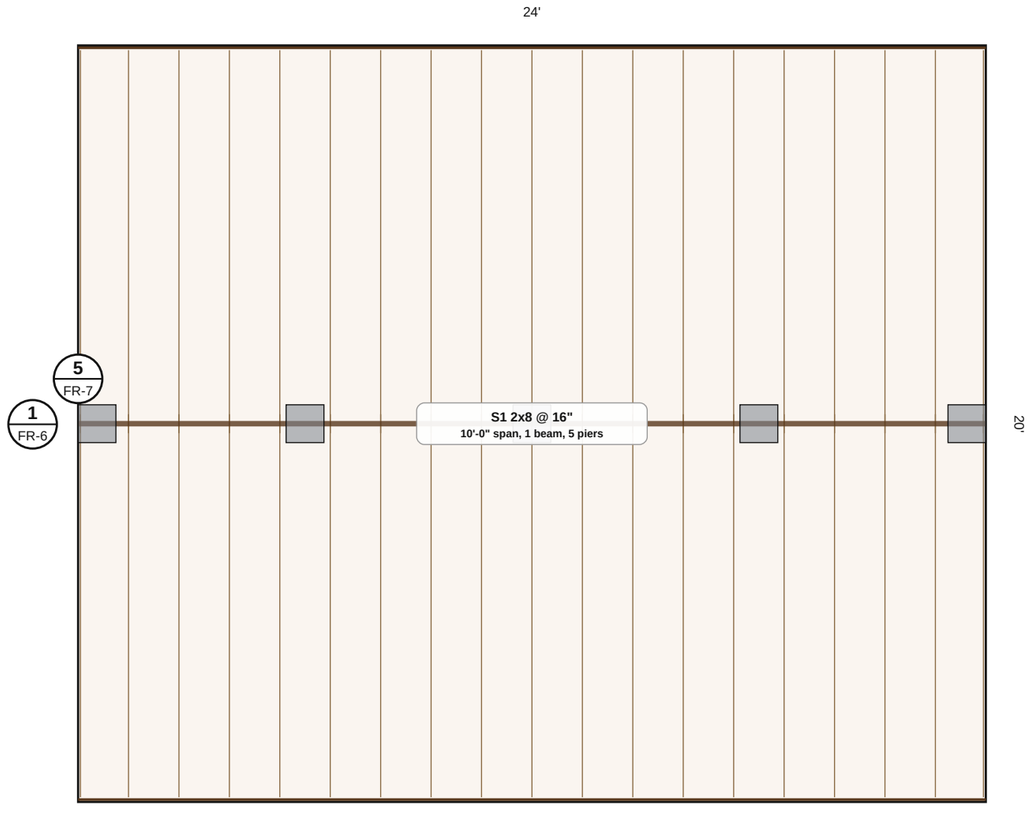


1 FLOOR FRAMING PLAN

SCALE: 1/4" = 1'-0"

- Floor joists at the spacing shown
- Beams, rims and ledgers
- Piers (footings: Concrete Designer)
- Bearing line (wall or beam below)

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Code tables are defaults: verify spans, headers and loads with the building department. Spans past the tables, point loads and tall walls need an engineer. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	10/26/2026	Issued for review

DATE
10/26/2026

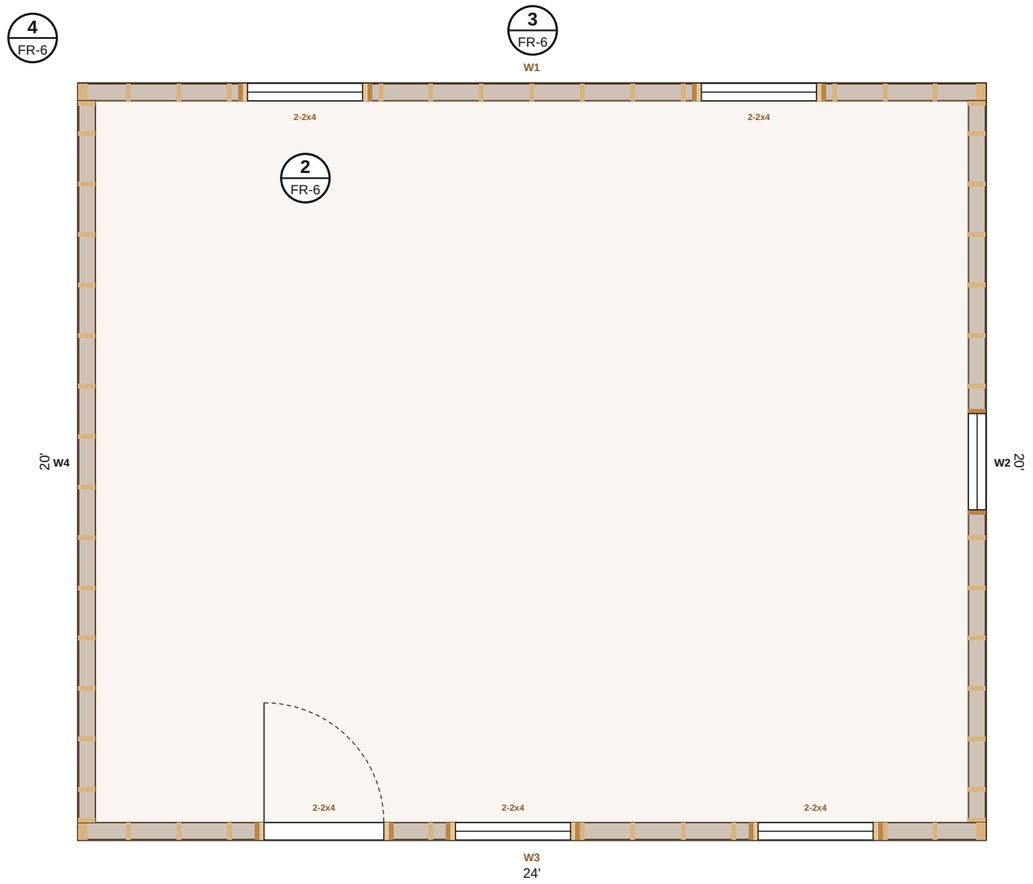
SCALE
1/4" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
FLOOR FRAMING PLAN

FR-1



2 WALL FRAMING PLAN

SCALE: 1/4" = 1'-0"

- Exterior walls (W tags; bearing tags in brown)
- Common walls
- Interior walls
- Header size at each opening

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

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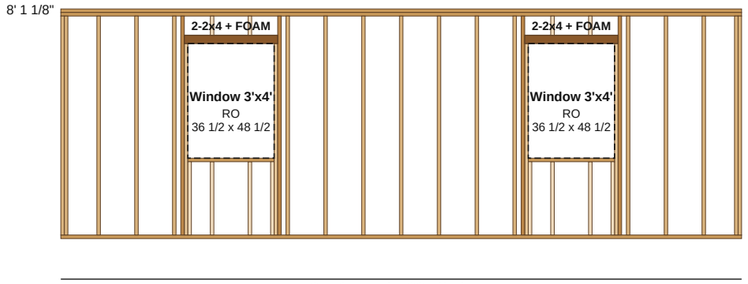
SCALE
1/4" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
WALL FRAMING PLAN

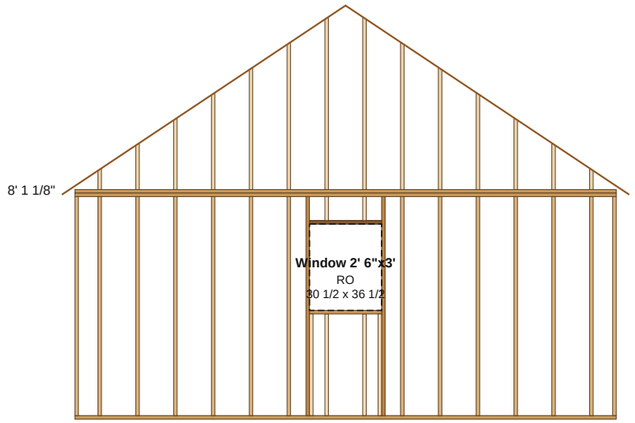
FR-2



24', 37 studs, 92 5/8" long

W1 North wall (from outside)

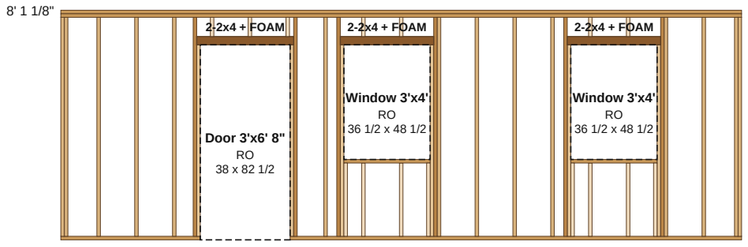
37 studs 92 5/8", 2 openings, headers 2-2x4, 2-2x4



20', 36 studs, 92 5/8" long

W2 East wall (from outside)

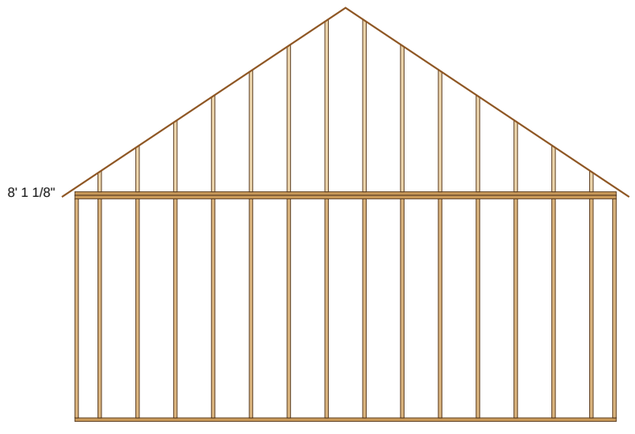
36 studs 92 5/8", 1 opening



24', 41 studs, 92 5/8" long

W3 South wall (from outside)

41 studs 92 5/8", 3 openings, headers 2-2x4, 2-2x4, 2-2x4



20', 30 studs, 92 5/8" long

W4 West wall (from outside)

30 studs 92 5/8", 0 openings

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

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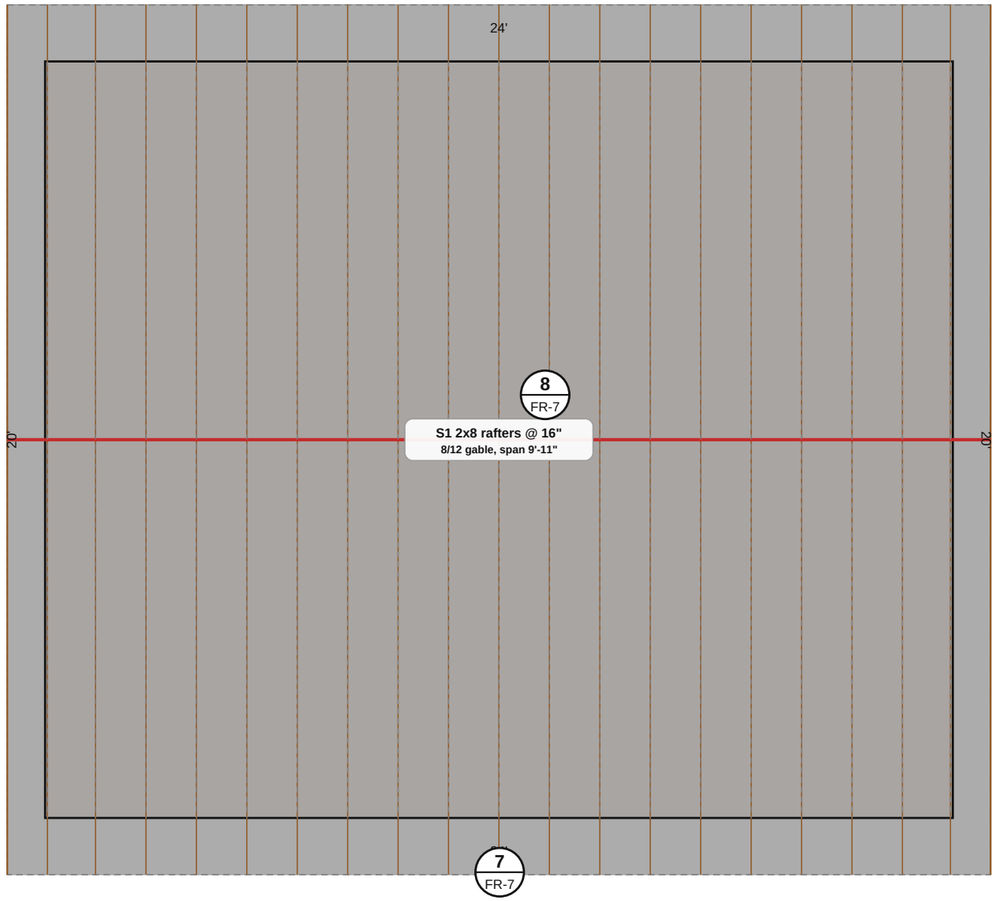
SCALE
3/16" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
WALL FRAMING ELEVATIONS

FR-3



4 ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

- Rafters at the spacing shown
- Ridge board
- Hips and valleys
- Trusses (gable ends heavier)
- Ceiling joists / rafter ties

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

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DATE
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SCALE
1/4" = 1'-0"

DRAWN BY

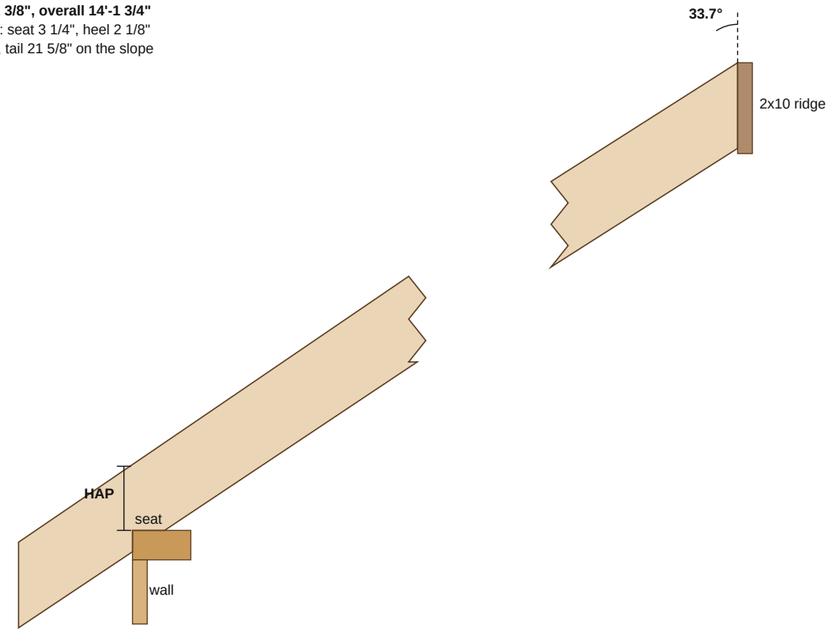
SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
ROOF FRAMING PLAN

FR-4

S1 Cabin: 2x8 rafters at 16 in., 8/12 (plumb cuts 33.7°), common rafter: schematic, not to scale

Plumb cuts 33.7° (8/12), ridge and tail
Line 11'-11 3/8", overall 14'-1 3/4"
Birdsmouth: seat 3 1/4", heel 2 1/8"
HAP 6 1/2", tail 21 5/8" on the slope



RAFTER	QTY	SIZE	LINE	OVERALL	TOP CUT	BOTTOM
common	38	2x8	11'-11 3/8"	14'-1 3/4"	plumb cut at the ridge (33.7°)	birdsmouth, plumb tail 21 5/8" long

Seat 3 1/4", heel 2 1/8", height above plate 6 1/2". Lengths along the top edge from the ridge. Verify the first rafter before cutting the rest.

PREPARED BY

PROJECT

Sample cabin 20x24
Client: Sample client

NOTICE

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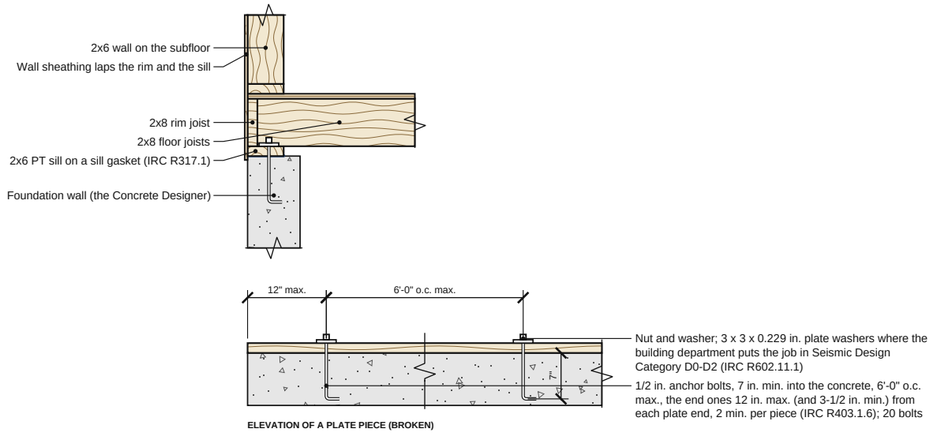
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

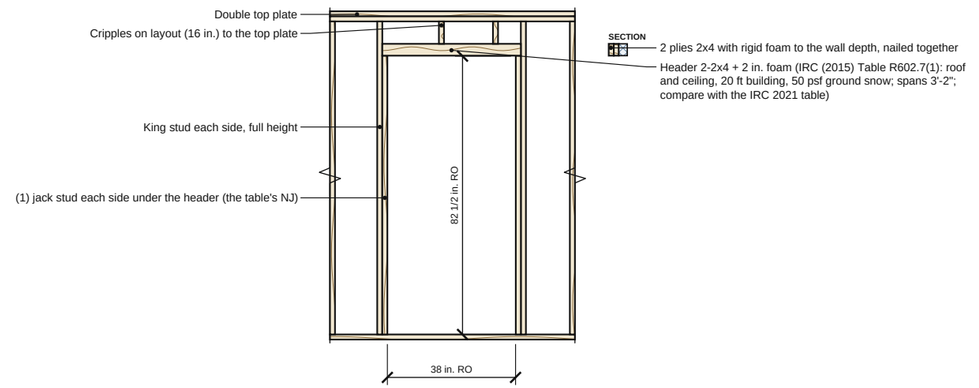
SHEET TITLE
RAFTER DETAILS & CUT SHEET

FR-5



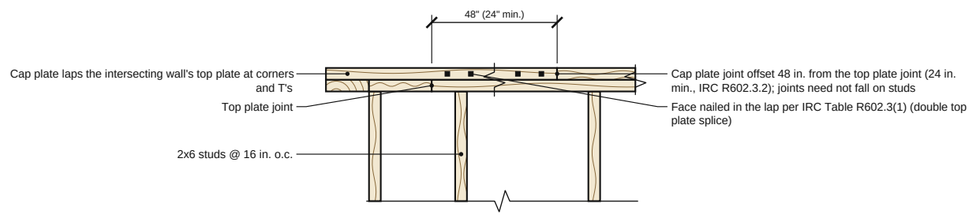
1 SILL ON THE FOUNDATION WALL — NTS

REF: IRC R403.1.6; R602.11.1; R317.1



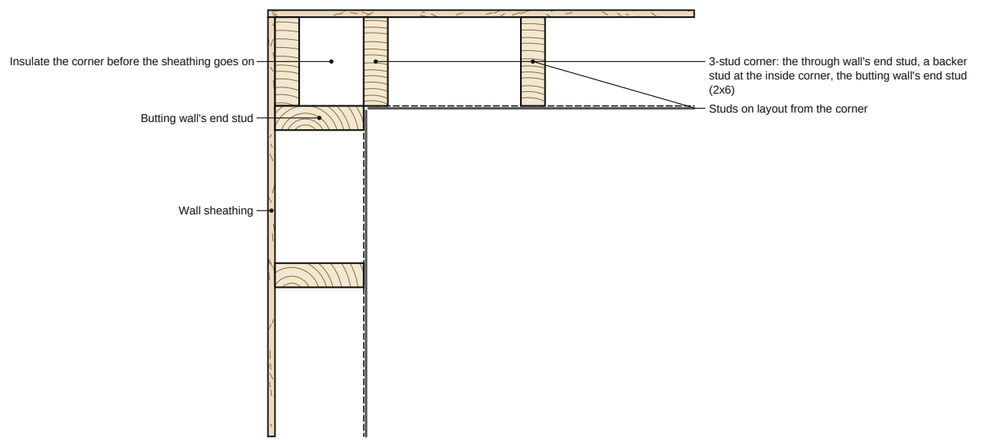
2 HEADER 2-2X4 + 2 IN. FOAM — NTS

REF: IRC (2015) Table R602.7(1); R602.7



3 DOUBLE TOP PLATE SPLICE AND LAP — NTS

REF: IRC R602.3.2; Table R602.3(1)



4 3-STUD CORNER — NTS

REF: IRC R602.3

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

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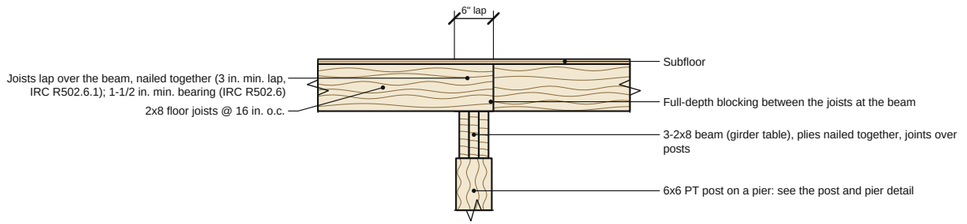
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
FASTENING & ANCHORING DETAILS

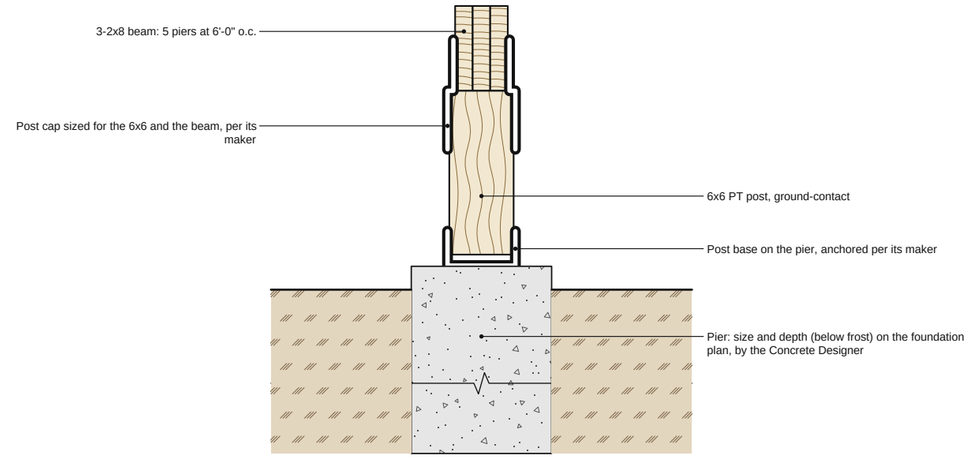
FR-6



5 FLOOR JOISTS AT THE BEAM

NTS

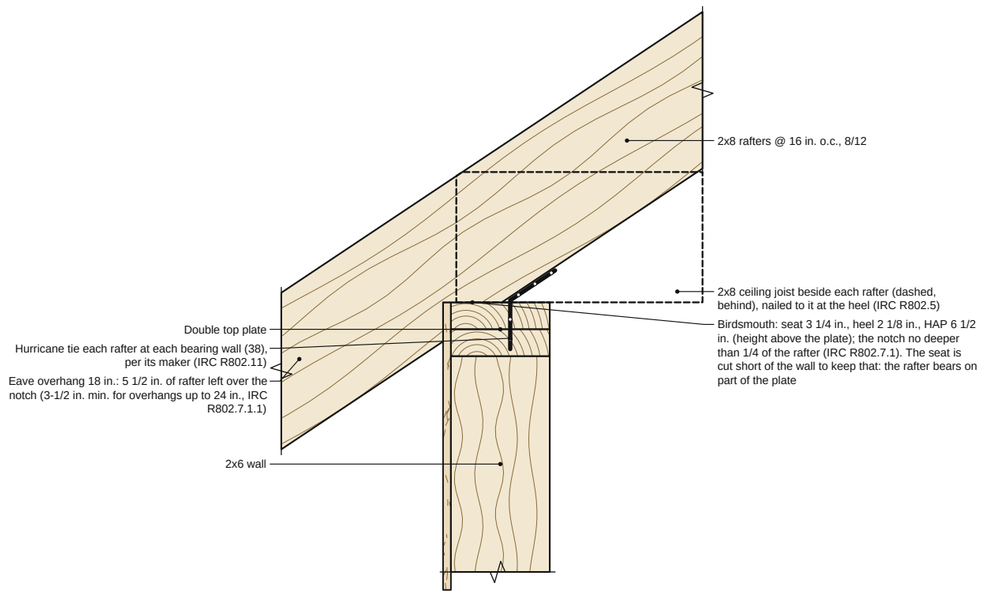
REF: IRC R502.6; R502.7



6 BEAM ON POST AND PIER

NTS

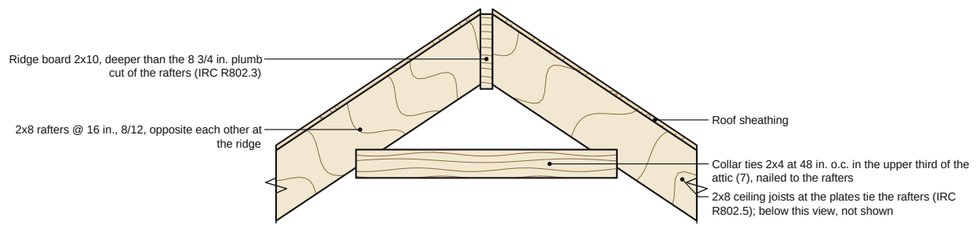
REF: IRC R407.3; the connector maker



7 RAFTER AT THE WALL PLATE

NTS

REF: IRC R802.6; R802.7.1; R802.7.1.1; R802.11



8 RIDGE BOARD AND TIES

NTS

REF: IRC R802.3; R802.5

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

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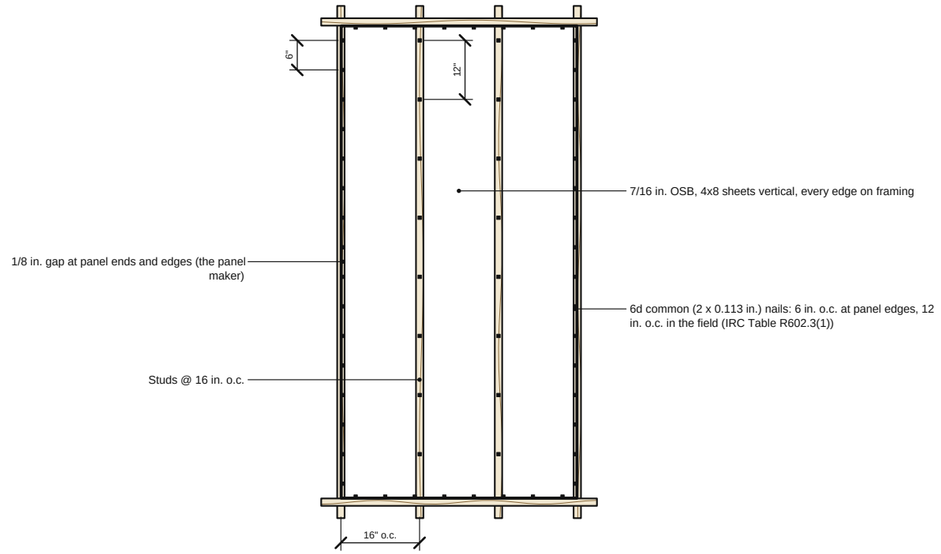
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

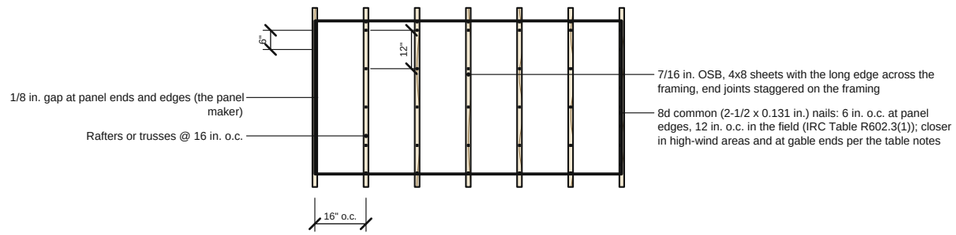
SHEET TITLE
FASTENING & ANCHORING DETAILS

FR-7



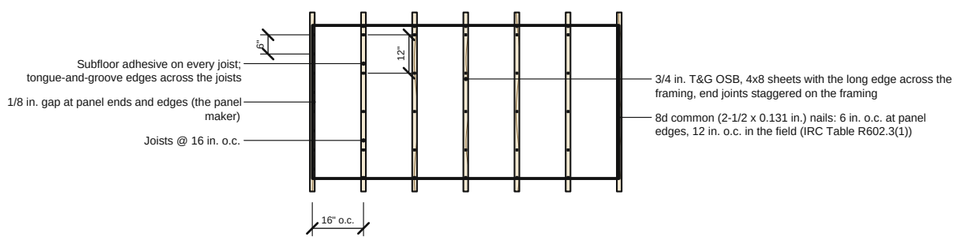
9 **WALL SHEATHING NAILING** NTS

REF: IRC Table R602.3(1); the panel maker



10 **ROOF SHEATHING NAILING** NTS

REF: IRC Table R602.3(1); R803; the panel maker



11 **SUBFLOOR SHEATHING NAILING** NTS

REF: IRC Table R602.3(1); R503; the panel maker

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

PROJECT

Sample cabin 20x24

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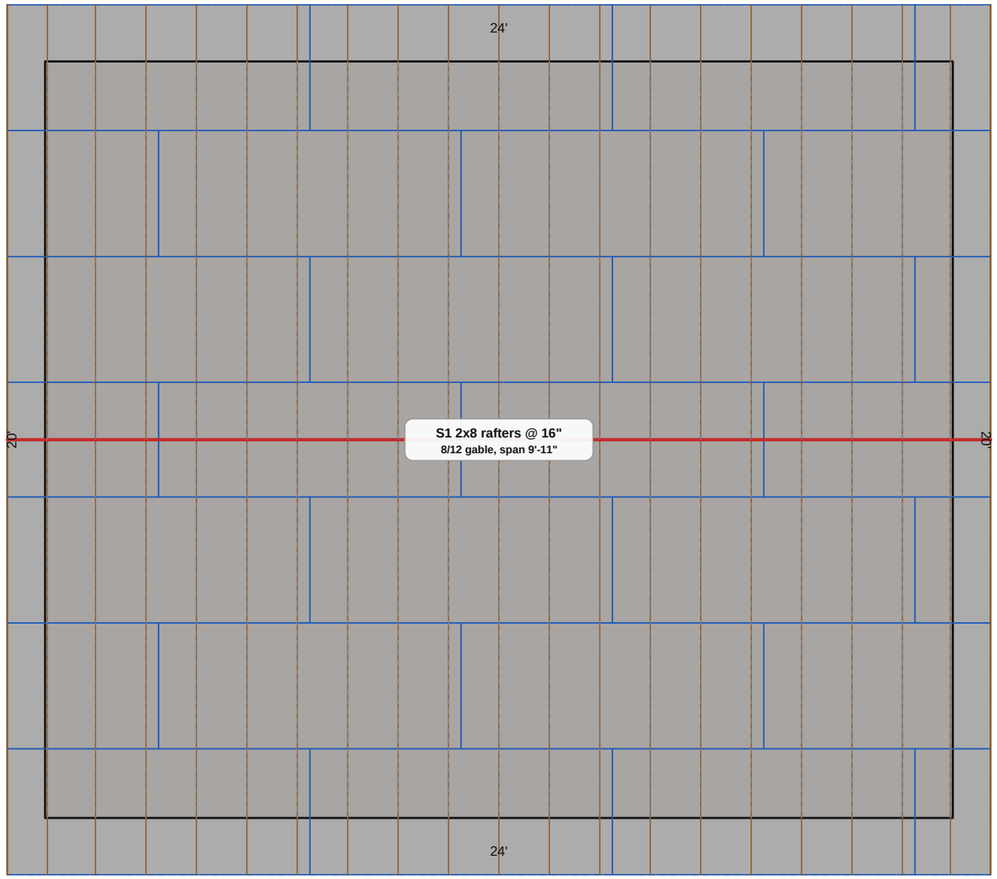
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
FASTENING & ANCHORING DETAILS

FR-8



9 **ROOF SHEATHING LAYOUT**

SCALE: 1/4" = 1'-0"

Sheet outlines (4x8), nested; offcuts used again

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

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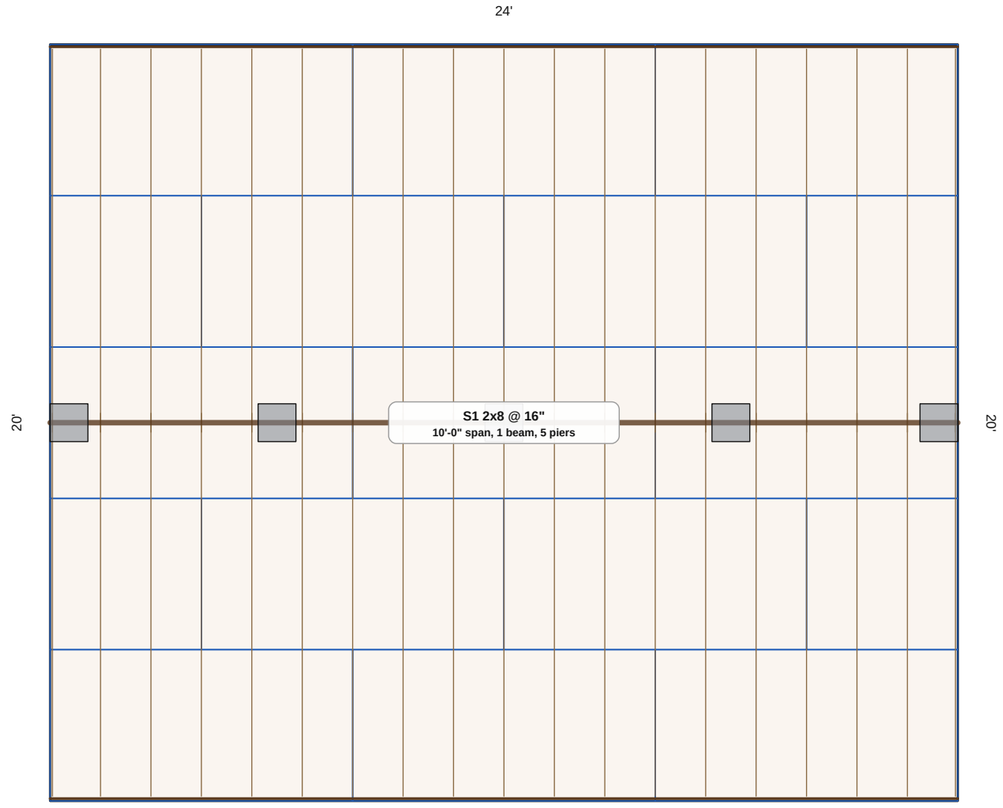
SCALE
1/4" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
ROOF SHEATHING LAYOUT

FR-9



10 **SUBFLOOR SHEATHING LAYOUT**

SCALE: 1/4" = 1'-0"

Sheet outlines (4x8), nested; offcuts used again

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

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SCALE
1/4" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
SUBFLOOR SHEATHING LAYOUT

FR-10

SCHEDULES & BUY LIST

TAG	NAME	USE	SIZE	WALLS	ROOF AND FLOOR
BUILDINGS					
S1	Cabin	Living space	24' x 20'	8' 1 1/8" walls, 2x6 at 16 in.	Gable 8/12, rafters; joists on a foundation wall

WALLS

WALL	NAME	STUDS	LENGTH	PLATE	LOAD	STUD COUNT
W1	North wall	2x6 at 16 in.	24'	8' 1 1/8"	Bearing	37 (15 on layout, 4 kings, 4 jacks, 12 cripples, 2 corner)
W2	East wall	2x6 at 16 in.	20'	8' 1 1/8" + gable	Non-bearing	36 (14 on layout, 2 kings, 0 jacks, 6 cripples, 14 gable)
W3	South wall	2x6 at 16 in.	24'	8' 1 1/8"	Bearing	41 (12 on layout, 6 kings, 6 jacks, 15 cripples, 2 corner)
W4	West wall	2x6 at 16 in.	20'	8' 1 1/8" + gable	Non-bearing	30 (16 on layout, 0 kings, 0 jacks, 0 cripples, 14 gable)

HEADERS

MARK	OPENING	RO	SILL	HEADER	TABLE	NJ/NK	LENGTH	CASE
W1.1	Window 3' x 4'	36 1/2" x 48 1/2"	34"	2-2x4 + 2 in. foam	3'-2"	1 / 1	39 1/2"	Roof & ceiling, 20' wide
W1.2	Window 3' x 4'	36 1/2" x 48 1/2"	34"	2-2x4 + 2 in. foam	3'-2"	1 / 1	39 1/2"	Roof & ceiling, 20' wide
W2.1	Window 2' 6" x 3'	30 1/2" x 36 1/2"	46"	Flat 2x6 (non-bearing)	-	0 / 1	30 1/2"	Non-bearing
W3.1	Door 3' x 6' 8"	38" x 82 1/2"	-	2-2x4 + 2 in. foam	3'-2"	1 / 1	41"	Roof & ceiling, 20' wide
W3.2	Window 3' x 4'	36 1/2" x 48 1/2"	34"	2-2x4 + 2 in. foam	3'-2"	1 / 1	39 1/2"	Roof & ceiling, 20' wide
W3.3	Window 3' x 4'	36 1/2" x 48 1/2"	34"	2-2x4 + 2 in. foam	3'-2"	1 / 1	39 1/2"	Roof & ceiling, 20' wide

FLOOR FRAMING

TAG	FLOOR	JOISTS	SPAN OF TABLE	BEAMS AND PIERS
S1	Joists on a foundation wall	2x8 at 16 in.	10'-0" of 12'-9"	1 x 3-2x8, 5 piers at 6'

ROOF FRAMING

TAG	ROOF	MEMBERS	SPAN	CEILING
S1	Gable 8/12	38 2x8 rafters at 16 in.	9'-11" of 12'-6"	2x8 ceiling joists at 16 in. (20'-0")

BUY LIST

ITEM	QTY	NOTE	COST
2x4 x 14 ft	1 each		$12
2x4 x 20 ft	8 each		$136
2x6 x 8 ft	1 each		$10
2x6 x 20 ft	25 each		$650
2x8 x 12 ft	37 each		$821
2x8 x 16 ft	35 each		$1,036
2x8 x 18 ft	1 each		$33
2x8 x 20 ft	31 each		$1,147
2x10 x 8 ft	1 each		$20
2x10 x 20 ft	1 each		$50
PT 2x6 x 8 ft	1 each		$15
PT 2x6 x 20 ft	4 each		$151
2x6 precut stud 92 5/8"	73 each	for 8' 1 1/8" walls	$650
7/16 in. OSB 4x8	31 sheet	852.9 sf covered, 14% waste, 131 sf of offcuts left	$744
7/16 in. OSB 4x8	23 sheet	718.7 sf covered, 2% waste, 8 sf of offcuts left	$552
3/4 in. T&G OSB subfloor 4x8	15 sheet	480 sf covered, 0% waste	$690
Hurricane tie (H2.5A or equal)	38 each	each rafter or truss at each bearing wall	$34
Post base	5 each	one a pier or post	$70
Post cap	5 each		$80
Post 6x6 PT (8 ft)	2 each	5 posts (24 in. each, cut from 8 ft)	$96
Anchor bolt 1/2 in. + nut & washer	20 each	IRC R403.1.6: 6 ft o.c., 12 in. from plate ends	$48
Sill gasket (50 ft roll)	2 roll	88 LF of sill	$28
Subfloor adhesive (28 oz)	15 tube	about a tube a sheet	$135
2 in. rigid foam 4x8 (insulated headers)	1 sheet	4.8 sf of header	$18
Framing nails (allowance)	36 lb	an allowance: 10 lb a 1,000 BF	$79
MATERIAL TOTAL			$7,306

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

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SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
SCHEDULES & BUY LIST

FR-11

CUT LIST: EVERY MEMBER BY WHERE IT GOES

WHERE	MEMBER	SIZE	LENGTH	QTY	FROM	NOTE
W1	Bottom plate	2x6	20'-0"	1	stock (buy list)	
W1	Bottom plate	2x6	4'-0"	1	stock (buy list)	
W1	Top plate	2x6	20'-0"	1	stock (buy list)	
W1	Top plate	2x6	4'-0"	1	stock (buy list)	
W1	Cap plate	2x6	16'-0"	1	stock (buy list)	
W1	Cap plate	2x6	8'-0"	1	stock (buy list)	
W1	Stud	2x6	7'-8 5/8"	15	precut stud	
W1	Corner stud	2x6	7'-8 5/8"	2	precut stud	
W1	Jack stud	2x6	6'-9"	4	stock (buy list)	
W1	King stud	2x6	7'-8 5/8"	4	precut stud	
W1	Header 2-2x4	2x4	3'-3 1/2"	4	stock (buy list)	
W1	Cripple (above)	2x6	0'-8 1/8"	4	stock (buy list)	
W1	Cripple (below)	2x6	2'-7"	8	stock (buy list)	
W1	Rough sill	2x6	3'-0 1/2"	2	stock (buy list)	
W2	Bottom plate	2x6	19'-1"	1	stock (buy list)	
W2	Top plate	2x6	19'-1"	1	stock (buy list)	
W2	Cap plate	2x6	19'-1"	1	stock (buy list)	
W2	Stud	2x6	7'-8 5/8"	14	precut stud	
W2	King stud	2x6	7'-8 5/8"	2	precut stud	
W2	Flat header	2x6	2'-6 1/2"	1	stock (buy list)	
W2	Cripple (above)	2x6	0'-10 1/8"	2	stock (buy list)	
W2	Cripple (below)	2x6	3'-7"	4	stock (buy list)	
W2	Rough sill	2x6	2'-6 1/2"	1	stock (buy list)	
W2	Gable stud	2x6	0'-8 1/2"	2	stock (buy list)	top cut 33.7°
W2	Gable stud	2x6	1'-7 1/8"	2	stock (buy list)	top cut 33.7°
W2	Gable stud	2x6	2'-5 7/8"	2	stock (buy list)	top cut 33.7°
W2	Gable stud	2x6	3'-4 1/2"	2	stock (buy list)	top cut 33.7°
W2	Gable stud	2x6	4'-3 1/8"	2	stock (buy list)	top cut 33.7°
W2	Gable stud	2x6	5'-1 7/8"	2	stock (buy list)	top cut 33.7°
W2	Gable stud	2x6	6'-0 1/2"	2	stock (buy list)	top cut 33.7°
W3	Bottom plate	2x6	4'-11"	1	stock (buy list)	
W3	Bottom plate	2x6	15'-11"	1	stock (buy list)	
W3	Bottom plate	2x6	15'-11"	1	stock (buy list)	
W3	Top plate	2x6	20'-0"	1	stock (buy list)	
W3	Top plate	2x6	4'-0"	1	stock (buy list)	
W3	Cap plate	2x6	16'-0"	1	stock (buy list)	
W3	Cap plate	2x6	8'-0"	1	stock (buy list)	
W3	Stud	2x6	7'-8 5/8"	12	precut stud	
W3	Corner stud	2x6	7'-8 5/8"	2	precut stud	
W3	Jack stud	2x6	6'-9"	6	stock (buy list)	
W3	King stud	2x6	7'-8 5/8"	6	precut stud	
W3	Header 2-2x4	2x4	3'-5"	2	stock (buy list)	
W3	Header 2-2x4	2x4	3'-3 1/2"	4	stock (buy list)	
W3	Cripple (above)	2x6	0'-8 1/8"	7	stock (buy list)	
W3	Cripple (below)	2x6	2'-7"	8	stock (buy list)	
W3	Rough sill	2x6	3'-0 1/2"	2	stock (buy list)	
W4	Bottom plate	2x6	19'-1"	1	stock (buy list)	
W4	Top plate	2x6	19'-1"	1	stock (buy list)	
W4	Cap plate	2x6	19'-1"	1	stock (buy list)	
W4	Stud	2x6	7'-8 5/8"	16	precut stud	
W4	Gable stud	2x6	0'-8 1/2"	2	stock (buy list)	top cut 33.7°
W4	Gable stud	2x6	1'-7 1/8"	2	stock (buy list)	top cut 33.7°
W4	Gable stud	2x6	2'-5 7/8"	2	stock (buy list)	top cut 33.7°
W4	Gable stud	2x6	3'-4 1/2"	2	stock (buy list)	top cut 33.7°
W4	Gable stud	2x6	4'-3 1/8"	2	stock (buy list)	top cut 33.7°
W4	Gable stud	2x6	5'-1 7/8"	2	stock (buy list)	top cut 33.7°
W4	Gable stud	2x6	6'-0 1/2"	2	stock (buy list)	top cut 33.7°
S1 floor	Floor joist	2x8	10'-1 1/2"	38	stock (buy list)	
S1 floor	Rim joist	2x8	20'-0"	2	stock (buy list)	
S1 floor	Rim joist	2x8	4'-0"	2	stock (buy list)	
S1 floor	Blocking at the beam	2x8	1'-1 3/4"	2	stock (buy list)	
S1 floor	Blocking at the beam	2x8	1'-2 1/2"	16	stock (buy list)	
S1 floor	Beam 3-2x8	2x8	20'-0"	2	stock (buy list)	
S1 floor	Beam 3-2x8	2x8	4'-0"	2	stock (buy list)	
S1 floor	Beam 3-2x8	2x8	16'-0"	1	stock (buy list)	
S1 floor	Beam 3-2x8	2x8	8'-0"	1	stock (buy list)	

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

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REVISIONS

REV	DATE	DESCRIPTION
0	10/26/2026	Issued for review

DATE
10/26/2026

SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
CUT LIST

FR-12

CUT LIST: EVERY MEMBER BY WHERE IT GOES

WHERE	MEMBER	SIZE	LENGTH	QTY	FROM	NOTE
S1 floor	Sill plate	PT 2x6	20'-0"	4	stock (buy list)	
S1 floor	Sill plate	PT 2x6	4'-0"	2	stock (buy list)	
S1 roof	Rafter	2x8	14'-1 3/4"	38	stock (buy list)	
S1 roof	Barge rafter	2x8	14'-5 1/8"	4	stock (buy list)	
S1 roof	Lookout (rake ladder)	2x4	3'-0"	28	stock (buy list)	
S1 roof	Ridge board	2x10	20'-0"	1	stock (buy list)	
S1 roof	Ridge board	2x10	6'-0"	1	stock (buy list)	
S1 roof	Ceiling joist	2x8	20'-0"	19	stock (buy list)	
S1 roof	Collar tie (upper third)	2x4	6'-8"	7	stock (buy list)	

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

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SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
CUT LIST

FR-13

STOCK CUT PLAN: WHAT COMES OUT OF EACH STICK

SIZE	STOCK	CUTS	LEFT
2x4	20 ft	6'-8" collar tie (upper third) (S1 roof) + 6'-8" collar tie (upper third) (S1 roof) + 6'-8" collar tie (upper third) (S1 roof)	0'-0"
2x4	20 ft	6'-8" collar tie (upper third) (S1 roof) + 6'-8" collar tie (upper third) (S1 roof) + 6'-8" collar tie (upper third) (S1 roof)	0'-0"
2x4	20 ft	6'-8" collar tie (upper third) (S1 roof) + 3'-5" header 2-2x4 (W3) + 3'-5" header 2-2x4 (W3) + 3'-3 1/2" header 2-2x4 (W1) + 3'-0" lookout (rake ladder) (S1 roof)	0'-1 7/8"
2x4	20 ft	3'-3 1/2" header 2-2x4 (W1) + 3'-3 1/2" header 2-2x4 (W1) + 3'-3 1/2" header 2-2x4 (W1) + 3'-3 1/2" header 2-2x4 (W3) + 3'-3 1/2" header 2-2x4 (W3) + 3'-3 1/2" header 2-2x4 (W3)	0'-2 1/4"
2x4	20 ft	3'-3 1/2" header 2-2x4 (W3) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof)	1'-7 3/4"
2x4	20 ft	3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof)	1'-11 1/4"
2x4	20 ft	3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof)	1'-11 1/4"
2x4	20 ft	3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof)	1'-11 1/4"
2x4	14 ft	3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof) + 3'-0" lookout (rake ladder) (S1 roof)	1'-11 1/2"
2x6	20 ft	20'-0" bottom plate (W1)	0'-0"
2x6	20 ft	20'-0" top plate (W1)	0'-0"
2x6	20 ft	20'-0" top plate (W3)	0'-0"
2x6	20 ft	19'-1" bottom plate (W2) + 0'-10 1/8" cripple (above) (W2)	0'-0 5/8"
2x6	20 ft	19'-1" top plate (W2) + 0'-10 1/8" cripple (above) (W2)	0'-0 5/8"
2x6	20 ft	19'-1" cap plate (W2) + 0'-8 1/2" gable stud (W2)	0'-2 1/4"
2x6	20 ft	19'-1" bottom plate (W4) + 0'-8 1/2" gable stud (W4)	0'-2 1/4"
2x6	20 ft	19'-1" top plate (W4) + 0'-8 1/2" gable stud (W2)	0'-2 1/4"
2x6	20 ft	19'-1" cap plate (W4) + 0'-8 1/2" gable stud (W4)	0'-2 1/4"
2x6	20 ft	16'-0" cap plate (W1) + 4'-0" top plate (W1)	0'-0"
2x6	20 ft	16'-0" cap plate (W3) + 4'-0" top plate (W3)	0'-0"
2x6	20 ft	15'-11" bottom plate (W3) + 3'-7" cripple (below) (W2)	0'-5 3/4"
2x6	20 ft	8'-0" cap plate (W1) + 8'-0" cap plate (W3) + 4'-0" bottom plate (W1)	0'-0"
2x6	20 ft	6'-9" jack stud (W1) + 6'-9" jack stud (W1) + 6'-0 1/2" gable stud (W2)	0'-5 1/8"
2x6	20 ft	6'-9" jack stud (W1) + 6'-9" jack stud (W1) + 6'-0 1/2" gable stud (W4)	0'-5 1/8"
2x6	20 ft	6'-9" jack stud (W3) + 6'-9" jack stud (W3) + 6'-0 1/2" gable stud (W2)	0'-5 1/8"
2x6	20 ft	6'-9" jack stud (W3) + 6'-9" jack stud (W3) + 6'-0 1/2" gable stud (W4)	0'-5 1/8"
2x6	20 ft	6'-9" jack stud (W3) + 6'-9" jack stud (W3) + 5'-1 7/8" gable stud (W2) + 0'-8 1/8" cripple (above) (W1)	0'-7 1/2"
2x6	20 ft	5'-1 7/8" gable stud (W2) + 5'-1 7/8" gable stud (W4) + 5'-1 7/8" gable stud (W4) + 4'-3 1/8" gable stud (W2)	0'-2 7/8"
2x6	20 ft	4'-11" bottom plate (W3) + 4'-3 1/8" gable stud (W4) + 4'-3 1/8" gable stud (W2) + 4'-3 1/8" gable stud (W4) + 1'-7 1/8" gable stud (W4)	0'-7 3/4"
2x6	20 ft	3'-7" cripple (below) (W2) + 3'-7" cripple (below) (W2) + 3'-7" cripple (below) (W2) + 3'-4 1/2" gable stud (W2) + 3'-4 1/2" gable stud (W4) + 0'-8 1/8" cripple (above) (W1) + 0'-8 1/8" cripple (above) (W1) + 0'-8 1/8" cripple (above) (W3)	0'-4 5/8"
2x6	20 ft	3'-4 1/2" gable stud (W2) + 3'-4 1/2" gable stud (W4) + 3'-0 1/2" rough sill (W1) + 3'-0 1/2" rough sill (W1) + 3'-0 1/2" rough sill (W3) + 3'-0 1/2" rough sill (W3) + 0'-8 1/8" cripple (above) (W1)	0'-4"
2x6	20 ft	3'-4 1/2" gable stud (W2) + 3'-4 1/2" gable stud (W4) + 3'-0 1/2" rough sill (W1) + 3'-0 1/2" rough sill (W1) + 3'-0 1/2" rough sill (W3) + 3'-0 1/2" rough sill (W3) + 0'-8 1/8" cripple (above) (W1)	0'-4"
2x6	20 ft	2'-7" cripple (below) (W1) + 2'-7" cripple (below) (W1) + 2'-7" cripple (below) (W1) + 2'-7" cripple (below) (W1) + 2'-7" cripple (below) (W1) + 2'-7" cripple (below) (W1) + 2'-7" cripple (below) (W1) + 2'-7" cripple (below) (W1) + 1'-7 1/8" gable stud (W2)	0'-2 7/8"
2x6	20 ft	2'-7" cripple (below) (W1) + 2'-7" cripple (below) (W3) + 2'-7" cripple (below) (W3) + 2'-7" cripple (below) (W3) + 2'-7" cripple (below) (W3) + 2'-7" cripple (below) (W3) + 2'-7" cripple (below) (W3) + 1'-7 1/8" gable stud (W4)	0'-2 7/8"
2x6	20 ft	2'-7" cripple (below) (W3) + 2'-7" cripple (below) (W3) + 2'-6 1/2" flat header (W2) + 2'-6 1/2" rough sill (W2) + 2'-5 7/8" gable stud (W2) + 2'-5 7/8" gable stud (W2) + 2'-5 7/8" gable stud (W4) + 1'-7 1/8" gable stud (W2)	0'-7 3/8"
2x6	8 ft	2'-5 7/8" gable stud (W4) + 0'-8 1/8" cripple (above) (W3) + 0'-8 1/8" cripple (above) (W3) + 0'-8 1/8" cripple (above) (W3) + 0'-8 1/8" cripple (above) (W3) + 0'-8 1/8" cripple (above) (W3) + 0'-8 1/8" cripple (above) (W3)	1'-4 1/2"
2x8	20 ft	20'-0" rim joist (S1 floor)	0'-0"
2x8	20 ft	20'-0" rim joist (S1 floor)	0'-0"
2x8	20 ft	20'-0" beam 3-2x8 (S1 floor)	0'-0"
2x8	20 ft	20'-0" beam 3-2x8 (S1 floor)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	20'-0" ceiling joist (S1 roof)	0'-0"
2x8	20 ft	16'-0" beam 3-2x8 (S1 floor) + 4'-0" rim joist (S1 floor)	0'-0"
2x8	20 ft	14'-5 1/8" barge rafter (S1 roof) + 4'-0" rim joist (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor)	0'-4"
2x8	20 ft	14'-5 1/8" barge rafter (S1 roof) + 4'-0" beam 3-2x8 (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor)	0'-4"
2x8	20 ft	14'-5 1/8" barge rafter (S1 roof) + 4'-0" beam 3-2x8 (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor)	0'-4"
2x8	20 ft	14'-5 1/8" barge rafter (S1 roof) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor)	0'-8 1/4"
2x8	20 ft	14'-1 3/4" rafter (S1 roof) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor)	0'-11 5/8"
2x8	20 ft	14'-1 3/4" rafter (S1 roof) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor) + 1'-2 1/2" blocking at the beam (S1 floor)	0'-11 5/8"

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

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REVISIONS

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SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
STOCK CUT PLAN

FR-14

STOCK CUT PLAN: WHAT COMES OUT OF EACH STICK

SIZE	STOCK	CUTS	LEFT
2x8	18 ft	14'-1 3/4" rafter (S1 roof) + 1'-1 3/4" blocking at the beam (S1 floor) + 1'-1 3/4" blocking at the beam (S1 floor)	1'-6 3/8"
2x8	16 ft	14'-1 3/4" rafter (S1 roof)	1'-10 1

STOCK CUT PLAN: WHAT COMES OUT OF EACH STICK

SIZE	STOCK	CUTS	LEFT
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x8	12 ft	10'-1 1/2" floor joist (S1 floor)	1'-10 3/8"
2x10	20 ft	20'-0" ridge board (S1 roof)	0'-0"
2x10	8 ft	6'-0" ridge board (S1 roof)	1'-11 7/8"
PT 2x6	20 ft	20'-0" sill plate (S1 floor)	0'-0"
PT 2x6	20 ft	20'-0" sill plate (S1 floor)	0'-0"
PT 2x6	20 ft	20'-0" sill plate (S1 floor)	0'-0"
PT 2x6	20 ft	20'-0" sill plate (S1 floor)	0'-0"
PT 2x6	8 ft	4'-0" sill plate (S1 floor) + 4'-0" sill plate (S1 floor)	0'-0"

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

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DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
STOCK CUT PLAN

FR-16

GENERAL NOTES

1. Verify all dimensions in the field before cutting. Quantities on the buy list and cut list are from the layouts shown.
2. Code tables: spans, headers and R-values are from the tables picked in the design (sheet notes list them). They are defaults to verify with the building department; spans past the tables, point loads and tall walls are by an engineer.
3. Studs on layout from the building corners so sheathing edges land on studs; double top plates lapped at corners and T's, joints offset 24 in. min. (IRC R602.3.2); single top plates only with framing stacked within 1 in.
4. Headers sized from the header table for the opening, the building width and the ground snow load; jack studs as the table asks (IRC R602.7). Non-bearing walls: flat headers.
5. Fire blocking at ceiling and floor levels and every 10 ft up (IRC R602.8). Anchor bolts 1/2 in. at 6 ft o.c. within 12 in. of plate ends, two per plate piece (IRC R403.1.6).
6. Rafters: plumb cuts as detailed, birdsmouth seats no deeper than a quarter of the rafter; ridge board deeper than the rafter cut (IRC R802.3); ceiling joists or rafter ties as shown (IRC R802.4.6, R802.5); a tie (or clip) at every rafter or truss at each bearing wall.
7. Trusses: per the truss maker's drawings, including their bracing and bearing details (BCSI, IRC R802.10). Truss drawings attached.
8. Sheathing: wall sheets vertical, roof and floor sheets with the long edge across the framing and end joints staggered; nail per IRC R602.3(1) and the panel maker; panel clips on roof sheathing at 24 in. framing where the panel calls for them.
9. Code tables used: IRC 2021; Douglas fir-larch #2; ground snow 50 psf (50 psf tables); floor joists IRC R502.3.1(2) / IRC R502.3.1(1); rafters IRC R802.4.1; ceiling joists IRC R802.5.1; headers IRC R502.5(1) / R602.7(1) (2015) (building widths 20 / 28 / 36 ft); studs IRC R602.3(5); R-values IRC 2021 N1102.1.2, zone 7.
10. S1 Cabin: 24' x 20', 8' 1 1/8" walls, 2x6 studs at 16 in.; floor 2x8 joists at 16 in. spanning 10'-0" on 1 beams (3-2x8) and 5 piers; roof 2x8 rafters at 16 in. with 2x8 ceiling joists.

PREPARED BY

PROJECT

Sample cabin 20x24

Client: Sample client

NOTICE

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SCALE
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DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
NOTES

FR-17