-D1<br>Class A < 24-inches<br>Class B < 54-inches   | 12  | 18              | 13              |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Line<br/>Extension<br/>( in or ft )</th> <th style="text-align: center;">Sample:<br/>(#4)</th> <th style="text-align: center;">Sample:<br/>(#5)</th> <th style="text-align: center;">Sample:<br/>(#6)</th> </tr> </thead> <tbody> <tr> <td>(1) Force (lbs) @ 1 ft</td> <td style="text-align: center;">1'</td> <td style="text-align: center;">2.5</td> <td style="text-align: center;">2.3</td> <td style="text-align: center;">3.0</td> </tr> <tr> <td colspan="5" style="background-color: #D3D3D3;">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(2) Force (lbs) @ 20%</td> <td style="text-align: center;">2'</td> <td style="text-align: center;">3.2</td> <td style="text-align: center;">3.1</td> <td style="text-align: center;">4.5</td> </tr> <tr> <td colspan="5" style="background-color: #D3D3D3;">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(3) Force (lbs) @ 40%</td> <td style="text-align: center;">3'</td> <td style="text-align: center;">4.3</td> <td style="text-align: center;">3.9</td> <td style="text-align: center;">5.1</td> </tr> <tr> <td colspan="5" style="background-color: #D3D3D3;">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(4) Force (lbs) @ 60%</td> <td style="text-align: center;">4'</td> <td style="text-align: center;">5.9</td> <td style="text-align: center;">6.5</td> <td style="text-align: center;">5.9</td> </tr> <tr> <td colspan="5" style="background-color: #D3D3D3;">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(5) Force (lbs) @ 80%</td> <td style="text-align: center;">5'</td> <td style="text-align: center;">7.0</td> <td style="text-align: center;">7.1</td> <td style="text-align: center;">7.2</td> </tr> <tr> <td colspan="5" style="background-color: #D3D3D3;">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(6) Force (lbs) @ 100%</td> <td style="text-align: center;">6'</td> <td style="text-align: center;">7.1</td> <td style="text-align: center;">8.4</td> <td style="text-align: center;">7.9</td> </tr> <tr> <td colspan="5" style="background-color: #D3D3D3;">Retracted length &lt; 24-inches</td> </tr> </tbody> </table> |   |                 |                 |                 |             |  | Line<br>Extension<br>( in or ft ) | Sample:<br>(#4) | Sample:<br>(#5) | Sample:<br>(#6)              | (1) Force (lbs) @ 1 ft | 1'     | 2.5    | 2.3       | 3.0 | Retracted length < 24-inches |   |  |     |     | (2) Force (lbs) @ 20% | 2'                                    | 3.2 | 3.1 | 4.5 | Retracted length < 24-inches    |     |     |     |   | (3) Force (lbs) @ 40% | 3'   | 4.3 | 3.9   | 5.1 | Retracted length < 24-inches |     |                           |    |    | (4) Force (lbs) @ 60% | 4'                      | 5.9 | 6.5 | 5.9 | Retracted length < 24-inches  |    |    |    |  | (5) Force (lbs) @ 80% | 5' | 7.0 | 7.1 | 7.2 | Retracted length < 24-inches |  |  |  |  | (6) Force (lbs) @ 100% | 6' | 7.1 | 8.4 | 7.9 | Retracted length < 24-inches |  |  |  |  |
|   | Line<br>Extension<br>( in or ft )   | Sample:<br>(#4) | Sample:<br>(#5) | Sample:<br>(#6) |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| (1) Force (lbs) @ 1 ft  | 1'  | 2.5             | 2.3             | 3.0             |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Retracted length < 24-inches  |   |                 |                 |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| (2) Force (lbs) @ 20%   | 2'  | 3.2             | 3.1             | 4.5             |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Retracted length < 24-inches  |   |                 |                 |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| (3) Force (lbs) @ 40%   | 3'  | 4.3             | 3.9             | 5.1             |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Retracted length < 24-inches  |   |                 |                 |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| (4) Force (lbs) @ 60%   | 4'  | 5.9             | 6.5             | 5.9             |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Retracted length < 24-inches  |   |                 |                 |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| (5) Force (lbs) @ 80%   | 5'  | 7.0             | 7.1             | 7.2             |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Retracted length < 24-inches  |   |                 |                 |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| (6) Force (lbs) @ 100%  | 6'  | 7.1             | 8.4             | 7.9             |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |
| Retracted length < 24-inches  |   |                 |                 |                 |             |  |                                   |                 |                 |                              |                        |        |        |           |     |                              |   |  |     |     |                       |                                       |     |     |     |                                 |     |     |     |   |                       |      |     |   |     |                              |     |                           |    |    |                       |                         |     |     |     |   |    |    |    |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |

| Section (Test)  | Requirement  | Results   | Compliance      |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
|---|--|---|-----------------|-----------------|--------------|--------------|------------------------------|---|---|---|-----------|---|---|---|--|-----|-----|-----|---------------------------------------|-----|-----|-----|---------------------------------|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---------------------------|----|----|----|-------------------------|----|----|----|---|----|----|----|--|--------------------------------|-----------------|-----------------|-----------------|------------------------|----|-----|-----|-----|------------------------------|--|--|--|--|-----------------------|----|-----|-----|-----|------------------------------|--|--|--|--|-----------------------|----|-----|-----|-----|------------------------------|--|--|--|--|-----------------------|----|-----|-----|-----|------------------------------|--|--|--|--|-----------------------|----|-----|-----|-----|------------------------------|--|--|--|--|------------------------|----|-----|-----|-----|------------------------------|--|--|--|--|------|
| 3.1.9<br>(4.2.8.1<br>)  | <p><b>Dynamic Performance: "HEAT"</b></p> <ol style="list-style-type: none"> <li>connect 282 lb. weight</li> <li>extract enough line for a 36-inch free fall per Fig 5 in Test Standard.</li> <li>release the test weight</li> <li>test within 90 seconds of removing from conditioning</li> </ol> | <table border="1"> <thead> <tr> <th>54 C, 85% RH</th> <th>Sample:<br/>7</th> <th>Sample:<br/>8</th> <th>Sample:<br/>9</th> </tr> </thead> <tbody> <tr> <td>Conditioning in: (2 hrs min)</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>SN or ID:</td> <td>7</td> <td>8</td> <td>9</td> </tr> <tr> <td>Payout and retract the line per 3.1.6 following test</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Lock function shall operate per 3.1.2</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Visual indicator shall activate</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Max. Arrest Force: (lbs.)<br/>Class A &amp; B &lt; 1,800 lbs.</td> <td>862</td> <td>864</td> <td>943</td> </tr> <tr> <td>Avg Arrest Force (lbs.):<br/>Class A &lt;1,350 lbs.<br/>Class B &lt; 900 lbs.</td> <td>719</td> <td>718</td> <td>743</td> </tr> <tr> <td>Distance Initial (in): D1</td> <td>54</td> <td>54</td> <td>54</td> </tr> <tr> <td>Distance Final (in): D2</td> <td>71</td> <td>68</td> <td>72</td> </tr> <tr> <td>Arrest Distance (in): D2-D1<br/>Class A &lt; 24-inches<br/>Class B &lt; 54-inches</td> <td>17</td> <td>14</td> <td>18</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th></th> <th>Line Extension<br/>( in or ft )</th> <th>Sample:<br/>(#7)</th> <th>Sample:<br/>(#8)</th> <th>Sample:<br/>(#9)</th> </tr> </thead> <tbody> <tr> <td>(1) Force (lbs) @ 1 ft</td> <td>1'</td> <td>2.3</td> <td>2.4</td> <td>2.0</td> </tr> <tr> <td colspan="5">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(2) Force (lbs) @ 20%</td> <td>2'</td> <td>2.4</td> <td>3.3</td> <td>3.1</td> </tr> <tr> <td colspan="5">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(3) Force (lbs) @ 40%</td> <td>3'</td> <td>4.5</td> <td>4.3</td> <td>3.8</td> </tr> <tr> <td colspan="5">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(4) Force (lbs) @ 60%</td> <td>4'</td> <td>5.6</td> <td>5.9</td> <td>5.0</td> </tr> <tr> <td colspan="5">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(5) Force (lbs) @ 80%</td> <td>5'</td> <td>5.9</td> <td>6.6</td> <td>7.0</td> </tr> <tr> <td colspan="5">Retracted length &lt; 24-inches</td> </tr> <tr> <td>(6) Force (lbs) @ 100%</td> <td>6'</td> <td>6.8</td> <td>6.8</td> <td>7.7</td> </tr> <tr> <td colspan="5">Retracted length &lt; 24-inches</td> </tr> </tbody> </table> | 54 C, 85% RH    | Sample:<br>7    | Sample:<br>8 | Sample:<br>9 | Conditioning in: (2 hrs min) | 3 | 3 | 3 | SN or ID: | 7 | 8 | 9 | Payout and retract the line per 3.1.6 following test | YES | YES | YES | Lock function shall operate per 3.1.2 | YES | YES | YES | Visual indicator shall activate | YES | YES | YES | Max. Arrest Force: (lbs.)<br>Class A & B < 1,800 lbs. | 862 | 864 | 943 | Avg Arrest Force (lbs.):<br>Class A <1,350 lbs.<br>Class B < 900 lbs. | 719 | 718 | 743 | Distance Initial (in): D1 | 54 | 54 | 54 | Distance Final (in): D2 | 71 | 68 | 72 | Arrest Distance (in): D2-D1<br>Class A < 24-inches<br>Class B < 54-inches | 17 | 14 | 18 |  | Line Extension<br>( in or ft ) | Sample:<br>(#7) | Sample:<br>(#8) | Sample:<br>(#9) | (1) Force (lbs) @ 1 ft | 1' | 2.3 | 2.4 | 2.0 | Retracted length < 24-inches |  |  |  |  | (2) Force (lbs) @ 20% | 2' | 2.4 | 3.3 | 3.1 | Retracted length < 24-inches |  |  |  |  | (3) Force (lbs) @ 40% | 3' | 4.5 | 4.3 | 3.8 | Retracted length < 24-inches |  |  |  |  | (4) Force (lbs) @ 60% | 4' | 5.6 | 5.9 | 5.0 | Retracted length < 24-inches |  |  |  |  | (5) Force (lbs) @ 80% | 5' | 5.9 | 6.6 | 7.0 | Retracted length < 24-inches |  |  |  |  | (6) Force (lbs) @ 100% | 6' | 6.8 | 6.8 | 7.7 | Retracted length < 24-inches |  |  |  |  | PASS |
| 54 C, 85% RH  | Sample:<br>7   | Sample:<br>8  | Sample:<br>9    |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Conditioning in: (2 hrs min)  | 3  | 3   | 3               |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| SN or ID:   | 7  | 8   | 9               |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Payout and retract the line per 3.1.6 following test                      | YES  | YES   | YES             |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Lock function shall operate per 3.1.2                                     | YES  | YES   | YES             |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Visual indicator shall activate   | YES  | YES   | YES             |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Max. Arrest Force: (lbs.)<br>Class A & B < 1,800 lbs.                     | 862  | 864   | 943             |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Avg Arrest Force (lbs.):<br>Class A <1,350 lbs.<br>Class B < 900 lbs.     | 719  | 718   | 743             |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Distance Initial (in): D1   | 54   | 54  | 54              |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Distance Final (in): D2   | 71   | 68  | 72              |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Arrest Distance (in): D2-D1<br>Class A < 24-inches<br>Class B < 54-inches | 17   | 14  | 18              |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
|   | Line Extension<br>( in or ft )   | Sample:<br>(#7)   | Sample:<br>(#8) | Sample:<br>(#9) |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| (1) Force (lbs) @ 1 ft  | 1'   | 2.3   | 2.4             | 2.0             |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Retracted length < 24-inches  |  |   |                 |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| (2) Force (lbs) @ 20%   | 2'   | 2.4   | 3.3             | 3.1             |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Retracted length < 24-inches  |  |   |                 |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| (3) Force (lbs) @ 40%   | 3'   | 4.5   | 4.3             | 3.8             |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Retracted length < 24-inches  |  |   |                 |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| (4) Force (lbs) @ 60%   | 4'   | 5.6   | 5.9             | 5.0             |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Retracted length < 24-inches  |  |   |                 |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| (5) Force (lbs) @ 80%   | 5'   | 5.9   | 6.6             | 7.0             |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Retracted length < 24-inches  |  |   |                 |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| (6) Force (lbs) @ 100%  | 6'   | 6.8   | 6.8             | 7.7             |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |
| Retracted length < 24-inches  |  |   |                 |                 |              |              |                              |   |   |   |           |   |   |   |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                 |                 |                 |                        |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                       |    |     |     |     |                              |  |  |  |  |                        |    |     |     |     |                              |  |  |  |  |      |

| Section (Test)               | Requirement  | Results                        |                  |                  | Compliance  |                  |  |
|------------------------------|--|--------------------------------|------------------|------------------|-------------|------------------|--|
| 3.1.9<br>(4.2.8.2<br>)       | <b>Dynamic Performance: "COLD"</b>   |                                |                  |                  | <b>PASS</b> |                  |  |
|                              | <ol style="list-style-type: none"> <li>1. connect 282 lb. weight</li> <li>2. extract enough line for a 36-inch free fall per Fig 5 in Test Standard.</li> <li>3. release the test weight</li> <li>4. test within 90 seconds of removing from conditioning</li> </ol> |                                |                  |                  |             |                  |  |
|                              | -40 C  | Sample:<br>10                  | Sample:<br>11    | Sample:<br>12    |             |                  |  |
|                              | Conditioning in: (2 hrs min)   | 2                              | 2                | 2                |             |                  |  |
|                              | SN or ID:  | 10                             | 11               | 12               |             |                  |  |
|                              | Payout and retract the line per 3.1.6 following test   | YES                            | YES              | YES              |             |                  |  |
|                              | Lock function shall operate per 3.1.2  | YES                            | YES              | YES              |             |                  |  |
|                              | Visual indicator shall activate  | YES                            | YES              | YES              |             |                  |  |
|                              | Max. Arrest Force: (lbs.)<br>Class A & B < 1,800 lbs.  | 1100                           | 1094             | 1142             |             |                  |  |
|                              | Avg Arrest Force (lbs.):<br>Class A <1,350 lbs.<br>Class B < 900 lbs.  | 844                            | 907              | 93               |             |                  |  |
|                              | Distance Initial (in): D1  | 54                             | 54               | 54               |             |                  |  |
|                              | Distance Final (in): D2  | 68                             | 69               | 68               |             |                  |  |
|                              | Arrest Distance (in): D2-D1<br>Class A < 24-inches<br>Class B < 54-inches  | 14                             | 15               | 14               |             |                  |  |
|                              |  | Line Extension<br>( in or ft ) | Sample:<br>(#10) | Sample:<br>(#11) |             | Sample:<br>(#12) |  |
|                              | (1) Force (lbs) @ 1 ft   | 1'                             | 3.2              | 3.0              |             | 3.3              |  |
|                              | Retracted length < 24-inches   |                                | N/A              | N/A              |             | N/A              |  |
|                              | (2) Force (lbs) @ 20%  | 2'                             | 3.8              | 3.7              |             | 4.1              |  |
|                              | Retracted length < 24-inches   |                                | N/A              | N/A              |             | N/A              |  |
|                              | (3) Force (lbs) @ 40%  | 3'                             | 5.0              | 4.9              |             | 5.5              |  |
|                              | Retracted length < 24-inches   |                                | N/A              | N/A              |             | N/A              |  |
| (4) Force (lbs) @ 60%        | 4'   | 6.1                            | 5.2              | 6.3              |             |                  |  |
| Retracted length < 24-inches |  | N/A                            | N/A              | N/A              |             |                  |  |
| (5) Force (lbs) @ 80%        | 5'   | 6.9                            | 6.8              | 7.2              |             |                  |  |
| Retracted length < 24-inches |  | N/A                            | N/A              | N/A              |             |                  |  |
| (6) Force (lbs) @ 100%       | 6'   | 8.6                            | 7.9              | 8.0              |             |                  |  |
| Retracted length < 24-inches |  | N/A                            | N/A              | N/A              |             |                  |  |



| Section (Test)  | Requirement   | Results  | Compliance       |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
|---|---|--|------------------|------------------|---------------|---------------|------------------------------|---|---|---|-----------|----|----|----|--|-----|-----|-----|---------------------------------------|-----|-----|-----|---------------------------------|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---------------------------|----|----|----|-------------------------|----|----|----|---|----|----|----|--|--------------------------------|------------------|------------------|------------------|------------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|------------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|------|
| 3.1.9<br>(4.2.8.3<br>)  | <p><b>Dynamic Performance: "WET"</b></p> <ol style="list-style-type: none"> <li>connect 282 lb. weight</li> <li>extract enough line for a 36-inch free fall per Fig 5 in Test Standard.</li> <li>release the test weight</li> <li>test within 90 seconds of removing from conditioning</li> </ol> | <table border="1"> <thead> <tr> <th></th> <th>Sample:<br/>13</th> <th>Sample:<br/>14</th> <th>Sample:<br/>15</th> </tr> </thead> <tbody> <tr> <td>Conditioning in: (3 hrs min)</td> <td>4</td> <td>4</td> <td>4</td> </tr> <tr> <td>SN or ID:</td> <td>13</td> <td>14</td> <td>15</td> </tr> <tr> <td>Payout and retract the line per 3.1.6 following test</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Lock function shall operate per 3.1.2</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Visual indicator shall activate</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Max. Arrest Force: (lbs.)<br/>Class A &amp; B &lt; 1,800 lbs.</td> <td>898</td> <td>939</td> <td>953</td> </tr> <tr> <td>Avg Arrest Force (lbs.):<br/>Class A &lt;1,350 lbs.<br/>Class B &lt; 900 lbs.</td> <td>789</td> <td>802</td> <td>752</td> </tr> <tr> <td>Distance Initial (in): D1</td> <td>54</td> <td>54</td> <td>54</td> </tr> <tr> <td>Distance Final (in): D2</td> <td>69</td> <td>69</td> <td>66</td> </tr> <tr> <td>Arrest Distance (in): D2-D1<br/>Class A &lt; 24-inches<br/>Class B &lt; 54-inches</td> <td>15</td> <td>15</td> <td>12</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th></th> <th>Line Extension<br/>( in or ft )</th> <th>Sample:<br/>(#13)</th> <th>Sample:<br/>(#14)</th> <th>Sample:<br/>(#15)</th> </tr> </thead> <tbody> <tr> <td>(1) Force (lbs) @ 1 ft</td> <td>1'</td> <td>3.0</td> <td>3.1</td> <td>3.2</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(2) Force (lbs) @ 20%</td> <td>2'</td> <td>4.3</td> <td>4.2</td> <td>3.8</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(3) Force (lbs) @ 40%</td> <td>3'</td> <td>4.8</td> <td>4.8</td> <td>5.3</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(4) Force (lbs) @ 60%</td> <td>4'</td> <td>5.9</td> <td>6.7</td> <td>6.2</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(5) Force (lbs) @ 80%</td> <td>5'</td> <td>7.0</td> <td>7.6</td> <td>7.6</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(6) Force (lbs) @ 100%</td> <td>6'</td> <td>8.2</td> <td>8.0</td> <td>8.3</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> |                  | Sample:<br>13    | Sample:<br>14 | Sample:<br>15 | Conditioning in: (3 hrs min) | 4 | 4 | 4 | SN or ID: | 13 | 14 | 15 | Payout and retract the line per 3.1.6 following test | YES | YES | YES | Lock function shall operate per 3.1.2 | YES | YES | YES | Visual indicator shall activate | YES | YES | YES | Max. Arrest Force: (lbs.)<br>Class A & B < 1,800 lbs. | 898 | 939 | 953 | Avg Arrest Force (lbs.):<br>Class A <1,350 lbs.<br>Class B < 900 lbs. | 789 | 802 | 752 | Distance Initial (in): D1 | 54 | 54 | 54 | Distance Final (in): D2 | 69 | 69 | 66 | Arrest Distance (in): D2-D1<br>Class A < 24-inches<br>Class B < 54-inches | 15 | 15 | 12 |  | Line Extension<br>( in or ft ) | Sample:<br>(#13) | Sample:<br>(#14) | Sample:<br>(#15) | (1) Force (lbs) @ 1 ft | 1' | 3.0 | 3.1 | 3.2 | Retracted length < 24-inches |  | N/A | N/A | N/A | (2) Force (lbs) @ 20% | 2' | 4.3 | 4.2 | 3.8 | Retracted length < 24-inches |  | N/A | N/A | N/A | (3) Force (lbs) @ 40% | 3' | 4.8 | 4.8 | 5.3 | Retracted length < 24-inches |  | N/A | N/A | N/A | (4) Force (lbs) @ 60% | 4' | 5.9 | 6.7 | 6.2 | Retracted length < 24-inches |  | N/A | N/A | N/A | (5) Force (lbs) @ 80% | 5' | 7.0 | 7.6 | 7.6 | Retracted length < 24-inches |  | N/A | N/A | N/A | (6) Force (lbs) @ 100% | 6' | 8.2 | 8.0 | 8.3 | Retracted length < 24-inches |  | N/A | N/A | N/A | PASS |
|   | Sample:<br>13   | Sample:<br>14  | Sample:<br>15    |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Conditioning in: (3 hrs min)  | 4   | 4  | 4                |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| SN or ID:   | 13  | 14   | 15               |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Payout and retract the line per 3.1.6 following test                      | YES   | YES  | YES              |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Lock function shall operate per 3.1.2                                     | YES   | YES  | YES              |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Visual indicator shall activate   | YES   | YES  | YES              |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Max. Arrest Force: (lbs.)<br>Class A & B < 1,800 lbs.                     | 898   | 939  | 953              |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Avg Arrest Force (lbs.):<br>Class A <1,350 lbs.<br>Class B < 900 lbs.     | 789   | 802  | 752              |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Distance Initial (in): D1   | 54  | 54   | 54               |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Distance Final (in): D2   | 69  | 69   | 66               |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Arrest Distance (in): D2-D1<br>Class A < 24-inches<br>Class B < 54-inches | 15  | 15   | 12               |                  |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
|   | Line Extension<br>( in or ft )  | Sample:<br>(#13)   | Sample:<br>(#14) | Sample:<br>(#15) |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| (1) Force (lbs) @ 1 ft  | 1'  | 3.0  | 3.1              | 3.2              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Retracted length < 24-inches  |   | N/A  | N/A              | N/A              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| (2) Force (lbs) @ 20%   | 2'  | 4.3  | 4.2              | 3.8              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Retracted length < 24-inches  |   | N/A  | N/A              | N/A              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| (3) Force (lbs) @ 40%   | 3'  | 4.8  | 4.8              | 5.3              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Retracted length < 24-inches  |   | N/A  | N/A              | N/A              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| (4) Force (lbs) @ 60%   | 4'  | 5.9  | 6.7              | 6.2              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Retracted length < 24-inches  |   | N/A  | N/A              | N/A              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| (5) Force (lbs) @ 80%   | 5'  | 7.0  | 7.6              | 7.6              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Retracted length < 24-inches  |   | N/A  | N/A              | N/A              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| (6) Force (lbs) @ 100%  | 6'  | 8.2  | 8.0              | 8.3              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |
| Retracted length < 24-inches  |   | N/A  | N/A              | N/A              |               |               |                              |   |   |   |           |    |    |    |  |     |     |     |                                       |     |     |     |                                 |     |     |     |   |     |     |     |   |     |     |     |                           |    |    |    |                         |    |    |    |   |    |    |    |  |                                |                  |                  |                  |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |      |

| Section (Test)                    | Requirement  | Results                    | Compliance                 |                            |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
|-----------------------------------|--|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------|-----------------------|------|---------------------|----------------------|-------|-------|-------|-----------------------------------|-------|--|------------------------------|----------------------------------|------|-------------------|-----|------|-----------------------------|---------------|---------------|---------------|------------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|-----------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|------------------------|----|-----|-----|-----|------------------------------|--|-----|-----|-----|--|------|
| 7.4                               | <p><b>Corrosion Resistance</b></p> <p>Subject the samples to <b>96 hours</b> of salt spray per ASTM B117, following the salt spray perform retraction tension, test 3.1.6</p> <table border="1"> <thead> <tr> <th></th> <th>Sample:<br/>3.1.5 Salt (-1)</th> <th>Sample:<br/>3.1.5 Salt (-2)</th> <th>Sample:<br/>3.1.5 Salt (-3)</th> </tr> </thead> <tbody> <tr> <td>SN or ID</td> <td>16</td> <td>17</td> <td>18</td> </tr> <tr> <td>Operate as intended:</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Signs of corrosion (visual only):</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> <tr> <td>Line pay out, retract, and lock:</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th></th> <th>Line Extension ( in or ft )</th> <th>Sample: (#16)</th> <th>Sample: (#17)</th> <th>Sample: (#18)</th> </tr> </thead> <tbody> <tr> <td>(1) Force (lbs) @ 1 ft</td> <td>1'</td> <td>3.3</td> <td>3.1</td> <td>3.1</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(2) Force (lbs) @ 20%</td> <td>2'</td> <td>4.4</td> <td>4.3</td> <td>5.0</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(3) Force (lbs) @ 40%</td> <td>3'</td> <td>5.1</td> <td>4.9</td> <td>6.2</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(4) Force (lbs) @ 60%</td> <td>4'</td> <td>6.6</td> <td>5.3</td> <td>7.6</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(5) Force (lbs) @ 80%</td> <td>5'</td> <td>7.0</td> <td>7.0</td> <td>7.9</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>(6) Force (lbs) @ 100%</td> <td>6'</td> <td>8.5</td> <td>8.8</td> <td>8.1</td> </tr> <tr> <td>Retracted length &lt; 24-inches</td> <td></td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> |                            | Sample:<br>3.1.5 Salt (-1) | Sample:<br>3.1.5 Salt (-2) | Sample:<br>3.1.5 Salt (-3) | SN or ID              | 16                    | 17   | 18                  | Operate as intended: | YES   | YES   | YES   | Signs of corrosion (visual only): | NO    | NO   | NO                           | Line pay out, retract, and lock: | YES  | YES               | YES |      | Line Extension ( in or ft ) | Sample: (#16) | Sample: (#17) | Sample: (#18) | (1) Force (lbs) @ 1 ft | 1' | 3.3 | 3.1 | 3.1 | Retracted length < 24-inches |  | N/A | N/A | N/A | (2) Force (lbs) @ 20% | 2' | 4.4 | 4.3 | 5.0 | Retracted length < 24-inches |  | N/A | N/A | N/A | (3) Force (lbs) @ 40% | 3' | 5.1 | 4.9 | 6.2 | Retracted length < 24-inches |  | N/A | N/A | N/A | (4) Force (lbs) @ 60% | 4' | 6.6 | 5.3 | 7.6 | Retracted length < 24-inches |  | N/A | N/A | N/A | (5) Force (lbs) @ 80% | 5' | 7.0 | 7.0 | 7.9 | Retracted length < 24-inches |  | N/A | N/A | N/A | (6) Force (lbs) @ 100% | 6' | 8.5 | 8.8 | 8.1 | Retracted length < 24-inches |  | N/A | N/A | N/A |  | PASS |
|                                   | Sample:<br>3.1.5 Salt (-1)   | Sample:<br>3.1.5 Salt (-2) | Sample:<br>3.1.5 Salt (-3) |                            |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| SN or ID                          | 16   | 17                         | 18                         |                            |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Operate as intended:              | YES  | YES                        | YES                        |                            |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Signs of corrosion (visual only): | NO   | NO                         | NO                         |                            |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Line pay out, retract, and lock:  | YES  | YES                        | YES                        |                            |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
|                                   | Line Extension ( in or ft )  | Sample: (#16)              | Sample: (#17)              | Sample: (#18)              |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| (1) Force (lbs) @ 1 ft            | 1'   | 3.3                        | 3.1                        | 3.1                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Retracted length < 24-inches      |  | N/A                        | N/A                        | N/A                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| (2) Force (lbs) @ 20%             | 2'   | 4.4                        | 4.3                        | 5.0                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Retracted length < 24-inches      |  | N/A                        | N/A                        | N/A                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| (3) Force (lbs) @ 40%             | 3'   | 5.1                        | 4.9                        | 6.2                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Retracted length < 24-inches      |  | N/A                        | N/A                        | N/A                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| (4) Force (lbs) @ 60%             | 4'   | 6.6                        | 5.3                        | 7.6                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Retracted length < 24-inches      |  | N/A                        | N/A                        | N/A                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| (5) Force (lbs) @ 80%             | 5'   | 7.0                        | 7.0                        | 7.9                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Retracted length < 24-inches      |  | N/A                        | N/A                        | N/A                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| (6) Force (lbs) @ 100%            | 6'   | 8.5                        | 8.8                        | 8.1                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Retracted length < 24-inches      |  | N/A                        | N/A                        | N/A                        |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| 3.3.2                             | <p><b>Webbing (Line Constituent)</b></p> <table border="1"> <thead> <tr> <th>Section 7.1</th> <th>Sample:<br/>3.3.2 (-1)</th> <th>Sample:<br/>3.3.2 (-2)</th> <th>Sample:<br/>3.3.2 (-3)</th> <th>Sample:<br/>3.3.2 (-4)</th> <th>Sample:<br/>3.3.2 (-5)</th> <th>AVG.</th> </tr> </thead> <tbody> <tr> <td>Tensile Load (lbs.)</td> <td>&gt;4500</td> <td>&gt;4500</td> <td>&gt;4500</td> <td>&gt;4500</td> <td>&gt;4500</td> <td>&gt;4500</td> </tr> </tbody> </table> <p>Minimum breaking strength of 4,500 lbs when tested to Section 7.1 (FED-STD-191/4108)</p>   | Section 7.1                | Sample:<br>3.3.2 (-1)      | Sample:<br>3.3.2 (-2)      | Sample:<br>3.3.2 (-3)      | Sample:<br>3.3.2 (-4) | Sample:<br>3.3.2 (-5) | AVG. | Tensile Load (lbs.) | >4500                | >4500 | >4500 | >4500 | >4500                             | >4500 | <table border="1"> <tbody> <tr> <td>Made of Synthetic materials?</td> <td>YES</td> <td>PASS</td> </tr> <tr> <td>Any Restrictions?</td> <td>NO</td> <td>PASS</td> </tr> </tbody> </table> | Made of Synthetic materials? | YES                              | PASS | Any Restrictions? | NO  | PASS | PASS                        |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Section 7.1                       | Sample:<br>3.3.2 (-1)  | Sample:<br>3.3.2 (-2)      | Sample:<br>3.3.2 (-3)      | Sample:<br>3.3.2 (-4)      | Sample:<br>3.3.2 (-5)      | AVG.                  |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Tensile Load (lbs.)               | >4500  | >4500                      | >4500                      | >4500                      | >4500                      | >4500                 |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Made of Synthetic materials?      | YES  | PASS                       |                            |                            |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |
| Any Restrictions?                 | NO   | PASS                       |                            |                            |                            |                       |                       |      |                     |                      |       |       |       |                                   |       |  |                              |                                  |      |                   |     |      |                             |               |               |               |                        |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                       |    |     |     |     |                              |  |     |     |     |                        |    |     |     |     |                              |  |     |     |     |  |      |

| Section (Test)  | Requirement  | Results | Compliance |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
|---|--|---------|------------|----------|-----|----|----|-----------------------------------|--|---|--|--|---------------------|--|---|--|--|-----------------------------|--|---|--|--|----------------|--|---|--|--|------------------|--|---|--|--|---------------------------|--|---|--|--|-------------------------------------|--|---|--|--|---|--|---|--|--|---|--|---|--|--|---|--|---|--|--|----------------------------|--|---|--|--|---|--|---|--|--|--------------------|--|---|--|--|---------------------------|--|---|--|--|---|--|---|--|--|-------------------------------|--|---|--|--|---|--|---|--|--|-----------------|--|---|--|--|---|--|--|--|---|--------------------------------|--|--|--|---|---|--|--|--|---|------|
| 5   | "Marking and Instructions"   |         |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| 5.1.1   | Shall be in English  |         | PASS       |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| 5.1.3   | Self-Retracting Devices shall be marked with the following: <table border="1" data-bbox="293 653 1349 1556"> <thead> <tr> <th>Marking</th> <th>Comments</th> <th>YES</th> <th>NO</th> <th>NA</th> </tr> </thead> <tbody> <tr> <td>Part number and model designation</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Year of manufacture</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Manufacturer's name or logo</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Capacity Range</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Unique ID Number</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Standard Number (Z359.14)</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>How to inspect the visual indicator</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Warning to follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Warning of the need for inspection in accordance with the manufacturer's instructions</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>The fiber or other materials used in the lanyard construction</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>The lanyard working length</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Average arresting force for the SRD class</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Arresting distance</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Proper installation means</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Warning on the need for testing the device for locking and retraction before each use</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>SRD class and arrest distance</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Warning of the need to avoid lanyard contact with sharp edges and abrasive surfaces (not required for LE devices)</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Free fall limit</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Suitability for use with horizontal lifelines</td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>Suitability for horizontal use</td> <td></td> <td></td> <td></td> <td>X</td> </tr> <tr> <td>Suitability for Leading Edge capability</td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> |         | Marking    | Comments | YES | NO | NA | Part number and model designation |  | X |  |  | Year of manufacture |  | X |  |  | Manufacturer's name or logo |  | X |  |  | Capacity Range |  | X |  |  | Unique ID Number |  | X |  |  | Standard Number (Z359.14) |  | X |  |  | How to inspect the visual indicator |  | X |  |  | Warning to follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer |  | X |  |  | Warning of the need for inspection in accordance with the manufacturer's instructions |  | X |  |  | The fiber or other materials used in the lanyard construction |  | X |  |  | The lanyard working length |  | X |  |  | Average arresting force for the SRD class |  | X |  |  | Arresting distance |  | X |  |  | Proper installation means |  | X |  |  | Warning on the need for testing the device for locking and retraction before each use |  | X |  |  | SRD class and arrest distance |  | X |  |  | Warning of the need to avoid lanyard contact with sharp edges and abrasive surfaces (not required for LE devices) |  | X |  |  | Free fall limit |  | X |  |  | Suitability for use with horizontal lifelines |  |  |  | X | Suitability for horizontal use |  |  |  | X | Suitability for Leading Edge capability |  |  |  | X | PASS |
| Marking   | Comments   | YES     | NO         | NA       |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Part number and model designation   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Year of manufacture   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Manufacturer's name or logo   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Capacity Range  |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Unique ID Number  |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Standard Number (Z359.14)   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| How to inspect the visual indicator   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Warning to follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Warning of the need for inspection in accordance with the manufacturer's instructions                                   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| The fiber or other materials used in the lanyard construction   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| The lanyard working length  |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Average arresting force for the SRD class   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Arresting distance  |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Proper installation means   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Warning on the need for testing the device for locking and retraction before each use                                   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| SRD class and arrest distance   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Warning of the need to avoid lanyard contact with sharp edges and abrasive surfaces (not required for LE devices)       |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Free fall limit   |  | X       |            |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Suitability for use with horizontal lifelines   |  |         |            | X        |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Suitability for horizontal use  |  |         |            | X        |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| Suitability for Leading Edge capability   |  |         |            | X        |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |
| 5.2.1   | Instructions shall be in English, and affixed to the equipment at time of shipment from the manufacturer   |         | PASS       |          |     |    |    |                                   |  |   |  |  |                     |  |   |  |  |                             |  |   |  |  |                |  |   |  |  |                  |  |   |  |  |                           |  |   |  |  |                                     |  |   |  |  |   |  |   |  |  |   |  |   |  |  |   |  |   |  |  |                            |  |   |  |  |   |  |   |  |  |                    |  |   |  |  |                           |  |   |  |  |   |  |   |  |  |                               |  |   |  |  |   |  |   |  |  |                 |  |   |  |  |   |  |  |  |   |                                |  |  |  |   |   |  |  |  |   |      |

| Section (Test)  | Requirement   | Results  |     |    |    | Compliance  |
|---|---|----------|-----|----|----|-------------|
| 5.2.2   | Instructions shall contain the following information:   |          |     |    |    | <b>PASS</b> |
|   | Instructions  | Comments | YES | NO | NA |             |
|   | A statement that the manufacturer’s instructions shall be provided to the users   |          | X   |    |    |             |
|   | Manufacturers name, address, and telephone number   |          | X   |    |    |             |
|   | Manufacturer’s part number and model designation for the equipment  |          | X   |    |    |             |
|   | Intended use and purpose of the equipment   |          | X   |    |    |             |
|   | Proper method of use and limitations on use of the equipment  |          | X   |    |    |             |
|   | Illustrations showing locations of markings on the equipment  |          | X   |    |    |             |
|   | Reproduction of printed information on all markings   |          | X   |    |    |             |
|   | Inspection procedures required to assure the equipment is in serviceable condition and operating correctly  |          | X   |    |    |             |
|   | Anchorage requirements  |          | X   |    |    |             |
|   | Criteria for discarding equipment which fails inspection  |          | X   |    |    |             |
|   | Procedures for cleaning, maintenance, and storage   |          | X   |    |    |             |
|   | Reference to Z359 standards   |          | X   |    |    |             |
|   | Proper installation means and limitations on the type of anchorage connectors used  |          | X   |    |    |             |
|   | The fiber or other materials used in the lanyard construction   |          | X   |    |    |             |
|   | The lanyard length  |          | X   |    |    |             |
| The average arresting force when dynamically tested in accordance with the requirements of the standard   |   | X        |     |    |    |             |
| SRD class and arrest distance when dynamically tested in accordance with the requirements of the standard |   | X        |     |    |    |             |
| How to determine fall clearance   |   | X        |     |    |    |             |
| Testing the device for locking before each use  |   | X        |     |    |    |             |
| 5.2.3   | Instructions shall require that only the equipment manufacturer , or persons or entities authorized in writing by the manufacturer, shall make repairs to the equipment |          |     |    |    | <b>PASS</b> |
| 5.2.4   | Instructions shall require the user to remove equipment from service if it has been subjected to the forces of arresting a fall or affecting a rescue                   |          |     |    |    | <b>PASS</b> |
| 5.2.5   | Instructions shall require the user to have a written rescue plan and the means at hand to implement it when using the equipment  |          |     |    |    | <b>PASS</b> |

| Section (Test) | Requirement  | Results  |     |    |    | Compliance |
|----------------|--|----------|-----|----|----|------------|
| 5.2.6          | Instructions shall provide warnings regarding:   |          |     |    |    | PASS       |
|                | Warnings   | Comments | YES | NO | NA |            |
|                | Altering the equipment   |          | X   |    |    |            |
|                | Misusing the equipment   |          | X   |    |    |            |
|                | Using combinations of components or sub-systems, or both, which may affect or interfere with the safe function of each other   |          | X   |    |    |            |
|                | Exposing the equipment to chemicals, high heat, severe cold, or other harsh environments which may produce a harmful effect and to consult the manufacturer in case of doubt |          | X   |    |    |            |
|                | Using the equipment around moving machinery and electrical hazards   |          | X   |    |    |            |
|                | Using the equipment near sharp edges or abrasive surfaces  |          | X   |    |    |            |
|                | Risk of striking an object or obstruction during a swing fall  |          | X   |    |    |            |
|                | That the consequences of improperly using the device, not following instructions or markings may cause serious injury or death   |          | X   |    |    |            |

**SECTION 5**  
**REVISION HISTORY**

| REPORT NUMBER     | DATE OF REVISION | DESCRIPTION OF CHANGE:           | PROJECT OWNER   | REVIEWED BY     |
|-------------------|------------------|----------------------------------|-----------------|-----------------|
| 104032569CRT-001a | 9/27/19          | Original Report                  | Matthew Stevens | Andrew Rulison  |
| 104354142CRT-001  | 6/23/20          | Markings/Instructions Evaluation | Theodore Brown  | Matthew Stevens |