

CITY OF SACRAMENTO

Permit No: 0115580

1231 I Street, Sacramento, CA 95814

Insp Area: 4

Thos Bros: 277 C6

Site Address: 1584 NEWBOROUGH DR SAC

Parcel No: 225-0370-010

Sub-Type: REP

Housing (Y/N): N

CONTRACTOR

DRAEGER CONST.
4641 PELL DR
SAC, CA. 95838

OWNER

CAPEWELL DEBRA M/DONNA
1584 NEWBOROUGH WY
SACRAMENTO CA 95833

ARCHITECT

Nature of Work: FIRE REPAIR SEE ATTACH WORK REQUEST.

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 B License Number 617610 Date 12-17-01 Contractor Signature Albert Mummerly

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 _____ Owner Signature _____

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 hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 12-17-01 Applicant/Agent Signature Albert Mummerly

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: STATE FUND

Policy Number: 391050BP

Exp Date: 11/25/2002

(This section need not be completed if the permit is for \$100 or less) I certify that 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 12-17-01 Applicant Signature Albert Mummerly

WARNING: FAILURE TO SECURE WORKERS' 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 ATTORNEYS FEE.

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

APPLICATION FOR COMMERCIAL BUILDING PERMIT

CITY OF SACRAMENTO
DEVELOPMENT SERVICES DIVISION
PERMIT SERVICES SECTION

1231 I Street, Rm. 200
 Sacramento, CA 95814 (916) 264-7619 FAX 264-7046

ACTIVITY # <u>0115580</u>	Insp. Area <u>4R</u>
------------------------------	-------------------------

Applicant **MUST** complete ALL Unshaded areas

ADDRESS 1584 NEWBOROUGH DR Suite _____
 PARCEL # _____

<p align="center">CONTACT</p> <p>Name <u>DWANE INMAN</u></p> <p>Street Address <u>4641 PELL DR</u></p> <p>City/State/Zip <u>SACRAMENTO CA</u></p> <p>Phone <u>916 646 6400</u> FAX <u>646 6457</u></p> <p>E-mail: _____</p>		<p align="center">LICENSED CONTRACTOR Lic No. # <u>617610</u></p> <p>Name <u>PRAEGER CONST.</u></p> <p>Address <u>4641 PELL DR.</u></p> <p>City/State/Zip <u>SAC.</u></p> <p>Phone <u>916 646 6400</u> FAX <u>646-6457</u></p> <p>E-mail: _____</p>	
<p align="center">ARCHITECT/ENGINEER</p> <p>Name <u>ERIC LOVE PE.</u></p> <p>Address <u>8303 SIERRA College BLVD</u></p> <p>City/State/Zip <u>ROSEVILLE CA 95661-9485</u></p> <p>Phone <u>916 797-1503</u> FAX <u>916 797-1114</u></p> <p>E-mail: _____</p>		<p align="center">OWNER</p> <p>Name <u>DISCOVERY Village CONDOS</u></p> <p>Address <u>1584 NEWBOROUGH DR. #4</u></p> <p>City/State/Zip <u>SACRAMENTO, CA. 95833</u></p> <p>Phone _____ FAX _____</p> <p>E-mail: _____</p>	

→ Will permittee have any employees on the jobsite? No Yes → INSURANCE CO: BARLOCKERS
 → WORKER'S COMPENSATION POLICY: _____ EXPIRATION DATE: _____

NATURE OF WORK IN DETAIL: see attach work request
FIRE RETARDANT

OCCUPANT/TENANT:						VALUATION: \$				
FLOOD STATUS:				S.C.A.T.						
JOB DESCRIPTION		BLDG	SHELL	APT	TI()	REM()	SW	FIRE	ADD	OTH
INSPECTION DISCIPLINES		BLDG	MECH	PLUMB	ELEC	SITE	FIRE			
# Stories	1st firArea	Total Area	Use Zone	Occp Group	Const type	Fire Req. Y/N		Fed Code	Vio. File	
				<u>R3</u>		SPR	ALARM	<u>1A</u>	[H]	[Quad]
<u>B</u>	<u>L</u>	<u>P</u>	<u>M</u>	<u>E</u>	<u>F</u>	<u>S</u>	<u>D</u>	<u>AL</u>	PW	UTIL

COMMENTS: Route Building only

REGIONAL SANITATION FEES? Yes No HEALTH DEPARTMENT? Yes No
 WATER FLOW TEST FOR NEW BUILDINGS OR ADDITIONS? Provided Faxed



Engineering and Fire
Investigations

1231 J S...

011 5580
1584 Newborough Dr

8303 Sierra College Blvd.
Suite 130
Roseville, CA 95661-9485
Tel: 916-797-1503
Fax: 916-797-1114
www.efiinfo.com

November 6, 2001

Peter Rooney
Draeger Construction
4661 Pell Drive, Suite 16
Sacramento, CA 95838

1584 Newborough Dr
Sacramento Building Division

Re: Discovery Village Condominiums Truss Repair
1584 Newborough Drive, Unit #4
Sacramento, CA 95833
EFI Job Number: 94605-17981

Dear Mr. Rooney:

You contacted ENGINEERING AND FIRE INVESTIGATIONS regarding the damaged trusses at Unit #4 of the Discovery Village Condominiums located at the above referenced address. You indicated that the trusses had been cut during the fire suppression. You requested us to inspect the trusses and provide repair recommendations as needed in letter format. We have visited the site and found that there were a total of six trusses structurally damaged by the fire suppression, and there were four trusses that were charred at the rafter tails during the fire.

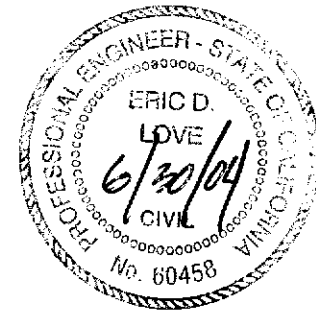
As requested, we have provided specific repair recommendations for the damaged trusses, and the necessary calculations have been performed. Please see the attached repair sketches (sheets R-1 through R-3) and calculations (sheets C-1 through C-6).

If you should have any further questions or comments please do not hesitate to call.

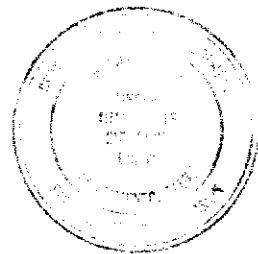
Sincerely,

Engineering and Fire Investigations

Eric Love, P.E.



enclosures: Repair Sketches R-1 through R-3
Calculation Pages C-1 through C-6

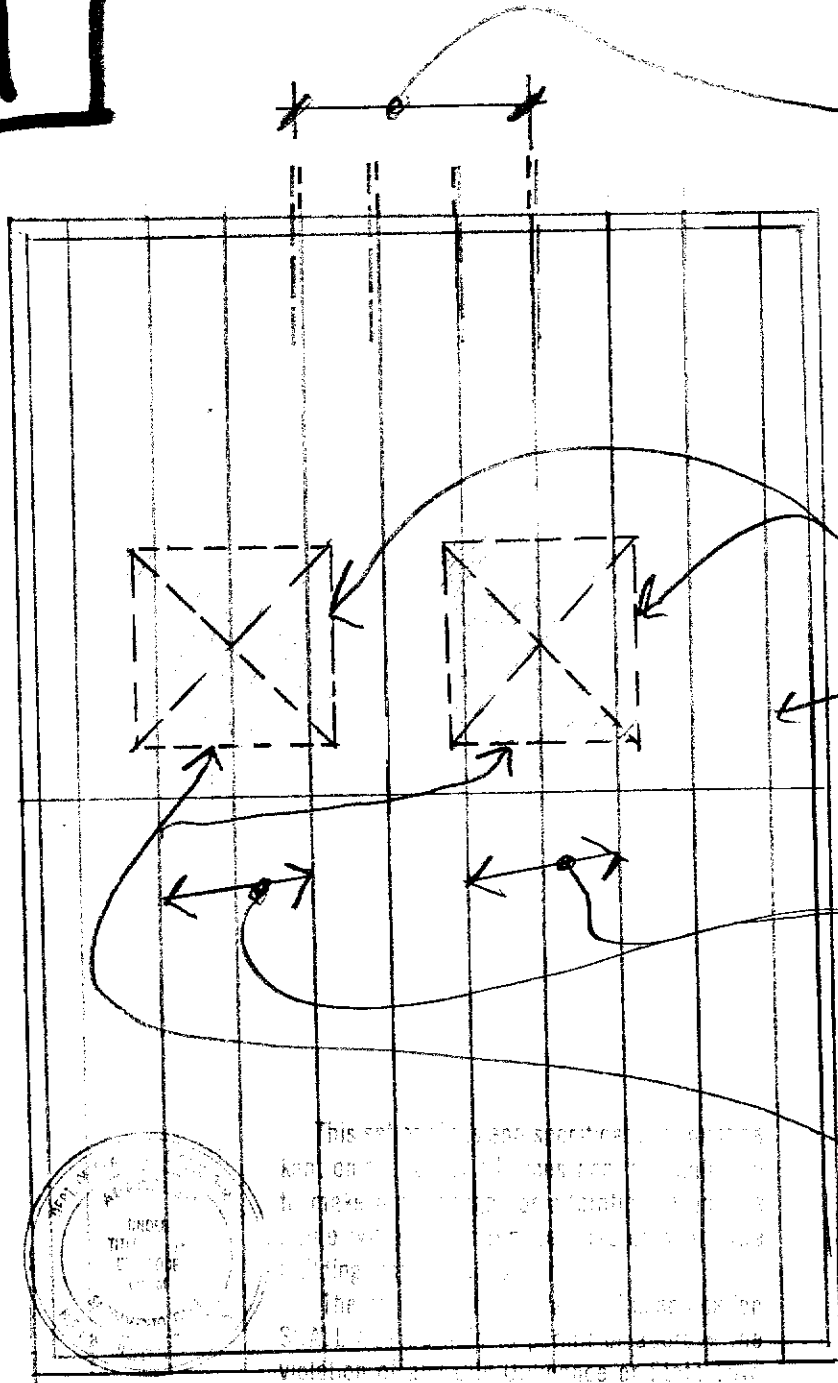


This set of plans and specifications must be held as the true and correct copy at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Division.

The Building Division shall not be held to permit or approve the violation of any City Ordinance or State Law.

John Tange

R-1



(4) TRUSS TAILS
AFFECTED
(CHARRED) - CUT
AND REPLACE
TAILS PER
DETAIL ①

VENT HOLES CUT
BY FIRE DEPT.
EXISTING TRUSSES
TO REMAIN, TYP.

(6) TRUSSES TOTAL
AFFECTED BY
VENT CUTTING -
SEE DETAIL ②

PATCH SHEATHING
TO MATCH EXISTING
AND BLOCK EDGES

← N

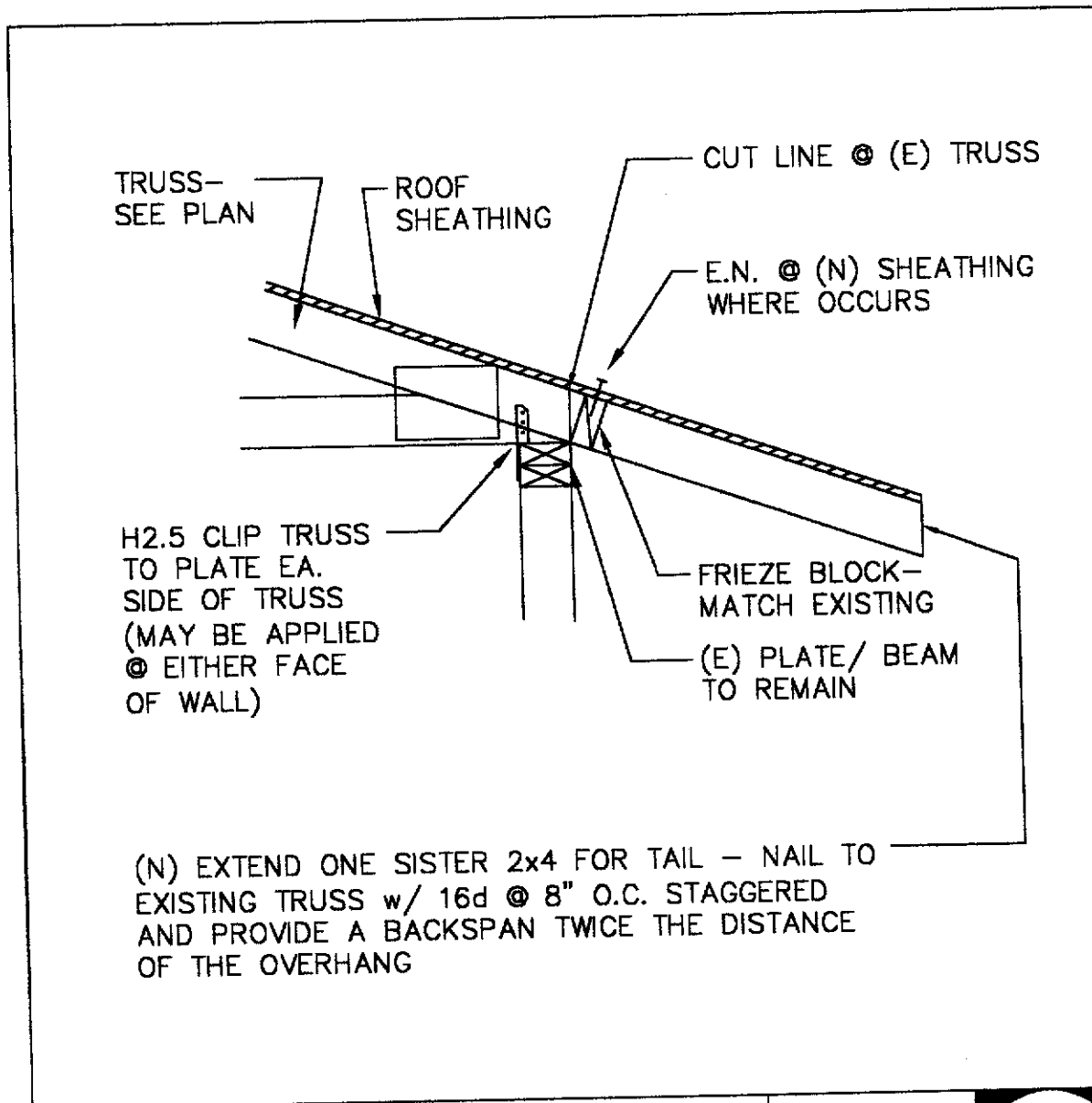
PLAN VIEW OF TRUSSES - NO SCALE

R-1



Prepared By: EDL	Location: ~	Scale: ~
File Name: (*4) DISCOVERY VILLAGE	File No.: 94605-17981	Date: ~

For illustrative purposes only. May not accurately represent scenes full layout or dimensions.



TRUSS TAIL REPAIR

SCALE
NONE

1



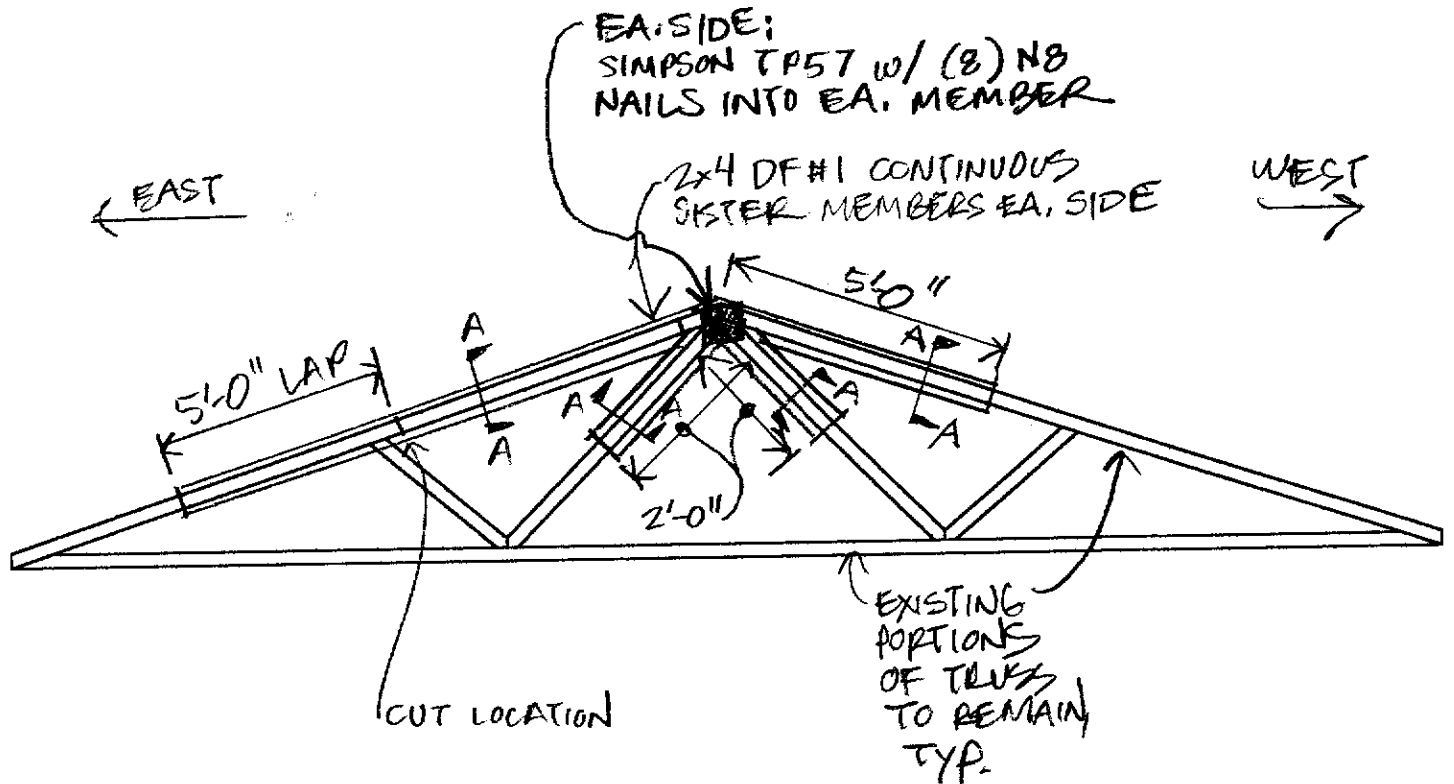
This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the building inspection division.

The approval of this plan and specification does not constitute an endorsement of the work or materials used in the same.

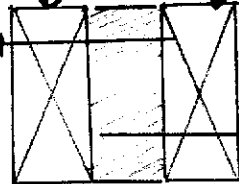
R-2

TRUSS REPAIR DETAIL

2



8ga CUT THREAD
x 3" WOOD SCREWS
@ 8" O.C.



(N) 2x4 DF#1
EA. SIDE OF EXISTING
MEMBER

8ga CUT THREAD x 3"
WOOD SCREWS @ 8" O.C.

SECTION A-A

R-3

Prepared By: EDL	Location: ~	Scale: ~
File Name: DISCOVERY VILLAGE	File No.: 94605-17981	Date: ~

01

Criteria:

Project: DISCOVERY VILLAGE UNIT #4 TRUSS REPAIR

Sacramento City [B], California
Job No. 94605-17981

Code: 1997 UBC	Wind speed	N/A	Wind Exposure	N/A	Seismic Zone	N/A
----------------	------------	-----	---------------	-----	--------------	-----

Roof Loading:

Live Loads	Roof Pitch	Live Load (psf)	Snow Load (psf)
Case "a"	4 :12	16	n/a
Case "b"	4 :12	16	n/a

Case "a"

Roofing, psf	5.0
Sheathing	1.5
Framing	2.8
Miscellaneous	1.4
Subtotal, psf	10.7

Case "b"

Roofing, psf	5.0
Sheathing	1.5
Framing	2.8
Miscellaneous	1.4
Subtotal, psf	10.7

Slope Correction =	1.054	Case "a"
$1/(\cos(\text{atan}(\text{slope})))$	1.054	Case "b"

Ceiling Loads

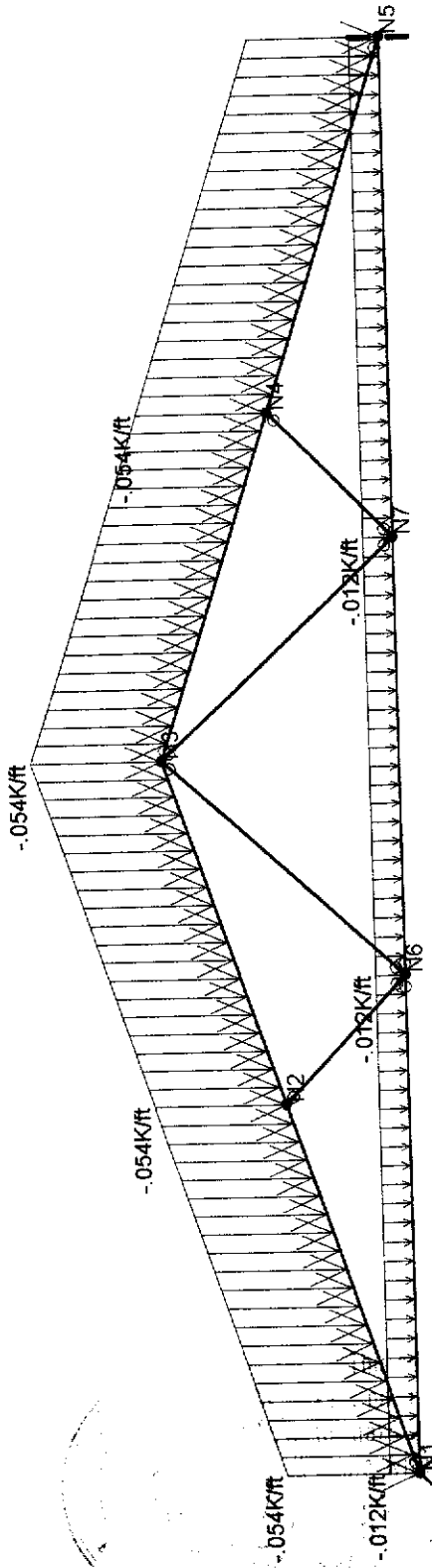
Finish, psf	2.8
Framing	1.2
Insulation	1.0
Miscellaneous	1.0
Total, psf	6.0

Ceiling Live Load =
10 psf
(Need not be
considered with other
live loads)

Total Roof Loads

Max Roof Load Duration =	1.25	Dead Load w/o	Dead Load w/ Ceiling	Live Load	D+L w/o Ceiling	D+L w/ Ceiling
Case "a"		11	17	16	27	33
Case "b"		11	17	16	27	33

This document and specifications must be
approved by the City and it is unlawful
to use any other specifications from the
City of Sacramento without the permission from the
City Engineer.
Approval of this plan and specification
is given on the condition that the permit or approval of the
City Engineer is required by the State law.



C2

November 6, 2001

7:53 AM

truss-repair.r2d

DISCOVERY VILLAGE CONDOMINIUMS REPAIR

Truss Loading

Loads: LC 1, ROOF D+L

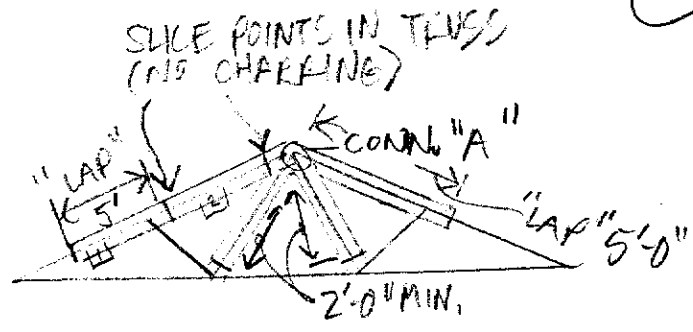


Eric D. Love

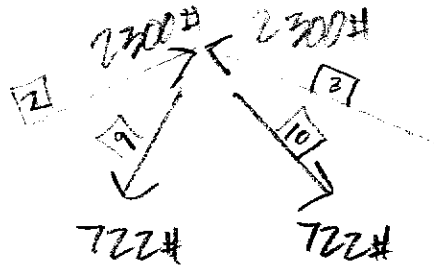
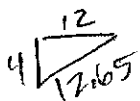
94605-17981

(C3)

TRUSS REPAIR



CONN. "A"



USE 8 ga. WOOD SCREWS
 FOR MEMBER CONNECTIONS
 GF 135#(1.25) = 169# / screw

USE SIMPSON TP & NB NAILS
 @ JOINT GF 86(1.25) = 108# / nail

→ Members 2 & 3: HORIZ. COMPONENT CANCELS w/ HORIZ. FROM OPPOSITE TOP CH.
 VERT. COMPONENT = $2300 \left(\frac{4}{12.65} \right) = 727 \#$

OF NAILS = $727 / 108 = 6.73$ (USE (8) NB) } SIMPSON TP57
 (USE (8) NB)

→ Members 9 & 10: # OF NAILS = $722 / 108 = 6.68$

TYP. SISTERING PATTERN = 2x4 EA. SIDE w/ 8 ga SCREWS @ 8" O.C.
 GF $169 \# \left(\frac{12}{8} \right) (2) = 507 \# / ft$

LAP w/ (E) WEBS @ 1" 9 & 1" 10
 = $722 / 507 = 1.42$ SAY 2 FT LAP

"LAP"

A = 2300# : LAP = $2300 / 507 \# / ft = 4.53'$ | say 5 ft LAP



EFI

FORM 8010

Prepared By: EDL	Location: ~	Scale: ~
File Name: DISCOVERY VILLAGE #4	File No.: 94605-17981	Date: ~

For illustrative purposes only. May not accurately represent scenes full layout or dimensions.

04

Designer : Eric D. Love
Job Number : 94605-17981 **DISCOVERY VILLAGE CONDOMINIUMS REPAIR**

Global

Steel Code	AISC 9th Edition ASD
Allowable Stress Increase Factor (ASIF)	1.333
Include Shear Deformation	Yes
No. of Sections for Member Calcs	5
Redesign Sections	Yes
P-Delta Analysis Tolerance	0.50%

Joint Coordinates

Joint Label	X Coordinate (Ft)	Y Coordinate (Ft)	Joint Temperature (F)
N1	0	0	0
N2	7.73	2.57	0
N3	14.98	4.99	0
N4	22.23	2.57	0
N5	29.96	0	0
N6	10.4	0	0
N7	19.57	0	0

Member Data

Member Label	I Joint	J Joint	Rotate (degrees)	Section Set	End Releases		End Offsets		Inactive Code	Member Length (Ft)
					I-End AVM	J-End AVM	I-End (In)	J-End (In)		
M1	N1	N2		2X4	PIN					8.146
M2	N2	N3		2X4						7.643
M3	N3	N4		2X4	PIN					7.643
M4	N4	N5		2X4		PIN				8.146
M5	N1	N6		2X4		PIN				10.4
M6	N6	N7		2X4	PIN					9.17
M7	N7	N5		2X4						10.39
M8	N2	N6		2X4	PIN	PIN	.15	.15		3.706
M9	N6	N3		2X4	PIN	PIN	.15	.15		6.773
M10	N3	N7		2X4	PIN	PIN	.15	.15		6.78
M11	N7	N4		2X4	PIN	PIN	.15	.15		3.699

Wood Material Parameters

Wood Set Label	NDS Species Database	Fb (Ksi)	Ft (Ksi)	Fv (Ksi)	Fc (Ksi)	E (Ksi)	Mod Ratio	Poisson's Ratio	Therm Coef. (10 ⁻⁵ F)	Weight Density (K/ft ³)
2X4	DFLARN02_2X4	9	.575	.095	1.35	1600	1	.3	.3	.035

Sections

Section Label	Database Shape	Material Label	Area (In ²)	SA (0,180)	SA (90,270)	I (90,270) (In ⁴)	I (0,180) (In ⁴)	T/C Only
2X4	DFLARN02_2X4	2X4	5.25	1.2	1.2	.984	5.359	

CS

Distributed Load Patterns

Pattern Label	Direction	Start Magnitude (K/ft, F)	End Magnitude (K/ft, F)	Start Location (Ft or %)	End Location (Ft or %)
UNIFORMY	Y	-1	-1	0	0

Member Distributed Loads, Category : DL, BLC 1 : ROOF DEAD LOAD

Member Label	I Joint	J Joint	Load Pattern Label	Pattern Multiplier
M1	N1	N2	UNIFORMY	.022
M2	N2	N3	UNIFORMY	.022
M3	N3	N4	UNIFORMY	.022
M4	N4	N5	UNIFORMY	.022
M5	N1	N6	UNIFORMY	.012
M6	N6	N7	UNIFORMY	.012
M7	N7	N5	UNIFORMY	.012

Member Distributed Loads, Category : LL, BLC 2 : ROOF LIVE LOAD

Member Label	I Joint	J Joint	Load Pattern Label	Pattern Multiplier
M1	N1	N2	UNIFORMY	.032
M2	N2	N3	UNIFORMY	.032
M3	N3	N4	UNIFORMY	.032
M4	N4	N5	UNIFORMY	.032

Load Combinations

Num	Description	Env	WS	PD	SRSS	CD	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	ROOF D+L					1.25	1	1	2	1				

Member Section Forces, LC 1 : ROOF D+L

Member Label	Section	Axial (K)	Shear (K)	Moment (K-ft)
M1	1	2.725	0.167	0
	2	2.69	0.061	-0.232
	3	2.654	-0.046	-0.247
	4	2.619	-0.153	-0.044
	5	2.583	-0.26	0.377
M2	1	2.313	0.25	0.377
	2	2.279	0.15	-0.004
	3	2.246	0.049	-0.194
	4	2.212	-0.051	-0.193
	5	2.179	-0.151	0
M3	1	2.218	0.151	0
	2	2.251	0.051	-0.193
	3	2.285	-0.049	-0.195
	4	2.318	-0.149	-0.005
	5	2.352	-0.25	0.377
M4	1	2.621	0.26	0.377
	2	2.657	0.153	-0.044
	3	2.692	0.046	-0.247
	4	2.728	-0.061	-0.232
	5	2.763	-0.167	0

CL6

November 6, 2001
8:22 AM
Checked By: _____

Designer : Eric D. Love
JOB NUMBER : 94609-17981 DISCOVERY VILLAGE CONDOMINIUMS REPAIR

Member Section Forces, LC 1 : ROOF D/L (continued)

Member Label	Section	Axial (K)	Shear (K)	Moment (K-ft)
M5	1	-2.537	0.069	0
	2	-2.537	0.035	-0.135
	3	-2.537	0	-0.179
	4	-2.537	-0.035	-0.135
	5	-2.537	-0.069	0
M6	1	-1.629	0.046	0
	2	-1.629	0.016	-0.071
	3	-1.629	-0.015	-0.071
	4	-1.629	-0.045	-0.002
	5	-1.629	-0.076	0.137
M7	1	-2.569	0.082	0.137
	2	-2.569	0.048	-0.032
	3	-2.569	0.013	-0.111
	4	-2.569	-0.021	-0.1
	5	-2.569	-0.056	0
M8	1	0.58	0.002	0
	2	0.58	0.001	-0.001
	3	0.581	0	-0.001
	4	0.582	-0.001	-0.001
	5	0.583	-0.002	0
M9	1	-0.716	0.005	0
	2	-0.717	0.004	-0.007
	3	-0.719	0.002	-0.012
	4	-0.721	0.001	-0.015
	5	-0.722	-0.001	-0.014
M10	1	-0.775	0.003	0
	2	-0.773	0.001	-0.004
	3	-0.772	0	-0.005
	4	-0.77	-0.001	-0.004
	5	-0.769	-0.003	0
M11	1	0.582	0.002	0
	2	0.581	0.001	-0.001
	3	0.581	0	-0.002
	4	0.58	-0.001	-0.001
	5	0.579	-0.002	0



The user must be aware that the specifications must be followed for the design of the structure. The user must be aware that the specifications must be followed for the design of the structure.