



Skyline - 7213 Hamden Ave
Main floor system
I-joists spaced 16"oc
Placement presentation
Layout per details on page A4.1
Options for detail 1f

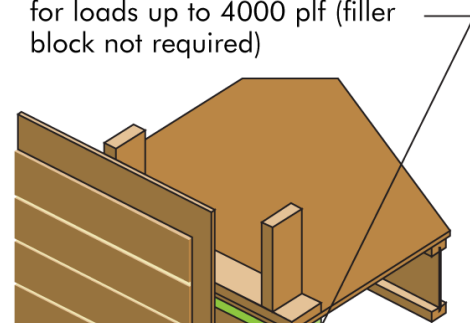
RFPI Joist Placement Presentation
Subject to review by engineer

Project designer



1f RIM JOIST AT PARALLEL WALL

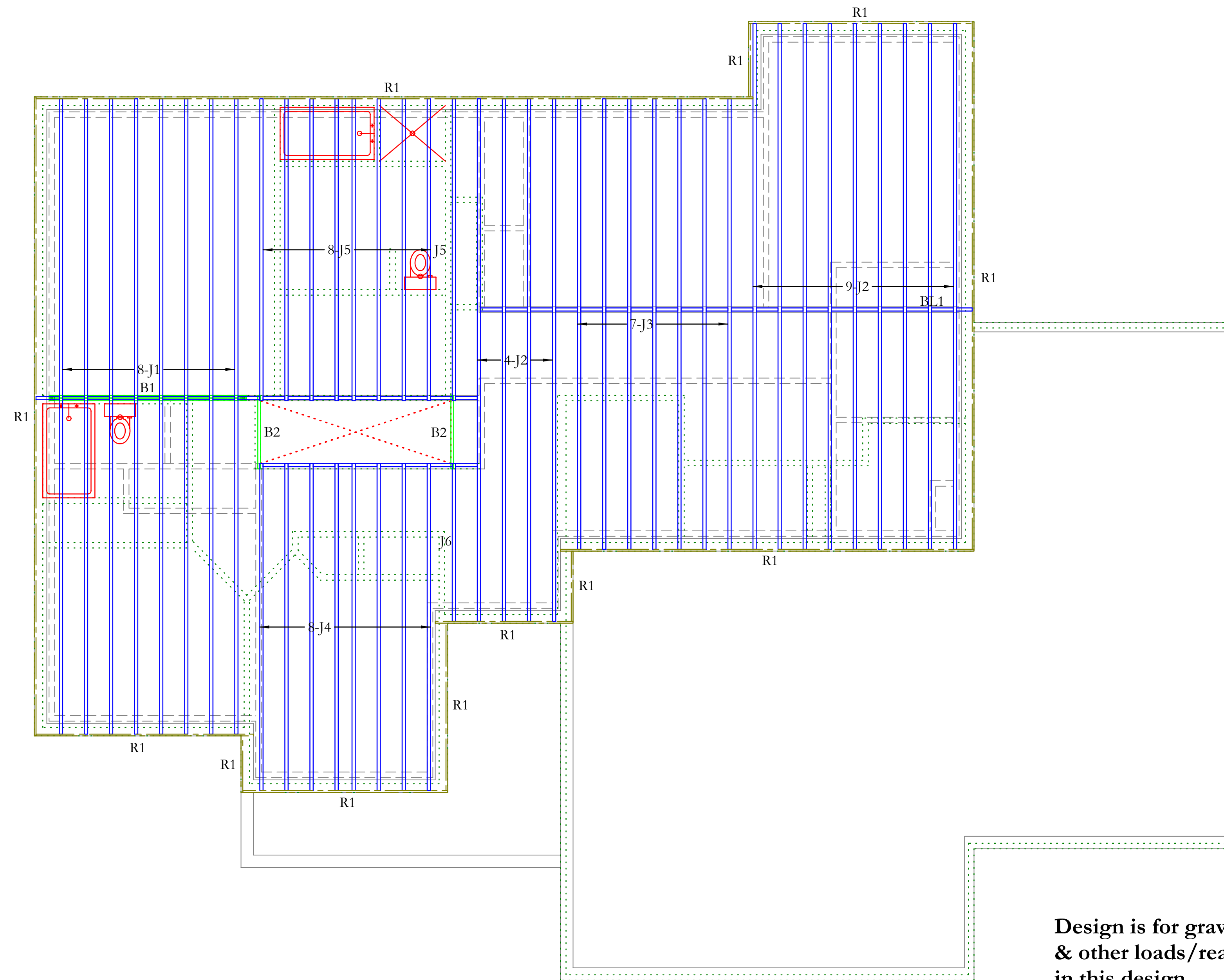
Use single I-joist for loads up to 2000 plf, double I-joists for loads up to 4000 plf (filler block not required)



Attach rim joist(s) to top plate with 8d nails @ 6" o.c. (when used for lateral shear transfer, nail to bearing plate with same nailing as required for decking)

Wall sheathing as required
Provide backer for siding attachment unless nailable sheathing is used.

RigidRim® Rimboard may be used in lieu of I-joists. Backer is not required when RigidRim® Rimboard is used.



Rimboard Thickness (in)	Horizontal Load (plf)	Vertical Load (plf) depth ± 16"	1/2" Lag Screw Load (lbs)	Post Load (lbs)
RigidRim® OSB 1-1/8"	180 (8d box or common)	4400	350	3500
RigidRim® Plus OSB 1-1/8" or 1-1/4"	200 (8d box or common)	4850	350	3500
1.4E RigidRim® LVL 1-3/4"	215 (8d box or common)	4500	400	3500
1.4E RigidRim® LVL 1-3/4"	215 (8d box or common)	5500	400	3500

(1) All design capacities assume embedded nailing of 8d nails @ 6" on-center. Additional nailing does not guarantee additional load capacity. Refer to APA document C250 for additional load transfer details.
(2) All design values, except Horizontal Load, are based on a 10-year load duration (100%) and should be adjusted for other load durations in accordance with the applicable code. Horizontal Load may not be adjusted for duration of load.
(3) The 18d box or common nails used to connect the bottom plate of a wall to the rimboard through the sheathing do not reduce the horizontal load capacity of the rimboard provided that the nail spacing (sheathing to rimboard) is 6" o.c. and the 16d nail spacing (bottom plate to sheathing to rimboard) is in accordance with the prescriptive requirements of the applicable code.
(4) Allowable load for lag screw installed perpendicular to wide face of rimboard.

40 PSF LIVE LOAD AND 10 PSF DEAD LOAD	Joist Depth	Joist Series	40/10 Simple Span			40/10 Multiple Span		
			12" o.c.	16" o.c.	18" o.c.	12" o.c.	16" o.c.	24" o.c.
11-7/8"	RFP10	20'-6"	18'-0"	17'-0"	16'-6"	22'-4"	20'-5"	19'-7"
		21'-0"	19'-0"	18'-0"	17'-9"	22'-4"	20'-5"	19'-7"
		21'-6"	19'-6"	18'-6"	17'-9"	22'-4"	20'-5"	19'-7"
		22'-0"	20'-0"	19'-0"	18'-0"	22'-4"	20'-5"	19'-7"
12-1/2"	RFP10	22'-0"	20'-0"	19'-0"	18'-0"	22'-0"	20'-0"	19'-0"
		22'-6"	20'-6"	19'-6"	18'-6"	22'-0"	20'-0"	19'-0"
		23'-0"	21'-0"	20'-0"	19'-0"	22'-0"	20'-0"	19'-0"
		24'-0"	22'-0"	21'-0"	20'-0"	22'-0"	20'-0"	19'-0"
15"	RFP10	24'-0"	22'-0"	21'-0"	20'-0"	24'-0"	22'-0"	21'-0"
		24'-6"	22'-6"	21'-6"	20'-6"	24'-0"	22'-0"	21'-0"
		25'-0"	23'-0"	22'-0"	21'-0"	24'-0"	22'-0"	21'-0"
		25'-6"	23'-6"	22'-6"	21'-6"	24'-0"	22'-0"	21'-0"

- Notes:**
- Clear span is the clear distance between the face of supports.
 - Spans are based on uniform loads as shown above. Use appropriate software (e.g. Simpson Strong-Tie® Component Solutions™) or engineering analysis for other loading.
 - Web stiffeners are not required for spans shown but may be required for hangers.
 - Maximum deflection is limited to L/480 for live load and L/240 for total load.
 - A minimum of 1-3/4" is required for end bearing, 3-1/2" for intermediate bearing.
 - Multiple span lengths shown require adequate bottom flange lateral bracing.
 - Spans are based on composite action with glued-nailed sheathing meeting the following APA requirements:

Span (ft)	Depth	4'-0" o.c.	5'-1/2" o.c.	6'-0" o.c.	8'-0" o.c.	9'-1/2" o.c.	11'-1/4" o.c.	13'-0" o.c.	14" o.c.	16" o.c.	18" o.c.	20" o.c.	22" o.c.	24" o.c.
6	LL	333	441	550	760	960	1200	1500	1800	2100	2400	2700	3000	3300
	WFS	19.7/3	19.7/3	19.7/3	24.6	29.5	34.4	39.3	44.2	49.1	54.0	58.9	63.8	68.7
8	LL	444	592	740	1000	1260	1520	1780	2040	2300	2560	2820	3080	3340
	WFS	19.7/3	19.7/3	19.7/3	24.6	29.5	34.4	39.3	44.2	49.1	54.0	58.9	63.8	68.7
10	LL	555	740	925	1240	1555	1870	2185	2500	2815	3130	3445	3760	4075
	WFS	19.7/3	19.7/3	19.7/3	24.6	29.5	34.4	39.3	44.2	49.1	54.0	58.9	63.8	68.7
12	LL	666	890	1115	1470	1825	2180	2535	2890	3245	3600	3955	4310	4665
	WFS	19.7/3	19.7/3	19.7/3	24.6	29.5	34.4	39.3	44.2	49.1	54.0	58.9	63.8	68.7
14	LL	777	1040	1305	1780	2255	2730	3205	3680	4155	4630	5105	5580	6055
	WFS	19.7/3	19.7/3	19.7/3	24.6	29.5	34.4	39.3	44.2	49.1	54.0	58.9	63.8	68.7
16	LL	888	1190	1495	2010	2535	3060	3585	4110	4635	5160	5685	6210	6735
	WFS	19.7/3	19.7/3	19.7/3	24.6	29.5	34.4	39.3	44.2	49.1	54.0	58.9	63.8	68.7

Web Stiffeners:
Web stiffeners shall be used for hardware connections where needed. See Simpson Strong-tie or USP Connector Manual for additional details. See Roseburg Forest Products Design Guide for additional information relating to Web Stiffeners.

Adjust joist placement to allow penetrations.
Included span presentation shows clear spans
Included Roseburg Installation Guide to be used for installation.

Design is for gravity floor loads. Roof & other loads/reactions are not considered in this design.

Default loads -- verify actual

DESIGN LOADS	
LIVE LOAD	40 # PSF
DEAD LOAD	10 # PSF
TOTAL LOAD	50 # PSF

- Notes:**
- Please see installation guide for installation details.
 - All interior walls shown on plan are bearing.
 - Interior non-bearing walls are omitted or dashed.
 - Any deviations from this design may possibly alter engineering specifications.

Roseburg Forest Products Disclaimer:
This drawing document was created using information provided by others. It is the responsibility of others to insure the accuracy, content, structural capability of the materials and to obtain the approvals necessary for the use of the products indicated. Roseburg assumes no liability for the preparation or accuracy of the drawing document.

Skyline - 7213 Hamden Ave	Thursday, March 11, 2021
Main floor system	Job # RFP 21-078
I-joists spaced 16"oc	Plan date: 2-1-21
Place joists to allow penetrations	Rockwell Homes
Verify prior to bid & construction	Ph: 280.542.9300

Mark	Material	Width	Depth	Quantity	Cut Length	Total Length
Blocking						
BL1	RFPI 400	2 1/16	11 7/8	1	54'	54'
						Subtotal
						54'
Joists						
J1	RFPI 400	2 1/16	11 7/8	8	34'	272'
J2	RFPI 400	2 1/16	11 7/8	13	28'	364'
J3	RFPI 400	2 1/16	11 7/8	7	24'	168'
J4	RFPI 400	2 1/16	11 7/8	8	18'	144'
J5	RFPI 400	2 1/16	11 7/8	9	17'	153'
J6	RFPI 400	2 1/16	11 7/8	1	9'	9'
						Subtotal
						1110'
LVLs						
B1	2-Ply 2.1E RigidLa	1 3/4	11 7/8	2	11'	22'
B2	2.1E RigidLam	1 3/4	11 7/8	2	4'	8'
						Subtotal
						30'
RIMS						
R1	Rimboard	1 1/8	11 7/8	1	190'	190'
						Subtotal
						190'
						1520 SF
Detail 1f Option						
If carrying load is more than 2000# plf but less than 4000# plf -- 2-ply i-joist required						
Add	RFPI 400	2 1/16	11 7/8	1	164'	164'
Subtract	Rimboard	1 1/8	11 7/8	1	82'	82'
If carrying load is 2000# plf or less -- 1-ply i-joist required						
Add	RFPI 400	2 1/16	11 7/8	1	82'	82'
Subtract	Rimboard	1 1/8	11 7/8	1	82'	82'
Project designer to select option by circling it prior to submitting for permit. Sign below						

Roseburg Forest Products
Engineered Wood Products
Code Report Index:

- ICC ESR-1251 I-Joists
- ICC ESR-1210 LVL & LVL Rim
- City of Los Angeles RR25439 I-joists
- City of Los Angeles RR25680 LVL
- California DSA PA 131 I-Joists
- California DSA PA 136 LVL
- California DSA AC 23-1 I-Joists
- PR-L259 (RFPI Joists)
- PR-L289 (RigidLam LVL)
- PR-L270 (RigidLam Studs)
- CCMC 13323-R (Canada) I-Joists
- CCMC 13310-R (Canada) LVL

This i-joint placement diagram is to supplement the architectural and structural drawings for this project, it is not intended to replace those documents. Refer to all plans and details when constructing this project.

Drafting service has created this i-joint placement diagram from architectural and structural drawings supplied by others. Verify design and product selection with architect or engineer of record. No liability for errors, omissions or engineering. We are not engineers and are not responsible for the design of this project.

<p>Skyline Idaho for Sunpro.build</p>	JOB: RFP 21-078 SCALE: 1/4" DRAWN: K&R Design DATE: 3-11-21
	SHEET: 1 OF 1
<p>10599 Old Highway 99 South, Dillard, Oregon 97432 Phone: 800-347-7260 Fax: 541-679-2612</p>	First Floor Framing
PRODUCT PLACEMENT DRAWING by K & R Design, LLC Structural and dimensional checks shall be made by the architect or engineer of record to assure accuracy of product selection and capability. The purchaser is to check and approve all dimensions, quantities, loads and details carefully. No liability is assumed by the drafting service.	NOTE: ALL MEASUREMENTS TO BE VERIFIED IN THE FIELD