

JOB HAZARD ANALYSIS

Safety Information for Southern Illinois University Edwardsville

FACILITIES MANAGEMENT

USING LADDERS (EXTENSION AND STEP)

TASK	HAZARDS	CONTROLS
1. Inspect ladder.	Component failure.	Inspect rungs, frame, and moving parts for damage. Do not use damaged ladders.
2. Setting up the ladder – different types of ladders require different means of securing their placement.	Injuries to self and others from losing control of the ladder.	Secure extension ladders prior to use; only set stepladders on level firm surfaces. More than one person may be required to set large extension ladders. Extension ladders should be set according to the 1:4 rule, with a minimum of 3 feet between the top rung and the landing. With extension ladders employ vertical feet on penetrable surfaces and level feet on firm surfaces.
	Potential electrocution.	SIUE requires fiberglass ladders only – wood and aluminum ladders are not permitted; inspect area for overhead utilities; lockout/tagout procedures must be used if any electrical or mechanical equipment is being serviced.
3. Climbing ladder.	Falling.	Maintain three points of contact on the ladder at all times; ladders are used for access, if working from the ladder for an extended period of time some form of fall protection must be provided. Climb no higher than the 3 rd rung below the top of extension ladders and no higher than the 2 nd step below the top on step ladders.
4. Removing ladder.	Injuries to self and others from losing control of ladder.	Assistance with large ladders may be necessary.
Required Training:	Require Personal Protective Equipment (PPE)	
Use of ladders Use of fall protection (if necessary) Lockout/Tagout (if necessary)	Fall protection harness assembly (if necessary).	

Other Information: Contributors: Created: JHA Library Number:	Pure Safety: Ladder Safety V2, Fall Protection V3, Lockout/Tagout V3 SIUE Job Hazard Analysis Committee November 2015 (EM&S will insert number here, if applicable). For more information about this JHA, contact Emergency Management and Safety, Campus Box 1657, (618) 650-3584 ● www.siu.edu/emergencymanagement
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