



Dalton III - 7187 Branston Ave
Main floor system
I-joists spaced 16"oc
Span presentation
Design per A4.1 -- see 1f options
All joists 11.88 RFPI400 - 16"oc

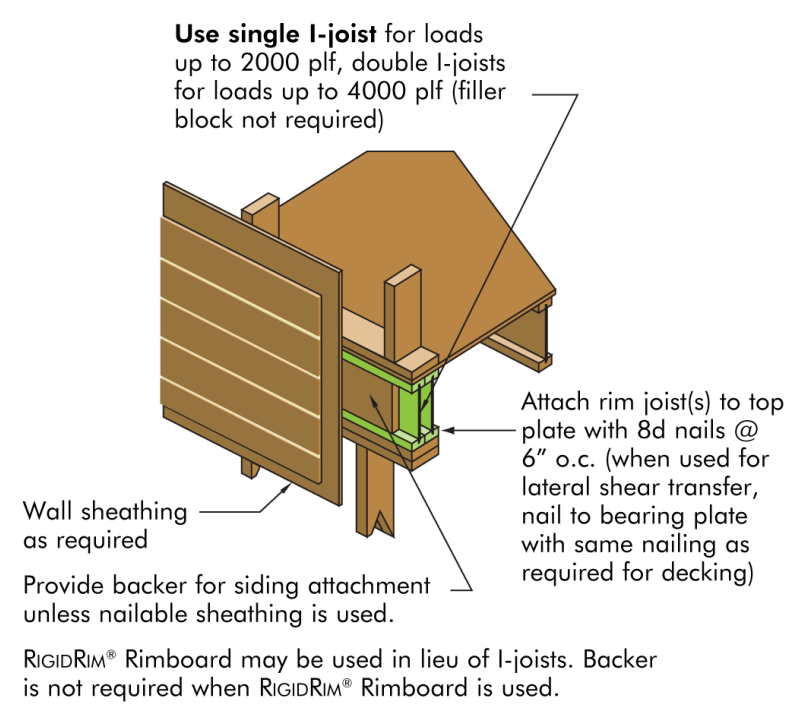
RFPI Joist Placement Presentation
Subject to review by engineer

Project designer



See 'Cantilever for verticle building offset' in Roseburg Installaton Guide for joist reinforcement -- both sides (method 2)

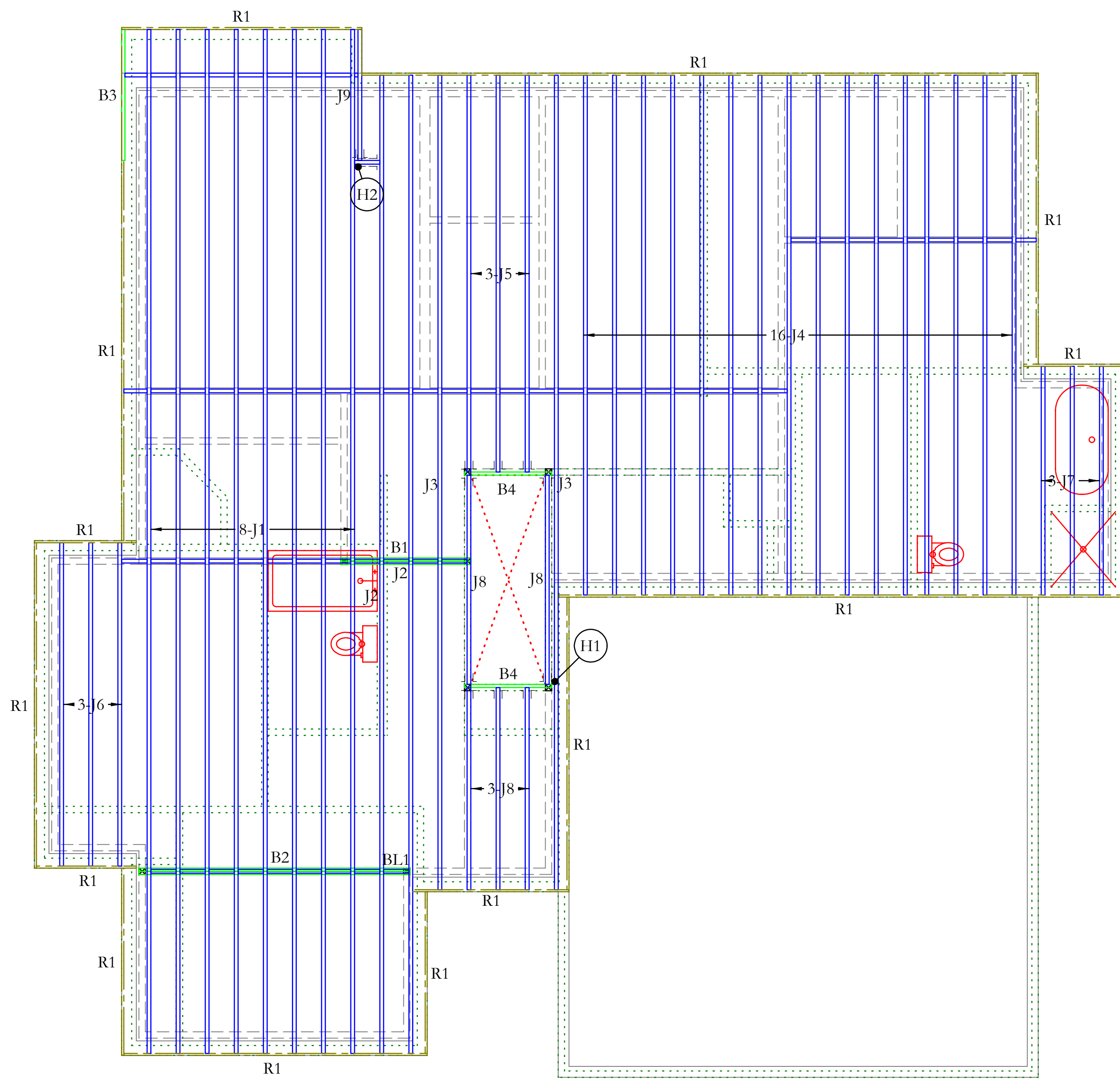
1f RIM JOIST AT PARALLEL WALL



Rimboard Thickness (in)	Horizontal Load (plf)	Vertical Load (plf) depth = 16"	1/2" Lag Screw Load (lb)	Post Load (lb)
RigidRim® OSB	1-1/2"	180 (8d box or common)	4400	350
RigidRim® Plus OSB	1-1/8" or 1-1/4"	200 (8d box or common)	4800	350
1.4E RigidRim® LVL	1-1/2"	213 (8d box or common)	4900	400
1.4E RigidRim® LVL	1-3/4"	213 (8d box or common)	5500	400

(1) All design properties assume embedded nailing of 8d nails @ 6" on-center. Additional nailing does not guarantee additional load capacity. Refer to RFP document 1225 for embedded through the sheathing to restrain the horizontal load capacity of the rimboard provided that the bottom spacing (flashing to rimboard) is 6" o.c. and the 8d nail spacing (flashing to rimboard) is in accordance with the prescriptive requirements of the applicable code.
(2) Submittals for the lag screw must be perpendicular to wide face of rimboard.

IMPORTANT: All Roseburg Engineered Wood Products are intended and warranted for use in dry-service conditions (i.e. where the average equilibrium moisture content of solid-sawn lumber is less than 16%).



The Dalton III - 7187 Branston Ave Sunday, January 24, 2021
Main floor system Job & RFP 21-016
I-joists spaced 16"oc Plan date: 1-11-21
Place joists to allow penetrations Rockwell Homes
Verify prior to bid & construction Ph: 208.542.9300

Mark	Material	Width	Depth	Quantity	Cut Length	Total Length
Blocking						
BL1	RFPI 400	2 1/16"	11 7/8"	1	72'	72'
						Subtotal
						72'
Hangers						
H1	Simpson IUS2.06/11.88			10		11.88 RFP400
H2	Simpson ITS2.06/11.88			3		11.88 RFP400
						Subtotal
						11.88 RFP400
Joists						
J1	RFPI 400	2 1/16"	11 7/8"	8	47'	376'
J2	RFPI 400	2 1/16"	11 7/8"	2	45'	90'
J3	RFPI 400	2 1/16"	11 7/8"	2	38'	76'
J4	RFPI 400	2 1/16"	11 7/8"	16	24'	384'
J5	RFPI 400	2 1/16"	11 7/8"	3	19'	57'
J6	RFPI 400	2 1/16"	11 7/8"	3	15'	45'
J7	RFPI 400	2 1/16"	11 7/8"	3	11'	33'
J8	RFPI 400	2 1/16"	11 7/8"	5	10'	50'
J9	RFPI 400	2 1/16"	11 7/8"	1	6'	6'
						Subtotal
						1117'
LVLs						
B1	2-Ply 2.1E RigidLa	1 3/4"	9 1/2"	2	6'	12'
						Subtotal
						12'
B2	2-Ply 2.1E RigidLa	1 3/4"	11 7/8"	2	13'	26'
B3	2.1E RigidLam	1 3/4"	11 7/8"	1	6'	6'
B4	2.1E RigidLam	1 3/4"	11 7/8"	2	4'	8'
						Subtotal
						40'
RIMs						
R1	Rimboard	1 1/8"	11 7/8"	1	190'	190'
						Subtotal
						190'
						1500 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	186'	186'
Subtract	Rimboard	1 1/8"	11 7/8"	1	93'	93'
						Subtotal
						93'
If carrying load is 2000# plf or less -- 1-ply I-joist required						
Add	RFPI 400	2 1/16"	11 7/8"	1	93'	93'
Subtract	Rimboard	1 1/8"	11 7/8"	1	93'	93'
						Subtotal
						0'
Project designer to select option by circling it prior to submitting for permit. Sign below						

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.

Roseburg Forest Products
Engineered Wood Products
Code Report Index:

- ICC ESR-125 1 I-Joists
- ICC ESR-12 10 LVL & LVL Rim
- City of Los Angeles RR25439 I-joists
- City of Los Angeles RR25680 LVL
- California DSA PA 13 1 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

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.

Allowable Floor Clear Spans For RFPI®-Joists

Joist Depth	Joist Series	40/10 Simple Span				40/10 Multiple Span			
		12" o.c.	16" o.c.	19.2" o.c.	24" o.c.	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
11-7/8"	RFPI 20	20'-6"	18'-9"	17'-9"	16'-6"	22'-4"	20'-5"	18'-10"	15'-3"
	RFPI 40S	21'-5"	19'-7"	18'-6"	16'-8"	23'-5"	20'-5"	16'-7"	16'-7"
	RFPI 400	21'-5"	19'-7"	18'-6"	16'-8"	23'-5"	21'-4"	20'-11"	17'-5"
	RFP 40	22'-1"	20'-2"	19'-0"	17'-9"	24'-1"	22'-0"	20'-8"	19'-3"
	RFP 60S	22'-7"	20'-8"	19'-6"	18'-2"	24'-8"	22'-6"	21'-2"	19'-7"
11-7/8"	RFP 70	23'-7"	21'-6"	20'-3"	18'-10"	25'-8"	23'-5"	22'-0"	19'-9"
	RFP 80S	24'-11"	22'-8"	21'-4"	19'-11"	27'-1"	24'-8"	23'-3"	21'-7"
	RFPI 90	26'-6"	24'-1"	22'-8"	21'-1"	28'-10"	26'-3"	24'-8"	22'-11"

- 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:

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

2-PLY 1-3/4" 2.1E RIGIDLAM® LVL - 100% FLOOR [PLF]											
Span (ft.)	Depth	4-3/8"	5-1/2"	7-1/4"	9-1/4"	11-1/4"	11-7/8"	14"	16"	20"	24"
6	TL	333	641	1385	2093	2165	2697	2901	3655	4466	5398
	BRG	15/3	15/3	18/45	24/6	25/62	31/77	33/83	42/105	51/128	62/155
	LL	144	281	621	1228	1321	1993	2459	2939	3464	4043
8	TL	212	416	926	1472	1519	1864	2188	2548	2935	3351
	BRG	15/3	15/3	15/35	23/56	23/58	29/71	31/76	38/94	45/112	53/133
	LL	74	146	327	658	710	1138	1321	1585	1889	2208
10	TL	106	213	465	879	1056	1423	1517	1851	2188	2548
	BRG	15/3	15/3	15/3	19/47	2/51	27/68	29/73	35/89	42/105	49/122
	LL	43	85	193	391	422	664	796	960	1146	1354
12	TL	61	123	263	576	626	1016	1172	1484	1742	2014
	BRG	15/3	15/3	15/3	15/34	15/36	23/59	27/68	34/85	41/10	46/116
	LL	34	67	147	290	310	441	514	620	739	870
14	TL	43	85	177	367	397	651	761	1170	1446	1664
	BRG	15/3	15/3	15/3	15/3	18/44	21/51	32/79	39/77	45/112	51/127
	LL	36	71	149	293	300	440	515	620	739	870
16	TL	50	118	246	513	531	831	1149	1417	1607	1804
	BRG	15/3	15/3	15/3	15/3	15/34	16/4	26/64	35/89	44/109	49/124
	LL	50	118	246	513	531	831	1149	1417	1607	1804

<p>Dalton III Idaho for Sunpro.build</p>	<p>JOB: RFP 21-016</p> <p>SCALE: 1/4"</p> <p>DRAWN: K&R Design</p> <p>DATE: 1-24-21</p>
	<p>SHEET: 1 OF 1</p>
<p>PRODUCT PLACEMENT DRAWING by K & R Design, LLC</p> <p>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.</p>	<p>First Floor Framing</p> <p>NOTE: ALL MEASUREMENTS TO BE VERIFIED IN THE FIELD</p>