

# DAMMON ENGINEERING, INC.

dammonengineering.com

CONSULTING

DESIGN

STUDIES

EXPERT WITNESS

554 Old Spanish Trail  
Slidell, LA 70458

P.O. Box 2830

985-649-5832  
FAX 985-641-5950

August 10, 2015

John Kendrick  
Textron Marine & Land  
Environmental Health and Safety  
252 Stone Road  
Slidell, LA 70458

RE: Safety Harness Support system Calculations

Dear John,

Dammon Engineering was contacted to determine the method of attachment for Fall Protection safety Harness devices at Textron's Stone Road facility in Slidell. This facility consists of one large building with a low bay side and a high bay side. This support system shall not be used to support anything other than workers on a safety harness. Do not use the support system for any type of equipment or material handling. Install two cable clamps at each end of the cable for safety. All calculations were based the assumption that each person, with gear, being supported weighed 250 pounds.

### Low Bay:

The proposed system was analyzed to support either 2 or 3 persons between spans.

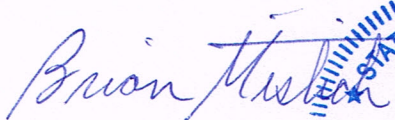
- The cable shall be installed directly over the middle of the vehicle(s) being serviced.
- The cable tie shall be installed on the upper ½ portion of the beam.
- The cable shall be a minimum of 6x19 wire rope with a diameter of ½ " to support 2 persons or ¾" to support 3 persons between each span.

### High Bay:

The proposed system was analyzed to support either 2 or 3 persons between spans.

- The cable shall be installed directly over the middle of the vehicle(s) being serviced.
- The cable shall be continuous from the east to west walls and cable ties shall be installed at each intermediate girder to support tension in both directions.
- The cable shall be a minimum of 6x19 wire rope with a diameter of 7/16 " to support 2 persons or 5/8" to support 3 persons between each span.

If you have any questions, or require any additional information, please don't hesitate to call.



Sincerely,  
Brian Mistich, P.E.

