

Fall Protection Work Plan
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Fall Protection Program

This plan sets forth requirements for Gonzaga University to provide and enforce the use of fall protection for employees of GU in construction, alteration, repair, maintenance (including painting and decorating), and demolition workplaces where a fall hazard of 10 feet or greater exists.

I. WORK SITE INFORMATION

For this plan the work site will be Gonzaga University campus and all rentals and properties where GU employees would do work.

The competent person to supervise the plan will be the Plant Services Maintenance Manager or his appointed replacement.

II. FALL HAZARD IDENTIFICATION AND PROTECTION SELECTION

Because of the University's size and the possibility of needing fall protection at different sites and different job/work requirements it would be almost impossible to identify and list them at this time. The identification of a fall hazard will be done when the Maintenance Manager assigns the work order to be done. GU employees will also be asked to assess the job for the need for fall protection.

When the need for fall protection has been ascertained, the Maintenance Manager will then assign the type of protection.

III. PROCEDURE FOR HANDLING STORAGE AND SECURITY OF TOOLS & MATERIALS

All personal fall protection equipment will be kept at Plant Services, 1008 N. Ruby to prevent damage from weather and other sources. Employees must report damaged fall protection equipment to the Maintenance Manager immediately, and the equipment must be repaired or replaced before employees may enter the area containing the fall hazard.

Tools used at elevations will be secured as follows:

- Tool belts will be used to carry hand tools.
- Tools too large for the belt will be raised by rope and pulley.
- Large tools that may fall to lower levels will be secured to rails and other fixed objects where necessary.

IV. OVERHEAD PROTECTION FOR WORKERS BELOW

For each hazard identified, the appropriate overhead protection for the worker is listed below.

- | | |
|--------------------------|--------------------------------|
| 1. Hard Hats Required | 4. Toe Boards on Guardrails |
| 2. Overhead Hazard Signs | 5. Screens on Guardrails |
| 3. Debris Nets | 6. Barricade to Control Access |

V. FALL PROTECTION SYSTEM ASSEMBLY AND MAINTENANCE

Fall protection systems will be assembled and maintained according to manufacturers' instructions when using a manufactured system. A copy of those instructions is available at 1004 N. Ruby for reference. Any fall protection system used will meet WISHA regulations as contained in WAC 296-155 Part C-1 that is available at EH&S as a reference. Assembly and maintenance instructions unique to a work site such as components, placement of systems, anchor points, and areas where systems are particularly subject to damage will be relayed to the employees by the Maintenance Supervisor when they start the job.

- A. Standard Guardrails: Must be 36" to 42" above the work surface at top rail with midrail and toe board, and able to withstand 200 pounds of pressure on the top rail in any direction. It must not have significant deflection, and must be inspected regularly for damaged or missing components. *Note: A guardrail does not protect a person standing on a ladder, stilts, a box or other surface above the work surface.*
- B. Fall Arrest Harness: Must have anchor points capable of withstanding a 5000 pound shock unless a deceleration device in use limits free fall to 2 feet in which case a 3000 pound anchor point may be used. Free fall may not exceed 6'. A lower level may not be contacted during a fall. Lifelines must be plac'd or protected to prevent abrasion. Snap hooks may not be connected to each other or loops in the webbing. Inspect components for deformation, wear, and mildew.
- C. Positioning Belt: Employees must not be able to fall more than 2 feet. The anchorage must be able to sustain four times the intended load. Snap hooks must not be connected to each other, or loops in webbing.
- D. Fall Restraint Harness/Belt: Anchor points must be able to withstand four times the intended load. The system must *always* prevent a free fall from the work surface. Several alternate anchor points may be necessary to achieve this requirement. Inspect components for deformation, wear, and mildew.
- E. Warning Line System: Must block access to all fall hazards in the work area and be placed 6' back from the edge. Must be made of rope wire or chain between 36" - 42" above the surface, flagged at 6' intervals and attached to stanchions— such that pulling on one section of chain will not take up slack in the other sections. The stanchions must be able to withstand a 16 pound force applied horizontally at 30" high.
- F. Controlled Access Zone (CAZ): Is made up of a warning line as described above not less than 6' back from the edge plus the following additional precautions when employee's work in the CAZ between the fall hazard and the warning line. A competent person designated as safety monitor will wear a high visibility vest. The monitor will be in visual and voice range of employees in the control zone, on the same working surface and have no other duties except watching, warning and directing employees regarding fall hazards. A maximum of eight employees also wearing high visibility vests may work in the CAZ. This system is not to be used in weather conditions such as snow, rain, or high wind nor after dark.

VI. EMERGENCIES AND INJURIES

If a crew member is injured at elevation, the supervisor will evaluate the employee's condition and administer first aid. Emergency services will be called as needed. If an injured employee cannot return to ground level emergency services will bring down the employee to a lower level.

VII. EMPLOYEE TRAINING

All employees must be instructed on the provisions of this plan and be trained in the proper use of the fall protection equipment involved. At the completion of the training, records will be kept by Plant Services and copies sent to EH&S.

Gonzaga University
Environmental Health & Safety

Date: _____

Fall Protection Work Plan

Report Prepared By: _____ Title: _____

1. Specific Work Area: _____
2. Activities: _____

3. Identify All Fall Hazards In This Area: _____

4. Check the method of Fall Restraint or Arrest to be utilized:

- | | | |
|---|--|---|
| <input type="checkbox"/> Standard Guardrail | <input type="checkbox"/> Double Lanyard System | <input type="checkbox"/> Restraint Line |
| <input type="checkbox"/> Horizontal Lifeline | <input type="checkbox"/> Full Body Harness | <input type="checkbox"/> Scissor Lift |
| <input type="checkbox"/> Secured to Structure | <input type="checkbox"/> Tie-Off Point@ 500 lb/Per. | <input type="checkbox"/> Boom Lift |
| <input type="checkbox"/> Retractable Lanyard | <input type="checkbox"/> Shock Absorbing Lanyard | <input type="checkbox"/> Fork Lift Basket |
| <input type="checkbox"/> Scaffold w/Guardrail | <input type="checkbox"/> Vertical Lifeline & Rope Grab | <input type="checkbox"/> Catch Platform |
| <input type="checkbox"/> Warning Line | <input type="checkbox"/> Warning Line & Safety Monitor | <input type="checkbox"/> Other (specify)_____ |

5. Describe procedures for assembly, maintenance, inspection and disassembly of the system (if additional space is required, complete on the back of this form)._____

6. Describe procedures for handling and securing tools, equipment and materials providing overhead protection for workers (if additional space is required, complete on the back of this form)._____

7. Describe the method for prompt safe removal for injured workers (911 Fire, 3222 Security)_____

8. I certify that I have received Fall Protection Orientation including the material covered in this Fall Protection Work Plan.

Employee (print & sign)

Date
