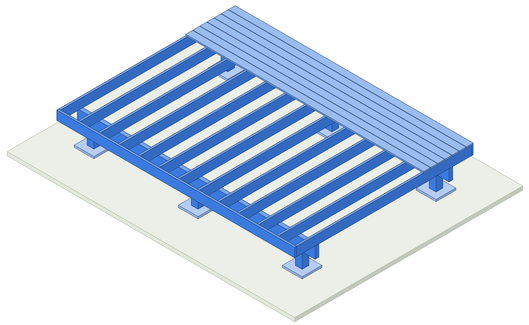
DRAFT · FOR ENGINEER REVIEW · NOT FOR CONSTRUCTION · 8 OPEN ITEMS

THE JOB

A 16 × 12 deck on six posts.

New freestanding wood deck in the back yard: six posts on concrete footings, two beams, joists at 16 in. on centre and deck boards. It does not attach to the house.

Freestanding residential deck, 2'-6" above grade. Not attached to the house.



WHAT THIS SET COVERS Blue is new work — Isometric · not to scale

HOW TO READ THIS SET

(N) New	**(N) New**	New work. Blue on every view.
(E) Existing	**(E) Existing**	Stays in place. Grey on every view.
!	**Engineer**	A value or decision the engineer still owes. Do not build from it until it is filled in.
HOLD	**Hold point**	Stop and get the answer or inspection before going on.
±	**Not confirmed**	Scanned, scaled or assumed. Verify in field (V.I.F.) before cutting.

Start with the picture, then the steps. The plan and section give sizes and locations, and the details show each connection. Anything in red is waiting on the engineer.

SCOPE

NEW	**Footings**	Six concrete footings. Size, depth and reinforcing: ENGINEER
NEW	**Posts and bases**	Pressure-treated 6×6 posts on post bases. Base and anchor: ENGINEER
NEW	**Beams**	(2) 2×10 beams on the posts. Connection: ENGINEER
NEW	**Joists and decking**	2×8 joists at 16 in. o.c. with 5/4×6 decking.
NOT IN THIS SET	**Guards and stairs**	Not shown. ENGINEER

DESIGN CRITERIA

Use	**Residential deck**
Deck height above grade	**2'-6", verify**
Governing code and edition	ENGINEER
Deck live load and snow load	ENGINEER
Soil bearing pressure	ENGINEER
Frost depth	ENGINEER
Lumber species, grade and treatment	ENGINEER
Connectors and fasteners	ENGINEER

SHEET INDEX

S0.0	**Cover, scope and notes**	For the office and the plan reviewer: scope, notes, criteria and open items.
S1.0	**Framing plan, section and details**	For the field: the picture, the steps, the plan, the section and each connection.

NOTES FOR THIS JOB

SCOPE

1. New freestanding wood deck. The deck is not attached to the house and takes no support from it.
2. Work marked **(N)** is new work under this permit.

FRAMING

3. **Footings.** Concrete, six locations. Size, depth and reinforcing: ENGINEER
4. **Posts.** Pressure-treated 6×6 on post bases. Base and anchor: ENGINEER
5. **Beams.** (2) 2×10. Beam to post: ENGINEER
6. **Joists.** 2×8 at 16 in. o.c. Joist to beam: ENGINEER
7. **Lateral stability.** ENGINEER

BEFORE AND DURING THE WORK

8. Locate underground utilities before digging. HOLD
9. Member sizes shown are as proposed by the owner and are not confirmed until the engineer closes the open items on this sheet.
10. Connectors are shown schematically. Install connectors per the manufacturer's instructions.

OPEN ITEMS FOR THE ENGINEER · 8

1. **Member sizes and spans**
   Joists, beams and posts are drawn as the owner proposed. Confirm or revise for the design loads.
   ENGINEER
2. **Footings**
   Diameter, depth below grade, reinforcing and soil bearing. Drawn schematically at 16 in. diameter.
   ENGINEER
3. **Post base and anchor**
   Post base model and its anchor into the footing.
   ENGINEER
4. **Beam-to-post connection**
   Connection of the (2) 2×10 beam to the top of each 6×6 post.
   ENGINEER
5. **Joist-to-beam connection**
   Fastening or connector at each joist over each beam.
   ENGINEER
6. **Lateral bracing**
   The deck is freestanding. Bracing or another means of lateral stability is required and is not yet designed.
   ENGINEER
7. **Guards and stairs**
   Whether guards and stairs are required at this height, and who details them.
   ENGINEER
8. **Design criteria and general notes**
   Code edition, loads, soil and frost data, material grades and the standard general notes for this sheet.
   ENGINEER

The set cannot be issued for permit or construction while this list has entries. Each item also shows in red where it applies on the drawings.

RESERVED: ENGINEER'S GENERAL STRUCTURAL NOTES

The engineer's standard general notes go here: governing code and edition, design loads, lumber species, grades and preservative treatment, fasteners and connectors, concrete and soil bearing, and inspections.

They are not part of this draft.

Your
COMPANY
Your Company
Street address
City, State ZIP
License no.
Phone
website

PROJECT

BACKYARD DECK

New freestanding wood deck

456 Sample Ave
Anytown, ST 00000

DRAFT
FOR ENGINEER REVIEW
NOT FOR CONSTRUCTION

8 open items for the engineer.
Listed on S0.0. Must be 0 to issue.

ENGINEER OF RECORD · SEAL, SIGNATURE, DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NO.	EX-002
DATE	2026-11-12
DRAWN BY	Drafter
CHECKED BY	Engineer

SHEET NAME
COVER, SCOPE AND NOTES

SHEET NUMBER
S0.0
SHEET 1 OF 2

Full size 24 × 36 in.
This square is 1 in × 1 in.

DRAFT · FOR ENGINEER REVIEW · NOT FOR CONSTRUCTION · 8 OPEN ITEMS

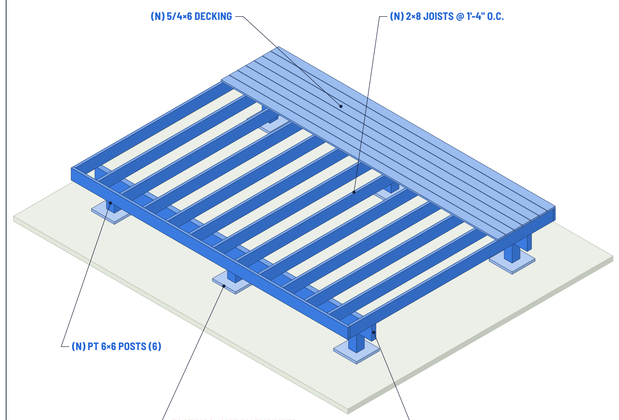
THE JOB

A 16 × 12 deck on six posts.

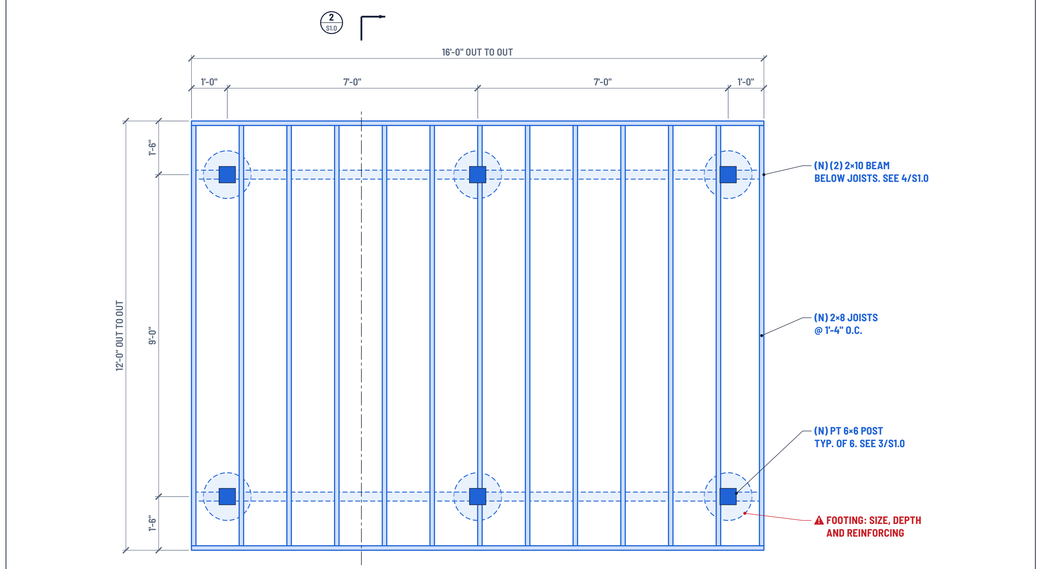
New freestanding wood deck in the back yard: six posts on concrete footings, two beams, joists at 16 in. on centre and deck boards. It does not attach to the house.

SIZE	JOISTS NEW	BEAMS NEW	POSTS NEW	FOOTINGS NEW	DECK HEIGHT
16'-0" × 12'-0"	**2×8 @ 16" O.C.**	**(2) 2×10**	**PT 6×6**	**CONCRETE**	**2'-6"**
Out to out of framing	To beam: ENGINEER	To post: ENGINEER	Six, on post bases: ENGINEER	Size and depth: ENGINEER	Top of deck above grade, verify

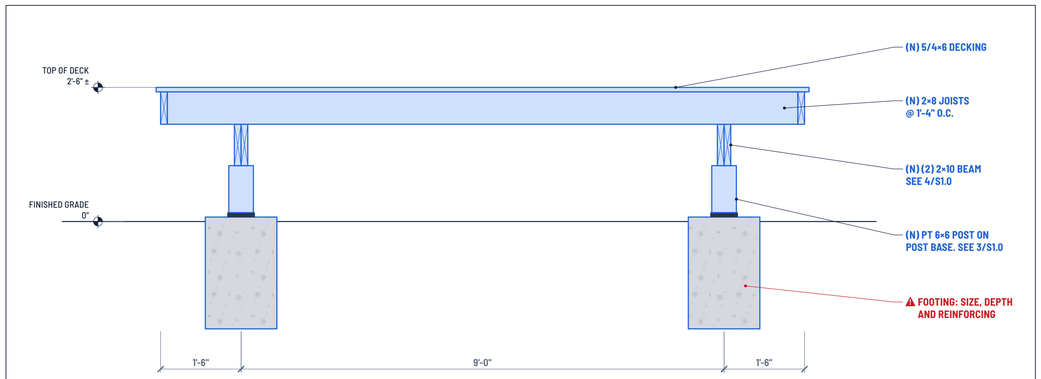
(N) New work · (E) Existing, stays · ⚠ Engineer still owes this · HOLD Stop and ask · ± Verify in field



WHAT YOU ARE BUILDING Decking shown cut away — Isometric · not to scale



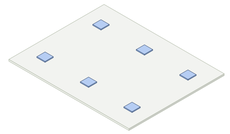
1 FRAMING PLAN — Scale ½" = 1'-0" (0, 1', 2', 4')



2 SECTION ALONG THE JOISTS — Scale ¾" = 1'-0" (0, 1', 2', 3')

HOW THE JOB GOES

1



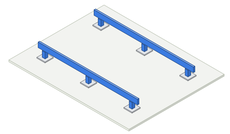
LAY OUT AND POUR THE FOOTINGS

Set out the six footings from the plan. Footing size, depth and reinforcing: ENGINEER

HOLD Footing inspection before concrete is placed.

DETAIL 3

2

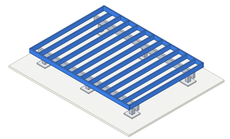


POSTS AND BEAMS

Set each (N) PT 6×6 post on its post base, plumb, and brace it. Set the (N) (2) 2×10 beams on the posts. Beam to post: ENGINEER

DETAILS 3 AND 4

3

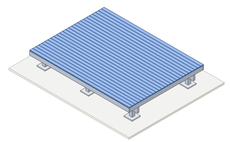


JOISTS

(N) 2×8 joists at 16 in. o.c. over the beams, with a rim joist at each end. Joist to beam: ENGINEER

DETAIL 4

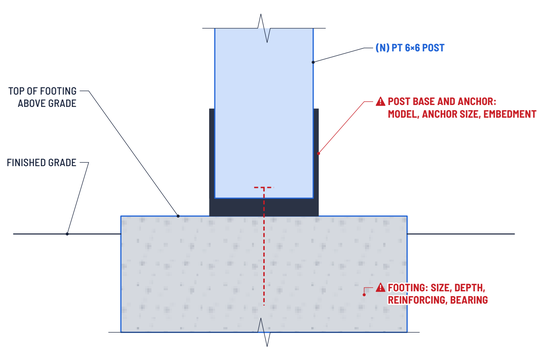
4



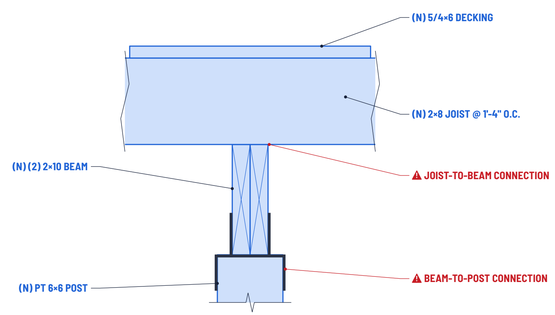
DECKING

(N) 5/4×6 deck boards across the joists. Guards and stairs are not part of this set: ENGINEER

The sequence is for orientation only. Means, methods and site safety are the contractor's responsibility. Hold points shown here are in addition to the inspections required by the building department.



3 POST BASE AND FOOTING Typical of 6 — Scale 3" = 1'-0" (0, 3", 6", 1')



4 JOIST, BEAM AND POST Typical — Scale 2" = 1'-0" (0, 3", 6", 1')

Your COMPANY

Your Company
Street address
City, State ZIP
License no.
Phone
website

PROJECT

BACKYARD DECK

New freestanding wood deck

456 Sample Ave
Anytown, ST 00000

DRAFT
FOR ENGINEER REVIEW
NOT FOR CONSTRUCTION

8 open items for the engineer. Listed on S0.0. Must be 0 to issue.

ENGINEER OF RECORD · SEAL, SIGNATURE, DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT NO.	DATE
EX-002	2026-11-12
DRAWN BY	**CHECKED BY**
Drafter	Engineer

SHEET NAME

FRAMING PLAN, SECTION AND DETAILS

SHEET NUMBER

S1.0

SHEET 2 OF 2

Full size 24 × 36 in.
This square is 1 in × 1 in.