

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0504257

Insp Area: 2

Thos Bros: 336G2

Site Address: 419 NASCA WY SAC

Parcel No: 031-0780-008

Sub-Type: NGAR

Housing (Y/N): N

CONTRACTOR

OWNER

MARKUSON RICHARD H/GWEN I
419 NASCA WY
SACRAMENTO, CA 95831

ARCHITECT

Nature of Work: NEW DETACHED GARAGE 308 SQ.FT

CONSTRUCTION LENDING AGENCY : I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class _____ License Number _____ Date _____ Contractor Signature _____

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

I am exempt under Sec. _____ B & PC for this reason: _____

Date 4-22-05 Signature Gwen Markuson

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and herby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 4-22-05 Applicant/Agent Signature Gwen Markuson

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____ Exp Date _____

(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 4-22-05 Applicant Signature Gwen Markuson

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.



**CITY OF SACRAMENTO
DEVELOPMENT SERVICES DEPARTMENT
BUILDING DIVISION**

North Permit Center
2101 Arena Blvd., Suite 200
Sacramento, CA 95834
Inspection: (916) 808-4677

OWNER BUILDER VERIFICATION

1. Check one below - I or my immediate family (parent, spouse, or child) will perform:

- A - all the work authorized by this permit.
- B - a portion of the work.
- C - none of the work.

If B or C is checked, complete 2 or 3 below.

2. A State licensed contractor (*) will be hired to do:

- all of the authorized work.
- a portion of the authorized work.

Name To be determined Phone _____
Address _____
Type of Work _____

Name _____ Phone _____
Address _____
Type of Work _____

Name _____ Phone _____
Address _____
Type of Work _____

Name _____ Phone _____
Address _____
Type of Work _____

3. I will utilize unlicensed person(s) other than my immediate family to perform all or portions of the authorized work. A Certificate of Workers Compensation must be on file at this office.

I declare under penalty of perjury that the above is true and correct. I have read and understand the owner-builder information on the reverse side of this form.

Signed: Property Owner Gwen Markuson
Date 4-22-05 Case No. _____ Permit No. 0504257
Job Address 419 Wasca Way Sacto. CA 95831

Note: * Information regarding unknown contractors or change in subcontractors shall be submitted to the Building Inspection field office.

City of Sacramento Planning Division
PLANNING REVIEW FOR BUILDING PERMIT SUBMITTAL

ADDRESS: 419 NASCA WAY	APN: 031-0780-008
DRPB AREA / PUD / SPD: CITYWIDE	ZONING: R-1
EXISTING LAND USE: SINGLE STORY RSF WITH ATTACHED	
PROPOSED USE: DETACHED GARAGE ADDITION TO EXISTING RSF	
PLANNING STAFF WILL CHECK ONE OR MORE OF THE ITEMS BELOW:	
<input type="checkbox"/>	Planning review is NOT required.
<input type="checkbox"/>	Use is NOT allowed; applicant CANNOT submit for plan check.
<input type="checkbox"/>	Requires APPLICATION(s): PC ZA IR ER DR PB Required Planning application must be submitted <i>before</i> project can be submitted for plan check.
<input type="checkbox"/>	Application(s) IN PROGRESS: Applicant may submit for concurrent building permit plan check, at applicant's risk. Building Division must check with Planning staff and/or SITE before issuing building permit.
<input type="checkbox"/>	Application(s) COMPLETED: Building permit must conform to approved plans and comply with all conditions of approval. Do NOT issue building permit prior to end of 10 day appeal period.
<input checked="" type="checkbox"/>	Plans may be submitted for plan check. Plan checker(s) shall confirm compliance with Zoning Ordinance requirements and all applicable development standards <i>prior to issuance</i> of building permit.
<input checked="" type="checkbox"/>	Meets setback & lot coverage requirements as shown on site plan provided.
<input checked="" type="checkbox"/>	Plans to be submitted have been stamped/signed by Planning counter staff.
<input type="checkbox"/>	Route to SITE for plan check and inspection.
<input type="checkbox"/>	Preliminary review ONLY; the information on this form must be reviewed again and confirmed at the time of building permit submittal.
COMMENTS: LOT AREA = 8276 (METROSCAN). EXISTING LOT COVERAGE = 2124 + PROPOSED 308 = 2432 / 8276 = 29% TOTAL LOT COVERAGE. MEETS ALL SETBACK AND LOT COVERAGE REQUIREMENTS. MEETS REQUIREMENTS FOR MINIMUM PAVING IN FRONT SETBACK AREA ALLOWED 937 / PROPOSED 883 = DOES NOT EXCEED ALLOWABLE PAVING. NO ADDITIONAL PLANNING ENTITLEMENTS REQUIRED. NO ADDITIONAL DESIGN REVIEW APPROVAL REQUIRED.	
DATE: 03/30/05	BY: BONNIE SURGEON



Downtown Permit Center
 1231 I Street, Suite 200
 Sacramento, CA 95814
 Help Line: 1-916-264-5656

CITY OF SACRAMENTO
 DEVELOPMENT SERVICES DEPARTMENT
 BUILDING DIVISION
www.cityofsacramento.org

North Permit Center
 2101 Arena Blvd., Suite 200
 Sacramento, CA 95834
 Inspection: 1-916-808-4677

SITE DRAINAGE AND ENCROACHMENT QUESTIONNAIRE

PARCEL # 031 - 0780 - 008 PERMIT # _____
 SITE ADDRESS 419 NASCA WAY ACREAGE less than 1

The City of Sacramento requires a building site to be graded to drain correctly and site drainage routed to an approved location. To help us understand the site drainage for your project and determine if a driveway permit or an encroachment permit is required please answer the following questions. All questions must be answered.

- | | | |
|--|-------------------------------------|---|
| 1. Are there existing structures on the site? | <input checked="" type="radio"/> Y | <input type="radio"/> N |
| 2. Is there an existing concrete or paved driveway to this parcel from the street? | <input checked="" type="radio"/> Y | <input type="radio"/> *N |
| 3. Will the existing access to this parcel be changed in any way for this project? | <input type="radio"/> *Y | <input checked="" type="radio"/> N |
| 4. Are all portions of the lot higher than the crown of the street? | <input checked="" type="radio"/> Y | <input type="radio"/> *N |
| 5. Are all portions of the lot higher than the back of the sidewalk? | <input checked="" type="radio"/> Y | <input type="radio"/> *N |
| 6. Is there a curb and gutter at the street level? | <input checked="" type="radio"/> *Y | <input type="radio"/> N |
| 7. Is there a sidewalk with a curb and gutter at the street? | <input checked="" type="radio"/> *Y | <input type="radio"/> N |
| 8. Is the curb at the street square? | <input type="radio"/> *Y | <input checked="" type="radio"/> N N/A |
| 9. Is there a rolled curb at the street? | <input checked="" type="radio"/> Y | <input type="radio"/> N N/A |
| 10. Is there a drainage ditch or culvert at the street? | <input type="radio"/> Y | <input checked="" type="radio"/> *N N/A |
| 11. Does the lot drain from back to front? | <input checked="" type="radio"/> Y | <input type="radio"/> *N |
| 12. Does the lot drain from front to rear? | <input type="radio"/> Y | <input checked="" type="radio"/> *N |
| 13. Does another lot drain across this parcel? | <input type="radio"/> *Y | <input checked="" type="radio"/> N |
| 14. Does the lot drain from side to side? | <input type="radio"/> *Y | <input checked="" type="radio"/> N |
| 15. Does the site have an existing low area or drainage swale? | <input type="radio"/> *Y | <input checked="" type="radio"/> N |
| 16. Does the drainage swale drain to an adjacent parcel? | <input type="radio"/> *Y | <input type="radio"/> N <input checked="" type="radio"/> N/A |
| 17. Does the drainage swale drain to the street? | <input type="radio"/> Y | <input type="radio"/> *N <input checked="" type="radio"/> N/A |
| 18. Will existing drainage be re-routed? | <input type="radio"/> *Y | <input checked="" type="radio"/> N |
| 19. Will drainage ditches or culverts be constructed or modified? | <input type="radio"/> *Y | <input checked="" type="radio"/> N N/A |
| 20. Did this project require approval from the Zoning Administrator? | <input type="radio"/> *Y | <input checked="" type="radio"/> N |
| 21. Did the project require approval from the Planning Administrator? | <input type="radio"/> *Y | <input checked="" type="radio"/> N |

**COMPLETE + RETURNS
TO CITY**



**CITY OF SACRAMENTO
BUILDING INSPECTION
DIVISION**

PERMIT OFFICES
Downtown (916) 264-7619
1231 I St., Rm. 200, Sacramento 95814
Natomas Center (916) 808-2534
2101 ARENA BL., Sacramento 95834
<http://www.sacto.org>

**RESIDENTIAL PLAN REVIEW
2001 CBC Adopted Codes
Effective November 1st, 2002**

PROJECT ADDRESS & DESCRIPTION 419 NASCA WAY / NEW GARAGE PERMIT NO: 0504257

These sheets, when attached to a set of plans, become part of those plans and must remain attached thereto. The approval of this plan and the specifications shall not be held to permit or approve the violation of any City ordinance or State or Federal law. (Note: Authorized agent must provide a letter from Owner verifying Authorization.) (The code requirements circled do not limit the code requirements for this project.

I have read and will comply with the items in this document and as marked on the plans.

Paul Moulton

Date 4/15/05

Signature of: Owner Authorized Agent Contractor Architect/Engineer

BUILDING CODE REQUIREMENTS

- B-1 **Smoke detector location within dwelling units.** In dwelling units, a detector shall be installed in each sleeping room and at a point centrally located in the corridor or area giving access to each separate sleeping area. When the dwelling unit has more than one story and in dwellings with basements, a detector shall be installed on each story and in the basement. In dwelling units where a story or basement is split into two or more levels, the smoke detector shall be installed on the upper level except that, when the lower level contains a sleeping area, a detector shall be installed on each level. When sleeping rooms are on an upper level, the detector shall be placed at the ceiling of the upper level in close proximity to the stairway. In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room. Detectors shall sound an alarm audible in all sleeping areas of the dwelling unit in which they are located. In new construction, required smoke detectors shall receive their primary power from a commercial source and have a battery back up. 2001 CBC, Section 310.9.1.
- B-2 **When alteration, repairs, or additions having a value in excess of \$1,000 are made, provide an approved smoke detector to protect existing sleeping rooms.** The detector may be battery operated as per 2001 CBC, Section 310.9.1.2.
Exception: Repairs to the exterior surfaces of a Group R occupancy are exempt from the requirements of this section.
- B-3 **Emergency escape and rescue.** Basements in dwelling units and every sleeping room below the fourth story shall have at least one operable window or door approved for emergency escape or rescue that shall open directly into a public street, public way, yard, or exit court. Escape or rescue windows shall have a minimum net clear openable area of 5.7square feet / 821 SQ. inches. The minimum net clear openable height dimension shall be 24 inches. The minimum net clear openable width dimension shall be 20 inches. Emergency escape or rescue windows shall have a finished sill height not more than 44 inches above the floor. 2001 CBC, Section 310.4.
- B-4 **All Group U occupancies attached to Group R, Division 3 occupancies shall be separated by materials approved for one-hour fire-resistive construction.** The separation may be limited to the garage side only and requires a self-closing, tight fitting solid wood door 1 3/8 inches in thickness or a self-closing, tight fitting door having a fire protection rating of not less than 20 minutes. CBC Section 302.4. Exception 3. *Note:* All members supporting such separation shall be of water fire resistive construction as per 2001 UBC, Section 302. All electrical outlet boxes on opposite sides of the wall shall be separated by a horizontal distance on not less than 24 inches per 2001 CBC 709.7. Exception 1.

OFFICE COPY

Richard and Gwen Markuson

419 Nasca Way

Sacramento, Ca. 95831

Phone 422-0262

0504257

CITY OF SACRAMENTO
PERMIT ASSISTANCE

ISSUED

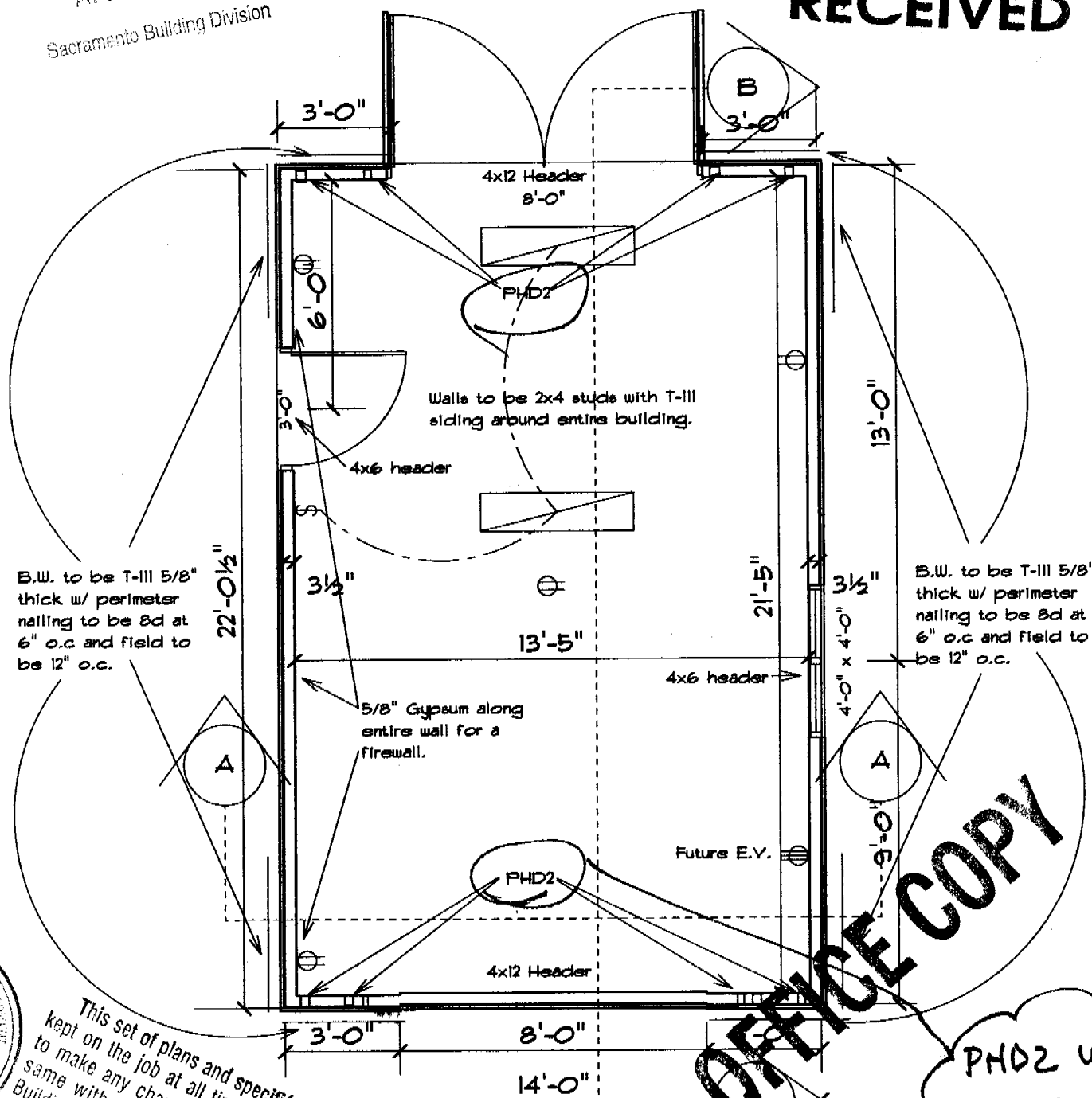
APR 22 2005

Sacramento Building Division

Scale 1/4" = 1 Foot

APR 15 2005

RECEIVED



This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division. The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.

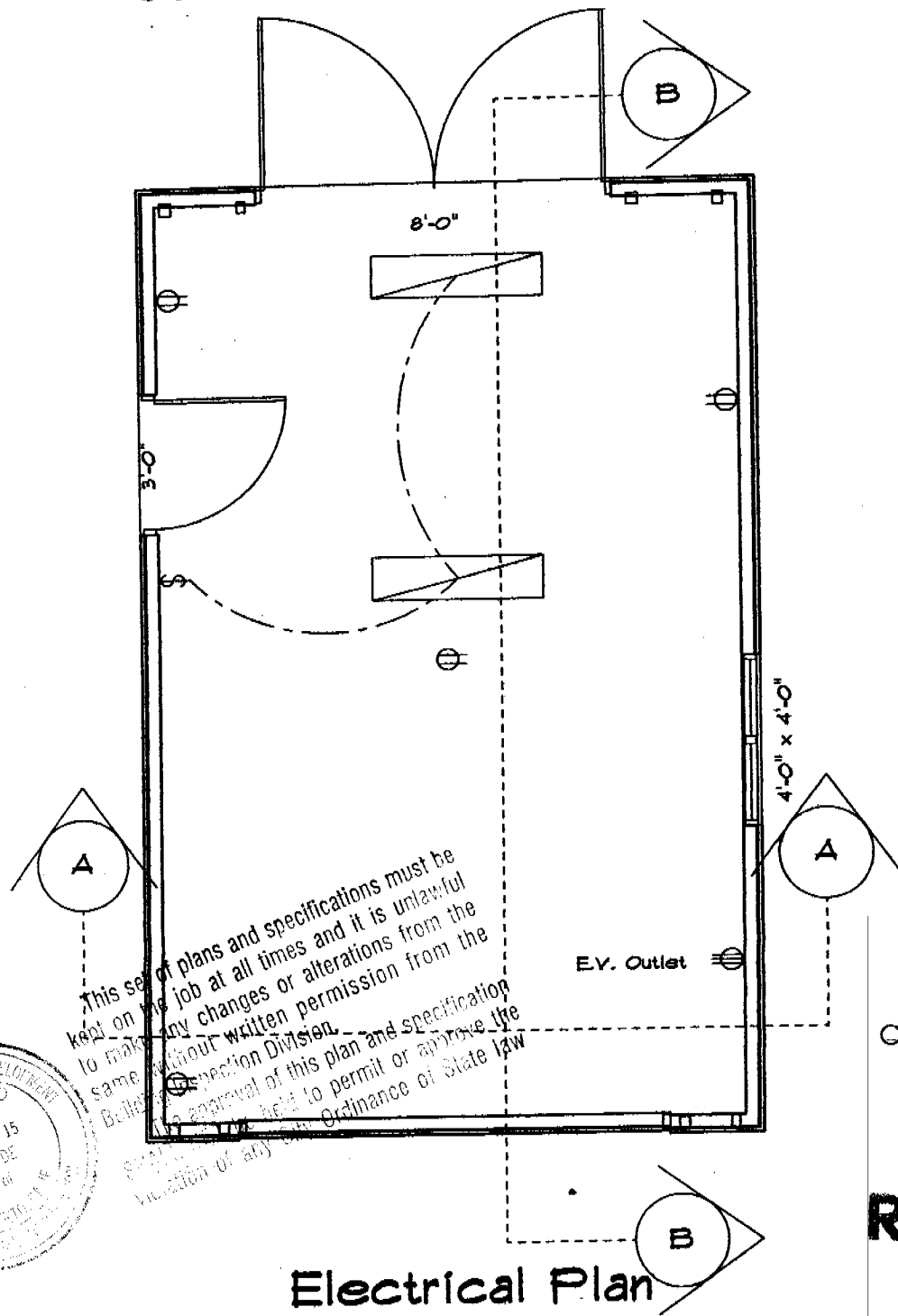
CR 4-22-05
 OSO4257 4257

Floor Plan

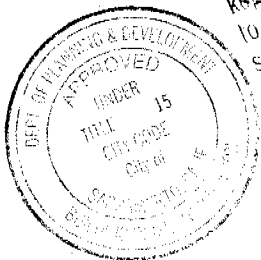
PHD2 USE
 SSTB 1-6
 SSTB PER MANUF.
 5/4" FR. CORNER

Richard and Gwen Markuson
 419 Nasca Way
 Sacramento, Ca. 95831
 Phone 422-0262

Scale 1/4" = 1 Foot



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ISSUED
 APR 2 2005
 Sacramento Building Director

CITY OF SACRAMENTO
 PERMIT ASSISTANCE

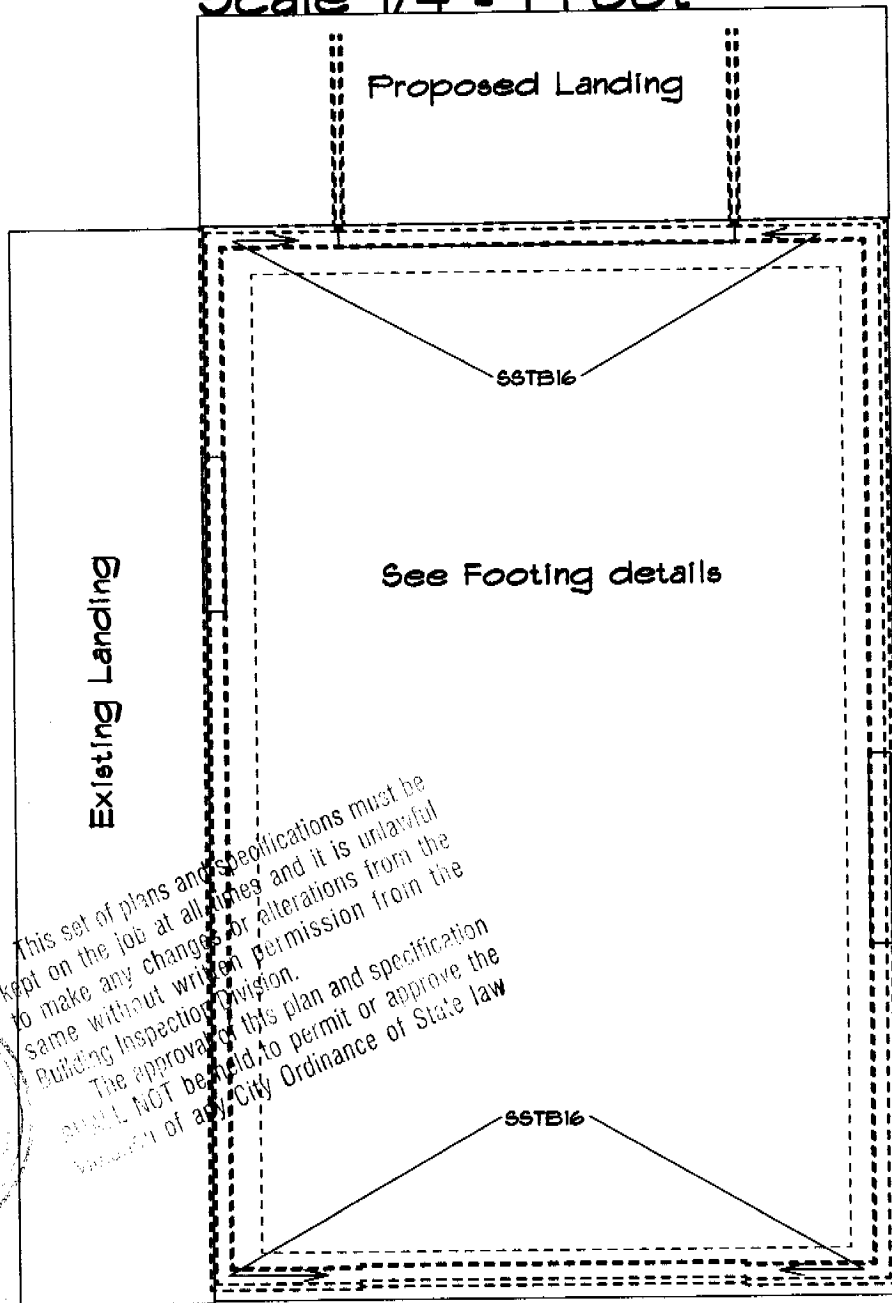
MAR 30 2005

RECEIVED

Electrical Plan

Richard and Gwen Markuson
419 Nasca Way
Sacramento, Ca. 95831
Phone 422-0262

Scale 1/4" = 1 Foot



Existing Landing

Proposed Landing

SSTB16

See Footing details

SSTB16

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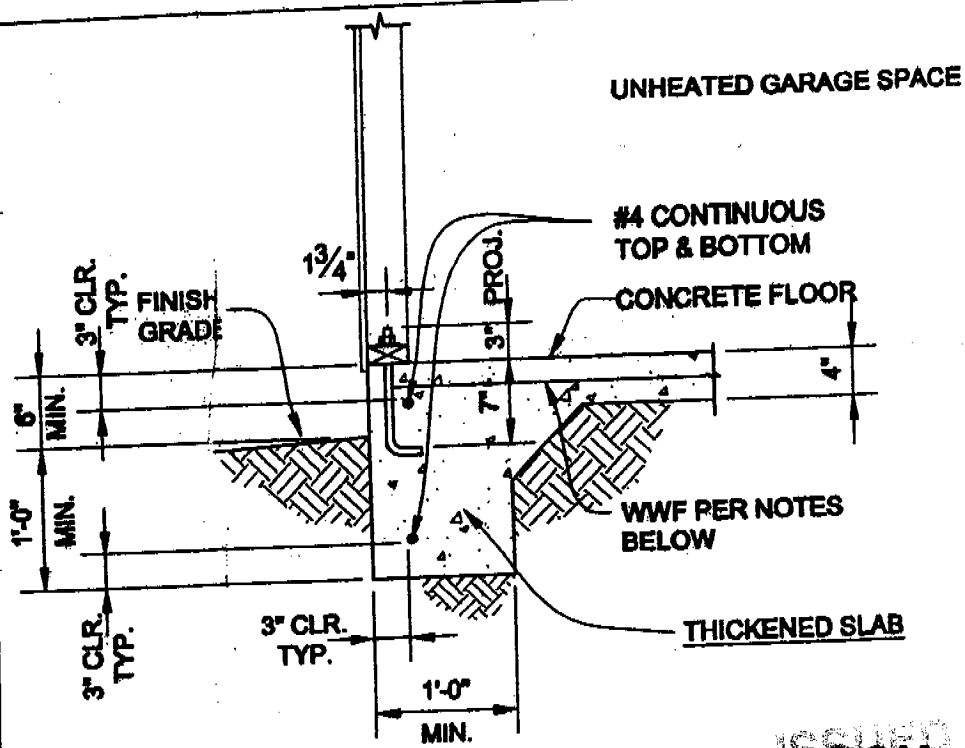
ISSUED

APR 2 2 2012

Sacramento Building Division

Foundation Plan

This set of plans and specifications must be used on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division. The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.



MONOLITHIC FOUNDATION

SCALE 3/4" = 1'-0"

Sacramento Building Division

CONTINUOUS FOOTING NOTES

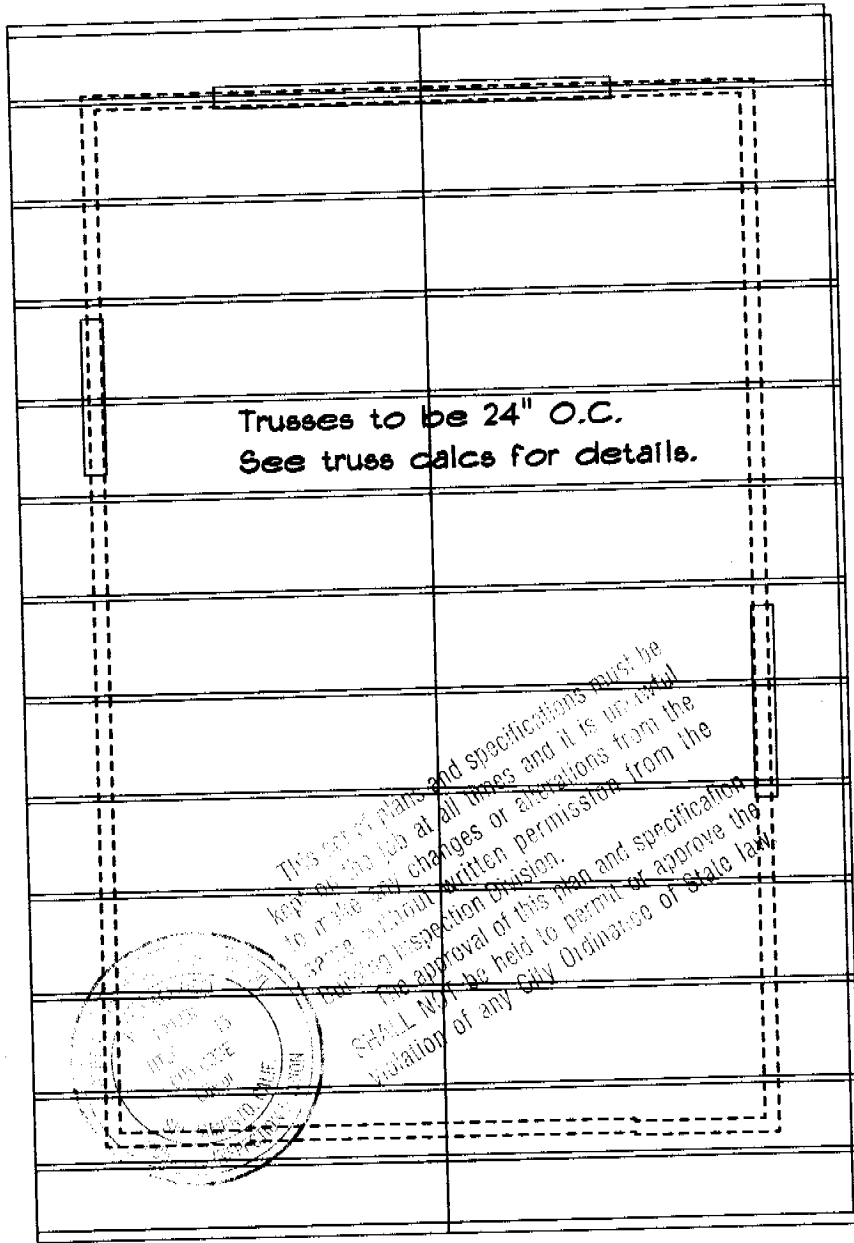
1. TOP OF SLAB TO BE 6" MIN. ABOVE GRADE. SLAB REINFORCEMENT SHALL BE WWF 6X6 W10xW10 PER ASTM A185. LOCATE AT MID-DEPTH OF SLAB.
2. ALL FOOTING FORMS SHALL BE INSPECTED FOR SIZE AND REINFORCING BEFORE POURING CONCRETE.
3. FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL, COMPETENT SOIL, OR PROPERLY COMPACTED STRUCTURAL FILL. PRESCRIPTIVE ALLOWABLE SOIL BEARING PRESSURE IS 1000 PSF AT 12" BELOW GRADE.
4. CONCRETE: MINIMUM 28 DAY COMPRESSIVE STRENGTH, $f_c = 2500$ PSI.
5. REINFORCING STEEL: A815, GRADE 40 OR GRADE 60. ALL REINFORCING STEEL SHOWN TO BE CONTINUOUS MAY BE LAPPED THE GREATER OF 38 BAR DIAMETERS OR 24".
6. SEISMIC ZONE 3:
 - A. ATTACH PRESSURE TREATED SOLE PLATE TO THE FOOTING USING 5/8" DIA X 10" LONG 1' BOLTS WITH NUTS AND WASHERS.
 - B. ANCHOR BOLTS SHALL BE EMBEDDED AT LEAST 7" INTO THE CONCRETE AND SHALL BE SPACED NOT MORE THAN 6" OC.
 - C. THERE SHALL BE A MINIMUM OF 2 BOLTS PER SOLE PLATE PIECE WITH 1 BOLT LOCATED NOT MORE THAN 12" NOR LESS THAN 7 BOLT DIAMETERS FROM EACH END OF EACH PIECE.
 - D. 2" X 2" X 3/16" THICK PLATE WASHERS SHALL BE USED ON EACH BOLT.

3

CF-1 FOUNDATION DETAIL

Richard and Gwen Markuson
419 Nasca Way
Sacramento, Ca. 95831
Phone 422-0262

Scale 1/4" = 1 Foot

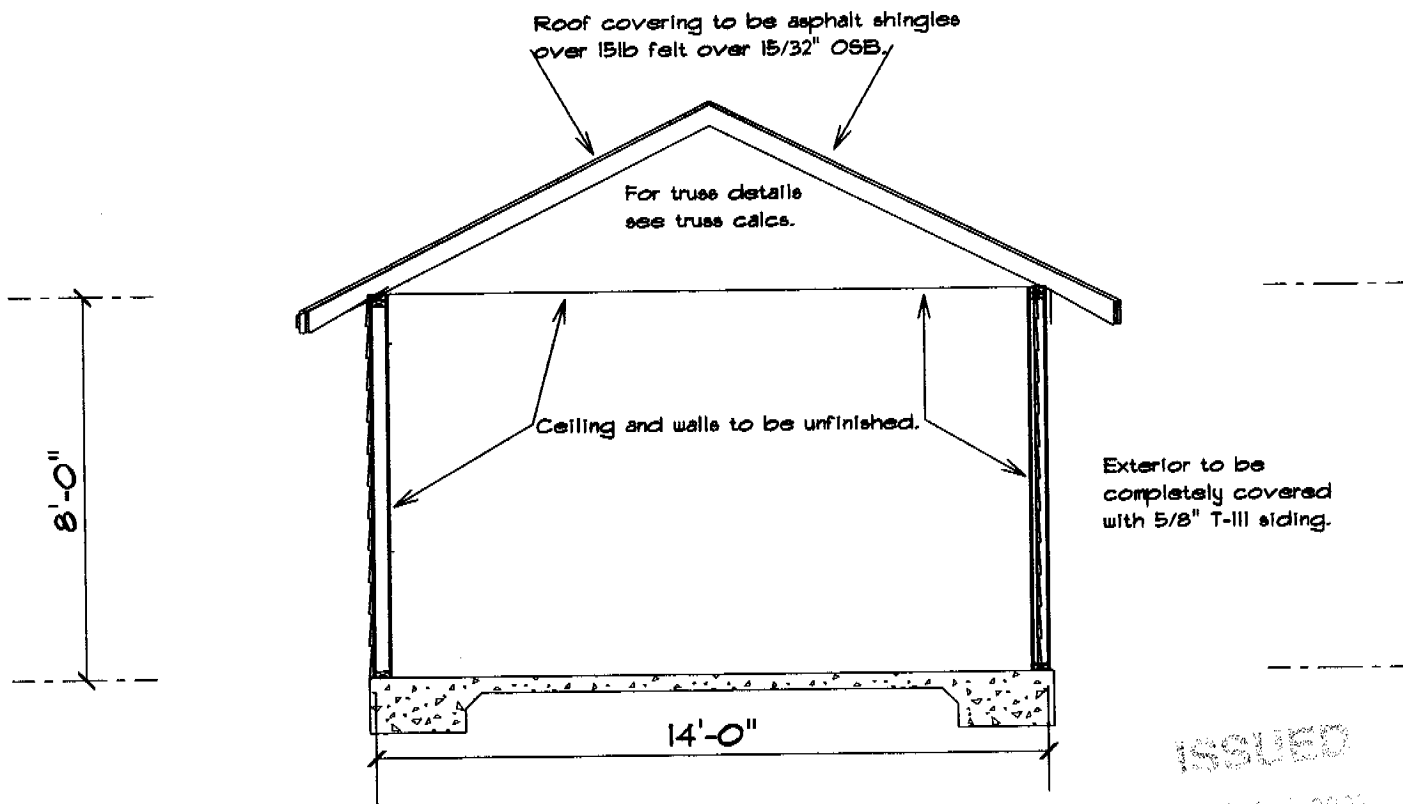


ISSUED
APR 22 1987
Sacramento Building Division

Truss Plan

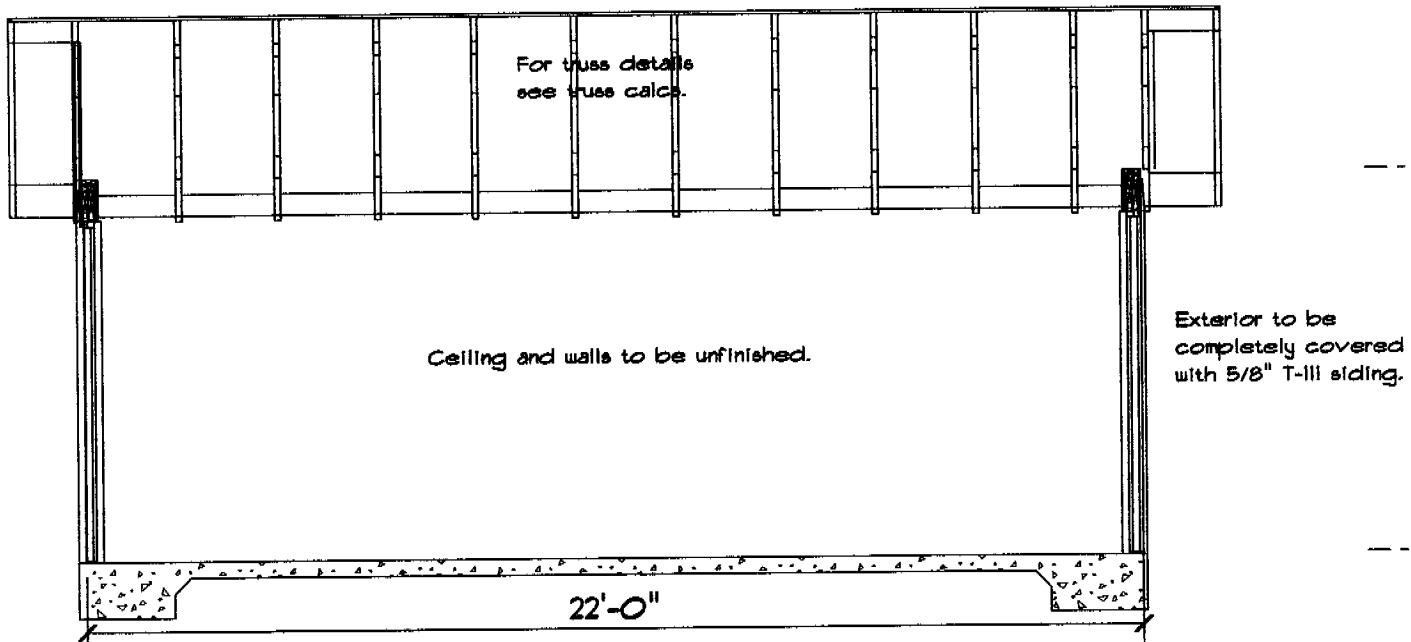
Roof Schedule to be 15/32" OSB nailed w/ 8d nails 6" o.c. at the edge 12" in the field. This is to be covered with 15lb felt covered by 30 year asphalt shingles.

Cross Section A

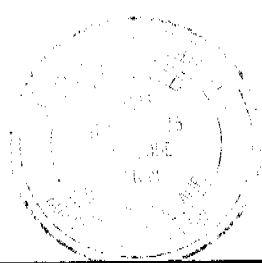


Scale 1/4" = 1 Foot
Cross Section B

Roof covering to be asphalt shingles over 15lb felt over 15/32" OSB.

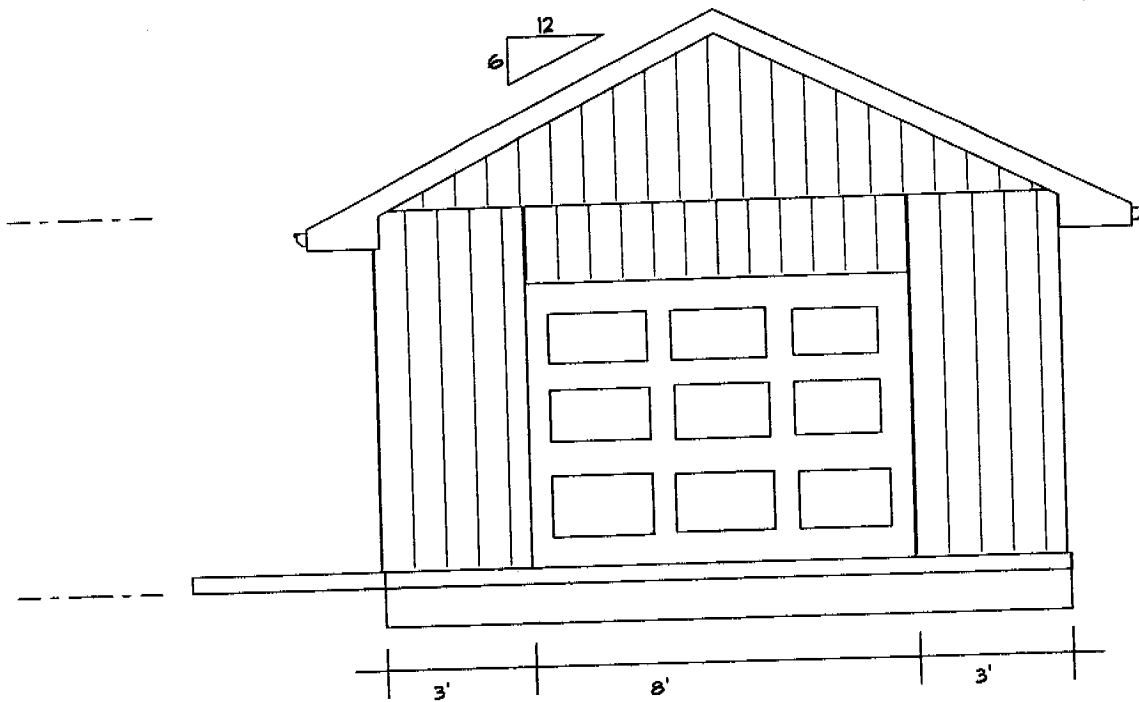


ISSUED
APR 2 1975
SACRAMENTO BUILDING DEPARTMENT



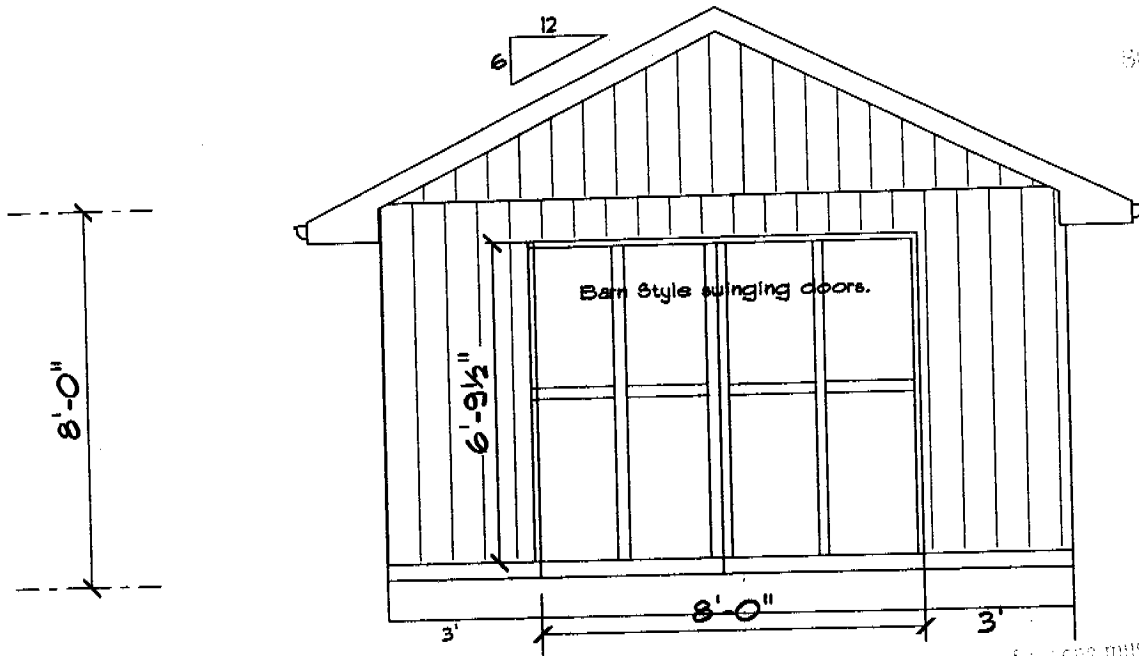
...is set of plans and specifications must be on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.
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Wall Elavation B



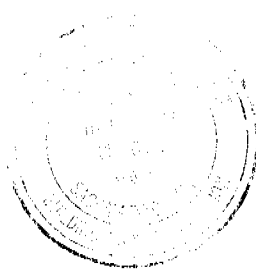
Exterior to be completely covered with 5/8" T-111

Wall Elevation D



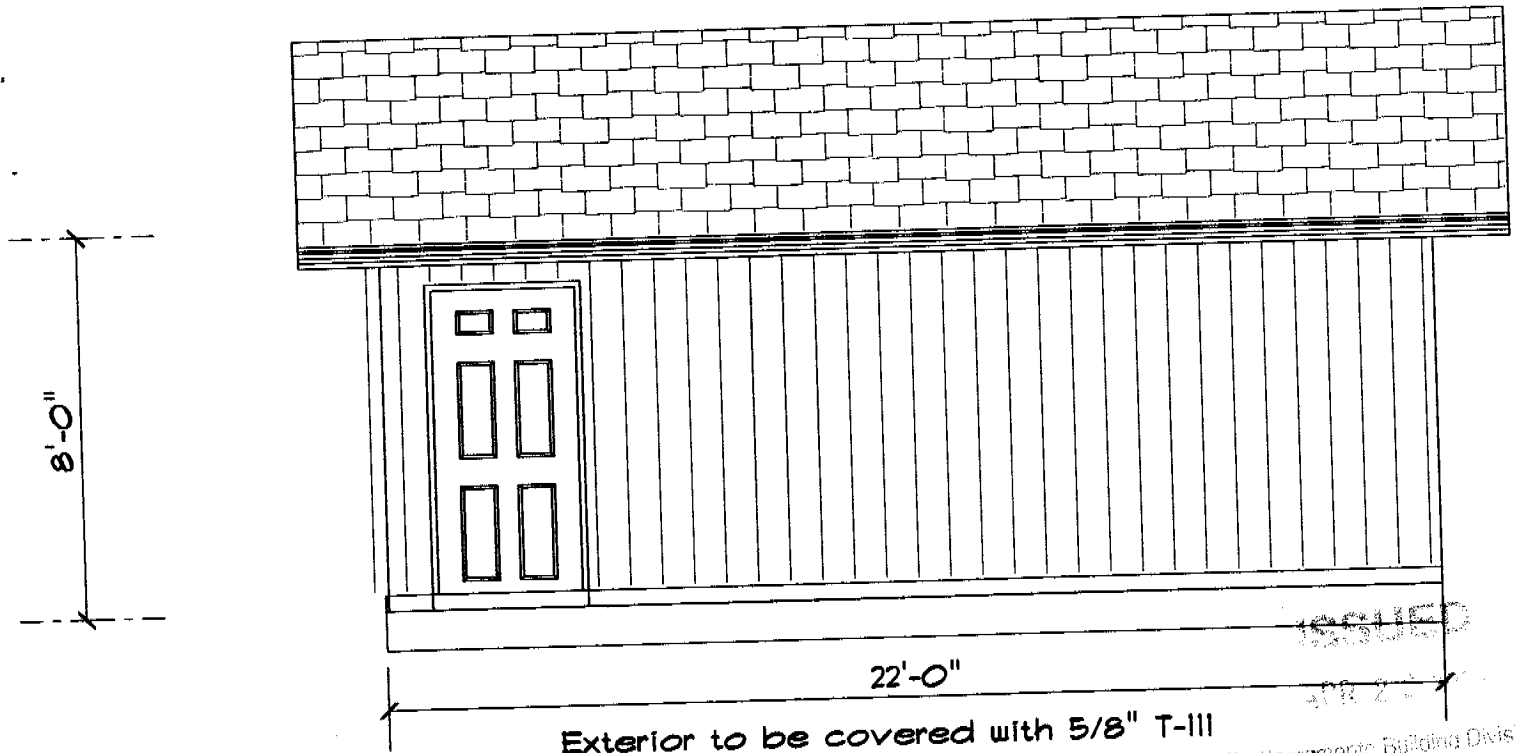
Exterior to be completely covered with 5/8" T-111

ISSUED
APR 20 1974
Sacramento Building Division



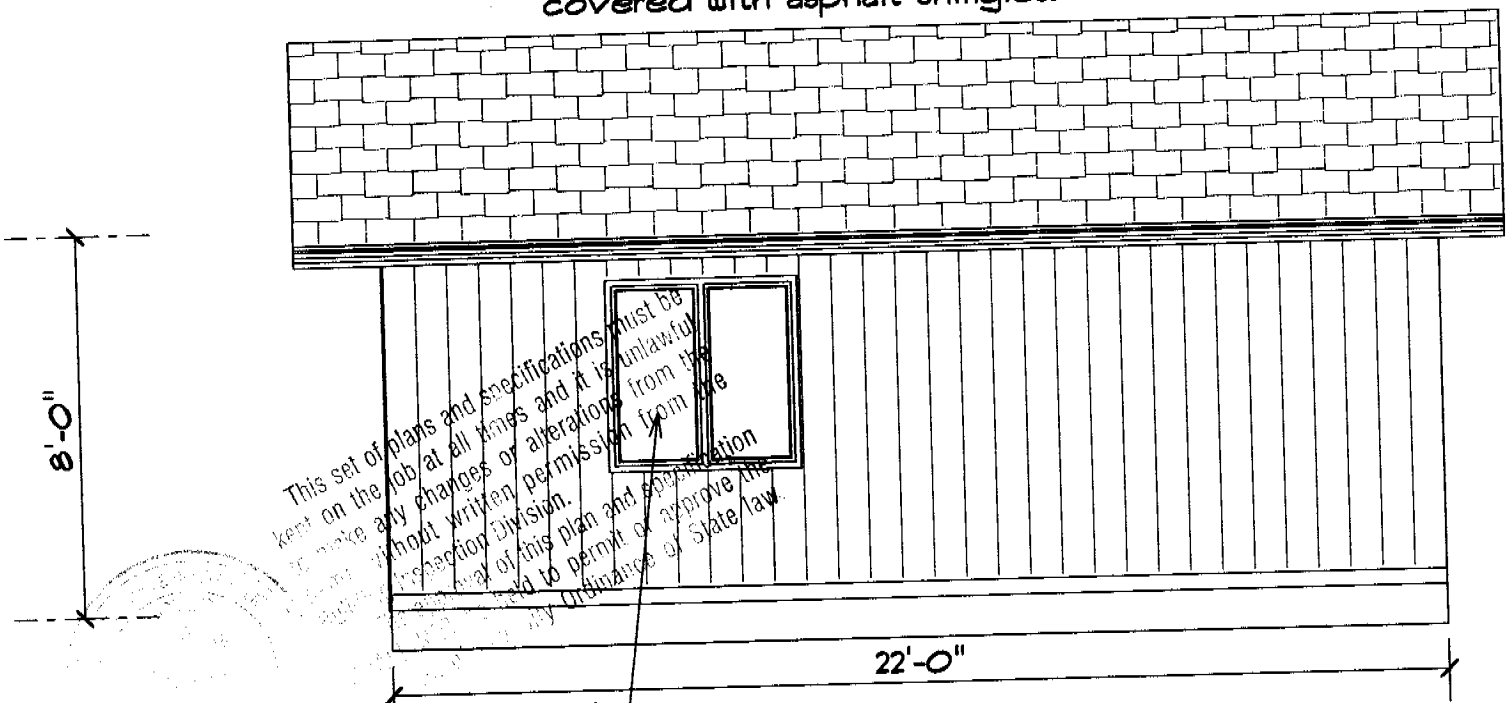
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Wall Elevation A



Exterior to be covered with 5/8" T-111
Roof to be 15/32" OSB covered w/ 15lb felt covered with asphalt shingles.

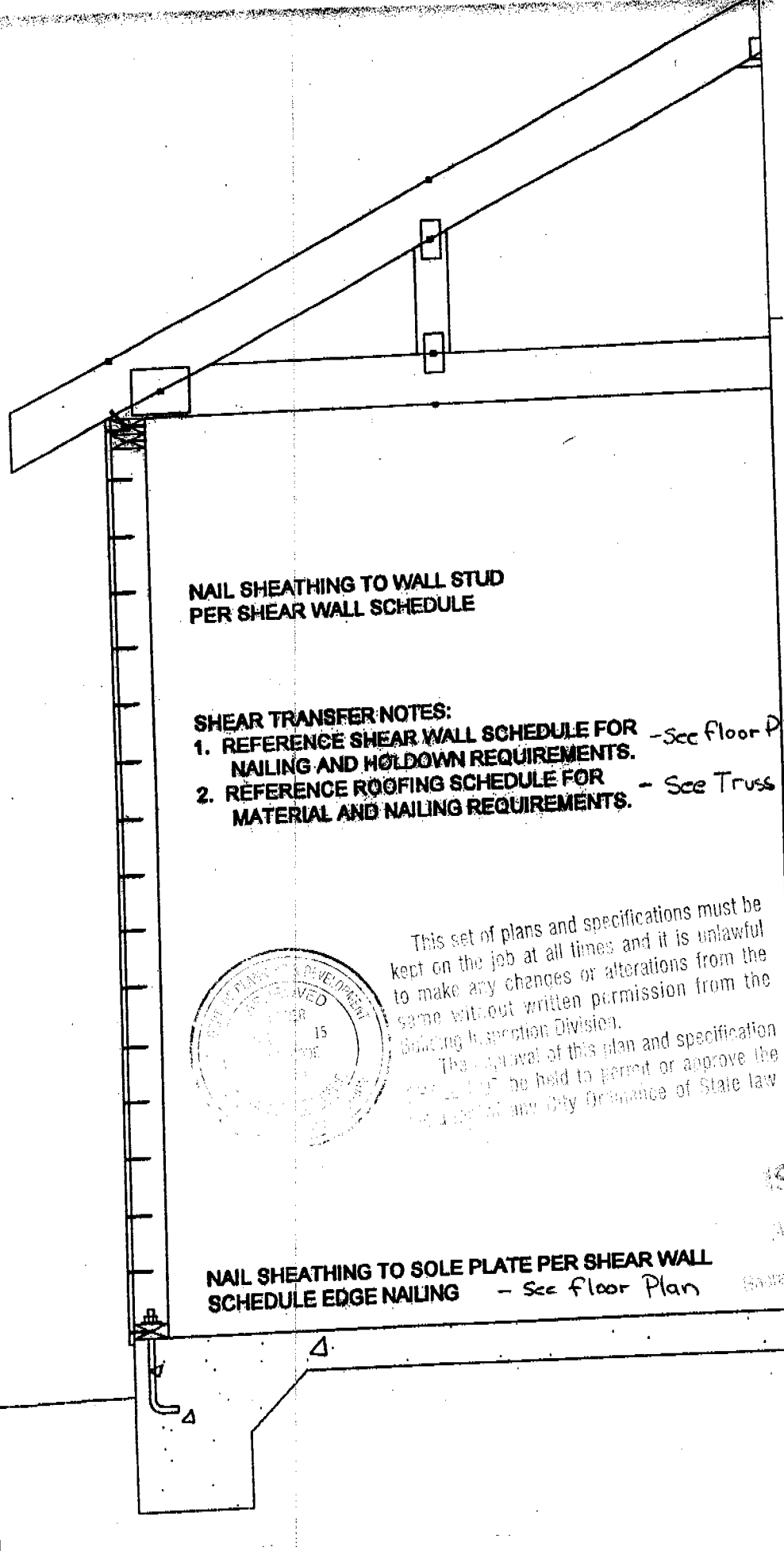
Sturgis Building Division



This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the original without written permission from the Inspection Division. Any violation of this plan and specification may be cause to permit or approve the building to be closed or to revoke the license of State law.

Window to be 4'x4' as per floor plan

Wall Elevation C



**NAIL SHEATHING TO WALL STUD
PER SHEAR WALL SCHEDULE**

SHEAR TRANSFER NOTES:

- 1. REFERENCE SHEAR WALL SCHEDULE FOR NAILING AND HOLDOWN REQUIREMENTS. - See Floor Plan**
- 2. REFERENCE ROOFING SCHEDULE FOR MATERIAL AND NAILING REQUIREMENTS. - See Truss Plan**

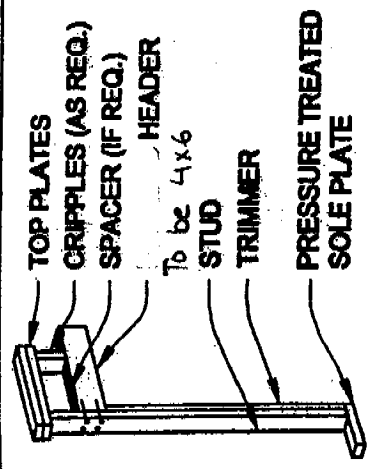


This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.
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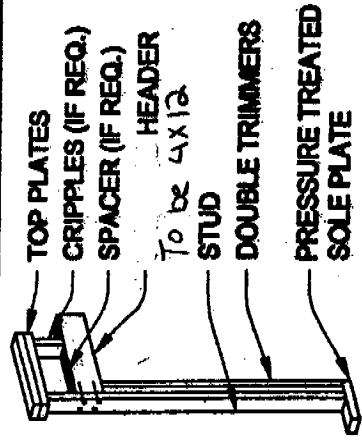
**NAIL SHEATHING TO SOLE PLATE PER SHEAR WALL
SCHEDULE EDGE NAILING - See floor Plan**

**ISSUED
APR 22 1987**

Garrett Building Division



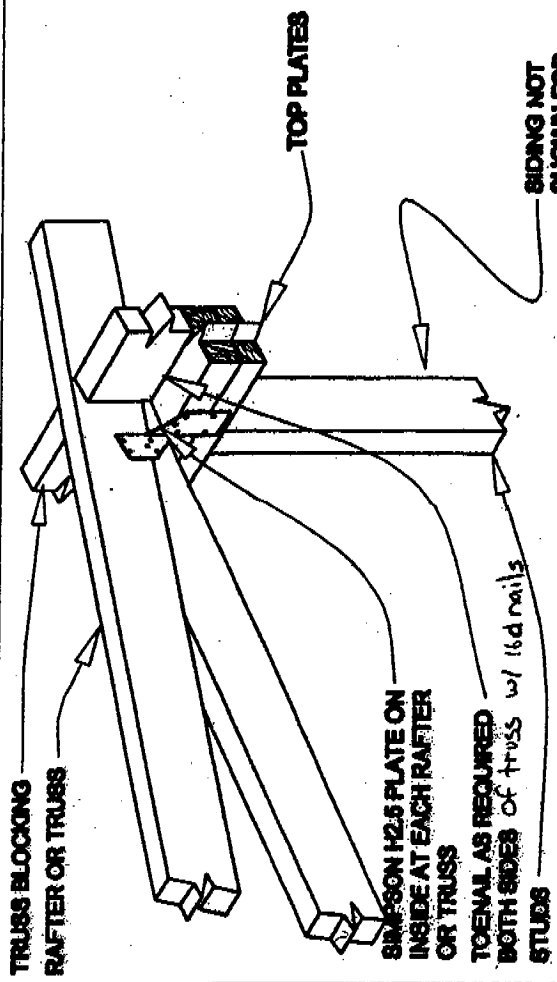
FOR OPENINGS UP TO 5'-11 1/2"



FOR OPENINGS 6'-0" AND WIDER

NAILING:
 HEADER TO STUD - 4-8d TOENAIL OR 4-16d END NAIL
 DOUBLED HEADER - 16d @ 16" STAGGERED FACE NAIL
 REFERENCE 1997 UBC TABLE 23-11-B-1

HEADER DETAIL
 NOT TO SCALE



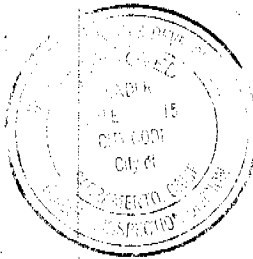
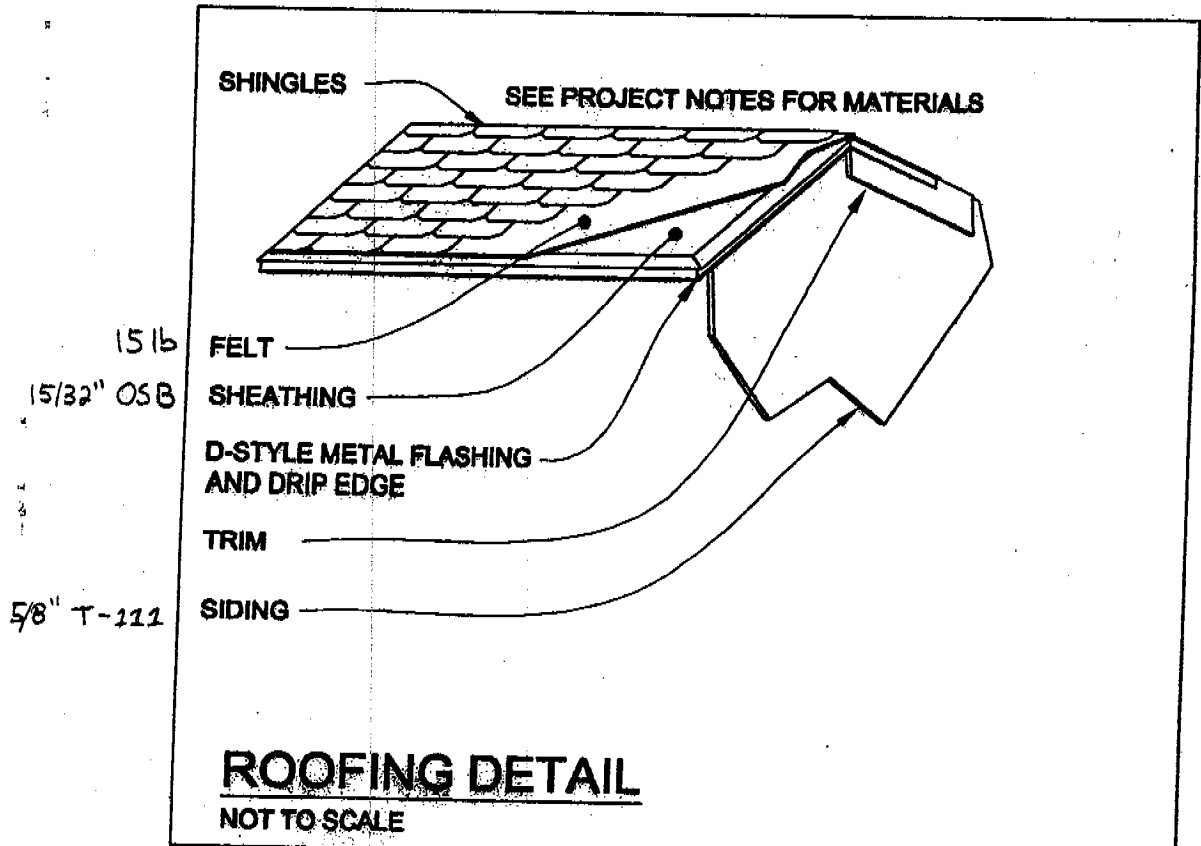
WITH BOTTOM CHORD

H2.5 RANCH TRUSS ATTACHMENT DETAIL
 SCALE NONE

APPROVED
 APR 2 2004
 Department Building Division

City of Seattle
 Department of Building Inspection
 The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State law.

ISSUED
APR 11 1974
Bureau of Building Division

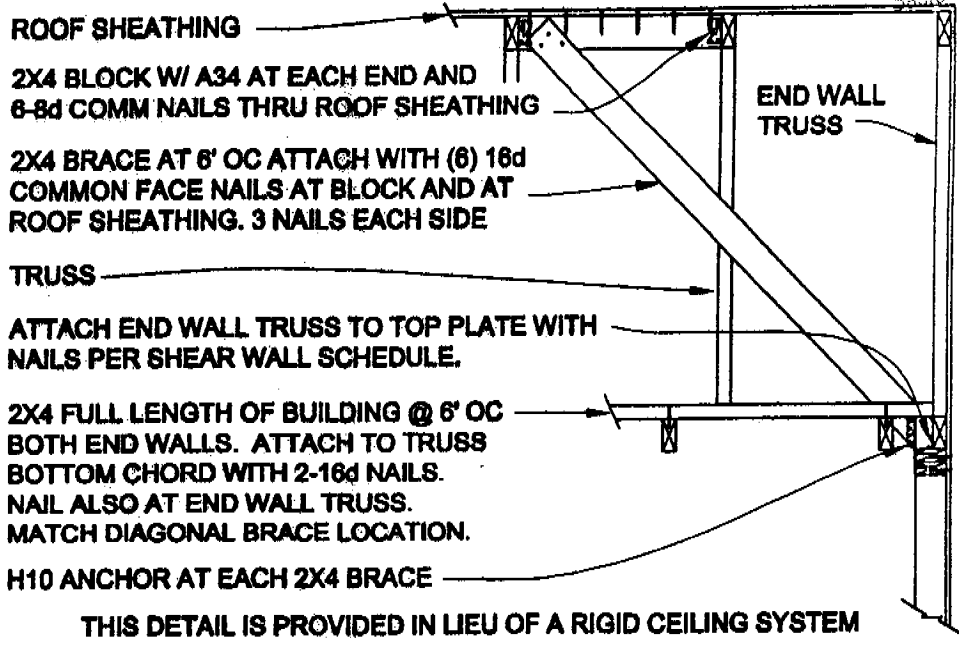


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ISSUED

APR 22 2005

Swanton Building Division

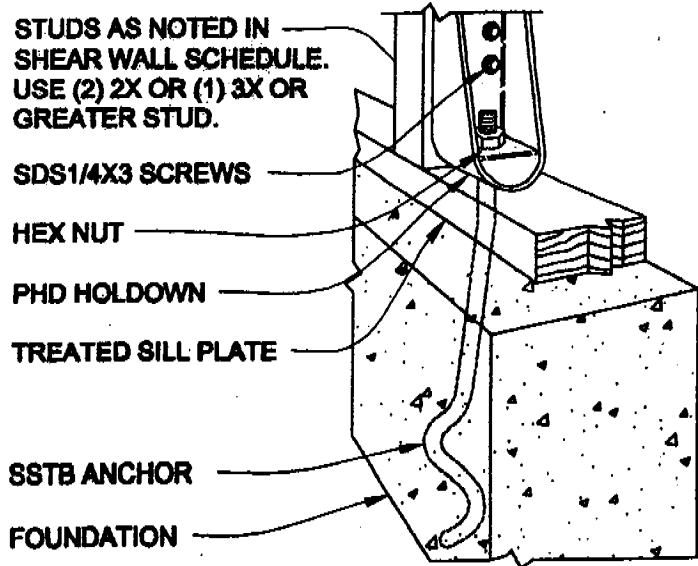


THIS DETAIL IS PROVIDED IN LIEU OF A RIGID CEILING SYSTEM

END WALL BRACE and TRUSS BOTTOM CHORD BRACE

4

NOT TO SCALE



SSTB & PHD INSTALLATION

NOT TO SCALE

All drawings and specifications must be
 checked for accuracy at all times and it is unlawful
 to make any changes or alterations from the
 Building Inspection Division.
 The approval of this plan and specification
 SHALL NOT be held to permit or approve the
 violation of any City Ordinance of State law.

0504257
419 NASCA WY

**CAL ASIA TRUSS
INCORPORATED**

Originator:	HUGO
Date:	3-22-05

Customer:	RIK MARKUSON
Customer Number:	
Address:	419 NASCA WAY
City:	SACRAMENTO CA
Phone:	(916) 422-0262 / FAX / SAME (CALL 1 st)
Contact:	RIK

PAGE	1
Bid Number:	9109263 / 27676
Job Number:	

Rebid: Yes No

Plan Check: Yes No

Are Plans In house?: Yes No

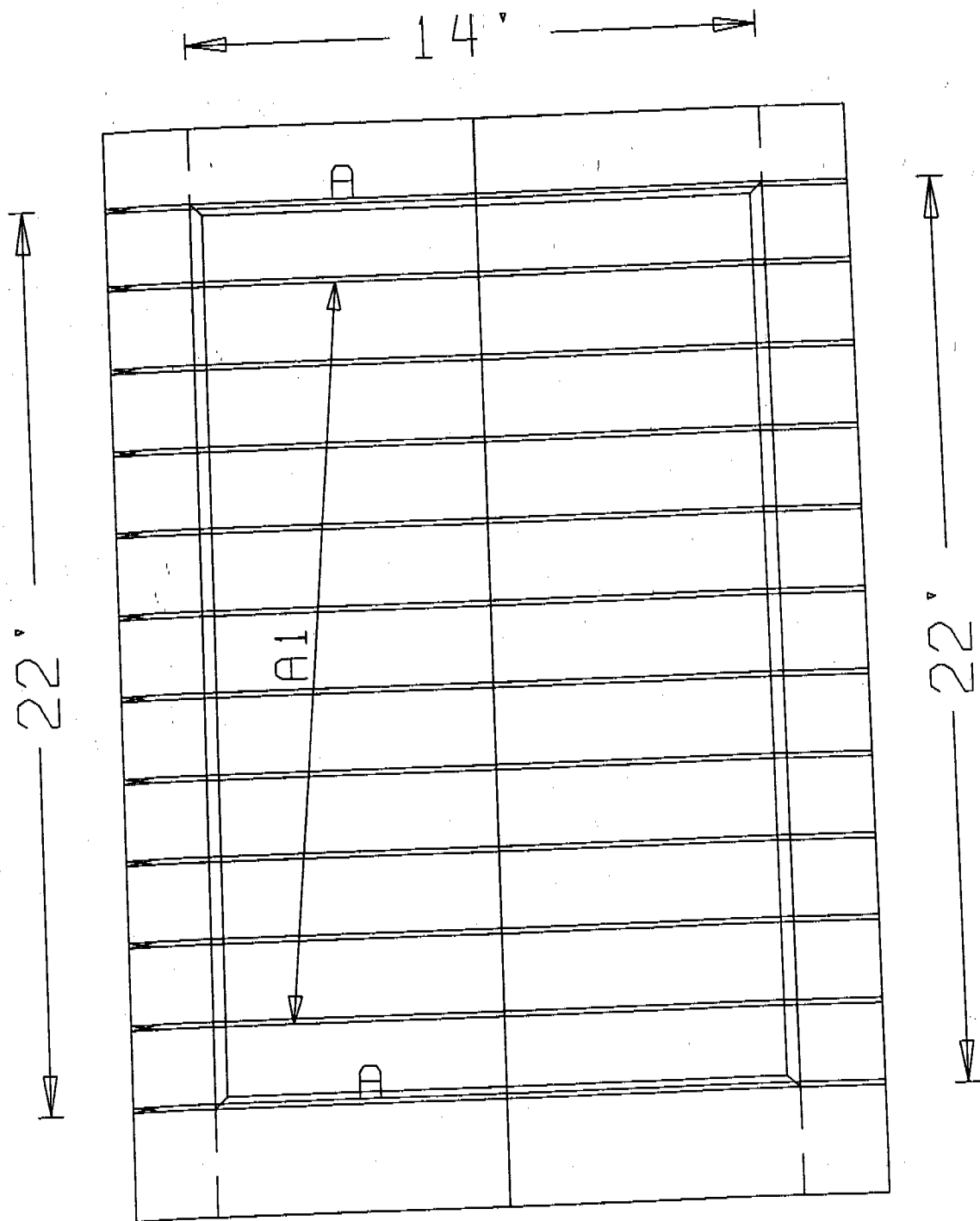
Job Name:	MARKUSON GARAGE
Job Address:	SAME
Job City:	

TCLL: TCDL: BCDL: Total Loading:	Overhangs:
16-14-0-7 = PSF	P/S: P 2
Top Chord: 2x4 6/12	Blocking: Qty/Standard: 2x4 / 1-10-1 / 22
Bottom Chord: 2x4	Blocking: Qty/Vented: 2x4 / 1-10-1 / 11


• JOB MUST ACCESSIBLE BY DOR EQUIPMENT.


Total Bid Price (Including Tax):	\$
----------------------------------	----


10547 E. Stockton Blvd., Elk Grove, CA 95624 (916) 685-5648 (800) 660-7702 fax (916) 685-2499
 2300 Clayton Rd., Suite 1400 Concord, CA 94520 (925) 680-7701 fax (925) 680-4313
 (PLEASE MAIL ALL CORRESPONDENCE TO CONCORD)




Scale: 1/4" = 1'

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

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

 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.

 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®


TRUSS PLATE INSTITUTE
583 D'Onofrio Dr., Suite 200
Madison, Wisconsin 53719
(608) 833-5900

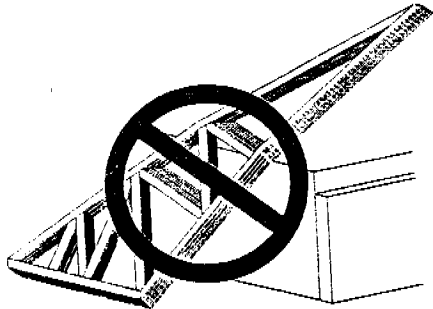
It is the responsibility of the installer (builder, building contractor, licensed contractor, erector or erection contractor) to properly receive, unload, store, handle, install and brace metal plate connected wood trusses to protect life and property. The installer must exercise the same high degree 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.

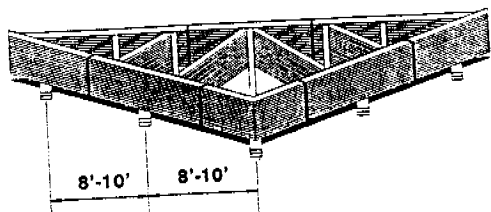
 CAUTION: The builder, building contractor, licensed contractor, erector or erection contractor is advised to obtain and read the entire booklet "Commentary and Recommendations for Handling, Installing & Bracing Metal Plate Connected Wood Trusses, HIB-91" from the Truss Plate Institute.

 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.

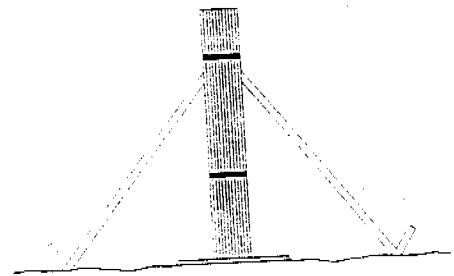
TRUSS STORAGE




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





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




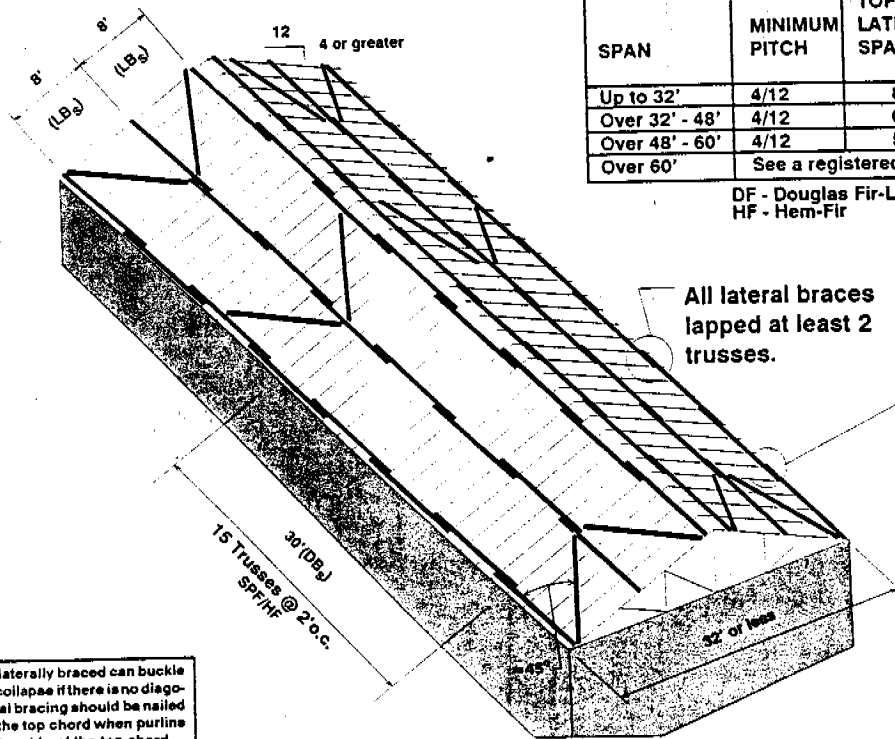
Trusses stored vertically should be braced to prevent toppling or tipping.

 WARNING: Do not break banding until installation begins or lift bundled trusses by the bands.

 DANGER: Do not store bundles upright unless properly braced.

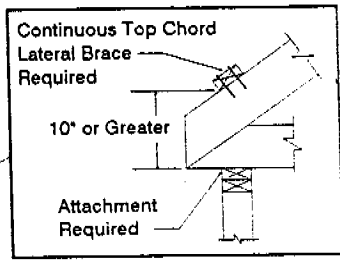
 WARNING: Do not use damaged trusses.

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



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



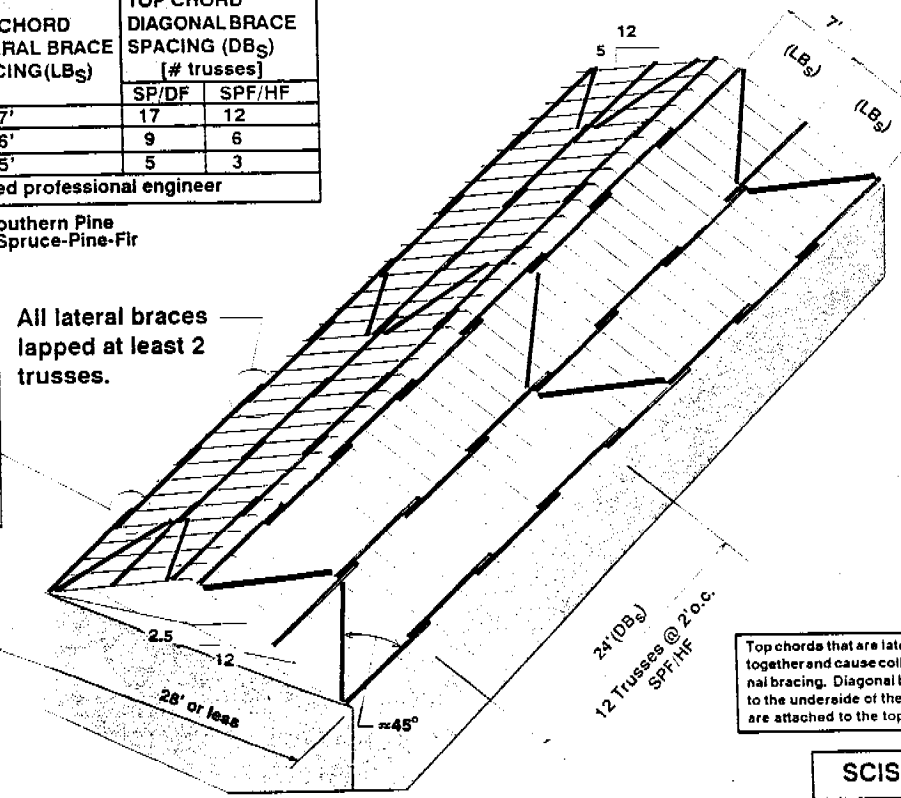
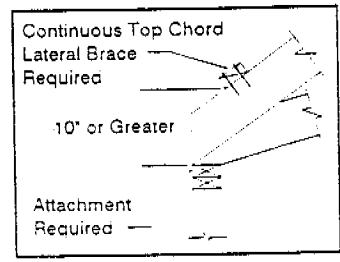
Top chords that are laterally braced can buckle together and cause collapse if there is no diagonal bracing. Diagonal bracing should be nailed to the underside of the top chord when purlins are attached to the topside of the top chord.

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



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

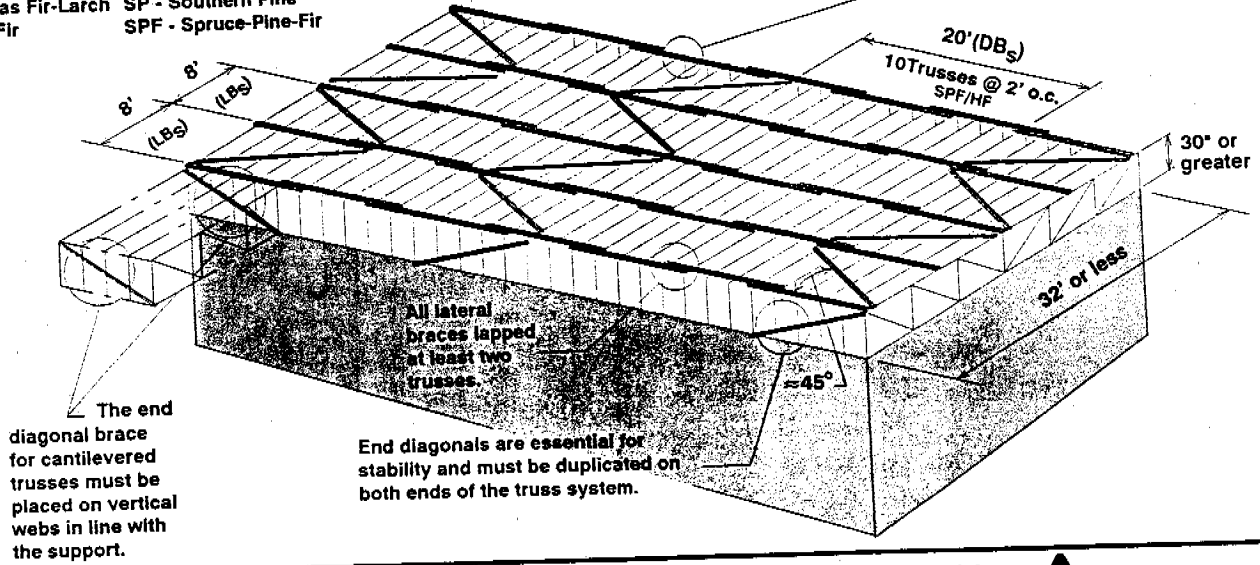
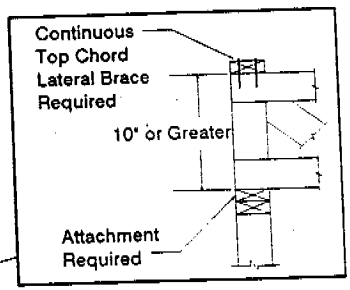
Frame 3

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
 HF - Hem-Fir
 SP - Southern Pine
 SPF - Spruce-Pine-Fir

2x4/2x6 PARALLEL CHORD TRUSS

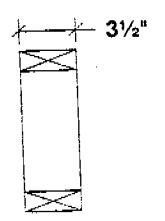
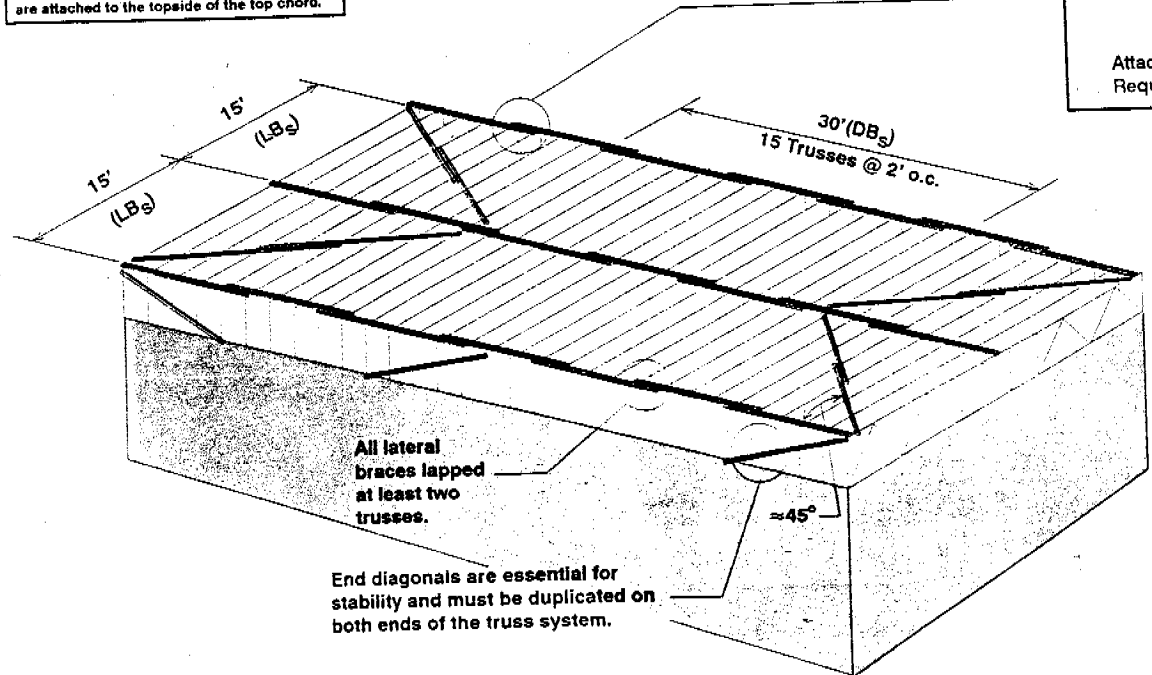
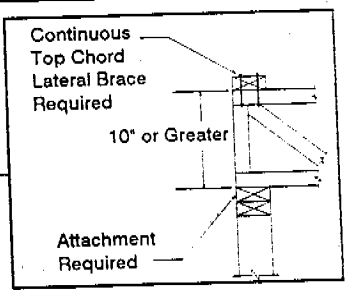
Top chords that are laterally braced can buckle together and cause collapse if there is no diagonal bracing. Diagonal bracing should be nailed to the underside of the top chord when purlins are attached to the topside of the top chord.



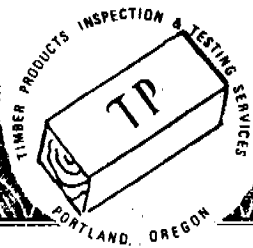
WARNING: Failure to follow these recommendations could result in severe personal injury or damage to trusses or buildings.

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.



Frame 5



Timber Products Certificate of Quality

**TIMBER PRODUCTS INSPECTION, INC.
dba
GENERAL TESTING AND INSPECTION AGENCY**

105 SE 124TH AVENUE
VANCOUVER, WA 98684

We are an inspection agency recognized by the International Conference of Building Officials. Council of American Building Officials NER – QA275.

This is to verify that:

**CAL ASIA TRUSS ENGINEERING
10547 E. STOCKTON BLVD
ELK GROVE, CA 85624**

is under our Audited Quality Control Program and has been since:

DECEMBER, 1991

We audit the production Quarterly under the Uniform Building Code Section 2304.4.4.

**TONY LEWIN
MANAGER OF WESTERN TRUSS DIVISION**

THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFR'S LAYOUT

Job: (GAR1) GARAGE / A

TOP CHORD 2x4 DF-L #2
 BOT CHORD 2x4 DF-L #2
 WEBS 2x4 DF-L #2

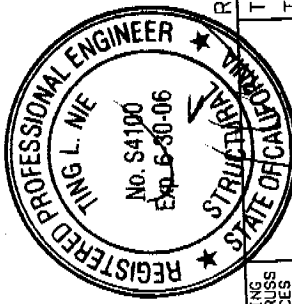
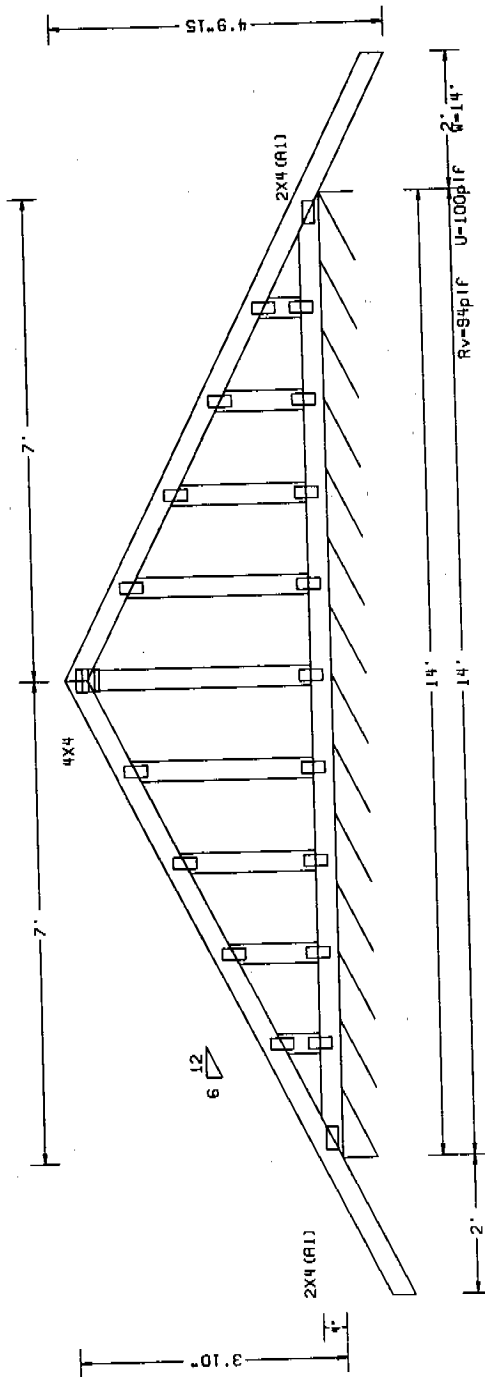
PLATES DESIGNED FOR GREEN LUMBER PER NDS-97 TABLE 7.3.3.

10 PSF BC LIVE LOAD PER UBC.

90 MPH WIND.

ALL PLATES ARE 2x4 EXCEPT AS NOTED.

IN LIEU OF RIGID CEILING USE PURLINS TO BRACE BC @ 120" OC



REV. 6.33.0716.22
 SEQ = 14229
 SCALE = 0.3750

REF	DATE	TYPE
TC LL	16.0psf	16.0psf
TC DL	15.0psf	15.0psf
BC DL	7.0psf	7.0psf
BC LL	0.0psf	0.0psf
TOT.LD.	38.0psf	38.0psf
DUR.FAC.	1.25	1.25
SPACING	24.0"	24.0"

QTY = 2 TOTAL = 2

UBC/TPI 1995 (STD)

DESC. TYP. A

CAL ASIA TRUSS INCORPORATED

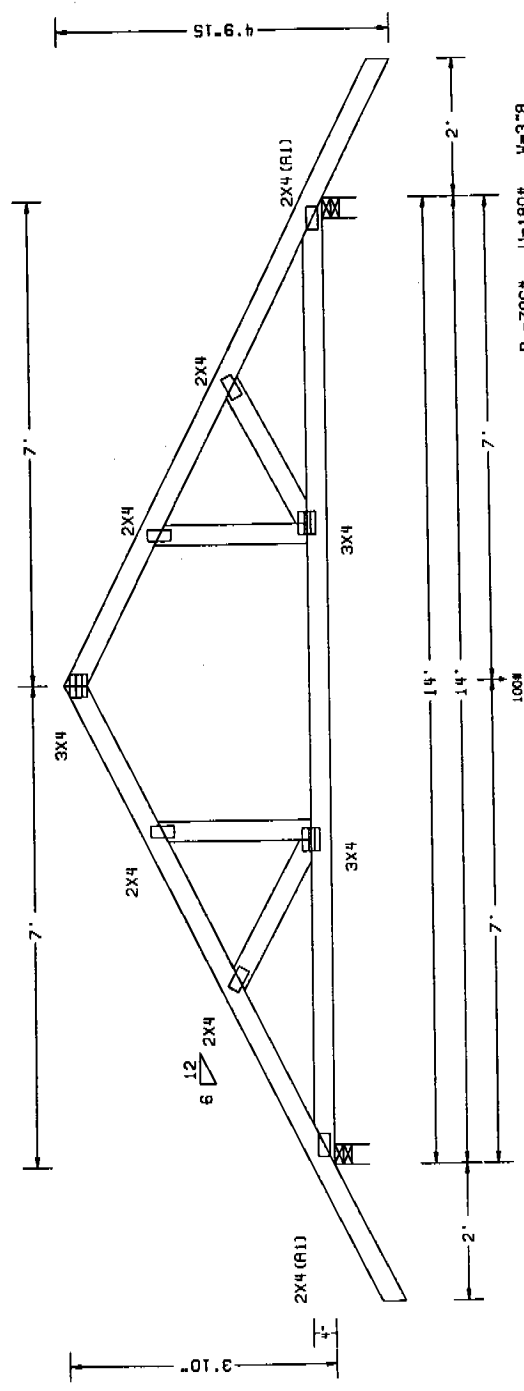
10547 E. Stockton Blvd.
 Elk Grove, CA 95624
 (916) 685-5648
 Fax: (916) 685-2489

WARRANTING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO HIB-91 HANDLING, INSTALLING AND BRACING PRACTICES PUBLISHED BY TPI TRUSS AND BRACING INSTITUTE, SUITE 200, MADISON, INDIANA 47050. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PLATE INSTALLED TO PERFORM THESE FUNCTIONS. CEILING TRUSSES SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. IS NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, SHIPMENT, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION AND TPI ALPINE CONNECTORS ARE MADE OF 20GR ASTM A36 STEEL. THIS DESIGN POSITION CONNECTORS PER DRAWINGS 160 A-2, 160 A-3, 160 A-4, 160 A-5, 160 A-6, 160 A-7, 160 A-8, 160 A-9, 160 A-10, 160 A-11, 160 A-12, 160 A-13, 160 A-14, 160 A-15, 160 A-16, 160 A-17, 160 A-18, 160 A-19, 160 A-20, 160 A-21, 160 A-22, 160 A-23, 160 A-24, 160 A-25, 160 A-26, 160 A-27, 160 A-28, 160 A-29, 160 A-30, 160 A-31, 160 A-32, 160 A-33, 160 A-34, 160 A-35, 160 A-36, 160 A-37, 160 A-38, 160 A-39, 160 A-40, 160 A-41, 160 A-42, 160 A-43, 160 A-44, 160 A-45, 160 A-46, 160 A-47, 160 A-48, 160 A-49, 160 A-50, 160 A-51, 160 A-52, 160 A-53, 160 A-54, 160 A-55, 160 A-56, 160 A-57, 160 A-58, 160 A-59, 160 A-60, 160 A-61, 160 A-62, 160 A-63, 160 A-64, 160 A-65, 160 A-66, 160 A-67, 160 A-68, 160 A-69, 160 A-70, 160 A-71, 160 A-72, 160 A-73, 160 A-74, 160 A-75, 160 A-76, 160 A-77, 160 A-78, 160 A-79, 160 A-80, 160 A-81, 160 A-82, 160 A-83, 160 A-84, 160 A-85, 160 A-86, 160 A-87, 160 A-88, 160 A-89, 160 A-90, 160 A-91, 160 A-92, 160 A-93, 160 A-94, 160 A-95, 160 A-96, 160 A-97, 160 A-98, 160 A-99, 160 A-100. THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1-1995 SECTION 2.

THIS DWG. PREPARED BY THE ALPINE JOB DESIGNER PROGRAM FROM TRUSS MFR.'S LAYOUT

TOP CHORD 2x4 DF-L #2
 BOT CHORD 2x4 DF-L #2
 WEBS 2x4 DF-L 2x4/Stud
 PLATES DESIGNED FOR GREEN LUMBER PER NDS-07 TABLE 7.3.3.
 SPECIAl LOADS
 TC : From 62 PLF at 2.00 to 62 PLF at 14.00
 BC : 100 LB Cone. Load at 7.00

80 MPH WIND.
 IN LIEU OF RIGID CEILING USE PURLINS: TO BRACE BC @ 120" OC
 10 PSF BC LIVE LOAD PER UBC.



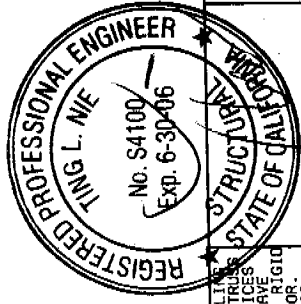
Rv=706# U=180# W=3"8

Rv=706# U=180# W=3"8

DESC. TYP. A1
 PLT. TYP. -WAVE



CAL ASIA TRUSS
 INCORPORATED
 10547 E. Stoughton Blvd.
 Elk Grove, CA 95624
 (916) 685-5648
 Fax: (916) 685-2499



UBC/TPI1995 (STD) QTY= 10 TOTAL= 10
 ***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO AIB-SI, DRINKING AND BRACING PUBLISHED BY TPI TRUSSES AND BRACING INSTITUTE, 583 D. CINCINNATI, WISCONSIN, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CONNECTION AT ALL JOINTS. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATOR'S RECOMMENDATIONS, DESIGN CONSTRUCTION, FOREST AND HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONSTRUCTION, FOREST AND PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION PUBLISHED BY THE AMERICAN FOREST AND PAPER ASSOCIATION) AND TPI. ALPINE CONNECTIONS ARE TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION CONNECTIONS ARE TO BE MADE TO THE TRUSS COMPONENTS. ACCEPTANCE OF THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY PARTICULAR BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSII/TPI 1-1995 SECTION 2.

REV.	DATE	DRWG	SCALE	SEQ
6.33.07	16.22			14238
TC LL	16.0psf	REF		
TC DL	15.0psf	DATE	03-23-2005	
BC DL	7.0psf	DRWG		
BC LL	0.0psf			
TOT. LD.	38.0psf	O/A LEN.	14	
DUR. FAC.	1.25			
SPACING	24.0"	TYPE	CONN	