



Column/Beam Alignment And Plumbness Checklist

 Show only Checklist

Display Style
Default 

Column Base and Footing Alignment

Verifies the alignment of columns to their foundation footings and establishes the initial plumbness.

Column Base to Footing Offset (East-West)

Enter a number...

Column Base to Footing Offset (North-South)

Enter a number...



Column Base to Footing Offset (Vertical)

Enter a number...

Footing Alignment Verification Method

- ☐ Tape Measure
- ☐ Laser Level
- ☐ Transit/Theodolite
- ☐ Other (Specify in Long Text)

Detailed Description of Alignment Verification Process (if 'Other' selected above)

Write something...

Tolerance for Base to Footing Offset (East-West)

Enter a number...

Tolerance for Base to Footing Offset (North-South)

Enter a number...

Tolerance for Base to Footing Offset (Vertical)

Status of Alignment

- ☐ Aligned
- ☐ Minor Adjustment Required
- ☐ Major Adjustment Required

Column Verticality (Plumbness)

Checks the verticality of columns using appropriate measurement techniques and tolerances.

Column ID

Verticality Deviation (at base)

Verticality Deviation (at midpoint)

Verticality Deviation (at top)

Enter a number...

Measurement Method

- ☐ Plumb Bob
- ☐ Laser Level
- ☐ Spirit Level
- ☐ Total Station

Within Tolerance?

- ☐ Yes
- ☐ No

Notes / Observations

Write something...

Plumbness Photo

 Upload File

Tolerance Limit (inches/mm)

Write something...

Column Head Alignment

Confirms the alignment of columns at the top, ensuring proper connection points for beams.

Column Head Elevation (Relative to Datum)

Enter a number...

Discrepancy from Design Elevation

Enter a number...

Column Head Alignment Method

☐ Laser Level

☐ Spirit Level & Tape

☐ Plumb Bob

Horizontal Offset from Design Line (Column A)

Enter a number...

Horizontal Offset from Design Line (Column B)

Enter a number...

Column Head Alignment Status

- ☐ Within Tolerance
- ☐ Outside Tolerance - Corrective Action Required

Notes on Column Head Alignment (If Applicable)

Write something...

Photo Evidence of Column Head Alignment

 Upload File

Beam Alignment to Column

Checks the horizontal alignment of beams to the supporting columns. Focuses on ensuring proper seating and levelness.

Column Line Offset (mm/inches)

Enter a number...

Beam Centerline Offset from Column Face (mm/inches)

Enter a number...

Beam Top Elevation Relative to Column Top (mm/inches)

Enter a number...

Beam Seating Condition

- ☐ Proper Seat
- ☐ Minor Adjustment Required
- ☐ Significant Adjustment Required

Beam Levelness Verification Method

- ☐ Spirit Level
- ☐ Laser Level
- ☐ Digital Level

Notes on Alignment & Seating (if adjustments needed)

Write something...

Inspector Signature

Beam Levelness

Verifies the beam's horizontal plane and overall levelness along its length.

Levelness Check Point 1 - Elevation (ft/in)

Levelness Check Point 1 - Deviation from Design (in)

Levelness Check Point 2 - Elevation (ft/in)

Levelness Check Point 2 - Deviation from Design (in)

Maximum Allowable Deviation (in)

Levelness Within Tolerance?

- ☐ Yes
- ☐ No

Notes/Corrective Actions (if applicable)

Write something...

Supporting Photos/Level Readings

 Upload File

Column/Beam Connection Alignment

Confirms the accurate alignment of column and beam connection points for proper bolting/welding.

Column-Beam Intersection Offset (Horizontal)

Enter a number...

Column-Beam Intersection Offset (Vertical)

Enter a number...

Bolt Hole Misalignment (Max. Allowed)

Enter a number...

Welding Gap (If Applicable)

Enter a number...

Connection Type

- ☐ Bolted
- ☐ Welded
- ☐ Pinned

Bolt Pattern Verification

- ☐ Correct
- ☐ Incorrect - Requires Adjustment

Notes on Connection Alignment

Write something...

Inspector Signature

Review of Survey Data & Reference Points

Ensures alignment and plumbness checks are performed relative to established survey points and reference lines.

Survey Data Reviewed?

☐ Yes

☐ No

Survey Point Elevation (Reference)

Enter a number...

Grid North Deviation (if applicable)

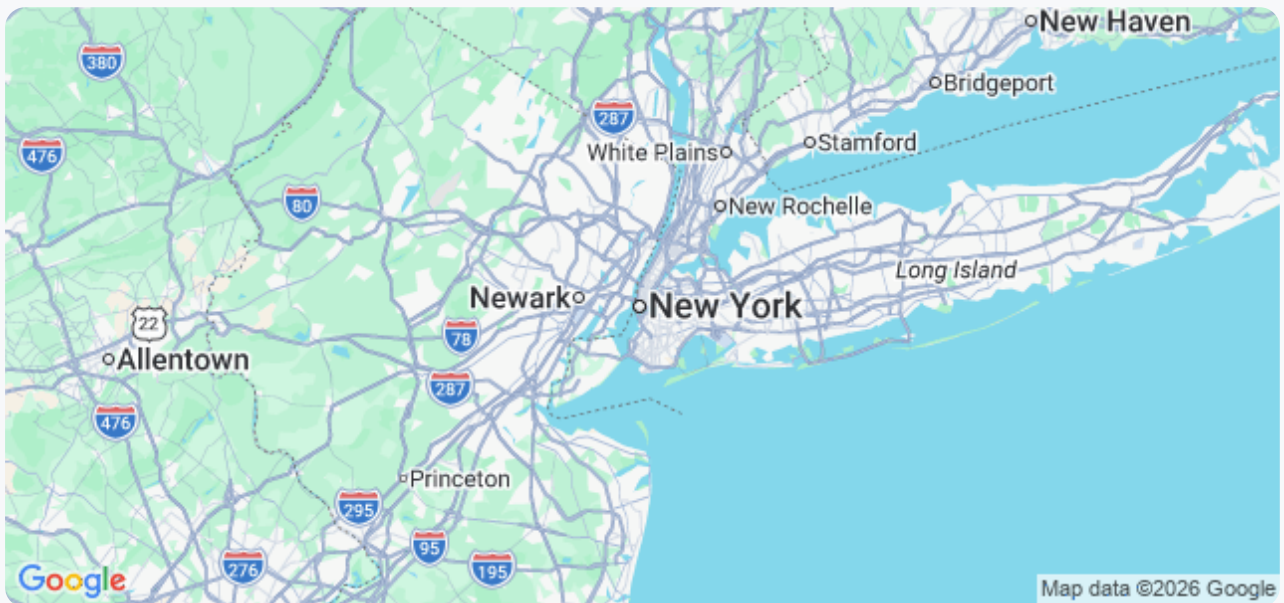
Enter a number...

Description of Survey Data Used

Write something...

Location of Survey Control Points

 [Set My Current Location](#)



Date of Survey Data

Enter date...

Corrections and Re-checks

Documents any corrective actions taken and subsequent re-checks to ensure compliance.

Description of Correction(s) Required

Write something...

Amount of Adjustment (mm/inches)

Enter a number...

Date of Correction

Enter date...

Time of Correction

Enter time...

Method Used for Correction

Write something...

Re-check Measurement (mm/inches)

Enter a number...

Correction Status

- ☐ Complete
- ☐ Partial
- ☐ Not Yet Addressed

Corrector's Signature