



2ND FLOOR I-JOIST PLACEMENT PLAN  
MATTAMY HOMES - REDWOOD

ENGINEERED WOOD MATERIAL LIST				
MATTAMY HOMES REDWOOD 2ND FLOOR I-JOIST PLACEMENT PLAN				
MARK	QTY	CUT LENGTH	DESCRIPTION	(Notes)
4	10	4'-0"	2" x 14" TJI 210	
7	3	7'-0"	2" x 14" TJI 210	
9	1	9'-0"	2" x 14" TJI 210	
12	2	12'-0"	2" x 14" TJI 210	
17a	12	17'-0"	2" x 14" TJI 210 < 2 >	
19a	8	19'-0"	2" x 14" TJI 210 < 2 >	
20	9	20'-0"	2" x 14" TJI 210	
21a	5	21'-0"	2" x 14" TJI 210 < 2 >	
36a	7	36'-0"	2" x 14" TJI 210 < 2 >	(Total 987)

  

BEAMS AND HEADERS	
LVL	2 12'-0" 1 3/4" x 14" LVL 2.0E (Flush)
LVL	2 8'-0" 1 3/4" x 14" LVL 2.0E (Flush)
LVL1	2 12'-0" 1 3/4" x 14" LVL 2.0E (Flush)

  

ACCESSORIES & OTHER MATERIALS (Simpson Hangers)			
ITEM	QTY	UNIT	DESCRIPTION
14" Rim	162	LF	1 1/2"x14" TJ Rim 14 pcs@12' or 11 pcs@16'
BP	17	1'-5 1/8"	14" Blocking Panel (Total 34')
H4c	1	PCS	M1U4.28/14 Double Face Mnt Hanger
H5c	18	PCS	IUS2.06/14 Single Face Mnt Hanger
10CUT14C	64	HOLE	10" Circular Cutout
TJ.LAYOUT	1	PCS	TJI Placement Layout
TJ.GUIDE	1	PCS	TJI Installation Guide

SEE MATERIAL LIST FOR DEPTH, SERIES & LENGTH

INDICATED I-JOIST  
INDICATED TIMBERSTRAND NOR. LVL  
INDICATED FLOOR-JOIST LVL  
INDICATED PARALLEL PCL  
INDICATED BLOCK-LAY

INDICATES A SECTION FROM THE INSTALLATION GUIDE DETAIL IS ALSO SHOWN ON THIS SHEET

LOAD BEARING WALL ABOVE  
EXTRA JOIST ADDED  
EXTRA JOIST (1) UNDER WALL  
DOUBLE JOIST (2)  
TYPICAL BRICK WALL  
1 JOIST BRICKS PER WALL  
1 JOIST OR 1 JOIST WITH ROWS  
CONCENTRATED POINT LOAD FROM ABOVE  
DEEP BEAM  
FLUSH BEAM

THIS SHOP DRAWING IS BASED ON THE FOLLOWING

PROJECT LOCATION :	PROJECT NUMBER :	ARCHITECT DWG# BY :	DATE :
		ARCH LATEST REVISION :	
		CHECKED BY :	
		STRUCTURAL REVIEW BY :	

REV	BY	DATE / DESC.
SD	JDS	10/29/21

DESIGN DATA

LIVE 40 PSF  
DEAD 10 PSF  
TOTAL LOAD = 50 PSF

STRESS DURATION = 100%  
DEFLECTION CRITERIA : (L/480)

**Builders FirstSource**

1-800-451-7243  
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READ MANUFACTURER'S INSTALLATION GUIDE BEFORE INSTALLING. COORDINATE APPROVED GROUNDING WITH LOCAL ELECTRICAL CODES. ALWAYS USE THE LATEST MANUFACTURER'S INSTALLATION GUIDE FOR ALL PRODUCTS. THIS DRAWING IS THE PROPERTY OF BUILDERS FIRST SOURCE. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF BUILDERS FIRST SOURCE. BUILDERS FIRST SOURCE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS ARISING FROM THE USE OF THIS DRAWING. BUILDERS FIRST SOURCE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS ARISING FROM THE USE OF THIS DRAWING. BUILDERS FIRST SOURCE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS ARISING FROM THE USE OF THIS DRAWING.

BUILDER:	MATTAMY HOMES
MODEL:	REDWOOD
2ND FLOOR I-JOIST PLACEMENT PLAN	
DATE:	MONDAY, 6 DECEMBER 2021 - 8:01 PM
FILE:	I:\APEX\11\ACADDWG\MATTAMY HOMES\REDWOOD.DWG

DRAWN BY: NJH DATE: 12/6/21

SHEET: 1 OF 1 SHEETS

I-Joists	
12BCI 4500	= 12TJI 110
12BCI 5000	= 12TJI 210
14BCI 4500	= 14TJI 110
14BCI 5000	= 14TJI 210
14BCI 6000	= 14TJI 230
16BCI 5000	= 16TJI 210
16BCI 60	= 16TJI 360

POINT LOAD FROM ABOVE (P.L.F.A.)

P.L.F.A. USE SOLID BLOCKING TO TRANSFER LOAD FROM ABOVE TO FOUNDATION

DO NOT CUT ORANGE END  
NO CORTE EL COLOR NARANJA

"X" INDICATES ORANGE END  
"X" INDICAR EL COLOR NARANJA

