

Staxli drawing check: RFI report

Job: SYN-001 Portal-frame shed (job_01m5xm3d52e0va74ezhne6t38s)

Run: jev_01m5xm3hyyfc6sm40r9hf8ks19, queued 2026-10-27 02:47 UTC

Revision set: S-001 rev A, S-002 rev A, S-101 rev A, S-102 rev A, S-201 rev A, S-301 rev A

Structural set SHA-256: 8195516fe3bad56c159fc382cf9dcd77bd510e0ed5a3b1c6446317b64a48e988

RFIs: 15 (15 open, 0 with an answer recorded)

Questions: 2 (the RFIs grouped by what one answer resolves)

The engineer's drawings listed above were checked for missing, conflicting or unclear information. Each RFI below is a question for the engineer; the box shows where it sits on the drawings.

Raised by AUTO: the automated first pass raised the RFI.

Questions for the engineer: 2

Each question below groups the RFIs that share one cause, so one answer resolves all of them. The question that most member readings wait on comes first. The RFI register after the questions lists every RFI on its own, with its location.

Question 1 | END_PLATE_THICKNESS | 9 RFI(s): RFIs 1-9 | 0 with an answer recorded

Sheets: S-301

Question: What is the end plate thickness at the apex and knee connections (detail A and C, sheet S-301)?

Question 2 | BASE_PLATE_THICKNESS | 6 RFI(s): RFIs 10-15 | 0 with an answer recorded

Sheets: S-301

Question: What is the base plate thickness at the column bases (detail B, sheet S-301)?

RFI register: 15

Each RFI names the question that answers it.

RFI 1 | rfi_A1_apex | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_A1_apex

Location: No location recorded; see the sheet named above.

Question: node_A1_apex: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 2 | rfi_A1_knee | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_A1_knee

Location: No location recorded; see the sheet named above.

Question: node_A1_knee: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 3 | rfi_A2_apex | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_A2_apex

Location: No location recorded; see the sheet named above.

Question: node_A2_apex: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 4 | rfi_A2_knee | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_A2_knee

Location: No location recorded; see the sheet named above.

Question: node_A2_knee: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 5 | rfi_A3_apex | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_A3_apex

Location: No location recorded; see the sheet named above.

Question: node_A3_apex: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 6 | rfi_A3_knee | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_A3_knee

Location: No location recorded; see the sheet named above.

Question: node_A3_knee: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 7 | rfi_B1_knee | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_B1_knee

Location: No location recorded; see the sheet named above.

Question: node_B1_knee: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 8 | rfi_B2_knee | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_B2_knee

Location: No location recorded; see the sheet named above.

Question: node_B2_knee: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 9 | rfi_B3_knee | Sheet S-301 | Status OPEN | Raised by AUTO | Question 1

Reason: PARAMETER_NOT_STATED | Node: node_B3_knee

Location: No location recorded; see the sheet named above.

Question: node_B3_knee: no drawing, profile or rule states END_PLATE_THICKNESS; please advise

RFI 10 | rfi_A1_base | Sheet S-301 | Status OPEN | Raised by AUTO | Question 2

Reason: PARAMETER_NOT_STATED | Node: node_A1_base

Location: No location recorded; see the sheet named above.

Question: node_A1_base: no drawing, profile or rule states BASE_PLATE_THICKNESS; please advise

RFI 11 | rfi_A2_base | Sheet S-301 | Status OPEN | Raised by AUTO | Question 2

Reason: PARAMETER_NOT_STATED | Node: node_A2_base

Location: No location recorded; see the sheet named above.

Question: node_A2_base: no drawing, profile or rule states BASE_PLATE_THICKNESS; please advise

RFI 12 | rfi_A3_base | Sheet S-301 | Status OPEN | Raised by AUTO | Question 2

Reason: PARAMETER_NOT_STATED | Node: node_A3_base

Location: No location recorded; see the sheet named above.

Question: node_A3_base: no drawing, profile or rule states BASE_PLATE_THICKNESS; please advise

RFI 13 | rfi_B1_base | Sheet S-301 | Status OPEN | Raised by AUTO | Question 2

Reason: PARAMETER_NOT_STATED | Node: node_B1_base

Location: No location recorded; see the sheet named above.

Question: node_B1_base: no drawing, profile or rule states BASE_PLATE_THICKNESS; please advise

RFI 14 | rfi_B2_base | Sheet S-301 | Status OPEN | Raised by AUTO | Question 2

Reason: PARAMETER_NOT_STATED | Node: node_B2_base

Location: No location recorded; see the sheet named above.

Question: node_B2_base: no drawing, profile or rule states BASE_PLATE_THICKNESS; please advise

RFI 15 | rfi_B3_base | Sheet S-301 | Status OPEN | Raised by AUTO | Question 2

Reason: PARAMETER_NOT_STATED | Node: node_B3_base

Location: No location recorded; see the sheet named above.

Question: node_B3_base: no drawing, profile or rule states BASE_PLATE_THICKNESS; please advise

Review flags: 13

An amber flag is for the checker to confirm; it is not an RFI.

PLANNER_TYPICAL_DETAIL | APEX/C: Detail C on S-301 is applied to every apex.

PLANNER_TYPICAL_DETAIL | BASE/B: Detail B on S-301 is applied to every base.

PLANNER_TYPICAL_DETAIL | KNEE/A: Detail A on S-301 is applied to every knee.

VIEW_NOT_READ | S-002/TYPICAL NOTES: The text in view 'TYPICAL NOTES' was not read automatically. Check it by hand.

LEADER_AMBIGUOUS | S-101/leader 0: The leader of section mark '1/S-201' could point at C1 or R1. Linked to C1; confirm.

VIEW_NOT_READ | S-201/3D VIEW: View '3D VIEW' is an image; its text was not read automatically. Check it by hand.

LEADER_AMBIGUOUS | S-201/leader 3: The leader of detail mark 'A/S-301' could point at C1 or R1. Linked to C1; confirm.

LEADER_AMBIGUOUS | S-201/leader 5: The leader of detail mark 'C/S-301' could point at two places on R1. Linked to the nearer; confirm.

LEADER_AMBIGUOUS | S-301/leader 6: The leader of weld 'WELD 6' could point at more than one item. Linked to the nearest line; confirm.

LEADER_AMBIGUOUS | S-301/leader 7: The leader of bolt callout '8-M24 8.8/S' could point at more than one item. Linked to the bolts; confirm.

RELEASE_RULES_NOT_LOADED | V-08..V-12: Not run on this sample: no fabricator rule table was loaded. Check edge

distance and pitch, clearances, clashes, galvanizing vents and bolt grip by hand before release.

PLANNER_TYPICAL_SECTION | apex: The frame section is applied as typical to frames 1, 2, 3: apex on the centreline of A-B.

BOLT_COUNT_UNCHECKED | bolt groups: Bolt counts were not compared with the drawings automatically. Check them by hand.

Release gates: 6

Release gates are automated consistency checks of the model and of the files written from it. A gate that did not run says so and its reason; it is not a pass. This report is written as the model run ends, so the gates that check the release files, which run after the model is approved, are not in it.

V-05 | COMPILER_BUG | passed | compared 18 | 0 finding(s)

V-08 | DOMAIN_CONFLICT | not run | compared 0 | 0 finding(s)

Note: Not run on this sample: no fabricator rule table was loaded. Check edge distance and pitch, clearances, clashes, galvanizing vents and bolt grip by hand before release.

V-09 | DOMAIN_CONFLICT | not run | compared 0 | 0 finding(s)

Note: Not run on this sample: no fabricator rule table was loaded. Check edge distance and pitch, clearances, clashes, galvanizing vents and bolt grip by hand before release.

V-10 | DOMAIN_CONFLICT | not run | compared 0 | 0 finding(s)

Note: Not run on this sample: no fabricator rule table was loaded. Check edge distance and pitch, clearances, clashes, galvanizing vents and bolt grip by hand before release.

V-11 | DOMAIN_CONFLICT | not run | compared 0 | 0 finding(s)

Note: Not run on this sample: no fabricator rule table was loaded. Check edge distance and pitch, clearances, clashes, galvanizing vents and bolt grip by hand before release.

V-12 | DOMAIN_CONFLICT | not run | compared 0 | 0 finding(s)

Note: Not run on this sample: no fabricator rule table was loaded. Check edge distance and pitch, clearances, clashes, galvanizing vents and bolt grip by hand before release.
