MOST FREQUENTLY CITED SERIOUS VIOLATIONS

Construction Industry
FY2019

OSHA Federal Standards
October 1, 2018 – September 30, 2019
# Most Frequently Cited Serious Violations in Construction 2019

<table>
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<th>Code</th>
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<th>Description</th>
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<tr>
<td>M</td>
<td>001(b)(13)</td>
<td>Fall Protection – Residential Construction</td>
<td>4270</td>
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<tr>
<td>X</td>
<td>01053(b)(1)</td>
<td>Ladders – Not Extended 3 Feet Above Landing</td>
<td>1616</td>
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<tr>
<td>E</td>
<td>0102(a)(1)</td>
<td>Eye &amp; Face Protection – Use of Appropriate Protection</td>
<td>1548</td>
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<td>M</td>
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<tr>
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<td>L</td>
<td>0453(b)(2)(v)</td>
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<td>C</td>
<td>021(b)(2)</td>
<td>General Safety &amp; Health Provision - Inspections by a Competent Person</td>
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## Number of Serious Violations – FY 2019
GENERAL SAFETY & HEALTH
[1926.20 – .35]

SAFETY TRAINING & EDUCATION – RECOGNITION & AVOIDANCE OF UNSAFE HAZARDS
21(b)(2) 575

GENERAL SAFETY & HEALTH PROVISION – INSPECTIONS BY A COMPETENT PERSON
20(b)(2) 518

GENERAL SAFETY & HEALTH PROVISIONS – INITIATE & MAINTAIN ACCIDENT PREVENTION PROGRAMS
20(b)(1) 459

HOUSEKEEPING – WORK AREA SHALL BE KEPT CLEAN
25(a) 108

PERSONAL PROTECTIVE EQUIPMENT – EMPLOYER RESPONSIBILITY
28(a) 69

NUMBER OF SERIOUS VIOLATIONS – FY 2019
**Occupational Health & Environmental Controls**

[1926.50 – .66]

**Number of Serious Violations – FY 2019**

- **Lead – Determining exposure at or above action levels**
  62(d)(1)(i)  -  32 violations

- **Medical Service & First Aid – Suitable facilities for quick drenching or flushing of the eyes and body**
  50(g)  -  21 violations

- **Lead – Include lead in the Hazardous Communication standard**
  62(l)(1)(i)  -  19 violations

- **Hazardous Communication**
  59  -  17 violations

- **Lead – Employer make initial medical surveillance to employees**
  62(j)(1)(i)  -  12 violations
29 CFR 1926.

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

EYE & FACE PROTECTION – USE OF APPROPRIATE PROTECTION
102(a)(1) 1548

HEAD PROTECTION – USE OF PROTECTION
100(a) 927

PPE – PROVIDED, USED & MAINTAINED
95(a) 84

EYE & FACE PROTECTION – SIDE PROTECTION FOR EYE PROTECTION
102(a)(2) 50

PPE – EMPLOYER PROVIDES PPE AT NO COST
96 11

NUMBER OF SERIOUS VIOLATIONS – FY 2019
FIRE PROTECTION & PREVENTION
[1926.150 – .159]

FIRE PROTECTION – 2A Fire extinguisher provided per 3000 sqft of building
150(c)(1)(i) 28

FIRE PROTECTION – Fire extinguisher provided for each floor
150(c)(1)(iv) 17

FIRE PROTECTION – Inspected periodically and maintained
150(c)(1)(viii) 14

FIRE PROTECTION – Extinguishers within 50ft of 5 gallons of flammable liquids
150(c)(1)(vi) 12

FIRE PROTECTION – Develop fire protection program
150(a)(1) 11

NUMBER OF SERIOUS VIOLATIONS – FY 2019
**SIGNS, SIGNALS & BARRICADES [1926.200 – .203]**

**29 CFR 1926.**

**NUMBER OF SERIOUS VIOLATIONS – FY 2019**

- **200(g)(1)**: Accident Prevention Signs – Traffic signs at points of hazard
  - Violations: 13

- **200(g)(2)**: Accident Prevention Signs – Traffic signs conforming with MUTCD
  - Violations: 9

- **201(a)**: Signaling – Signaling by flaggers
  - Violations: 6

- **200(b)(1)**: Accident Prevention Signs – Danger signs shall be used
  - Violations: 3

- **200(a)**: Accident Prevention Signs – Signs shall be visible at all times
  - Violations: 2
**Materials Handling, Storage, Use & Disposal**

[1926.250 – .252]

**Subpart H**

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<td>251(a)(2)(i)</td>
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<td>251(b)(1)</td>
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<td>250(a)(3)</td>
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**Number of Serious Violations – FY 2019**
TOOLS: HAND & POWER
[1926.300 – .307]

NUMBER OF SERIOUS VIOLATIONS – FY 2019

- GENERAL REQUIREMENTS – TOOLS DESIGNED FOR GUARDS
  - 300(b)(1) – 80 violations

- WOODWORKING TOOLS – GUARDING OF PORTABLE CIRCULAR SAWS
  - 304(d) – 40 violations

- WOODWORKING TOOLS – GUARDING OF CIRCULAR CROSSCUT TABLE SAW
  - 304(h)(1) – 27 violations

- WOODWORKING TOOLS – CIRCULAR HAND-FED RIPSAW SHALL BE GUARDED BY A HOOD
  - 304(i)(1) – 22 violations

- WOODWORKING TOOLS – MEET REQUIREMENTS OF ANSI 01.1-1961
  - 304(f) – 20 violations
WELDING & CUTTING
[1926.350 -.354]

GAS WELDING – CYLINDER SECURED UPRIGHT
350(a)(9) 9

ARC WELDING – CABLES IN NEED OF REPAIR SHALL NOT BE USED
351(b)(4) 8

GAS WELDING – OXYGEN CYLINDERS STORED SEPARATED FROM FUEL-GAS CYLINDERS
350(a)(10) 5

GAS WELDING – VALVE PROTECTION CAPS IN PLACE & SECURED
350(a)(1) 4

FIRE PREVENTION – NO WELDING, CUTTING, OR HEATING NEAR FLAMMABLES
352(c) 4

NUMBER OF SERIOUS VIOLATIONS – FY 2019
ELECTRICAL [1926.400 – 449]

Number of Serious Violations – FY 2019

- General Requirements – No work near any part of an electrical circuit
  - 416(a)(1) - 113
- Wiring Design – Grounding path
  - 404(f)(6) - 109
- Wiring Methods – Strain relief
  - 405(g)(2)(iv) - 95
- General Requirements – Installation & Use
  - 403(b)(2) - 89
- General Requirements – Worn & frayed cords and cables
  - 416(e)(1) - 86
SCAFFOLDS [1926.450 – .454]

AERIAL LIFTS – FALL PROTECTION WHILE IN BASKET
453(b)(2)(v)  672

GENERAL REQUIREMENTS – FALL PROTECTION ABOVE 10 FEET
451(g)(1)  618

GENERAL REQUIREMENTS – SAFE ACCESS ABOVE 2 FEET
451(e)(1)  411

GENERAL REQUIREMENTS – ALL WORKING LEVELS SHALL BE FULL PLANKED
451(b)(1)  334

TRAINING REQUIREMENTS – TRAINING BY A QUALIFIED PERSON
454(a)  282

NUMBER OF SERIOUS VIOLATIONS – FY 2019
# Fall Protection [1926.500 – .503]

## Number of Serious Violations – FY 2019

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<th>Training Requirements – Training for Those Exposed to Fall Hazards</th>
<th>Fall Protection – Unprotected Sides &amp; Edges</th>
<th>Fall Protection – Roofing Work on Low-Sloped Roofs</th>
<th>Fall Protection – Roofing Work on Steep Roofs</th>
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<td>503(a)(1)</td>
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<td>501(b)(11)</td>
<td>462</td>
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29 CFR 1926.
### Helicopters, Hoists, Elevators, and Conveyors

**[1926.550 – .556]**

<table>
<thead>
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<th><strong>Hoists &amp; Elevators – Complying with Manufacturer’s Specifications</strong></th>
<th><strong>552(a)(1)</strong></th>
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<td><strong>Hoists &amp; Elevators – Hoisting Ropes Installed in Accordance with Wire Rope Manufacturer</strong></td>
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<td></td>
<td><strong>Hoists &amp; Elevator – Door or Gate Provided at Entrance</strong></td>
<td><strong>3</strong></td>
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<tr>
<td></td>
<td><strong>Hoists &amp; Elevators – Operating Rules Shall Be Established &amp; Posted</strong></td>
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<tr>
<td></td>
<td><strong>Hoists &amp; Elevators – All Entrances of the Hoistway Shall Be Protected</strong></td>
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**Number of Serious Violations – FY 2019**
MOTOR VEHICLES, MECHANIZED EQUIPMENT, & MARINE OPERATIONS
[1926.600 – .606]

<table>
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<th>Description</th>
<th>Violations</th>
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<td>MATERIAL HANDLING EQUIPMENT – INDUSTRIAL TRUCK OPERATOR TRAINING</td>
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<tr>
<td>602(c)(1)(vi)</td>
<td>MATERIAL HANDLING EQUIPMENT – INDUSTRIAL TRUCKS ANSI B56.1 1969 REQUIREMENTS</td>
<td>29</td>
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<tr>
<td>602(c)(1)(ii)</td>
<td>MATERIAL HANDLING EQUIPMENT – MODIFICATIONS THAT AFFECT CAPACITY RATING</td>
<td>27</td>
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<tr>
<td>602(c)(1)(vii)</td>
<td>MATERIAL HANDLING EQUIPMENT – RIDE ONLY IN SAFE PLACE</td>
<td>16</td>
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<tr>
<td>601(b)(14)</td>
<td>MOTOR VEHICLES – INSPECTION OF VEHICLES</td>
<td>10</td>
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NUMBER OF SERIOUS VIOLATIONS – FY 2019
EXCAVATIONS
[1926.650 – .652]

NUMBER OF SERIOUS VIOLATIONS – FY 2019

- Protective Systems – Cave-in Protection
  - 652(a)(1): 529 violations

- Excavation Requirements – Means of Egress
  - 651(c)(2): 253 violations

- Excavation Requirements – Protection of Employees from Materials
  - 651(j)(2): 194 violations

- Excavation Requirements – Daily Inspections by Competent Person
  - 651(k)(1): 173 violations

- Excavation Requirements – Employee Removal from Trench by Competent Person
  - 651(k)(2): 61 violations
CONCRETE & MASONRY CONSTRUCTION
[1926.700 – .706]

GENERAL REQUIREMENTS – REINFORCING STEEL GUARDED

701(b) 111

CAST-IN-PLACE – FORMWORK DESIGNED TO SUPPORT LOADS

703(a)(1) 6

CAST-IN-PLACE – DRAWING OR PLANS AVAILABLE AT THE JOBSITE

703(a)(2) 3

EQUIPMENT & TOOLS – BULL FLOATS

702(h) 2

MASONRY – MASONRY WALLS OVER 8 FEET SHALL BE BRACED

706(b) 2

NUMBER OF SERIOUS VIOLATIONS – FY 2019

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

29 CFR 1926.

Number of Serious Violations – FY 2019

- Fall Protection – Protection from fall hazards
  - 760(a)(1): 119
- Training – Fall hazard training
  - 761(b): 35
- Structural Steel Assembly – Stability shall be maintained at all times
  - 754(a): 5
- Fall Protection – Protected from fall hazards 2 stories or 30 feet
  - 760(b)(1): 4
- Fall Protection – CDZ shall be designed and clearly marked
  - 760(c)(3): 4
**UNDERGROUND CONSTRUCTION, CAISSONS, COFFERDAMS, AND COMPRESSED AIR**

[1926.800 – .804]

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<td>800(j)(1)(ii)(A)</td>
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<td>800(j)(1)(iii)(A)</td>
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**Number of Serious Violations – FY 2019**
DESTRUCTION
[1926.850 – .860]

- **Preparatory Operations - Engineering Survey**
  - 850(a)
  - Number of Serious Violations - FY 2019: 45

- **Preparatory Operations – Bracing for Floors or Walls Damaged**
  - 850(b)
  - Number of Serious Violations - FY 2019: 7

- **Mechanical Demolition – Inspection by a Competent Person**
  - 850(g)
  - Number of Serious Violations - FY 2019: 7

- **Preparatory Operations – Utilities Shut Off or Capped**
  - 850(c)
  - Number of Serious Violations - FY 2019: 4

- **Preparatory Operations – Determine Any Type of Hazardous Chemicals**
  - 850(e)
  - Number of Serious Violations - FY 2019: 4

**Number of Serious Violations – FY 2019**
Blasting and the Use of Explosives
[1926.900 – .914]

<table>
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<th>Subpart</th>
<th>Violation Description</th>
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<tr>
<td>905(h)</td>
<td>Loading of Explosives – Equipment shall not be operated within 50 feet</td>
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<tr>
<td>900(h)</td>
<td>General Provisions – Special precautions shall be taken when blasting in congested areas</td>
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<tr>
<td>901(e)</td>
<td>Blaster Qualifications – Shall be knowledgeable &amp; competent</td>
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Number of Serious Violations – FY 2019
POWER TRANSMISSION AND DISTRIBUTION
[1926.950 – .968]

29 CFR 1926.

2019

Number of Serious Violations – FY 2019

GENERAL – EXISTING CHARACTERISTICS & CONDITIONS
950(d) 2

WORKING ON OR NEAR EXPOSED ENERGIZED PARTS – NO EMPLOYEE APPROACHES OR TAKES CONDUCTIVE OBJECT
960(c)(1)(iii) 2

WORKING ON OR NEAR EXPOSED ENERGIZED PARTS – EMPLOYEE IS INSULATED FROM ENERGIZED PART
960(c)(1)(iii)(A) 2

DEENERGIZING LINES & EQUIPMENT FOR EMPLOYEE PROTECTION – OPEN DISCONNECTING MEANS
961(c)(2) 2

GENERAL – EMPLOYEE TRAINING
950(b)(1)(i) 1
ROLOVER PROTECTIVE STRUCTURE; OVERHEAD PROTECTION [1926.1000 – .1003]

SCOPE – EQUIPMENT MANUFACTURED BEFORE JULY 15, 2019

NUMBER OF SERIOUS VIOLATIONS – FY 2019

1000(b)  2
STAIRWAYS AND LADDERS
[1926.1050 – .1060]

- LADDERS – 3 FEET ABOVE LANDING SURFACE
  - 1053(b)(1)
  - Number: 1616

- LADDERS – APPROPRIATE USE
  - 1053(b)(4)
  - Number: 332

- LADDERS – USING TOP STEP AS A STEP
  - 1053(b)(13)
  - Number: 238

- TRAINING – LADDER & STAIRWAY HAZARD TRAINING
  - 1060(a)
  - Number: 228

- GENERAL – STAIRWAY OR LADDER PROVIDED FOR BREAK IN ELEVATION 19 INCHES
  - 1051(a)
  - Number: 143

NUMBER OF SERIOUS VIOLATIONS – FY 2019
## Toxic & Hazardous Substances

[1926.1100 – .1152]

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<td>1153(d)(2)(i)</td>
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<td>1153(g)(1)</td>
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<td>1153(i)(1)</td>
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<td>1153(i)(2)(i)</td>
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### Number of Serious Violations – FY 2019
Confined Space in Construction

[1926.1200 – .1212]

Number of Serious Violations – FY 2019

- Training – Employer must provide training: 12 violations
- General Requirements – Competent person identifies all confined spaces: 9 violations
- General Requirements – Written permit space program: 6 violations
- General Requirements – Internal atmosphere testing prior to entering: 6 violations
- Permit-Required Confined Space Program – Identify and evaluate hazards: 6 violations
## Cranes and Derricks in Construction

[1926.1400 – .1442]

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<th>29 CFR 1926.1412(d)(1)</th>
<th>Inspections – Visual inspection by competent person</th>
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<td>1926.1428(a)</td>
<td>Signal person qualification – Must meet qualification requirements</td>
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<td>1926.1412(f)(1)</td>
<td>Inspection – Inspection of equipment at least every 12 months</td>
<td>5</td>
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<tr>
<td>1926.1402(b)</td>
<td>Ground conditions – No assembling unless ground conditions are firm</td>
<td>4</td>
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<tr>
<td>1926.1403(a)</td>
<td>Assembly/disassembly – Manufacturer procedures</td>
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**Number of Serious Violations – FY 2019**