

PALM BEACH STATE COLLEGE PERSONAL PROTECTIVE EQUIPMENT (PPE) JOB HAZARD ASSESSMENT

Department: Facilities	Campus: All
Task: Operate an Aerial Lift Device	
Job Title(s) Performing Task: Groundskeeper, Maintenance Mechanic, Painter	

Reviewed by Mark Pruszynski, Painter II, July 23, 2015

Task Step/Sub-Tasks	Hazard(s)	Recommended PPE (Bolded)/Controls
1. Prepare work area.	Impact (from operator thrown from basket; co-workers, bystanders or passersby who are struck by running into the lift device; or from lift device falling over)	Personnel travelling in the basket of an aerial lift shall wear a Personal Fall Arrest System consisting of full-body harness with either a restraint line or a self-retracting lifeline attached to an appropriate anchorage in the basket.
		<p>Give verbal warnings to people in the work area.</p> <p>Utilize barricades, cones or caution tape to keep bystanders a safe distance from the job.</p> <p>Designate an employee to be a ground controller to direct pedestrian and vehicular traffic away from the work location.</p> <p>Position lift device away from traffic.</p> <p>Level carrier/truck base, set brakes and block wheels.</p> <p>When outriggers are used, they shall be positioned on pads or other solid surface.</p> <p>Never exceed the posted lift capacity (including worker, material and tools).</p> <p>Never use lift as a crane or hoist to lift or lower materials.</p>
	Electric shock	Position lift device away from power lines.

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2. Operate lift device.	Fall from heights	<p>Use Personal Fall Arrest System (PFAS) when using an aerial lift device. This includes use of a scissors lift. The PFAS must consist of a full-body harness, self-retracting lifeline or restraint line, connectors and an appropriate anchorage on the boom or basket.</p> <p>The self-retracting lifeline or restraint line must be attached to the anchorage in the basket.</p> <p>An aerial lift shall <u>not</u> be moved when the work platform is elevated in a working position with employees in the basket.</p> <p>Personnel shall always stand firmly on the floor of the basket and shall not sit or climb on the guardrail or the edge of the basket or use planks, ladders, or other devices for a work position.</p> <p>Personnel shall not step out of aerial lifts or on the guardrail to perform work or maintenance.</p>
	Electric shock	<p>Maintain a minimum clearance of 10 feet from energized conductors rated 50 kV phase-to-phase or less; for lines rated over 50 kV phase-to-phase, the minimum clearance shall be 10 feet plus 4/10 inch for each kilovolt greater than 50 kV phase-to-phase.</p> <p>WARNING: Insulated baskets do not protect operators from other electrical paths to the ground, such as those through trees, through a guy wire or the path from one phase wire to the second phase wire, any of which can be fatal.</p>

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2 (continued). Operate lift device	Impact (from tree limbs or other cut materials falling onto the basket or tools and materials falling from the floor of the lift device to the ground)	Personnel shall not allow tools or materials to accumulate on the floor of the platform.
		Personnel in the basket and on the ground working below an elevated aerial lift platform shall wear hard hats .
3. Return lift device to parking/storage area upon completion of work.	Impact (from operator thrown from basket)	Personnel travelling in the basket of an aerial lift shall wear a Personal Fall Arrest System consisting of full-body harness with either a restraint line or a self-retracting lifeline attached to an appropriate anchorage in the basket.

NOTE 1: Basic hazard categories include – **impact** (falling/flying objects, struck by), **falls from height**, **penetration** (sharp objects piercing foot/hand, other body parts), **compression** (roll-over or pinching), **cuts, burns, chemical exposure** (inhalation, ingestion, skin contact, eye contact or injection), **heat, extreme cold, harmful dust, noise, light (optical) radiation** (welding, brazing, cutting, furnaces, etc.), **ionizing radiation, non-ionizing (RF energy) radiation, electrical shock, ergonomics** (includes back strain or other strain due to lifting/stretching) and **biologic**.

NOTE 2: Use of an aerial lift device must also follow the provisions of the Palm Beach State College Fall Protection Program with regard to both fall protection and the operation of the aerial lift.

NOTE 3: Tasks being performed while in the basket of the aerial lift device (e.g., painting, using a chain saw, etc.) may be the subject of other Job Hazard Assessments, and the recommendations and controls provided in them must be followed. E.g., see JHA “Apply Paint, Other Surface Coatings” and JHA “Operate a Chain Saw”.



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CERTIFICATION: I certify that I have personally performed the above Job Hazard Assessment on the date indicated below. *This document is a Certification of the Hazard Assessment required by 29 CFR 1910.132(d)(2).*

Larry L. Leskovjan	<i>Larry L. Leskovjan</i>	July 23, 2015
Printed Name	Signature	Date