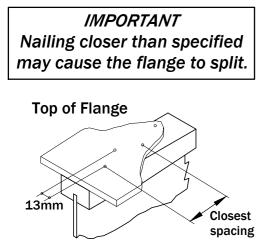


					Round	Hole S	Size (m	m)			
		51	102	152	203	254	305	356	406	457	508
Joist Depth	Joist Series			Square	or Rec	tangul	ar Hole	Size (n	nm)		
(mm)	56165	32	64	102	127	152	178	216	241	267	330
241	145 / 165	457	914	1524	-	-	-	-	-	-	-
241	190	610	1067	1676	-	-	-	-	-	-	-
	I45 / I65	457	762	1219	1676	-	-	-	-	-	-
302	190 / 190H	457	1067	1676	2134	-	-	-	-	-	-
	190HS	610	1219	1981	-	-	-	-	-	-	-
	145 / 165	305	610	1067	1372	1981	-	-	-	-	-
356	190 / 190H	305	914	1524	1981	2743	-	-	-	-	-
	190HS	610	1219	1829	2438	-	-	-	-	-	-
	145 / 165	305	457	914	1219	1524	2438	-	-	-	-
406	190 / 190H	305	610	1219	1829	2591	3200	-	-	-	-
	190HS	610	1219	1829	2438	3048	-	-	-	-	-
	145 / 165	305	305	762	1067	1372	1829	2743	-	-	-
457	190 / 190H	305	305	762	1524	2134	2896	3810	-	-	-
	190HS	610	1219	1829	2438	3048	3658	-	-	-	-
	145 / 165	305	305	610	914	1219	1524	2134	3200	-	-
508	190 / 190H	305	305	610	1219	1829	2438	3353	4267	-	-
	190HS	610	1219	1829	2438	2896	3505	4267	-	-	-
	165	305	305	457	762	1067	1372	1676	2286	3505	-
559	190 / 190H	305	305	305	914	1524	2134	2743	3810	4877	-
	190HS	610	1219	1829	2438	2896	3505	4115	4877	-	-
610	165	305	457	762	1067	1219	1524	1829	2286	3048	-
to	190 / 190H	305	305	610	1067	1524	1981	2591	3200	4420	5639
660	190HS	610	1219	1829	2286	2896	3505	4115	4572	5486	-
711	165	305	610	762	1067	1219	1524	1829	2134	2438	3200
to	190 / 190H	305	457	762	1219	1676	1981	2438	2896	3505	4420
813	190HS	610	1067	1524	2134	2591	3048	3658	4115	4877	5639

	i nearest int	enneu		cantile	ici sup	pon					
					Round	Hole S	Size (m	m)			
		51	102	152	203	254	305	356	406	457	508
Joist Depth	Joist Series			Square	or Rec	tangula	ar Hole	Size (n	nm)		
(mm)	361165	32	64	102	127	152	178	216	241	267	330
244	145 / 165	457	1219	1981	-	-	-	-	-	-	-
241	190	914	1676	2438	-	-	-	-	-	-	-
	145 / 165	305	610	1372	2134	-	-	-	-	-	-
302	190 / 190H	610	1372	2286	3048	-	-	-	-	-	-
	190HS	1067	1829	2743	-	-	-	-	-	-	-
	145 / 165	305	305	1067	1676	2591	-	-	-	-	-
356	190 / 190H	305	1067	1829	2743	3810	-	-	-	-	-
	190HS	1219	1981	2743	3505	-	-	-	-	-	-
	145 / 165	305	305	610	<i>1219</i>	1981	3048	-	-	-	-
406	190 / 190H	305	457	1372	2438	3353	4420	-	-	-	-
	190HS	914	1829	2591	3505	4267	-	-	-	-	-
	145 / 165	305	305	305	762	1524	2438	3658	-	-	-
457	190 / 190H	305	305	762	1676	2743	3810	<i>5182</i>	-	-	-
	190HS	762	1676	2438	3353	4115	5029	-	-	-	-
	145 / 165	305	305	305	305	1067	1829	2743	4115	-	-
508	190 / 190H	305	305	305	1067	2134	3200	4420	5944	-	-
	190HS	610	1524	2286	3200	4115	4877	5944	-	-	-
	165	305	305	305	305	610	1372	2134	3048	4572	-
559	190 / 190H	305	305	457	1219	1981	2896	3658	4877	-	-
	190HS	305	914	1829	2743	3810	4724	5639	6706	-	-
610	165	305	305	457	914	1372	1829	2286	3048	4115	-
to	190 / 190H	457	914	1372	1829	2286	2743	3353	4267	5639	-
660	190HS	457	1219	1981	2743	3505	4267	5182	6096	7010	-
711	165	305	305	457	914	1372	1829	2286	2743	3353	4115
to	190 / 190H	457	914	1372	1829	2286	2743	3353	3810	4724	5639
813	190HS	305	762	1372	2134	2896	3658	4420	5182	5944	6553

 All na other bridgi Do no Manu RedBridgi 	tils specified wise. Use p ng clips, bra t scale drav facturer's ro uilt™ produ indicated ho	roper size na	package to ils to fill al n dimensio is only for or any sup terials sha	o be "comr I nail holes ons take pr the design porting str Il be suppl	mon" nails u s in bearing recedence. n of the ructure or lo ied by other	ads other	Abb AFP AOR CL DBL EOR FBO FOC FOS GC LL LSL LVL OFA OW PLT PSL RB		Term Approved for Product Architect of Record Centerline Double Dead Load Engineer of Record Framing by Others Face of Concrete Face of Stud General Contractor Live Load Laminated Strand Lu Laminated Veneer Lu Out for Approval Open-Web Trusses by Plate Parallel Stranded Lur RedBuilt [™]	mber mber r RedBuilt [™]	
Minimum N Flange Width Web St 44mm 16m 53mm 19m 64mm 25m	Web Stiffer tiffener Size mx59mm mx59mm mx59mm mx59mm	IFFENE ner Size and Web Stiffen eething (with face eets the requirem Construction g Red-I90HS™ Joists	I Material er Material e grain vertical eents of PS1 or grade or better) that PS2	Use solid 38x to transfer lo	Load Transfer at Concentrated Loads	on req dep • See spe pro	joist series uired at bo oth or grea plan/det ecific to the ject. veb stiffen	ails for require e joists being ers are require ey must be atta	ney are al s 508mm ements used on the ed at han	lways n in his ger
	Red-I45™ Red-I45L [™] Red-I53™ Red-I53™ 8mm rown 2.87mm 8mm rown 2.87mm ate Intermediat 3 3 3 3 3 3 3 3 3 3 3 3 3 1 N/A N/A	M M M M Red-I65™ X 64mm nails ⁽¹⁾ End or	Red-Red-I Red-I 3.43 End N/A 3 4 5 6 7 8 9 9 N/A	I90 [™] 90H [™] mm x 89mm N Intermediate N/A 3 4 5 5 6 12 12 14 15 16 18 N/A ble	Red-I90HS™	 Web stiffen or other co (exceeding specific red AT ALL COI sides - must 	An and a second	at load bearin load above e plan/details /eb stiffener or painst top or bo per chart	for both Dittom INTEREN LOAD 38mm Typ Space nails equally 38mm Typ Nail		im to mm ght t
5 FL/	ANGE	AND E	BEAM	NAIL	ING	Nailing of shea	Cl	osest On-Cent	er Spacing Per Row RedLam™ LVL Narrow Face		15

and specifications. In addition, nail spacing shall comply with the criteria listed.



		Closest On-Cente	r Spacing Per Row ⁽¹		
Nail Type	Nail Size	I-Joist Flange ⁽²⁾	RedLam™ LVL Narrow Face		
8d ⁽³⁾	2.87mm x 64mm	51mm	76mm		
ou	3.33mm x 64mm	51mm	76mm		
10d	3.25mm x 76mm	51mm	76mm		
100	3.76mm x 76mm	76mm	102mm ⁽⁴⁾		
12d	3.25mm x 83mm	51mm	76mm		
	3.76mm x 83mm	76mm	102mm ⁽⁴⁾		
	3.43mm x 89mm	76mm	102mm		
16d	3.76mm x 83mm	76mm	102mm ⁽⁴⁾		
	4.11mm x 89mm	102mm	203mm ⁽⁵⁾		
			ws at least 13mm an		
stagger Sheathi flange c	ng must be nailed on the I-joist with th	ninimum edge dista to the full length of t le maximum nail spa ists with flange widt	he top (or compressi acing as follows:		
stagger Sheathi flange c	ng must be nailed on the I-joist with th 457mm OC for I-jo	to the full length of t e maximum nail spa ists with flange widt	he top (or compressi acing as follows:		

exceed 35mm.

INSTALLATION BRACING



D NOT walk on the joists until II joist bearings and bracing have been permanently attached. Injury may result.

TANT

s must extend to braced end wall, beam or sheathing.

s (19x89 minimum) m on-center for joists with

wide flanges im on-center for joists with wide flanges

m on-center for joists with wide flanges

s are required at all ocations where joists therwise braced.

ever bracing may be required. See plan.

cantilevers must be erally stabilized with , bracing or rim joist

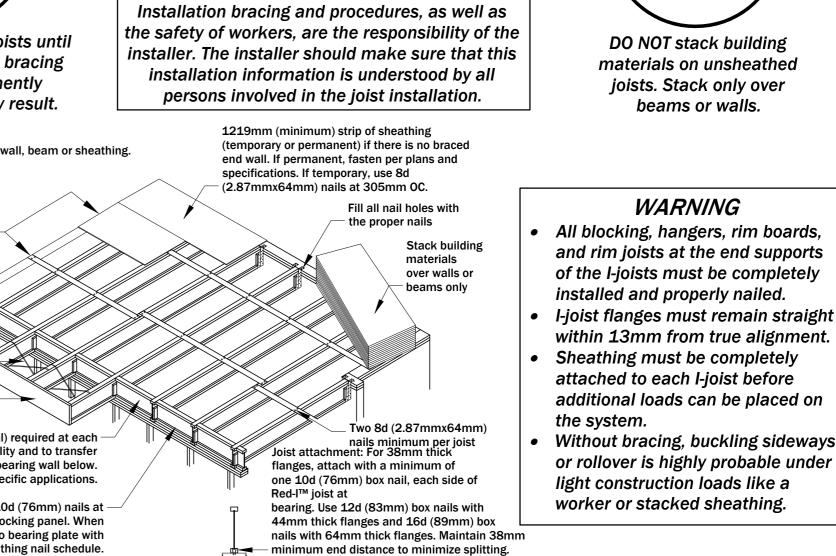
I-joist blocking panel (or equal) required at eachside of I-joist for lateral stability and to transfer all load above (as occurs) to bearing wall below. See plan/details for specific applications.

mum blocking attachment: 10d (76mm) nails at imm OC each side of I-joist blocking panel. When used for shear transfer, nail to bearing plate with onnections equivalent to sheathing nail schedule.

WARNING

Without correctly installed bracing, joists can buckle sideways or roll over, causing death, serious personal injury, or property damage.

NOTICE



STANDARD INSTALLATION DETAILS

