

FORM S+H 51- JOB HAZARD ANALYSIS

JOB HAZARD ANALYSIS		Date: 12/13/1999
Contract:(If Applicable)		Phase: Siding installation with manlift & swing stage.
Contractor/ Subcontractor/Subtier: Nielsen Dillingham Builders		Location: LLNL- NIF
NIF Element: CSP- 6/10		
ACTIVITY OPERATIONS	UNSAFE CONDITION, ACTION or OTHER HAZARD	PREVENTATIVE or CORRECTIVE ACTION THAT WILL BE TAKEN
Install siding using aerial manlift.	Falls, striking objects, rollover.	All personnel will complete a training indoctrination by a competent person prior to operation.
"	"	Safety belts must be worn & attached to basket.
"	"	Inspect the lift thoroughly before each use; test all functions; check all fluid levels, tire pressure and hoses.
"	"	Ensure that the machine is on a firm level surface; inspect the work area for obstacles, drop-offs and holes.
"	"	Workers must stand only on the floor of the basket. Do not stand on the guardrails to gain greater height.
"	"	Do not operate lift when the wind velocity exceeds 25 m.p.h. or in thunderstorm conditions.
"	"	Make sure weight of personnel, tools, materials do not exceed the manufacturer's recommendations; do not overload the lift.
"	Electrocution	Do not operate man lifts near energized high voltage lines; check for overhead obstructions.
Erect scaffold	Improper installation	All personnel will be trained in the proper technique of rigging and use of the scaffolding.
"	"	Prior to erection check all components to make sure they are in good condition.
"	"	Counterweights must be securely attached to the rear of the outrigger.

NIELSEN DILLINGHAM BUILDERS INC.

"	"	The outriggers are to have less than a 3' overhang, spaced properly for the length of scaffold used, and the end of each outrigger must be secured independently to a structural member of the building.
"	"	The amount of counterweight on each outrigger is determined by the counterweight formula : $\frac{ALB}{A}=CW$
Scaffold operation	Falls	Inspect all equipment before using daily and repeat each time scaffold is re-rigged ; load test required after first rigging.
"	"	All personnel working on the scaffold will tie-off 100% to independent life lines attached to structural members of the building.
"	"	All personnel will wear OSHA approved safety harnesses with shock absorber lanyards attached to rope grabs secured to lifelines made of 5/8 inch poly.
Scaffold use	Electrocution	All electrical equipment, drill Motors, screw guns, cords, as well as the 5/8", 110 volt electric drills used to power the hi-lo stirrups will be checked periodically as part of the ground fault program.
Scaffold use during sheet installation.	Falls, dropping of material.	When working on the swing stage keep scaffold tied into the building.
"	"	A tag line will be used on all sheets being hoisted with the well wheel.
"	"	Sheets will be hoisted into place with a well wheel using 3/4 " manila line and a sheet clamp.
Scaffold use during sheet installation.	Falls, dropping, of material.	Sheets will not be hoisted in winds of excess 25 M.P.H. or less, when deemed unsafe by the foreman.
"	"	Keep all sheets tied down until they are ready to be installed, stay out from under material being hoisted.

CM Review

LLNL Group/Contractor/Subcontractor Review

Subtier Review
