

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

Location of Construction: 11 Cambridge St		Owner: Herbert D. Cail		Phone: 878-5702		Permit No: 990221	
Owner Address: SAA		Lessee/Buyer's Name:		Phone:		Business Name:	
Contractor Name: John Swiger		Address: P.O. Box 8285 Ptld 04104		Phone: **797-2882		<div style="border: 2px solid black; padding: 5px; text-align: center;"> PERMIT ISSUED MAR 17 1999 CITY OF PORTLAND </div>	
Past Use: Single Family		Proposed Use: Same w/detached garage		COST OF WORK: \$ 6,000 PERMIT FEE: \$ 50.00			
Proposed Project Description: Construct detached garage		FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied Signature:		INSPECTION: Use Group: U Type: 5B Signature: <i>[Signature]</i>		Zone/ CBL: R-5/IL 151A-A-010411	
				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/> Signature: Date:		Zoning Approval: 3/16/99 Special Zone of Reviews: <input type="checkbox"/> Shoreland MA <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"/> 99174	
Permit Taken By: SP		Date Applied For: March 15, 1999				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	

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. 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 797-2882 for p/u

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

March 15, 1999

SIGNATURE OF APPLICANT ADDRESS: DATE: PHONE:

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE PHONE:

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

Historic Preservation
 Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:
 Approved
 Approved with Conditions
 Denied

Date:

CEO DISTRICT 2

COMMENTS

6/18/99 - Checked framing w/owner - need proper headers over doors, need cross studs. Mostly framed - went over w/owner.

	Type	Inspection Record	Date
Foundation:	_____	_____	_____
Framing:	_____	_____	_____
Plumbing:	_____	_____	_____
Final:	_____	_____	_____
Other:	_____	_____	_____


THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

**Building or Use Permit Pre-Application
Additions/Alterations/Accessory Structures
To Detached Single Family Dwelling**

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

NOTEIf you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.**

Location/Address of Construction: 11 Cambridge St.

Tax Assessor's Chart, Block & Lot Number Chart# <u>151A</u> Block# <u>A</u> Lot# <u>010</u>		Owner: <u>Herbert D. Cail</u>	Telephone#: <u>207-878-5702</u>
Owner's Address: <u>- Same -</u>		Lessee/Buyer's Name (If Applicable) <u>- N/A -</u>	Cost Of Work. Fee <u>\$6000.00</u> <u>\$50</u>
Proposed Project Description: (Please be as specific as possible) <u>Build Two car Garage at 11 Cambridge St. size 26' x 26'</u>			
Contractor's Name, Address & Telephone <u>John J. Swiger P.O. Box 8285 Portland Me. 04104</u>		Tel: <u>797-2882</u>	Rec'd By: 

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code.

You must Include the following with you application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement - YES
- 2) A Copy of your Construction Contract, if available - NONE at this time
- 3) A Plot Plan (Sample Attached) - YES

If there is expansion to the structure, a complete plot plan (Site Plan) must include:

- The shape and dimension of the lot, all existing buildings (if any), the proposed structure and the distance from the actual property lines. Structures include decks porches, a bow windows cantilever sections and roof overhangs as well as, sheds, pools, garages and any other accessory structures.
- Scale and required zoning district setbacks

4) Building Plans (Sample Attached)

A complete set of construction drawings showing all of the following elements of construction:

- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

Certification

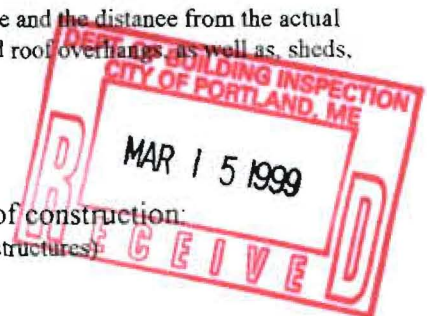
I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition,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

Signature of applicant: Herbert Cail Date: 03-12-99

Building Permit Fee: \$25.00 for the 1st \$1000 cost plus \$5.00 per \$1,000.00 construction cost thereafter.

Q:\INSP\CORRESP\MNUAGENT\APADSFD.WPD

Call for P/C 797-2882



BUILDING PERMIT REPORT

DATE: 17/mar/99 ADDRESS: 11 Cambridge ST. CBL: 151A-A-010-s-011

REASON FOR PERMIT: TO Construct a detached garage.

BUILDING OWNER: Herbert D. Coil

PERMIT APPLICANT: ↑

USE GROUP U BOCA 1996 CONSTRUCTION TYPE 5B

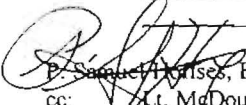
CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions are met:

Approved with the following conditions: *1, *2, *4, *6, *27, *29, *32, *34, *35 *

- X 1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
- X 2. Before concrete for foundation is placed, approvals from the ~~Development Review Coordinator~~ and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
- 3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
- X 4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' o.c. between bolts. (Section 2305.17)
- 5. Waterproofing and damp proofing shall be done in accordance with Section 1813.0 of the building code.
- X 6. Precaution must be taken to protect concrete from freezing. Section 1908.0
- 7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
- 8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1996)
- 9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
- 10. Sound transmission control in residential building shall be done in accordance with Chapter 12. Section 1214.0 of the City's Building Code.
- 11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2, M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. (Handrails shall be a minimum of 3e4" but not more than 38". Use Group R-3 shall not be less than 30", but not more than 38".) Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0) - Handrails shall be on both sides of stairway. (Section 1014.7)
- 12. Headroom in habitable space is a minimum of 76". (Section 1204.0)
- 13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/2" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
- 14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (68") 1014.4
- 15. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1018.6)
- 16. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
- 17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours.) (Section 710.0)

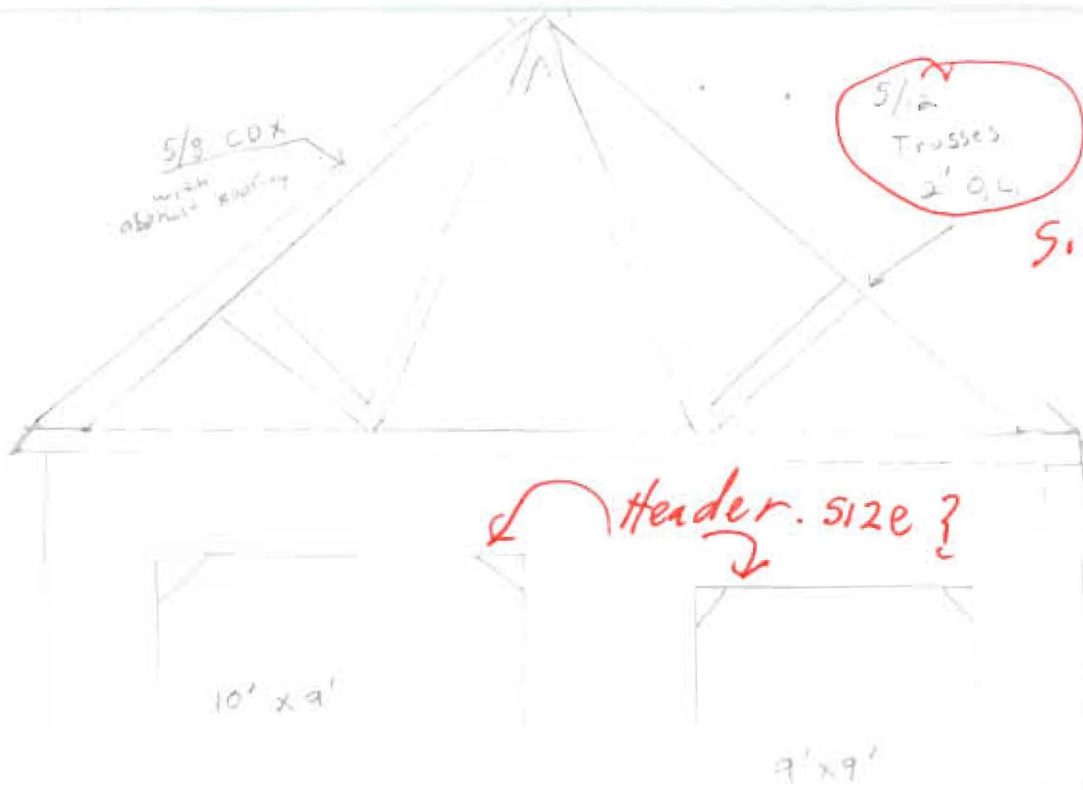
- 18. The boiler shall be protected by enclosing with (1)hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)
- 19. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements
 In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required) Section 920.3.2.
- 20. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
- 21. The Fire Alarm System shall maintained to NFPA #72 Standard.
- 22. The Sprinkler System shall maintained to NFPA #13 Standard.
- 23. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1996)
- 24. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
- 25. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
- 26. Ventilation shall meet the requirements of Chapter 12 Sections 1210.0 of the City's Building Code. (Crawl spaces & attics).
- *27. All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
- 28. All requirements must be met before a final Certificate of Occupancy is issued.
- *29. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (the BOCA National Building Code/1996).
- 30. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical Code (The BOCA National Mechanical Code/1993). (Chapter M-16)
- 31. Please read and implement the attached Land Use Zoning report requirements.
- *32. Boring, cutting and notching shall be done in accordance with Sections 2305.4.4, 2305.5.1 and 2305.5.3 of the City's Building Code.
- 33. Glass and glazing shall meet the requirements of Chapter 24 of the building code.
- *34. IF The proposed Trusses are not Prefabricated a design professional must stamp the design of the trusses
- *35. The 6" Concrete block must be anchored to the slab and the 2x6" sill.
- 36.


 P. Samuel Haines, Building Inspector
 cc: Lt. McDougall, PFD
 Marge Schmuckal, Zoning Administrator

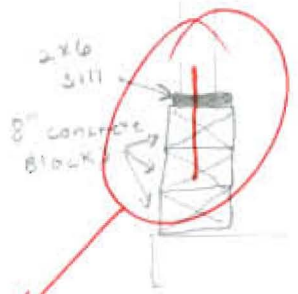
PSH 12-14-98

* **On the basis of plans submitted and conditions placed on these plans any deviations shall require a separate approval.

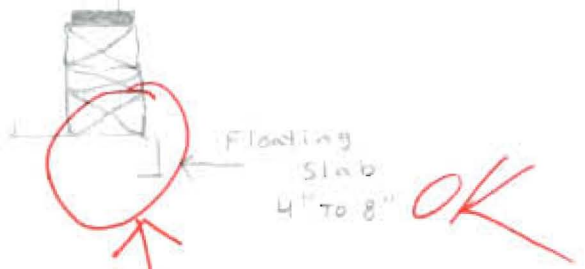
Not to Scale



1/2 CDX Sheathing and Vinyl Siding



Anchor.

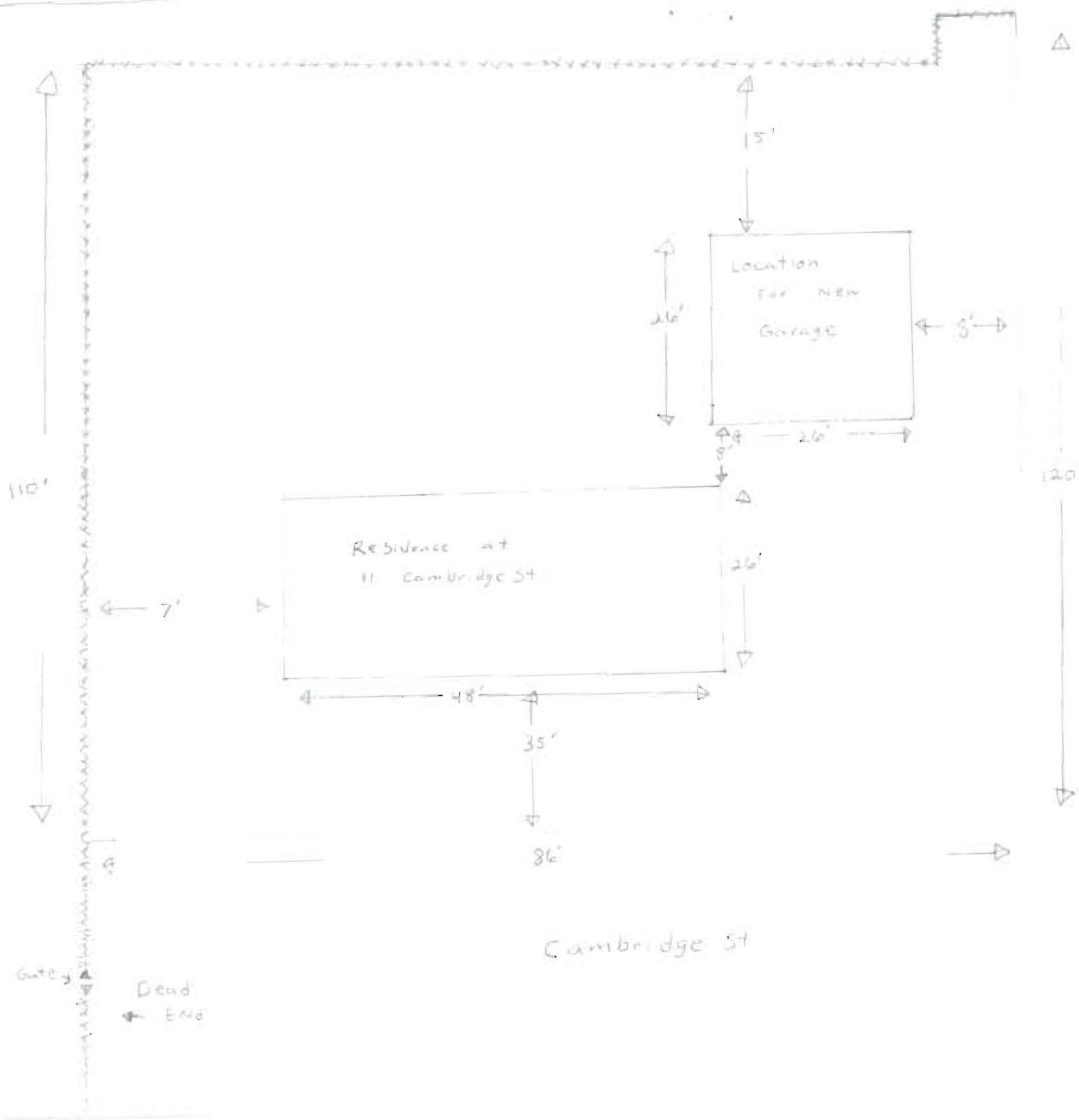


Anchor.

S.M.

Garage at 11 Cambridge St

Not To Scale



R-5 Zone

15' shown
rear yd - 20' req - 15' Allowed
Note: using Section 14-433
using 5' relief in rear
AS Allowed - see
attached explanation
rear yd - 8' req - 8' shown

OK

Hi.

TAMMY

6/30/99

I Hope this is
what you needed.

If Not Just call again
and I will see what I can
Find out. (This is all I
recieved From wood structures)

The pitch is a standard 5/12

This is From John J. Swiger
at 11 Cambridge St.

Garage.

Tel: 797-2882

Thanks,
/

PLATE ARE

IMPORTANT

TRUSSES WITH LIKE LABELING SHOULD BE SET SO CARDS ARE ON SAME SIDE OF BLDG.

WOOD STRUCTURES, INC
Biddeford, Maine

WS8087568



M265GE

033

TPI
INSPECTED


WSI




DO NOT
CUT OR ALTER



 This safety alert symbol is used to attract your attention! **PERSONAL SAFETY IS INVOLVED!** When you see this symbol - **BECOME ALERT - HEED ITS MESSAGE.**

 **DANGER:** A DANGER designates a condition where failure to follow instructions or heed warning will most likely result in serious personal injury or death or damage to structures.

 **CAUTION:** A CAUTION identifies safe operating practices or indicates unsafe conditions that could result in personal injury or damage to structures.

 **WARNING:** A WARNING describes a condition where failure to follow instructions could result in severe personal injury or damage to structures.


HIB-91 Summary Sheet


COMMENTARY and RECOMMENDATIONS for
HANDLING, INSTALLING & BRACING METAL
PLATE CONNECTED WOOD TRUSSES ©



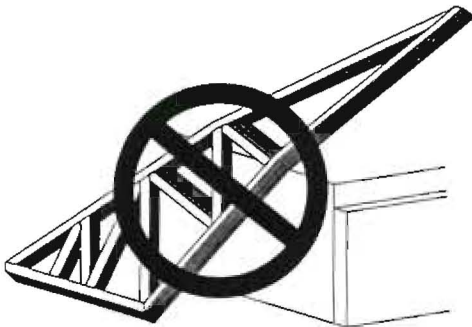
It is the responsibility of the installer (builder, building contractor, licensed contractor, erector or erection contractor) to properly receive, unload, store, handle, install and brace metal plate connected wood trusses to protect life and property. The installer must exercise the same high degree of safety awareness as with any other structural material. TPI does not intend these recommendations to be interpreted as superior to the project Architect's or Engineer's design specification for handling, installing and bracing wood trusses for a particular roof or floor. These recommendations are based upon the collective experience of leading technical personnel in the wood


truss industry, but must, due to the nature of responsibilities involved, be presented as a guide for the use of a qualified building designer or installer. Thus, the Truss Plate Institute, Inc. expressly disclaims any responsibility for damages arising from the use, application or reliance on the recommendations and information contained herein by building designers, installers, and others. Copyright © by Truss Plate Institute, Inc. All rights reserved. This document or any part thereof must not be reproduced in any form without written permission of the publisher. Printed in the United States of America.

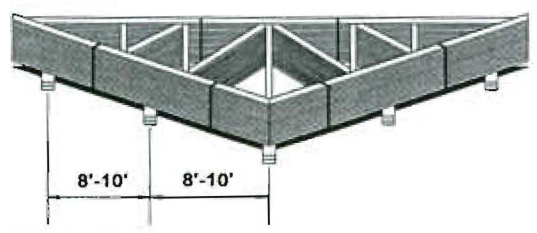
 **CAUTION:** The builder, building contractor, licensed contractor, erector or erection contractor is advised to obtain and read the entire booklet "Commentary and Recommendations for Handling, Installing & Bracing Metal Plate Connected Wood Trusses, HIB-91" from the Truss Plate Institute.

 **CAUTION:** All temporary bracing should be no less than 2x4 grade marked lumber. All connections should be made with minimum of 2-16d nails. All trusses assumed 2' on-center or less. All multi-ply trusses should be connected together in accordance with design drawings prior to installation.

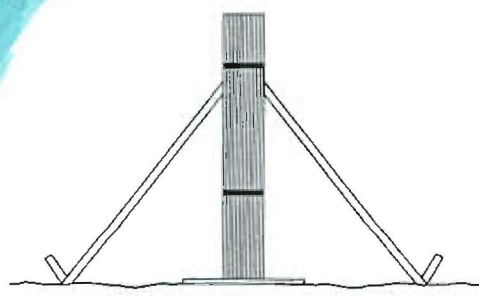
TRUSS STORAGE




 **CAUTION:** Trusses should not be unloaded on rough terrain or uneven surfaces which could cause damage to the truss.





151A-A-10




 **CAUTION:** Trusses stored horizontally should be supported on blocking to prevent excessive lateral bending and lessen moisture gain.

 **CAUTION:** Trusses stored vertically should be braced to prevent toppling or tipping.

 **WARNING:** Do not break banding until installation begins. Care should be exercised in banding removal to avoid shifting of individual trusses.

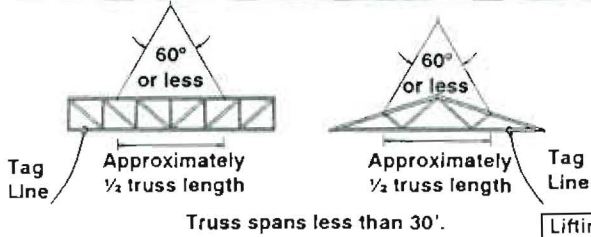
 **DANGER:** Do not store bundles upright unless properly braced. Do not break bands until bundles are placed in a stable horizontal position.

 **WARNING:** Do not lift bundled trusses by the bands. Do not use damaged trusses.

 **DANGER:** Walking on trusses which are lying flat is extremely dangerous and should be strictly prohibited.

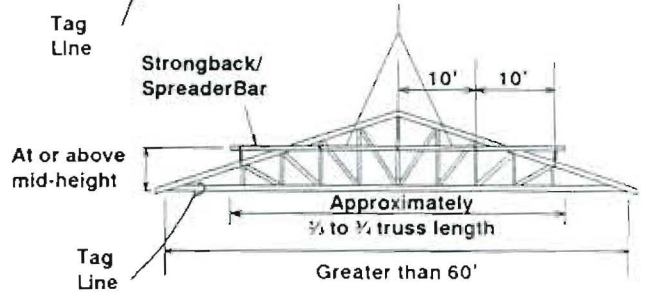
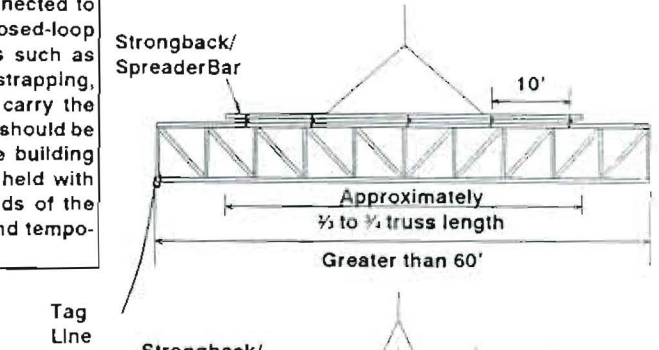
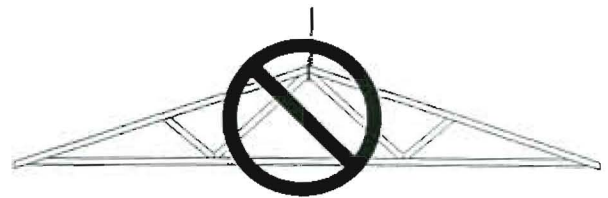
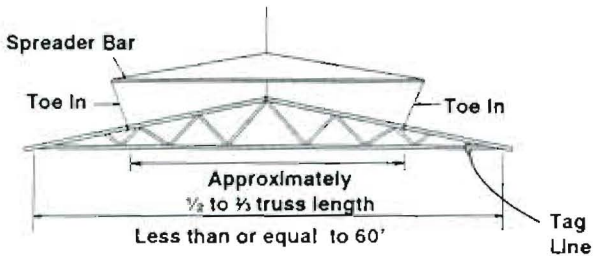
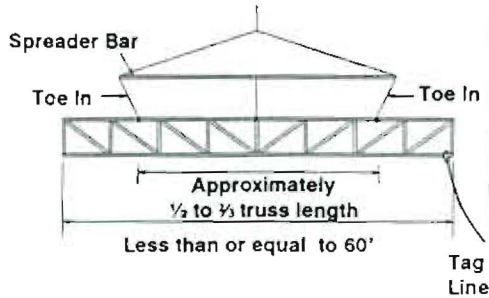
WARNING: Do not attach cables, chains, or hooks to the web members.

WARNING: Do not lift single trusses with spans greater than 30' by the peak.



MECHANICAL INSTALLATION

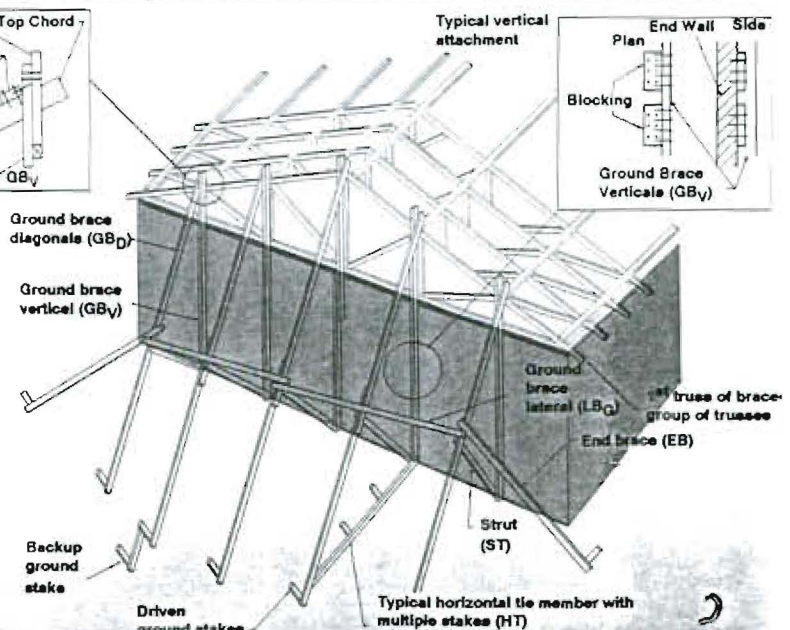
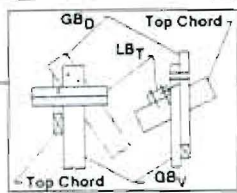
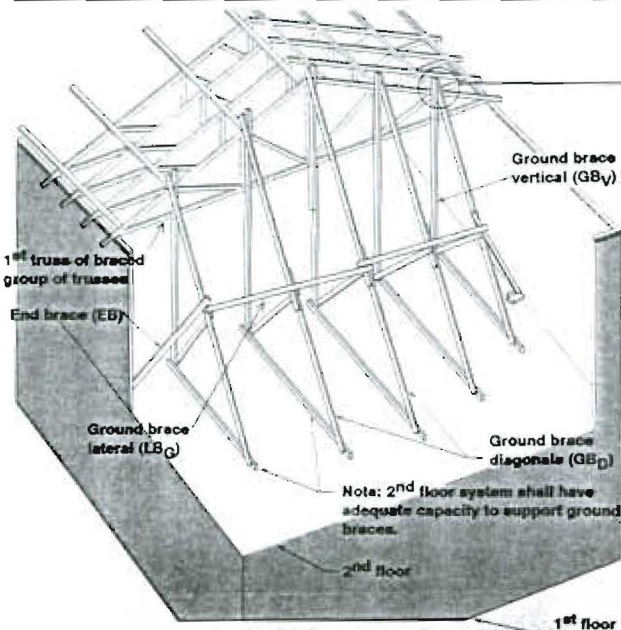
Lifting devices should be connected to the truss top chord with a closed-loop attachment utilizing materials such as slings, chains, cables, nylon strapping, etc. of sufficient strength to carry the weight of the truss. Each truss should be set in proper position per the building designer's framing plan and held with the lifting device until the ends of the truss are securely fastened and temporary bracing is installed.



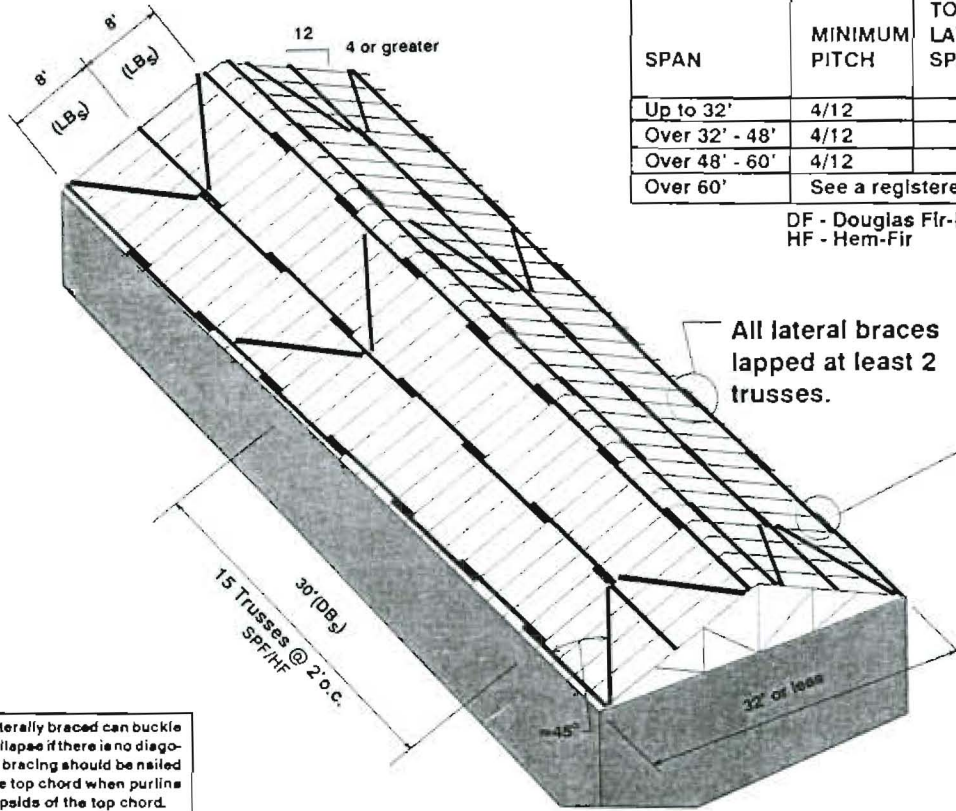
CAUTION: Temporary bracing shown in this summary sheet is adequate for the installation of trusses with similar configurations. Consult a registered professional engineer if a different bracing arrangement is desired. The engineer may design bracing in accordance with TPI's *Recommended Design Specification for Temporary Bracing of Metal Plate Connected Wood Trusses, DSB-89*, and in some cases determine that a wider spacing is possible.

GROUND BRACING: BUILDING INTERIOR

GROUND BRACING: BUILDING EXTERIOR



CAUTION: Ground bracing required for all installations.

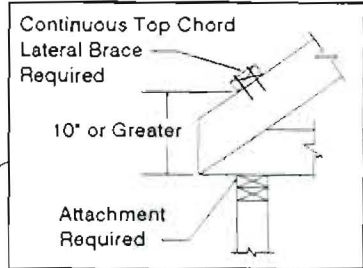


SPAN	MINIMUM PITCH	TOP CHORD LATERAL BRACE SPACING (LB _s)	TOP CHORD DIAGONAL BRACE SPACING (DB _s) [# trusses]	
			SP/DF	SPF/HF
Up to 32'	4/12	8'	20	15
Over 32' - 48'	4/12	6'	10	7
Over 48' - 60'	4/12	5'	6	4
Over 60'	See a registered professional engineer			

DF - Douglas Fir-Larch
HF - Hem-Fir

SP - Southern Pine
SPF - Spruce-Pine-Fir

All lateral braces lapped at least 2 trusses.



Top chords that are laterally braced can buckle together and cause collapse if there is no diagonal bracing. Diagonal bracing should be nailed to the underside of the top chord when purlins are attached to the topside of the top chord.

PITCHED TRUSS



WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.

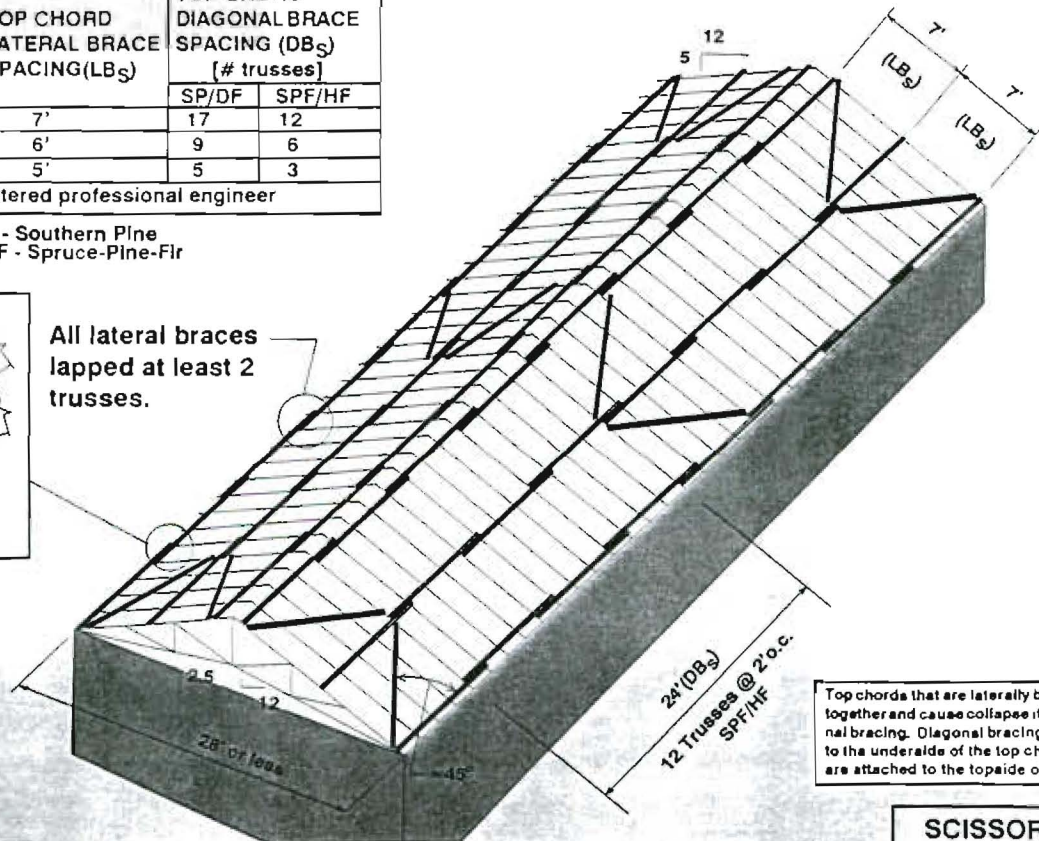
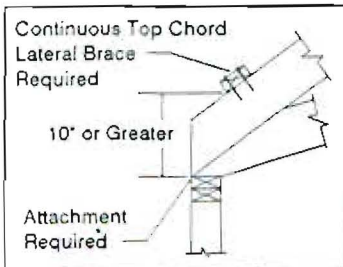


SPAN	MINIMUM PITCH DIFFERENCE	TOP CHORD LATERAL BRACE SPACING (LB _s)	TOP CHORD DIAGONAL BRACE SPACING (DB _s) [# trusses]	
			SP/DF	SPF/HF
Up to 28'	2.5	7'	17	12
Over 28' - 42'	3.0	6'	9	6
Over 42' - 60'	3.0	5'	5	3
Over 60'	See a registered professional engineer			

DF - Douglas Fir-Larch
HF - Hem-Fir

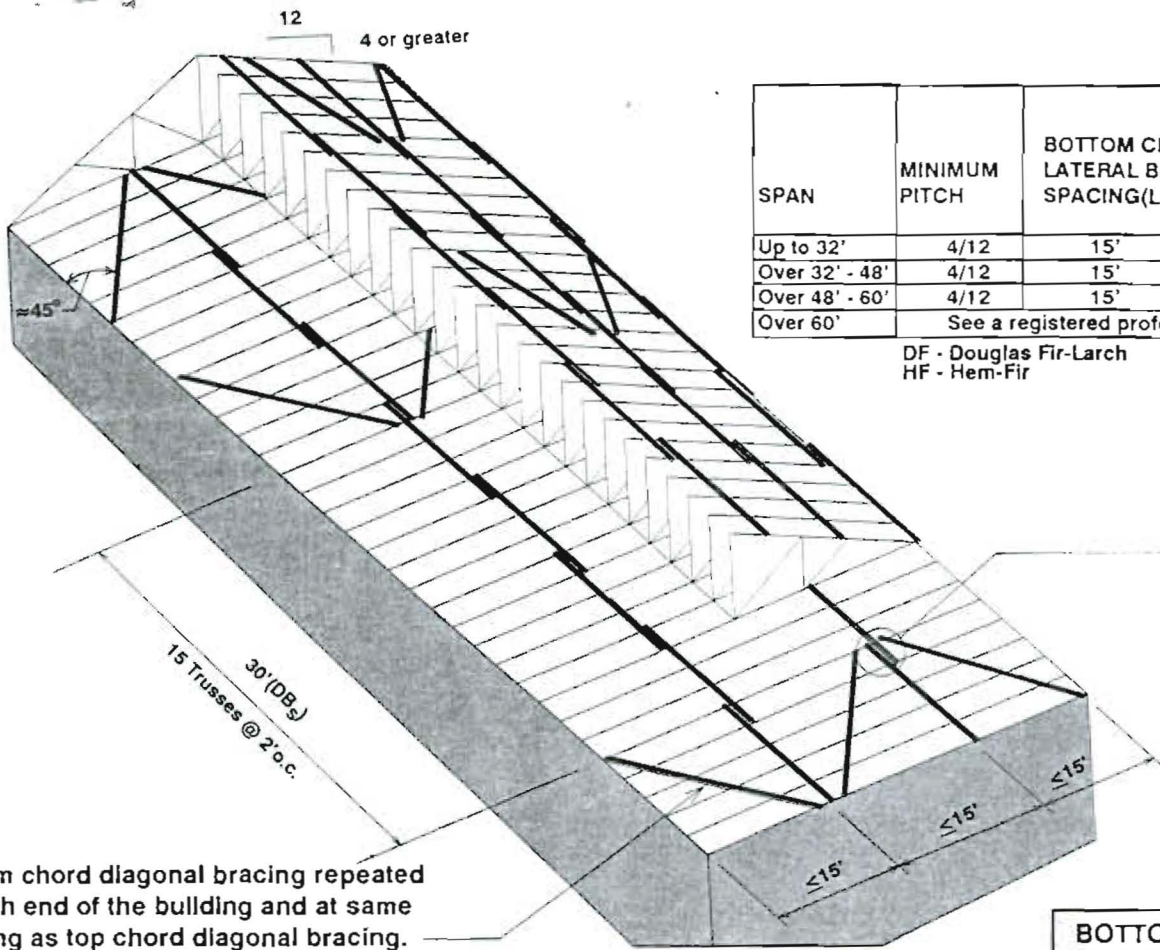
SP - Southern Pine
SPF - Spruce-Pine-Fir

All lateral braces lapped at least 2 trusses.



Top chords that are laterally braced can buckle together and cause collapse if there is no diagonal bracing. Diagonal bracing should be nailed to the underside of the top chord when purlins are attached to the topside of the top chord.

SCISSORS TRUSS



SPAN	MINIMUM PITCH	BOTTOM CHORD LATERAL BRACE SPACING (LB _S)	BOTTOM CHORD DIAGONAL BRACE SPACING (DB _S) [# trusses]	
			SP/DF	SPF/HF
Up to 32'	4/12	15'	20	15
Over 32' - 48'	4/12	15'	10	7
Over 48' - 60'	4/12	15'	6	4
Over 60'	See a registered professional engineer			

DF - Douglas Fir-Larch
HF - Hem-Fir

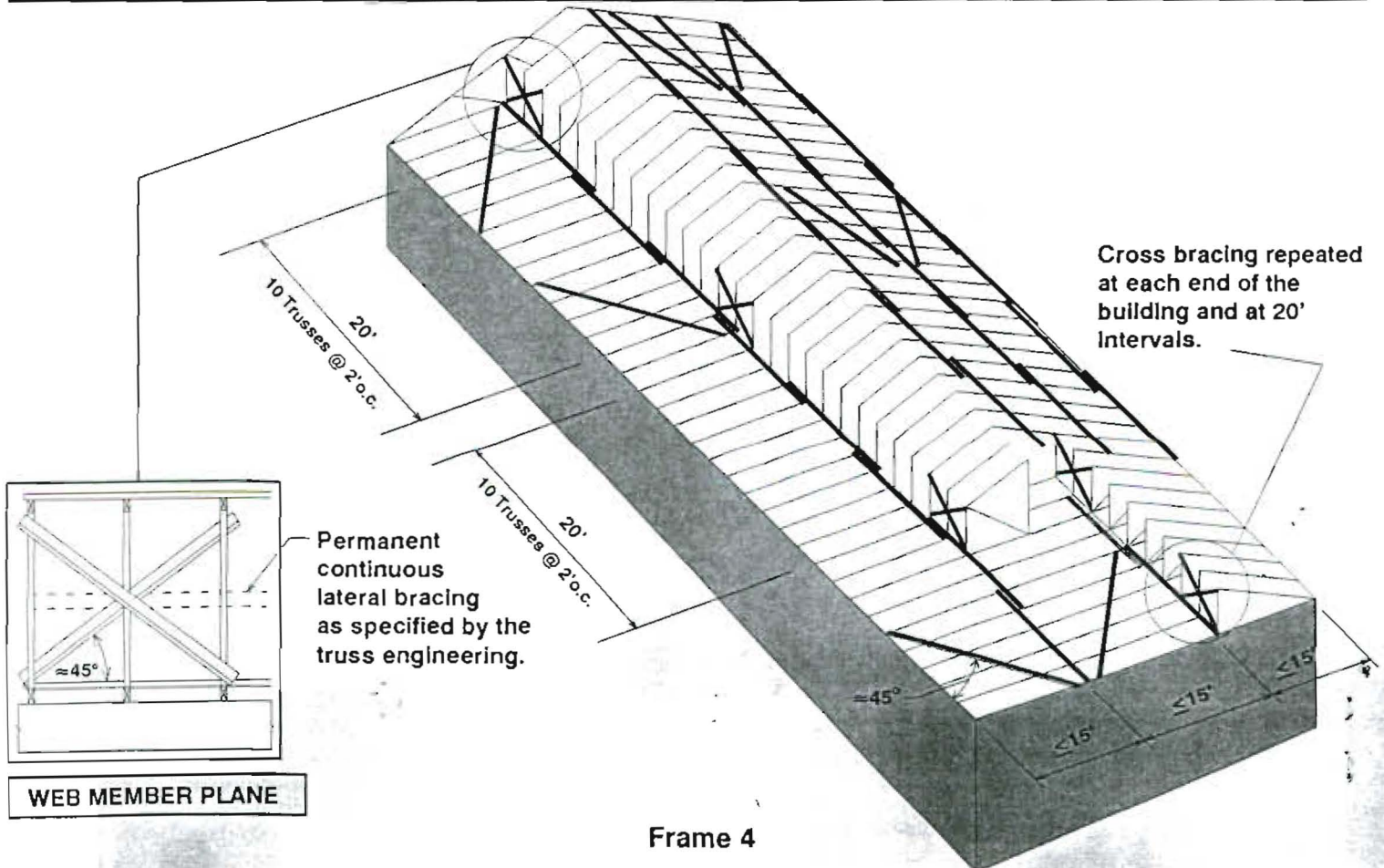
SP - Southern Pine
SPF - Spruce-Pine-Fir

All lateral braces lapped at least 2 trusses.

Bottom chord diagonal bracing repeated at each end of the building and at same spacing as top chord diagonal bracing.

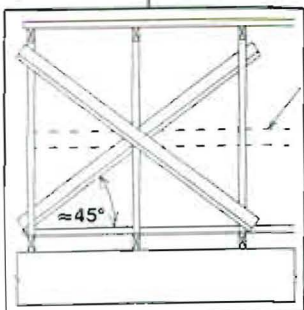
BOTTOM CHORD PLANE

WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.



Cross bracing repeated at each end of the building and at 20' intervals.

Permanent continuous lateral bracing as specified by the truss engineering.



WEB MEMBER PLANE

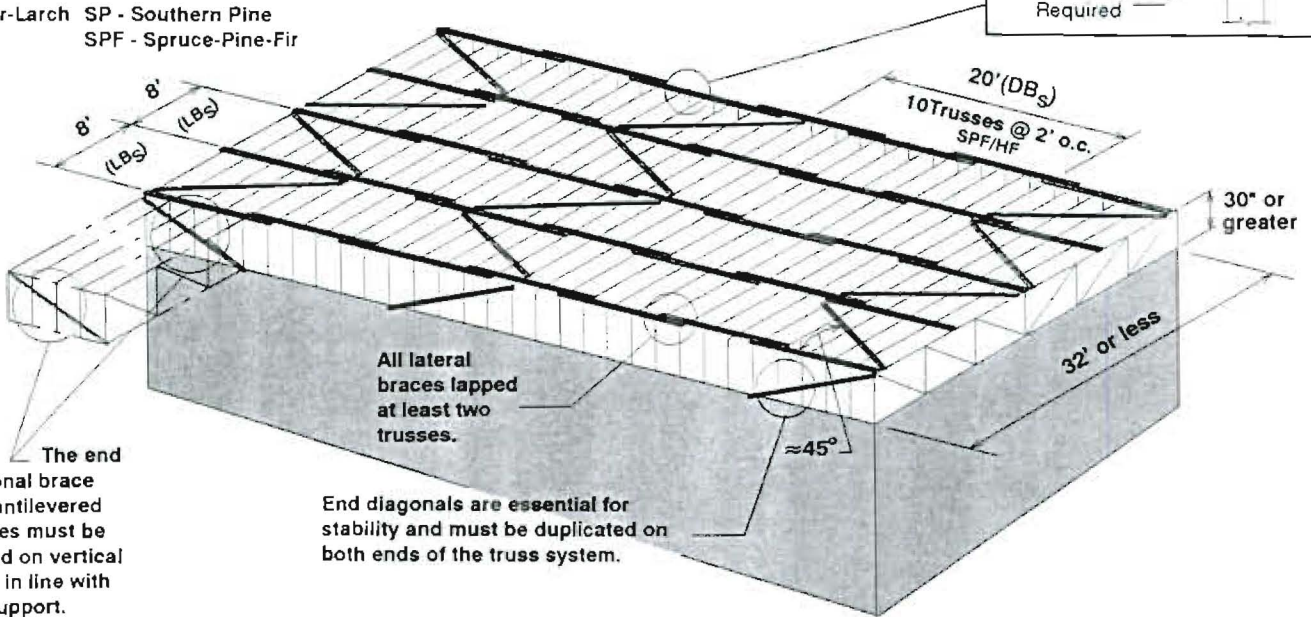
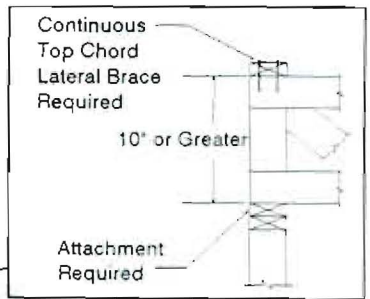
Frame 4

SPAN	MINIMUM DEPTH	TOP CHORD LATERAL BRACE SPACING (LB _s)	TOP CHORD DIAGONAL BRACE SPACING (DB _s) [# trusses]	
			SP/DF	SPF/HF
Up to 32'	30"	8'	16	10
Over 32' - 48'	42"	6'	6	4
Over 48' - 60'	48"	5'	4	2
Over 60'	See a registered professional engineer			

DF - Douglas Fir-Larch SP - Southern Pine
 HF - Hem-Fir SPF - Spruce-Pine-Fir

2x4/2x6 PARALLEL CHORD TRUSS

Top chords that are laterally braced can buckle together and cause collapse if there is no diagonal bracing. Diagonal bracing should be nailed to the underside of the top chord when purlins are attached to the topside of the top chord.

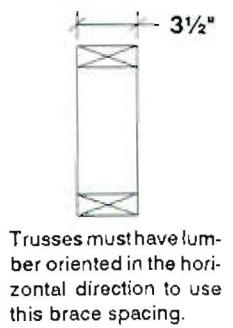
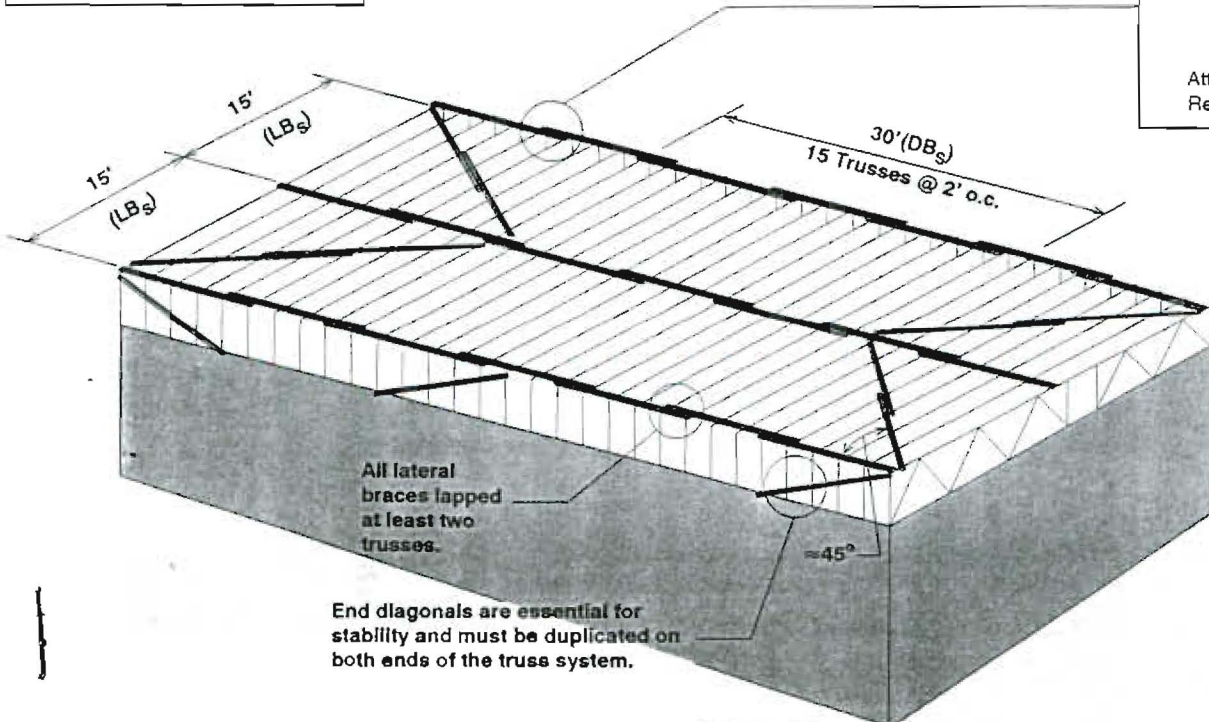
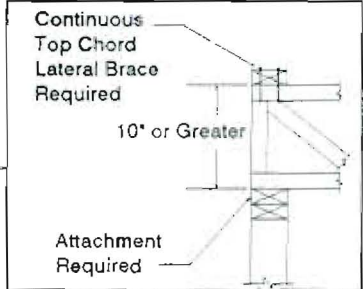


The end diagonal brace for cantilevered trusses must be placed on vertical webs in line with the support.

WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.

4x2 PARALLEL CHORD TRUSS: TOP CHORD

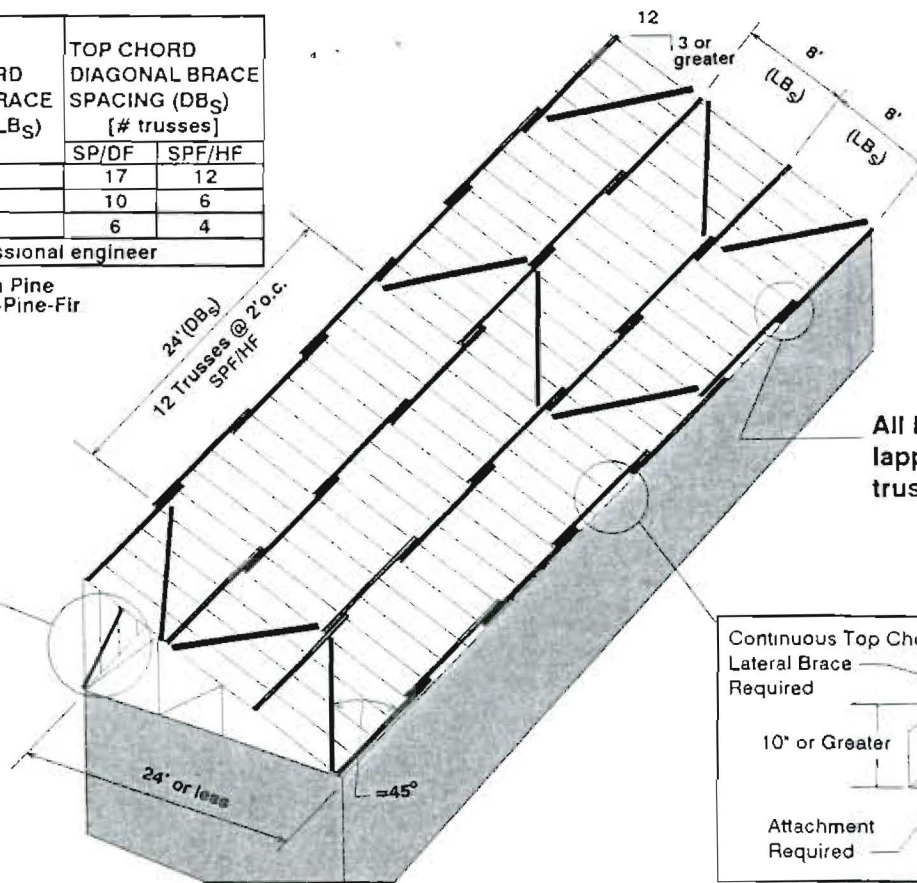
Top chords that are laterally braced can buckle together and cause collapse if there is no diagonal bracing. Diagonal bracing should be nailed to the underside of the top chord when purlins are attached to the topside of the top chord.



SPAN	MINIMUM PITCH	TOP CHORD LATERAL BRACE SPACING (LB _S)	TOP CHORD DIAGONAL BRACE SPACING (DB _S) [# trusses]	
			SP/DF	SPF/HF
Up to 24'	3/12	8'	17	12
Over 24' - 42'	3/12	7'	10	6
Over 42' - 54'	3/12	6'	6	4
Over 54'	See a registered professional engineer			

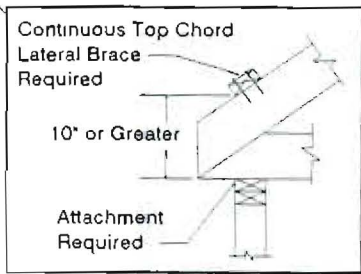
DF - Douglas Fir-Larch
HF - Hem-Fir

SP - Southern Pine
SPF - Spruce-Pine-Fir



Diagonal brace also required on end verticals.

Top chords that are laterally braced can buckle together and cause collapse if there is no diagonal bracing. Diagonal bracing should be nailed to the underside of the top chord when purlins are attached to the top side of the top chord.



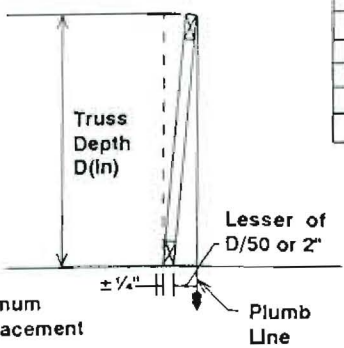
MONO TRUSS

WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.

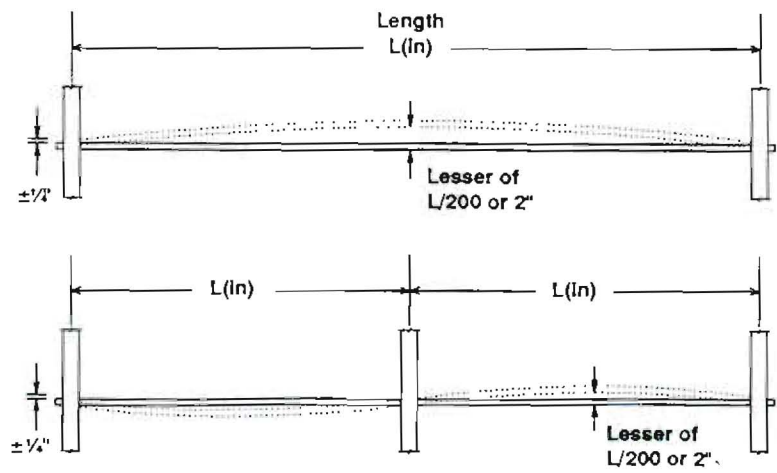
INSTALLATION TOLERANCES

PLUMB

D(in)	D/50	D(ft)
12"	1/4"	1'
24"	1/2"	2'
36"	3/4"	3'
48"	1"	4'
60"	1-1/4"	5'
72"	1-1/2"	6'
84"	1-3/4"	7'
96"	2"	8'
108"	2"	9'



BOW



L(in)	L/200	L(ft)
50"	1/4"	4.2'
100"	1/2"	8.3'
150"	3/4"	12.5'

L(in)	L/200	L(ft)
200"	1"	16.7'
250"	1-1/4"	20.8'
300"	1-1/2"	25.0'

OUT-OF-PLUMB INSTALLATION TOLERANCES.

OUT-OF-PLANE INSTALLATION TOLERANCES.

WARNING: Do not cut trusses.

DANGER: Under no circumstances should construction loads of any description be placed on unbraced trusses.