



Date: 20-Sep-23  
Job #: 10317  
Report #: NM23920-02  
PO: n/a

Department Name: Kamloops Fire Department  
Address: 1205 Summit Drive  
Kamloops, BC V2C 5R9  
Canada

What is included in the Lifting Equipment Package.

1. Certificate "Limited Structural"
2. Structural Inspection Report

This inspection is to be performed annually, in accordance with current Provincial Regulations.

We trust this report meets with your present requirements. If you require additional information or if you would like to book your next inspection, please contact our office @ 250-491-4250.

Yours truly,  
**Inter-Mtn. Testing Ltd.**

Ross Muirhead  
President

RM/vb



# Pentagon Engineering

## LIMITED STRUCTURAL CERTIFICATION FORM

This certificate is to be read and completed in conjunction with the Professional Practice Guidelines - Annual Equipment Inspection and Certification in British Columbia. Capitalized and underlined words are defined terms; see the **Defined Terms** section of the guidelines.

<b>Equipment Make:</b>	American La France	<b>Engineering Firm:</b>	Pentagon Engineering
<b>Equipment Model:</b>	P45M-100	<b>Engineer of Record (EOR):</b>	Rob Linder
<b>Serial Number:</b>	0600460	<b>Professional Designation:</b>	Professional Engineer
<b>Unit Number (Optional):</b>	87038	<b>Professional Association:</b>	EGBC
<b>Inspection Plan Reference:</b>	N/A	<b>Certificate Date:</b>	Wednesday, September 20, 2023
<b>Certificate Reference:</b>	10317-001	<b>Certificate Expiry Date:</b>	Friday, September 20, 2024

### ANNUAL STRUCTURAL INSPECTION

I have prepared the referenced Annual Structural Inspection Report in accordance with the Professional Practice Guidelines - Annual Equipment Inspection and Certification in British Columbia and confirm that the information recorded in it is accurate.

Annual Structural Inspection Report Reference: NM23920-02

That report must be read in conjunction with the following statement.

In preparing the Annual Structural Inspection Report, I have:

(check to the left of applicable items. If any items are not checked, the reasons should be explained in the Annual Structural Inspection Report.)

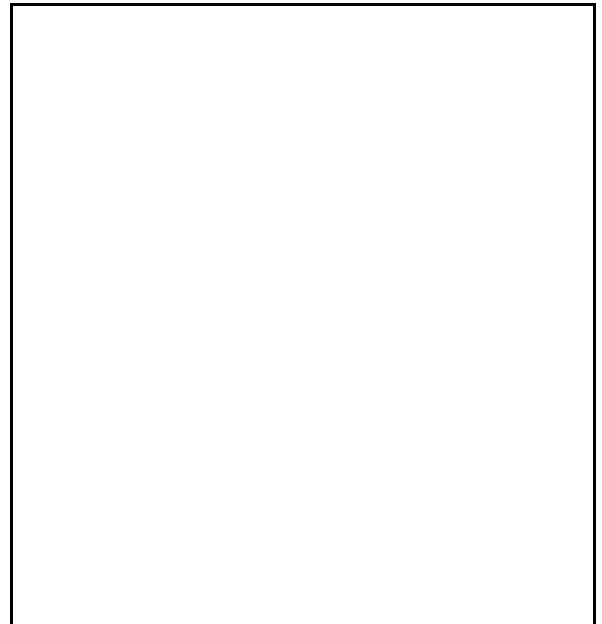
- |     |   |
|-----|---|
| ✓   | 1. Collected and confirmed appropriate background information.  |
| ✓   | 2. Established a written <u>Inspection Plan</u> for the <u>Structural Components</u> of the <u>Equipment</u> , based on this background information.  |
| ✓   | 3. Carried out, or directly supervised, the structural inspection of the <u>Equipment</u> , in accordance with the written <u>Inspection Plan</u> .   |
| ✓   | 4. Confirmed that any required structural repairs or <u>Modifications</u> were completed either following instructions from the <u>Original Equipment Manufacturer</u> or under the direct supervision of a qualified <u>Engineering Professional</u> . |
| n/a | 5. Incorporated recommendations and/or assessments from other Engineering Specialists.  |

### CERTIFICATION

I am a qualified Engineering Professional and I hereby certify that, prior to the expiry date indicated above, the referenced Equipment is Structurally Safe for Use as required by the Occupational Health and Safety Regulations (B.C. Reg 296/97).





This limited structural certificate is being issued in lieu of a "Safe For Use" certificate as not all requirements were met according to WorkSafe BC regulations. Please reach out to your OEM or IMT to determine what further steps are required to complete the certification.

I provide the Certification based on the facts as set out in the referenced inspection reports and the reasonable assumptions and assessments that I have made in accordance with the guidance in the Professional Practice Guidelines - Annual Equipment Inspection and Certification in British Columbia.



CLIENT INFORMATION		Report #	NM23920-02
<b>Client Name:</b>	Kamloops Fire Department	<b>Inspection Date:</b>	September 20, 2023
<b>Work Location:</b>	Kamloops, BC	<b>Time of Inspection:</b>	12:00
AERIAL DEVICE DESCRIPTION			
<b>Item Description:</b>	American La France Aerial Ladder	<b>Governing Standard:</b>	NFPA 1914-10
<b>Manufacturer:</b>	American La France	<b>Platform Capacity:</b>	1000 LBS
<b>Model Number:</b>	P45M-100	<b>Manufacture Date:</b>	n/a
<b>Serial Number:</b>	0600460	<b>Truck Kilometers:</b>	n/a
<b>Unit Number:</b>	87038	<b>Aerial Device Hours:</b>	2108.3

**UNIT OVERALL PHOTO:**


<b>Comments:</b>											
Sticker Applied	Yes	Overall Condition	Good								
<b>Structural Repairs Required?</b>	No	<b>Other Repairs Required for Certification?</b>	No								
<p>This stamp signifies that I am a qualified Engineering Professional and I hereby certify that, for 12 months following the date of this completed inspection, the referenced Equipment is in structurally acceptable condition as per the Governing Standard on Page 1.</p>											
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div> <p>Engineering Firm: P.Eng. Per Pentagon Engineering Ltd. Engineer of Record (EOR): Rob Linder</p> </div> <div>   </div> </div>											
Type of Inspection Performed:	VT	X	MT	X	PT	UT					
<b>Technician:</b>	N. Massong	CGSB:16712									
	Print Name:	Registration No.:									
			Signature:			Reviewed By:					
						<b>Page</b>	<b>1</b>	<b>of</b>	<b>3</b>		

**REPORT CONTINUED..**
**Purpose of Test: Annual "Non-Teardown" Inspection of Accessible Structural Components**

1.0 Structural Inspection		VT	NDT	Repaired	N/A	Comments
<b>Rotation Bearing Mounting Bolts</b>		P=Pass, X=Rejected				
1.1	Rotation Bearing Mounting Bolts - UT				n/a	
<b>Torque Box Mounting to Frame</b>						
1.2	Torque Box Bolts - UT				n/a	
1.3	Torque Box Welds - MT/VT				n/a	
<b>Rotation Gear Reduction Box Mounting</b>						
1.4	Rotation Gear Reduction Box Welds - MT/VT				n/a	
1.5	Rotation Gear Reduction Box Bolts - UT				n/a	
<b>Turntable Structural Components</b>						
1.6	Turntable Structural Welds	P				
<b>Elevation Cylinder Anchor Ears, Plates and Pins</b>						
1.7	Anchor Ears and Attachment Plates - MT/VT	P				
1.8	Anchoring Pins - UT				n/a	
<b>Unit Main Frame</b>						
1.9	Main Frame Structural Welds - MT/VT	P				
<b>Breathing Air Systems</b>						
1.10	Air Cylinder Mounting Brackets - MT/VT	P				
<b>Stabilizer Structural Components Qty: 6</b>						
1.11	Structural welded components - MT/VT	P				
<b>Stabilizer Mounting to Frame or Torque Box</b>						
1.12	Stabilizer mounting weldments - MT/VT	P				
1.13	Stabilizer mounting bolts - UT				n/a	
1.14	Stabilizer Extension Pins/Hinge Pins - UT				n/a	
<b>Aerial Ladder Weldments</b>						
1.15	All Accessible Weldments - MT/VT	P				
1.16	Top Rail Straightness & Misalignment - VT	P				
1.17	Base Rail Straightness & Misalignment - VT	P				
1.18	Rung Condition Assessment - VT	P				
1.19	Folding Step Weldments - MT/VT	P				
<b>Extension Cylinder Anchor Ears, Plates and Pins</b>						
1.20	Anchor Ears and Attachment Plates - MT/VT	P				
1.21	Anchoring Pins - UT				n/a	
<b>2.0 Ultrasonic Inspection</b>		<b>Comments</b>		Unit Type:		
				Serial #:		
				Cal Due Date:		
				Probe Serial #:		

**ADDITIONAL COMMENTS****Limitation of Liability**

Inter-Mtn. Testing Ltd. (IMT) has prepared this Report solely for the confidential use of the client named above, and for no other purpose. This report is based on the condition of the accessible components of the equipment or property tested at the time of this inspection and does not include an opinion on the condition of this equipment or property at any time subsequent to the testing. IMT does not warrant the future condition of the equipment or property. Any and all claims you may have against IMT, its professional staff and employees arising out of all services referred to herein shall be regarded as one Claim to which our liability to you shall be limited to the lesser amount of \$5,000 or the amount of liability insurance available to IMT to respond to the Claim. You will not bring any proceedings in any court of any jurisdiction advancing any claim against our professional staff and employees in their personal capacity. No Claim may be brought against IMT in contract or tort more than two (2) years after the delivery of this Report. IMT makes no representations of any kind to any other person in respect of the subject matter of this Report. Accordingly, IMT will accept no responsibility for the use or reliance upon any statement in this Report by any other person.

**CONTINUATION:**

**Item 1:**

Front stabalizers.



**Item 2:**

Photo

**Item 3:**

Photo

**Item 4:**

Photo