

Deck layout & framing package

Dimensioned reference drawings | 11 x 17 in landscape | Imperial dimensions

28 x 16 Deck - example design

28' 0" x 16' 0" overall

448.0 sq ft footprint | Deck height 3' 0"

Straight across

Joists: 2x10 at 1' 4" O.C.

Reference: top-left bounding corner; joist edge marks

Decking: 5 1/2" wide; side gap 0 1/8"; end gap 0 1/8"

SCOPE OF THIS SET

Dimensioned layout and material reference drawings for one saved design revision. Member sizes are user-entered, not structurally verified. Foundation design, soil and frost requirements, connections, bracing, stair construction and permit approval require project-specific details. Not an engineered or permit-ready plan set.

Use written dimensions. Do not scale the PDF. Printed fractions round to 1/16 in; metric dimensions round for display. The cut allocation uses the model's exact lengths. Confirm actual material sizes, bearing and end-cut details before ordering or cutting.

This package preserves one design revision. Changes in the builder create a new revision. Review all notes and unresolved sizes listed on the review sheet.

DRAWING INDEX

G0	Deck layout & framing package	1
A1	Deck footprint & openings	2
F1	Joist layout & framing marks	3
F2	Beam, post & footing layout	4
D1	Decking & joint pattern	5
A2	Outline & stair coordinates	6
F3	Framing member locations & runs	7-11
F4	Beam & support coordinates	12
D2	Decking cuts & joint stations	13-17
D3	Decking stock allocation	18-21
M1	Material order quantities	22-23
M2	Beam ply blank lengths	24
R1	Review notes & unresolved inputs	25

Deck footprint & openings

Top view. Corner, recess and stair coordinates share the selected datum.



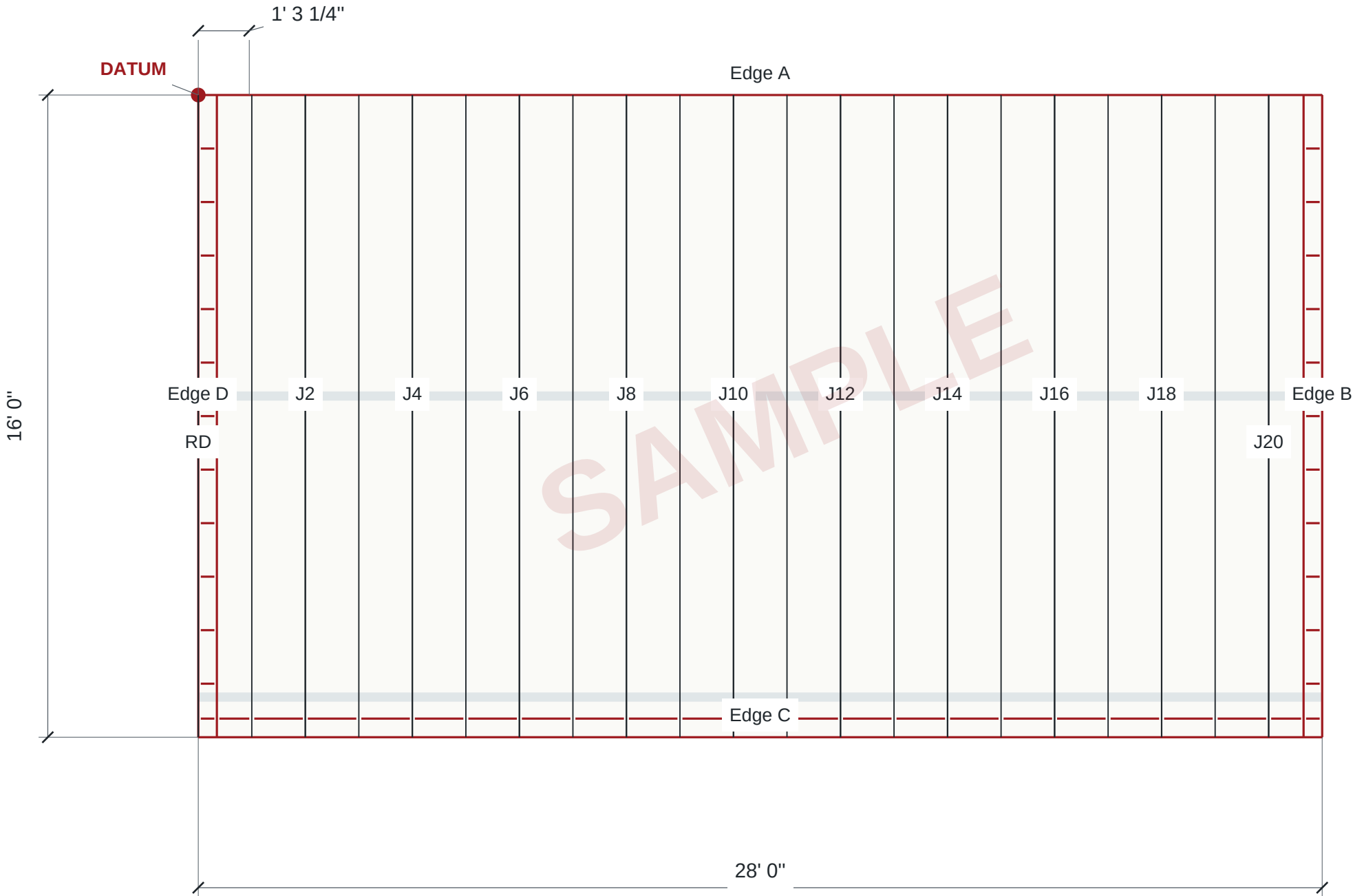
LAYOUT REFERENCE

Datum: top-left bounding corner.
X measured from left; Y from top.
On a recessed corner, extend the outer bounding lines to locate the datum.

Red edges: house attachment references.
Rectangular outline.
Footprint area: 448.0 sq ft.
Deck height: 3' 0".
Corner and stair coordinates: A2.
Stair placement only; stringers, landings and connection design are separate.

Joist layout & framing marks

First mark plus regular spacing; detailed member endpoints and clear spans are scheduled on F3.



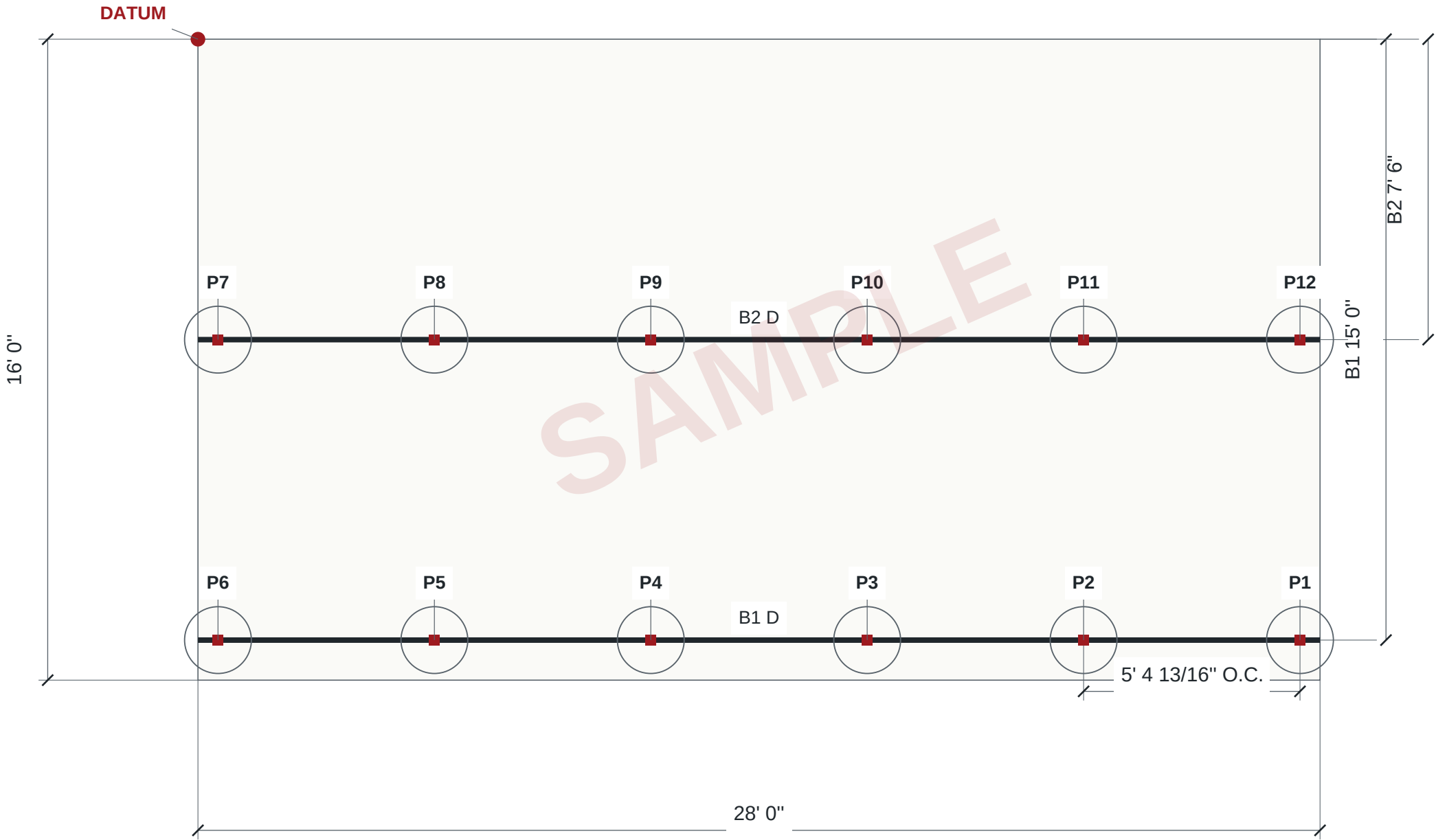
LAYOUT REFERENCE

Datum: top-left bounding corner.
X measured from left; Y from top.
On a recessed corner, extend the outer bounding lines to locate the datum.

Joists: 2x10
First edge mark: 1' 3 1/4"
Regular spacing: 1' 4" O.C.
Near-edge marks assume 1-1/2 in actual joist thickness.
Typical marks follow the regular grid.
Rim, recess and clipped members are located separately on F3.
Red: perimeter and added backing. Grey: beam references.
Unsupported spans and missing sizes appear on R1.

Beam, post & footing layout

All support positions locate centres. Footing widths are entered values; footing and soil design are separate.



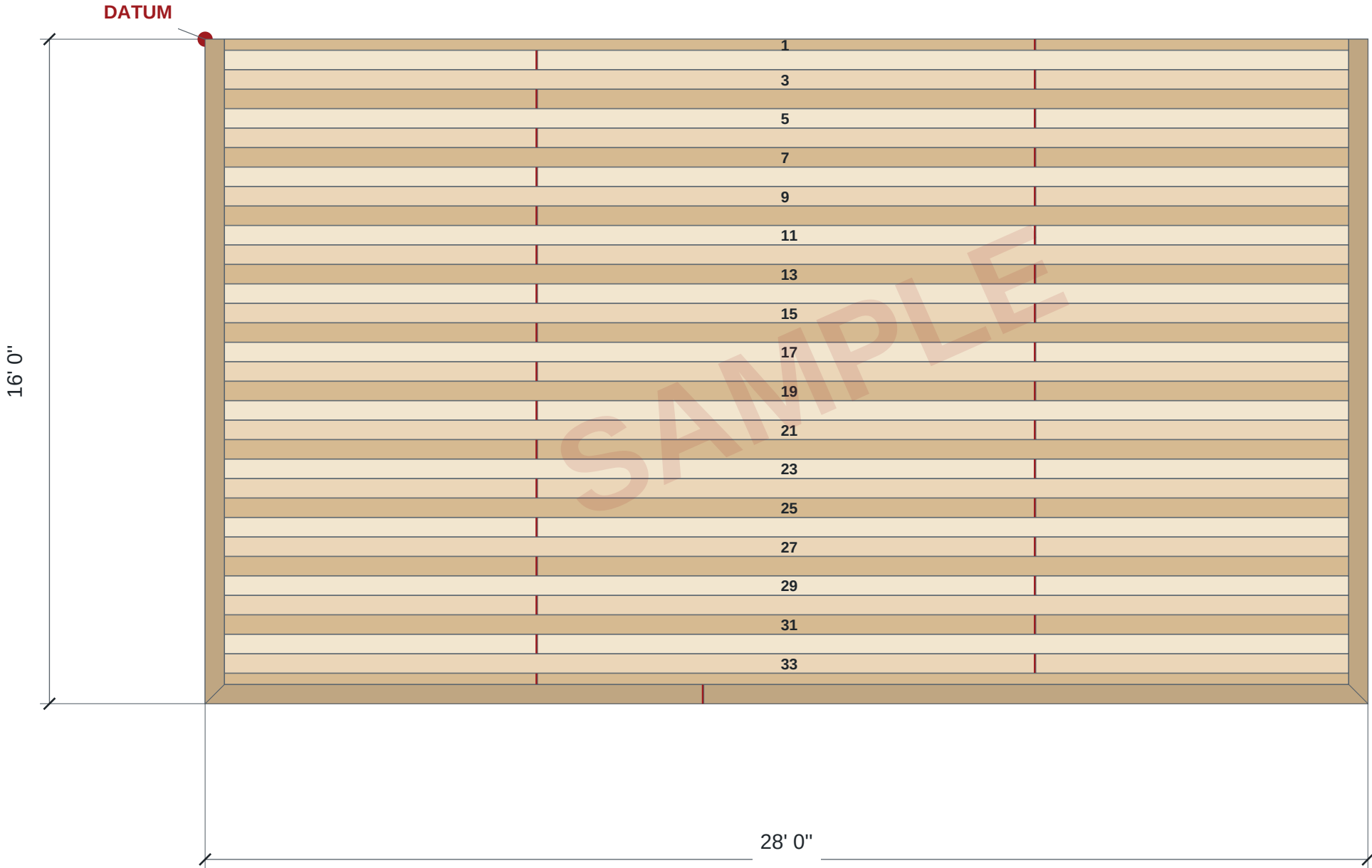
LAYOUT REFERENCE

Datum: top-left bounding corner.
X measured from left; Y from top.
On a recessed corner, extend the outer bounding lines to locate the datum.

F: flush beam. D: dropped beam.
Posts: 6x6
Footings: round
Plan width: 1' 8"
Base below grade: 4' 0"
Coordinates, beam endpoints and post spacing: F4.
Post cut heights, footing sections, frost depth, bearing and connections require project details.

Decking & joint pattern

Board polygons and joint locations match the cut allocation. Course numbers identify each field run.



LAYOUT REFERENCE

Datum: top-left bounding corner.
X measured from left; Y from top.
On a recessed corner, extend the outer bounding lines to locate the datum.

Straight across
Minimum added-splice piece: 6' 0"
Adjacent-row separation: 3 support intervals
Pattern: alternate
Reference: deck
34 field joints; 1 border joints.
Red: internal board ends.
Short outline-required pieces and adjusted symmetry are listed on R1.
D2 lists exact joint stations and cut blanks. Added joints require the specified bearing/backing detail.

Outline & stair coordinates

Coordinates from top-left bounding corner; X and Y follow the drawing reference.

Reference	Start / corner	End / extent	Size / basis
V1	X 0" / Y 0"	To V2	Edge A: 28' 0"
V2	X 28' 0" / Y 0"	To V3	Edge B: 16' 0"
V3	X 28' 0" / Y 16' 0"	To V4	Edge C: 28' 0"
V4	X 0" / Y 16' 0"	To V1	Edge D: 16' 0"

SAMPLE

Framing member locations & runs

All member coordinates locate centrelines from top-left bounding corner. Near-edge layout marks differ by 3/4 in.

Mark / member	Start centre / end plane	End centre / end plane	Net run	Support / clear-span basis
Edge A / ledger	X 0" / Y 0"	X 28' 0" / Y 0"	28' 0"	2x10; verify backing and connections
Edge B / rim	X 28' 0" / Y 0"	X 28' 0" / Y 16' 0"	16' 0"	2x10; verify backing and connections
Edge C / rim	X 0" / Y 16' 0"	X 28' 0" / Y 16' 0"	28' 0"	2x10; verify backing and connections
Edge D / rim	X 0" / Y 0"	X 0" / Y 16' 0"	16' 0"	2x10; verify backing and connections
J1 / joist	X 1' 4" / Y 0"	X 1' 4" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J2 / joist	X 2' 8" / Y 0"	X 2' 8" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J3 / joist	X 4' 0" / Y 0"	X 4' 0" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J4 / joist	X 5' 4" / Y 0"	X 5' 4" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J5 / joist	X 6' 8" / Y 0"	X 6' 8" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J6 / joist	X 8' 0" / Y 0"	X 8' 0" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J7 / joist	X 9' 4" / Y 0"	X 9' 4" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J8 / joist	X 10' 8" / Y 0"	X 10' 8" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J9 / joist	X 12' 0" / Y 0"	X 12' 0" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J10 / joist	X 13' 4" / Y 0"	X 13' 4" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J11 / joist	X 14' 8" / Y 0"	X 14' 8" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J12 / joist	X 16' 0" / Y 0"	X 16' 0" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"

Framing member locations & runs - continued

All member coordinates locate centrelines from top-left bounding corner. Near-edge layout marks differ by 3/4 in.

Mark / member	Start centre / end plane	End centre / end plane	Net run	Support / clear-span basis
J13 / joist	X 17' 4" / Y 0"	X 17' 4" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J14 / joist	X 18' 8" / Y 0"	X 18' 8" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J15 / joist	X 20' 0" / Y 0"	X 20' 0" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J16 / joist	X 21' 4" / Y 0"	X 21' 4" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J17 / joist	X 22' 8" / Y 0"	X 22' 8" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J18 / joist	X 24' 0" / Y 0"	X 24' 0" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J19 / joist	X 25' 4" / Y 0"	X 25' 4" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
J20 / joist	X 26' 8" / Y 0"	X 26' 8" / Y 16' 0"	16' 0"	Supports: Ledger A, B2, B1. Clear: 7' 2 1/4" / 7' 1 1/2". OH: 9 3/4"
PF B.1 / backing	X 27' 6 7/16" / Y 0"	X 27' 6 7/16" / Y 16' 0"	16' 0"	2x10; verify backing and connections
PF D.1 / backing	X 5 9/16" / Y 0"	X 5 9/16" / Y 16' 0"	16' 0"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 1' 4"	X 27' 11 1/4" / Y 1' 4"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 2' 8"	X 27' 11 1/4" / Y 2' 8"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 4' 0"	X 27' 11 1/4" / Y 4' 0"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 5' 4"	X 27' 11 1/4" / Y 5' 4"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 6' 8"	X 27' 11 1/4" / Y 6' 8"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 8' 0"	X 27' 11 1/4" / Y 8' 0"	4 1/16"	2x10; verify backing and connections

Framing member locations & runs - continued

All member coordinates locate centrelines from top-left bounding corner. Near-edge layout marks differ by 3/4 in.

Mark / member	Start centre / end plane	End centre / end plane	Net run	Support / clear-span basis
PF B / picture-block	X 27' 7 3/16" / Y 9' 4"	X 27' 11 1/4" / Y 9' 4"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 10' 8"	X 27' 11 1/4" / Y 10' 8"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 12' 0"	X 27' 11 1/4" / Y 12' 0"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 13' 4"	X 27' 11 1/4" / Y 13' 4"	4 1/16"	2x10; verify backing and connections
PF B / picture-block	X 27' 7 3/16" / Y 14' 8"	X 27' 11 1/4" / Y 14' 8"	4 1/16"	2x10; verify backing and connections
PF C.1 / picture-block	X 0 3/4" / Y 15' 6 7/16"	X 4 13/16" / Y 15' 6 7/16"	4 1/16"	2x10; verify backing and connections
PF C.1 / picture-block	X 6 5/16" / Y 15' 6 7/16"	X 1' 3 1/4" / Y 15' 6 7/16"	8 15/16"	2x10; verify backing and connections
PF C.1 / picture-block	X 1' 4 3/4" / Y 15' 6 7/16"	X 2' 7 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 2' 8 3/4" / Y 15' 6 7/16"	X 3' 11 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 4' 0 3/4" / Y 15' 6 7/16"	X 5' 3 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 5' 4 3/4" / Y 15' 6 7/16"	X 6' 7 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 6' 8 3/4" / Y 15' 6 7/16"	X 7' 11 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 8' 0 3/4" / Y 15' 6 7/16"	X 9' 3 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 9' 4 3/4" / Y 15' 6 7/16"	X 10' 7 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 10' 8 3/4" / Y 15' 6 7/16"	X 11' 11 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 12' 0 3/4" / Y 15' 6 7/16"	X 13' 3 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections

Framing member locations & runs - continued

All member coordinates locate centrelines from top-left bounding corner. Near-edge layout marks differ by 3/4 in.

Mark / member	Start centre / end plane	End centre / end plane	Net run	Support / clear-span basis
PF C.1 / picture-block	X 13' 4 3/4" / Y 15' 6 7/16"	X 14' 7 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 14' 8 3/4" / Y 15' 6 7/16"	X 15' 11 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 16' 0 3/4" / Y 15' 6 7/16"	X 17' 3 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 17' 4 3/4" / Y 15' 6 7/16"	X 18' 7 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 18' 8 3/4" / Y 15' 6 7/16"	X 19' 11 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 20' 0 3/4" / Y 15' 6 7/16"	X 21' 3 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 21' 4 3/4" / Y 15' 6 7/16"	X 22' 7 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 22' 8 3/4" / Y 15' 6 7/16"	X 23' 11 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 24' 0 3/4" / Y 15' 6 7/16"	X 25' 3 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 25' 4 3/4" / Y 15' 6 7/16"	X 26' 7 1/4" / Y 15' 6 7/16"	1' 2 1/2"	2x10; verify backing and connections
PF C.1 / picture-block	X 26' 8 3/4" / Y 15' 6 7/16"	X 27' 5 11/16" / Y 15' 6 7/16"	8 15/16"	2x10; verify backing and connections
PF C.1 / picture-block	X 27' 7 3/16" / Y 15' 6 7/16"	X 27' 11 1/4" / Y 15' 6 7/16"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 1' 4"	X 4 13/16" / Y 1' 4"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 2' 8"	X 4 13/16" / Y 2' 8"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 4' 0"	X 4 13/16" / Y 4' 0"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 5' 4"	X 4 13/16" / Y 5' 4"	4 1/16"	2x10; verify backing and connections

Framing member locations & runs - continued

All member coordinates locate centrelines from top-left bounding corner. Near-edge layout marks differ by 3/4 in.

Mark / member	Start centre / end plane	End centre / end plane	Net run	Support / clear-span basis
PF D / picture-block	X 0 3/4" / Y 6' 8"	X 4 13/16" / Y 6' 8"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 8' 0"	X 4 13/16" / Y 8' 0"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 9' 4"	X 4 13/16" / Y 9' 4"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 10' 8"	X 4 13/16" / Y 10' 8"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 12' 0"	X 4 13/16" / Y 12' 0"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 13' 4"	X 4 13/16" / Y 13' 4"	4 1/16"	2x10; verify backing and connections
PF D / picture-block	X 0 3/4" / Y 14' 8"	X 4 13/16" / Y 14' 8"	4 1/16"	2x10; verify backing and connections

Beam & support coordinates

X and Y from top-left bounding corner. Beam paths and post coordinates are centre references.

Mark	Start / centre	End / spacing	Member / footing basis
B1	X 28' 0" / Y 15' 0"	X 0" / Y 15' 0"	3 plies 2x10, dropped; max post O.C. 5' 4 13/16"; end OH 6"
B2	X 0" / Y 7' 6"	X 28' 0" / Y 7' 6"	3 plies 2x10, dropped; max post O.C. 5' 4 13/16"; end OH 6"
P1 / B1	X 27' 6" / Y 15' 0"	Along beam path: 6"	6x6 post; round footing 1' 8"
P2 / B1	X 22' 1 3/16" / Y 15' 0"	Along beam path: 5' 10 13/16"	6x6 post; round footing 1' 8"
P3 / B1	X 16' 8 3/8" / Y 15' 0"	Along beam path: 11' 3 5/8"	6x6 post; round footing 1' 8"
P4 / B1	X 11' 3 5/8" / Y 15' 0"	Along beam path: 16' 8 3/8"	6x6 post; round footing 1' 8"
P5 / B1	X 5' 10 13/16" / Y 15' 0"	Along beam path: 22' 1 3/16"	6x6 post; round footing 1' 8"
P6 / B1	X 6" / Y 15' 0"	Along beam path: 27' 6"	6x6 post; round footing 1' 8"
P7 / B2	X 6" / Y 7' 6"	Along beam path: 6"	6x6 post; round footing 1' 8"
P8 / B2	X 5' 10 13/16" / Y 7' 6"	Along beam path: 5' 10 13/16"	6x6 post; round footing 1' 8"
P9 / B2	X 11' 3 5/8" / Y 7' 6"	Along beam path: 11' 3 5/8"	6x6 post; round footing 1' 8"
P10 / B2	X 16' 8 3/8" / Y 7' 6"	Along beam path: 16' 8 3/8"	6x6 post; round footing 1' 8"
P11 / B2	X 22' 1 3/16" / Y 7' 6"	Along beam path: 22' 1 3/16"	6x6 post; round footing 1' 8"
P12 / B2	X 27' 6" / Y 7' 6"	Along beam path: 27' 6"	6x6 post; round footing 1' 8"

Decking cuts & joint stations

Stations are projections from the model top-left along the board direction; cut ends include the entered end gap. D1 shows the outline.

Piece / course	Blank length / width	Start / end station	Allocation / cut note
F001 / course 1	19' 6 5/16" x 3 1/8"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS01; jointed. Rip to listed width
F002 / course 1	7' 6 5/16" x 3 1/8"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS35; jointed. Rip to listed width
F003 / course 2	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS35; jointed. Full-width field board
F004 / course 2	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS02; jointed. Full-width field board
F005 / course 3	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS03; jointed. Full-width field board
F006 / course 3	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS36; jointed. Full-width field board
F007 / course 4	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS36; jointed. Full-width field board
F008 / course 4	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS04; jointed. Full-width field board
F009 / course 5	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS05; jointed. Full-width field board
F010 / course 5	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS37; jointed. Full-width field board
F011 / course 6	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS37; jointed. Full-width field board
F012 / course 6	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS06; jointed. Full-width field board
F013 / course 7	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS07; jointed. Full-width field board
F014 / course 7	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS38; jointed. Full-width field board
F015 / course 8	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS38; jointed. Full-width field board
F016 / course 8	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS08; jointed. Full-width field board

Decking cuts & joint stations - continued

Stations are projections from the model top-left along the board direction; cut ends include the entered end gap. D1 shows the outline.

Piece / course	Blank length / width	Start / end station	Allocation / cut note
F017 / course 9	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS09; jointed. Full-width field board
F018 / course 9	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS39; jointed. Full-width field board
F019 / course 10	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS39; jointed. Full-width field board
F020 / course 10	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS10; jointed. Full-width field board
F021 / course 11	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS11; jointed. Full-width field board
F022 / course 11	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS40; jointed. Full-width field board
F023 / course 12	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS40; jointed. Full-width field board
F024 / course 12	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS12; jointed. Full-width field board
F025 / course 13	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS13; jointed. Full-width field board
F026 / course 13	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS41; jointed. Full-width field board
F027 / course 14	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS41; jointed. Full-width field board
F028 / course 14	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS14; jointed. Full-width field board
F029 / course 15	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS15; jointed. Full-width field board
F030 / course 15	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS42; jointed. Full-width field board
F031 / course 16	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS42; jointed. Full-width field board
F032 / course 16	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS16; jointed. Full-width field board

Decking cuts & joint stations - continued

Stations are projections from the model top-left along the board direction; cut ends include the entered end gap. D1 shows the outline.

Piece / course	Blank length / width	Start / end station	Allocation / cut note
F033 / course 17	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS17; jointed. Full-width field board
F034 / course 17	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS43; jointed. Full-width field board
F035 / course 18	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS43; jointed. Full-width field board
F036 / course 18	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS18; jointed. Full-width field board
F037 / course 19	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS19; jointed. Full-width field board
F038 / course 19	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS44; jointed. Full-width field board
F039 / course 20	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS44; jointed. Full-width field board
F040 / course 20	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS20; jointed. Full-width field board
F041 / course 21	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS21; jointed. Full-width field board
F042 / course 21	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS45; jointed. Full-width field board
F043 / course 22	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS45; jointed. Full-width field board
F044 / course 22	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS22; jointed. Full-width field board
F045 / course 23	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS23; jointed. Full-width field board
F046 / course 23	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS46; jointed. Full-width field board
F047 / course 24	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS46; jointed. Full-width field board
F048 / course 24	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS24; jointed. Full-width field board

Decking cuts & joint stations - continued

Stations are projections from the model top-left along the board direction; cut ends include the entered end gap. D1 shows the outline.

Piece / course	Blank length / width	Start / end station	Allocation / cut note
F049 / course 25	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS25; jointed. Full-width field board
F050 / course 25	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS47; jointed. Full-width field board
F051 / course 26	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS47; jointed. Full-width field board
F052 / course 26	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS26; jointed. Full-width field board
F053 / course 27	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS27; jointed. Full-width field board
F054 / course 27	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS48; jointed. Full-width field board
F055 / course 28	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS48; jointed. Full-width field board
F056 / course 28	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS28; jointed. Full-width field board
F057 / course 29	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS29; jointed. Full-width field board
F058 / course 29	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS49; jointed. Full-width field board
F059 / course 30	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS49; jointed. Full-width field board
F060 / course 30	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS30; jointed. Full-width field board
F061 / course 31	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS31; jointed. Full-width field board
F062 / course 31	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS50; jointed. Full-width field board
F063 / course 32	7' 6 5/16" x 5 1/2"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS50; jointed. Full-width field board
F064 / course 32	19' 6 5/16" x 5 1/2"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS32; jointed. Full-width field board

Decking cuts & joint stations - continued

Stations are projections from the model top-left along the board direction; cut ends include the entered end gap. D1 shows the outline.

Piece / course	Blank length / width	Start / end station	Allocation / cut note
F065 / course 33	19' 6 5/16" x 5 1/2"	5 5/8" to 19' 11 15/16"; 0.0 deg	FS33; jointed. Full-width field board
F066 / course 33	7' 6 5/16" x 5 1/2"	20' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS51; jointed. Full-width field board
F067 / course 34	7' 6 5/16" x 3 1/8"	5 5/8" to 7' 11 15/16"; 0.0 deg	FS51; jointed. Rip to listed width
F068 / course 34	19' 6 5/16" x 3 1/8"	8' 0 1/16" to 27' 6 3/8"; 0.0 deg	FS34; jointed. Rip to listed width
B001 / border edge 2	16' 0" x 5 1/2"	0" to 16' 0"; 90.0 deg	BS01; outline run. Long-point mitre blank
B002 / border edge 3	12' 0" x 5 1/2"	0" to 12' 0"; 0.0 deg	BS04; jointed. Long-point mitre blank
B003 / border edge 3	15' 11 7/8" x 5 1/2"	12' 0 1/8" to 28' 0"; 0.0 deg	BS03; jointed. Long-point mitre blank
B004 / border edge 4	16' 0" x 5 1/2"	0" to 16' 0"; 90.0 deg	BS02; outline run. Long-point mitre blank

Decking stock allocation

Piece IDs match D2. Packing includes entered saw kerf; additional spare boards are listed in M1.

Stock board	Purchased length	Cuts in packing order	Saw loss / offcut
FS01 / field	20' 0"	F001: 19' 6 5/16"	0 1/8" / 5 9/16"
FS02 / field	20' 0"	F004: 19' 6 5/16"	0 1/8" / 5 9/16"
FS03 / field	20' 0"	F005: 19' 6 5/16"	0 1/8" / 5 9/16"
FS04 / field	20' 0"	F008: 19' 6 5/16"	0 1/8" / 5 9/16"
FS05 / field	20' 0"	F009: 19' 6 5/16"	0 1/8" / 5 9/16"
FS06 / field	20' 0"	F012: 19' 6 5/16"	0 1/8" / 5 9/16"
FS07 / field	20' 0"	F013: 19' 6 5/16"	0 1/8" / 5 9/16"
FS08 / field	20' 0"	F016: 19' 6 5/16"	0 1/8" / 5 9/16"
FS09 / field	20' 0"	F017: 19' 6 5/16"	0 1/8" / 5 9/16"
FS10 / field	20' 0"	F020: 19' 6 5/16"	0 1/8" / 5 9/16"
FS11 / field	20' 0"	F021: 19' 6 5/16"	0 1/8" / 5 9/16"
FS12 / field	20' 0"	F024: 19' 6 5/16"	0 1/8" / 5 9/16"
FS13 / field	20' 0"	F025: 19' 6 5/16"	0 1/8" / 5 9/16"
FS14 / field	20' 0"	F028: 19' 6 5/16"	0 1/8" / 5 9/16"
FS15 / field	20' 0"	F029: 19' 6 5/16"	0 1/8" / 5 9/16"
FS16 / field	20' 0"	F032: 19' 6 5/16"	0 1/8" / 5 9/16"

Decking stock allocation - continued

Piece IDs match D2. Packing includes entered saw kerf; additional spare boards are listed in M1.

Stock board	Purchased length	Cuts in packing order	Saw loss / offcut
FS17 / field	20' 0"	F033: 19' 6 5/16"	0 1/8" / 5 9/16"
FS18 / field	20' 0"	F036: 19' 6 5/16"	0 1/8" / 5 9/16"
FS19 / field	20' 0"	F037: 19' 6 5/16"	0 1/8" / 5 9/16"
FS20 / field	20' 0"	F040: 19' 6 5/16"	0 1/8" / 5 9/16"
FS21 / field	20' 0"	F041: 19' 6 5/16"	0 1/8" / 5 9/16"
FS22 / field	20' 0"	F044: 19' 6 5/16"	0 1/8" / 5 9/16"
FS23 / field	20' 0"	F045: 19' 6 5/16"	0 1/8" / 5 9/16"
FS24 / field	20' 0"	F048: 19' 6 5/16"	0 1/8" / 5 9/16"
FS25 / field	20' 0"	F049: 19' 6 5/16"	0 1/8" / 5 9/16"
FS26 / field	20' 0"	F052: 19' 6 5/16"	0 1/8" / 5 9/16"
FS27 / field	20' 0"	F053: 19' 6 5/16"	0 1/8" / 5 9/16"
FS28 / field	20' 0"	F056: 19' 6 5/16"	0 1/8" / 5 9/16"
FS29 / field	20' 0"	F057: 19' 6 5/16"	0 1/8" / 5 9/16"
FS30 / field	20' 0"	F060: 19' 6 5/16"	0 1/8" / 5 9/16"
FS31 / field	20' 0"	F061: 19' 6 5/16"	0 1/8" / 5 9/16"
FS32 / field	20' 0"	F064: 19' 6 5/16"	0 1/8" / 5 9/16"

Decking stock allocation - continued

Piece IDs match D2. Packing includes entered saw kerf; additional spare boards are listed in M1.

Stock board	Purchased length	Cuts in packing order	Saw loss / offcut
FS33 / field	20' 0"	F065: 19' 6 5/16"	0 1/8" / 5 9/16"
FS34 / field	20' 0"	F068: 19' 6 5/16"	0 1/8" / 5 9/16"
FS35 / field	16' 0"	F002: 7' 6 5/16" + F003: 7' 6 5/16"	0 1/4" / 11 1/8"
FS36 / field	16' 0"	F006: 7' 6 5/16" + F007: 7' 6 5/16"	0 1/4" / 11 1/8"
FS37 / field	16' 0"	F010: 7' 6 5/16" + F011: 7' 6 5/16"	0 1/4" / 11 1/8"
FS38 / field	16' 0"	F014: 7' 6 5/16" + F015: 7' 6 5/16"	0 1/4" / 11 1/8"
FS39 / field	16' 0"	F018: 7' 6 5/16" + F019: 7' 6 5/16"	0 1/4" / 11 1/8"
FS40 / field	16' 0"	F022: 7' 6 5/16" + F023: 7' 6 5/16"	0 1/4" / 11 1/8"
FS41 / field	16' 0"	F026: 7' 6 5/16" + F027: 7' 6 5/16"	0 1/4" / 11 1/8"
FS42 / field	16' 0"	F030: 7' 6 5/16" + F031: 7' 6 5/16"	0 1/4" / 11 1/8"
FS43 / field	16' 0"	F034: 7' 6 5/16" + F035: 7' 6 5/16"	0 1/4" / 11 1/8"
FS44 / field	16' 0"	F038: 7' 6 5/16" + F039: 7' 6 5/16"	0 1/4" / 11 1/8"
FS45 / field	16' 0"	F042: 7' 6 5/16" + F043: 7' 6 5/16"	0 1/4" / 11 1/8"
FS46 / field	16' 0"	F046: 7' 6 5/16" + F047: 7' 6 5/16"	0 1/4" / 11 1/8"
FS47 / field	16' 0"	F050: 7' 6 5/16" + F051: 7' 6 5/16"	0 1/4" / 11 1/8"
FS48 / field	16' 0"	F054: 7' 6 5/16" + F055: 7' 6 5/16"	0 1/4" / 11 1/8"

Decking stock allocation - continued

Piece IDs match D2. Packing includes entered saw kerf; additional spare boards are listed in M1.

Stock board	Purchased length	Cuts in packing order	Saw loss / offcut
FS49 / field	16' 0"	F058: 7' 6 5/16" + F059: 7' 6 5/16"	0 1/4" / 11 1/8"
FS50 / field	16' 0"	F062: 7' 6 5/16" + F063: 7' 6 5/16"	0 1/4" / 11 1/8"
FS51 / field	16' 0"	F066: 7' 6 5/16" + F067: 7' 6 5/16"	0 1/4" / 11 1/8"
BS01 / border	16' 0"	B001: 16' 0"	0" / 0"
BS02 / border	16' 0"	B004: 16' 0"	0" / 0"
BS03 / border	16' 0"	B003: 15' 11 7/8"	0 1/8" / 0"
BS04 / border	12' 0"	B002: 12' 0"	0" / 0"

Material order quantities

Whole-board allocation matches Materials & details. Prices, tax, delivery and labour are excluded.

Material	Stock length	Base + spare	Order	Basis / review
Field decking	20' 0"	34 + 4	38 boards	5.5 in actual width x 1 in thick. Decking spare allowance is 10%.
Field decking	16' 0"	17 + 2	19 boards	5.5 in actual width x 1 in thick. Decking spare allowance is 10%.
Picture-frame decking	16' 0"	3 + 1	4 boards	5.5 in actual width x 1 in thick. Decking spare allowance is 10%.
Picture-frame decking	12' 0"	1 + 0	1 boards	5.5 in actual width x 1 in thick. Decking spare allowance is 10%.
Beam plies 2 x 10 longer stock needed	28' 0"	6 + 0	6 pieces	REVIEW: Minimum blank length per piece. Quote suitable long stock or resolve the splice detail; no splice or extra spare is assumed.
Joists, rims & backing 2 x 10	8' 0"	5 + 0	5 boards	Whole boards with offcuts reused within this lumber group. Match treatment, species and grade to the project specification.
Joists, rims & backing 2 x 10	16' 0"	24 + 2	26 boards	Whole boards with offcuts reused within this lumber group. Match treatment, species and grade to the project specification.
Joists, rims & backing 2 x 10 longer stock needed	28' 0"	2 + 0	2 pieces	REVIEW: Minimum blank length per piece. Quote suitable long stock or resolve the splice detail; no splice or extra spare is assumed.
Support posts 6 x 6	-	12 + 0	12 posts	REVIEW: One stock post per support, plus shown spares. Choose stock length after checking post cuts, beam elevation and the actual pier/base height.
End railing post	-	2 + 0	2 posts	REVIEW: 3.5 in square; 42 in exposed in model. Wood balusters, natural finish. Quote a suitable full post, cap and base assembly; mounting depth, anchorage and backing require confirmation. Locations: Edge B.1, Edge D.3.
Line railing post	-	8 + 0	8 posts	REVIEW: 3.5 in square; 42 in exposed in model. Wood balusters, natural finish. Quote a suitable full post, cap and base assembly; mounting depth, anchorage and backing require confirmation. Locations: Edge B.1, Edge B.2, Edge B.3, Edge C.1, Edge C.2, Edge C.3, Edge C.4, Edge C.5, Edge D.1, Edge D.2, Edge D.3.
Corner railing post	-	2 + 0	2 posts	REVIEW: 3.5 in square; 42 in exposed in model. Wood balusters, natural finish. Quote a suitable full post, cap and base assembly; mounting depth, anchorage and backing require confirmation. Locations: Edge B.3, Edge C.1, Edge C.5, Edge D.1.

Material order quantities - continued

Whole-board allocation matches Materials & details. Prices, tax, delivery and labour are excluded.

Material	Stock length	Base + spare	Order	Basis / review
Wood balusters level section	-	6 + 0	6 assemblies	REVIEW: 59.333 in clear opening horizontally; 42 in railing height; natural finish. Quote a complete section: top/bottom rails, infill, spacers or gaskets, supports and section brackets. Posts are separate. Confirm stock length, cuts and pack contents. Locations: Edge B.1, Edge B.2, Edge B.3, Edge D.1, Edge D.2, Edge D.3.
Wood balusters level section	-	5 + 0	5 assemblies	REVIEW: 63 in clear opening horizontally; 42 in railing height; natural finish. Quote a complete section: top/bottom rails, infill, spacers or gaskets, supports and section brackets. Posts are separate. Confirm stock length, cuts and pack contents. Locations: Edge C.1, Edge C.2, Edge C.3, Edge C.4, Edge C.5.

SAMPLE

Beam ply blank lengths

F3 lists all other net member lengths. Post cuts and stair stringers need separate vertical and construction details.

Beam	Size / plies	Net blank per ply	Cut basis
B1	3 x 2x10	28' 0"	Long points when a polygon is defined; verify end cuts, joints and bearing. Framing stock allocation includes entered trim allowance.
B2	3 x 2x10	28' 0"	Long points when a polygon is defined; verify end cuts, joints and bearing. Framing stock allocation includes entered trim allowance.

SAMPLE

Review notes & unresolved inputs

Resolve these items before ordering or cutting. Geometric fit and material allocation do not establish structural capacity.

Item	Layout review
1	Provide the required backing under picture-frame boards and field-board ends. Border corners are long-point blanks: fit the mitres and required corner gaps on site.
2	Field butt joints are placed on the entered joist centre lines. Check the actual bearing width and required double-joist or clip detail.
3	Border splices need backing at the shown positions; the regular joist grid does not establish that detail.
4	Some framing runs exceed the enabled stock lengths. Enable suitable longer stock or arrange a reviewed splice detail; the list keeps these as single long pieces.
5	Select a support-post size in Framing and a post stock length below. No post cut height is assumed.
6	Railing rows are generic quote assemblies, not matched retail kits. Have a supplier confirm spans, heights, finish, connections and everything included before purchasing. No automatic railing spares are added.

SAMPLE