

Fall Protection

The most pragmatic method for addressing hazards associated with work being performed at heights is via the implementation of a Fall Hazard Analysis that utilizes a hierarchy of control.

SotarIS takes into consideration prevailing structural issues of existing facilities and related equipment while making pragmatic determinations as to all solutions available.

Priority	BT#	Equipment/Area of Concern	Area	Column	Height	Notes
14igh	4407	IndustUGM CNC Machining Center	307-Head	M-1	18'	Worker need assistance in order to maintain, adjust, light fix, lubrication, etc.
	Quoted \$2,000		Dist. \$0			Self-Insulating Lined \$2,120 with Fall To Free \$200
14igh	4407	IndustUGM CNC Machining Center	375-Lower Components Assembly	L-7	18'	Worker need assistance in order to maintain, adjust, light fix, lubrication, etc.
	Quoted \$2,000		Dist. \$0			Self-Insulating Lined \$2,120 with Fall To Free \$200
14igh	4408	IndustUGM CNC Machining Center	375-Lower Components Assembly	L-7	18'	Worker need assistance in order to maintain, adjust, light fix, lubrication, etc.
	Quoted \$2,000		Dist. \$0			Self-Insulating Lined \$2,120 with Fall To Free \$200
14igh	4402	Charlie Presser Elev	375-Transmission Component Group	D-11	18'	Worker need assistance in order to maintain, adjust, light fix, lubrication, etc.
	Quoted \$2,000		Dist. \$0			Self-Insulating Lined \$2,120 with Fall To Free \$200
14igh	4300	Charlie Presser Elev	360-Maintenance	O-15	18'	Worker need assistance in order to maintain, adjust, light fix, lubrication, etc.
	Quoted \$2,000		Dist. \$0			Self-Insulating Lined \$2,120 with Fall To Free \$200

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SOTARIS Your Workplace Safety Partner		2000 Auburn Drive, Suite 200 Beachwood, Ohio 44122 Ph. 216-378-7650 Fax: 216-378-7505		Fall Hazard Report	
Building: Powerhouse		Dept/Area: Substation Roof		BT #N/A	Project # 12992
Typical Photo 		Date: 01/02/2006		Priority: 2-Medium	
		Equipment/Area of Concern Perimeter Lighting		Fall Height 30 Feet	
		Task Replace Light Bulbs		Potential Fall Hazard Fall to Ground	
		Workers Exposed Maintenance		Total Exposure/Yr/Unit 8 hours	
		Probability of Fall Medium		Annual Exposure/Unit 1 shift	
General Notes Location of lights require the worker to stand at the edge of the roof and reach out to the light.					
Special Factors Proximity to edge. Lights are located at edge of roof.					
FHC - Option #1 Retractable Lighting		Level of Control 2 Estimated Engineering Cost \$500		Advantages Eliminates the need for a worker to work at heights.	
Notes Install swivel lighting that could be swung to a safe location on the roof for maintenance.		Est. Construction or PPE Cost \$1,000		Disadvantages Initial cost for installation	
Comments Enough swing radius should be given to place					
Hazard ID # 23		Rev: 0			

Reports and Plans

Fall Hazard Analysis

ID#	Ty	Priority	Equipment/Area of Concern	Building	Area	Column	BT#
118	6	14igh	Platform Gear Hobs	Main	375-Transmission Component Group	L-11	6433
119	6	14igh	Platform Gear Hobs	Main	306-Gearbox & Bearings	L-12	5904
120	6	14igh	Platform Gear Hobs	Main	306-Gearbox & Bearings	L-12	5903
105	31	14igh	Overlin Pressure Filter	Main	375-Transmission Component Group	D-11	4482
84	31	14igh	Overlin Pressure Filter	Main	305-Maintenance	Q-15	4506
82	31	14igh	Overlin Pressure Filter	Main	306-Gearbox & Bearings	R1-3	6407
87	31	14igh	Overlin Pressure Filter	Main	306-Gearbox & Bearings	R1-3	6406
83	31	14igh	Overlin Pressure Filter	Main	365-Lower Components Steel	S-10	5830
89	31	14igh	Overlin Pressure Filter	Main	365-Lower Components Steel	T-11	6463
113	34	14igh	Platform Allow Assembly	Main	375-Assembly	E-7	N/A
4	35	14igh	Air Circulation Unit	Main	376-Assembly	E-3	N/A
1	35	14igh	Air Circulation Unit	Main	376-Assembly	E-5	N/A
3	35	14igh	Air Circulation Unit	Main	376-Assembly	F-3	N/A
2	35	14igh	Air Circulation Unit	Main	376-Assembly	F-5	N/A
44	36	14igh	George Noch Washer	Main	389-Preheater Coal	R1	5903
42	36	14igh	George Noch Washer	Main	389-Preheater Coal	S1	5667
43	36	14igh	George Noch Washer	Main	389-Preheater Coal	S1	5664
40	36	14igh	George Noch Washer	Main	389-Preheater Coal	T1	5666
45	36	14igh	George Noch Washer	Main	389-Preheater Coal	T1	5668
41	36	14igh	George Noch Washer	Main	389-Preheater Coal	L11	5665
88	41	14igh	Overlin Pressure Filter	Main	387-Heads	J1	6013
90	41	14igh	Overlin Pressure Filter	Main	387-Heads	K1	6016
86	41	14igh	Overlin Pressure Filter	Main	371-Lower Components Aluminum	Q4	6459
163	42	14igh	Triflex UG40 CNC Machining Center	Main	371-Lower Components Aluminum	J7	4478
176	42	14igh	Triflex UG30 CNC Machining Center	Main	387-Heads	K3	5741
162	42	14igh	Triflex UG40 CNC Machining Center	Main	371-Lower Components Aluminum	L7	4477
172	42	14igh	Triflex UG50 CNC Machining Center	Main	387-Heads	M1	4403
181	42	14igh	Triflex UG40 CNC Machining Center	Main	371-Lower Components Aluminum	M7	5659

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Whether your solutions lend themselves to engineered controls (catwalks, mezzanines, ladders, etc.) or personal protective equipment (i.e. anchorages, life-lines, harnesses, etc.), SotarIS offers turn-key professional services to accommodate your fall protection needs:

- Program Review and Facility Audits
- Fall Hazard Analysis
- Structural Integrity Evaluations
- Executive Summaries and Detailed Reports
- Training (On-Site and Off-Site)
- PPE Specification and Procurement
- Annual Inspections

Contact SotarIS to discuss how our staff of safety professionals can directly assist your operations.



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