

Post-Tensioning Checklist

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Pre-Tensioning Design & Planning

Checks related to the design review, calculations, and planning phase before any on-site work begins.

Design Post-Tensioning Force (kips)

Design Post-Tensioning Stress (psi)



Summary of Design Assumptions

Write something...

Design Calculations

 Upload File

Design Code Used

- ACI 318
- Other (Specify in LONG_TEXT)

Date of Design Review Completion

Enter date...

Notes from Design Review (if any)

Write something...

Design Approved?

Yes

No

Approver Name (if approved)

Write something...

Material Inspection & Handling

Verification of post-tensioning materials, including tendons, anchorages, and grout, upon delivery to the site.

Tendons Lot Number(s)

Enter a number...

Manufacturer's Certificate Review - Summary of Findings

Write something...

Number of Tendons Received

Enter a number...

Number of Anchor Plates Received

Enter a number...


Visual Inspection of Tendons (Select all that apply)

- Rust
- Damage
- Corrosion
- Clean
- Other

Grout Material Type Received

- Cementitious
- Non-Shrink
- Polymer-Modified
- Other

Upload Photos of Received Materials (if any issues found)

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Notes/Comments regarding material condition.

Write something...

Sheathing & Formwork

Checks pertaining to the preparation and stability of the sheathing and formwork system that will hold the tendons.

Sheathing Thickness (inches)

Formwork Deflection Limit (inches)

Sheathing Material Type

- Plywood
- OSB
- Composite
- Other (specify)

Describe Formwork System & Support

Formwork Condition

- Good
- Fair
- Poor

Sheathing & Formwork Defects Observed?

- Cracks
- Borer Holes
- Loose Fasteners
- Warping
- None

If defects observed, describe in detail

Write something...

Date of Formwork Inspection

Enter date...

Inspector Signature

Tendons Placement & Stressing

Detailed inspection of tendon placement, alignment, and the stressing process itself.

Tendons Total Number Verified?

Tendons Orientation Correct?

Yes

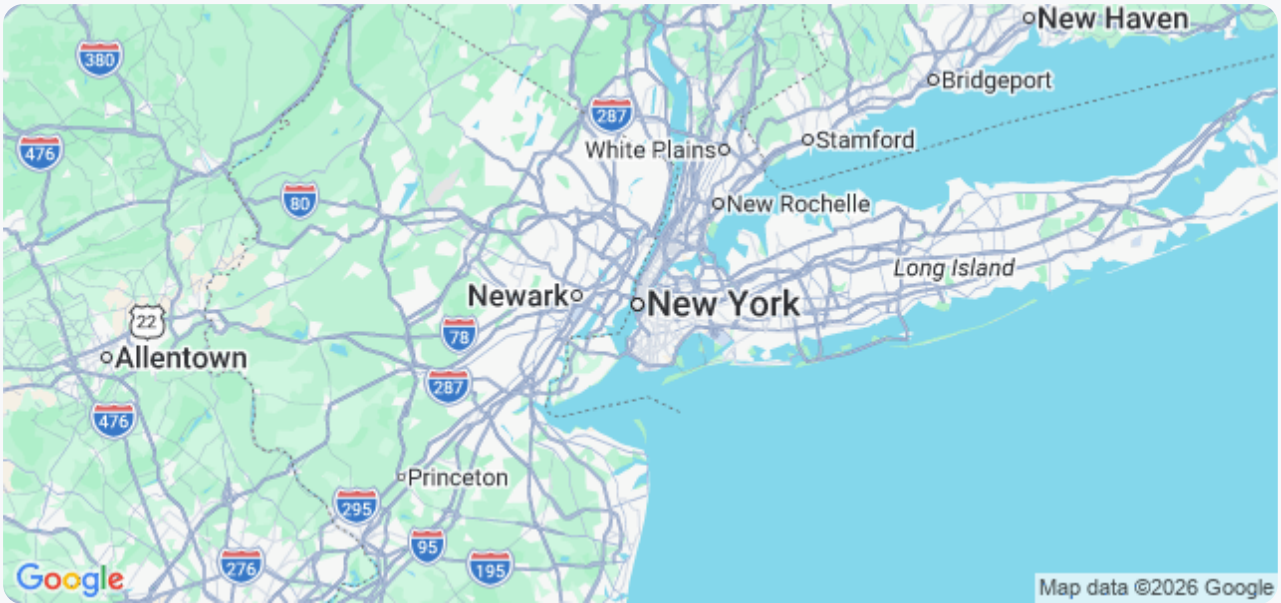
No

NA

Tendon Diameter Verified (inches)?

Tendons Placement Location Verified?

 [Set My Current Location](#)



Stage 1 Stressed Force (kips)?

Enter a number...

Stage 1 Measured Extension (inches)?

Enter a number...

Stage 2 Stressed Force (kips)?

Enter a number...

Stage 2 Measured Extension (inches)?

Stressing Completion Date

Stressing Notes and Observations

Anchor Plate & Anchorage Inspection

Verification of anchor plate installation and anchorage conditions before and after stressing.

Anchor Plate Identification Number

Anchor Plate Condition (Visual)

- Good
- Fair
- Poor

Anchor Bolt Torque (kN·m)

Enter a number...

Anchor Bolt Condition

- Correct
- Damaged
- Missing

Description of any Anchor Bolt Issues

Write something...

Anchor Plate Alignment (mm)

Enter a number...

Photograph of Anchor Plate & Anchorage

 Upload File

Corrosion on Anchor Plate

- None
- Minor
- Moderate
- Severe

Details regarding any corrosion found.

Write something...

Grouting

Comprehensive checks related to the grouting process, including materials, mixing, placement, and monitoring.

Grout Mix Water/Cement Ratio

Enter a number...

Grout Slump (if applicable)

Enter a number...

Grout Type

- Non-Shrink Cementitious Grout
- Epoxy Grout
- Polyurethane Grout
- Other (Specify)

Grout Batching Record Details (Batch Number, Date, Time, etc.)

Write something...

Grout Air Voids Test Results (Select all that apply)

- Pass
- Fail
- Not Performed

Grouting Start Date

Enter date...

Grouting Start Time

Enter time...

Description of Grouting Procedure Followed

Write something...

Grout Test Results (e.g., Compression Strength)

 Upload File

Grouting Completion Status

- Complete
- In Progress
- Not Started

Post-Grouting Inspection & Testing

Verification of post-grouting activities, including acceptance criteria and required testing.

Date of Post-Grouting Inspection

Enter date...

Start Time of Post-Grouting Inspection

Enter time...

Ambient Temperature (°C)

Enter a number...

Grout Temperature (°C) - Initial

Enter a number...

Grout Temperature (°C) - Final

Enter a number...

Grout Pressure during Placement (psi)

- Within Specification
- Out of Specification - Documented


Visual Inspection Findings (Select all that apply)

- No Air Voids Observed
- Air Voids Observed - Documented
- Grout Segregation Observed
- Leakage Observed
- No Surface Defects
- Surface Defects Observed - Documented

Detailed Observations and Comments (Any anomalies, corrections, or concerns)

Write something...

Photographs of Post-Grouting Activities

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Overall Assessment

- Acceptable
- Unacceptable - Requires Remedial Action

Documentation & Record Keeping

Ensuring all necessary records, calculations, and certifications are properly documented and maintained.

Design Calculations & Drawings

 Upload File

Record of Design Review Comments & Resolutions

Write something...

Date of Stressing Operation

Enter date...

Maximum Tendon Stress Reached (psi)

Enter a number...

Description of Any Deviations from Approved Procedures

Write something...

Quality Control Personnel Present During Stressing

- Project Engineer
- Post-Tensioning Foreman
- Third-Party Inspector
- Other (Specify)

Details of Any Re-stressing Operations

Write something...

Grout Test Results (Slump, Air Content, etc.)

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Post-Tensioning Supervisor Signature