MOST FREQUENTLY CITED SERIOUS VIOLATIONS

CONSTRUCTION INDUSTRY FY 2017

OSHA Federal Standards
October 1, 2016 – September 30, 2017
## Most Frequently Cited Serious Violations in Construction 2017

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**Number of Serious Violations – FY 2017**
GENERAL SAFETY & HEALTH
[1926.20 – .35]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- GENERAL SAFETY & HEALTH PROVISION – INSPECTIONS BY A COMPETENT PERSON: 507
- SAFETY TRAINING & EDUCATION - EMPLOYEE TRAINING PROGRAMS: 406
- GENERAL SAFETY & HEALTH PROVISIONS – INITIATE & MAINTAIN ACCIDENT PREVENTION PROGRAMS: 267
- PERSONAL PROTECTIVE EQUIPMENT – EMPLOYER RESPONSIBILITY: 104
- HOUSEKEEPING – WORK AREA SHALL BE KEPT CLEAN: 94
**Occupational Health & Environmental Controls**

[1926.50 – .66]

- **Lead – Determining Exposure at or Above Action Levels**
  - 62(d)(1)(i) - 47 violations

- **Medical Service & First Aid – Suitable Facilities for Quick Drenching or Flushing of the Eyes and Body**
  - 50(g) - 29 violations

- **Gases, Vapors, Fumes, Dust & Mist – Implementing Administrative or Engineering Controls First**
  - 55(b) - 16 violations

- **Medical Service & First Aid – Certified Person Available to Render First Aid**
  - 50(c) - 14 violations

- **Occupational Noise Exposure – Effectives Hearing Conservation Program**
  - 52(d)(1) - 14 violations

**Number of Serious Violations – FY 2017**
PERSONAL PROTECTIVE & LIFE SAVING EQUIPMENT
[1926.95 – .107]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- **Eye and Face Protection – Use of appropriate protection**: 1389 violations
- **Head Protection – Use of protection**: 923 violations
- **PPE – Provided Used & Maintained**: 127 violations
- **Required Eye & Face Protection – ANSI Requirements**: 28 violations
- **Working over or near water – Where the danger of drowning exist**: 13 violations

29 CFR 1926.
NUMBER OF SERIOUS VIOLATIONS – FY 2017

29 CFR 1926.

**Fire Protection & Prevention**

[1926.150 – .159]

- 150(c)(1)(i) Fire Protection – 2A Fire Extinguisher Provided per 3000 sqft of Building: 28 violations
- 150(c)(1)(vi) Fire Protection – Extinguishers with 50ft of 5 gallons of flammable liquids: 25 violations
- 150(a)(4) Fire Protection – Firefighting equipment shall be periodically inspected: 19 violations
- 150(c)(1)(viii) Fire Protection – Portable extinguishers inspected periodically: 19 violations
- 152(d)(4) Flammable Liquids – 20 B:C provided on all tank trucks: 12 violations

*Subpart F*
Signs, Signals & Barricades [1926.200 – .203]

Number of Serious Violations – FY 2017

- Accident Prevention Signs – Traffic signs conforming with MUTCD
  - 200(g)(2): 16

- Accident Prevention Signs – Traffic signs at point of hazards
  - 200(g)(1): 13

- Signaling – Flaggers signaling & use
  - 201(a): 4

- Barricades – Protection for employees shall conform with Part VI MUTCD
  - 202: 3

- Accident Prevention Signs – Signs shall be visible at all times
  - 200(a): 2
MATERIALS HANDLING, STORAGE, USE & DISPOSAL
[1926.250 – .252]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- 252(a) - Disposal – Exterior Drop Chutes: 19
- 251(a)(1) - Rigging Equipment - Inspection & Removal from Service: 14
- 251(a)(2)(i) - Rigging Equipment – Permanently Affixed Identification: 12
- 251(a)(6) - Rigging Equipment – Slings & All Fastenings Shall Be Inspected: 8
- 251(b)(1) - Rigging Equipment – Welding Alloy Steel Chain Sling Identification: 8
TOOLS: HAND & POWER
[1926.300 – .307]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- **GENERAL REQUIREMENTS – TOOLS DESIGNED FOR GUARDS**
  - 300(b)(1): 78

- **WOODWORKING TOOLS – GUARDING OF PORTABLE CIRCULAR SAWS**
  - 304(d): 41

- **WOODWORKING TOOLS – CIRCULAR HAND-FED RIPSAW SHALL BE GUARDED BY A HOOD**
  - 304(i)(1): 32

- **WOODWORKING TOOLS – GUARDING OF CIRCULAR CROSSCUT TABLE SAW**
  - 304(h)(1): 31

- **GENERAL REQUIREMENTS – GUARDING OF ROTATING/MOVING PARTS**
  - 300(b)(2): 29
WELDING & CUTTING
[1926.350 -.354]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- **GAS WELDING – OXYGEN CYLINDER STORAGE**: 21 violations
  - 350(a)(10)
- **GAS WELDING – CYLINDER SECURED UPRIGHT**: 21 violations
  - 350(a)(9)
- **ARC WELDING – CABLES SHALL BE FREE FROM REPAIR OR SPLICE**: 5 violations
  - 351(b)(2)
- **FIRE PREVENTION – FIRE EXTINGUISHER AVAILABLE**: 5 violations
  - 352(d)
- **ARC WELDING – USING CABLES NEEDING REPAIR**: 4 violations
  - 351(b)(4)
NUMBER OF SERIOUS VIOLATIONS – FY 2017

**ELECTRICAL [1926.400 – .449]**

- **Wiring Design – Grounding Path**: 144
- **General Requirements – No employer shall permit work near any part of an electric circuit**: 138
- **Wiring Methods – Flexible cord strain relief**: 121
- **General Requirements – Worn & frayed cords and cables**: 112
- **General Requirements – Equipment installation & use**: 95
Scaffolds [1926.450 – .454]

Number of Serious Violations – FY 2017

- Aerial Lifts – Fall Protection While in Basket
  - 453(b)(2)(v): 682

- General Requirements – Fall Protection Above 10 Feet
  - 451(g)(1): 608

- General Requirements – Safe Access Above 2 Feet
  - 451(e)(1): 484

- General Requirements – All Working Levels Shall Be Full Planked
  - 451(b)(1): 374

- General Requirements – Protection by PFAS or Guard Rail System
  - 451(g)(1)(vii): 298
FALL PROTECTION [1926.500 – .503]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- FALL PROTECTION – RESIDENTIAL CONSTRUCTION
  - 501(b)(13):
  - 4273 violations

- TRAINING REQUIREMENTS – TRAINING FOR THOSE EXPOSED TO FALL HAZARDS
  - 503(a)(1):
  - 1243 violations

- FALL PROTECTION – UNPROTECTED SIDES & EDGES
  - 501(b)(1):
  - 1061 violations

- FALL PROTECTION ROOFING WORK ON LOW-SLOPED ROOFS
  - 501(b)(10):
  - 593 violations

- FALL PROTECTION – ROOFING WORK ON STEEP ROOFS
  - 501(b)(11):
  - 486 violations
HELI Cohelitors, Hoists, Elevators, and Conveyors
[1926.550 – .556]

Number of Serious Violations – FY 2017

- **552(a)(1)**: Hoists & Elevators – Complying with Manufacturer’s Recommendations
- **554(a)(6)**: 2
- **552(b)(1)(i)**: Hoists & Elevators – Operating rules shall be established & posted
- **552(b)(2)**: 1
- **552(b)(3)**: Hoists & Elevators – Overhead protective covering

- **Overhead Hoists – Shall meet the applicable requirements**
- **552(b)(2)**: 1

29 CFR 1926.
Motor Vehicles, Mechanized Equipment, & Marine Operations
[1926.600 – .606]
EXCAVATIONS
[1926.650 – .652]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

PROTECTIVE SYSTEMS – CAVE-IN PROTECTION
652(a)(1) 430

EXCAVATION REQUIREMENTS – MEANS OF EGRESS
651(c)(2) 205

EXCAVATION REQUIREMENTS – DAILY INSPECTIONS BY COMPETENT PERSON
651(k)(1) 184

EXCAVATION REQUIREMENTS – PROTECTION FROM FALLING/ROLLING MATERIALS & EQUIPMENT
651(j)(2) 157

EXCAVATION REQUIREMENTS - EMPLOYEE REMOVAL FROM TRENCH BY COMPETENT PERSON
651(k)(2) 49
CONCRETE & MASONRY CONSTRUCTION
[1926.700 – .706]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- **GENERAL REQUIREMENTS – REINFORCING STEEL GUARDED**
  - 701(b): 101

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

- **EQUIPMENT & TOOLS – EQUIPMENT SHALL BE LOCKED & TAGGED**
  - 702(i)(1): 3

- **CAST-IN-PLACE – DRAWING OR PLANS AVAILABLE AT THE JOBSITE**
  - 703(a)(2): 3

- **CAST-IN-PLACE – ERECTED SHORING EQUIPMENT SHALL BE INSPECTED**
  - 703(b)(3): 3
Steel Erection
[1926.750 – .761]

Number of Serious Violations – FY 2017

- **Fall Protection – Protection from Fall Hazards**
  - 760(a)(1): 132

- **Training – Fall Hazard Training**
  - 761(b): 35

- **Structural Steel Assembly – Stability Shall Be Maintained at All Times**
  - 754(a): 6

- **Fall Protection – Connections for Fall Arrest Systems**
  - 760(b)(3): 6

- **Fall Protection – Criteria for Fall Protection Equipment Shall Conform with 1926.502**
  - 760(d)(1): 4
# Underground Construction, Caissons, Cofferdams, and Compressed Air

[1926.800 – .804]

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<tr>
<td>800(j)(1)(i)(A)</td>
<td>1</td>
</tr>
<tr>
<td>800(k)(1)(i)</td>
<td>1</td>
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</table>

**Underground Construction – Employee shall provide & maintain safe means of access**

**Underground Construction – Atmosphere in all underground work areas shall be tested**

**Underground Construction – Fresh air shall be supplied to all underground work**

**Number of Serious Violations – FY 2017**
**Demolition**

[1926.850 – .860]

**Number of Serious Violations – FY 2017**

- **Preparatory Operations - Engineering Survey Prior to Demolition Operations**
  - 850(a) - 48

- **Mechanical Demolitions – Inspections by a Competent Person**
  - 859(g) - 9

- **Preparatory Operations – Open Walls Protected by a Height of 42 Inches**
  - 850(g) - 6

- **Stairs, Passageways & Ladders – Shall be Periodically Inspected**
  - 851(b) - 6

- **Preparatory Operations – Utilities Shut off or Capped**
  - 850(c) - 5
Blasting and the Use of Explosives

[1926.900 – .914]

Number of Serious Violations – FY 2017

- **Loading of Explosives – Equipment shall not be operated within 50 feet**
  - 905(h): 2

- **General Provisions – Special precautions shall be taken when blasting in congested areas**
  - 900(h): 1

- **Blaster Qualifications – Shall be knowledgeable & competent**
  - 901(e): 1
POWER TRANSMISSION AND DISTRIBUTION
[1926.950 – .968]

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<td>JOB BRIEFING – BRIEFING BY THE EMPLOYEE IN CHARGE</td>
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<td>954(b)(1)(i)</td>
<td>PPE – PERSONAL FALL ARREST SYSTEMS SHALL MEET THE REQUIREMENTS OF SUBPART M</td>
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<td>960(c)(1)(ii)</td>
<td>WORKING ON OR NEAR EXPOSED ENERGIZED PARTS – EMPLOYER SHALL ESTABLISH MINIMUM APPROACH DISTANCES</td>
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<td>WORKING ON OR NEAR EXPOSED ENERGIZED PARTS – ENERGIZED PAST IS INSULATED FROM THE EMPLOYEE</td>
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**STAIRWAYS AND LADDERS**

[1926.1050 – .1060]

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<td>Ladders – appropriate use</td>
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<td>Ladders – using top step as a step</td>
<td>220</td>
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<td>Training – ladder &amp; stairway hazard training</td>
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<td>Ladders – portable ladders with structural defects</td>
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**Number of Serious Violations – FY 2017**
NUMBER OF SERIOUS VIOLATIONS – FY 2017

29 CFR 1926.

ASBESTOS – EXPOSURE ASSESSMENT BY A COMPETENT PERSON
1101(f)(2)(i) 24

ASBESTOS – EXPOSURE MONITORING
1101(f)(1)(i) 14

ASBESTOS – DETERMINE PRESENCE, LOCATION & QUANTITY OF ACM/PACM
1101(k)(2)(i) 14

ASBESTOS – IDENTIFY PRESENCE, LOCATION & QUANTITY OF ACM/PACM
1101(k)(3)(i) 11

ASBESTOS – TRAINING PROGRAM
1101(k)(9)(i) 10

TOXIC & HAZARDOUS SUBSTANCES
[1926.1100 – .1152]
CONFINED SPACE IN CONSTRUCTION
[1926.1200 – .1212]

GENERAL REQUIREMENTS – COMPETENT PERSON IDENTIFIES ALL CONFINED SPACES

1203(a) 16

TRAINING – EMPLOYER MUST PROVIDE TRAINING

1207(a) 15

GENERAL REQUIREMENTS – WRITTEN PERMIT SPACE PROGRAM

1203(d) 7

GENERAL REQUIREMENTS – GUARDING OF ALL ENTRANCE COVERS

1203(e)(2)(iii) 7

PERMIT-REQUIRED CONFINED SPACE PROGRAM – IDENTIFY & EVALUATE THE HAZARDS

1204(b) 4

NUMBER OF SERIOUS VIOLATIONS – FY 2017
### CRANES AND DERRICKS IN CONSTRUCTION

[1926.1400 – .1442]

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<td>1408(a)(2)</td>
<td><strong>Power Line Safety Equipment Operations – Part of equipment could get closer than 20 feet</strong></td>
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<td>1412(e)(1)</td>
<td><strong>Inspections – Equipment inspected each month it is in service</strong></td>
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<td>1412(f)(1)</td>
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<td><strong>Work Area Control – Maintain barriers around hazard area</strong></td>
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**Number of Serious Violations – FY 2017**