MOST FREQUENTLY CITED SERIOUS VIOLATIONS

Construction Industry FY2020

OSHA Federal Standards
October 1, 2019 – September 30, 2020
## Most Frequently Cited Serious Violations in Construction 2020

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>M .501(b)(13)</td>
<td>Fall Protection – Residential construction</td>
<td>3598</td>
</tr>
<tr>
<td>E .102(a)(1)</td>
<td>Eye &amp; Face Protection – Use of appropriate protection</td>
<td>1354</td>
</tr>
<tr>
<td>X .1053(b)(1)</td>
<td>Ladders – Not extended 3 feet above landing</td>
<td>1311</td>
</tr>
<tr>
<td>M .503(a)(1)</td>
<td>Fall Protection – Training for those exposed to fall hazards</td>
<td>1141</td>
</tr>
<tr>
<td>M .501(b)(1)</td>
<td>Fall Protection – Unprotected sides &amp; edges</td>
<td>879</td>
</tr>
<tr>
<td>E .100(a)</td>
<td>Head Protection – Use of protection</td>
<td>799</td>
</tr>
<tr>
<td>J .453(b)(2)(v)</td>
<td>Aerial Lifts – Fall protection</td>
<td>530</td>
</tr>
<tr>
<td>C .21(b)(2)</td>
<td>General Safety &amp; Health Provision – Inspections by a competent person</td>
<td>487</td>
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<tr>
<td>C .20(b)(2)</td>
<td>General Safety &amp; Health Provision – Frequent and regular inspections</td>
<td>460</td>
</tr>
<tr>
<td>C .20(b)(1)</td>
<td>General Safety &amp; Health Provision – Employer to maintain program</td>
<td>452</td>
</tr>
</tbody>
</table>

Number of Serious Violations – FY 2020
NUMBER OF SERIOUS VIOLATIONS – FY 2020

**GENERAL SAFETY & HEALTH PROVISIONS**

[1926.20 – .35]

- **.21(b)(2) SAFETY TRAINING & EDUCATION – RECOGNITION & AVOIDANCE OF UNSAFE HAZARDS**
  - 487

- **.20(b)(2) GENERAL SAFETY & HEALTH PROVISION – INSPECTIONS BY A COMPETENT PERSON**
  - 460

- **.20(b)(1) GENERAL SAFETY & HEALTH PROVISIONS – ACCIDENT PREVENTION PROGRAMS**
  - 452

- **.25(a) HOUSEKEEPING – WORK AREA SHALL BE KEPT CLEAN**
  - 75

- **.28(a) PERSONAL PROTECTIVE EQUIPMENT – EMPLOYER RESPONSIBLE FOR EMPLOYEES WEARING PPE**
  - 60
Number of Serious Violations – FY 2020

- **.62(d)(1)(i) Lead – Determining Exposure at or Above Action Levels**: 21 violations
- **.62(d)(1)(iii) Lead – Employer Shall Collect Personal Samples**: 17 violations
- **.59 Hazardous Communication**: 15 violations
- **.50(g) Medical Service & First Aid – Quick Drenching or Flushing of the Eyes & Body**: 11 violations
PERSONAL PROTECTIVE & LIFE SAVING EQUIPMENT
[1926.95 – .107]

**.102(a)(1) Eye & Face Protection – Use of Appropriate Protection**
- 1354 violations

**.100(a) Head Protection – Use of Protection**
- 799 violations

**.95(a) PPE – Provided, Used & Maintained**
- 65 violations

**.102(a)(2) Eye & Face Protection – Side Protection for Eye Protection**
- 22 violations

**.96 PPE – Employer Provides PPE at No Cost**
- 12 violations

NUMBER OF SERIOUS VIOLATIONS – FY 2020
FIRE PROTECTION & PREVENTION
[1926.150 – .159]

.150(c)(1)(i)  FIRE PROTECTION – 2A FIRE extinguisher provided per 3000 sqft of building
   Number of Violations: 22

.150(a)(1)  FIRE PROTECTION – DEVELOP FIRE PROTECTION PROGRAM
   Number of Violations: 13

.150(c)(1)(iv)  FIRE PROTECTION – FIRE extinguishers rated 2A shall be provided each floor
   Number of Violations: 12

.150(a)(4)  FIRE PROTECTION – FIRE extinguishing equipment shall be inspected
   Number of Violations: 11

.150(c)(1)(vi)  FIRE PROTECTION – Extinguishers within 50ft of 5 gallons of flammable liquids
   Number of Violations: 8

NUMBER OF SERIOUS VIOLATIONS – FY 2020
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SIGNS, SIGNALS & BARRICADES [1926.200 – .203]

- **.200(g)(1)**  Accident Prevention Signs – Traffic signs at points of hazard: 22 violations
- **.200(g)(2)**  Accident Prevention Signs – Traffic signs conforming with MUTCD: 16 violations
- **.201(a)**  Signaling – Signaling by Flaggers: 16 violations
- **.200(a)**  Accident Prevention Signs – Signs shall be visible at all time: 2 violations
- **.200(c)(1)**  Accident Prevention Signs – Caution signs shall be used: 2 violations
NUMBER OF SERIOUS VIOLATIONS – FY 2020

29 CFR 1926.

SUBPART H

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

.251(a)(2)(i) RIGGING EQUIPMENT – PERMANENTLY AFFIXED IDENTIFICATION
12

.251(a)(1) RIGGING EQUIPMENT – INSPECTION & REMOVAL FROM SERVICE
10

.252(a) DISPOSAL – EXTERIOR DROP CHUTES
10

.251(b)(1) RIGGING EQUIPMENT – PERMANENT AFFIXED IDENTIFICATION ON STEEL CHAINS
5

.251(a)(6) INSPECTIONS – SLINGS AND ATTACHMENTS INSPECTED EACH DAY BEFORE USE
6
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Violations</th>
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<tbody>
<tr>
<td>.300(b)(1)</td>
<td>General Requirements – Tools designed for guards</td>
<td>90</td>
</tr>
<tr>
<td>.304(d)</td>
<td>Woodworking tools – Guarding of portable circular saws</td>
<td>42</td>
</tr>
<tr>
<td>.300(b)(2)</td>
<td>General Requirements – Rotating or moving parts shall be guarded</td>
<td>18</td>
</tr>
<tr>
<td>.303(b)(1)</td>
<td>Abrasive wheels &amp; tools – Grinding machines shall have safety guards</td>
<td>17</td>
</tr>
<tr>
<td>.304(f)</td>
<td>Woodworking tools – Meet requirements of ANSI 01.1-1961</td>
<td>17</td>
</tr>
</tbody>
</table>
WELDING & CUTTING
[1926.350 -.354]

.350(a)(9)  GAS WELDING – CYLINDER SECURED UPRIGHT  18

.350(a)(10)  GAS WELDING – OXYGEN CYLINDERS STORED SEPARATED FROM FUEL-GAS CYLINDERS  14

.351(b)(2)  FIRE PREVENTION – NO WELDING, CUTTING, OR HEATING NEAR FLAMMABLES  8

.350(a)(11)  GAS WELDING – INSIDE OF BUILDINGS, CYLINDERS SHALL BE STORED  5

.351(b)(4)  ARC WELDING – CABLES IN NEED OF REPAIR SHALL NOT BE USED  5

NUMBER OF SERIOUS VIOLATIONS – FY 2020
ELECTRICAL
[1926.400 – .449]

- **.416(a)(1)** General Requirements — No work near any part of an electrical circuit
  - Number of violations: 111

- **.405(g)(2)(iv)** Wiring Methods — Strain Relief
  - Number of violations: 104

- **.416(e)(1)** General Requirements — Worn & frayed cords and cables
  - Number of violations: 102

- **.404(f)(6)** Wiring Design — grounding path
  - Number of violations: 100

- **.403(b)(2)** General Requirements — Installation & use
  - Number of violations: 68

Number of Serious Violations — FY 2020
**SCAFFOLDS**

[1926.450 – .454]

**.453(b)(2)(v)**  
Aerial Lifts – Fall Protection While in Basket

**.451(g)(1)**  
General Requirements – Fall Protection Above 10 Feet

**.451(e)(1)**  
General Requirements – Safe Access Above 2 Feet

**.451(b)(1)**  
General Requirements – All Working Levels Shall Be Full Planked

**.454(a)**  
Training Requirements – Training by a Qualified Person

**Number of Serious Violations – FY 2020**

- **530**
- **419**
- **364**
- **296**
- **276**
FALL PROTECTION
[1926.500 – .503]

- .501(b)(13) FALL PROTECTION – RESIDENTIAL CONSTRUCTION
  - 3598

- .503(a)(1) TRAINING REQUIREMENTS – TRAINING FOR THOSE EXPOSED TO FALL HAZARDS
  - 1141

- .501(b)(1) FALL PROTECTION – UNPROTECTED SIDES & EDGES
  - 879

- .501(b)(10) FALL PROTECTION – ROOFING WORK ON LOW-SLOPED ROOFS
  - 382

- .503(b)(1) TRAINING REQUIREMENTS – WRITTEN CERTIFICATION RECORD
  - 328

NUMBER OF SERIOUS VIOLATIONS – FY 2020
HELIPLANTERS, HOISTS, ELEVATORS, & CONVEYORS
[1926.550 – .556]

.552(a)(1)  HOISTS & ELEVATORS – COMPLYING WITH MANUFACTURER’S SPECIFICATIONS

.552(a)(4)  HOISTS & ELEVATORS – HOISTING ROPES INSTALLED IN ACCORDANCE WITH WIRE ROPE MANUFACTURER

.552(b)(1)(ii)  HOISTS & ELEVATOR – DOOR OR GATE PROVIDED AT ENTRANCE

.553(a)(4)  HOISTS & ELEVATORS – OPERATING RULES SHALL BE ESTABLISHED & POSTED

.555(a)(7)  HOISTS & ELEVATORS – ALL ENTRANCES OF THE HOISTWAY SHALL BE PROTECTED

NUMBER OF SERIOUS VIOLATIONS – FY 2020
### Motor Vehicles, Mechanized Equipment, & Marine Operations

**[1926.600 – .606]**

<table>
<thead>
<tr>
<th>Subpart</th>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>.602(d)</td>
<td>Material Handling Equipment – Industrial Truck Operator Training</td>
<td>49</td>
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<tr>
<td>.602(c)(1)(ii)</td>
<td>Material Handling Equipment – Modifications That Affect Capacity Rating</td>
<td>31</td>
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<tr>
<td>.602(c)(1)(vi)</td>
<td>Material Handling Equipment – Industrial Trucks ANSI B56.1 1969</td>
<td>26</td>
</tr>
<tr>
<td>.602(c)(1)(vii)</td>
<td>Material Handling Equipment – Ride Only in Safe Place</td>
<td>7</td>
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</table>

**Number of Serious Violations – FY 2020**
## Excavations

[1926.650 – 652]

<table>
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<th>Rule Number</th>
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</tr>
</thead>
<tbody>
<tr>
<td>.652(a)(1)</td>
<td>Protective Systems — Cave-in Protection</td>
<td>439</td>
</tr>
<tr>
<td>.651(c)(2)</td>
<td>Excavation Requirements — Means of Egress</td>
<td>232</td>
</tr>
<tr>
<td>.651(k)(1)</td>
<td>Excavation Requirements — Daily Inspections by Competent Person</td>
<td>143</td>
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<tr>
<td>.651(j)(2)</td>
<td>Excavation Requirements — Protection of Employees from Materials</td>
<td>141</td>
</tr>
<tr>
<td>.651(k)(2)</td>
<td>Excavation Requirements - Removal from Trench by Competent Person</td>
<td>58</td>
</tr>
</tbody>
</table>

Number of Serious Violations — FY 2020
CONCRETE & MASONRY CONSTRUCTION
[1926.700 – .706]

29 CFR 1926.

NUMBER OF SERIOUS VIOLATIONS – FY 2020

- **.701(b) GENERAL REQUIREMENTS — REINFORCING STEEL GUARDED**
  - 92

- **.703(a)(1) CAST-IN-PLACE — FORMWORK DESIGNED TO SUPPORT LOADS**
  - 7

- **.706(b) MASONRY — MASONRY WALLS OVER 8 FEET SHALL BE BRACED**
  - 7

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

- **.703(d)(1) CAST-IN-PLACE — ADEQUATELY SUPPORTED TO PREVENT OVERTURNING AND COLLAPSE**
  - 3
STEEL ERECTION
[1926.750 – .761]

- **.760(a)(1)** Fall Protection – Protection from Fall Hazards
  - Number of Serious Violations: 90

- **.761(b)** Training – Fall Hazard Training
  - Number of Serious Violations: 31

- **.760(d)(1)** Fall Protection – Perimeter Safety Cables Installed
  - Number of Serious Violations: 12

- **.754(a)** Structural Steel Assembly – Stability shall be maintained at all times
  - Number of Serious Violations: 5

- **.760(a)(2)** Fall Protection – Fall Protection equipment shall conform to 1926.502
  - Number of Serious Violations: 5

NUMBER OF SERIOUS VIOLATIONS – FY 2020
### Underground Construction, Caissons, Cofferdams, & Compressed Air

**[1926.800 – .804]**

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<tr>
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<tbody>
<tr>
<td>.800(g)(5)(ii)</td>
<td>Underground Construction – Provide rescue for more than 25 employees</td>
<td>1</td>
</tr>
<tr>
<td>.800(j)(3)</td>
<td>Underground Construction – Record of all air quality test</td>
<td>1</td>
</tr>
<tr>
<td>.800(r)(6)(ii)</td>
<td>Underground Construction – No employee shall ride haulage equipment</td>
<td>1</td>
</tr>
<tr>
<td>.802(b)</td>
<td>Cofferdams – Warning signs for evacuation of employees</td>
<td>1</td>
</tr>
<tr>
<td>.802(c)</td>
<td>Cofferdams – At least two means of rapid exits</td>
<td>1</td>
</tr>
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</table>

**Number of Serious Violations – FY 2020**
NUMBER OF SERIOUS VIOLATIONS – FY 2020

DEMOlITION
[1926.850 – .860]

.850(a) PREPARATORY OPERATIONS - ENGINEERING SURVEY

.850(c) PREPARATORY OPERATIONS – UTILITIES SHUT OFF OR CAPPED

.850(b) PREPARATORY OPERATIONS – BRACING FOR FLOORS OR WALLS DAMAGED

.850(e) PREPARATORY OPERATIONS – DETERMINE ANY TYPE OF HAZARDOUS CHEMICALS

.850(i) PREPARATORY OPERATIONS – ALL FLOOR OPENING NOT BEING USED, SHALL BE COVERED

27
6
5
5
5
ELECTRICAL POWER TRANSMISSION & DISTRIBUTION
[1926.950 – .968]

NUMBER OF SERIOUS VIOLATIONS – FY 2020

- .960(c)(1)(iii) Working on or near exposed energized parts – no employee approaches or takes conductive object
  - 7 violations

- .960(c)(1)(iii)(A) Working on or near exposed energized parts – employee is insulated from energized part
  - 3 violations

- .950(b)(1)(i) General – employee training
  - 2 violations

- .952(a)(2) Job briefing – briefing conducted by the employee in charge
  - 2 violations

- .952(b) Job briefing – subjects to be covered during job briefing
  - 2 violations
ROLLOVER PROTECTIVE STRUCTURE; OVERHEAD PROTECTION [1926.1000 - .1003]

1. **.1000(b) Scope — Equipment manufactured before July 15, 2019**

   1

NUMBER OF SERIOUS VIOLATIONS — FY 2020
Stairways & Ladders
[1926.1050 – .1060]
TOXIC & HAZARDOUS SUBSTANCES
[1926.1100 – .1152]

- **.1153(c)(1)** [Respirable Crystalline Silica — Employees engaging in a task on Table 1] 132 violations
- **.1153(d)(2)(i)** [Respirable Crystalline Silica — Employer shall assess exposure] 105 violations
- **.1153(g)(1)** [Respirable Crystalline Silica — Description of the task] 65 violations
- **.1153(i)(1)** [Respirable Crystalline Silica — Hazardous Communication] 31 violations
- **.1153(i)(2)(i)** [Respirable Crystalline Silica — Employees covered by training] 26 violations

NUMBER OF SERIOUS VIOLATIONS — FY 2020
CONFINED SPACE IN CONSTRUCTION
[1926.1200 – .1212]

- **.1203(a)** General Requirements – Competent Person identifies all confined spaces: 14 violations
- **.1207(a)** Training – Employer must provide training: 6 violations
- **.1203(d)** General Requirements – Written permit space program: 3 violations
- **.1203(e)(2)(iii)** General Requirements – Internal atmosphere testing prior to entering: 3 violations
- **.1204(i)** Permit-Required Confined Space Program – Emergency and rescue services: 3 violations

Number of Serious Violations – FY 2020
CRANES AND DERRICKS IN CONSTRUCTION
[1926.1400 – .1442]

- **.1428(a)** Signal Person Qualification – Must meet qualification requirements
- **.1425(c)(3)** Keeping Clear of the Load – Rigged by a Qualified Rigger
- **.1427(a)** Operator Qualifications – Employer ensure that operator is trained, certified, & evaluated
- **.1412(f)(1)** Inspection – Inspection of equipment at least every 12 months
- **.1425(c)(1)** Keeping Clear of the Load – Rigged to prevent unintentional displacement

Number of Serious Violations – FY 2020