# ⊚ ChecklistGuro

# Column/Beam Alignment and Plumbness Checklist

## 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)**

Enter a number...

**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**

Enter a number...

**Verticality Deviation (at base)**

Enter a number...

**Verticality Deviation (at midpoint)**

Enter a number...

**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)**

Enter a number...

**Levelness Check Point 1 - Deviation from Design (in)**

Enter a number...

**Levelness Check Point 2 - Elevation (ft/in)**

Enter a number...

**Levelness Check Point 2 - Deviation from Design (in)**

Enter a number...

**Maximum Allowable Deviation (in)**

Enter a number...

**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

## Method Used for Correction

Write something...

## Re-check Measurement (mm/inches)

Enter a number...

## Correction Status

☐ Complete

☐ Partial

☐ Not Yet Addressed

## Corrector's Signature