

Shed layout & framing package

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

10 x 12 Garden Shed - example design

10'-0" wide x 12'-0" deep

Gable roof | 6:12 pitch

Low/eave wall height: 8'-0" above floor datum

Wall studs: 2x4 at 1'-4" O.C.

Rafters: 2x6 at 1'-4" O.C.

Overhangs: 8" eaves / 8" rakes (horizontal)

Floor area: 120.0 sq ft | Timber joists and sheathing

READ BEFORE USING THESE SHEETS

Dimensioned layout and framing reference drawings. Complete structural design, foundation and floor-support design, member and notch strength checks, bracing and connections are not included. Header table candidates apply only to their confirmed profile. Not an engineered or permit-ready plan set.

All wall dimensions reference framing, not finished cladding. Heights start at the planner floor datum; grade and foundation height are additional. Use written dimensions, not a ruler on a scaled print. Fractions display to the nearest 1/16 in. Member blanks are material allowances, not finished joinery instructions.

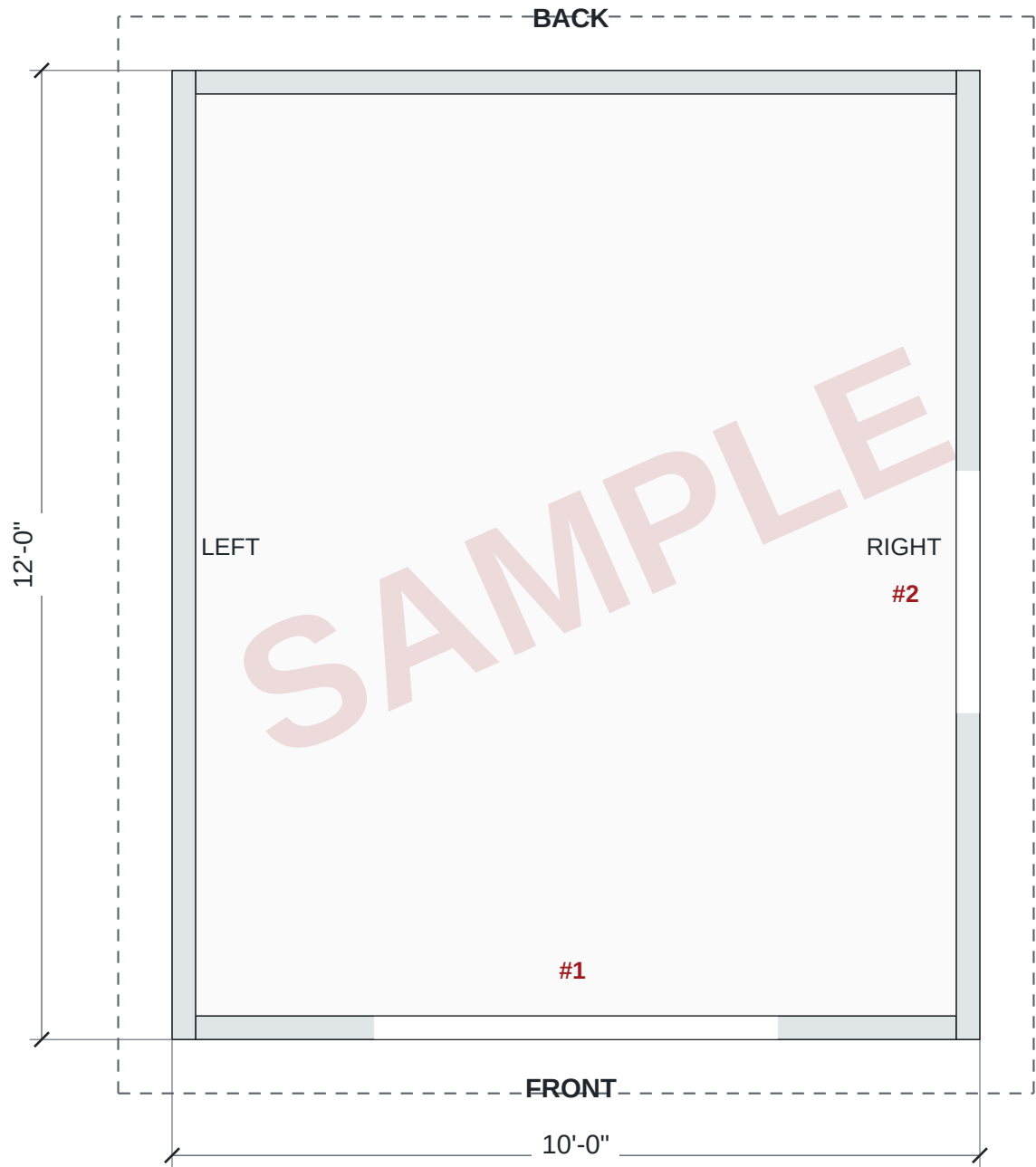
This set preserves the saved design shown here. Changes in the builder create a different revision. Review the layout, selected sizes and omitted construction details before ordering or cutting.

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Floor layout

Viewed from above. Front is at the bottom. Dashed outline is the roof projection.



LAYOUT REFERENCES

Outside framing: 10'-0" x 12'-0"
Clear interior: 9'-5" x 11'-5"
Corner-to-corner diagonal: 15'-7 7/16"
Wall thickness: 3 1/2"

Right and left walls run through with California corners. The other walls butt between them with single end studs. See C1 for plan details. Opening offsets start at frame left, viewed from outside; use O1.

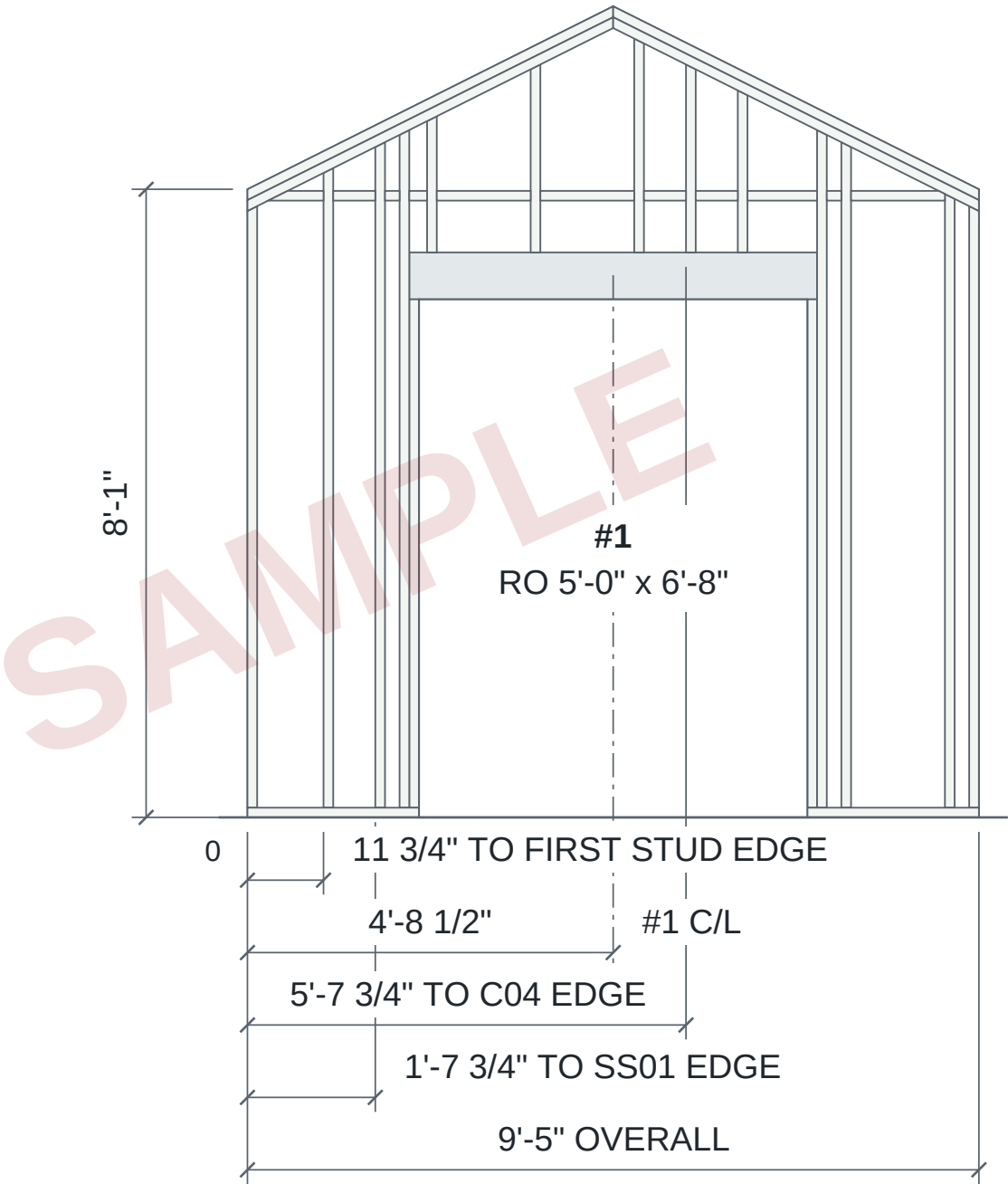
Selected timber floor members are shown on F1 and listed on M3. Beams, skids, foundation supports and connections need a separate design.

Front wall - elevation & layout

Viewed from outside. Opening centres and layout marks are measured from the left frame edge. Heights start at floor = 0.

2x4 STUDS @ 16" O.C.

Wall peak 10'-5 1/4"

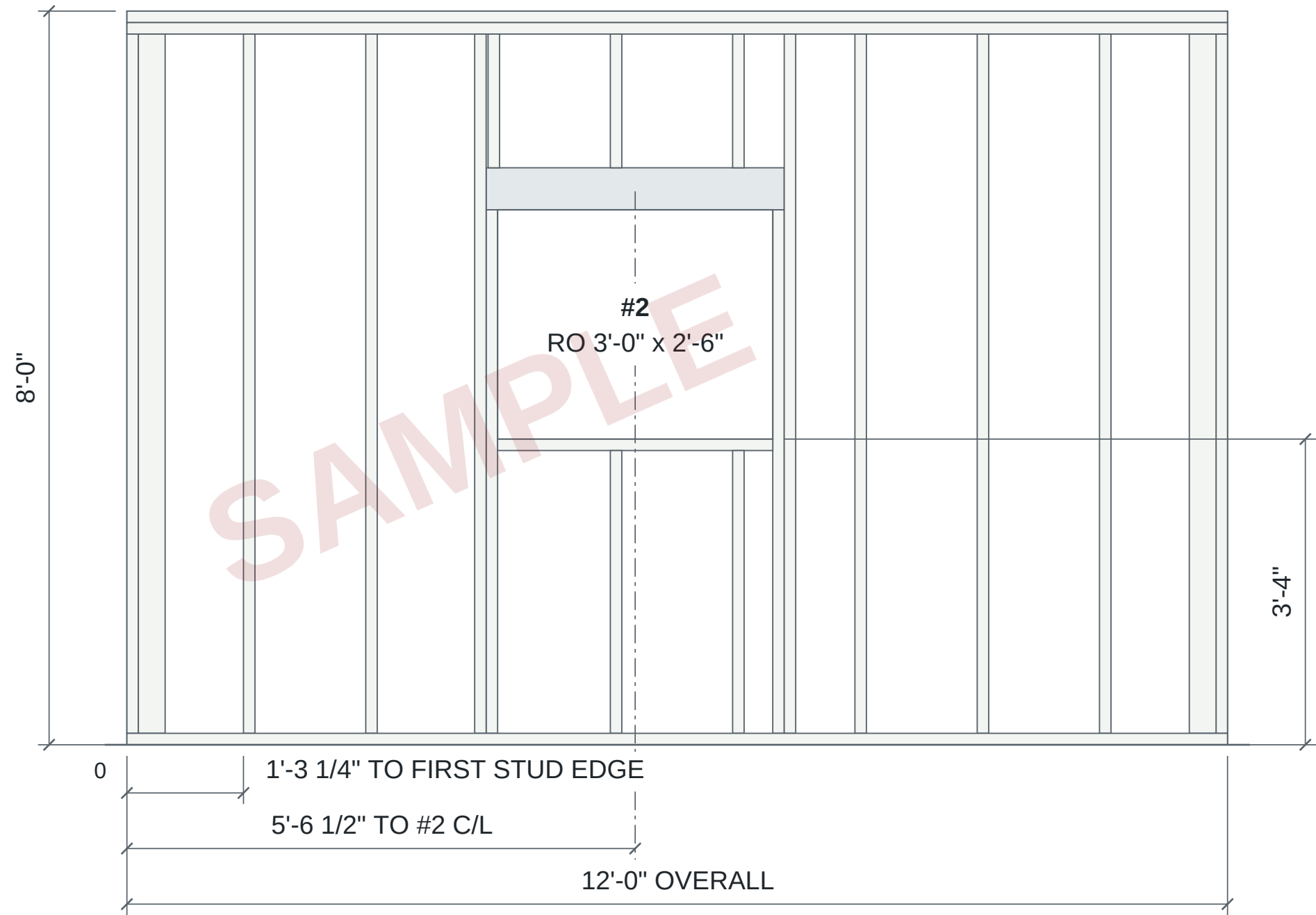


Butt wall - single end studs. RO = rough opening (W x H). C/L = centreline.
Regular stud spacing continues across openings. Separate marks locate added seam studs; horizontal backing is listed on D1.

Right wall - elevation & layout

Viewed from outside. Opening centres and layout marks are measured from the left frame edge. Heights start at floor = 0.

2x4 STUDS @ 16" O.C.



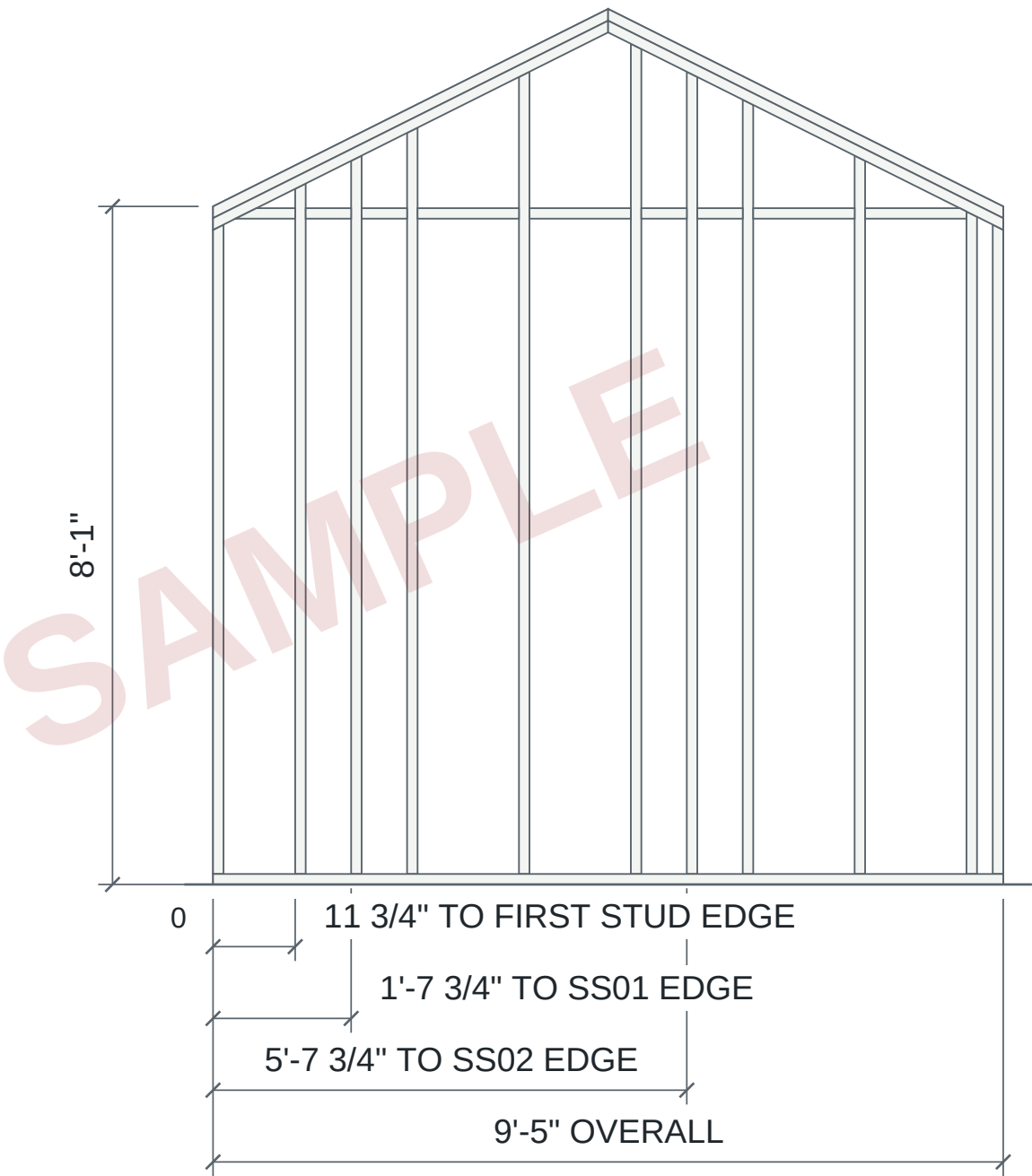
Through wall - California corners. RO = rough opening (W x H). C/L = centreline.
Regular stud spacing continues across openings. Separate marks locate added seam studs; horizontal backing is listed on D1.

Back wall - elevation & layout

Viewed from outside. Opening centres and layout marks are measured from the left frame edge. Heights start at floor = 0.

2x4 STUDS @ 16" O.C.

Wall peak 10'-5 1/4"



Butt wall - single end studs. RO = rough opening (W x H). C/L = centreline.
Regular stud spacing continues across openings. Separate marks locate added seam studs; horizontal backing is listed on D1.

Left wall - elevation & layout

Viewed from outside. Opening centres and layout marks are measured from the left frame edge. Heights start at floor = 0.

2x4 STUDS @ 16" O.C.



Through wall - California corners. RO = rough opening (W x H). C/L = centreline.
Regular stud spacing continues across openings. Separate marks locate added seam studs; horizontal backing is listed on D1.

Irregular blocking - location dimensions

Both end positions are measured from frame left. Bottom/top bound the actual profile; shaped ends follow the adjoining framing.

Wall / mark	Left end	Right end	Bottom above floor	Top above floor
Front / SB1	3 3/16"	11 3/4"	95 1/4"	96 3/4"
Front / SB2	13 1/4"	19 3/4"	95 1/4"	96 3/4"
Front / SB3	21 1/4"	23 1/2"	95 1/4"	96 3/4"
Front / SB4	25"	27 3/4"	95 1/4"	96 3/4"
Front / SB5	29 1/4"	43 3/4"	95 1/4"	96 3/4"
Front / SB6	45 1/4"	59 3/4"	95 1/4"	96 3/4"
Front / SB7	61 1/4"	67 3/4"	95 1/4"	96 3/4"
Front / SB8	69 1/4"	75 3/4"	95 1/4"	96 3/4"
Front / SB9	77 1/4"	88"	95 1/4"	96 3/4"
Front / SB10	89 1/2"	91 3/4"	95 1/4"	96 3/4"
Front / SB11	93 1/4"	107 3/4"	95 1/4"	96 3/4"
Back / SB1	3 3/16"	11 3/4"	95 1/4"	96 3/4"
Back / SB2	13 1/4"	19 3/4"	95 1/4"	96 3/4"
Back / SB3	21 1/4"	27 3/4"	95 1/4"	96 3/4"
Back / SB4	29 1/4"	43 3/4"	95 1/4"	96 3/4"
Back / SB5	45 1/4"	59 3/4"	95 1/4"	96 3/4"

Irregular blocking - location dimensions - continued

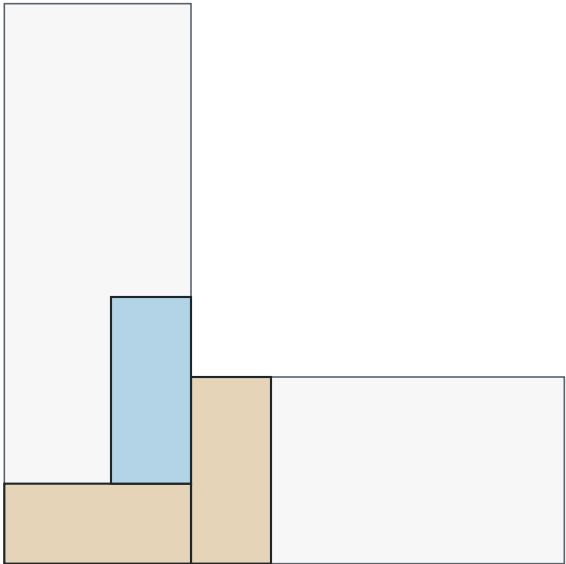
Both end positions are measured from frame left. Bottom/top bound the actual profile; shaped ends follow the adjoining framing.

Wall / mark	Left end	Right end	Bottom above floor	Top above floor
Back / SB6	61 1/4"	67 3/4"	95 1/4"	96 3/4"
Back / SB7	69 1/4"	75 3/4"	95 1/4"	96 3/4"
Back / SB8	77 1/4"	91 3/4"	95 1/4"	96 3/4"
Back / SB9	93 1/4"	107 3/4"	95 1/4"	96 3/4"

California corners - plan details

Viewed from above, just above the bottom plates. Tan: end studs. Blue: turned backing. Grey: other studs. Front is toward the bottom.

Front-left

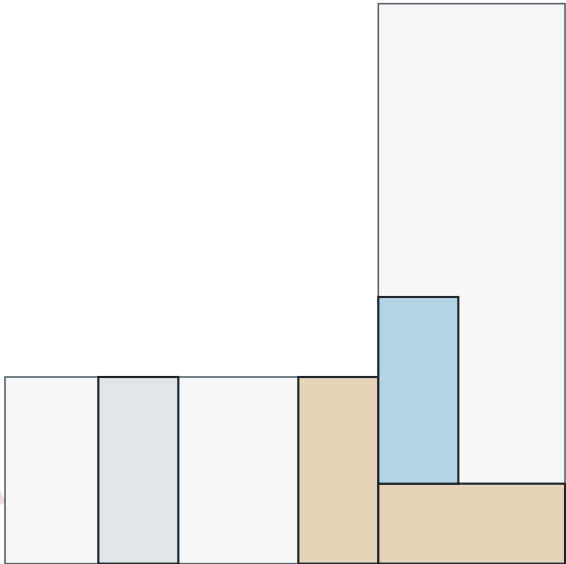


Through: Left wall
One end stud + one turned backing stud.

Butt: Front wall
One end stud against the through wall.

Stock: 2x4
Backing turns 90 degrees and sits flush with the inside face.

Front-right

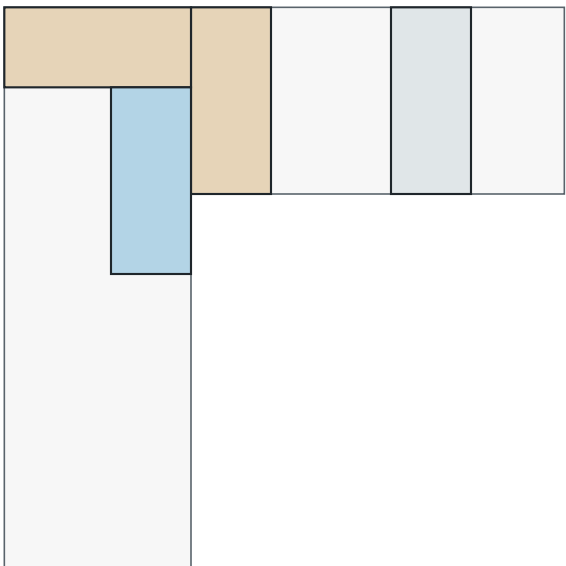


Through: Right wall
One end stud + one turned backing stud.

Butt: Front wall
One end stud against the through wall.

Stock: 2x4
Backing turns 90 degrees and sits flush with the inside face.

Back-left

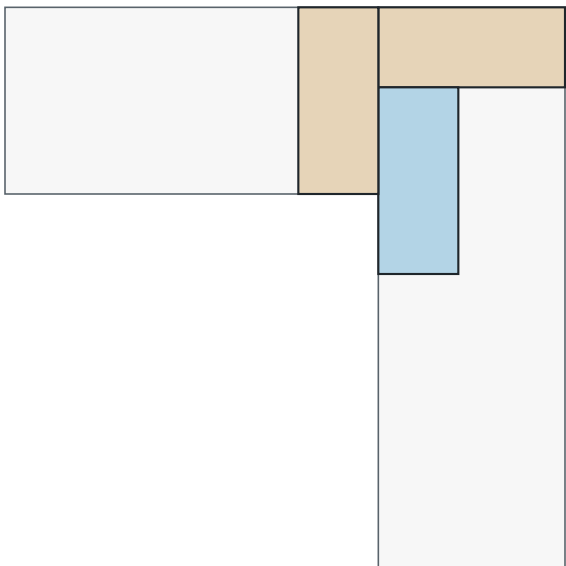


Through: Left wall
One end stud + one turned backing stud.

Butt: Back wall
One end stud against the through wall.

Stock: 2x4
Backing turns 90 degrees and sits flush with the inside face.

Back-right



Through: Right wall
One end stud + one turned backing stud.

Butt: Back wall
One end stud against the through wall.

Stock: 2x4
Backing turns 90 degrees and sits flush with the inside face.

All four backing studs are included in the wall member and material schedules. Connection and fastening details remain separate.

Opening schedule

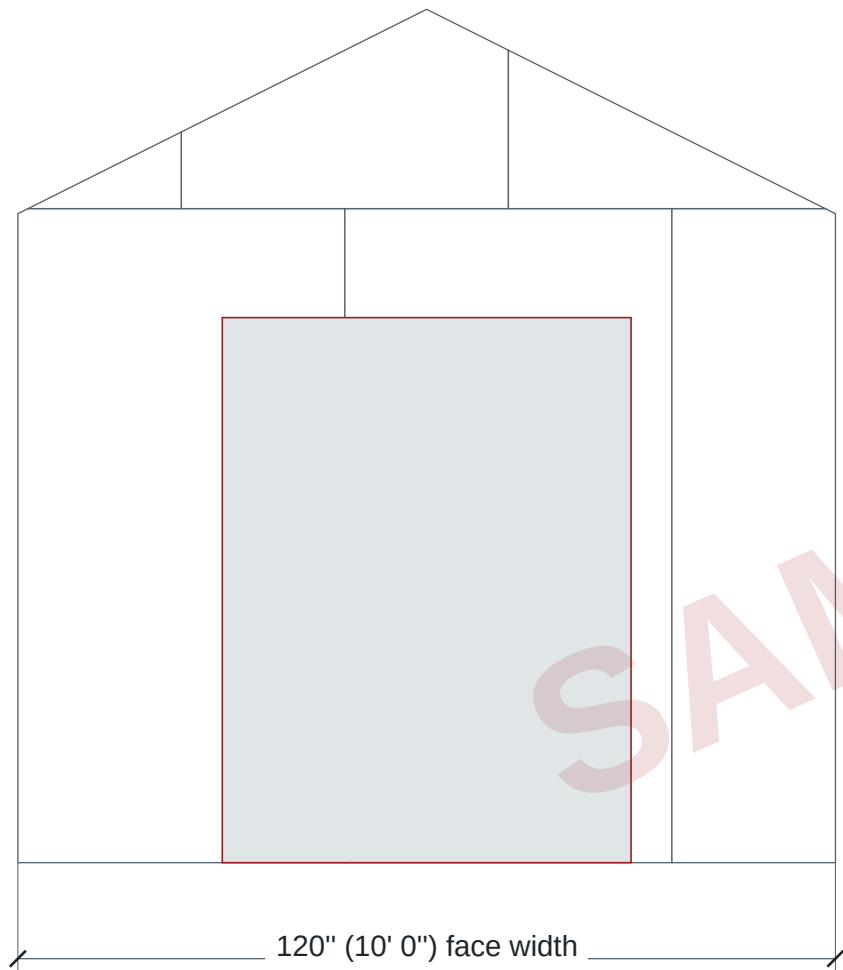
RO = clear rough opening. C/L is measured from frame left, viewed from outside; bottom is above the floor datum.

Mark / wall	Opening	RO width x height	RO centre / bottom	Header & support inputs
#1 / Front	Double door (door)	60" (5' 0") x 80" (6' 8")	C/L 56 1/2" (4' 8 1/2"); bottom 0" (0' 0")	MANUAL: 2 plies x 7 1/4" depth; 1 king / 1 jack each side
#2 / Right	Side window (window)	36" (3' 0") x 30" (2' 6")	C/L 66 1/2" (5' 6 1/2"); bottom 40" (3' 4")	MANUAL: 2 plies x 5 1/2" depth; 1 king / 1 jack each side

Front wall - sheathing layout

Panel faces use the outside-view coordinate system and frame-left dimensions. Openings cut through panels.

EXTERIOR | 6 panel pieces



Face start -3 1/2" (-0' 3 1/2") from frame left. Vertical seams: 20 1/2" / 44 1/2" / 68 1/2" / 92 1/2".

Horizontal seams above floor: 96". Primary reference: exterior.

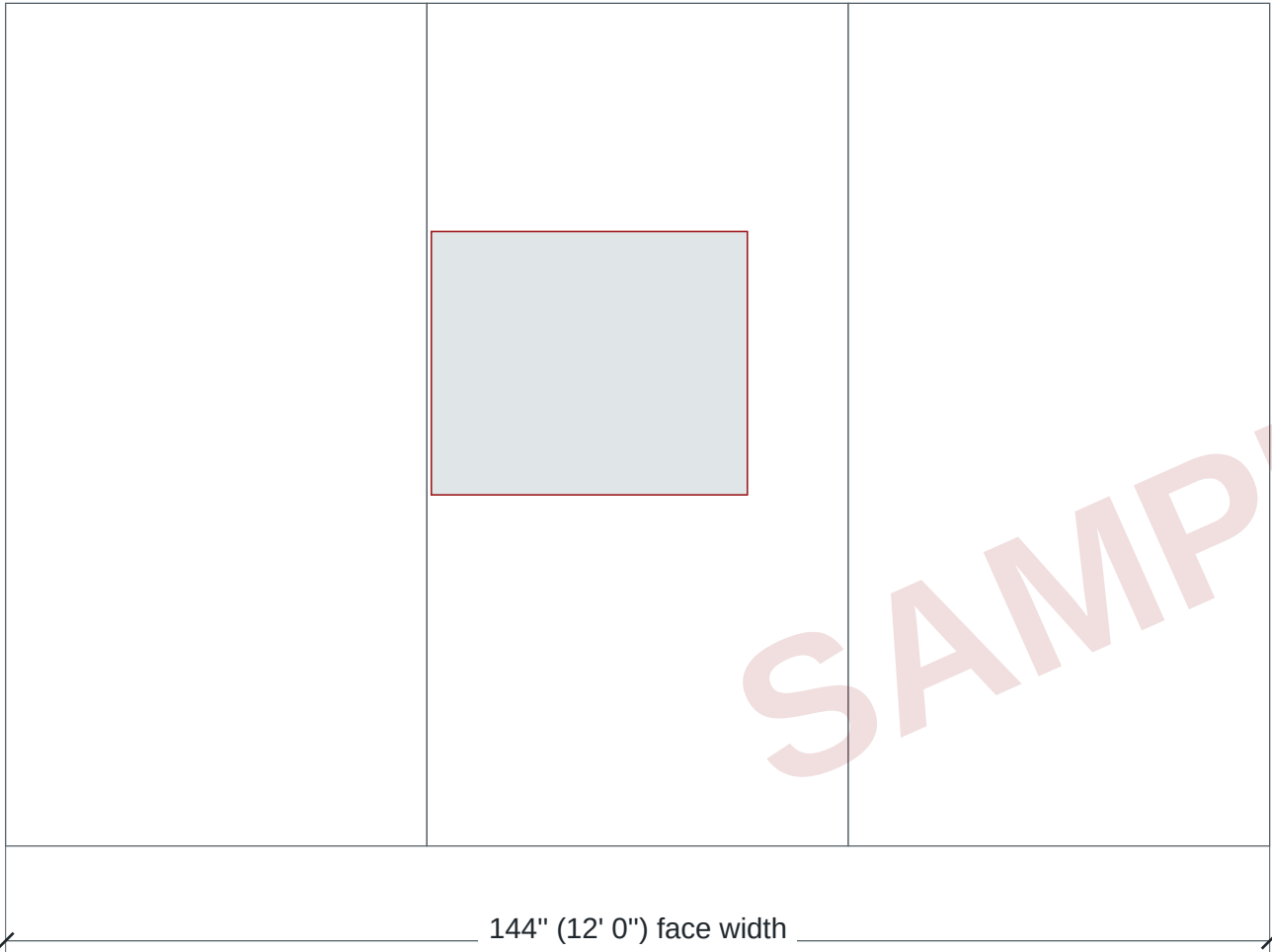
1 seam-support issue(s); see P0.

48 x 96 in stock; vertical; staggered rows. Full panel per piece; no offcut reuse assumed.

Right wall - sheathing layout

Panel faces use the outside-view coordinate system and frame-left dimensions. Openings cut through panels.

EXTERIOR | 3 panel pieces



Face start 0" (0' 0") from frame left. Vertical seams: 48" / 96".

Horizontal seams above floor: none. Primary reference: exterior.

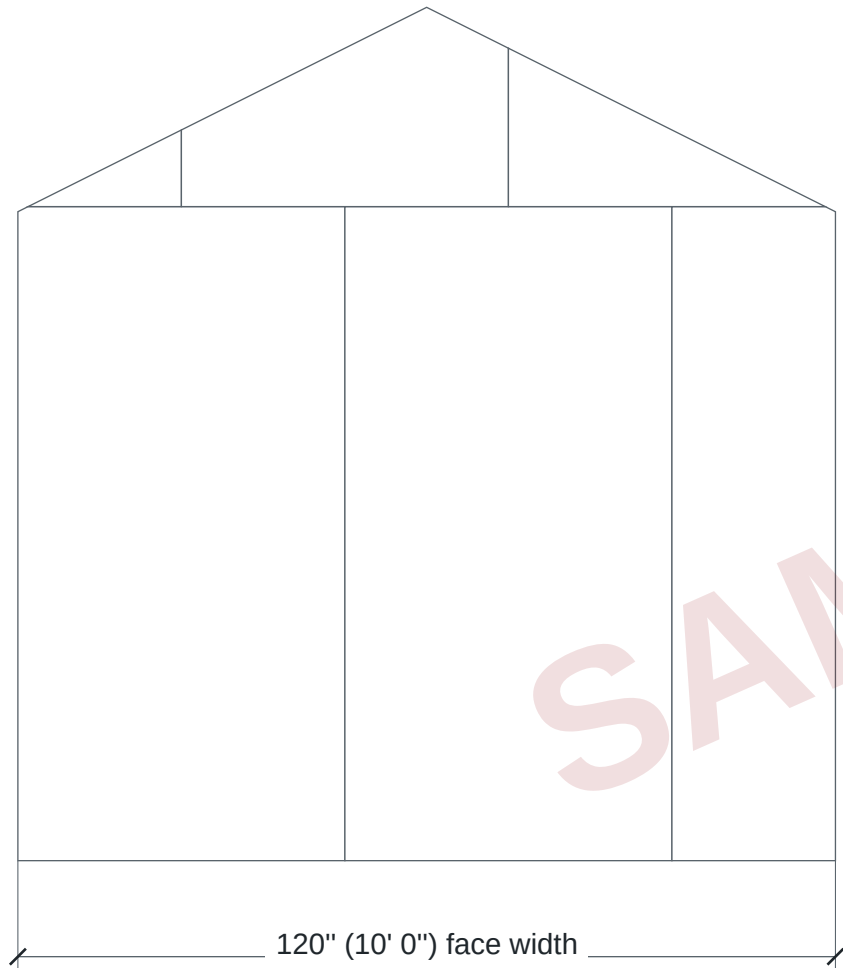
1 seam-support issue(s); see P0.

48 x 96 in stock; vertical; staggered rows. Full panel per piece; no offcut reuse assumed.

Back wall - sheathing layout

Panel faces use the outside-view coordinate system and frame-left dimensions. Openings cut through panels.

EXTERIOR | 6 panel pieces



Face start -3 1/2" (-0' 3 1/2") from frame left. Vertical seams: 20 1/2" / 44 1/2" / 68 1/2" / 92 1/2".

Horizontal seams above floor: 96". Primary reference: exterior.

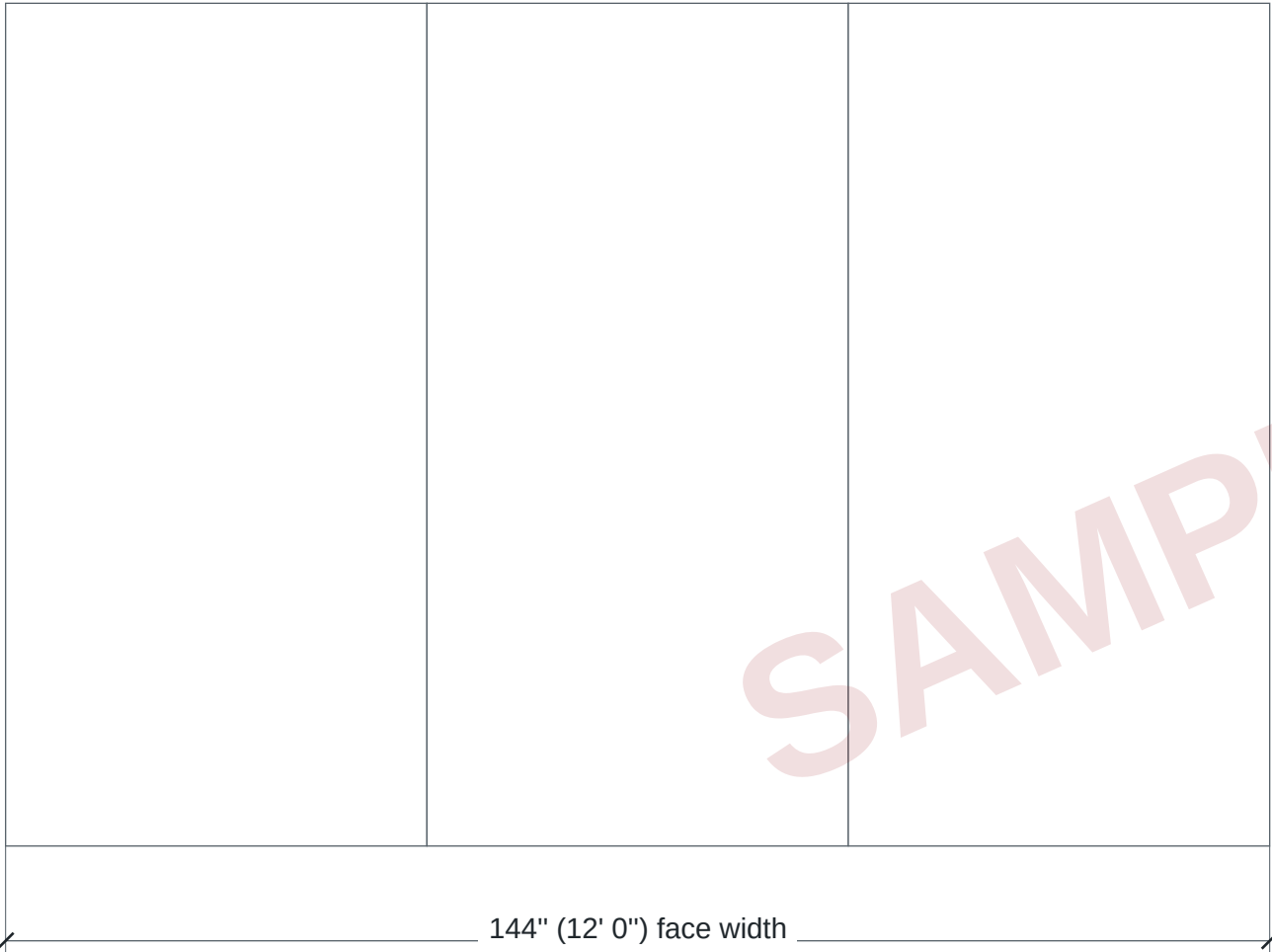
1 seam-support issue(s); see P0.

48 x 96 in stock; vertical; staggered rows. Full panel per piece; no offcut reuse assumed.

Left wall - sheathing layout

Panel faces use the outside-view coordinate system and frame-left dimensions. Openings cut through panels.

EXTERIOR | 3 panel pieces



Face start 0" (0' 0") from frame left. Vertical seams: 48" / 96".

Horizontal seams above floor: none. Primary reference: exterior.

48 x 96 in stock; vertical; staggered rows. Full panel per piece; no offcut reuse assumed.

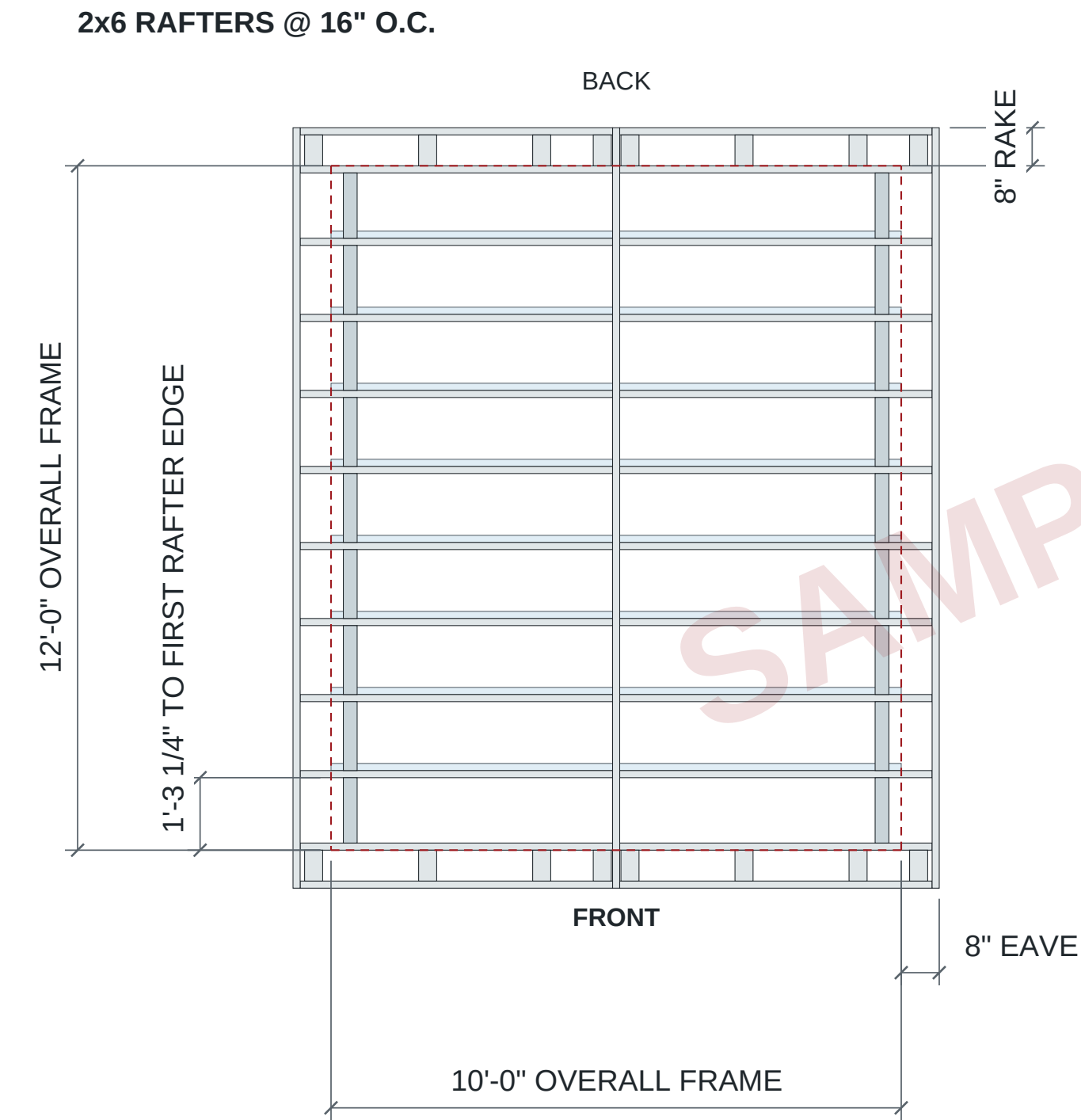
Sheathing support issues

Seams listed below need a revised panel layout or backing detail. Added backing appears in the wall model and lumber schedule.

Wall	Face	Required revision
Front	exterior	exterior horizontal seam at 96" above floor needs backing near a corner, opening or sloped plate.
Right	exterior	exterior seam at 48" from frame left, 0"-96" above floor needs backing or a revised panel joint.
Back	exterior	exterior horizontal seam at 96" above floor needs backing near a corner, opening or sloped plate.

Roof framing plan

Viewed from above. Front is at the bottom. Positions follow the roof's selected slope direction.



ROOF LAYOUT

- Rafters: 2x6 at 1'-4" O.C.
- Ridge: 2x8
- Ties: 2x4
- Blocking: 2x4
- Roof sheathing: 0 1/2"

First repeating rafter from the front outside frame edge to its near edge. End rafters sit flush with the frame ends; the last bay may be shorter.

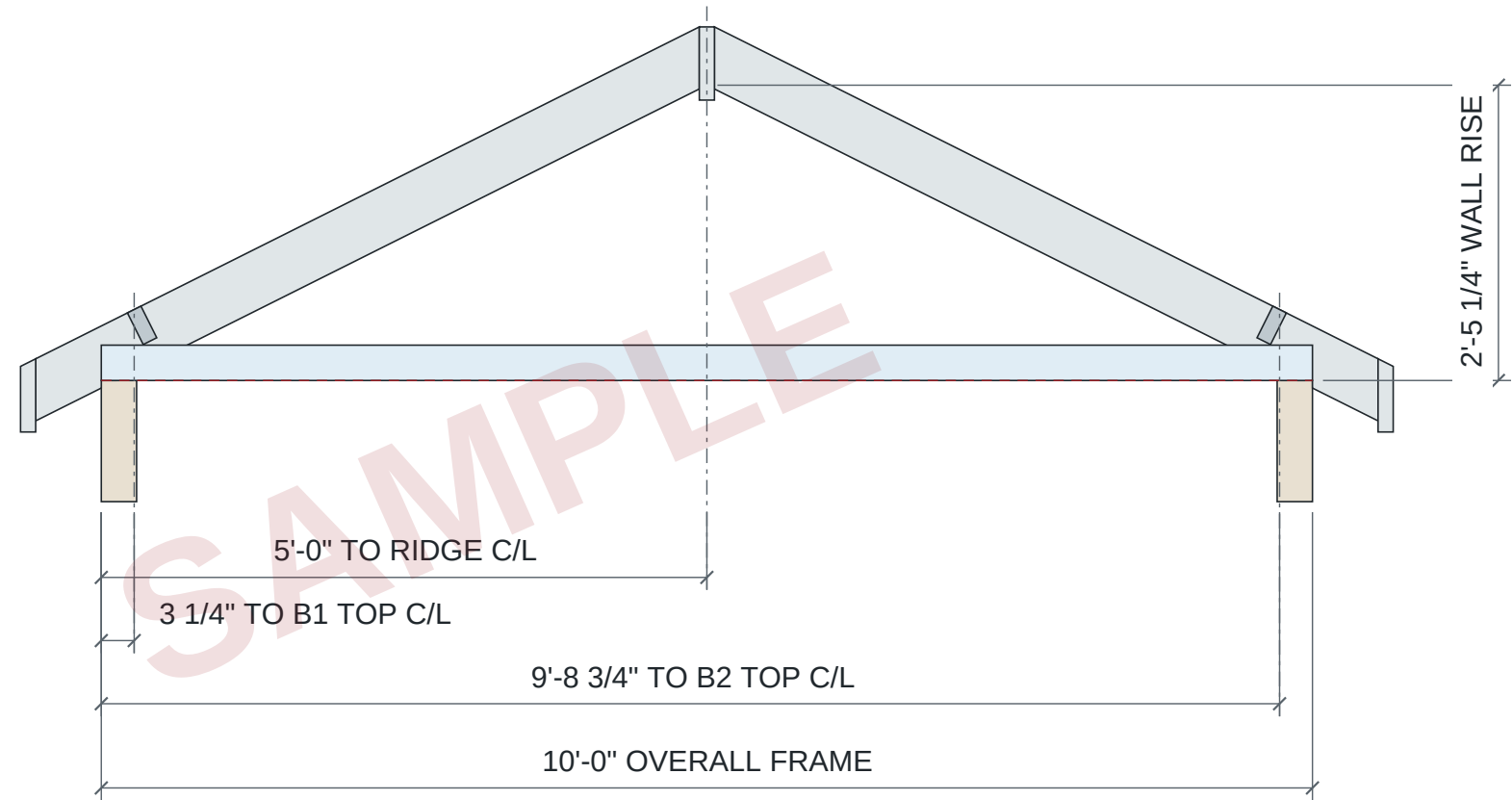
Red dashed line: outside walls. Blue: low rafter ties. Dark blocks: eave blocking. Row locations are dimensioned on R2. Overhangs are equal on opposite sides.

Eave overhang 8"; rake overhang 8". Overhang dimensions are horizontal, measured from the outside wall frame.

Roof cross-section & member relationship

Projected member profiles across the roof; members occur at different positions along the roof. See selected bearing detail when enabled.

6:12 PITCH LEFT TO RIGHT



Wall profile peak: 10'-5 1/4" above floor. Roof deck highest point: 10'-11 15/16" above floor, before roof covering. Rafter depth is measured normal to the roof slope.

B1 / B2 locate the top-face centres of eave-blocking rows from the left outside wall. Blocks span the clear bay between rafters and move upslope where needed to clear ties.

Rake ladder blocks - horizontal top C/L positions from the same left frame edge. Left slope: first top C/L -4"; repeat 2'-0" O.C.; last 4'-8 3/4". Right slope: first top C/L 5'-3 1/4"; repeat 2'-0" O.C.; last 10'-4". The final gap may be shorter.

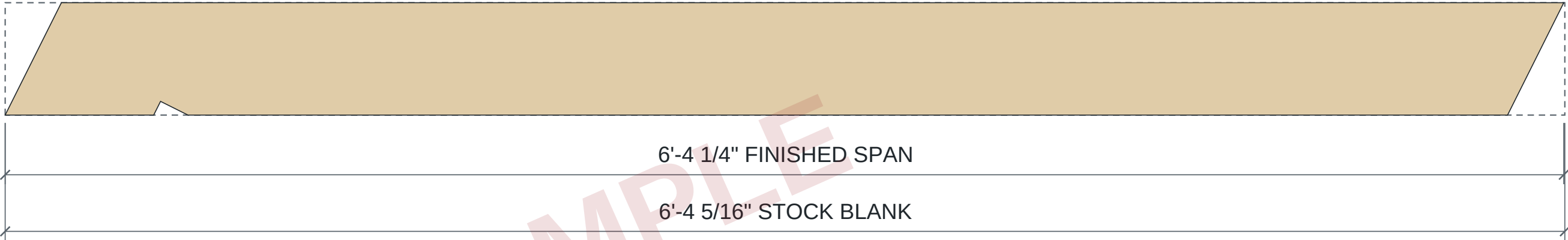
Geometric fit only. Selected seats appear on R4. Connections, notch strength, load checks, overhang support and ventilation require separate details.

Rafter plumb-end cutting profile

Complete profile inside its stock envelope. Selected birdsmouth included; see R4. End rafter / Common rafter; 10 pieces.

Grain runs left to right. Both end cuts 26.57 deg off square / 63.43 deg to the long board edge.

Example mark RF1; seat at left bearing wall(s).



Same-edge length 73 1/2" (6' 1 1/2"). Plumb-end allowance 2 3/4".
Extra stock 0" at each end. Blank rounded up to 1/16 in. Stock saw kerf is counted separately.

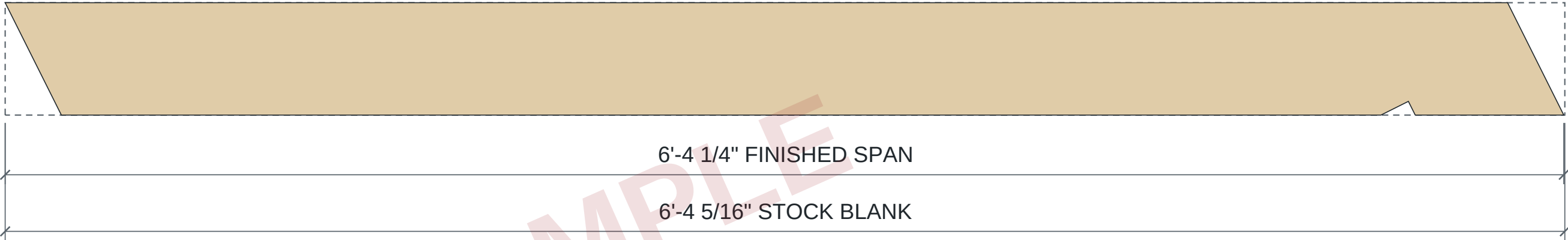
The blank is the maximum minus minimum projection of every profile vertex along the grain, plus the selected end trim. Never subtract the angled-end allowance from the required stock. Confirm bearing cuts, connections and the resulting roof elevation against the construction detail.

Rafter plumb-end cutting profile

Complete profile inside its stock envelope. Selected birdsmouth included; see R4. End rafter / Common rafter; 10 pieces.

Grain runs left to right. Both end cuts 26.57 deg off square / 63.43 deg to the long board edge.

Example mark RF2; seat at right bearing wall(s).



Same-edge length 73 1/2" (6' 1 1/2"). Plumb-end allowance 2 3/4".
Extra stock 0" at each end. Blank rounded up to 1/16 in. Stock saw kerf is counted separately.

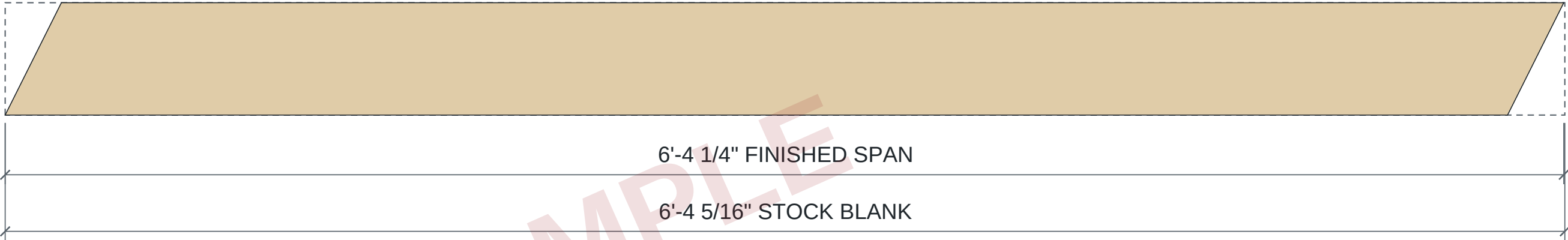
The blank is the maximum minus minimum projection of every profile vertex along the grain, plus the selected end trim. Never subtract the angled-end allowance from the required stock. Confirm bearing cuts, connections and the resulting roof elevation against the construction detail.

Rafter plumb-end cutting profile

Complete profile inside its stock envelope. Unnotched member. Fly rafter; 2 pieces.

Grain runs left to right. Both end cuts 26.57 deg off square / 63.43 deg to the long board edge.

Example mark RF48; no seat cuts.



Same-edge length 73 1/2" (6' 1 1/2"). Plumb-end allowance 2 3/4".
Extra stock 0" at each end. Blank rounded up to 1/16 in. Stock saw kerf is counted separately.

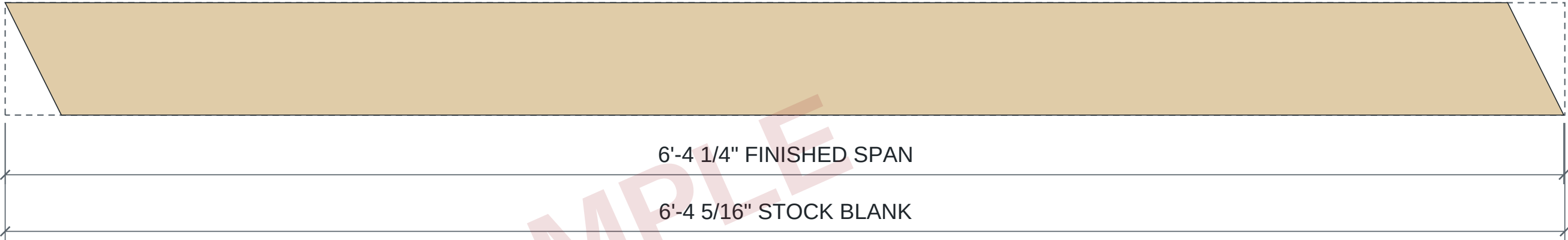
The blank is the maximum minus minimum projection of every profile vertex along the grain, plus the selected end trim. Never subtract the angled-end allowance from the required stock. Confirm bearing cuts, connections and the resulting roof elevation against the construction detail.

Rafter plumb-end cutting profile

Complete profile inside its stock envelope. Unnotched member. Fly rafter; 2 pieces.

Grain runs left to right. Both end cuts 26.57 deg off square / 63.43 deg to the long board edge.

Example mark RF49; no seat cuts.

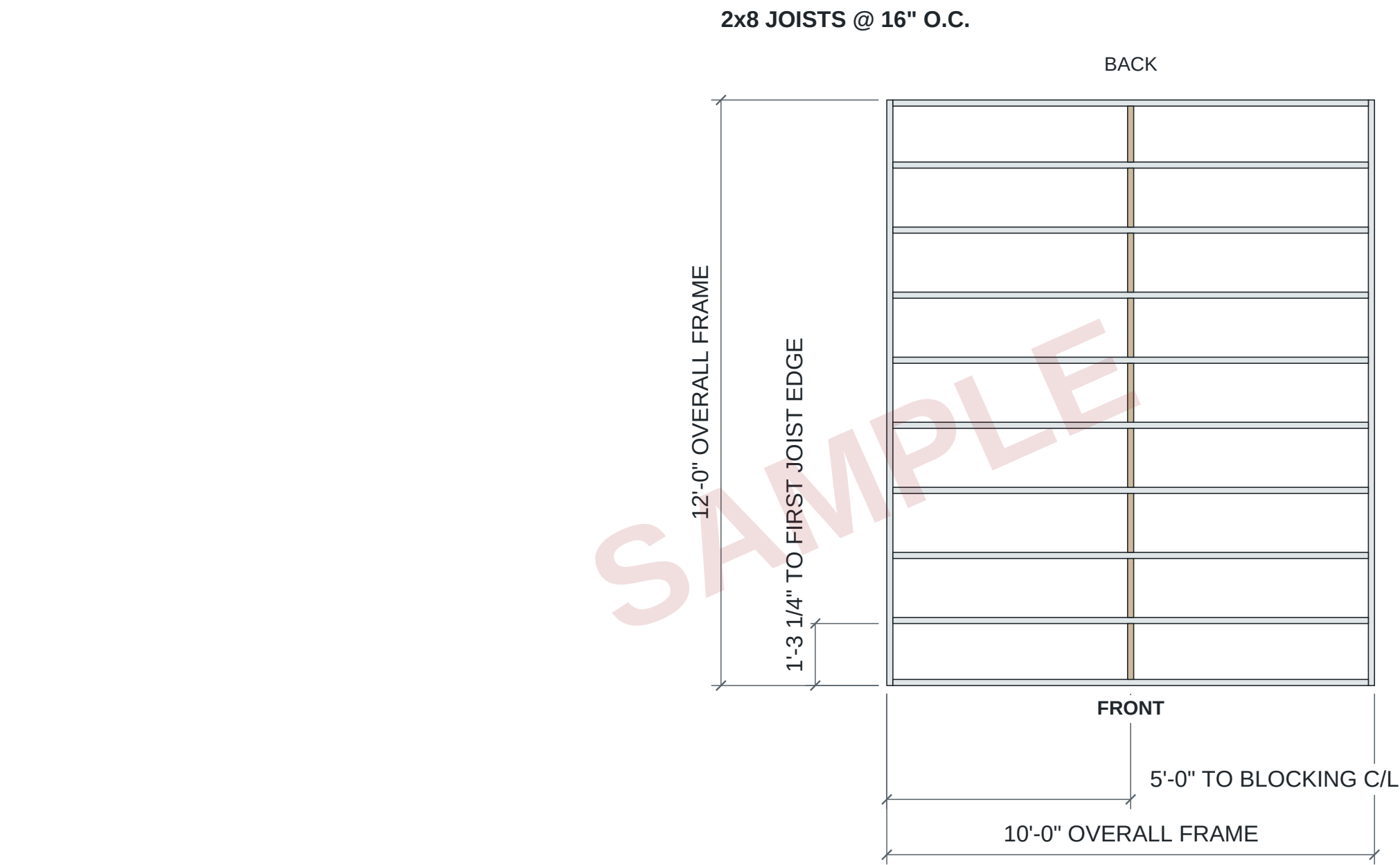


Same-edge length 73 1/2" (6' 1 1/2"). Plumb-end allowance 2 3/4".
Extra stock 0" at each end. Blank rounded up to 1/16 in. Stock saw kerf is counted separately.

The blank is the maximum minus minimum projection of every profile vertex along the grain, plus the selected end trim. Never subtract the angled-end allowance from the required stock. Confirm bearing cuts, connections and the resulting roof elevation against the construction detail.

Timber floor framing

Viewed from above. Front is at bottom. Joists fit between two rim boards; edge joists sit flush with the frame.



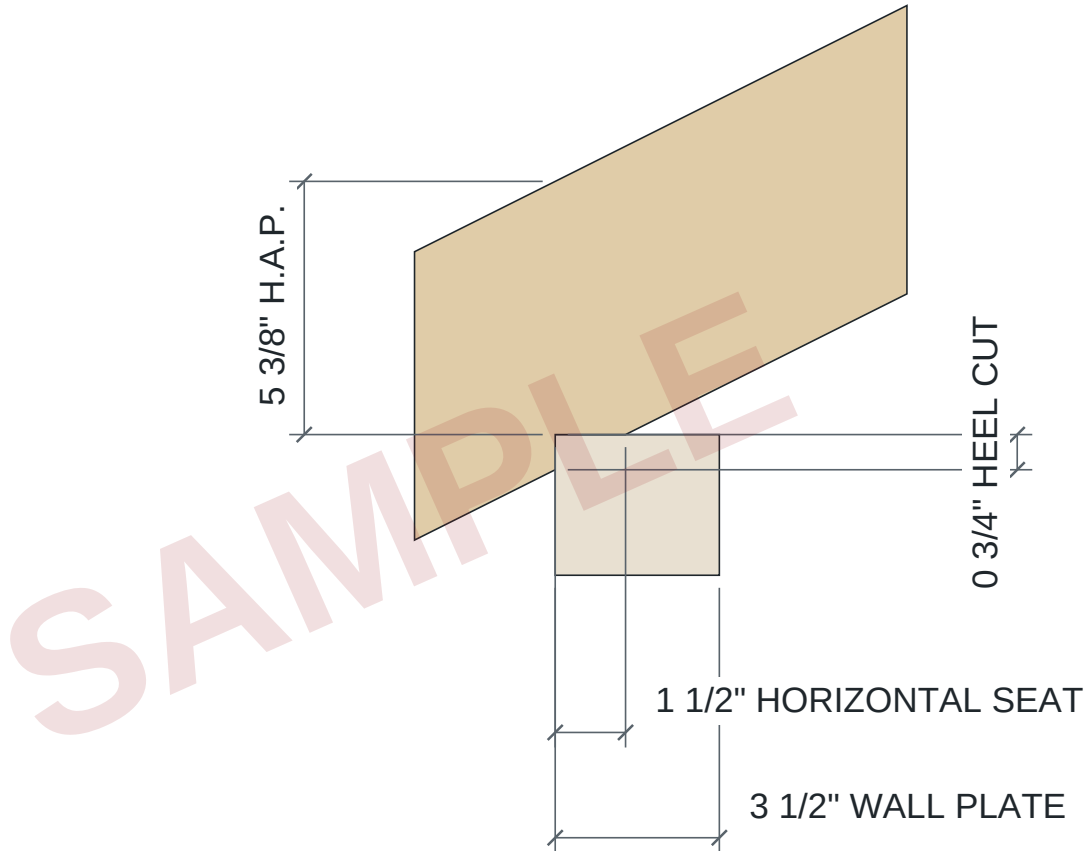
2x8 at 1'-4" O.C. First mark from the front outside frame edge. Joist blank 117" (9' 9"). Floor sheathing 0 3/4"; frame bottom 8" below floor datum.

Layout uses the entered member size; it does not establish an allowable span. Beams, skids, foundation supports, floor connections and anchorage require the project design. Member blanks: M3.

Rafter birdsmouth & bearing

Solid sawn rafter. Horizontal seat width is a project input; verify member and notch capacity before cutting.

BIRDSMOUTH SOLID SAWN RAFTER 6:12



H.A.P. = vertical height above plate at the heel. Notch depth normal to grain 0 11/16" (12.2% of the rafter); timber remaining 4 13/16".

Mirror the seat at the opposite eave. Heels line up with the outside faces of the bearing walls.

Sloped end walls follow the uncut underside. Fly rafters remain unnotched; end rafters use seats only where the bearing walls run through. Geometric fit does not establish strength, bearing capacity or a fastening detail.

Wall member blank schedule

Member marks match the model. Header plies counted individually. Added framing locations are on the wall elevations and D1; blanks round up to 1/16 in.

Wall	Member / mark	Stock	Blank length	Qty	Profile reference
Front	End stud / E01, E02	2x4	92 15/16" (7' 8 15/16")	2	Level / plumb profile
Front	Header / H01	Header 1.5 x 7.25 in actual	63" (5' 3")	2	Level / plumb profile
Front	Jack stud / J01, J02	2x4	78 1/2" (6' 6 1/2")	2	Level / plumb profile
Front	King stud / K01, K02	2x4	104 11/16" (8' 8 11/16")	2	Level / plumb profile
Front	Upper cripple / C01	2x4	21 1/16" (1' 9 1/16")	1	Level / plumb profile
Front	Upper cripple / C02	2x4	29 1/16" (2' 5 1/16")	1	Level / plumb profile
Front	Upper cripple / C03	2x4	33 1/16" (2' 9 1/16")	1	Level / plumb profile
Front	Seam upper cripple / C04	2x4	29 1/16" (2' 5 1/16")	1	Level / plumb profile
Front	Upper cripple / C05	2x4	25 1/16" (2' 1 1/16")	1	Level / plumb profile
Front	Common stud / F01	2x4	98 13/16" (8' 2 13/16")	1	Level / plumb profile
Front	Seam stud / SS01	2x4	102 13/16" (8' 6 13/16")	1	Level / plumb profile
Front	Common stud / F02	2x4	102 13/16" (8' 6 13/16")	1	Level / plumb profile
Front	Common stud / F03	2x4	94 13/16" (7' 10 13/16")	1	Level / plumb profile
Front	Top plate / T01, T03	2x4	63 15/16" (5' 3 15/16")	2	26.6 deg member axis
Front	Top plate / T02, T04	2x4	63 15/16" (5' 3 15/16")	2	-26.6 deg member axis
Front	Bottom plate / B01	2x4	113" (9' 5")	1	Level / plumb profile

Wall member blank schedule - continued

Member marks match the model. Header plies counted individually. Added framing locations are on the wall elevations and D1; blanks round up to 1/16 in.

Wall	Member / mark	Stock	Blank length	Qty	Profile reference
Front	Seam blocking / SB1	2x4	8 9/16" (0' 8 9/16")	1	Horizontal stock; transfer shaped ends from wall profile
Front	Seam blocking / SB2, SB7, SB8	2x4	6 1/2" (0' 6 1/2")	3	Horizontal stock; transfer shaped ends from wall profile
Front	Seam blocking / SB3, SB10	2x4	2 1/4" (0' 2 1/4")	2	Horizontal stock; transfer shaped ends from wall profile
Front	Seam blocking / SB4	2x4	2 3/4" (0' 2 3/4")	1	Horizontal stock; transfer shaped ends from wall profile
Front	Seam blocking / SB5, SB6, SB11	2x4	14 1/2" (1' 2 1/2")	3	Horizontal stock; transfer shaped ends from wall profile
Front	Seam blocking / SB9	2x4	10 3/4" (0' 10 3/4")	1	Horizontal stock; transfer shaped ends from wall profile
Right	End stud / E01, E02	2x4	91 1/2" (7' 7 1/2")	2	Level / plumb profile
Right	Corner backing / CB01, CB02	2x4	91 1/2" (7' 7 1/2")	2	Turned 90 deg; inside face, see C1
Right	Header / H01	Header 1.5 x 5.5 in actual	39" (3' 3")	2	Level / plumb profile
Right	Jack stud / J01, J02	2x4	68 1/2" (5' 8 1/2")	2	Level / plumb profile
Right	King stud / K01, K02	2x4	91 1/2" (7' 7 1/2")	2	Level / plumb profile
Right	Rough sill / S01	2x4	36" (3' 0")	1	Level / plumb profile
Right	Upper cripple / C01, C02, C04	2x4	17 1/2" (1' 5 1/2")	3	Level / plumb profile
Right	Lower cripple / C03, C05	2x4	37" (3' 1")	2	Level / plumb profile

Wall member blank schedule - continued

Member marks match the model. Header plies counted individually. Added framing locations are on the wall elevations and D1; blanks round up to 1/16 in.

Wall	Member / mark	Stock	Blank length	Qty	Profile reference
Right	Common stud / F01, F02, F03, F04, F05	2x4	91 1/2" (7' 7 1/2")	5	Level / plumb profile
Right	Top plate / T01, T02	2x4	144" (12' 0")	2	Level / plumb profile
Right	Bottom plate / B01	2x4	144" (12' 0")	1	Level / plumb profile
Back	End stud / E01, E02	2x4	92 15/16" (7' 8 15/16")	2	Level / plumb profile
Back	Common stud / F01	2x4	98 13/16" (8' 2 13/16")	1	Level / plumb profile
Back	Seam stud / SS01	2x4	102 13/16" (8' 6 13/16")	1	Level / plumb profile
Back	Common stud / F02	2x4	106 13/16" (8' 10 13/16")	1	Level / plumb profile
Back	Common stud / F03	2x4	114 13/16" (9' 6 13/16")	1	Level / plumb profile
Back	Common stud / F04	2x4	118 13/16" (9' 10 13/16")	1	Level / plumb profile
Back	Seam stud / SS02	2x4	114 13/16" (9' 6 13/16")	1	Level / plumb profile
Back	Common stud / F05	2x4	110 13/16" (9' 2 13/16")	1	Level / plumb profile
Back	Common stud / F06	2x4	102 13/16" (8' 6 13/16")	1	Level / plumb profile
Back	Common stud / F07	2x4	94 13/16" (7' 10 13/16")	1	Level / plumb profile
Back	Top plate / T01, T03	2x4	63 15/16" (5' 3 15/16")	2	26.6 deg member axis
Back	Top plate / T02, T04	2x4	63 15/16" (5' 3 15/16")	2	-26.6 deg member axis
Back	Bottom plate / B01	2x4	113" (9' 5")	1	Level / plumb profile

Wall member blank schedule - continued

Member marks match the model. Header plies counted individually. Added framing locations are on the wall elevations and D1; blanks round up to 1/16 in.

Wall	Member / mark	Stock	Blank length	Qty	Profile reference
Back	Seam blocking / SB1	2x4	8 9/16" (0' 8 9/16")	1	Horizontal stock; transfer shaped ends from wall profile
Back	Seam blocking / SB2, SB3, SB6, SB7	2x4	6 1/2" (0' 6 1/2")	4	Horizontal stock; transfer shaped ends from wall profile
Back	Seam blocking / SB4, SB5, SB8, SB9	2x4	14 1/2" (1' 2 1/2")	4	Horizontal stock; transfer shaped ends from wall profile
Left	End stud / E01, E02	2x4	91 1/2" (7' 7 1/2")	2	Level / plumb profile
Left	Corner backing / CB01, CB02	2x4	91 1/2" (7' 7 1/2")	2	Turned 90 deg; inside face, see C1
Left	Common stud / F01, F02, F03, F04, F05, F06, F07, F08	2x4	91 1/2" (7' 7 1/2")	8	Level / plumb profile
Left	Top plate / T01, T02	2x4	144" (12' 0")	2	Level / plumb profile
Left	Bottom plate / B01	2x4	144" (12' 0")	1	Level / plumb profile

Roof member blank schedule

Every rafter blank contains the complete modeled plumb-end geometry plus end trim. Selected seats are shown when enabled. Member and connection design remain separate.

Member	Stock	Profile span / blank	Qty	Cut reference
End rafter	2x6	76 1/4" (6' 4 1/4") finished; 76 5/16" (6' 4 5/16") blank	4	26.57 deg off square; 0" trim/end. Profiles: R3; selected seats: R4.
Common rafter	2x6	76 1/4" (6' 4 1/4") finished; 76 5/16" (6' 4 5/16") blank	16	26.57 deg off square; 0" trim/end. Profiles: R3; selected seats: R4.
Rafter tie	2x4	120" (10' 0") blank	8	Square longitudinal blank; connections require a separate detail
Ridge board	2x8	160" (13' 4") blank	1	Square longitudinal blank; connections require a separate detail
Eave blocking	2x4	13 3/4" (1' 1 3/4") blank	4	Full clear bay; sloped profile, see R2
Eave blocking	2x4	14 1/2" (1' 2 1/2") blank	14	Full clear bay; sloped profile, see R2
Fly rafter	2x6	76 1/4" (6' 4 1/4") finished; 76 5/16" (6' 4 5/16") blank	4	26.57 deg off square; 0" trim/end. Profiles: R3; selected seats: R4.
Rake ladder block	2x4 on flat	6 1/2" (0' 6 1/2") blank	16	Square longitudinal blank; connections require a separate detail
Subfascia	2x8	160" (13' 4") blank	2	Square longitudinal blank; connections require a separate detail

Floor member blank schedule

Net floor blanks. Whole boards, saw kerf and spares are allocated in Q1. Supports and connections require a separate design.

Member / marks	Stock	Net blank	Qty	Basis
Rim joist / FL1, FL2	2x8	144" (12' 0")	2	Square ends; joists fit between full-length rim boards
Edge joist / FL3, FL12	2x8	117" (9' 9")	2	Square ends; joists fit between full-length rim boards
Floor joist / FL4, FL5, FL6, FL7, FL8, FL9, FL10, FL11	2x8	117" (9' 9")	8	Square ends; joists fit between full-length rim boards
Floor blocking / FL13, FL21	2x8	13 3/4" (1' 1 3/4")	2	Clear between adjacent joists; one mid-length row
Floor blocking / FL14, FL15, FL16, FL17, FL18, FL19, FL20	2x8	14 1/2" (1' 2 1/2")	7	Clear between adjacent joists; one mid-length row

Material order quantities

Lumber spare allowance 5%; surface allowance 10%. Quantities only; supplier prices, taxes and labour excluded.

Material	Quantity	Unit	Allowance / basis
2x4 8 ft	2	boards	Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof.
2x4 10 ft	28	boards	1 spare included. Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof. Includes 1 spare.
2x4 12 ft	16	boards	1 spare included. Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof. Includes 1 spare.
2x4 14 ft	3	boards	Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof.
2x4 16 ft	10	boards	1 spare included. Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof. Includes 1 spare.
2x6 14 ft	11	boards	1 spare included. Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof. Includes 1 spare.
2x6 16 ft	2	boards	Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof.
2x8 8 ft	1	boards	Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof.
2x8 10 ft	11	boards	1 spare included. Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof. Includes 1 spare.
2x8 12 ft	3	boards	Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof.
2x8 16 ft	3	boards	Stock allocation includes 0.125" saw kerf; offcuts can be shared across walls and roof.
Exterior sheathing 48x96 in panels	20	sheets	One full panel per laid-out piece + 10%. Opening cut-outs included; offcut reuse not assumed.
Roof sheathing 4x8 equivalent	6	sheets	Sloped surface including overhangs + 10%. 0.5" entered thickness; confirm panel specification.
Floor sheathing 4x8 equivalent	5	sheets	Floor area + 10%. Panel specification and floor supports require a separate design. Selected floor members appear in the lumber takeoff.
Wall cladding coverage	368.41	sq ft	Net area after rough openings + 10%. Trims, laps and product coverage may increase the order.

Material order quantities - continued

Lumber spare allowance 5%; surface allowance 10%. Quantities only; supplier prices, taxes and labour excluded.

Material	Quantity	Unit	Allowance / basis
Roof covering coverage	185.84	sq ft	Roof surface + 10%. Confirm product coverage, pitch limits, laps, ridges and flashing.
Roof underlayment coverage	185.84	sq ft	Full roof surface + 10%. Confirm the roof system, laps and any separate ice/water membrane areas.
Metal fascia cover 7.25" face	57.21	lin ft	Eaves + sloping rakes: 52.0 lin ft net + 10%. Confirm laps and formed cover width.
Soffit coverage boxed eaves	36.93	sq ft	33.6 sq ft net + 10%. Includes sloped rakes and returns. Confirm panel coverage, backing and ventilation.
Soffit wall receiver / backing	51	lin ft	Wall-side edges with a soffit + 10%. Product-specific J/F-channel and outside trim are separate.
Roof edge flashing coverage	57.21	lin ft	Entire roof perimeter + 10%. Choose eave/rake profiles for the roof covering; allow specified laps.
Ridge cap coverage	14.67	lin ft	One ridge + 10%. Roof-system detail required; ridge vent is not specified.

Drawing index - continued

Sheet codes match the footer on each drawing.

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Q1	Material order quantities	30-31