


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 |
|----------|----------------|---------------------------------|----------------------------------|--------|--------|--|
| 149gh | 4407 | Industrial CNC Machining Center | 307-Head | M-1 | 18' | Worker need assistance in order to maintain, adjust, light fixture, etc. |
| | Quoted \$1,000 | | Est. \$2,000 | | | Swivel lighting \$1,200 with Fall To Free \$800 |
| 149gh | 4407 | Industrial CNC Machining Center | 375-Lower Components Assembly | L-7 | 18' | Worker need assistance in order to maintain, adjust, light fixture, etc. |
| | Quoted \$1,000 | | Est. \$2,000 | | | Swivel lighting \$1,200 with Fall To Free \$800 |
| 149gh | 4408 | Industrial CNC Machining Center | 375-Lower Components Assembly | L-7 | 18' | Worker need assistance in order to maintain, adjust, light fixture, etc. |
| | Quoted \$1,000 | | Est. \$2,000 | | | Swivel lighting \$1,200 with Fall To Free \$800 |
| 149gh | 4402 | Charlie Presser Elevator | 375-Transmission Component Group | D-11 | 18' | Worker need assistance in order to maintain, adjust, etc. |
| | Quoted \$1,000 | | Est. \$2,000 | | | Swivel lighting \$1,200 with Fall To Free \$800 |
| 149gh | 4300 | Charlie Presser Elevator | 360-Maintenance | O-15 | 18' | Worker need assistance in order to maintain, adjust, etc. |
| | Quoted \$1,000 | | Est. \$2,000 | | | Swivel lighting \$1,200 with Fall To Free \$800 |

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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 | 149gh | Platform Gear Holes | Main | 375-Transmission Component Group | L-11 | 6433 |
| 119 | 6 | 149gh | Platform Gear Holes | Main | 306-Gear & Bearings | L-12 | 5904 |
| 120 | 6 | 149gh | Platform Gear Holes | Main | 306-Gear & Bearings | L-12 | 5903 |
| 105 | 31 | 149gh | Overhead Pressure Filter | Main | 375-Transmission Component Group | D-11 | 4482 |
| 84 | 31 | 149gh | Overhead Pressure Filter | Main | 305-Maintenance | Q-15 | 4506 |
| 82 | 31 | 149gh | Overhead Pressure Filter | Main | 306-Gear & Bearings | R-13 | 6407 |
| 87 | 31 | 149gh | Overhead Pressure Filter | Main | 306-Gear & Bearings | R-13 | 6406 |
| 83 | 31 | 149gh | Overhead Pressure Filter | Main | 365-Lower Components Steel | S-10 | 5830 |
| 89 | 31 | 149gh | Overhead Pressure Filter | Main | 365-Lower Components Steel | T-11 | 6463 |
| 113 | 34 | 149gh | Platform Allow Assembly | Main | 375-Assembly | E-7 | N/A |
| 4 | 35 | 149gh | Air Circulation Unit | Main | 376-Assembly | F-3 | N/A |
| 1 | 35 | 149gh | Air Circulation Unit | Main | 376-Assembly | G-5 | N/A |
| 3 | 35 | 149gh | Air Circulation Unit | Main | 376-Assembly | F-3 | N/A |
| 2 | 35 | 149gh | Air Circulation Unit | Main | 376-Assembly | F-5 | N/A |
| 44 | 36 | 149gh | George Noth Washer | Main | 389-Preheater Coal | R-1 | 5903 |
| 42 | 36 | 149gh | George Noth Washer | Main | 389-Preheater Coal | S-1 | 5667 |
| 43 | 36 | 149gh | George Noth Washer | Main | 389-Preheater Coal | S-1 | 5664 |
| 40 | 36 | 149gh | George Noth Washer | Main | 389-Preheater Coal | T-1 | 5906 |
| 45 | 36 | 149gh | George Noth Washer | Main | 389-Preheater Coal | L-1 | 5908 |
| 41 | 36 | 149gh | George Noth Washer | Main | 389-Preheater Coal | L-11 | 5905 |
| 88 | 41 | 149gh | Overhead Pressure Filter | Main | 387-Heads | J-1 | 6013 |
| 90 | 41 | 149gh | Overhead Pressure Filter | Main | 387-Heads | K-1 | 6016 |
| 86 | 41 | 149gh | Overhead Pressure Filter | Main | 371-Lower Components Aluminum | Q-4 | 6409 |
| 163 | 42 | 149gh | Triflex UG40 CNC Machining Center | Main | 371-Lower Components Aluminum | J-7 | 4478 |
| 176 | 42 | 149gh | Triflex UG30 CNC Machining Center | Main | 387-Heads | K-1 | 5741 |
| 162 | 42 | 149gh | Triflex UG40 CNC Machining Center | Main | 371-Lower Components Aluminum | L-7 | 4477 |
| 174 | 42 | 149gh | Triflex UG30 CNC Machining Center | Main | 387-Heads | M-1 | 4403 |
| 181 | 42 | 149gh | Triflex UG40 CNC Machining Center | Main | 371-Lower Components Aluminum | M-7 | 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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