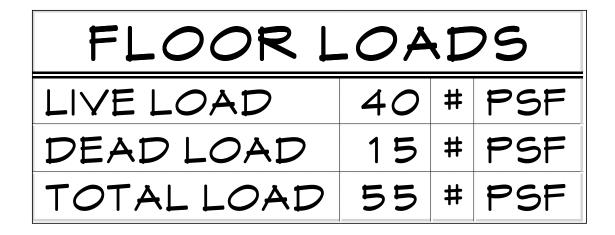
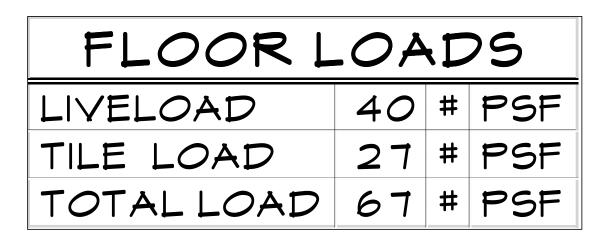
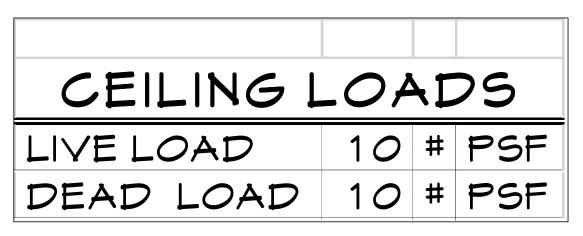
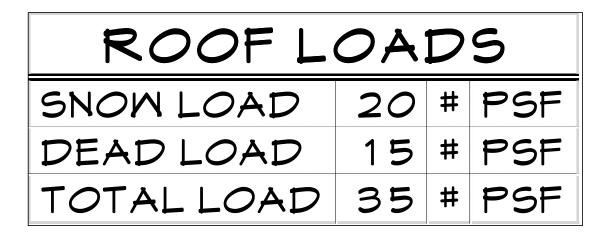
Gol						
Mark	Material	Width	Depth	Quantity	Cut Length	Total Length
Blockin	g					
BL1	RFPI 20	1 3/4	11 7/8	l/f	r/l	102'
					Subtotal	102'
Hanger						
H1	USP TFL23118			6		
Joists						
J1	RFPI 70	2 5/16	11 7/8	54	36'	1944'
J2	2-Ply RFPI 70	2 5/16			17'	136'
J3	RFPI 70	2 5/16	11 7/8	40	17'	680'
J4	RFPI 70	2 5/16	11 7/8	2	13'	26'
J5	RFPI 70	2 5/16	11 7/8	2	3'	6'
					Subtotal	2792'
RIMs						
R1	1.3E RigidRim LVL	1 1/2	11 7/8	14	24'	336'
					Subtotal	336'

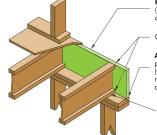
## RFPI Joist Placement Diagram







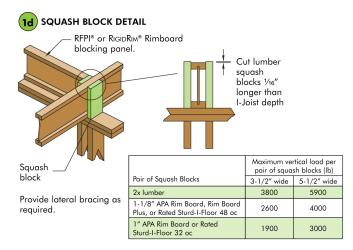


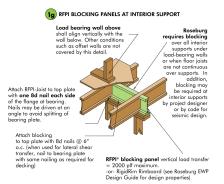




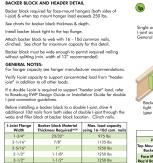


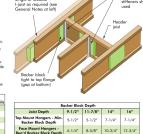
Attach RFPI-Joist to top plate with one 8d nail each Side of the flange at bearing. **To avoid splitting flange**, install nails a minimum of 11%" from end of I-joint. Nails may be driven at an angle to avoid splitting of bearing plate.





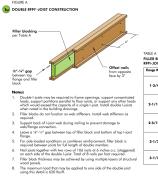
BACKER BLOCK AND HEADER DETAIL



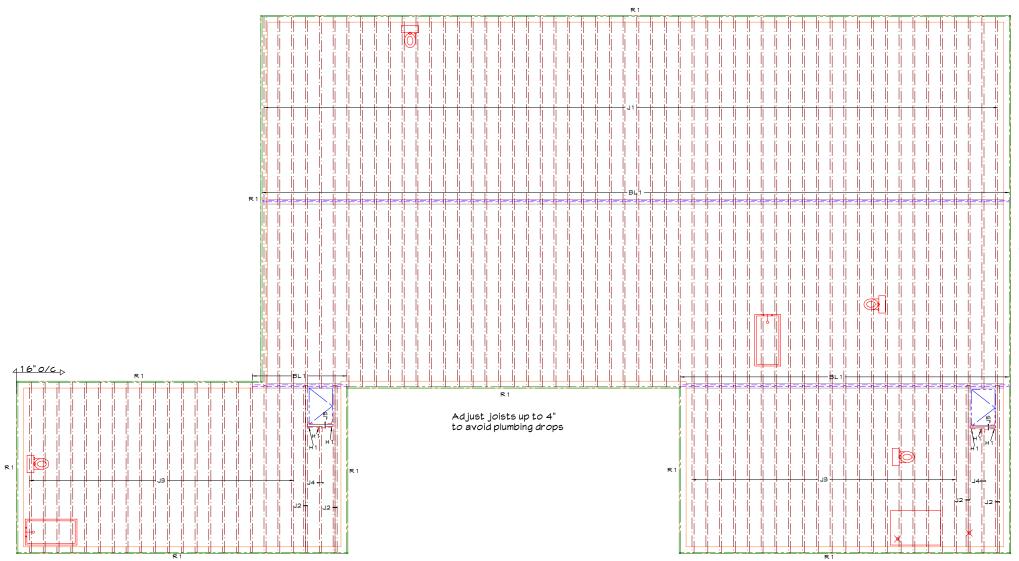


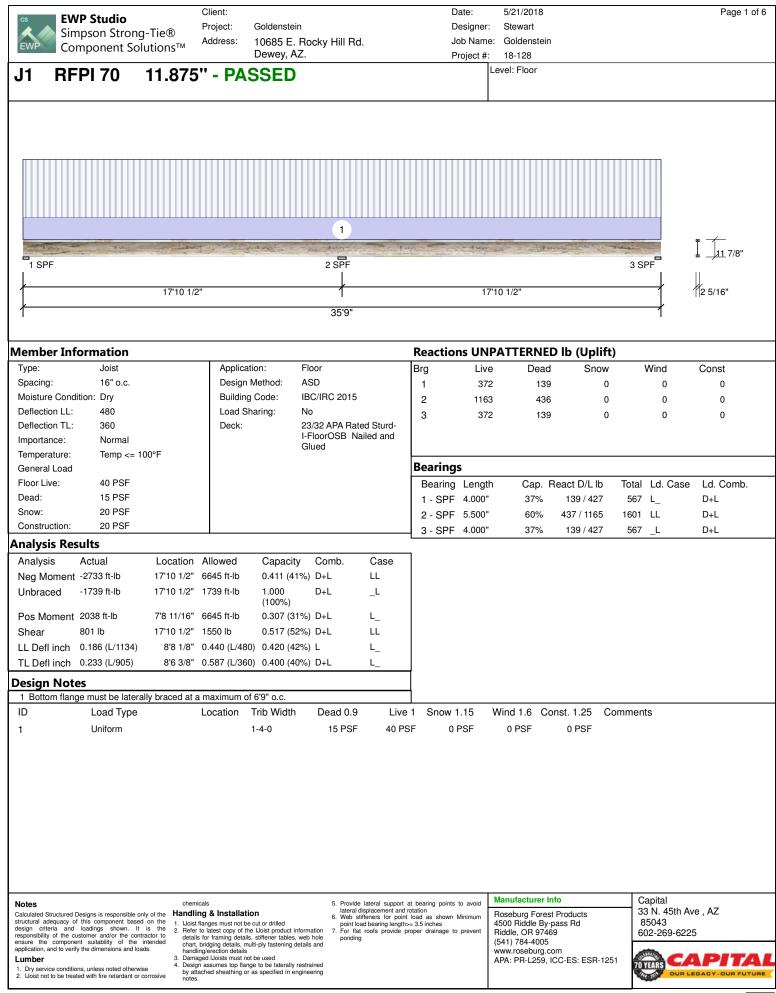
1-1/8\* 1-1/2\* (a) Minimum grade for backer material shall be Utility grade SPF or better for solid sown lumber and Roted Sheathing grade for wood structural panels.
(b) Glue 2-ply backer blocks together with construction grade adhesive (ASTM D-3498)

2-1/2" 3-1/2"

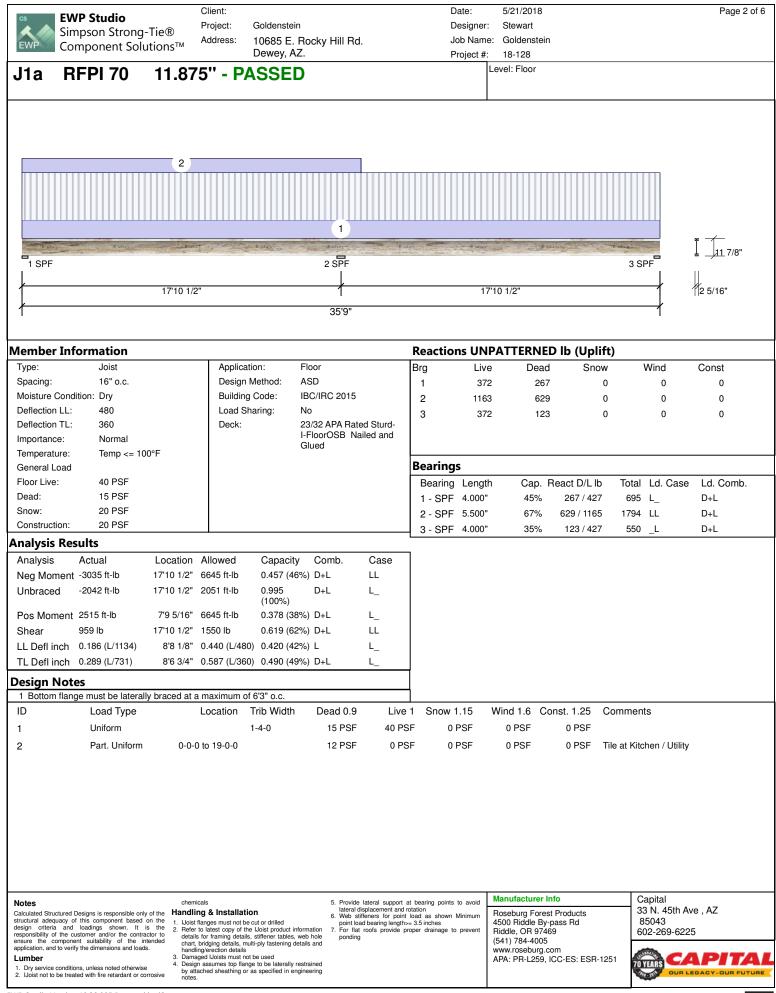


Flange Width	Joist Depth	Joist Designation	Net Filler Block Size		
	9-1/2*	20	1-3/8" × 6"		
1-3/4"	11.7/8*	20	1-3/8" × 8"		
1-3/14	14*	20	1-3/8" × 10"		
	16"	20	1-3/8" × 12"		
	9-1/2*	400	1-3/4" × 6"		
2-1/16"	11-7/8*	400	1-3/4" × 8"		
2-1/10"	14"	400	1-3/4" × 10"		
	16"	400	1-3/4" x 12"		
	9-1/2*	40, 70	2" × 6"		
2-5/16"	11-7/8*	40, 70	2"×8"		
2-5/16*	14"	40, 70	2" × 10"		
	16"	40, 70	2" × 12"		
	9-1/2*	405, 605	2-1/8" × 6"		
2-1/2"	11.7/8*	405, 605	2-1/8" × 8"		
3-1/2-	14*	405, 605	2-1/8" x 10"		
	16"	405, 605	2-1/8" x 12"		
	11.7/8*	805, 90	3" x 8"		
3-1/2"	14*	805, 90	3" × 10"		
	16"	805.90	3" × 12"		

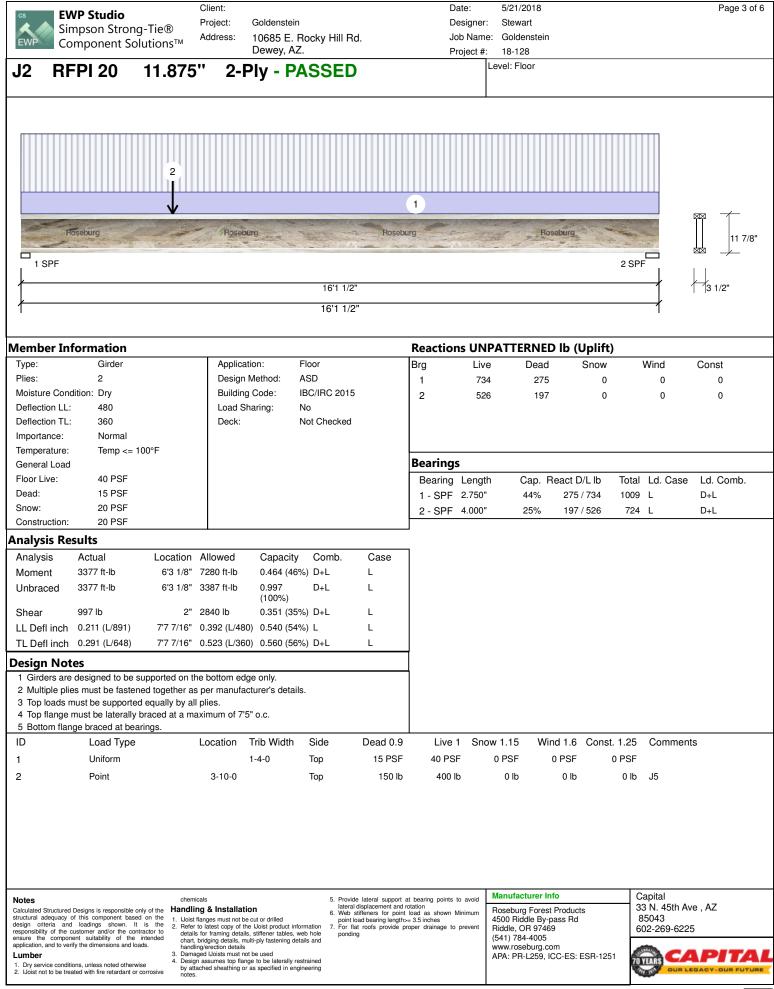




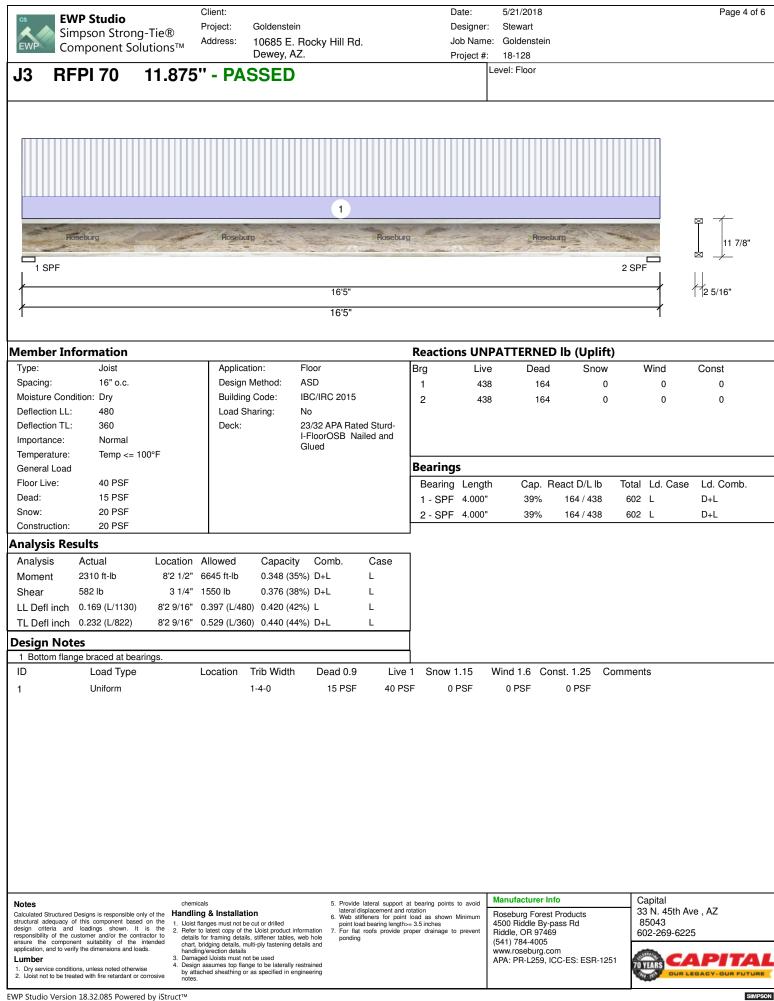




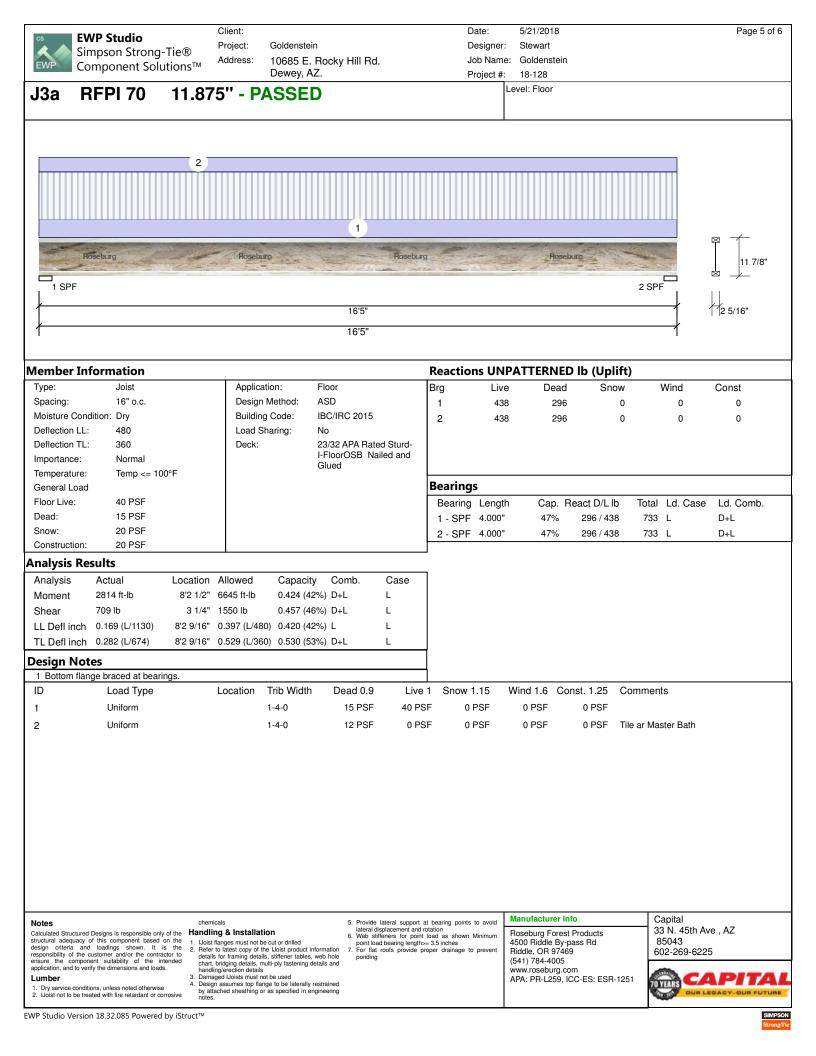




SIMPSON Strong Tie

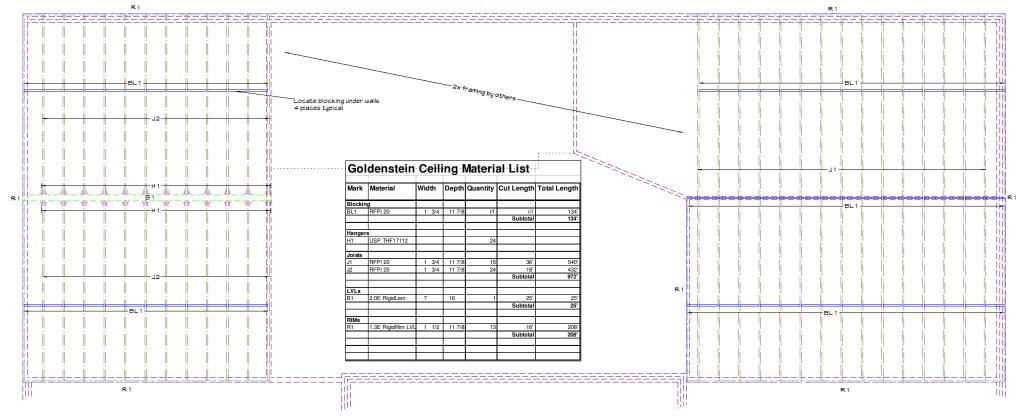




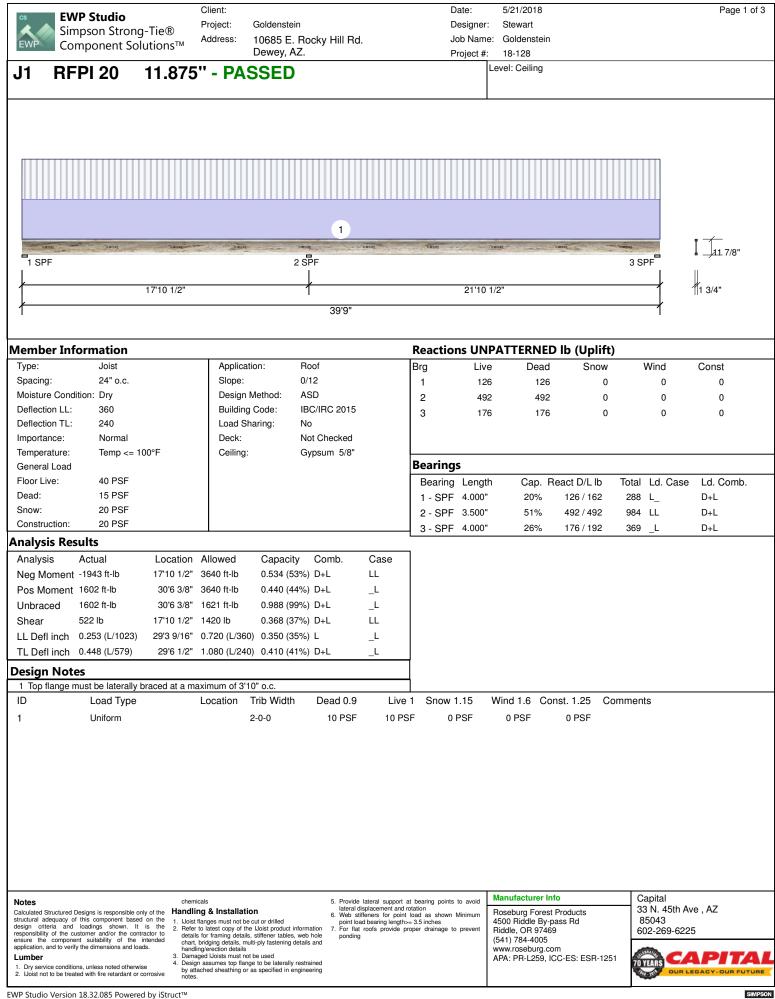


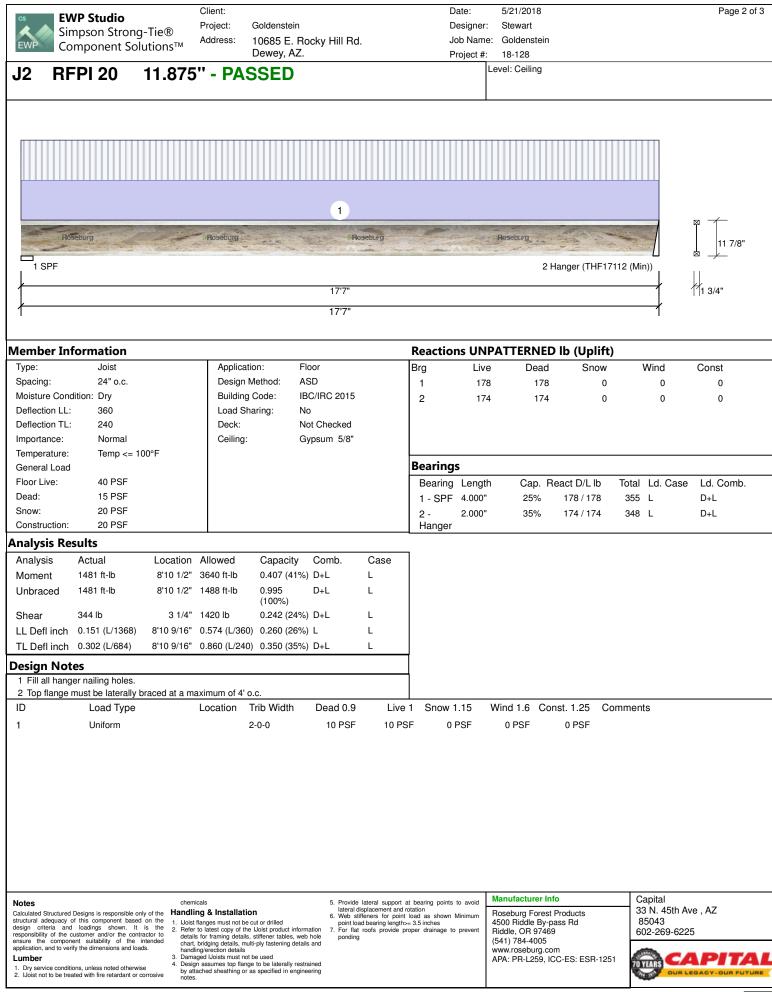
Sim	<b>P Studio</b> pson Strong-Tie@ nponent Solution	R I	Client: Project: Address:	Goldenstein 10685 E. F Dewey, AZ	Rocky Hill Ro	J.	De Jo	ate: esigner: b Name: oject #:	5/21/2018 Stewart Goldenstei 18-128	n			Page 6 of
J5 RF	PI 70 11.	875'	' - PA	SSED				L	evel: Floor				
2	1												P T
1 Hanger	(TFL23118) 2 Hanger (TFL23118) 2'6" 2'6"												11 7/8"
Vember Info		I 					Desetion		ATTERNE		1:64)		
	Girder		Applica	tion:	Floor							Mind	Canat
Type: Plies:	1				ASD		Brg 1	Live 400	Dead 15		ow 0	Wind 0	Const 0
Moisture Condit			-		BC/IRC 2015		2	400	15		0	0	0
Deflection LL:	480		Load S	haring: I	No		-			•	Ū	Ũ	0
Deflection TL:	360		Deck:	ı	Not Checked								
Importance:	Normal												
Temperature:	Temp <= 100°F												
General Load							Bearings						
Floor Live:	40 PSF						Bearing	Length	Cap.	React D/L	lb Tota	al Ld. Case	Ld. Comb.
Dead:	15 PSF							2.000"	44%	150 / 40	00 55	0 L	D+L
Snow:	20 PSF						Hanger						
Construction:	20 PSF						2 - Hanger	2.000"	44%	150 / 40	00 55	0 L	D+L
Analysis Res	ults												
Analysis	Actual Loo	cation /	Allowed	Capacity	Comb.	Case							
	289 ft-lb		6645 ft-lb	0.043 (4%)		L							
Unbraced	289 ft-lb	1'3" 6	6236 ft-lb	0.046 (5%	) D+L	L							
Shear	504 lb	1 1/4"	1550 lb	0.325 (33%	%) D+L	L							
LL Defl inch	0.004 (L/7433)	1'3" (	0.057 (L/48	0) 0.060 (6%	) L	L							
TL Defl inch	0.005 (L/5406)	1'3" (	0.076 (L/36	0) 0.070 (7%)	) D+L	L							
Design Note	S												
3 Top flange ur	lesigned to be supported	ed on the	e bottom ed	ge only.									
ID	Load Type	L	ocation	Trib Width	Side	Dead 0.9	Live 1	Snov	v 1.15 W	/ind 1.6 C	onst. 1.25	Commen	ts
1	Uniform			6-0-0	Far Face	15 PSF	40 PSF	=	0 PSF	0 PSF	0 PSF	:	
2	Uniform			2-0-0	Near Face	15 PSF	40 PSF	=	0 PSF	0 PSF	0 PSF	:	
2 Notes		chemica Handling	uts <b>g &amp; Installat</b> t	2-0-0 ion	Near Face 5. Providi lateral 6. Web s	15 PSF	40 PSF	o avoid		0 PSF	0 PSF		ve , AZ
Lumber 1. Dry service condition:	It is component based on the loadings shown. It is the loadings shown. It is the loadings shown. It is the loading shown. It is the standard the contractor to t suitability of the intended the dimensions and loads. s, unless noted otherwise d with fire retardant or corrosive	handling 3. Damage 4. Design :	latest copy of the for framing details ridging details, m g/erection details and IJoists must not assumes top flar	he IJoist product info ls, stiffener tables, w nulti-ply fastening deta	rmation 7. For fla eb hole pondin ails and	at roofs provide pr	roper drainage to	prevent	Riddle, OR 974 (541) 784-4005 www.roseburg. APA: PR-L259,	169 5 com	3-1251	602-269-622	



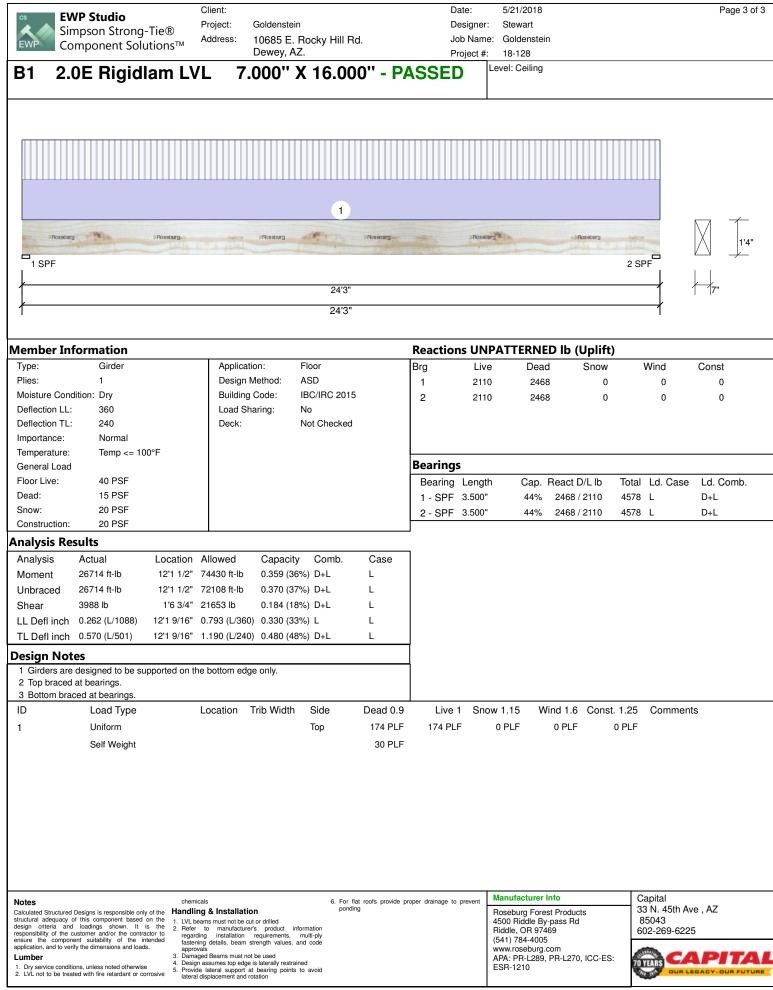


## Ceiling joist not designed for living or storage space



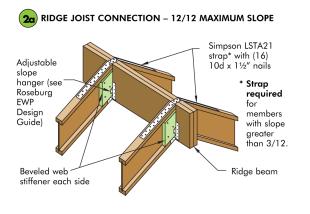


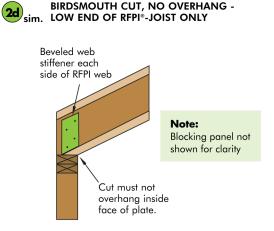




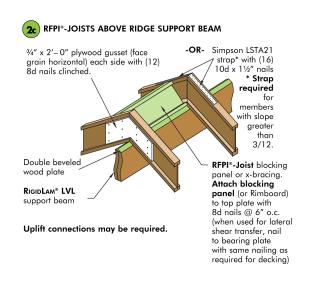
SIMPSON Strong Tie

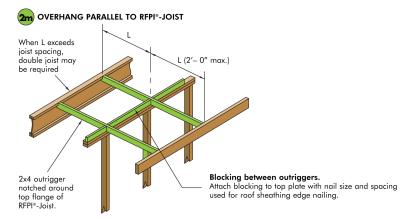
0.01	densteir					
Mark	Material	Width	Depth	Quantity	Cut Length	Total Length
Blockin	a					
BL1	RFPI 20	1 3/4	9 1/2	l/f	r/l	8
					Subtotal	8
BL2	RFPI 400	2 1/16	16	l/f	r/l	200
					Subtotal	200
Hanger	S					
H1	USP HDQ412IF_S	SK24R_SL34	4D*	1		
H2	USP HDQ412IF_S	SK24L_SL34	D*	1		
H3	USP LSSH20			100		
H4	USP THF17925_9	SK66R_SL34	ŧU*	5		
H5	USP THF17925_9	SK66L_SL34	.U*	5		
H6	USP LSSH179			14		
Joists						
J1	RFPI 20	1 3/4	9 1/2	6	21'	126
J2	RFPI 20	1 3/4	9 1/2	2	17'	34
J3	RFPI 20	1 3/4	9 1/2	2		26
J4	RFPI 20	1 3/4	9 1/2	2		20
J5	RFPI 20	1 3/4	9 1/2	2		12
			• … –		Subtotal	218
J6	RFPI 400	2 1/16	16	30		750
J7	RFPI 400	2 1/16	16	30		690
J8	RFPI 400	2 1/16	16	2		42
J9	RFPI 400	2 1/16	16	8		160
J10	RFPI 400	2 1/16		8		144
J11	RFPI 400	2 1/16		4		64
J12	RFPI 400	2 1/16		4		60
J13	RFPI 400	2 1/16		8		104
J14	RFPI 400	2 1/16		8		88
J15	RFPI 400	2 1/16		8		64
J16	RFPI 400	2 1/16		8		48
J17	RFPI 400	2 1/16		4		16
J18	RFPI 400	2 1/16		4		12
					Subtotal	2242
Deemo						
<b>Beams</b> B1	2 OF Rigid on	3 1/2	11 7/0		100	46
	2.0E RigidLam	3 1/2	11 7/8	2	23' Subtotal	46 <b>46</b>
B2	2.0E RigidLam	3 1/2	16	1		30
B3	2.0E RigidLam	3 1/2	16	1		18
	<u> </u>			· · ·	Subtotal	48
B4	2.0E RigidLam	5 1/4	16	4		120
	<u> </u>		_	· · ·	Subtotal	120
B5	24F V4 GLB	5 1/8	24	1		31
B6	24F V4 GLB	5 1/8	24	1		25
				· · ·	Subtotal	56
B7	24F V4 GLB	6 3/4	24	1		31
B8	24F V4 GLB	6 3/4	24	1	12'	12
				· · ·	Subtotal	43



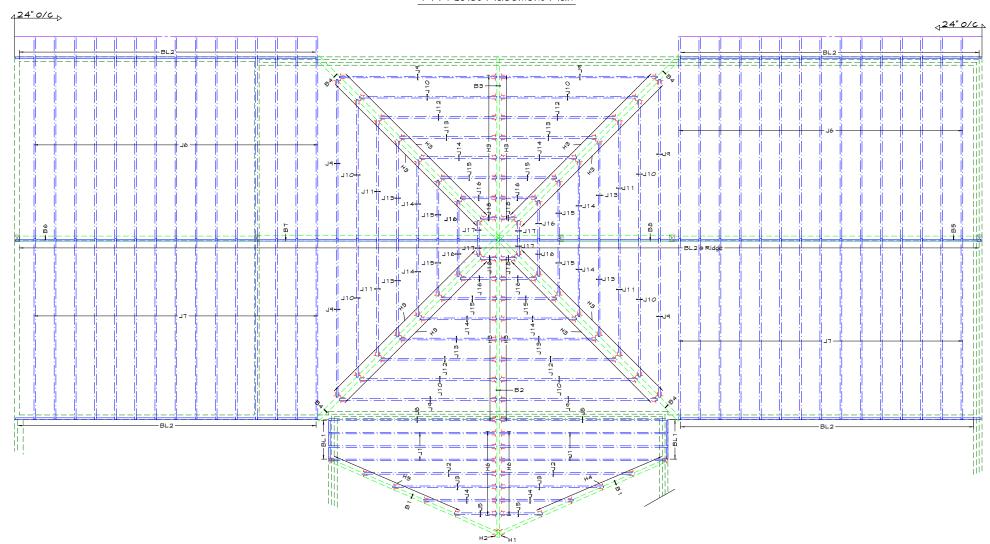


Uplift connections may be required.

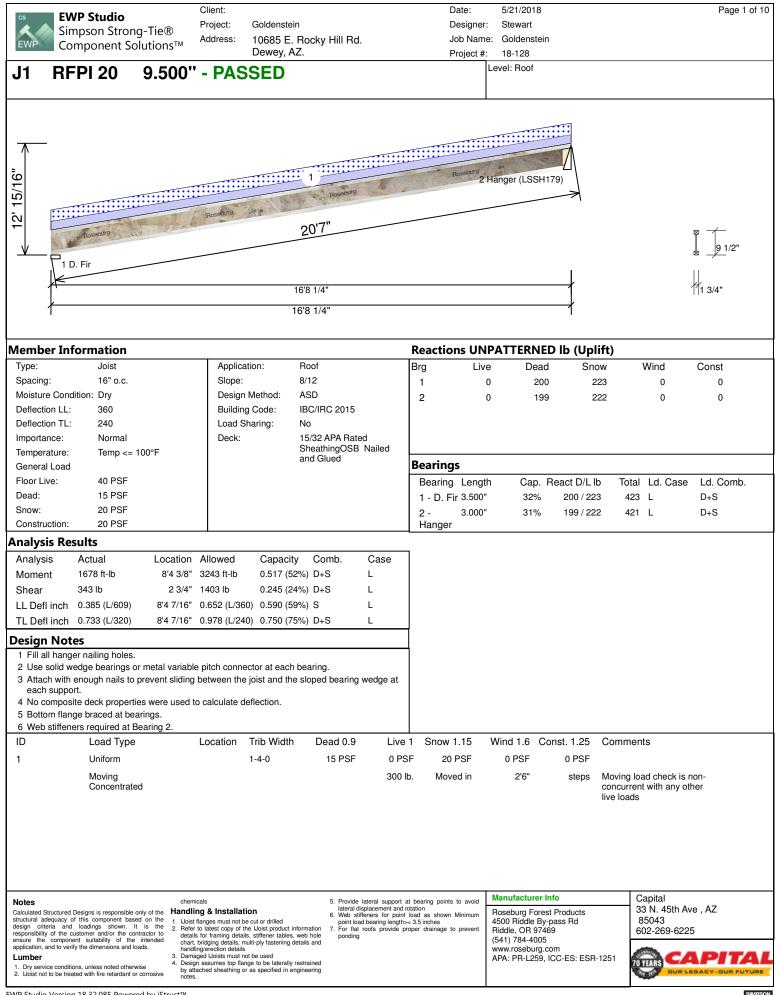




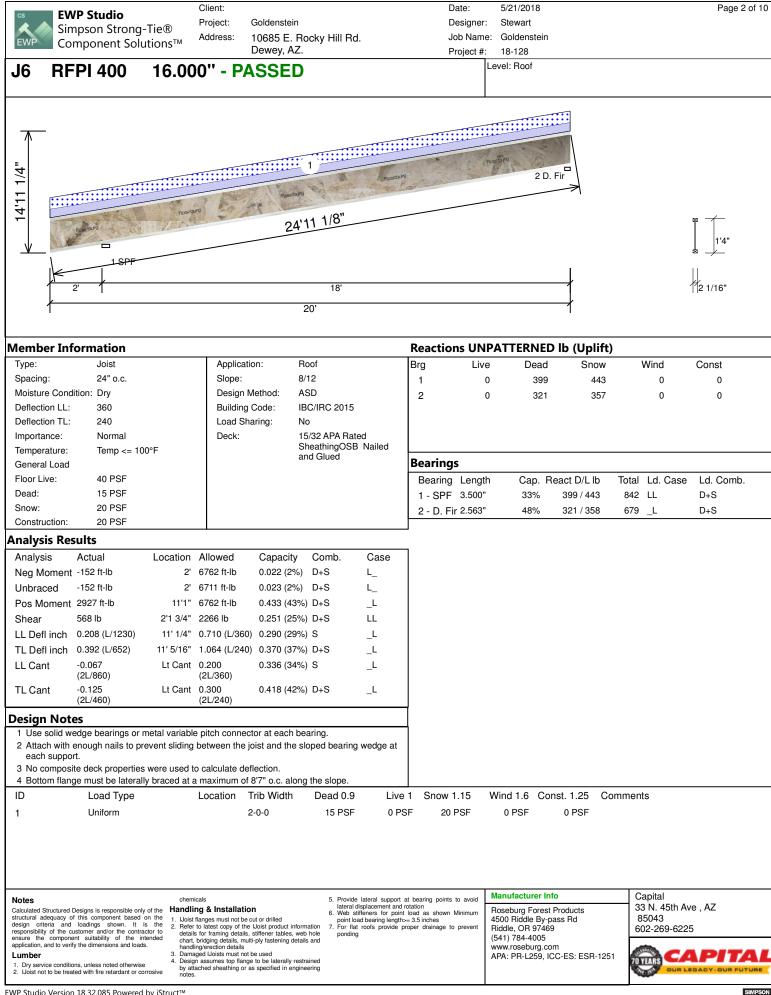
Uplift connections may be required.

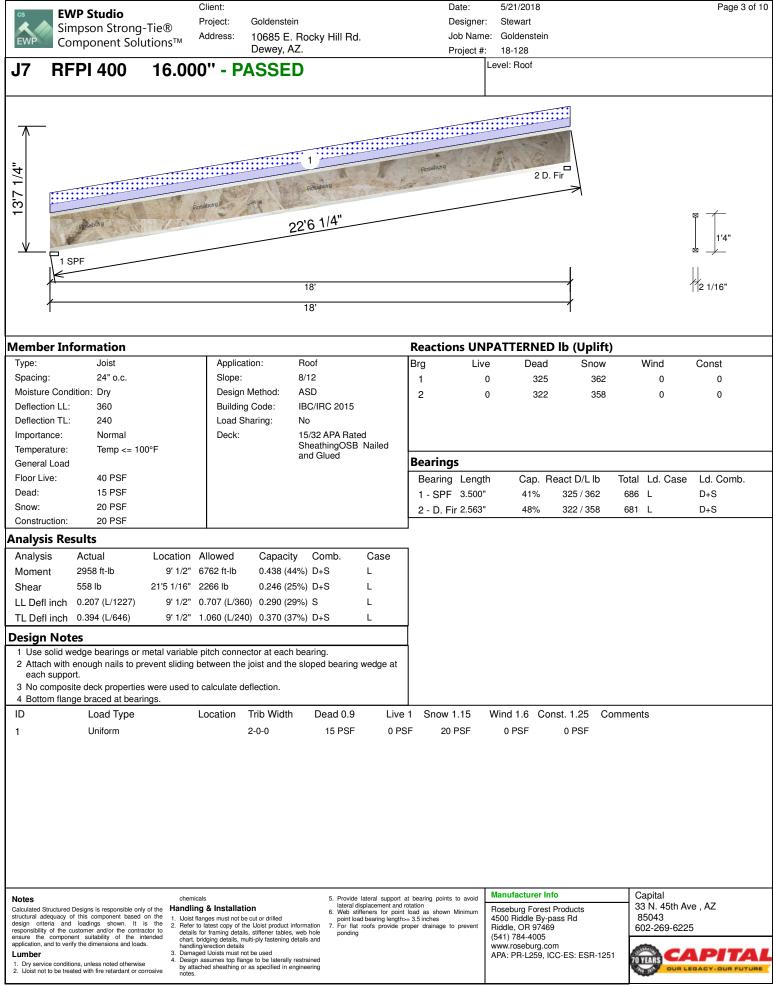


RFPI Joist Placement Plan

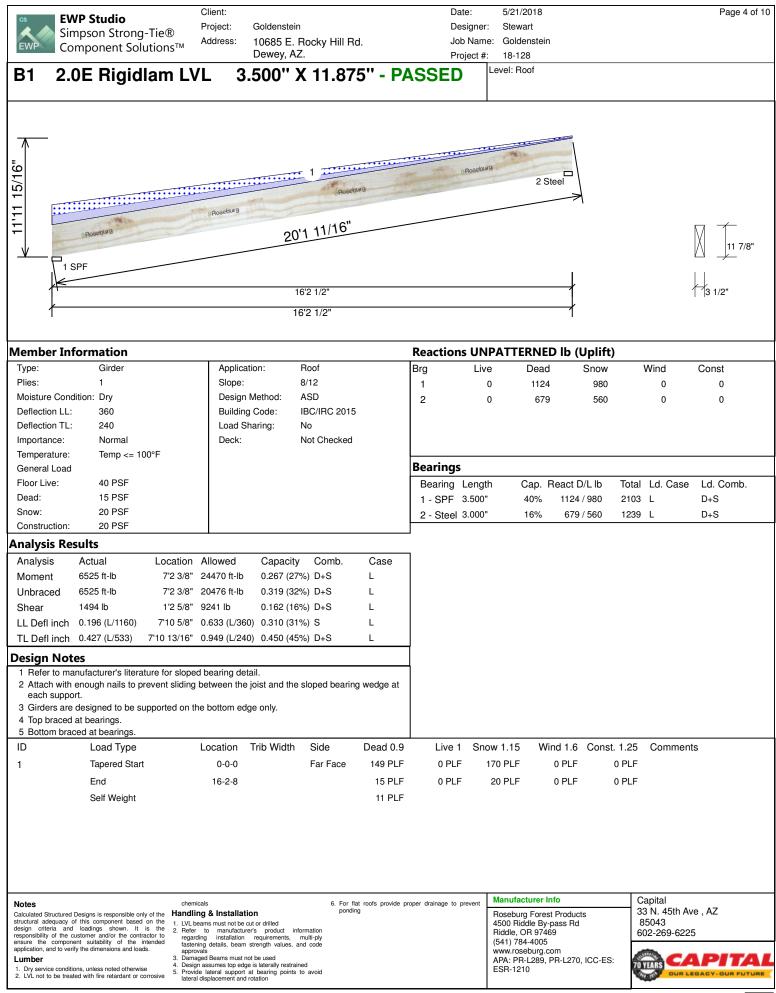


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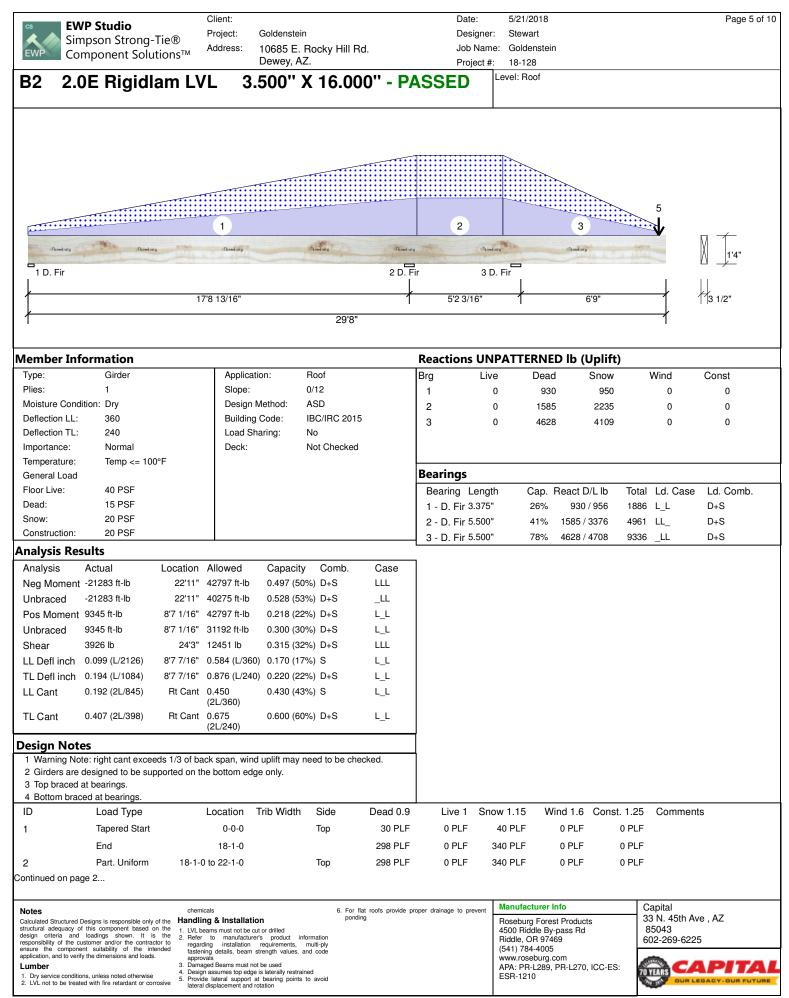




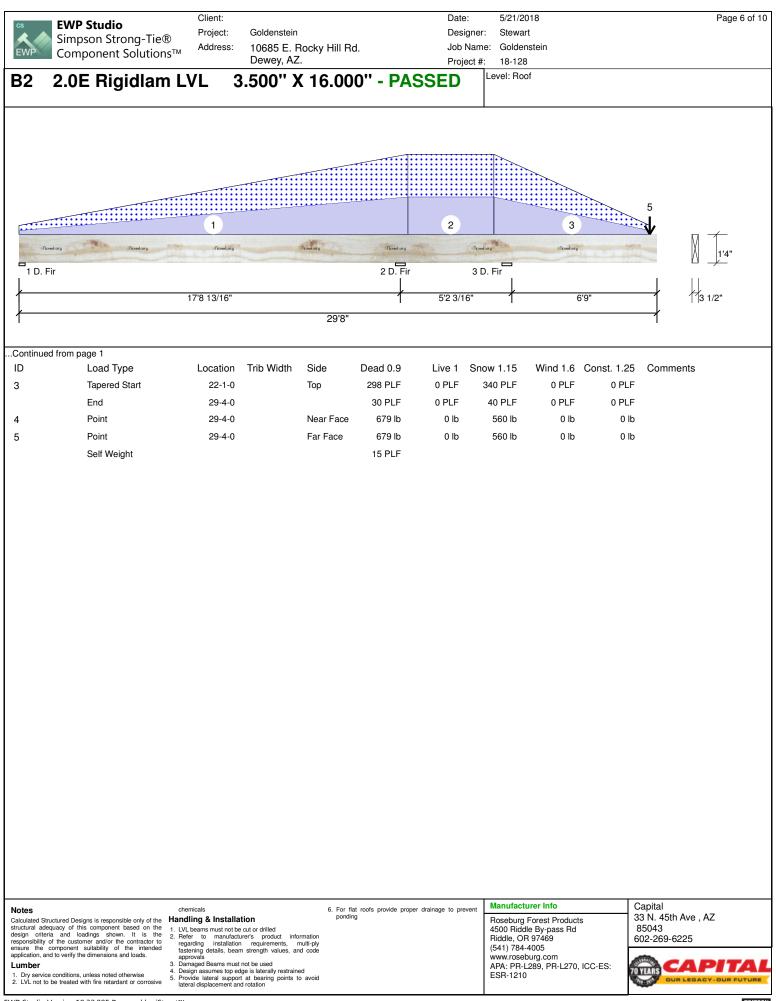
SIMPSON Strong Tig

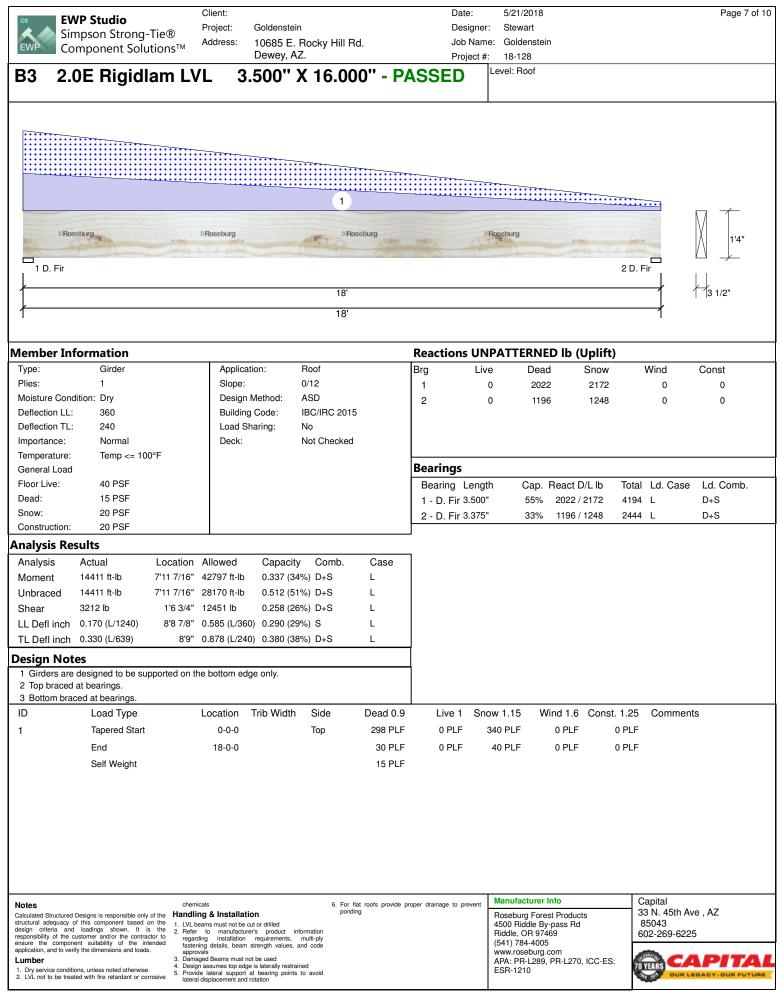




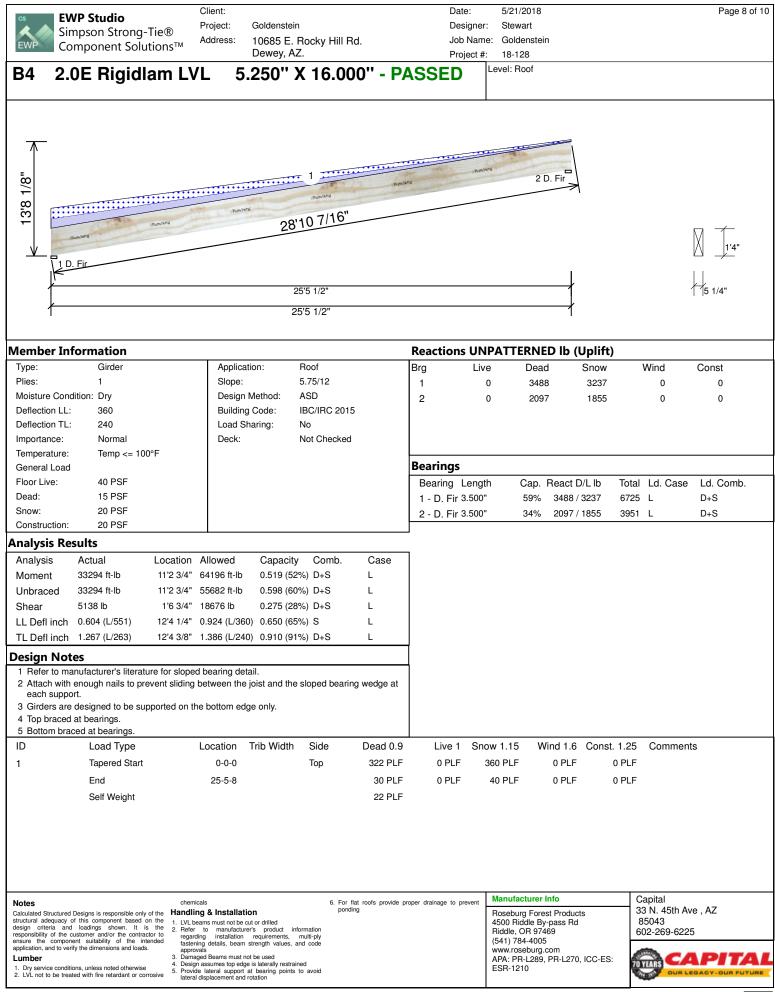












SIMPSON Strong Tie

