Most Frequently Cited Serious Violations

Construction Industry
FY 2018

OSHA Federal Standards
October 1, 2017 – September 30, 2018
## Most Frequently Cited Serious Violations in Construction 2017

<table>
<thead>
<tr>
<th>Violation</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Protection – Residential Construction</td>
<td>4530</td>
</tr>
<tr>
<td>Ladders – Not Extended 3 Feet Above Landing</td>
<td>1574</td>
</tr>
<tr>
<td>Eye &amp; Face Protection – Use of Appropriate Protection</td>
<td>1458</td>
</tr>
<tr>
<td>Fall Protection – Training for Those Exposed to Fall Hazards</td>
<td>1259</td>
</tr>
<tr>
<td>Fall Protection – Unprotected Sides &amp; Edges</td>
<td>1071</td>
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<tr>
<td>Head Protection – Use of Protection</td>
<td>933</td>
</tr>
<tr>
<td>Aerial Lifts – Fall Protection</td>
<td>726</td>
</tr>
<tr>
<td>Fall Protection – Roofing Work on Low-Sloped Roofs</td>
<td>576</td>
</tr>
<tr>
<td>Scaffolds – Fall Protection</td>
<td>536</td>
</tr>
<tr>
<td>General Safety &amp; Health Provision - Inspections by a Competent Person</td>
<td>490</td>
</tr>
</tbody>
</table>

### Number of Serious Violations – FY 2018
# General Safety & Health

[1926.20 – .35]

<table>
<thead>
<tr>
<th>Clause</th>
<th>Description</th>
<th>Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>20(b)(2)</td>
<td>General Safety &amp; Health Provision – Inspections by a Competent Person</td>
<td>490</td>
</tr>
<tr>
<td>21(b)(2)</td>
<td>Safety Training &amp; Education – Recognition &amp; Avoidance of Unsafe Hazards</td>
<td>456</td>
</tr>
<tr>
<td>20(b)(1)</td>
<td>General Safety &amp; Health Provisions – Initiate &amp; Maintain Accident Prevention Programs</td>
<td>441</td>
</tr>
<tr>
<td>25(a)</td>
<td>Housekeeping – Work Area Shall Be Kept Clean</td>
<td>119</td>
</tr>
<tr>
<td>28(a)</td>
<td>Personal Protective Equipment – Employer Responsibility</td>
<td>82</td>
</tr>
</tbody>
</table>

**Number of Serious Violations – FY 2018**
OCCUPATIONAL HEALTH & ENVIRONMENTAL CONTROLS
[1926.50 – .66]

NUMBER OF SERIOUS VIOLATIONS – FY 2018

- **LEAD – DETERMINING EXPOSURE AT OR ABOVE ACTION LEVELS**
  - 62(d)(1)(i)
  - 32

- **MEDICAL SERVICE & FIRST AID – SUITABLE FACILITIES FOR QUICK DRENCHING OR FLUSHING OF THE EYES AND BODY**
  - 50(g)
  - 23

- **LEAD – INCLUDE LEAD IN THE HAZARDOUS COMMUNICATION STANDARD**
  - 62(l)(1)(i)
  - 23

- **HAZARDOUS COMMUNICATION**
  - 59
  - 19

- **LEAD – APPROPRIATE PPE**
  - 62(d)(2)(v)(B)
  - 14

SUBPART D

29 CFR 1926.
PERSONAL PROTECTIVE & LIFE SAVING EQUIPMENT
[1926.95 – .107]

NUMBER OF SERIOUS VIOLATIONS – FY 2018
Number of Serious Violations – FY 2018

Fire Protection & Prevention
[1926.150 – .159]

- 150(c)(1)(i) Fire Protection – 2A Fire extinguisher provided per 3000 sqft of building: 35 violations
- 150(c)(1)(viii) Fire Protection – Portable extinguishers inspected periodically: 20 violations
- 150(c)(1)(vi) Fire Protection – Extinguishers with 50ft of 5 gallons of flammable liquids: 19 violations
- 152(a)(1) Flammable Liquids – Only approved containers for storage and handling: 19 violations
- 150(c)(1)(iv) Fire Protection – Fire extinguisher provided for each floor: 14 violations
Number of Serious Violations – FY 2018

- **Accident Prevention Signs – Traffic signs conforming with MUTCD**: 15 violations
- **Accident Prevention Signs – Traffic signs at point of hazards**: 10 violations
- **Signaling – Flaggers signaling & use**: 10 violations
- **Barricades – Protection for employees shall conform with Part VI MUTCD**: 3 violations
- **Accident Prevention Signs – Signs shall be visible at all times**: 2 violations
NUMBER OF SERIOUS VIOLATIONS – FY 2018

MATERIALS HANDLING, STORAGE, USE & DISPOSAL [1926.250 – .252]

- **Disposal – exterior drop chutes**: 22 violations
- **Rigging equipment - inspection & removal from service**: 16 violations
- **Rigging equipment – permanently affixed identification**: 11 violations
- **Rigging equipment – slings & all fastenings shall be inspected**: 9 violations
- **Rigging equipment – welding alloy steel chain sling identification**: 9 violations

29 CFR 1926.
TOOLS: HAND & POWER
[1926.300 – .307]

GENERAL REQUIREMENTS – TOOLS DESIGNED FOR GUARDS
300(b)(1) - 69

WOODWORKING TOOLS – GUARDING OF PORTABLE CIRCULAR SAW
304(d) - 42

WOODWORKING TOOLS – CIRCULAR HAND-FED RIPSAW SHALL BE GUARDED BY A HOOD
304(i)(1) - 27

WOODWORKING TOOLS – GUARDING OF CIRCULAR CROSSCUT TABLE SAW
303(b)(1) - 24

GENERAL REQUIREMENTS – GUARDING OF ROTATING/MOVING PARTS
304(h)(1) - 19

NUMBER OF SERIOUS VIOLATIONS – FY 2018
## Welding & Cutting

[1926.350 - .354]

<table>
<thead>
<tr>
<th>Violation Description</th>
<th>CFR Section(s)</th>
<th>Number of Serious Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Welding – Cylinder secured upright</td>
<td>350(a)(9)</td>
<td>14</td>
</tr>
<tr>
<td>Gas Welding – Oxygen cylinder storage</td>
<td>350(a)(10)</td>
<td>8</td>
</tr>
<tr>
<td>Arc Welding – Using cables needing repair</td>
<td>351(b)(4)</td>
<td>6</td>
</tr>
<tr>
<td>Gas Welding – Storage of cylinders</td>
<td>350(a)(11)</td>
<td>4</td>
</tr>
<tr>
<td>Gas Welding – Method to keep cylinder upright while in use</td>
<td>350(a)(7)</td>
<td>4</td>
</tr>
</tbody>
</table>

Number of Serious Violations – FY 2018
NUMBER OF SERIOUS VIOLATIONS – FY 2018

ELECTRICAL [1926.400 – .449]

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>404(f)(6)</td>
<td>WIRING DESIGN – GROUNDING PATH</td>
<td>140</td>
</tr>
<tr>
<td>416(a)(1)</td>
<td>GENERAL REQUIREMENTS – NO EMPLOYER SHALL PERMIT WORK NEAR ANY PART OF AN ELECTRIC CIRCUIT</td>
<td>112</td>
</tr>
<tr>
<td>403(b)(2)</td>
<td>GENERAL REQUIREMENTS – EQUIPMENT INSTALLATION &amp; USE</td>
<td>111</td>
</tr>
<tr>
<td>416(e)(1)</td>
<td>GENERAL REQUIREMENTS – WORN &amp; FRAYED CORDS AND CABLES</td>
<td>104</td>
</tr>
<tr>
<td>405(g)(2)(iv)</td>
<td>WIRING METHODS – FLEXIBLE CORD STRAIN RELIEF</td>
<td>101</td>
</tr>
</tbody>
</table>

29 CFR 1926.
**SCAFFOLDS [1926.450 – .454]**

**Number of Serious Violations – FY 2018**

- **Aerial Lifts – Fall Protection While in Basket**
  - 453(b)(2)(v) 
  - Number of Violations: 726

- **General Requirements – Fall Protection Above 10 Feet**
  - 451(g)(1) 
  - Number of Violations: 536

- **General Requirements – Safe Access Above 2 Feet**
  - 451(e)(1) 
  - Number of Violations: 407

- **General Requirements – All Working Levels Shall Be Full Planked**
  - 451(b)(1) 
  - Number of Violations: 324

- **Training Requirements – Training by a Qualified Person**
  - 454(a) 
  - Number of Violations: 247
FALL PROTECTION [1926.500 – .503]

NUMBER OF SERIOUS VIOLATIONS – FY 2018

- FALL PROTECTION – RESIDENTIAL CONSTRUCTION: 4530
- TRAINING REQUIREMENTS – TRAINING FOR THOSE EXPOSED TO FALL HAZARDS: 1259
- FALL PROTECTION – UNPROTECTED SIDES & EDGES: 1071
- FALL PROTECTION – ROOFING WORK ON LOW-SLOPED ROOFS: 576
- FALL PROTECTION – ROOFING WORK ON STEEP ROOFS: 420
Helicopters, Hoists, Elevators, and Conveyors
[1926.550 – .556]

Number of Serious Violations – FY 2018

- **Hoists & Elevators – Complying with manufacturer’s recommendations**: 10
- **Hoist & Elevators – Hoisting ropes installed in accordance with wire rope manufacturer**: 4
- **Hoists & Elevators – Operating rules shall be established & posted**: 3
- **Hoists & Elevators – All entrances of the hoist way shall be protected**: 2
- **Hoists & Elevators – Overhead protective covering**: 2
MOTOR VEHICLES, MECHANIZED EQUIPMENT, & MARINE OPERATIONS
[1926.600 – .606]

NUMBER OF SERIOUS VIOLATIONS – FY 2018
EXCAVATIONS
[1926.650 – .652]

NUMBER OF SERIOUS VIOLATIONS – FY 2018

- **PROTECTIVE SYSTEMS – CAVE-IN PROTECTION**
  - 652(a)(1)  409

- **EXCAVATION REQUIREMENTS – MEANS OF EGRESS**
  - 651(c)(2)  168

- **EXCAVATION REQUIREMENTS – DAILY INSPECTIONS BY COMPETENT PERSON**
  - 651(k)(1)  126

- **EXCAVATION REQUIREMENTS – KEEPING MATERIALS AND EQUIPMENT 2 FEET FROM EDGE**
  - 651(j)(2)  109

- **EXCAVATION REQUIREMENTS - EMPLOYEE REMOVAL FROM TRENCH BY COMPETENT PERSON**
  - 651(k)(2)  50
CONCRETE & MASONRY CONSTRUCTION
[1926.700 – .706]

NUMBER OF SERIOUS VIOLATIONS – FY 2018

GENERAL REQUIREMENTS – REINFORCING STEEL GUARDED
701(b) 95

CAST-IN-PLACE – FORMWORK DESIGNED TO SUPPORT LOADS
703(a)(1) 8

CAST-IN-PLACE – DRAWING OR PLANS AVAILABLE AT THE JOBSITE
703(a)(2) 4

MASONRY – MASONRY WALLS OVER 8 FEET SHALL BE BRACED
706(b) 4

EQUIPMENT & TOOLS – LOCK OUT/TAG OUT FOR EQUIPMENT
702(j)(1) 3

29 CFR 1926.
Steel Erection
[1926.750 – .761]

Number of Serious Violations – FY 2018

- Fall Protection – Protection from fall hazards
  - 760(a)(1) - 114

- Training – Fall hazard training
  - 761(b) - 41

- Structural Steel Assembly – Stability shall be maintained at all times
  - 754(a) - 10

- Fall Protection – Be provided with fall arrest systems
  - 760(b)(3) - 7

- Fall Protection – CDZ shall be designed and clearly marked
  - 760(c)(3) - 3
UNDERGROUND CONSTRUCTION, CAISSONS, COFFERDAMS, AND COMPRESSED AIR
[1926.800 – .804]

29 CFR 1926.

800(d) UNDERGROUND CONSTRUCTION – EMPLOYEES INSTRUCTED ON HAZARDS

800(g)(5)(ii) UNDERGROUND CONSTRUCTION – PROVIDE RESCUE FOR MORE THAN 25 EMPLOYEES

800(k)(1)(i) UNDERGROUND CONSTRUCTION – FRESH AIR SHALL BE SUPPLIED TO ALL UNDERGROUND WORK

800(j)(1)(ii)(A) UNDERGROUND CONSTRUCTION – ATMOSPHERE IN ALL UNDERGROUND WORK AREAS SHALL BE TESTED FOR OXYGEN

800(j)(1)(iii)(A) UNDERGROUND CONSTRUCTION – ATMOSPHERE IN ALL UNDERGROUND WORK AREAS SHALL BE TESTED FOR OTHER GASES

NUMBER OF SERIOUS VIOLATIONS – FY 2018
## Demolition

### [1926.850 – .860]

| Preparatory Operations - Engineering Survey Prior to Demolition Operations |
|-----------------------------|-----------------|
| 850(a)                      | 36              |

<table>
<thead>
<tr>
<th>Preparatory Operations – Utilities Shut Off or Capped</th>
</tr>
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<tbody>
<tr>
<td>850(c)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Chutes – No Materials Shall Be Dropped</th>
</tr>
</thead>
<tbody>
<tr>
<td>852(a)</td>
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</table>

<table>
<thead>
<tr>
<th>Mechanical Demolitions – Inspections by a Competent Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>859(g)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Preparatory Operations – Bracing for Floors or Walls Damaged</th>
</tr>
</thead>
<tbody>
<tr>
<td>850(b)</td>
</tr>
</tbody>
</table>

**Number of Serious Violations – FY 2018**
POWER TRANSMISSION AND DISTRIBUTION
[1926.950 – .968]

NUMBER OF SERIOUS VIOLATIONS – FY 2018
ROLLOVER PROTECTIVE STRUCTURE; OVERHEAD PROTECTION [1926.1000 – .1003]
STAIRWAYS AND LADDERS
[1926.1050 – .1060]

NUMBER OF SERIOUS VIOLATIONS – FY 2018

- **1053(b)(1)**: Ladders – 3 feet above landing surface (1574 violations)
- **1053(b)(4)**: Ladders – Appropriate use (359 violations)
- **1053(b)(13)**: Ladders – Using top step as a step (253 violations)
- **1060(a)**: Training – Ladder & stairway hazard training (215 violations)
- **1051(a)**: General – Stairway or ladder provided for break in elevation 19 inches (136 violations)
TOXIC & HAZARDOUS SUBSTANCES
[1926.1100 – .1152]
CONFINED SPACE IN CONSTRUCTION
[1926.1200 – .1212]

NUMBER OF SERIOUS VIOLATIONS – FY 2018

- General Requirements – Competent person identifies all confined spaces: 13
- General Requirements – Written permit space program: 8
- Training – Employer must provide training: 7
- General Requirements – Guarding of all entrance covers: 6
- General Requirements – Internal atmosphere testing prior to entering: 6
CRANES AND DERRICKS IN CONSTRUCTION
[1926.1400 – .1442]

NUMBER OF SERIOUS VIOLATIONS – FY 2018

<table>
<thead>
<tr>
<th>Violation Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Inspection – Equipment inspected every 12 months</td>
<td>10</td>
</tr>
<tr>
<td>Signal Person Qualification – Must meet qualification requirements</td>
<td>8</td>
</tr>
<tr>
<td>Power Line Safety Equipment Operations – Part of equipment could get closer than 20 feet</td>
<td>7</td>
</tr>
<tr>
<td>Operation – Employer must comply with all manufacturer procedures</td>
<td>6</td>
</tr>
<tr>
<td>Inspection – Equipment inspected each month it is in service</td>
<td>5</td>
</tr>
</tbody>
</table>