

Roof Anchor Certification Program

Prepared by: Pro-Bel Marketing Department

OVERVIEW OF THE ROOF ANCHOR CERTIFICATION PROCESS

 <p>IDENTIFY</p>	<p>Roof plans with an engineer’s seal of approval (stamped, signed, and dated) are the main control documents certifying the system. At a minimum, they consist of a roof plan that identifies the location of the anchors, and important equipment and structural details.</p>
 <p>INSPECT</p>	<p>Per OSHA and most manufacturers, anchor inspections are required annually, at a minimum, and must be completed by a Qualified Person. Inspector must:</p> <ul style="list-style-type: none"> • Perform Visual deficiency inspection of the anchors • Review the engineered roof plan drawings or other available documents
 <p>TEST</p>	<p>Anchors for RDS require load testing. Testing must be completed in coordination with manufacturer’s requirements and as prescribed by, and under the direction and supervision of a professional engineer.</p>
 <p>MAINTAIN</p>	<p>Following the inspection, if deficiencies are noted, maintenance or repair is required to be completed by a Qualified Person (certified service technician).</p>
 <p>CERTIFY</p>	<p>Once above requirements per OSHA 1910.27(b)(1)(i) have been met, anchors are certified. Re-certification is required at intervals of 10 years when load testing is due (5 years for adhesive anchors).</p>

SHARED RESPONSIBILITY

This process involves building owners, employers (window cleaners) and sometimes other trade professionals working together with a shared responsibility to implement the certification program. For example, building owners/ property managers are responsible for ensuring a Qualified Person (such as Pro-Bel) certifies each anchor.

PARTIALLY CERTIFIED/ UNCERTIFIED ANCHOR

In general, this process of certification may take time, and needs to be taken in steps. However, if possible, during the certification process, specific control measures can be put in place to keep scheduled window cleaning on track even without full certification



ABOUT THE PROGRAM

Pro-Bel's Roof Anchor Certification Program will help guide building owners, managers and employers through compliance and certification of roof anchors. This certification is in respect to OSHA requirements for Rope Decent Systems (RDS) for window cleaning and fall protection; working safely at heights under OSHA's General Industry Walking-Working Surface and Fall Protection standard. As per OSHA's 2017 updates, building owners are required to identify, test, maintain and certify anchors for Rope Decent Systems (RDS) and Fall Protection.

The certification service is delivered by Pro-Bel's expert team of compliance specialists, professional engineers and experienced staff. Consultation begins by signing up for our annual inspection service and/or other

services depending on the degree of compliance. This certification management program is already underway for those with current annual inspection and service agreements with us.

HOW TO GET STARTED

For those already subscribed to the Pro-Bel annual inspections services, the mechanics of the Roof Anchor Certification Management Program are already set in motion. If not, there is no reason to be concerned, simply contact our U.S. Inspection Department with the building or structure's address and/or name and one of our compliance specialists will guide you through the certification process. A quick search of our system archives will be completed, and further information may be requested as needed.





THE CERTIFICATION PROCESS

Certification is a combination of things. OSHA states anchors for Rope Descent Systems (RDS) must be identified, inspected, tested and maintained. Based on these criteria, the Pro-Bel Certification Process is as follows:

1. Engineered Roof Plans for Rope Descent Systems (RDS)

Roof plans with an engineer’s seal of approval (stamped, signed, and dated) are the main control documents certifying the system. At a minimum, they consist of a roof plan that identifies the location of the anchors, equipment sections detailing the structural attachment and material characteristics of the anchors and supporting structure. They also include important general and restrictive usage, inspection, testing and maintenance notes that workers (window cleaners) must read and understand prior to starting work. They also aid in the production of work plans prior to the start of a project.

2. Inspection

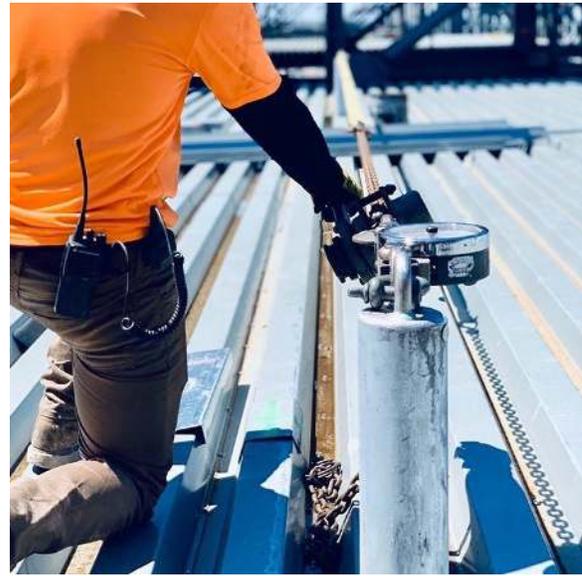
Per OSHA and most manufacturers, anchor inspections are required annually, at a

minimum, and must be completed by a Qualified Person.

- Visual deficiency inspection of the anchors
- Review of the engineered roof plan drawings or other available documents for the anchors



Inspection results must be documented in a report that states whether the anchors are acceptable for safe use, conditionally acceptable for use (meaning safe for use with exceptions or restrictions), or not acceptable for use. Reports must be made available on site in a logbook. It should also be noted that, in addition to the inspection by a Qualified Person, workers or users must inspect their equipment, before, during and after use. If deficiencies or hazardous conditions are noted they must stop use immediately and report to Pro-Bel or the Qualified Person/company managing the anchor certification program.



3. Testing

Anchors for RDS require load testing. Testing must be completed in coordination with manufacturer's requirements and as prescribed by, and under the direction and supervision of a professional engineer:

- first use and at intervals of 10 years thereafter for recertification
- Every 5 years when anchor is secured to structure with adhesive fasteners
- During the production process of engineered roof plan drawing/s for certification

Test results are to be documented with an engineer approved report (stamped, signed, and dated) and should be kept on file in equipment logbooks located on site. Any anchors that are deemed unacceptable for

safe use must not be used until corrective action is taken.

4. Maintenance and Repair

Following the inspection, if deficiencies are noted, maintenance or repair is required to be completed by a Qualified Person (certified service technician). Once completed, a maintenance and repair report is prepared to document the scope of work completed and to deem if the anchor/s in question is/are considered acceptable for safe use. This report will be after the inspection reports and should be kept on site with the logbook.

5. Certification

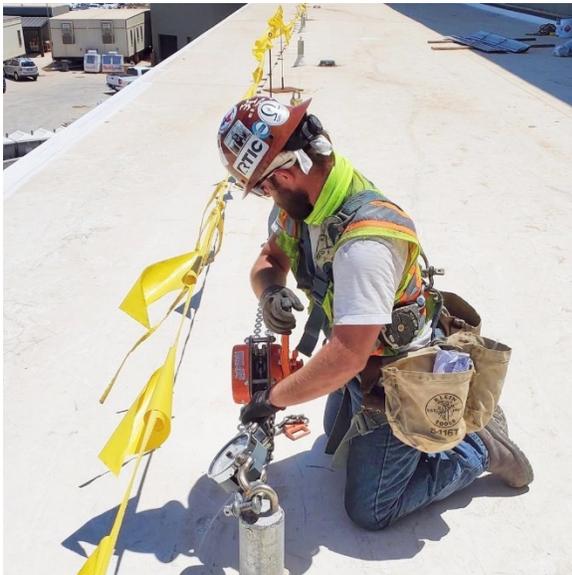
Certification that each anchor meets the requirements in 1910.27(b)(1)(i).



PARTIALLY CERTIFIED / UNCERTIFIED ANCHOR

In general, this process of certification may take time, and needs to be taken in steps. However, if possible, during the certification process, specific control measures can be put in place to keep scheduled window cleaning on track even without full certification.

Full certification is when there is an engineered roof plan or plans, valid inspection, test, and maintenance/repair reports that reflect the RDS anchors as acceptable for safe use. Any deviation indicates that the Rope Descent System (RDS) anchor system is considered only partially certified or is uncertified. On a case by case basis and under the supervision of a Qualified Person or company such as Pro-



Bel, partially certified or uncertified anchors can be used by implementing a combination of: performance engineering, alternative work practice techniques and administrative controls; in order to provide sufficient protection to workers and ensure proper use with the limitations identified in a work plan.

Our compliance specialists and inspectors will also assess and report on a case-by-case basis. The certification process and progressive efforts will be documented in order to comply with OSHA's Inspection and Citation Guidance for 29 CFR 1910.27(b)(1) - certification of anchors for RDS. Therefore, in the event of an OSHA evaluation by a CSHO (Compliance Safety and Health Officer), building owners that have not met the 2017 deadline for compliance may not be subjected to citation or penalties. This is because they will be able to demonstrate due diligence in working towards compliance with the service of a Qualified Person or industry expert such as Pro-Bel. It should be noted, by certifying the system as soon as possible, it provides a safer workplace with less restrictions and reduces building owner and employer risk and liability.

Overall, through our efforts as Qualified Persons and industry experts we help building owners, managers and employers provide a safe workplace for those working at heights; and in most cases, help to keep scheduled window cleaning on track during this certification and compliance process.



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SHARED RESPONSIBILITY

This certification process involves building owners, employers (window cleaners) and possible other trade professionals working together with a shared responsibility to implement the certification program.

These shared responsibilities may involve but are not limited to:

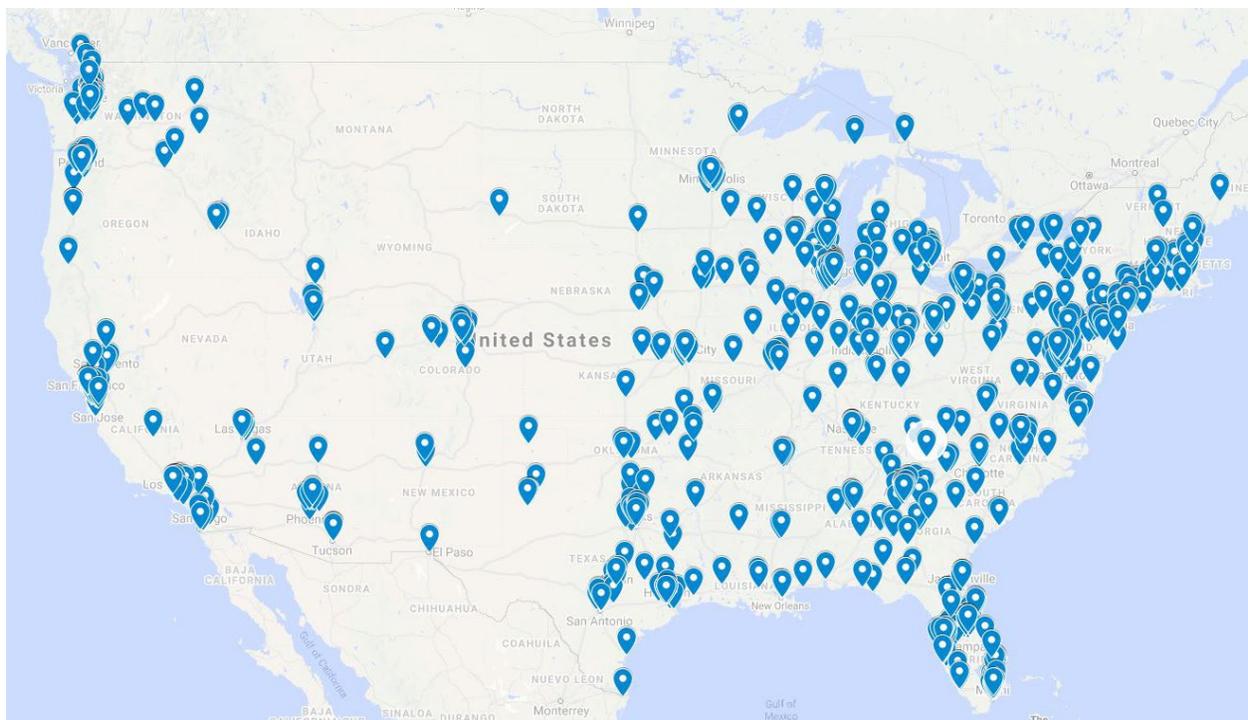
- Preparation of a work plan by the employer (i.e. window cleaner)
- Review of the work plan by a Qualified Person/company such as Pro-Bel
- Issuance of report that Rope Descent System (RDS) anchors are “conditionally acceptable for use”
- Exploring the use of industrial rope access techniques with certified personnel
- Cleaning from ground or lower levels using water-fed poles
- Use of boom lifts or ladders
- Suspended platform (swing stages)
- Counterweighted outrigger beams with tiebacks to anchors
- Production of architectural or structural drawings in order to design and engineer an RDS anchor system
- Installation of new anchors under the guidance of Pro-Bel
- On site supervision
- Load testing
- Engineered drawing production



THE BENEFITS OF WORKING WITH PRO-BEL

- Leading industry experts for high-rise window cleaning safety systems (Rope Descent System (RDS) anchors)
- Pioneered the industry by patenting anchors for high-rise window cleaning safety in the late 1980's
- Largest team of Qualified Persons in North America to accommodate RDS anchor certification
- Successfully manage 6,000+ anchor inspection and certification projects a year
- Team of professional engineers for every state in the union
- Experienced maintenance and installation technicians with 25,000+ installations
- General product liability insurance coverage
- E&O insurance coverage

A quick glance at our current Inspections and Certification portfolio for Rope Descent Systems across the United States:



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CONTACT US

You should get in touch with us to start the certification process when any, or a combination of the following occurs:

- 10-year recertification is coming due or is overdue
- Engineer approved equipment detail only on site (no roof plan identifying anchor locations available)
- Roof plan that is not approved by a professional engineer
- Anchors or structure failed load testing and require corrective action
- Anchors/equipment damaged and require repair/replacement
- The previous 10-year recertification was completed with only testing and no drawing production; Typically done before OSHA standard for Rope Descent System (RDS) was released
- No information is available on the anchor system and/or the building/structure is without anchors
- Additional anchors are required for safety and function

To start the Certification process, get in touch with one of our Compliance Specialists below:

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