

**City of Portland, Maine – Building or Use Permit Application** 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8717

Location of Construction: 10 Belisade Rd		Owner: Ann Fontaine-Fisher	Phone: 774-7744	Permit No: <b>980961</b>
Owner Address: SAA	Lessee/Buyer's Name:	Phone:	BusinessName:	<div style="border: 2px solid black; padding: 5px; text-align: center;"> <b>PERMIT ISSUED</b>                  Permit Issued:                  AUG 28 1998  <b>CITY OF PORTLAND</b> </div>
Contractor Name: Winfield Libby	Address: 26 Drummond St Bath, ME	Phone: 443-9323		
Past Use:  1-fam	Proposed Use:  Same	<b>COST OF WORK:</b> \$ 50,000.00	<b>PERMIT FEE:</b> \$ 230.00	Zone: <b>R-5</b> CBL: 111-B-007 Zoning Approval: <i>ok with conditions 8/27/98</i> <b>Special Zone or Reviews!</b> <input type="checkbox"/> Shoreland <i>N/A</i> <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <i>zone C</i> <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/>
Proposed Project Description:  Demolish Existing (20 x 20) Garage & Construct New Garage with room about Plus 2 story connector & Porch		<b>FIRE DEPT.</b> <input type="checkbox"/> Approved <input type="checkbox"/> Denied	<b>INSPECTION:</b> Use Group: <i>5B</i> <i>200A961</i>	
		<b>PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)</b> Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied Signature: _____ Date: _____		
Permit Taken By:  UB	Date Applied For:  22 August 1998			

- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Call Owner When Ready

PERMIT ISSUED WITH REQUIREMENTS

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

SIGNATURE OF APPLICANT	ADDRESS:	DATE: 24 August 1998	PHONE:
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE			PHONE:

**Zoning Appeal**

Variance  
 Miscellaneous  
 Conditional Use  
 Interpretation  
 Approved  
 Denied

**Historic Preservation**

Not in District or Landmark  
 Does Not Require Review  
 Requires Review

**Action:**

Approved  
 Approved with Conditions  
 Denied

Date: \_\_\_\_\_ *S*

CEO DISTRICT 2

*KP ITR*

# HOW TO USE THESE TABLES

Attn: Peter B.

FISHER RES.  
10 Belmeade Rd.

1. Determine the live load deflection criteria (MINIMUM CRITERIA PER CODE - L/360 or IMPROVED PERFORMANCE SYSTEM - L/480) and locate the appropriate table.
2. Identify the loading condition (40 PSF LIVE LOAD / 10 PSF DEAD LOAD or 40 PSF LIVE LOAD / 20 PSF DEAD LOAD) and move to the appropriate section of the table.

3. Select the on-center spacing you prefer.
4. Scan down the column until you meet or exceed the span of your application.
5. Scan left in the row to locate the TJI® joist series and depth which satisfies your condition.

**GARAGE TRUSSES**

## MINIMUM CRITERIA PER CODE L/360 LIVE LOAD DEFLECTION

## IMPROVED PERFORMANCE SYSTEM L/480 LIVE LOAD DEFLECTION

DEPTH	TJI®/Pro™	40 PSF LIVE LOAD / 10 PSF DEAD LOAD 12 PSF DEAD LOAD AT TJI®/Pro™ 550			
		12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
9 1/2"	150	18'-8"	17'-1"	16'-2"	14'-11"
	250	19'-6"	17'-10"	16'-10"	15'-8"
11 1/8"	150	22'-3"	20'-4"	18'-10"	15'-0"
	250	23'-3"	21'-3"	20'-0"	18'-8"(2)
	350	24'-10"	22'-8"	21'-4"	19'-11"(2)
	550	28'-2"	25'-8"	24'-2"	22'-6"
13"	250	26'-5"	24'-1"	22'-8"(2)	18'-11"(2)
	350	28'-2"	25'-8"	24'-2"	21'-4"(2)
16"	550	32'-0"	29'-1"	27'-1"	25'-6"(1)
	250	29'-3"	26'-8"(2)	24'-8"(2)	18'-11"(2)
9 1/2"	150	18'-8"	16'-8"	15'-3"	12'-6"
	250	19'-6"	17'-10"	16'-6"	13'-5"
11 1/8"	150	22'-3"	20'-1"	15'-8"	12'-6"
	250	23'-3"	20'-11"(2)	19'-1"(2)	15'-9"(2)
	350	24'-10"	21'-11"(2)	20'-8"(2)	17'-9"(2)
	550	27'-0"	25'-4"	23'-11"	22'-3"(1)(2)
14"	250	28'-2"	23'-2"(2)	19'-9"(2)	15'-9"(2)
	350	28'-2"	25'-1"(2)	22'-2"(2)	17'-9"(2)
16"	550	31'-7"	28'-9"	27'-1"(1)(2)	22'-5"(1)(2)
	250	28'-11"(2)	23'-8"(2)	19'-9"(2)	15'-9"(2)
9 1/2"	150	16'-11"	15'-5"	14'-7"	12'-6"
	250	17'-8"	16'-1"	15'-2"	13'-5"
11 1/8"	150	20'-1"	18'-4"	15'-8"	12'-6"
	250	21'-0"	19'-2"	18'-1"(2)	15'-9"(2)
	350	22'-5"	20'-5"	19'-3"(2)	17'-9"(2)
	550	25'-6"	23'-2"	21'-10"	20'-3"(1)
14"	250	23'-10"	21'-9"(2)	19'-9"(2)	15'-9"(2)
	350	25'-6"	23'-2"(2)	21'-10"(2)	17'-9"(2)
16"	550	28'-11"	26'-3"	24'-9"	22'-5"(1)(2)
	250	26'-5"	23'-8"(2)	19'-9"(2)	15'-9"(2)
9 1/2"	150	18'-8"	17'-1"	16'-2"	14'-11"
	250	19'-6"	17'-10"	16'-10"	15'-8"
11 1/8"	150	22'-3"	20'-4"	18'-10"	15'-0"
	250	23'-3"	21'-3"	20'-0"	18'-8"(2)
	350	24'-10"	22'-8"	21'-4"	19'-11"(2)
	550	28'-2"	25'-8"	24'-2"	22'-6"
13"	250	26'-5"	24'-1"	22'-8"(2)	18'-11"(2)
	350	28'-2"	25'-8"	24'-2"	21'-4"(2)
16"	550	32'-0"	29'-1"	27'-1"	25'-6"(1)
	250	29'-3"	26'-8"(2)	24'-8"(2)	18'-11"(2)

DEPTH	TJI®/Pro™	40 PSF LIVE LOAD / 20 PSF DEAD LOAD 22 PSF DEAD LOAD AT TJI®/Pro™ 550			
		12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
9 1/2"	150	16'-11"	15'-5"	14'-7"	12'-6"
	250	17'-8"	16'-1"	15'-2"	13'-5"
11 1/8"	150	20'-1"	18'-4"	15'-8"	12'-6"
	250	21'-0"	19'-2"	18'-1"(2)	15'-9"(2)
	350	22'-5"	20'-5"	19'-3"(2)	17'-9"(2)
	550	25'-6"	23'-2"	21'-10"	20'-3"(1)
14"	250	23'-10"	21'-9"(2)	19'-9"(2)	15'-9"(2)
	350	25'-6"	23'-2"(2)	21'-10"(2)	17'-9"(2)
16"	550	28'-11"	26'-3"	24'-9"	22'-5"(1)(2)
	250	26'-5"	23'-8"(2)	19'-9"(2)	15'-9"(2)
9 1/2"	150	16'-11"	15'-5"	14'-7"	12'-6"
	250	17'-8"	16'-1"	15'-2"	13'-5"
11 1/8"	150	20'-1"	18'-4"	15'-8"	12'-6"
	250	21'-0"	19'-2"	18'-1"(2)	15'-9"(2)
	350	22'-5"	20'-5"	19'-3"(2)	17'-9"(2)
	550	25'-6"	23'-2"	21'-10"	20'-3"(1)
14"	250	23'-10"	21'-9"(2)	19'-9"(2)	15'-9"(2)
	350	25'-6"	23'-2"(2)	21'-10"(2)	17'-9"(2)
16"	550	28'-11"	26'-3"	24'-9"	22'-5"(1)(2)
	250	26'-5"	23'-8"(2)	19'-9"(2)	15'-9"(2)
9 1/2"	150	18'-8"	17'-1"	16'-2"	14'-11"
	250	19'-6"	17'-10"	16'-10"	15'-8"
11 1/8"	150	22'-3"	20'-4"	18'-10"	15'-0"
	250	23'-3"	21'-3"	20'-0"	18'-8"(2)
	350	24'-10"	22'-8"	21'-4"	19'-11"(2)
	550	28'-2"	25'-8"	24'-2"	22'-6"
13"	250	26'-5"	24'-1"	22'-8"(2)	18'-11"(2)
	350	28'-2"	25'-8"	24'-2"	21'-4"(2)
16"	550	32'-0"	29'-1"	27'-1"	25'-6"(1)
	250	29'-3"	26'-8"(2)	24'-8"(2)	18'-11"(2)

Long term deflection under dead load which includes the effect of creep, common to all wood members, has not been considered for any of the above applications. Shaded spans reflect initial dead load deflection exceeding 0.33", which may be unacceptable. For additional information, refer to our TJI-Beam™ or TJI-Xpert™ software or contact your Trus Joist MacMillan representative.

(1) Web stiffeners are required in hangers when the TJI®/Pro™ 550 joist span is greater than the spans shown in the following table:

TJI®/Pro™	40 PSF LIVE LOAD, 12 PSF DEAD LOAD				40 PSF LIVE LOAD, 22 PSF DEAD LOAD			
	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.
550	Not Required	Not Required	28'-8"	22'-11"	Not Required	29'-10"	24'-10"	19'-10"

(2) Web stiffeners are required at intermediate supports of continuous span joists in conditions where the intermediate bearing width is less than 5 1/4" and the span on either side of the intermediate bearing is greater than the spans shown in the following table:

TJI®/Pro™	40 PSF LIVE LOAD, 10 PSF DEAD LOAD*				40 PSF LIVE LOAD, 20 PSF DEAD LOAD**			
	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.
150	Web Stiffener Not Required				Web Stiffener Not Required			
250	Not Required	24'-3"	20'-2"	16'-1"	26'-11"	20'-2"	16'-9"	13'-5"
350	Not Required	27'-8"	23'-1"	18'-5"	30'-9"	23'-1"	19'-2"	15'-4"
550	Not Required				Not Required	26'-11"	21'-6"	

\*12 PSF Dead Load at TJI®/Pro™ 550 joists.  
\*\*22 PSF Dead Load at TJI®/Pro™ 550 joists.

### GENERAL NOTES

Tables are based on:

- Assumed composite action with a single layer of appropriate span-rated glue-nailed wood sheathing for deflection only (spans shall be reduced 5" when sheathing panels are nailed only).
- Uniformly loaded joists.
- Increase for repetitive member use has been included.
- Spans shown are clear distance between supports.
- Most restrictive of simple or multiple span.
- For loading conditions not shown, refer to PLF tables on page 11.

### WEB STIFFENER REQUIREMENTS

- Required if the sides of the hanger do not laterally support the TJI® joist top flange or per footnotes on pages 20 and 21.
- End Bearings: TJI®/Pro™ 150, 250 or 350 joists - not required.  
TJI®/Pro™ 550 joists - may be required in hangers (see footnote 1 above).
- Intermediate Bearings: Not required at intermediate bearing where joists are continuously spanned and the intermediate bearing is at least 5 1/4" wide. For intermediate supports less than 5 1/4" wide, web stiffeners may be required (see footnote 2 above).

