

CITY OF SACRAMENTO

Permit No: 0114899

1231 I Street, Sacramento, CA 95814

Insp Area: 2
Thos Bros: 336 F1

Site Address: 7038 POCKET RD SAC
Parcel No: 031-0290-052

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

CONTRACTOR
RIVERA ROOFING
13975 FLAGSTAFF DR
SLOUGHOUSE CA 95683

OWNER
RIOLO ROBERT N/LOLA G
7038 POCKET RD
SACRAMENTO CA 95831

ARCHITECT

Nature of Work: REMOVE ONE LAYER SHAKE, INSTALL CEDARLITE TILE. PERFORM ENG IMPROVEMENTS

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 706968 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 _____ 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 _____ 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 AMERICAN CASUALTY INS Policy Number WC-247859437

PAID
Exp Date 09/07/2002
CITY OF SACRAMENTO

____ (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 shall subject an employer to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date _____ Applicant Signature _____

NEIGHBORHOODS PLANNING
AND DEVELOPMENT SERVICES

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.

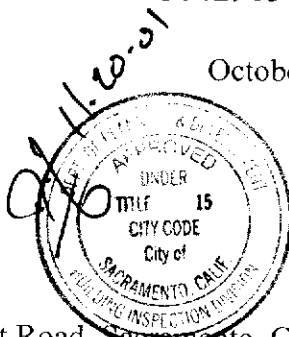
SCHOEN ENGINEERING

9524 BEDINGTON WAY
SACRAMENTO, CA 95827
Licensed by the California State
Board for Engineers and Land Surveyors
(916) 369 6866
LIC.# C042913



October 17, 2001

Bob Riolo
7038 Pocket Road
Sacramento, CA 95831



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 of State law.

SUBJECT: Reroof at 7038 Pocket Road, Sacramento, CA 95831

Bob:

On September 25th 2001 I inspected the roof structure of your residence at the above mentioned address. The roof was made up of 2x6 D.F. No. 2 rafters @ 2' o.c. with a max. span of 10'-6" in the garage and 11'-6" in the house. There was a full dimension 6x14 Douglas fir Select structural ridge beam in the vaulted ceiling area of the family room that spanned 21'-6".

The following modifications will be necessary prior to reroofing:

- * Along the main ridge of the house additional ridge braces should be installed to reduce the spacing of the braces to 8' or less. Also, along the main ridge the rafters should be tied across the top of the ridge with Simpson MST18 steel strap ties and nailed to each rafter with 5-10d common nails(see sketch for details).
- * In the front slope of the main wing of the house there were three purlin brace that run by the purlin and then rely on a 2x block nailed to the brace under the purlin to support it. This is not adequate to support the roof loads and these braces should be redone to provide direct bearing(see plan for location and sketch for details).

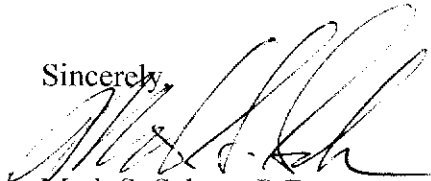
It is my finding that with the above mentioned modifications that this structure is adequate for the following : 1/2" plywood or OSB installed over the existing skip sheathing; 30lb. tarred felt; Concrete tile weighing 6 lbs./sq.ft.

NOTE: it is possible when reroofing that the increased load to structural elements also supporting wall, ceiling and floor finishes could cause some minor cosmetic cracking of these finishes. This is typical of wood framed structures and does not of itself indicate structural inadequacy of these members.

This report deals with the structural adequacy of roof supporting members that were readily observable. It does not address any structure that was covered by wall finishes, buried in the ground or was otherwise not observable. Any such structures were assumed to conform to standard construction specifications in the Uniform Building Code. Also, it does not address any existing deflection or warping of roof surfaces, nor is it guaranteed that any structural modifications that may be listed in this report will remove such deflections or warping. The repair of such deflections or warping to improve architectural appearance is at the option of the building owner and the roofing contractor.

I would like to thank you for allowing me to provide my services in this matter. Please let me know if I may be of further assistance.

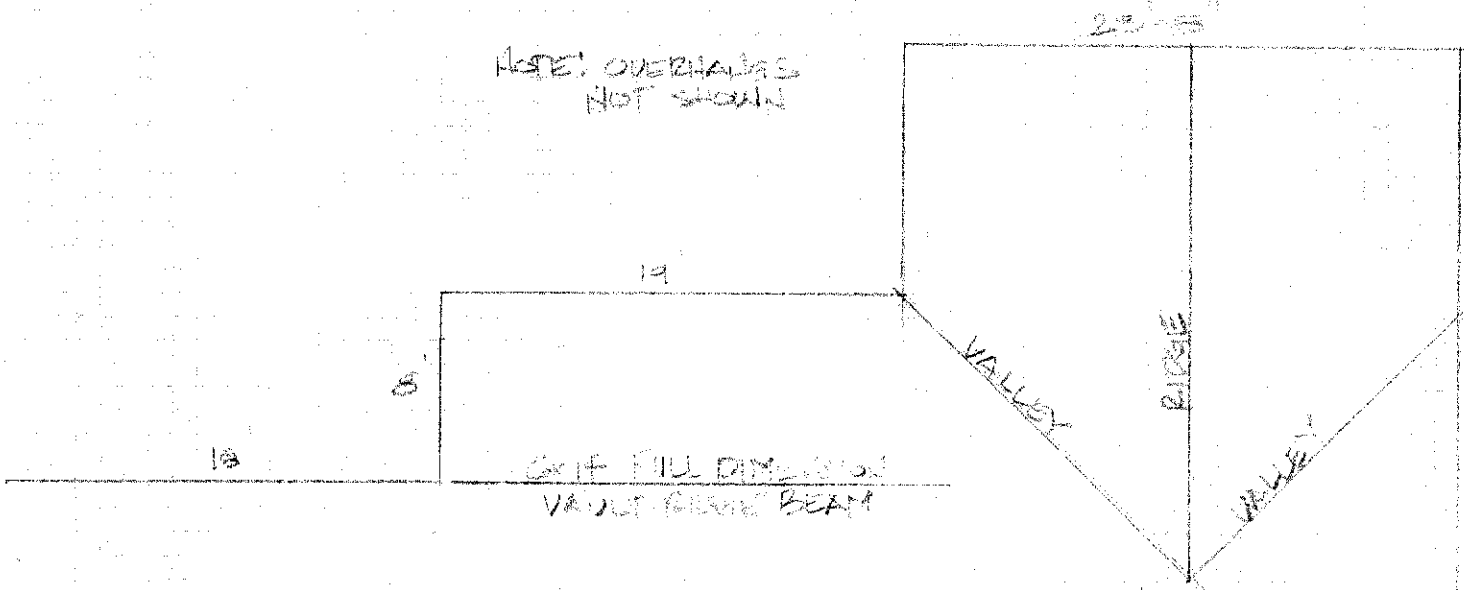
Sincerely,



Mark S. Schoen P.E.

MSS:mss
S-ENG2001/BR001

NOTE: OVERHANGS NOT SHOWN

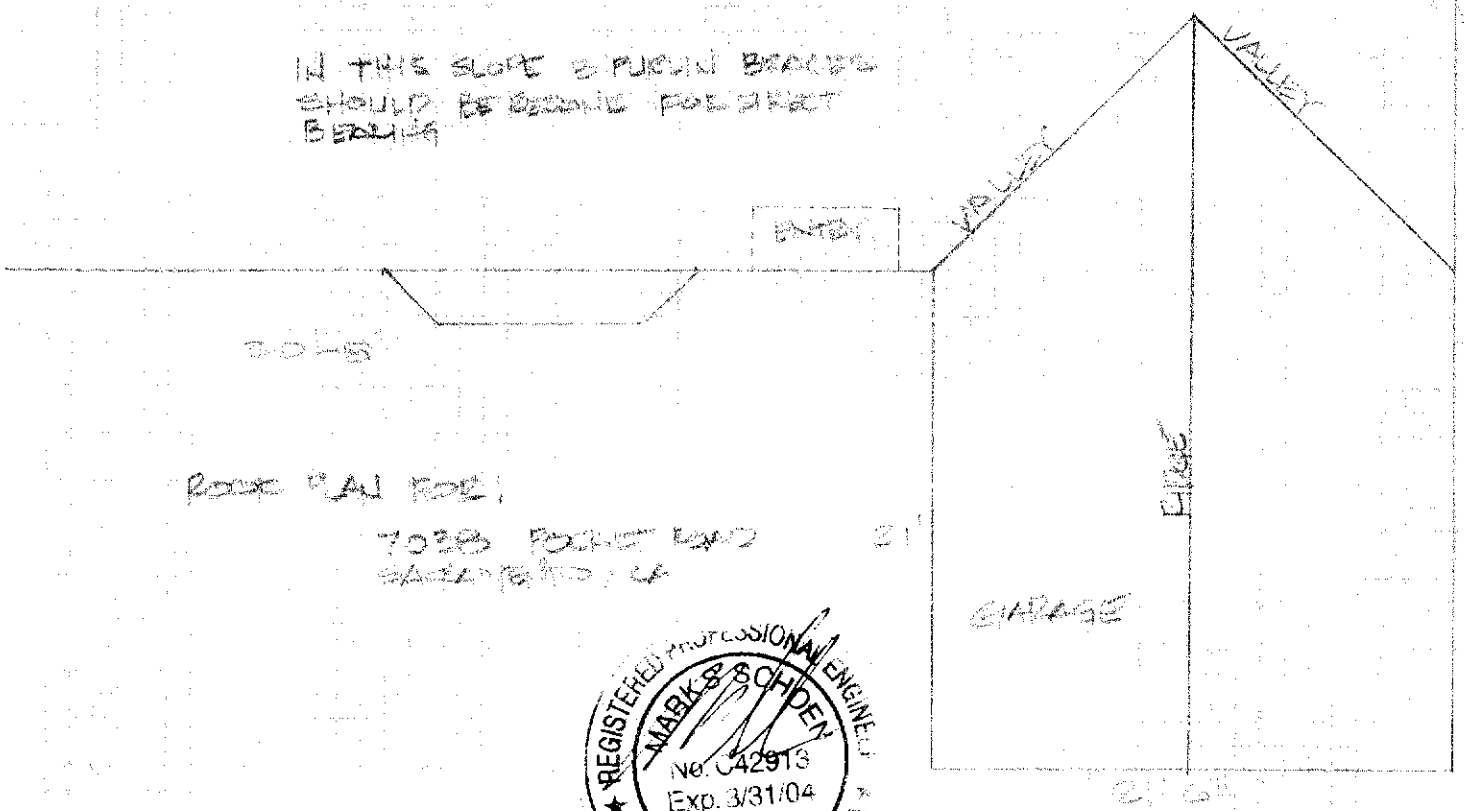


ALL ROOF FRAMING 2x6 @ 16" O.C. 2x8 RIGID BOARD & VALLEY PARTERS
2x6 FLEYS BRACED @ 6" O.C.

RIDGE

ALSO RIGID INSTALL ADDITIONAL RIGID BOARD SO THAT SPACING DOES NOT EXCEED 8". ALSO, THE ORIGINAL RAFTER LAYS ACROSS TOP OF RIGID W/ STEEL BRACE.

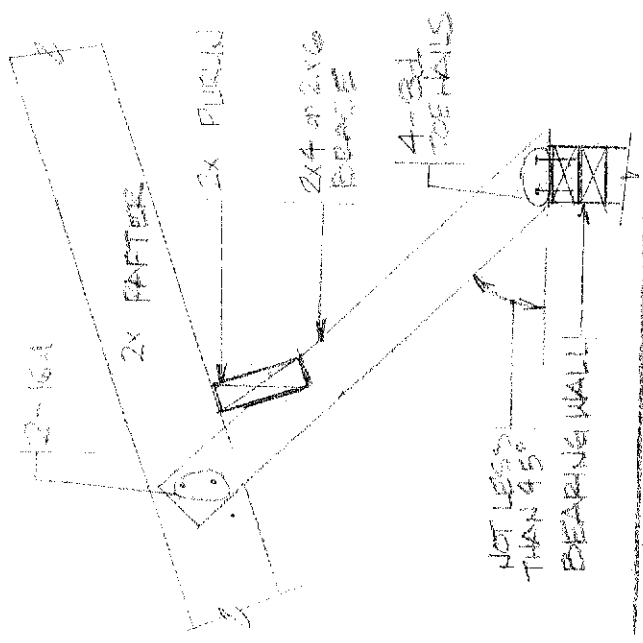
IN THIS SLOPE & PITCH BRACES SHOULD BE BEING FOR FIRST BEARING



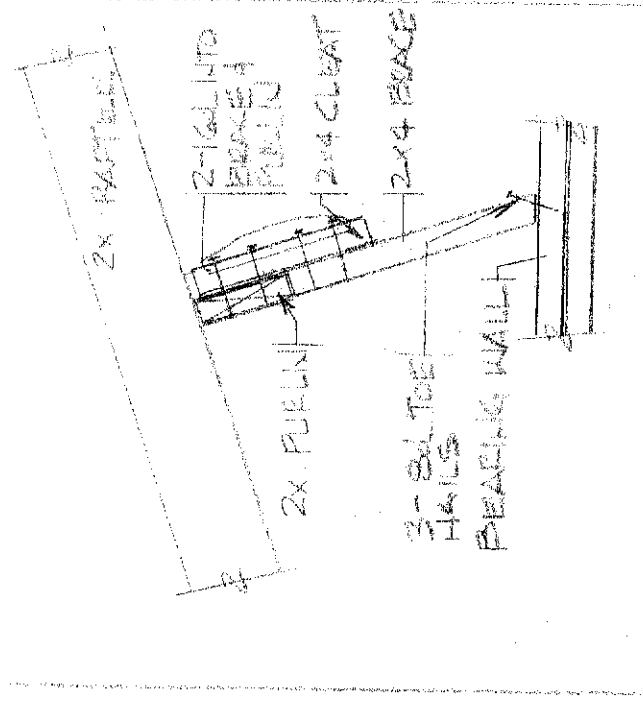
ROOF PLAN FOR:

7028 FORTY EIGHT
SACRAMENTO, CA

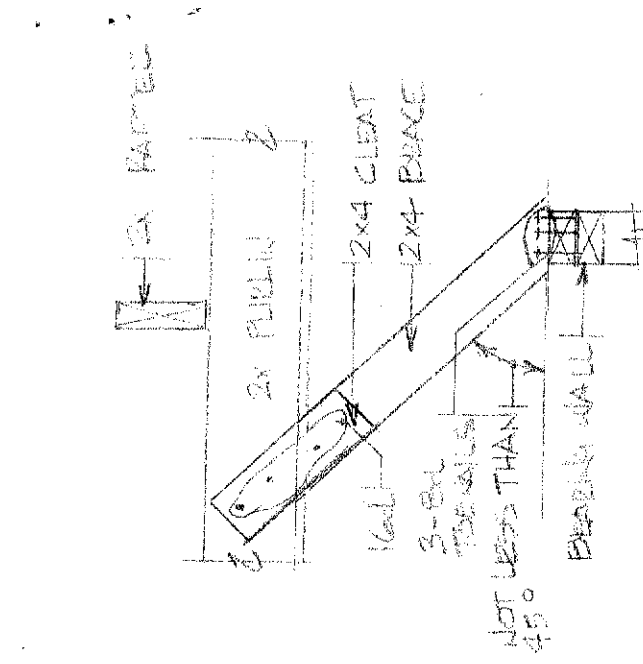




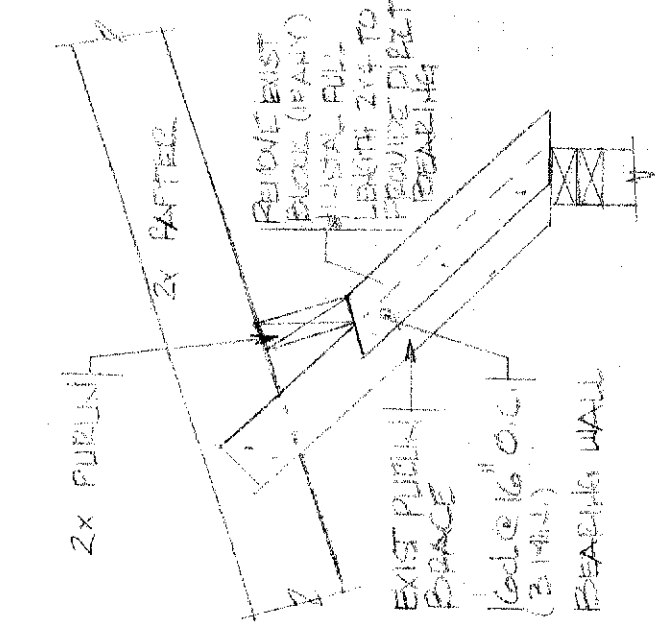
NOTCHED PURLIN BRACE



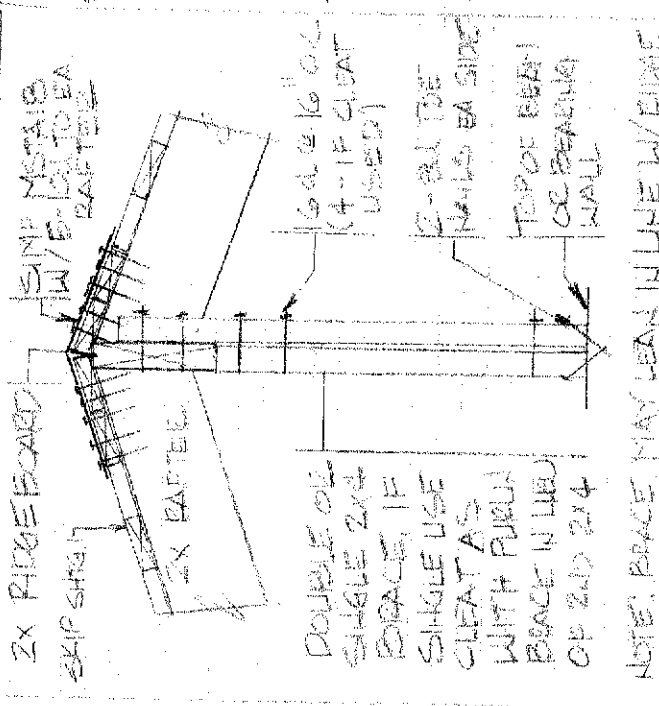
CLEATED PURLIN BRACE (VIEW)



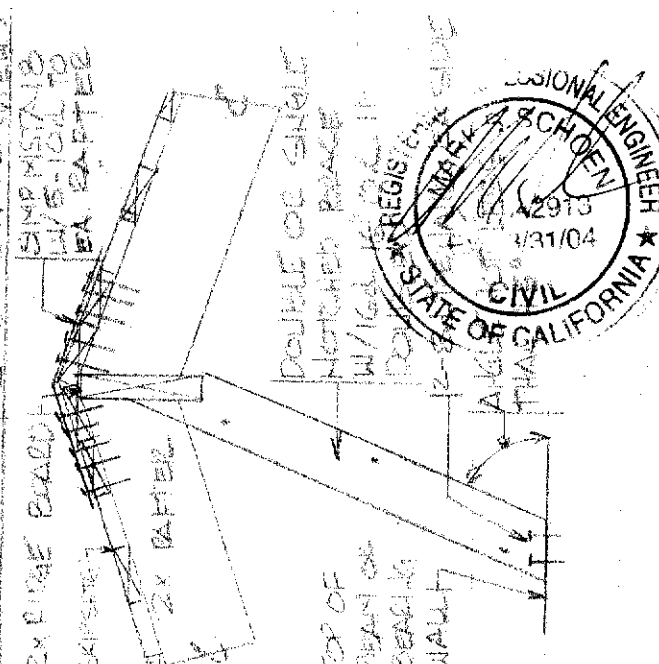
CLEATED PURLIN BRACE (VIEW)



EXISTING BRACE MODIFIED OR DIRECT BEARING



BRIDGE BRACE W/ BEARING WALL



NOTCHED BRIDGE BRACE W/ BEAM



Calculation for the required area, section modulus and moment of inertia for simple span wood beams. Dead load(dl) and Live load(ll) are in pounds per square ft., Spans(l) and Tributary load length or spacing(sp) are in ft., Areas are in sq.in., Section moduli are in inches cubed and Moments of inertia are in inches to the 4th power. Allowable stresses (Fy),(Fb),(Fv) are in lbs./sq.in. per 1991 U.B.C. based on the date of original construction

6x14 FULL DIMENSION DOUGLAS FIR SELECT STRUCTURAL VAULT RIDGE BEAM

rdl := 16 rll := 14 rta := 17.61 l := 21.5
 fdl := 30 fll := 40 fta := 0 rta·l = 222.955
 wt := (rta·(rdl + rll) + fta·(fdl + fll)) + 20 Cd := 1.25
 Fb := 1800 Fbp := Fb·Cd Fbp = 2250 Ew := 1800000 Fv := 95·Cd

A min. required = $\frac{l \cdot \frac{wt}{2} \cdot \frac{3}{2}}{Fv} = 44.96$

S min. required = $wt \cdot l^2 \cdot \frac{1.5}{Fbp} = 102.034$

I min. required = $5 \cdot wt \cdot \frac{(l \cdot 12)^4}{12 \cdot 384 \cdot Ew \cdot l \cdot \frac{12}{240}} = 822.649$

Check Beam properties:

CF := $\frac{12 \cdot \frac{1}{9}}{d}$ A := w·d w := 6 d := 14
 S := w·CF· $\frac{d^2}{6}$ I := w· $\frac{d^3}{12}$ Stiffw := I·Ew

- A = 84 > 45 S = 192.672 > 102 I = 1372 > 822 therefore O.K.

