

PERMIT ISSUED

City of Portland, Maine - Building or Use Permit Application
389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 01-532	Issue Date: DEC 21 2001	CBL: 040 A014001
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Location of Construction: 52 Maple St	Owner Name: Green Brook Llc	Owner Address: 54 McNabb Circle CITY OF PORTLAND	Phone: 603-436-4256
Business Name:	Contractor Name: Beebe, Matthew	Contractor Address: 54 McNabb Circle Portsmouth	Phone: 6034364256
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Dwellings	Zone:

Past Use: Single Family	Proposed Use: Single Family	Permit Fee: \$30.00	Cost of Work: \$30.00	CEO District: 2
Proposed Project Description: Amendment to Permit # 01-0156		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied N/A	INSPECTION: Use Group: R3 Type: SB BOCA 1999 Signature: J Munson	

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)	
Action: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied	Signature: N/A Date:

Permit Taken By: gad	Date Applied For: 12/14/2001	Zoning Approval	
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<ol style="list-style-type: none"> 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.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: 12/21/01	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: 12/21/01	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: 12/21/01
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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 provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE



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| GYPSUM SHEATHING

G-P Gypsum produces a full line of sheathing products, from standard and fire-rated gypsum sheathing to Dens-Glass[®] Gold glass mat sheathing.

- [Dens-Glass Gold Gypsum Sheathing](#)
- [ToughRock Sheathing](#)
- [ToughRock 1/2" Fireguard C and ToughRock 5/8" Fireguard Sheathing - Treated Core](#)
- [5/8" Dens-Glass Gold Fireguard](#)

- Product Resources**
- [Sheathing MSDS](#)
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Dens-Glass Gold Gypsum Sheathing

Unique paperless exterior substrate panel for exterior walls, ceilings and soffits. Ideal for EIFS, brick and other exterior sheathing applications. Noncombustible with glass mat facings which are embedded into the treated core.

Dimensions			Edge						Standards		
TH	W	L	T	S	RE	B	T&G	DB	ASTM	FEDERAL	CSA
1/2"	4'	8',9',10'		¥					C 1177	-	-

ToughRock Sheathing

Use as sheathing in exterior construction. Resists moisture with water-repellent paper surfacing. Available with a treated core for additional water resistance. Not recommended for ceilings.

Dimensions			Edge						Standards		
TH	W	L	T	S	RE	B	T&G	DB	ASTM	FEDERAL	CSA
1/2"	4'	8',9'		¥					C 1396	SS-L-30d Type II Grade W	A82.27 M

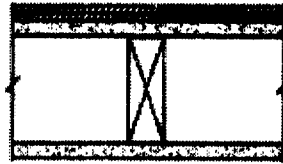
ToughRock 1/2" Fireguard C and ToughRock 5/8" Fireguard Sheathing - Treated Core

Exterior sheathing. When combined with ToughRock Fireguard[®] on interior, provides 1-hour fire-rated assembly.

Dimensions			Edge						Standards		
TH	W	L	T	S	RE	B	T&G	DB	ASTM	FEDERAL	CSA
5/8"	4'	8' std.		¥					C 79 Type C 1396	SS-L-30d Type II Grade W,X	A82.27 M
1/2"	4'	8' std.		¥			¥		C 79 Type	SS-L-30d Type II	A82.27 M

existing conditions

Fire Resistance			Sound Trans			
G-P System#	Fire Rating	Test Ref.	STC	Test Ref.	Part Thick.	Weight Per Sq. Ft.
501B	1 hr.	(UL) U309	-	-	Varies	7.0

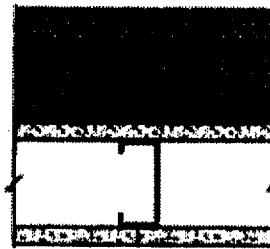


Exterior Side: One layer 48" wide 5/8" ToughRock Fireguard gypsum sheathing applied parallel to 2x4 wood studs with 1 3/4" galvanized roofing nails, 0.120" shank, 7/16" or 1/2" heads, 4" o.c. at vertical joints and 7"

o.c. at intermediate studs and top and bottom plates. Joints of gypsum sheathing may be left untreated. Exterior cladding to be attached through sheathing to studs. **Interior Side:** One layer 5/8" ToughRock Fireguard applied parallel or at right angles to studs with 6d coated nails, 1 7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. (LOAD-BEARING)

Fire Resistance			Sound Trans			
G-P System#	Fire Rating	Test Ref.	STC	Test Ref.	Part Thick.	Weight Per Sq. Ft.
501C	1 hr.	SWRI 01-4409-003	-	-	6"-7" Varies based on insul. thick.	7.0

Exterior Side: One layer 5/8" ToughRock Fireguard gypsum sheathing applied parallel to 3 5/8" 18-gauge steel studs 16" o.c. with #6x1 1/4" self-drilling, corrosion-resistant, bugle head, drywall screws 8" o.c. at edges and ends and 12" o.c. at intermediate studs. Proprietary



polymer modified exterior insulation and finish system applied over sheathing. 2" maximum foam-plastic thickness. **Interior Side:** One layer 5/8" ToughRock Fireguard applied parallel to studs with #6x1 1/4" self-drilling, bugle head drywall screws 8" o.c. at edges and ends and 12" o.c. at intermediate studs. (NON-LOAD-BEARING)

Fire Resistance			Sound Trans			
G-P System#	Fire Rating	Test Ref.	STC	Test Ref.	Part Thick.	Weight Per Sq. Ft.
501D	1 hr.	SWRI 01-4409-001	-	-	6"-7" Varies based on insul. thick.	7.0

BOISE CASCADE - BC CALC™ 2001 DESIGN REPORT - US

Friday, November 02, 2001 11:15



Single - 9 1/2" BCI 450

Job Name - MAGNUM CONST.
Address - 52 MAPLE ST.
City, State, Zip - PORTLAND, ME
Code Reports - ICBO 4665, NER 446

File Name: MAGNUM CONST.BCC
Customer
Specifier
Designer
Company:
Misc:

FLOOR JOIST

Table with columns: Standard, Load - 35 PSF, 20 PSF, OC Spacing 19.2". Includes member details for B0 and B1, and total horizontal length of 15-04-00.

General Data

Version: US Imperial
Member Type: - Joist
Number of Spans: - 1
Left Cantilever: - No
Right Cantilever: - No
Slope: 0/12
OC Spacing: 19.2"
Repetitive: Yes
Construction Type: Glued
Live Load: 35 PSF
Dead Load: 20 PSF
Part Load: 0 PSF
Duration: 100

Load Summary

Table with columns: ID, Description, Load Type, Ref., Start, End, Live, Dead, OCS, Dur. Row S Standard: Unf. Area Load, Left, 00-00-00, 15-04-00, 35 PSF, 20 PSF, 19.2", 100

Controls Summary

Table with columns: Control Type, Value, % Allowable, Duration, Loadcase, Span Location. Rows include Moment, End Reaction, Total Deflection, Live Deflection, Max. Def., and Span/Depth.

Bearing Supports

Table with columns: Name, Type, Dim. (L x W), Value, % Allowed, Case, Material. Rows B0 and B1: Wall/Plate, 2-1/2" x 1-3/4", 675 lbs, 36.3%, 2, Spruce-Pine-Fir

Disclosure

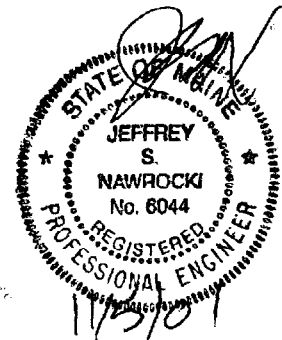
The completeness and accuracy of the input must be verified by anyone who would rely on the output as evidence of suitability for a particular application. The output above is based upon building code-accepted design properties and analysis methods.

NOTES:

- Design meets Code minimum (L/240) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum load deflection criteria.

Disclaimer: The supplier acknowledges that it has requested JSN Associates, Inc. to review a pre-engineered building product identified as above for the span and loading conditions shown on this calculation sheet. The supplier further acknowledges that JSN Associates, Inc. will not be responsible in any way for defects or deficiencies. Therefore, the supplier waves all claims against JSN Associates, Inc. arising in any way from any defects, deficiencies, errors or omissions in the load determination, design, fabrication or erection of said item.

Note: Adequate design of supporting structure must be provided by others.



Job	Truss	Truss Type	Qty	Ply	hllalid kce 72804q 11 30
215829	001	SCISSORS	12	1	(optional)
WOOD STRUCTURES, B DDEFORD, ME 04005, MITak Industries, Inc.			4 201 SR1 e Nov 16 2000 MITak Industries, Inc. Fr Dec 07 09:46 23 2001 Page 1		

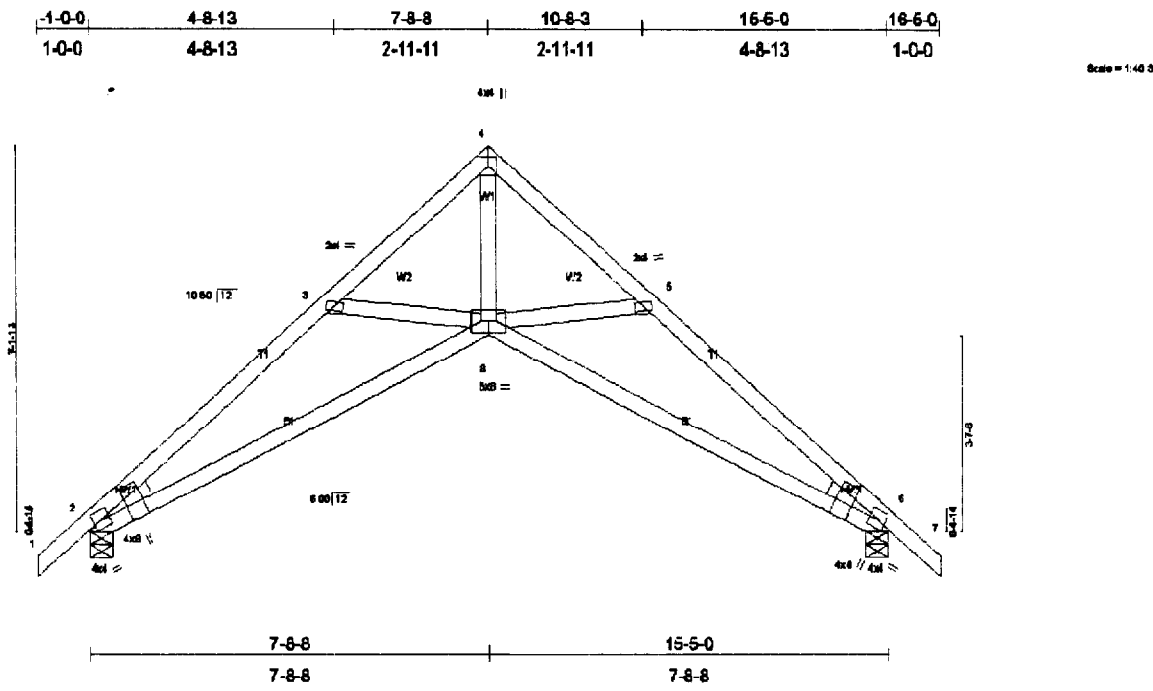


Plate Offsets (X,Y)	[2-0-1-8,Edge]	[2-0-10-1,Edge]	[6-0-1-8,Edge]	[6-0-10-1,Edge]
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LOADING (psf)	SPACING	CS	DEPL	PLATES	GRIP
TCLL 42.0	2-0-0	TC 0.33	in (loc) /def	M120	100/123
TCDL 10.0	Plates Increase 1.15	BC 0.56	Vert(LL) -0.11 6 >999		
BCLL 0.0	Lumber Increase 1.15	WB 0.91	Vert(TL) -0.20 6-8 >880		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.22 6 n/a	Weight 57 lb	
	Code BOCA/ANSI95		1st LC LL Min /def = 240		

LUMBER
 TOP CHORD 2 X 4 SPF No 2
 BOT CHORD 2 X 4 SPF No 2
 WEBS 2 X 4 SPF-S Stud
 WEDGE
 Left 2 X 4 SPF-S Stud, Right 2 X 4 SPF-S Stud

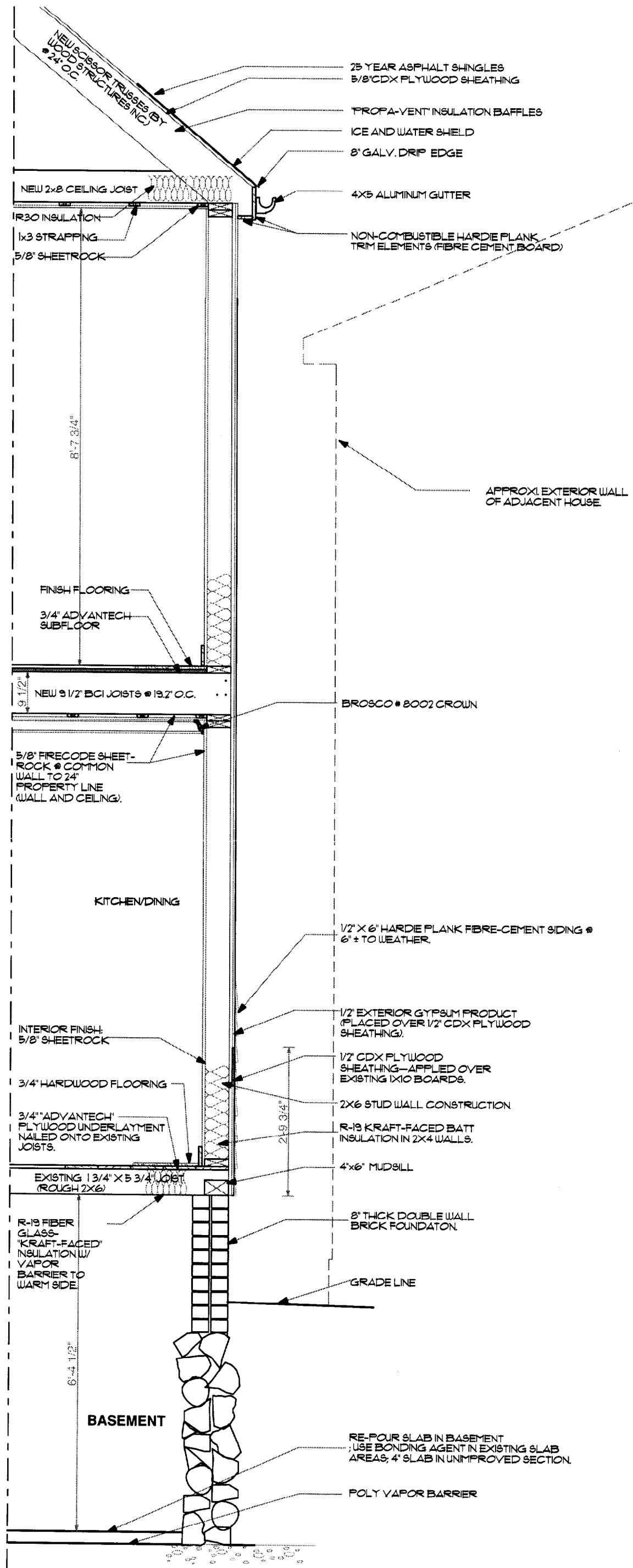
BRACING
 TOP CHORD Sheathed or 3-9-0 occurrins
 BOT CHORD Rigid ceiling directly applied or 10-0-0 occ bracing

REACTIONS (lb/size) 2=1055/0-5-8, 6=1055/0-5-8
 Max Horz 2=-253 (load case 2)
 Max Uplift 2=-107 (load case 4), 6=-107 (load case 4)

FORCES (lb) - F r= Load Case Only
 TOP CHORD 1-2=64, 2-3=2114, 3-4=1611, 4-5=1611, 5-6=2114, 6-7=64
 BOT CHORD 2-8=1625, 8-9=1625
 WEBS 4-8=1066, 3-6=299, 5-8=299

- NOTES**
- This truss has been checked for unbalanced loading conditions.
 - This truss has been designed for the wind loads generated by 90 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, 5 mi from hurricane oceanline, on an occupancy category 1, condition enclosed building, of dimensions 45 ft by 24 ft with exposure B ASCE 7-93 per BOCA/ANSI95. If end verticals exist, they are not exposed to wind. If cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DCL increase is 1.33, and the plate grip increase is 1.33.
 - Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 2 and 107 lb uplift at joint 6.
 - This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard



<p>Matthew D. Beebe L.L.C. 54 McNabb Court Portsmouth, N.H. 03801 603•436•4256</p>	<p>renovation to the MAPLE STREET HOUSE 52 Maple Street Portland, Maine</p>	<p>TITLE WALL SECTION @ NARROW PROP. LINE DATE REVISED 12•2•01 1/2"=1'-0"</p>	<p>A7</p>
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