ATTACHMENT 4: SUSTAINMENT AND EMBEDDED PARTS LIST

SOLICITATION NUMBER: FA910126QB069
PROJECT TITLE: Shuttlelift SL200II Gantry Crane Procurement & Sustainment Program

1.0 Overview & Purpose

This attachment is incorporated into the resulting contract to meet the subject project in accordance with **DFARS 252.211-7003(c)(1)(iii)**. It establishes the definitive list of high-value subassemblies, embedded components, warranted parts, and critical spares that must be individually marked with a machine-readable 2D Data Matrix Unique Item Identifier (UII) label and registered in the DoD Item Unique Identification (IUID) Registry.

The primary objectives of this list are:

1. **Warranty Lifecycle Tracking:** Ensuring the standard 2-year comprehensive warranty is tracked at the component level.
2. **Sustainment Asset Management:** Enabling the 846th Test Squadron (846 TS) to track major maintenance and repair actions (including "Over and Above Work" under DFARS 252.217-7028) against specific, serialized components.
3. **Operational Readiness:** Guaranteeing rapid verification and configuration control during Just-in-Time (JIT) spares deliveries under CLIN 0002.

2.0 Parent End Item Identification

The primary parent asset requiring marking and registration under **DFARS 252.211-7003(c)(1)(i)** is:

- **CLIN 0001 Asset Description:** One (1) Brand-Name Shuttlelift SL200II Gantry Crane (180+ Ton Capacity)
- **Parent Unique Item Identifier (UII):** To be assigned by the contractor (Enterprise Identifier + Serial Number)
- **Marking Standard:** Physical, weather-resistant, stainless steel metal photo plate permanently affixed to the primary structural frame in a highly visible, non-abrasive location (e.g., inside the operator cab door frame).

3.0 Subassemblies, Embedded Components, and Warranted Parts List

The following table identifies the specific embedded components and subassemblies within the parent crane asset (CLIN 0001) that require individual, unique serialization, physical IUID marking, and warranty registration.

Item No.	Component/ Subassembly Description	Parent Item	Mandatory Marking Reason	Warranty Period	Physical Placement of UII Tag
3.1	**Custom Spreader Bar Assembly** (complete with load equalizers matching HHSTT target configurations)	CLIN 0001	Unit Cost $\geq \$5{,}000$ & Warranted Item	2 Years	Directly adjacent to the OEM-certified data plate listing maximum load limit and serial number.
3.2	**Slew Bearing Assembly** (precision steering control gear ring)	CLIN 0001	Critical, High-Value Steering Component	2 Years	On the outer non-rotating housing of the slewing ring.
3.3	**Dual-Range Hoist Drum Assemblies** (left and right winch gearboxes and motors)	CLIN 0001	Major Mechanical Powertrain Component	2 Years	Affixed directly to each of the low-mounted hoist gearbox housings.
3.4	**AWS/AWD Hydrostatic Drive Pumps** (closed-loop hydraulic pumps)	CLIN 0001	High-Value Hydraulic Component	2 Years	Affixed to the main pump housing block inside the engine/hydraulic compartment.
3.5	**Wireless Remote Control Transmitter** (handheld primary operator	CLIN 0001	High-Value, High-Risk Electronic Spare	2 Years	Engraved or permanently labeled on the back of the controller

	controller)				chassis.
3.6	**Operator Cab HVAC Unit** (heavy-duty heating and air conditioning unit)	CLIN 0001	Weather-Sealed Climate Control Component	2 Years	Affixed to the compressor frame housing.
3.7	**AWS Wheel Frame Steering Cylinders** (all-wheel steering hydraulic actuators)	CLIN 0001	High-Value Steering Component	2 Years	On each cylinder barrel, positioned to prevent mechanical abrasion during travel.

4.0 Spares, Accessories, and Consumables (CLIN 0002)

The following table outlines the IUID and warranty tracking requirements for individual parts and spares ordered on-demand under the **5-Year Continuous Just-in-Time (JIT) Spares Pool (CLIN 0002)**.

Only parts meeting the specific criteria below require marking and registration at the time of shipment and delivery to Holloman AFB:

Item No.	Spare Part Category	Unit Cost	Mandatory IUID Marking?	Warranty Requirement	Reporting Protocol
4.1	**Spare Wheel and Tire Assembly** (CLIN 0001 Accessory)	$\geq \$5{,}000$	**Yes**	2 Years (Standard)	Reported as an end item deliverable via Wide Area WorkFlow (WAWF) combo invoice.
4.2	**Replacement JIT Wireless**	$\geq \$5{,}000$	**Yes**	1 Year (OEM)	Reported via WAWF

	Remote Controller				embedded item capability at time of delivery.
4.3	**Critical Electrical Sensors/Relays**	$< \$5{,}000$	**No** (Unless serially managed by the OEM)	OEM Standard	Unmarked. Tracked via standard packing list and commercial invoice.
4.4	**Custom High-Pressure Hydraulic Hose Harnesses**	$< \$5{,}000$	**No** (Unless serially managed by the OEM)	OEM Standard	Unmarked. Tracked via standard packing list and commercial invoice.
4.5	**Replacement Filters (Hydraulic, Engine, Air)**	$< \$5{,}000$	**No** (Consumables)	None (Consumables)	Logged directly into the local squadron inventory system upon receipt.

5.0 Contractor Marking and Reporting Requirements

In accordance with MIL-STD-130 and DFARS 252.211-7003, the contractor (Marine Travelift, Inc.) must:

4. **Symbology:** Mark each identified item with a two-dimensional (2D) Data Matrix barcode symbology that complies with ISO/IEC 16022 (ECC200).
5. **Durability:** Ensure the marking remains legible and machine-readable throughout the entire operational service life of the component under harsh

thermal and environmental conditions (desert environment of Holloman AFB, NM).

6. **Data Elements:** Encode the appropriate unique identification data (Issuing Agency Code, Enterprise Identifier, and unique Serial Number) within the barcode.
7. **DoD Registration:** Report the unique item identifier (UII) and warranty start dates for all delivered items at the time of delivery using the Material Inspection and Receiving Report capability in **Wide Area WorkFlow (WAWF)**, or via direct submission to the **DoD IUID Registry** (http://dodprocurementtoolbox.com/site/uidregistry/).