

**CITY OF SACRAMENTO**  
1231 I Street, Sacramento, CA 95814

**Permit No: 9905567**  
**Insp Area: 2**

**Site Address: 7704 WILLOW POINT WY SAC**  
Parcel No: 031-1290-044

Sub-Type: NSFR  
Housing (Y/N): N

CONTRACTOR

OWNER

ARCHITECT

MALDONADO ROBERT/MONICA M  
3940 MARSALLA CT  
SACRAMENTO CA 95820

**Nature of Work:** CONSTRUCT NEW SFD

**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 River City Bank Lender's Address Howe Ave

**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 11-8-99 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 11-8-99 Applicant/Agent Signature \_\_\_\_\_

**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 11-8-99 Applicant Signature \_\_\_\_\_

**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.**

OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNERS

An owner-builder building permit has been applied for in your name and bearing your signature.

Please complete and return this information in the envelope provided at your earliest opportunity to avoid unnecessary delay in processing and issuing your building permit. No building permit will be issued until this verification is received.

1. I personally plan to provide the major labor and materials for construction of the proposed Improvement (yes or no) \_\_\_\_\_

2. I (have/have not) \_\_\_\_\_ signed an application for A building permit for the proposed work.

3. I have contracted with the following person (firm) to provide the proposed construction:

Name JC Construction Inc Address \_\_\_\_\_  
City Rossmore Telephone \_\_\_\_\_

Contractors License No. \_\_\_\_\_


4. I plan to provide portions of the work, but I have hired the following person to coordinate, Supervise, and provide the major work.

Name Robert Malinowski Address 4041 9<sup>th</sup> Ave  
City St. Louis Telephone 916 456 0465

Contractors License No. \_\_\_\_\_

5. I will provide some of the work but I have contracted (hired) the following to provide the Work indicated:

Name	Address	Phone	Type of work
<u>Same as 4</u>			

Signed 

Job Address 7204 Willow Point Way

Permit No. 9905567

# SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

## CERTIFICATE OF COMPLIANCE

### SCHOOL DISTRICT DEVELOPMENT FEES

PROPERTY OWNER'S NAME <b>ROBERT MAIDINADO</b>	
OWNER'S ADDRESS <b>6641 1st Ave East</b>	
PROJECT ADDRESS <b>7704 Willow Point Way</b>	
PARCEL NUMBER <b>21150 0111</b>	LOT NUMBER <b>18</b>
SUBDIVISION NAME	
NUMBER OF UNITS	
APPLICANT'S SIGNATURE <i>[Signature]</i>	
TITLE OF APPLICANT	
DATE <b>11/8/99</b>	TELEPHONE NUMBER <b>916 456 0465</b>
PLAN IDENTIFICATION NUMBER <b>9905567</b>	
BUILDING TYPE (CHECK ONE)	
<input checked="" type="checkbox"/> RESIDENTIAL <input type="checkbox"/> APARTMENT/CONDOMINIUM <input type="checkbox"/> COMMERCIAL/INDUSTRIAL	
SQUARE FEET OF CHARGEABLE BUILDING AREA <b>3981</b>	
SIGNATURE <i>[Signature]</i>	
TITLE <b>Bldg Insp.</b>	DATE <b>11/8/99</b>
DISTRICT CERTIFICATION NUMBER <b>10674</b>	
EXEMPT	COMMENTS
RESIDENTIAL / APARTMENT / ETC.	<b>3981</b> SQ. FT. X \$ <b>1.72</b> = \$ <b>6847.32</b>
COMMERCIAL / INDUSTRIAL	_____ SQ. FT. X \$ _____ = \$ _____
OTHER FEE <b>MRC</b> TYPE <b>CREDIT</b>	_____ SQ. FT. X \$ _____ = \$ <b>(907-)</b>
TOTAL FEES COLLECTED..... \$ <b>5940.32</b>	
<p><i>This certification covers only the amount of square footage indicated above. Any additions or corrections to the square footage for this project will require an amendment to the Certificate of Compliance.</i></p> <p><i>As the authorized school district official, I hereby certify that the requirements of Government Code Section 65995 and any other authorized requirements have been complied with by the above signed applicant.</i></p>	
SIGNATURE <i>[Signature]</i>	
TITLE <b>MRC CENTER PERMITS</b>	DATE <b>11/8/99</b>

Department of Planning and Development  
Building Inspection Division

Grading and Erosion Control Questionnaire

To be completed for all residential new construction and additions

**PART I** (To be completed by applicant)

Site Address 7704 Willow Point Hwy A.P.N. 721-1-001-114

Applicant Information

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Phone \_\_\_\_\_

Project Information (Check One)

Single Family Dwelling   
Duplex \_\_\_\_\_  
Triplex \_\_\_\_\_  
Deep Lot Development \_\_\_\_\_

**PART II** (To be completed by the applicant when the project is not a part of a larger subdivision)

Are there existing structures on site?  Y  N

Does the site front on a paved road?  Y  N \*

Is the site higher than the crown of adjacent road?  Y  N \*

Is the proposed building site higher than the back of the sidewalk or curb?  Y  N \*

Describe existing frontage improvements along road.

Ditch \*  Curb and Gutter  Curb, Gutter, and Sidewalk

The direction of drainage on this site is:

Front to Rear \*  Rear to Front  Side to Side \*

Does an adjacent site drain across this parcel?  Y \*  N

Does this site have an existing low area or drainage swale?  Y \*  N

Will construction require cut or fill on site? (\* >50FT3 or >2FT)  Y  N

- How much cut? N/A Yards  
- How much fill? \_\_\_\_\_ Yards

Depth  Y \*  N  
Depth  Y  N

Has building site been previously been filled?  Y \*  N

Will existing drainage be re-routed?  Y \*  N

Do you plan to construct or modify culverts or drainage ditches?  Y \*  N

Print Name FRANCESCO MALUSARDO Title OWNER/ENGINEER

Signature \_\_\_\_\_ Date 11-8-99  
Owner or Contractor

**PART III** (To be completed by staff)

What is the acreage of the parcel to be built on? 1/2 Acres.

If greater than 1/2 acre has an approved erosion and sediment control plan been provided?  Y  N

If greater than 5 acres has the applicant provided a copy of the State General Permit NOI and the SWPPP?  Y  N

Is the parcel to be built on part of a larger subdivision?  Y  N  
Subdivision Name: Willow Point

If yes has an approved erosion and sediment control plan been provided?  Y  N

If the original subdivision is greater than 5 acres has the applicant provided a copy of the State General Permit NOI and the SWPPP?  Y  N

Is grading and drainage approval required prior to permit issuance?  Y  N  
Approved by: \_\_\_\_\_ Date: 11/8/99

Building permit #: 99055672

White Copy - Permit Jacket  
Yellow - Utilities  
Pink - Bldg. Div.

City of Sacramento Development Services Division  
Planning and Zoning Information Request

Project Address: Lot 18 7704 Willow Point

Assessor's Parcel Number: 031-4270-044

PREVIOUS USE: Ball Field

Current Land Use: Residential

Description of Request/Proposed Use: New Home

IS THIS A CHANGE OF USE? No

Zoning Designation: R-1 OK

Prior Applications for Project Site(P#,Z#,DRPB#): N/A

Comments: New home permit

Lot Coverage: ± ~~8625~~ 9,438 #

SBV OR: .4 = ~~3450~~ 3,775 #

under 7 #

check per R-1

Are There Any Planning Issues?: (Circle One) YES  NO

STAFF Site Plan Check Required? (Circle One) YES  NO

FIELD INSPECTION REQUIRED (Circle One) YES  NO

Design Review/ Preservation Required?: (Circle One) YES  NO

Planning Review by/Date: Wes Tigone 6/1/99

**Richard Dills, Structural  
Engineer**

9010 Laguna Place Way  
Elk Grove, CA 95758

1/2

March 13, 2000

JC Construction  
800 Micro Court, #507  
Roseville, CA 95678

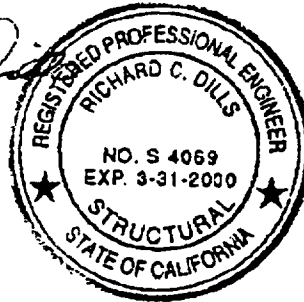
Attention Mr. Jim Clark:

Per the attached sheet, which you faxed to me regarding the Maldonado residence – job 98013, the following changes are acceptable:

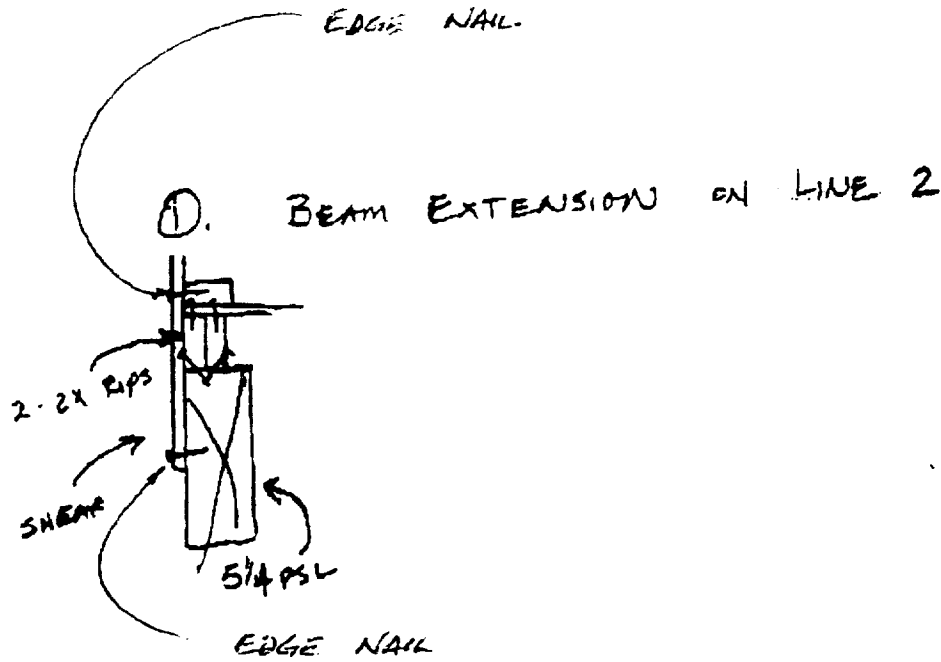
1. Beam extension on line 2.
2. The CMST 12 strap at nook may be eliminated.
3. The engagement of line 2 (item 3 attached – note studs @ 24" minimum)

Sincerely

*Richard C. Dills*  
Richard Dills, S E

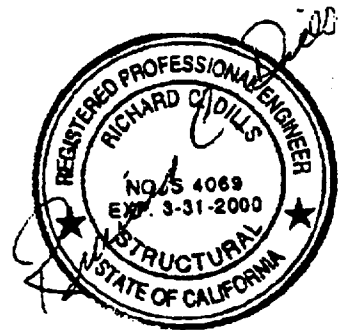
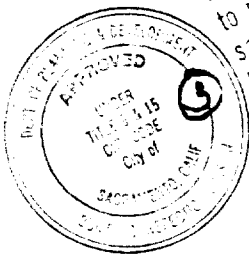


2/2

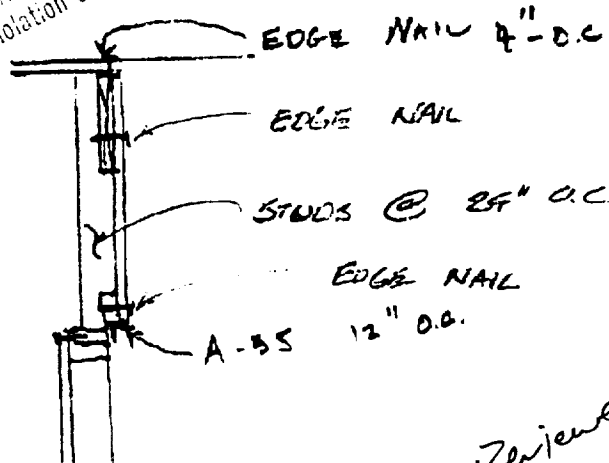


②. EMBEDMENT OF CMST 12 AT JOCK OK

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 be held to permit or approve the violation of any City Ordinance or State Law.



**ENGINEERMENT**



Reviewed by MCH P-7/P/00

1/12

February 16, 2000

Kevin Fong Design  
2 Blue Dunn Court  
Sacramento, CA 95831

*Inspector Copy*

Attn.: Kevin Fong

Re: Job 98013 - Deck Beam Framing Change & Various

Per our discussion and my site visit and discussion with Mr. Jim Clark at the Maldonado residence - located at Lot #18, Willow Point, Sacramento, CA., the following items are addressed:

1. The framing plan for the second story deck may be modified per the calculations and details attached.
2. Beam "B" may be clipped on the compression face as long as the depth is left as a minimum 5 1/2".
3. The 2X10 hip on the upper story shall be changed to a double 1 3/4" X 117/8" LVL.
4. The bathroom wall has been realigned to provide better support for the stairs.
5. The, "as-built" shearwall lengths were measured and compared with those lengths listed on the design drawings and the capacity is still greater than the demand in both shear and overturning. No further modification is necessary to either the shearwall lengths or holdowns - except at the following locations:

The second story shearwall at line 2 needs to engage the roof diaphragm to function as a shearwall. A cripple wall detail is supplied here which engages the roof diaphragm.

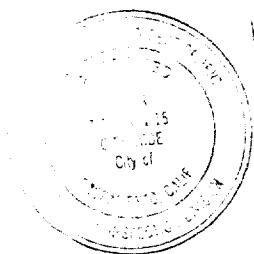
The shearwall at line gridline "D" - second story bedroom shall be double sided with same nailing as called out on the plans to account for inadequate nailing on outer structural panel sheathing.

6. The two beams, which were drilled to accept holdowns, were checked for capacity in both shear and bending and found to be adequate.

Because of the nature of manufacture, notching of the bottom flange of either an LVL or PSL is allowed as long as the net section is used for analysis. In this case, we have used a 3 1/2" X 117.8" LVL and reduced the section by 17/8" making a piece of lumber that is 3 1/2" X 10". Because of the relatively new nature of these products, Truss Joist MacMillan has sent out literature on this subject in the past and a letter will be forthcoming.

A glulam beam GLB is manufactured differently than either an LVL or a PSL. The laminations are of different type of wood in the tension flange and the web of the girder. Thus, a GLB is uniform in character from side to side (X-X axis) and non-uniform from top to bottom (Y-Y axis) - notching of the tension flange would result in a dramatic difference in performance. However, no notching of the tension flange has taken place on this project. The holes were bored such that material was removed from the middle of the beam (X-X axis). Additionally, these holdowns were mounted in an area where shear controls the design not bending. GLB's have been in use for a number of years and the principals discussed here are available in the Timber Construction Manual. No letter from the manufacturer will be forthcoming.

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*Reviewed by Matt P. 7/10/00*



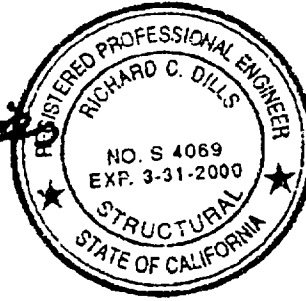
2/18

7. The 4X12 cantilever supporting the hip at the second story entrance was observed and checked, this framing detail modification is acceptable.

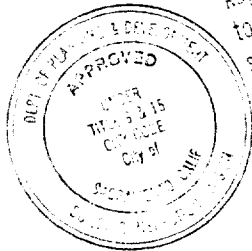
8. The penetration of the shearwall by the electrical panel box is acceptable, providing the edges are strapped and blocked with CS16 at least one bay on each side.

Sincerely,

*Richard C. Dills*



Richard Dills, P.E., S.E.  
901J Laguna Place Way  
Elk Grove, CA 95758



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98013 FONG

RC DILLS, SE.

B/M

REVISED DECK BEAM CALC'S

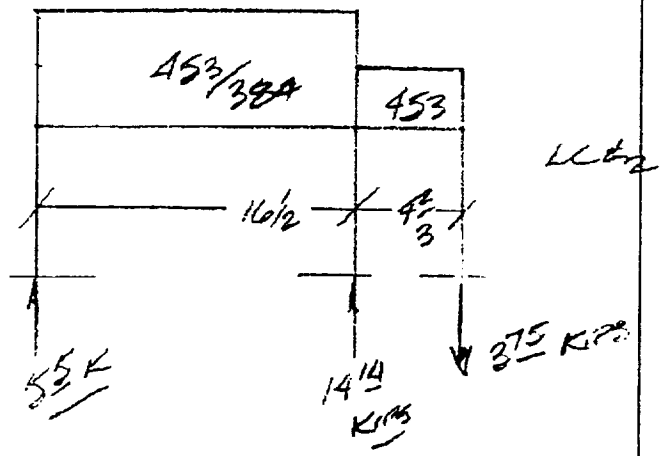
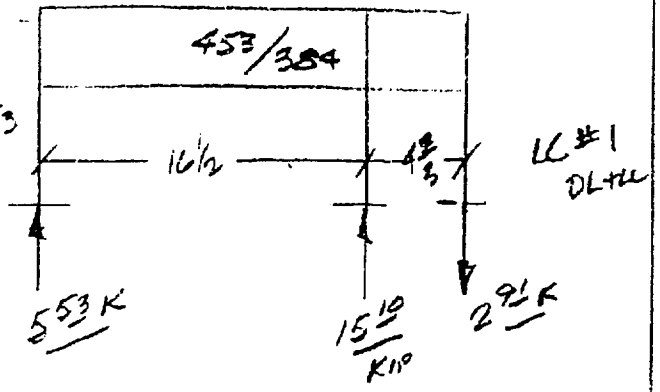
22-141 50 SHEETS  
22-142 100 SHEETS  
22-144 200 SHEETS



Pool Spill Deck

$$\begin{aligned}
 D_R &= 9(27) = 243 \\
 D_W &= 90 \text{ plf} \\
 D_F &= \frac{12}{2}(20) = 120 \text{ plf} \\
 \hline
 &= 453
 \end{aligned}$$

$$\begin{aligned}
 L_R &= 9(16) = 144 \\
 L_F &= 6(40) = 240 \\
 \hline
 &= 384
 \end{aligned}$$



CHECK "L"

FOR MAX REACTION FROM BECK.

UPLIFT OF 0.026 IN OK LL 1/8"

Richard Dills, Structural Engineer  
 9010 Laguna Place Way  
 Elk Grove, CA 95758  
 916-799-7999  
 916-691-3160

Title: Maldonado Residence, #18 Willow Poi Job # 98013  
 Dsgnr: Kevin Fong Date: 8:05AM, 30 DEC 99  
 Description: Single family residence - two story - conventional framing and flooring  
 Scope: lateral force, shearwalls, beams, columns  
 Plan Review Comments

Rev: 512002  
 User: KVF-596241 ver 3.13.22 Jun-99 v14102  
 12/18/99 ENERCALC

**Multi-Span Timber Beam**

Page 1  
 enercalc:1998/99013 edw Calculations

Description Deck & Pool Room - Revised Layout: Load Case #1

**General Information**

Truss Joist - MacMillan, MicroLam 1.8E VV Fb: Basic Allow 2,600.0 psi Elastic Modulus 1,800.0 ksi  
 All Spans Considered as individual Beams Fv: Basic Allow 285.0 psi Load Duration Factor 1.000  
 Calculations are designed to 1997 NDS and 1997 UBC Requirements

**Timber Member Information**

Description		Span 1	Span 2
Span	ft	16.50	4.67
Timber Section		Prlm: 4.375x14	Prlm: 4.375x14
Beam Width	in	4.375	4.375
Beam Depth	in	14.000	14.000
End Fixity		Pin - Pin	Pin - Pin
Le. Unbraced Length	ft	2.00	2.00
Member Type			

**Loads**

Live Load Used This Span?		Yes	Yes
Dead Load	#/ft	453.00	453.00
Live Load	#/ft	384.00	384.00

**Results**

Mmax @ Cntr	in-k	341.8	27.4
@ X =	ft	8.25	2.33
Max @ Left End	in-k	0.0	0.0
Max @ Right End	in-k	0.0	0.0
fb: Actual	psi	2,391.7	191.6
Fb: Allowable	psi	2,587.9	2,587.9
		Bending OK	Bending OK
Shear @ Left	k	6.91	1.95
Shear @ Right	k	6.91	1.95
fv: Actual	psi	146.6	24.3
Fv: Allowable	psi	285.0	285.0
		Shear OK	Shear OK

**Reactions & Deflection**

DL @ Left	k	3.74	1.06
LL @ Left	k	3.17	0.90
Total @ Left	k	6.91	1.95
DL @ Right	k	3.74	1.06
LL @ Right	k	3.17	0.90
Total @ Right	k	6.91	1.95
Max. Deflection	in	-0.775	-0.005
@ X =	ft	8.25	2.33

**Query Values**

Location	ft	0.00	4.67
Moment	in-k	0.0	0.0
Shear	lbs	6.9	-2.0
Deflection	in	0.0000	0.0000

$6'9" + 175 = 886 \text{ KIP#}$

USE 3' x 3' FOOTINGS

Richard Dills, Structural Engineer  
 9010 Laguna Place Way  
 Elk Grove, CA 95758  
 916-799-7999  
 916-691-3160

Title: *MAXIMUM RES* Job #  
 Dsgnr: Date: 8:03AM, 30 DEC 99  
 Description:  
 Scope:

*5/12*

Rev: 510300  
 User: KRW-0502651, Ver: A 1.3, 22-Jun-1997, W: 102  
 ID: 1983-00 EVERCALC

**Timber Column Design**

Page 1

2:\en4rcalc\99start.ecw Calculations

Description Max Load, No 2 - D.F., 4x4, 9' Plate

**General Information**

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Wood Section	4x4	Total Column Height	9.00 ft	Le XX for Axial	9.00 ft
Rectangular Column		Load Duration Factor	1.25	Le YY for Axial	9.00 ft
Column Depth	3.50 in	Fc	700.00 psi	Lu XX for Bending	9.00 ft
Width	3.50 in	Fb	750.00 psi		
Sawn		E - Elastic Modulus	1,300 ksi		
		Douglas Fir - Larch No 2			

**Loads**

	Dead Load	Live Load	Short Term Load
Axial Load	4,336.25 lbs	0.00 lbs	0.00 lbs
Eccentricity	0.000 in		

**Summary**

Column OK

Using 4x4, Width= 3.50in, Depth= 3.50in, Total Column Ht= 9.00ft

	DL + LL	DL + LL + ST	DL + ST
f <sub>c</sub> Compression	353.98 psi	353.98 psi	353.98 psi
F <sub>c</sub> Allowable	354.01 psi	367.35 psi	367.35 psi
f <sub>bx</sub> Flexural	0.00 psi	0.00 psi	0.00 psi
F <sub>bx</sub> Allowable	1,125.00 psi	1,406.25 psi	1,406.25 psi
Interaction Value	0.9999	0.9636	0.9636

**Stress Details**

F <sub>c</sub> X-X	354.01 psi	Max k*Lu / d	50.00
F <sub>c</sub> Y-Y	354.01 psi	Actual k*Lu/d	25.86
F <sub>c</sub> Allowable	354.01 psi	Min. Allow k*Lu / d	11.00
F <sub>c</sub> Allow * Load Dur Factor	367.35 psi	C <sub>f</sub> : Bending	1.500
F <sub>bx</sub>	1,125.00 psi	R <sub>b</sub> : (L <sub>e</sub> d / b <sup>2</sup> ) <sup>1.5</sup>	7.535
F <sub>bx</sub> * Load Duration Factor	1,406.25 psi	C <sub>f</sub> : Axial	1.150
		Axial X-X k Lu / d	30.86
		Axial Y-Y k Lu / d	30.86

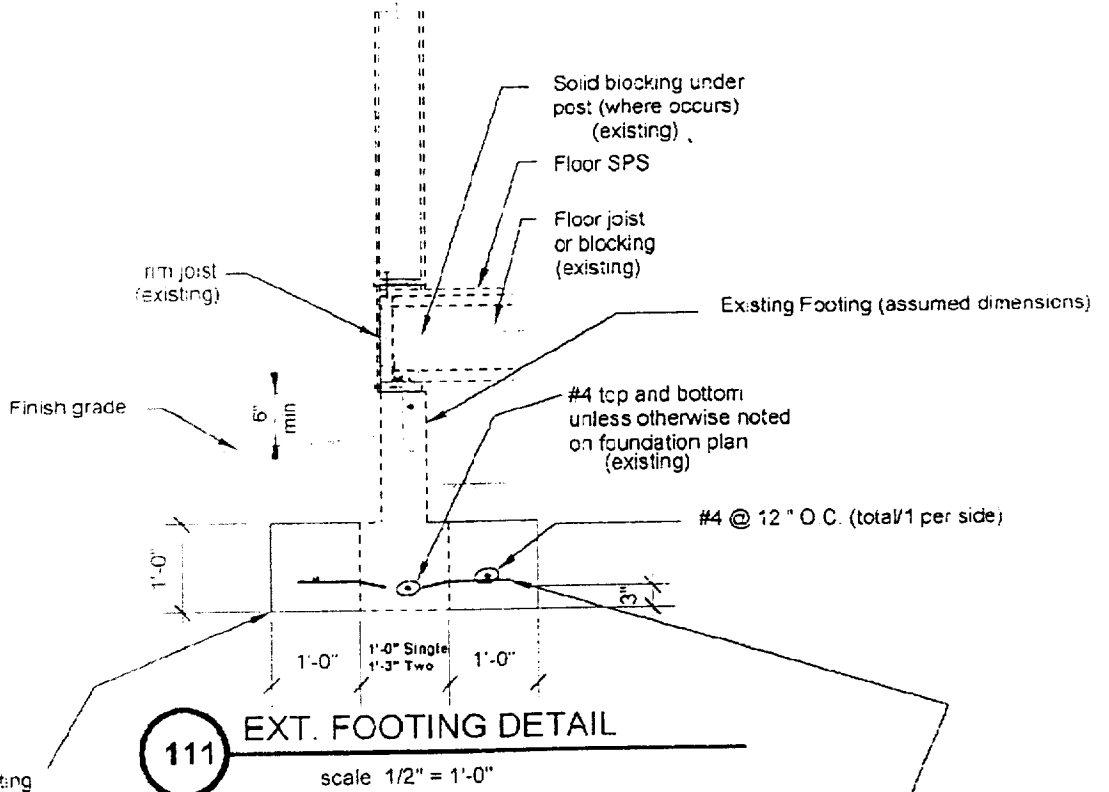
*AREA CAPACITY*

*4x6 1925 6815*

*USE 4x8 2538 8989 lbs 7 826 KIPS*

*4x10 3238*

6/12

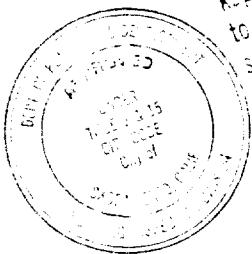
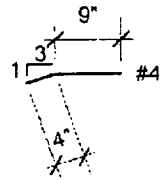


New concrete footing (typical both sides of existing) - see plans for length

111

EXT. FOOTING DETAIL

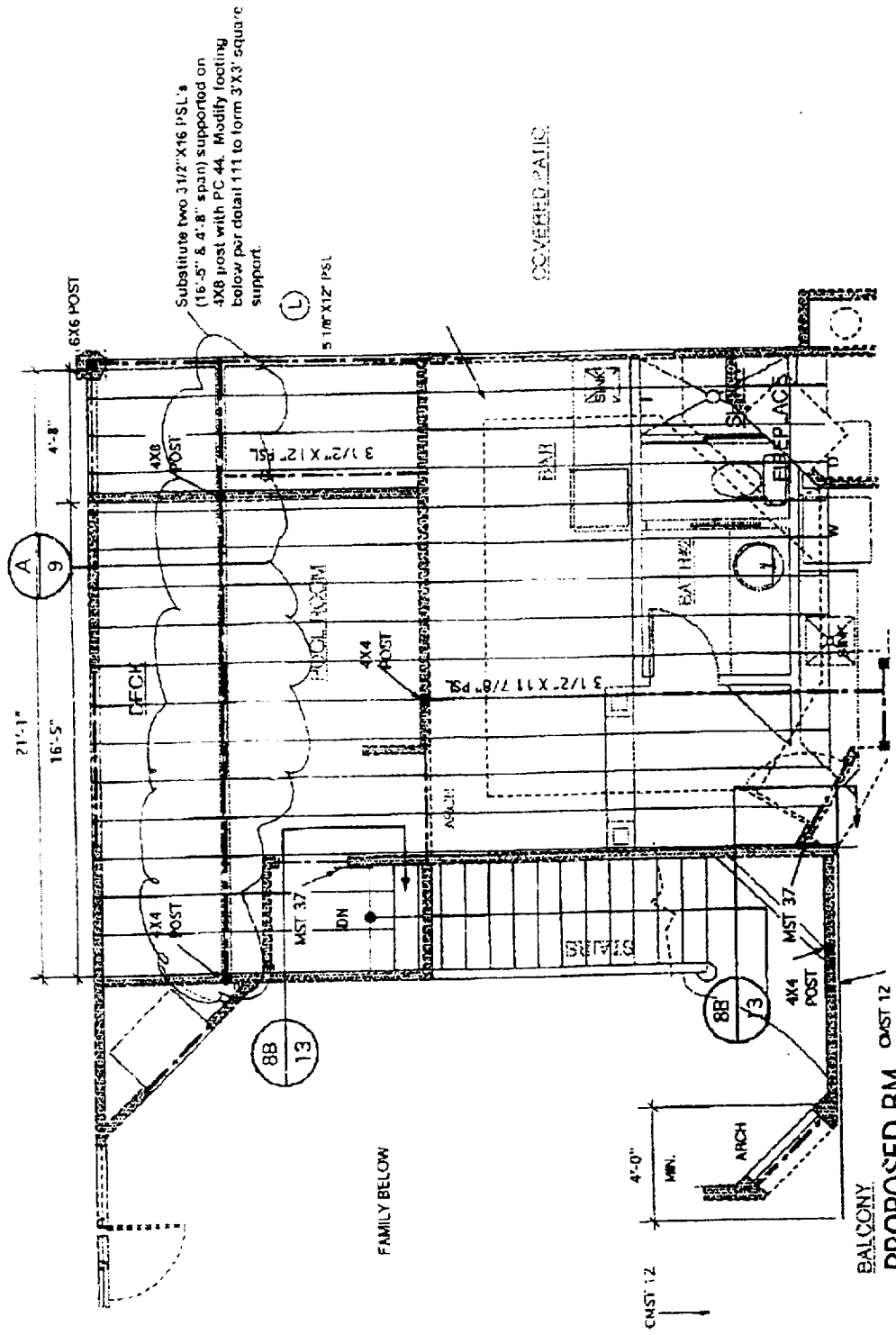
scale 1/2" = 1'-0"



This set of plans and specifications must be kept on the job at all times and no changes or alterations shall be made without written permission from the Designer. The Engineer of this plan and specification shall not be held liable or responsible in violation of any Ordinance or state law.

Drill and Bond Doweled @ 12" O.C. with Simpson epoxy tie adhesive (I.C.B.O. report #4945)

7  
2



FAMILY BELOW

BALCONY  
PROPOSED BM  
SCALE: 1/4" = 1'-0"