

mbar / proposed porch

P101 BEV layer 1 - posts, beams and bearing lines

East up / north left. Scale 3/8 inch = 1 foot. Dimensions are model placeholders unless field verified.

EAST / YARD

DATUM / SETOUT KEY

A = X 0: house rear model datum.

B = Y 0: East Wing plan line.

Built south face: Y -5 1/4 inches.

C = Z 0: house F1 finished floor.

+X east / +Y north / +Z up.

Negative Y extends toward Red Row.

NO SURVEYED LOT LINE IS SHOWN.

Field-transfer A/B/C before layout.

Coordinates are model-derived,

not field-verified measurements.

See P204 for actual lumber depths.

2x8 actual: 1 1/2 x 7 1/4 inches.

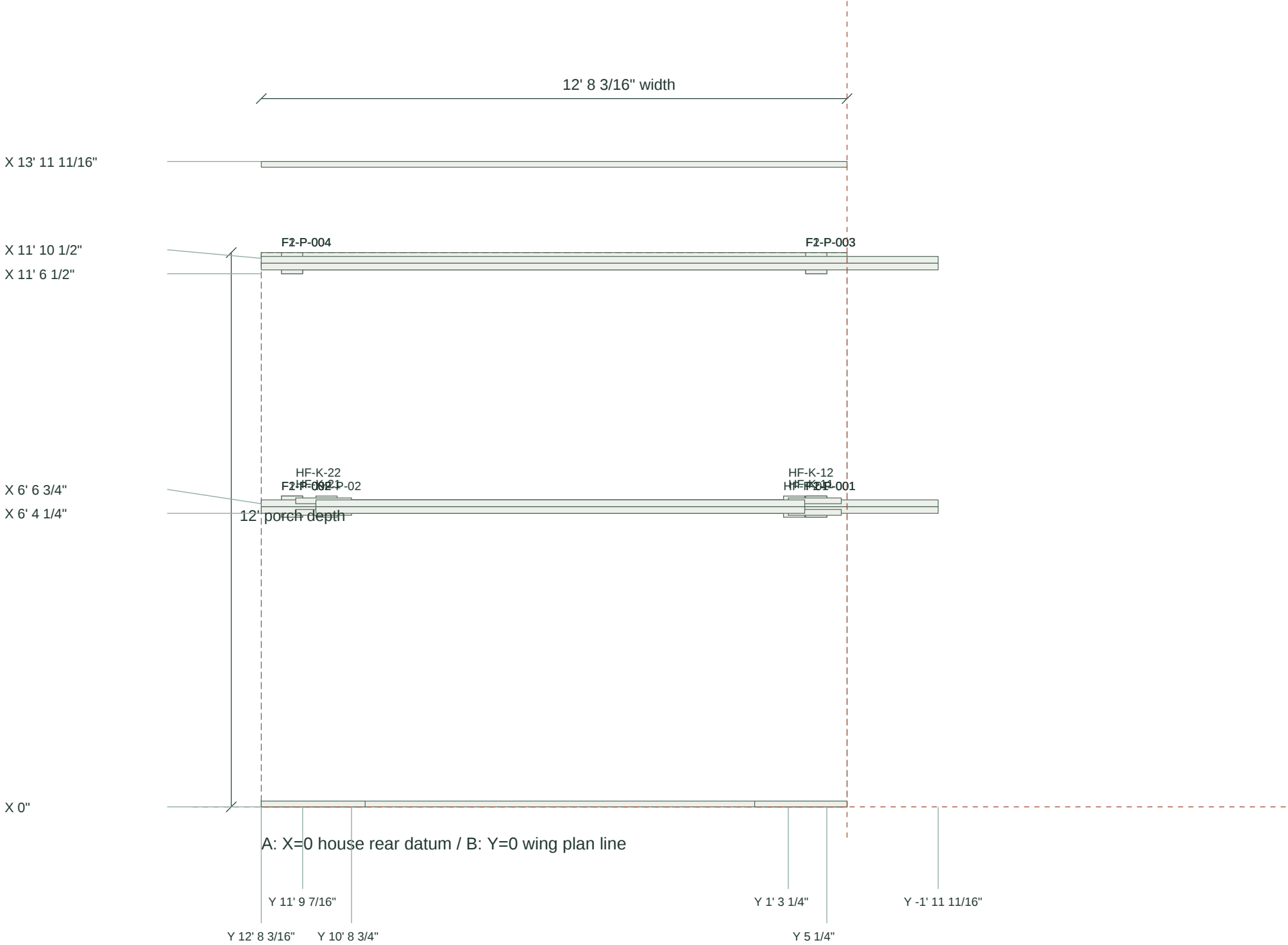
LVL: two 1 3/4 x 9 1/2 plies.

Fitted backing shown on P105.

Roof overhang: 2' 0 7/16"

F1 finish Z 0 (flush indoors); F2 finish Z +118.

Structural sizing remains provisional.

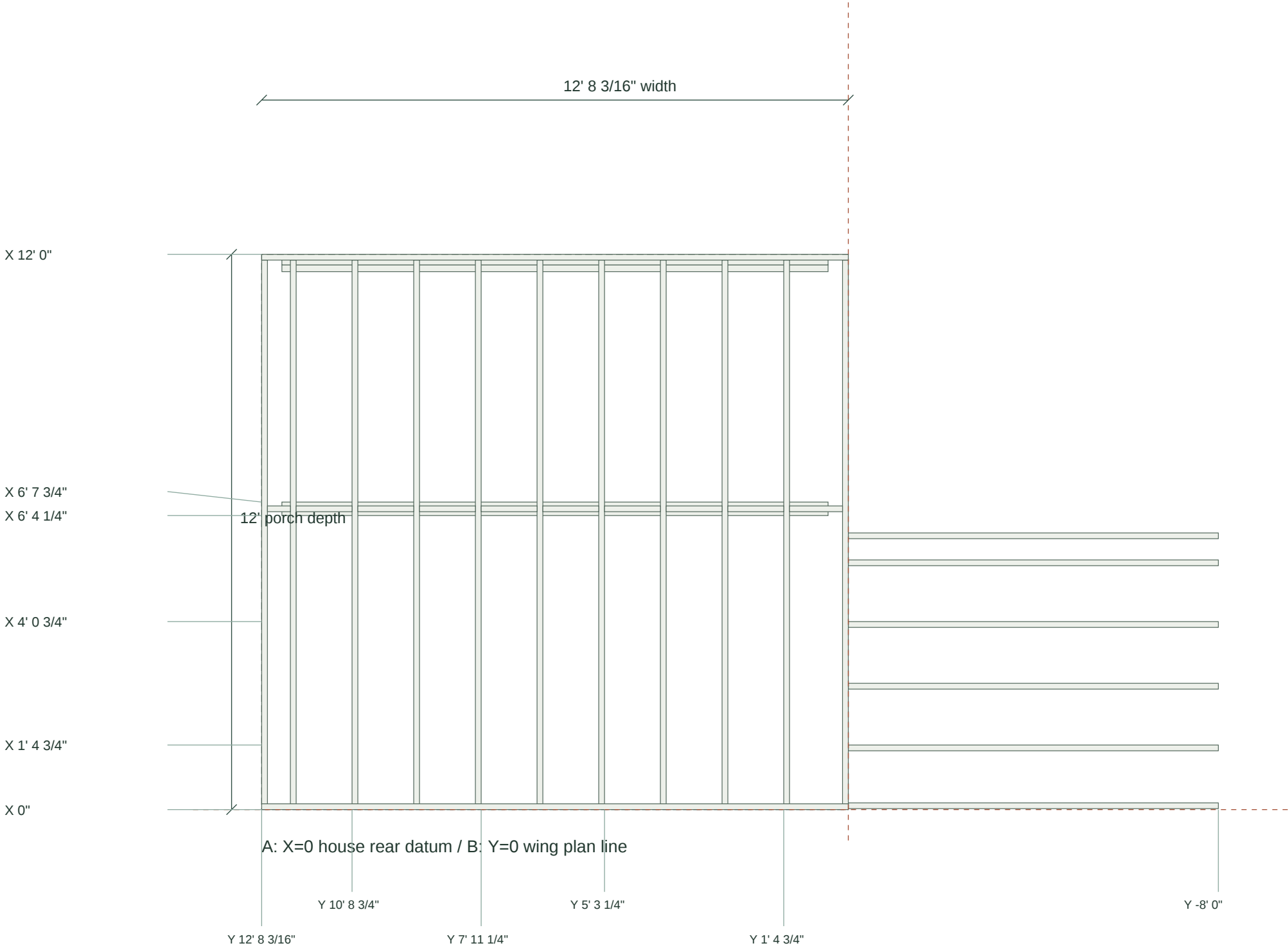


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P102 BEV layer 2 - F1 and bridge joists / blocking

East up / north left. Scale 3/8 inch = 1 foot. Dimensions are model placeholders unless field verified.

EAST / YARD



DATUM / SETOUT KEY

A = X 0: house rear model datum.

B = Y 0: East Wing plan line.

Built south face: Y -5 1/4 inches.

C = Z 0: house F1 finished floor.

+X east / +Y north / +Z up.

Negative Y extends toward Red Row.

NO SURVEYED LOT LINE IS SHOWN.

Field-transfer A/B/C before layout.

Coordinates are model-derived,
not field-verified measurements.

See P204 for actual lumber depths.

2x8 actual: 1 1/2 x 7 1/4 inches.

LVL: two 1 3/4 x 9 1/2 plies.

Fitted backing shown on P105.

Roof overhang: 2' 0 7/16"

F1 finish Z 0 (flush indoors); F2 finish Z +118.

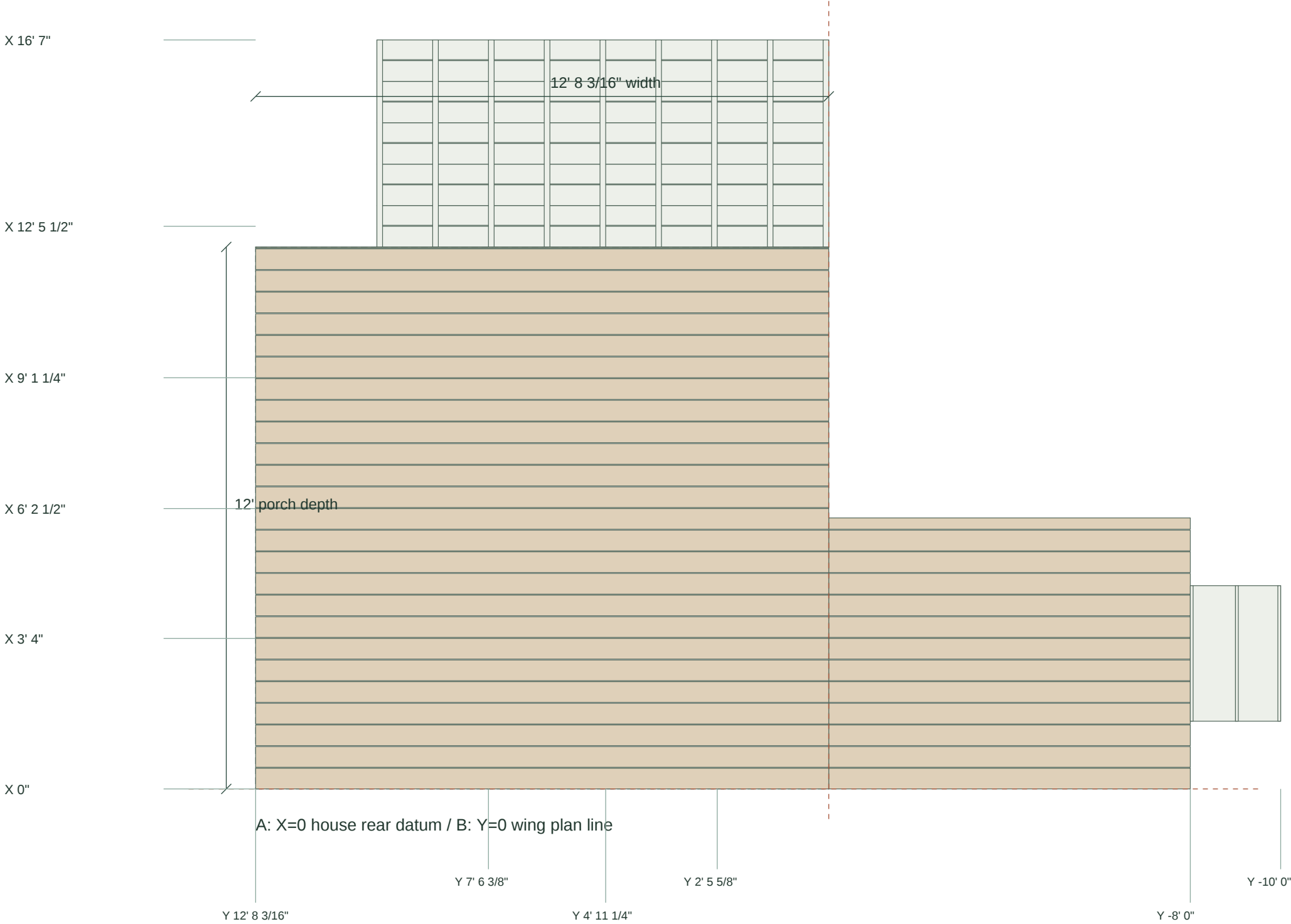
Structural sizing remains provisional.

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P103 BEV layer 3 - lower deck, bridge and stair treads

East up / north left. Scale 3/8 inch = 1 foot. Dimensions are model placeholders unless field verified.

EAST / YARD



DATUM / SETOUT KEY

A = X 0: house rear model datum.

B = Y 0: East Wing plan line.

Built south face: Y -5 1/4 inches.

C = Z 0: house F1 finished floor.

+X east / +Y north / +Z up.

Negative Y extends toward Red Row.

NO SURVEYED LOT LINE IS SHOWN.

Field-transfer A/B/C before layout.

Coordinates are model-derived,
not field-verified measurements.

See P204 for actual lumber depths.

2x8 actual: 1 1/2 x 7 1/4 inches.

LVL: two 1 3/4 x 9 1/2 plies.

Fitted backing shown on P105.

Roof overhang: 2' 0 7/16"

F1 finish Z 0 (flush indoors); F2 finish Z +118.

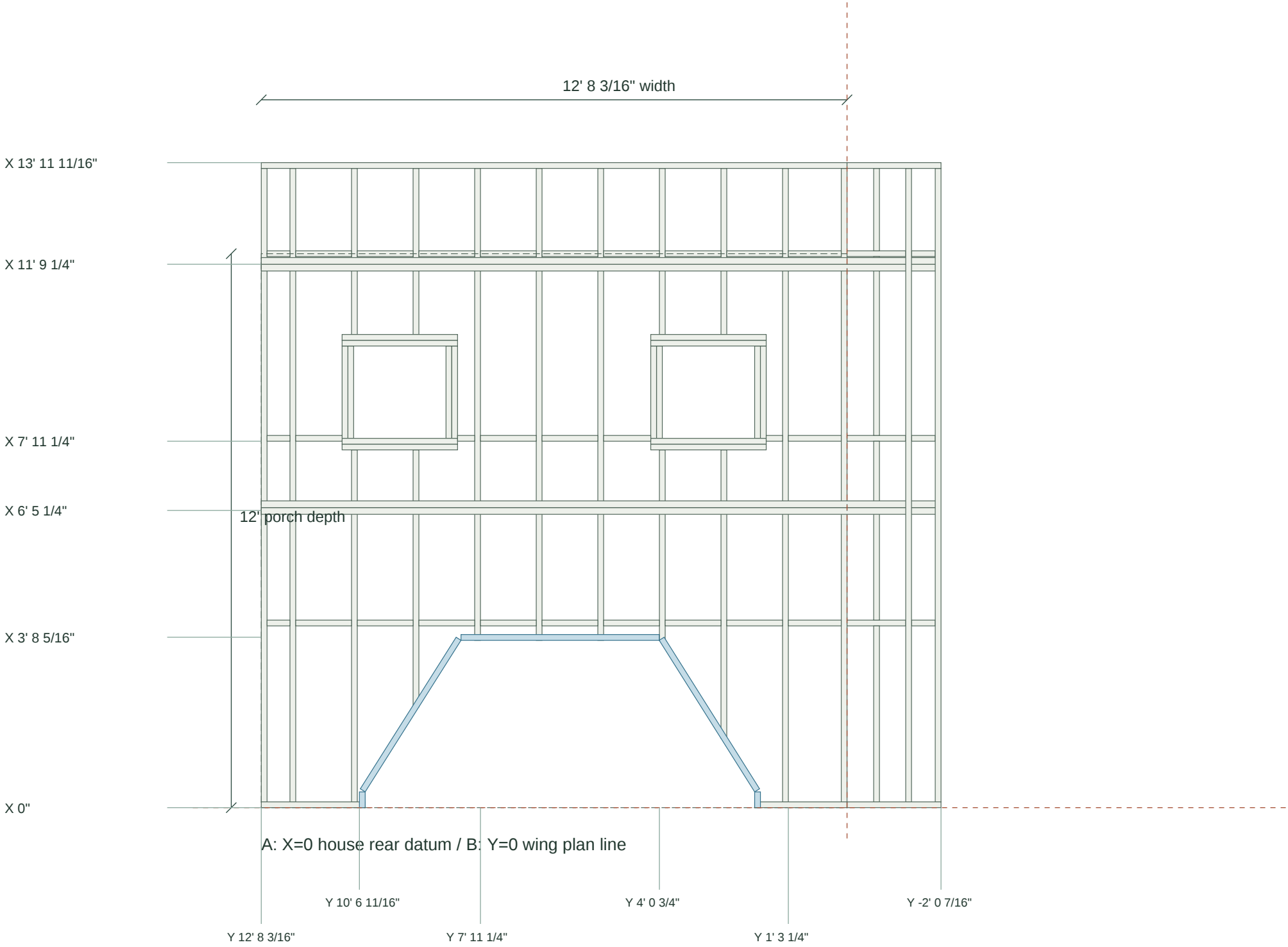
Structural sizing remains provisional.

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P104 BEV layer 4 - F2 roof-deck joists and edge framing

East up / north left. Scale 3/8 inch = 1 foot. Dimensions are model placeholders unless field verified.

EAST / YARD



DATUM / SETOUT KEY

A = X 0: house rear model datum.

B = Y 0: East Wing plan line.

Built south face: Y -5 1/4 inches.

C = Z 0: house F1 finished floor.

+X east / +Y north / +Z up.

Negative Y extends toward Red Row.

NO SURVEYED LOT LINE IS SHOWN.

Field-transfer A/B/C before layout.

Coordinates are model-derived,
not field-verified measurements.

See P204 for actual lumber depths.

2x8 actual: 1 1/2 x 7 1/4 inches.

LVL: two 1 3/4 x 9 1/2 plies.

Fitted backing shown on P105.

Roof overhang: 2' 0 7/16"

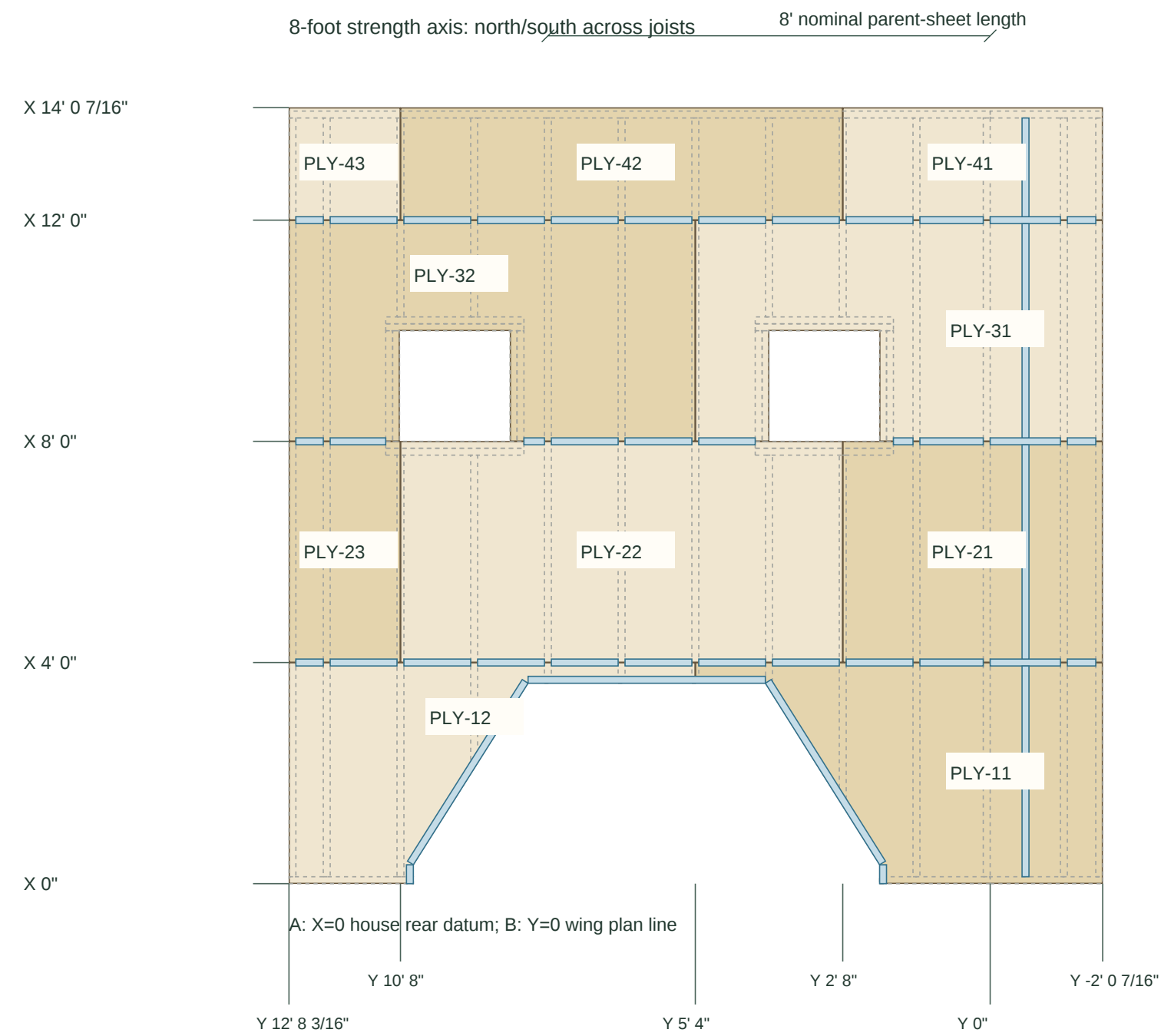
F1 finish Z 0 (flush indoors); F2 finish Z +118.

Structural sizing remains provisional.

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P105 F2 plywood - whole-sheet cutting and support layout

Drawing revision over saved-model envelope. East up / north left. 3/8 inch = 1 foot; 3/4-inch substrate is provisional.



INSTALLATION / SETOUT

Tan = one installed piece cut from a 4x8 sheet.
Blue = added 2x8 backing; dashed = existing framing.
Long panel direction crosses east/west joists.
Stagger ends on Y=32 / 64 / 128 joist lines.
X=48 / 96 / 144 seams: block every open bay.
Leave 1/8-inch panel joints; see enlarged P106.
Cut bay/skylight openings from the same blank.
No tiny patch strips at skylight corners.
Fit backing at the retained bay; do not fasten through cladding or rely on narrow plywood tabs.
Waterproof membrane omitted to expose sheet joints.
Select coating system before fastener/seam approval.

BLANK CUT SIZE (strength axis x width)

- PLY-11 7' 4 5/16" x 3' 11 7/8"
- PLY-12 7' 4 1/16" x 3' 11 7/8"
- PLY-21 4' 8 5/16" x 3' 11 7/8"
- PLY-22 7' 11 7/8" x 3' 11 7/8"
- PLY-23 2' 0 1/16" x 3' 11 7/8"
- PLY-31 7' 4 5/16" x 3' 11 7/8"
- PLY-32 7' 4 1/16" x 3' 11 7/8"
- PLY-41 4' 8 5/16" x 2' 0 5/16"
- PLY-42 7' 11 7/8" x 2' 0 5/16"
- PLY-43 2' 0 1/16" x 2' 0 5/16"

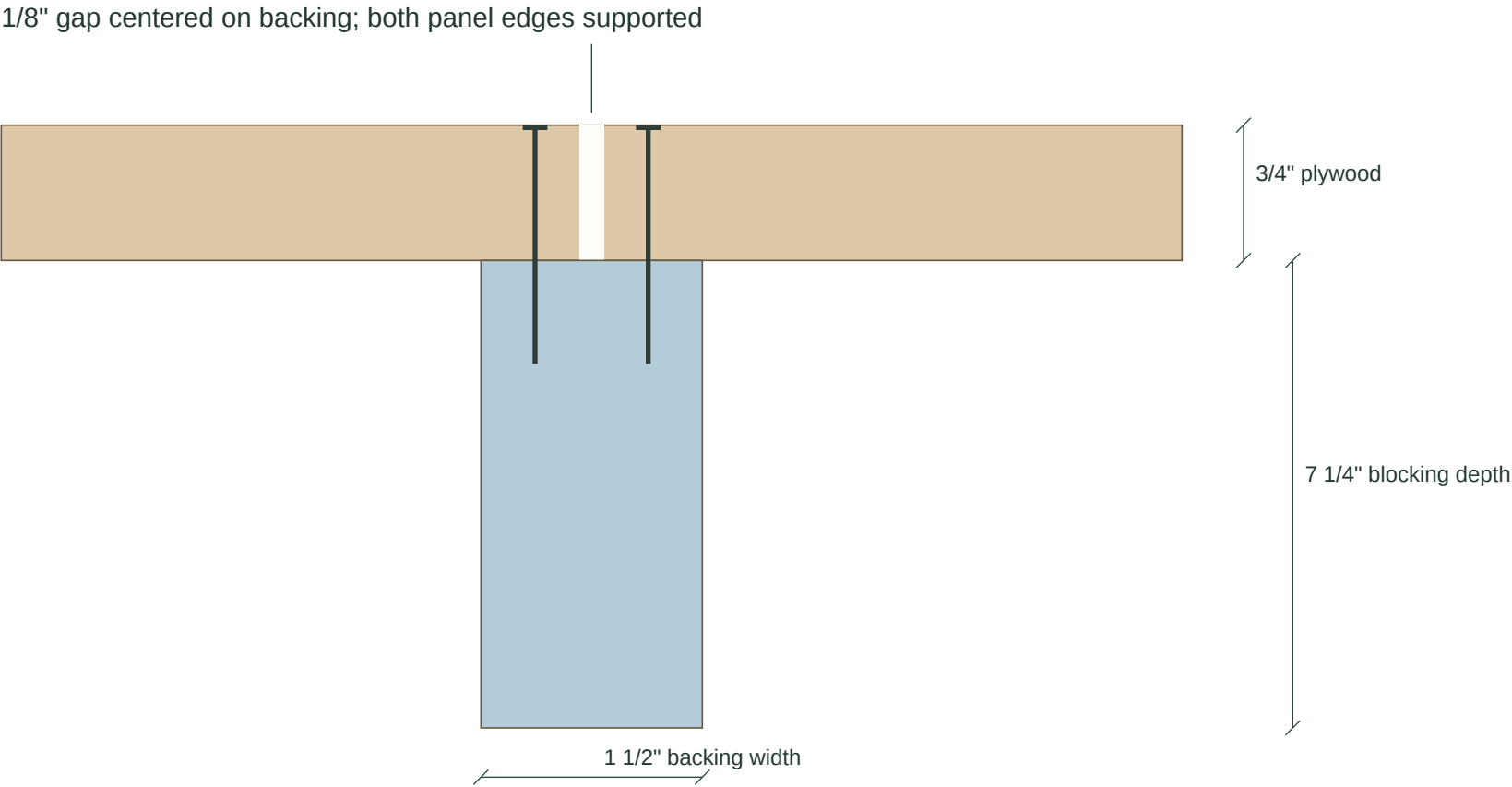
See cut list for parent-sheet allocation and waste.
New sheets/backing pending Blender master integration.

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P106 Plywood joints, bearing and roof-deck depth

Enlarged schematic sections; written dimensions govern. Attach to framing, not fascia or plywood edges.

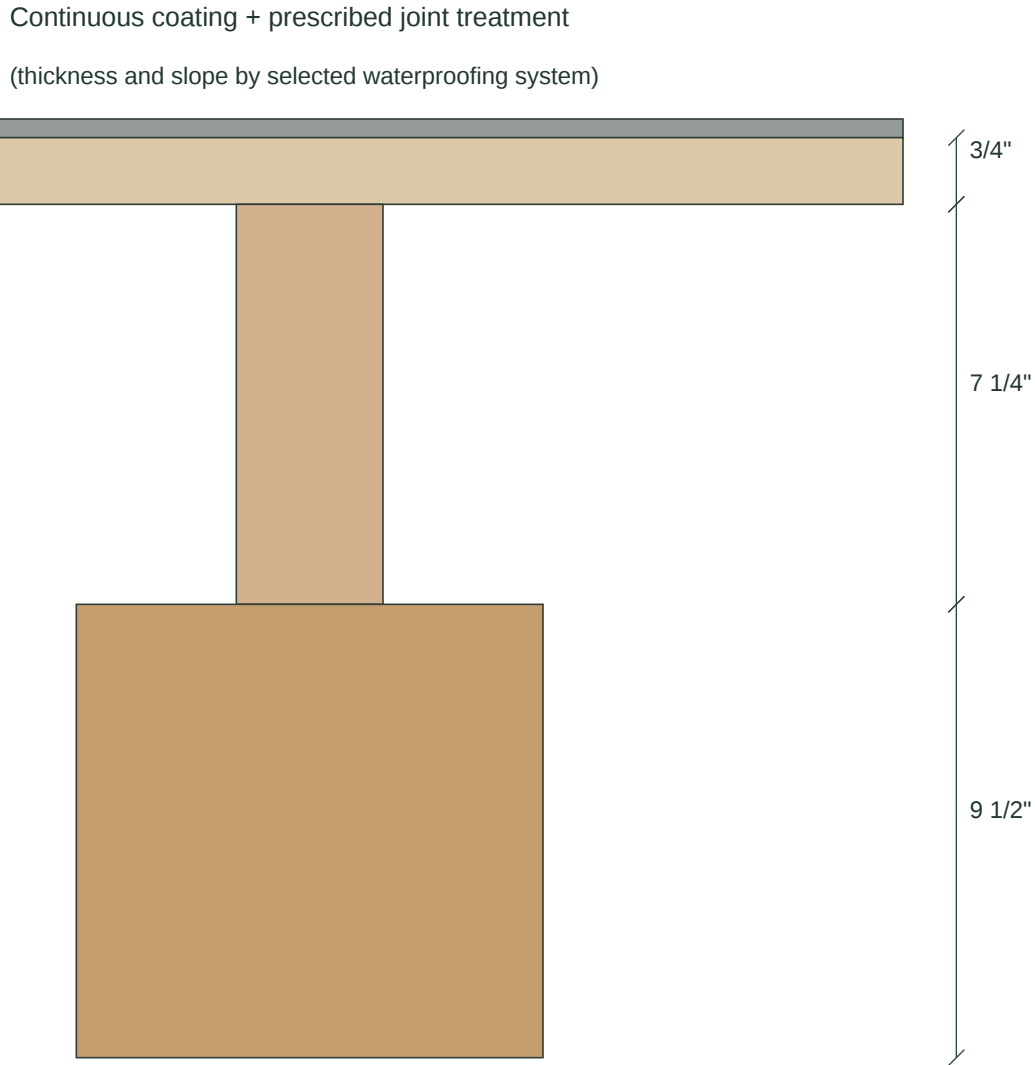
A / LONG-EDGE JOINT OVER SOLID BLOCKING



Fasten each panel edge into the backing, with edge distance and embedment specified by the selected roof system/engineer.

Typical blocking terminates at joist faces; use approved end fastening/hangers. Do not drive fasteners into unsupported seams.

B / ASSEMBLY THROUGH JOIST AND BEAM



2x8 joist bears on two 1 3/4" LVL plies (3 1/2" total).
Bearing length / fastening / exterior LVL product need design.
Flat geometry is NOT a resolved drainage or threshold detail.

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P201 South profile - lower porch and F2 framing

Projected framing profile, not hidden-line elevation. Scale 1/4 inch = 1 foot.

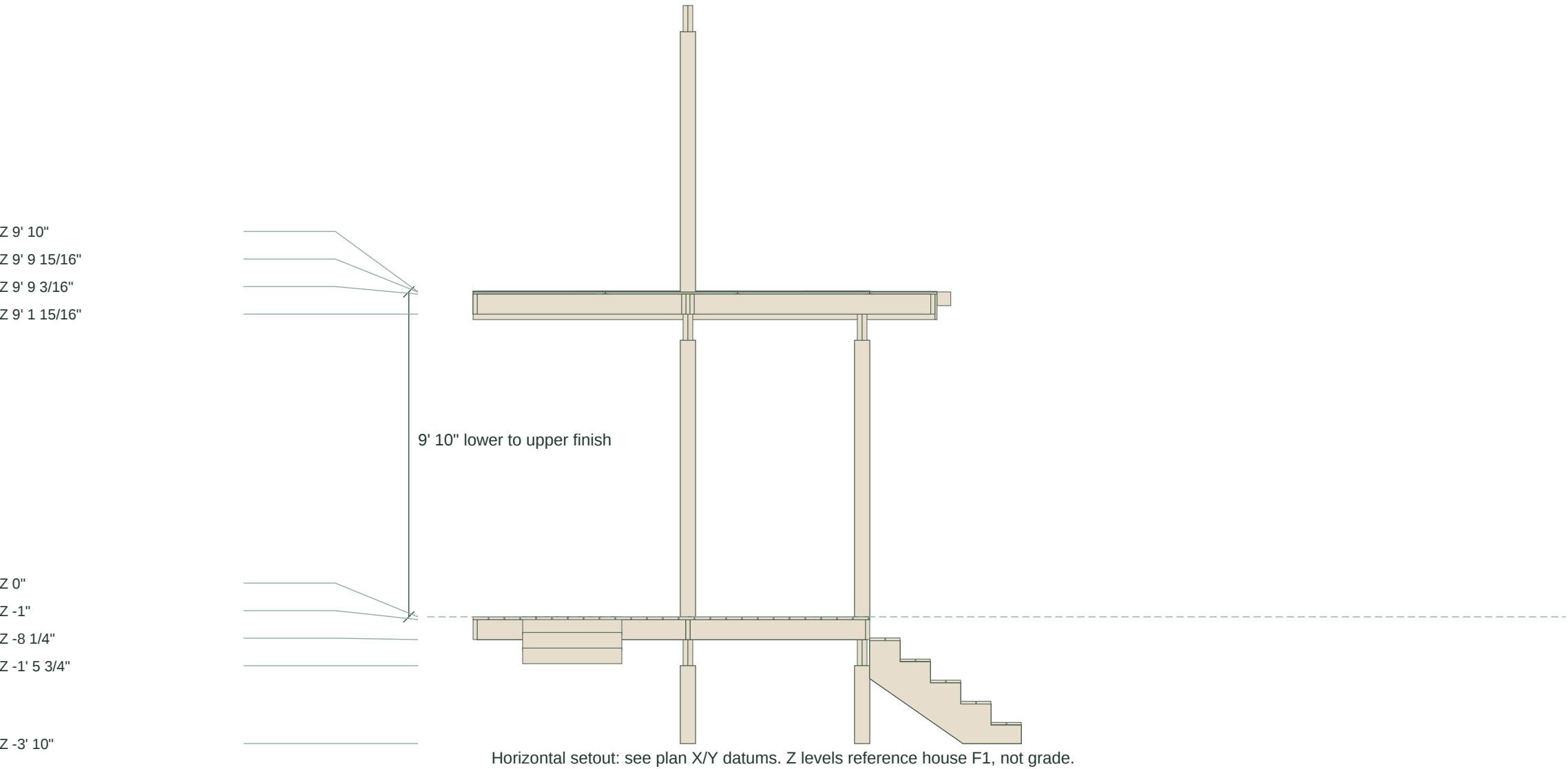
C: HOUSE F1 FINISH Z=0

PROFILE NOTES

Member envelopes from saved Blender.
Profiles do not resolve all joints.
F2 plywood thickness: 3/4 inch.
Continuous coating: product pending.
No timber decking at F2.

Bridge: 0 inches; flush with indoors.
Two intermediate treads, 12-inch runs.
Red Row / BMLF: -17 inches.
Three equal drops: 5 2/3 inches nominal.

Posts and beams need engineering.
Footing sizes are not designed.
Do not fabricate from this draft.



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P202 East profile - porch width and supports

Projected framing profile, not hidden-line elevation. Scale 1/4 inch = 1 foot.

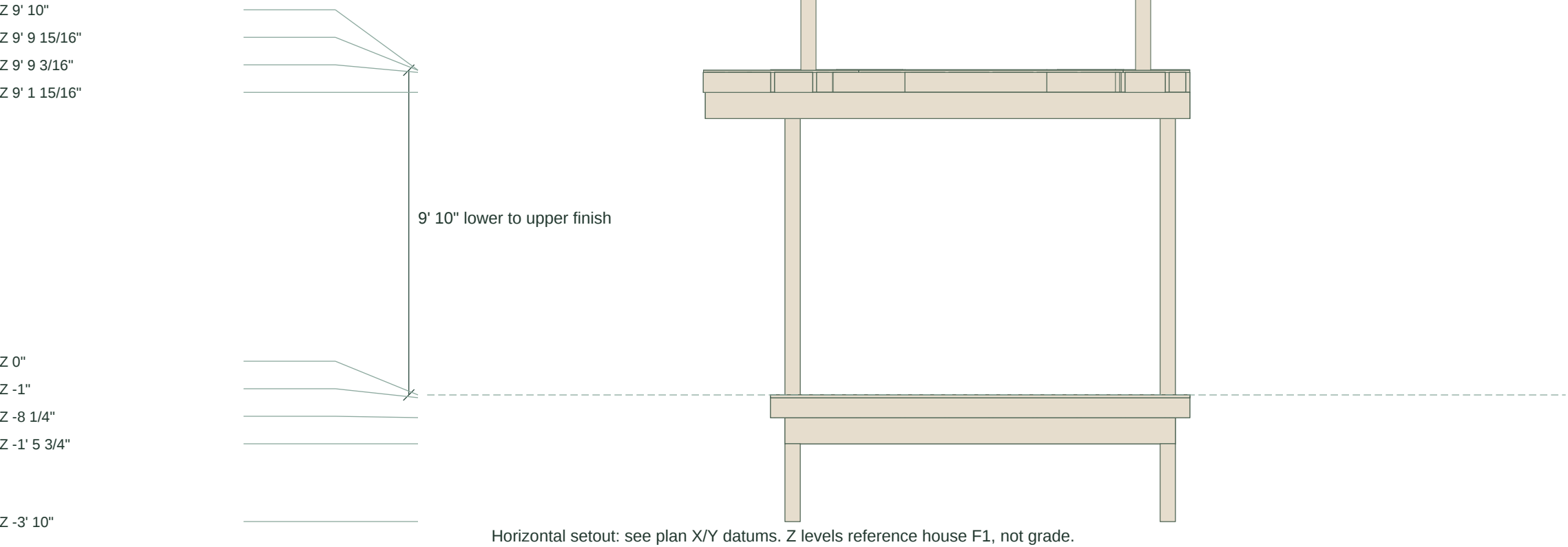
C: HOUSE F1 FINISH Z=0

PROFILE NOTES

Member envelopes from saved Blender.
Profiles do not resolve all joints.
F2 plywood thickness: 3/4 inch.
Continuous coating: product pending.
No timber decking at F2.

Bridge: 0 inches; flush with indoors.
Two intermediate treads, 12-inch runs.
Red Row / BMLF: -17 inches.
Three equal drops: 5 2/3 inches nominal.

Posts and beams need engineering.
Footing sizes are not designed.
Do not fabricate from this draft.



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P203 Bridge longitudinal profile - descending onto Red Row

Projected framing profile, not hidden-line elevation. Scale 3/4 inch = 1 foot.

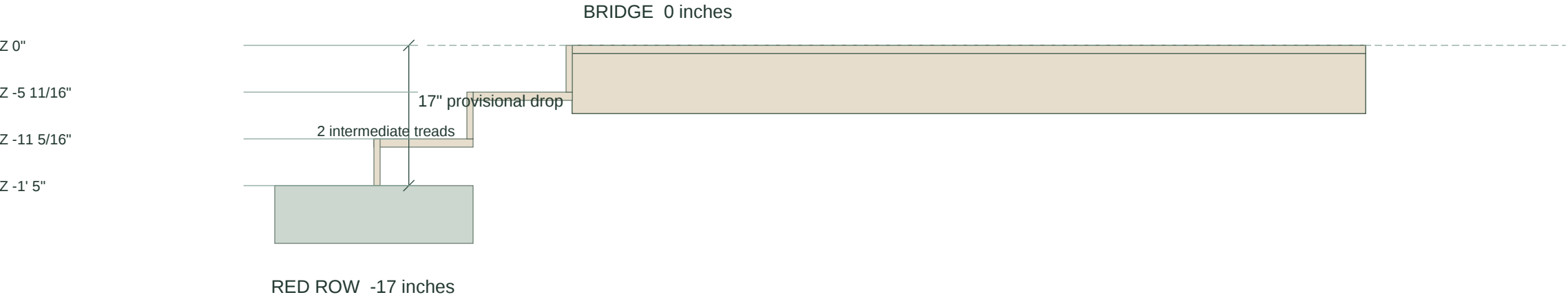
C: HOUSE F1 FINISH Z=0

PROFILE NOTES

Member envelopes from saved Blender.
Profiles do not resolve all joints.
F2 plywood thickness: 3/4 inch.
Continuous coating: product pending.
No timber decking at F2.

Bridge: 0 inches; flush with indoors.
Two intermediate treads, 12-inch runs.
Red Row / BMLF: -17 inches.
Three equal drops: 5 2/3 inches nominal.

Posts and beams need engineering.
Footing sizes are not designed.
Do not fabricate from this draft.



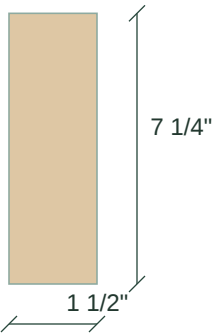
Horizontal setout: see plan X/Y datums. Z levels reference house F1, not grade.

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P204 Actual lumber sections and assembly depths

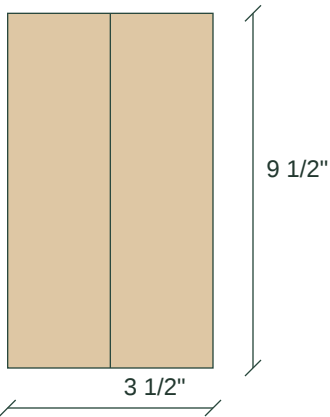
Section sketches are not to scale. Nominal stock names do not equal actual dimensions; use written dimensions.

2x8 joists / blocking



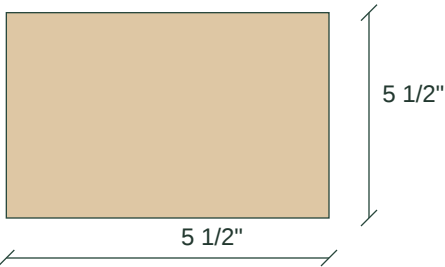
Nominal 2x8; actual 1 1/2 x 7 1/4 inches.

Paired LVL beam



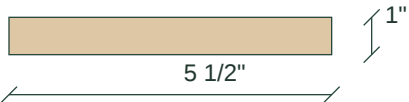
Two 1 3/4-inch plies; 9 1/2-inch actual depth.

6x6 post



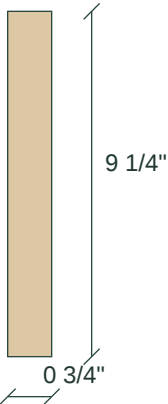
Actual 5 1/2-inch square.

Lower deck / stair tread



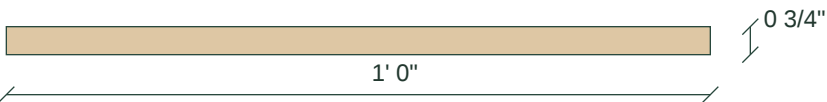
Actual 1-inch thickness; 5 1/2-inch board width.

White fascia



Actual 3/4-inch thickness x 9 1/4-inch depth.

Upper roof-deck



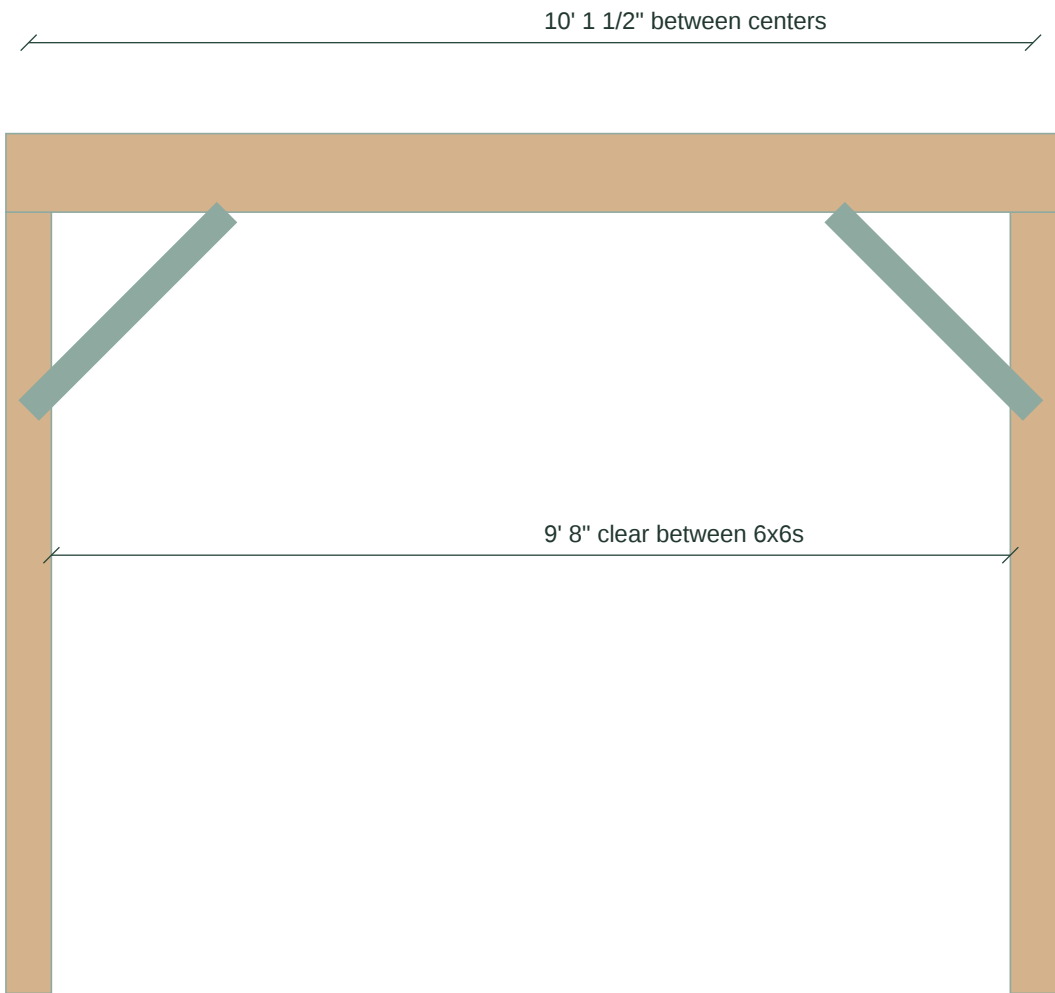
3/4-inch substrate + selected coating; see P106.

Sections apply to P101-P104/P201-P203. Stringers remain excluded pending a workable structural redesign.

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P205 F2 6x6 roof posts / hammock reinforcement option

Post centerlines retained. Reinforcement is a coordination proposal, not a rated hammock anchorage design.



Nominal 6x6 posts: actual 5 1/2" square; X centerline remains 6' 6".

Y centers: 1' 1 3/4" and 11' 3 1/4" from wing datum B.

PROPOSED REINFORCEMENT / ROY REVIEW

1. Upper tying beam between post heads, with two nominal 4x4 knee braces in the hammock plane.
24-inch horizontal/vertical brace reach shown.
2. Positive post-base ties into blocked floor framing and the carrying beam below; not plywood alone.
3. Upper frame tied to the roof diaphragm for out-of-plane movement. Connections not detailed.
4. Select rated hammock attachment hardware only after post/beam/connection loads are calculated.

REQUIRED INPUTS

Hammock type, length, hanging height and rated load.
Occupant load, hang angle, motion/dynamic allowance.
Wood species/grade, decay condition, bolt edge distances.

6x6 SIZE ALONE IS NOT A HAMMOCK LOAD RATING.

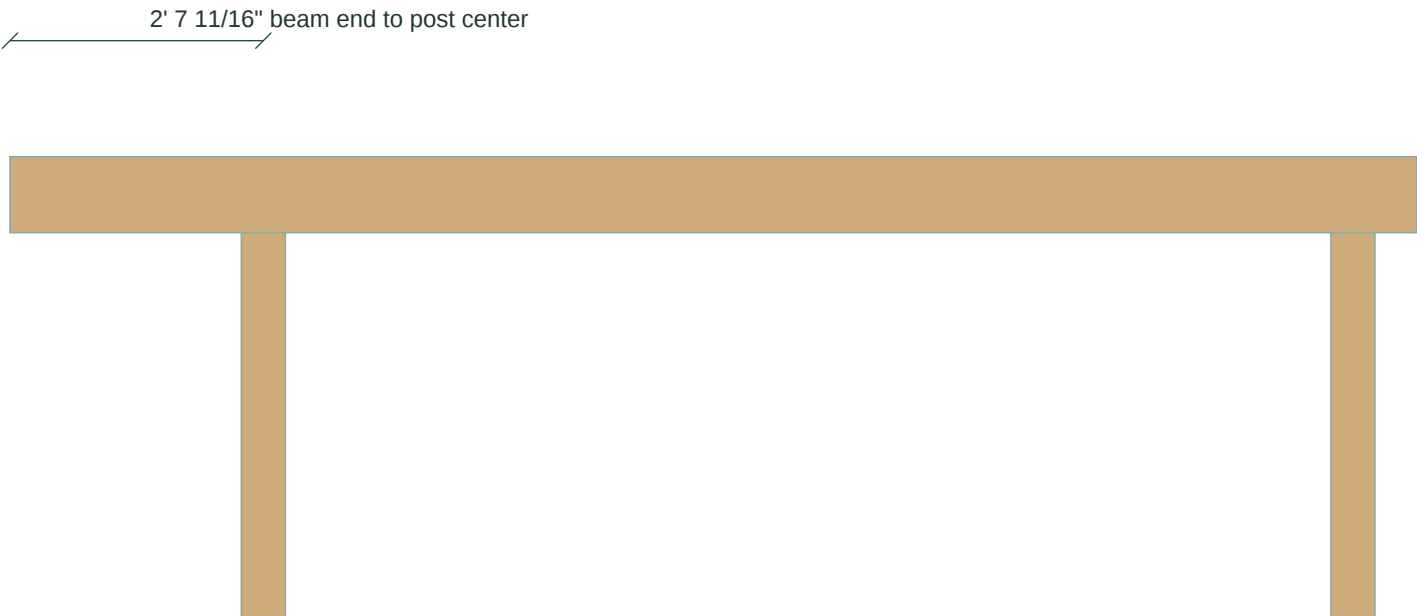
A shallow hang angle increases inward force.
Use the hammock manufacturer's hanging instructions.
If this frame cannot be verified, use an independent rated stand rather than attach to the porch guard.

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P206 Walkable F2 extension / unchanged structural posts

Load-path concept. Existing beam sizes retained only as placeholders; no cantilever capacity has been established.

A / SOUTH EXTENSION - CARRYING BEAM



Extend each carrying beam continuously; do not splice a short tail onto its end.

Post Y centers remain 8" and 12' 0 3/16" from B.

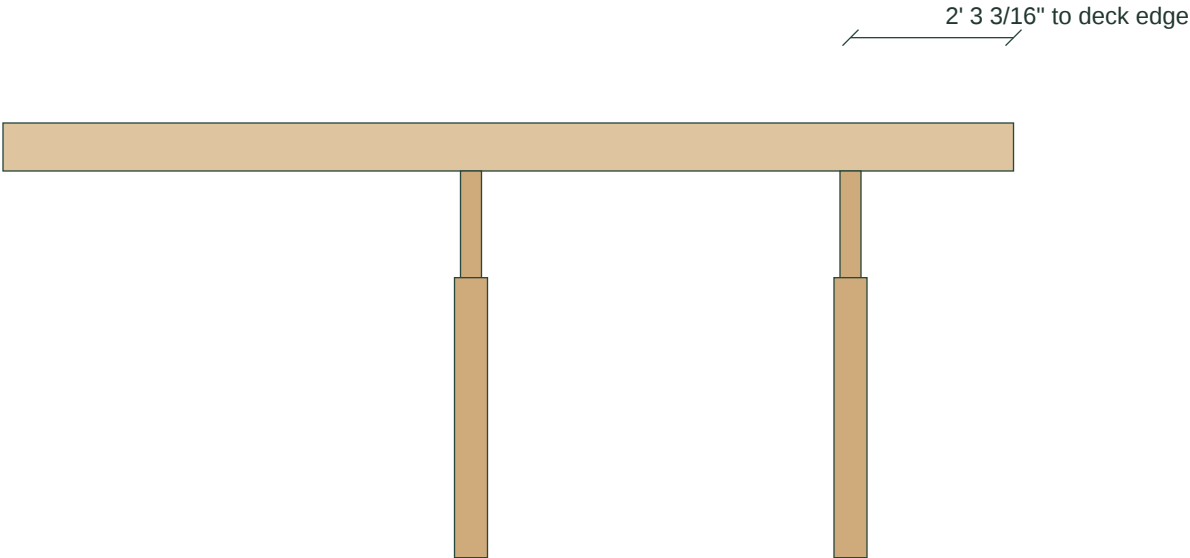
LOAD PATH: plywood -> joists -> extended carrying beams -> unchanged posts -> foundations.

Southwest / house-side bearing, cantilever backspans, guard tension, diaphragm, uplift and foundations require review.

The south joists need a designed west support/attachment; the drawing does not claim an unsupported west end is buildable.

Exterior-rated engineered product or protected dry-service detail required; generic interior LVL is not an outdoor specification.

B / EAST EXTENSION - JOISTS



Outer guard moves to the enlarged deck perimeter.

Joists extend over the existing outer beam; posts stay put.

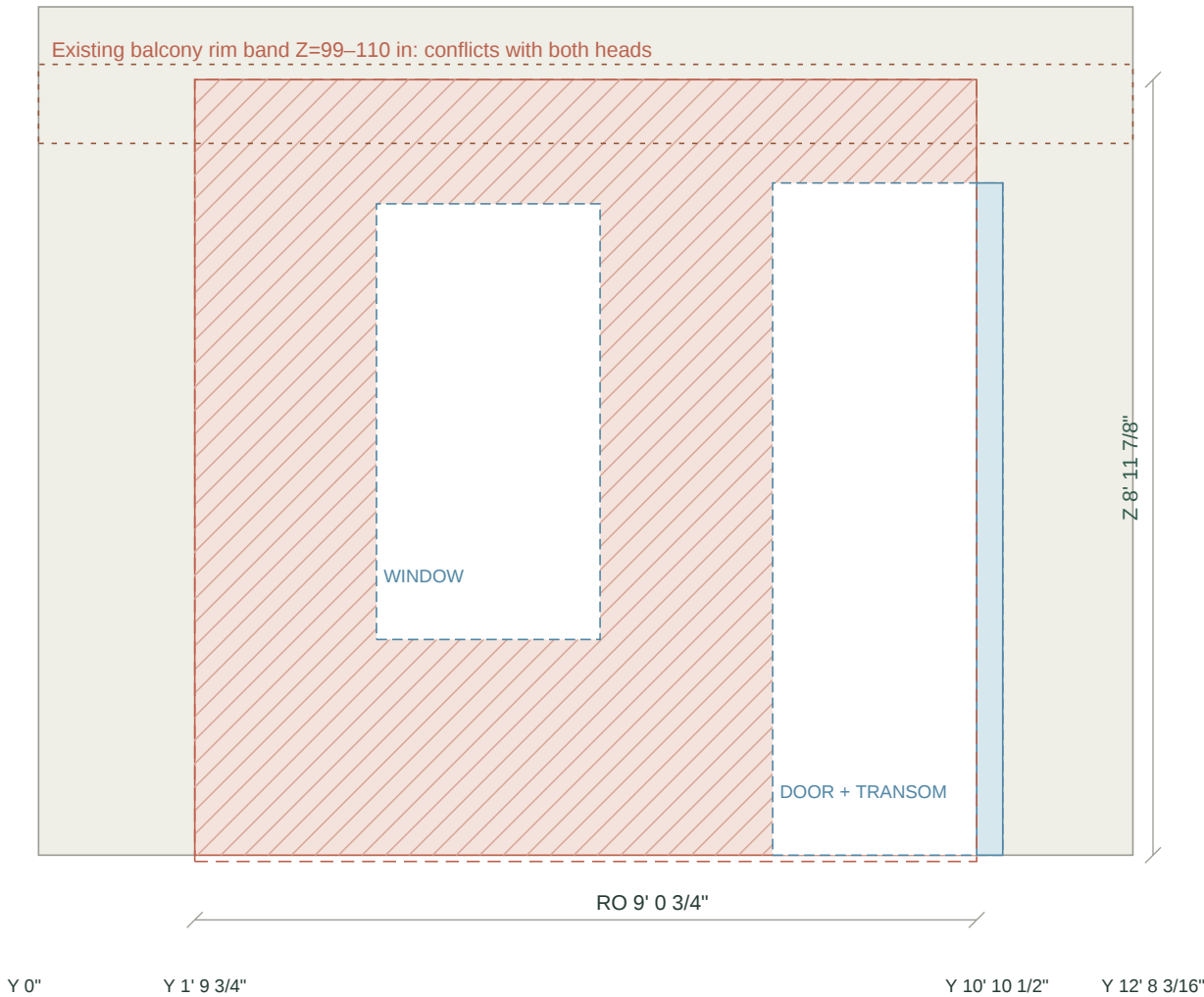
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P301 Door demolition and opening preparation

Alternative coordination only. Plan register: model/drawings/P301-door-demolition.md. Do not cut masonry or structural members from this sheet.

A / ANDERSEN TRIFOLD

9 ft x 9 ft frame; flush-sill alternative

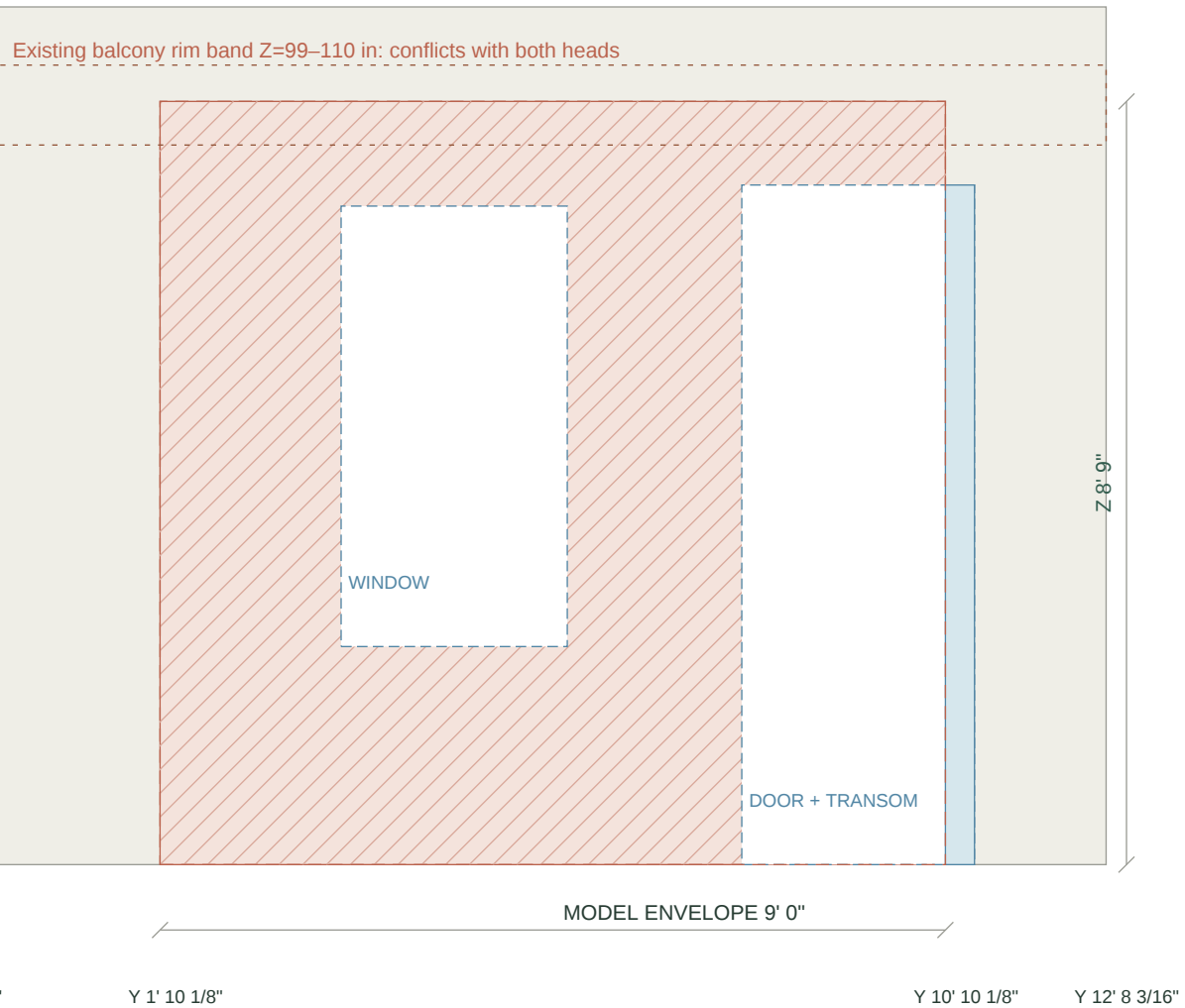


- 1 Remove existing door, transom, window and their trim within revised opening.
- 2 Hatch = intervening masonry / window apron removal INTENT, not a cut permit.
- 3 Blue north return = infill at old door edge; bond, bearing and jamb build-up TBD.
- 4 Investigate rim/header load path; engineer shoring and new support BEFORE demo.
- 5 Locate services; protect interior; verify brick wythes, lintels and opening corners.
- 6 Trifold only: form supported 7/8-inch sill recess after approved base detail.

Datums: A = rear masonry face X=0; B = East Wing line Y=0; C = house F1 finish Z=0. South left / north right, viewed from yard.
Existing window Y=47–78.1 in, head Z=90.6 in; door Y=102.1–134.1 in, transom head Z=93.5 in (registered scan/source model). Window sill Z=30 in is a placeholder.

B / VERIS SI8000 SLIDER

9 ft x 8 ft 9 in project envelope; frame vs RO unresolved



- 1 Remove existing door, transom, window and their trim within revised opening.
- 2 Hatch = intervening masonry / window apron removal INTENT, not a cut permit.
- 3 Blue north return = infill at old door edge; bond, bearing and jamb build-up TBD.
- 4 Investigate rim/header load path; engineer shoring and new support BEFORE demo.
- 5 Locate services; protect interior; verify brick wythes, lintels and opening corners.
- 6 Slider: hold sill demolition/recess until the approved SI8000 section is supplied.

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KEY Part aliases / exceptions

Short IDs link plan geometry to source objects and purchasing allocations. PLY/RB/BE are new drawing-revision parts.

A110 = Overhang east gutter

A111 = Overhang east white fascia

A112 = Overhang F2-M east

A113 = Overhang F2-M south

A114 = Overhang south white fascia

A115 = proposed bridge intermediate tread 1

A116 = proposed bridge intermediate tread 2

A117 = proposed bridge lower closed riser

A118 = proposed bridge upper closed riser 1

A119 = proposed bridge upper closed riser 2

ST-S-001 through ST-S-009: stringer redesign required; no purchase stock assigned. See B002.