Duct Seismic Bracing Inspection Checklist Guide

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Project	Location	Status

Date	Completed by

Applicable Drawings

No.	Done	Check / Requirement	Result	Notes / Evidence
1	☐	Identify the current approved seismic bracing drawings and installation details applicable to the duct run being inspected.		

Restraint Product Approval

No.	Done	Check / Requirement	Result	Notes / Evidence
2	☐	Verify that approved product information and applicable installation instructions are available for the installed restraint system.		

Required Brace Locations

No.	Done	Check / Requirement	Result	Notes / Evidence
3	☐	Verify that each brace required by the approved drawings is present at its designated location.		

Brace Spacing

No.	Done	Check / Requirement	Result	Notes / Evidence
4	☐	Compare installed brace spacing with the approved layout.		

Restraint Directions

No.	Done	Check / Requirement	Result	Notes / Evidence
5	☐	Verify that installed brace directions match the approved transverse and longitudinal restraint details.		

Restraint Types and Sizes

No.	Done	Check / Requirement	Result	Notes / Evidence
6	☐	Match installed restraint types and sizes to the approved product information.		

Brace Angles

No.	Done	Check / Requirement	Result	Notes / Evidence
7	☐	Verify installed brace angles against the approved installation details.		

Brace Condition

No.	Done	Check / Requirement	Result	Notes / Evidence
8	☐	Inspect brace members for visible damage or modifications not shown in the approved documents.		

Duct-Side Attachments

No.	Done	Check / Requirement	Result	Notes / Evidence
9	☐	Verify that brace attachments to the duct or its support assembly match the approved connection details.		

Structural Attachments

No.	Done	Check / Requirement	Result	Notes / Evidence
10	☐	Verify that structural attachment locations and supporting materials match the approved details.		

Connection Hardware

No.	Done	Check / Requirement	Result	Notes / Evidence
11	☐	Compare installed connection hardware types, sizes, and quantities with the approved details.		

Connection Condition

No.	Done	Check / Requirement	Result	Notes / Evidence
12	☐	Inspect connection hardware and attachment components for visible damage or modifications not shown in the approved documents.		

Fastener Tightening

No.	Done	Check / Requirement	Result	Notes / Evidence
13	☐	Verify fastener tightening using the verification method specified in the applicable approved installation instructions; do not assume that visual appearance confirms tightening.		

Visible Anchor Installation

No.	Done	Check / Requirement	Result	Notes / Evidence
14	☐	Compare visible anchor placement, spacing, edge distances, and installation conditions with the approved anchor details and applicable installation instructions.		

Concealed Anchor Characteristics

No.	Done	Check / Requirement	Result	Notes / Evidence
15	☐	Verify that installation records identify the inspected anchor locations and demonstrate the required concealed installation characteristics. Record missing or insufficient evidence as unverifiable.		

Movement Clearances

No.	Done	Check / Requirement	Result	Notes / Evidence
16	☐	Compare clearances between the braced duct assembly and adjacent construction or services with the movement clearances required by the approved documents.		

Movement-Joint Connections

No.	Done	Check / Requirement	Result	Notes / Evidence
17	☐	Where movement joints are designated, verify that duct connections and associated restraints match the approved movement-accommodation details.		

Unresolved Inspection Findings

No.	Done	Check / Requirement	Result	Notes / Evidence
18	☐	Record discrepancies, missing approval information, and unverifiable conditions by location. Keep affected items unresolved until the responsible project professional provides a documented disposition and any required corrective work is verified.		

Comments / Follow-up

Checklist guidance

Where seismic bracing is specified for ductwork, inspection confirms whether the installed assembly matches the approved project details. The reviewed checklist supports a document-based inspection without asking the inspector to infer design requirements or accept conditions that cannot be verified.

1. Identify the duct run and gather the current approved drawings, product information, and applicable installation instructions.

2. Use the reviewed checklist to compare the installed restraints and connections with those documents, without substituting assumed design criteria.

3. Use the specified verification methods and supporting installation records where visual inspection cannot establish compliance with the approved details.

4. Record findings by location and keep affected items unresolved until documented disposition and verification of any required corrective work are complete.

Tick the box when complete. Record Not done or N/A in Result and note any follow-up.