

CITY OF SACRAMENTO

Permit No: 9804349

1231 I Street, Sacramento, CA 95814

Insp Area: 2

Site Address: 100 PARKSHORE CR SAC

Sub-Type: RES

Parcel No: 0310250004

Housing (Y/N): N

CONTRACTOR

KNUTSON ROOFING
1520 MAIN AV
SACRAMENTO CA

95838

OWNER

HOM JOSEPH/LUELLA
100 PARKSHORE CR
SACRAMENTO CA

95831

ARCHITECT

Nature of Work: REROOF 34 SQ. WITH LITE WEIGHT TILE.

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 C-39 License Number 664205 Date 5/22/98 Contractor Signature [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractor's 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 above mentioned property for inspection purposes.

Date 5/22/98 Applicant/Agent Signature [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.

X 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 285-98-1001000513

(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 5/22/98 Applicant Signature [Signature]

1-1-99
PAID
MAY 22 1998
NEIGHBORHOODS PLANNING SERVICES

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL BE SUBJECT TO 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.

Project: PHAH - Location: MAXIMUM RAFTER SPAN
 Summary:

1.50 IN x 5.50 IN x 11.0 FT (Actual 11.595 FT) @ 24.00 O.C. / #2 - DOUGLAS FIR-LARCH - Dry Use
 Section Adequate By: 28.4% Controlling Factor: Section Modulus / Depth Required 5.01 In

Deflections:

Dead Load:	DLD=	0.23	IN
Live Load:	LLD=	0.35	IN = L/395
Total Load:	TLD=	0.58	IN = L/238

Rafter End Loads and Reactions:

Upper Live Load:	88 PLF	176 LB	
Upper Dead Load:	58 PLF	116 LB	
Upper Total Load:	146 PLF	292 LB	
Lower Live Load:	88 PLF	176 LB	
Lower Dead Load:	58 PLF	116 LB	
Lower Total Load:	146 PLF	292 LB	
Upper Equiv. Tributary Width:	UTWeq=	5.798	FT
Lower Equiv. Tributary Width:	LTWeq=	5.798	FT

Rafter Data:

Interior Span:	L=	11.0	FT
Cantilever Span:	CS1=	0.0	FT
Live Load Deflect. Criteria:	L/	240	
Total Load Deflect. Criteria:	L/	180	
Rafter Spacing:	SPC=	24.00	IN O.C.

Rafter Loads:

Roof Live Load:	LL=	16	PSF
Roof Dead Load:	DL=	10	PSF
Rafter Pitch:	RP=	4.00	: 12
Rafter Unbraced Length:	Lu=	0.0	FT
Roof Duration Factor:	Cd=	1.25	

Slope Adjusted Spans And Loads:

Interior Span:	Ladj=	11.6	FT
Cantilever Span:	CS1adj=	0.0	FT
Rafter Live Load:	wL=	29	PLF
Roof Loaded Area:	RLA=	23	SF
Rafter Live Load Method: 1			
Rafter Dead Load:	wD=	19	PLF
Rafter Total Load:	wT=	48	PLF

Properties For: #2- DOUGLAS FIR-LARCH

Bending Stress:	Fb=	875	PSI
Shear Stress:	Fv=	95	PSI
Modulus of Elasticity:	E=	1600000	PSI
Stress Perpendicular to Grain:	Fc_perp=	625	PSI

Adjusted Properties

Fb' (Tension):	Fb'=	1635	PSI
Adjustment Factors: Cd=1.25 Cf=1.30 Cr=1.15			
Fv':	Fv'=	119	PSI
Adjustment Factors: Cd=1.25			

Design Requirements:

Maximum Moment(Interior Span):	Mcent=	803	FT-LB
At Location(From Upper Support):	X=	5.798	FT
Moment At Cantilever:	Mcant=	0	FT-LB
Maximum Shear:	Vmax=	277	LB
Shear At Peak:	Vpeak=	277	LB
Required Cantilever Depth:	D(cant)=	0.00	IN

Comparisons With Required Sections:

Section Modulus:	Sreq=	5.9	IN3
	S=	7.5	IN3
Area:	Areq=	3.5	IN2
	A=	8.2	IN2
Moment of Inertia:	Ireq=	15.8	IN4
	I=	20.7	IN4



Knutson Roofing
1520 Main Avenue
Sacramento, CA. 95838

May 18, 1998

Subject: Structural Roof Inspection
100 Parkshore Circle
Sacramento, CA. 95831

Dear David,

Pursuant to your request, Anderson Engineering Consultants performed a visual structural inspection at the subject site on April 28, 1998. The roof structure at the house is comprised of 2x6 rafters at 24" o.c. at a 4:12 pitch. The maximum span is 11'-0" which is less than the manufacturer's span table length of 12'-1". 2x6 and 2x12 purlins support the rafters at approximately mid-span throughout the structure. The hip boards are 2x8 and braced adequately. The roof is in sound condition.

It is our opinion, based on the site inspection, that the structural integrity of the roof system will not be compromised by using your proposed reroof system of 7/8" - 22 gage hat channel fastened to the rafters, "Thermo-ply" underlayment fastened to the hat channel with screws, 7/8" - 22 gage steel hat channel battens over the "Thermo-ply" underlayment fastened with screws, and lightweight Eaglelite tile weighing 7.0 psf. The total dead load is 10 psf.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

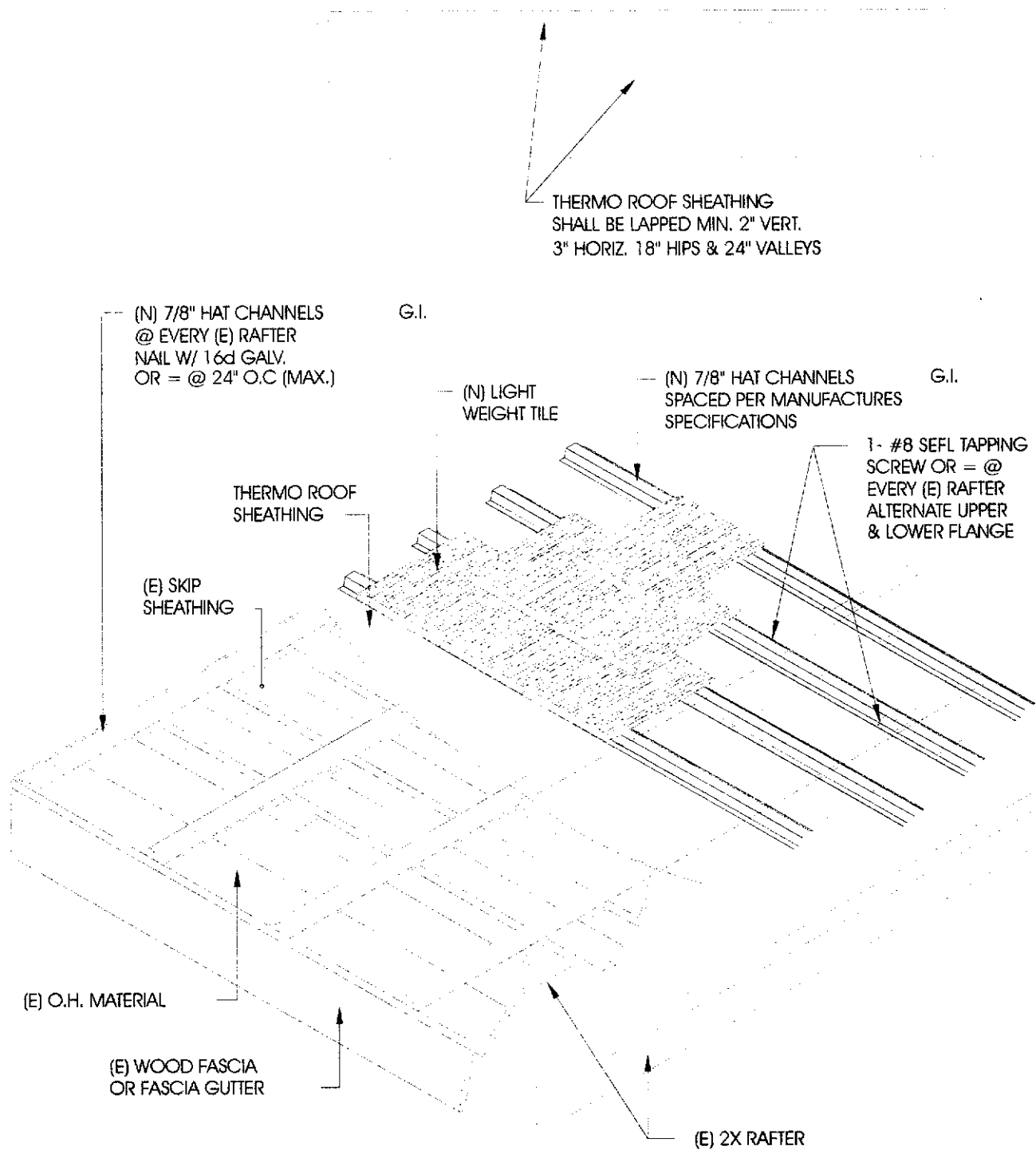


Carl Anderson, P.E.



knuphah.wri

SCALE: N.T.S.



THERMO ROOF SHEATHING
SHALL BE LAPPED MIN. 2" VERT.
3" HORIZ. 18" HIPS & 24" VALLEYS

(N) 7/8" HAT CHANNELS
@ EVERY (E) RAFTER
NAIL W/ 1 6d GALV.
OR = @ 24" O.C. (MAX.)

(N) LIGHT
WEIGHT TILE

(N) 7/8" HAT CHANNELS
SPACED PER MANUFACTURES
SPECIFICATIONS

1- #8 SEFL TAPPING
SCREW OR = @
EVERY (E) RAFTER
ALTERNATE UPPER
& LOWER FLANGE

THERMO ROOF
SHEATHING

(E) SKIP
SHEATHING

(E) O.H. MATERIAL

(E) WOOD FASCIA
OR FASCIA GUTTER

(E) 2X RAFTER

CERTIFIED INSTALLERS
KNUTSON ROOFING
JOINT EFFORTS
GARY FERGUSON