

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0005675

Insp Area: 2

Site Address: 7260 POCKET RD SAC

Parcel No: 031-0860-003

Sub-Type: NSFR

Housing (Y/N): N

CONTRACTOR

FORSBERG SCHALLER INC
2010 ARROYO VISTA WY
E1 DORADO HILLS CA 95762

OWNER

PAMELA&DONALD MURPHY
7260 POCKET RD
SACRAMENTO CA 95831

ARCHITECT

Nature of Work: NSFR 2 STORY 5553 SQ FT W/ ATT GARAGE

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.

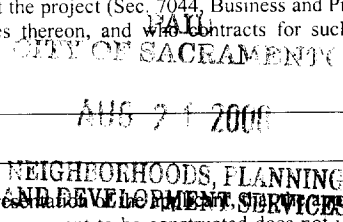
License Class B License Number 77760 Date 8/21/00 Contractor Signature Charles W Schaller

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 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 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 8/21/00 Applicant Agent Signature Charles W Schaller

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 A03000756 Exp Date 10 01 2000

(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 8/21/00 Applicant Signature Charles W Schaller

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.

High School dist.

Certification of Compliance School District Development Fees

(Print or Type) If Printing, press hard for four copies

PART I To be completed by the APPLICANT

OWNER'S NAME Murphy Family Trust
 OWNER'S ADDRESS 3249 Pocket Rd. Sacramento, CA 95831
 PROJECT ADDRESS ~~7260~~ Pocket Road (Note New address)
 PARCEL NUMBER 031-0860-003 LOT NO. _____
 SUBDIVISION NAME _____
 NUMBER OF UNITS one

Upon payment of the fees listed below, a 90-day approval period commences upon which the applicant paying the fees may protest such fees. Any failure to file such protest within the 90-day period shall result in forfeiture of any rights to challenge such fees, through litigation or otherwise.

APPLICANT'S SIGNATURE [Signature]
 TITLE OF APPLICANT Contractor
 DATE 8/21/00 PHONE NUMBER 916-941-8890

PART II To be completed by BUILDING DEPARTMENT

PLAN IDENTIFICATION NUMBER 00-05675
 BUILDING TYPE
 RESIDENTIAL () APARTMENT/CONDOMINIUM () COMMERCIAL/INDUSTRIAL ()
 SQUARE FEET OF CHARGEABLE BUILDING AREA 5553
 SIGNATURE [Signature]
 TITLE BLD DATE 8/21/00

PART III To be completed by SCHOOL DISTRICT

SCHOOL DISTRICT UCSD
 DISTRICT CERTIFICATION NO. 68292
 EXEMPT ADIS # REMOVED COMMENTS _____

RESIDENTIAL/APT/CONDO	<u>5553</u>	SQ FT X \$	<u>1.72</u>	= \$	<u>9521.16</u>
COMMERCIAL/INDUSTRIAL		SQ FT X \$		= \$	
OTHER FEE	<u>ADIS #</u>	TYPE	<u>CEMENT</u>	SQ FT X \$	<u>DEMO #</u>
TOTAL FEES COLLECTED				= \$	<u>2045.36</u>

08-21-00P02:14 RCVD

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.

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.

AUTHORIZED SCHOOL DISTRICT OFFICIAL

SIGNATURE [Signature]
 TITLE DIV. CENTRE TEAM DATE 8/21/00

Original: School District 1st copy: School District 2nd copy: Building Department 3rd copy: Applicant

Residential was moved to file the school. There is no residential fee.

[Handwritten notes at bottom of page]

Date of Request: _____

By: _____

**CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION
PLANNING AND ZONING INFORMATION REQUEST**

Project Address: 7360 Pochet Rd

Assessor's Parcel Number: 031-0860-003

Previous Use: SF, Res.

Description of Request/Proposed Use: Removing one house
Replacing it with a
new one

Is This a Change of Use? No

Zoning Designation: A

Prior Applications for Project Site(P#, Z#, DRPB#): _____

Comments: One house will
result in moor

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: [Signature] 5/25/00

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

MICROFILM AFTER FINAL

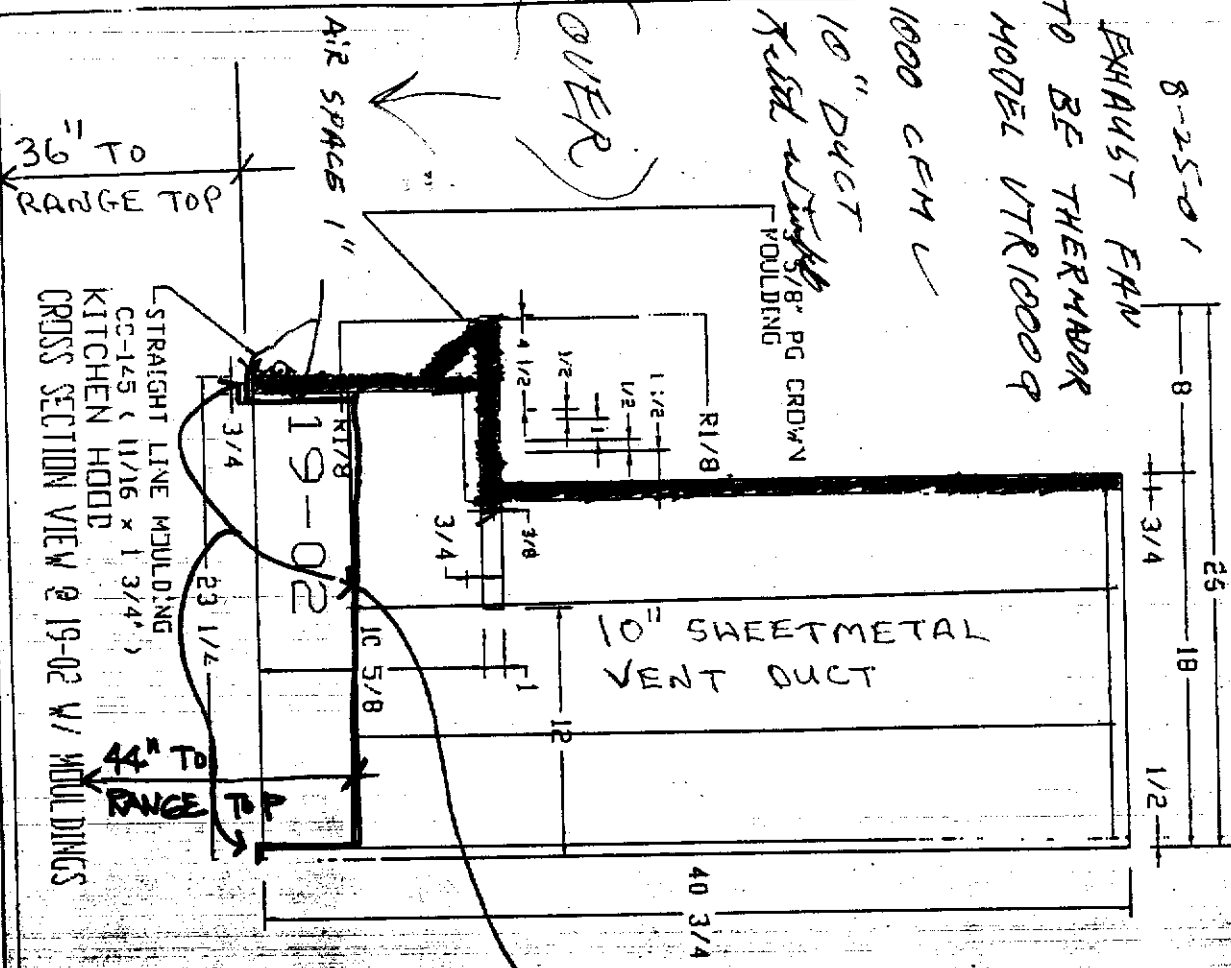
7260 POCKET RD

P.C. #5675

8-25-01
EXHAUST FAN
TO BE THERMADOR
MODEL VTR1000Q

10" DUCT

5/8" PG CROWN
MOULDING



36" TO
RANGE TOP

AIR SPACE 1"
STRAIGHT LINE MOULDING
CC-145 (11/16 x 1 3/4")
KITCHEN HOOD
CROSS SECTION VIEW @ 19-02 W/ MOULDINGS

10" SWEETMETAL
VENT DUCT

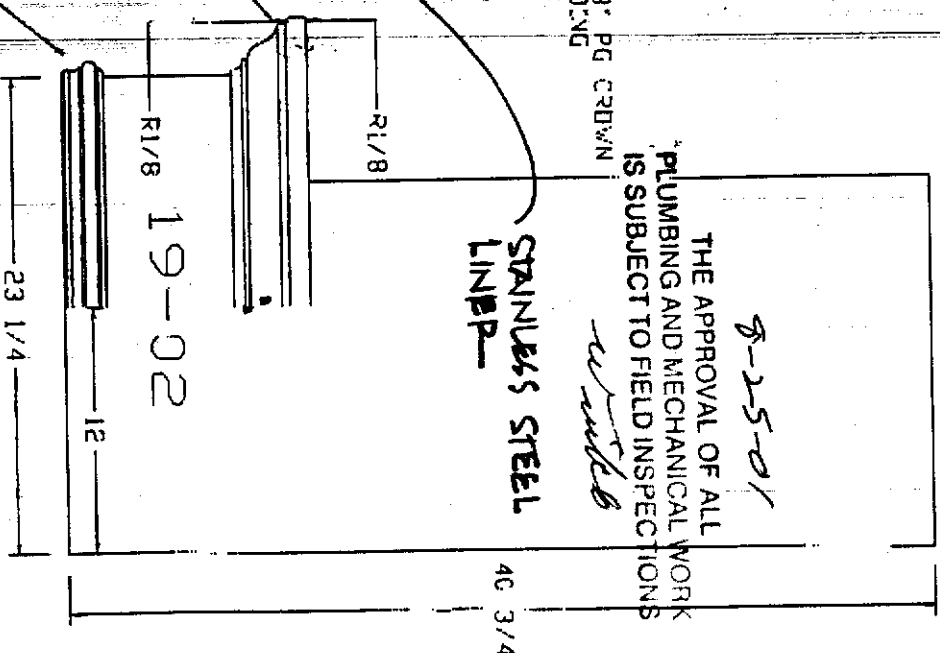
STAINLESS STEEL
LINER

THE APPROVAL OF ALL
PLUMBING AND MECHANICAL WORK
IS SUBJECT TO FIELD INSPECTIONS

8-25-01

KITCHEN HOOD
SIDE ELEVATION @ 19-02 W/ MOULDINGS

STRAIGHT LINE MOULDING
CC-145 (11/16 x 3/4")



JOB NAME: FORBERG/SCHULER - DON & PAM WALKER RESIDENCE	ROOM NAME: KITCHEN	ROOM # 19
EXI. MAT.: PG.	UPPER DOOR: NONE	MOF 601
INT. MAT.: PG.	LOWER DOOR: NONE	DATE: 8-17-2001
FEIST CABINETS & WOODWORKS	COUNTER TOPS: VAGES	PAGE # 2
	686-8230 FAX 686-6723	
	DRAWN BY: KANY FEIST	

April 4, 2001

City of Sacramento
Building Inspection

Re: Murphy Residence
7260 Pocket Road
PERMIT NO. 00-05675

Gentlemen:

I have reviewed the installation of the 1x4 trimmers at the four garage windows that are the subject of comment 7 in the Correction Notice dated 3/30/01. The header subjected to the greatest load is above the NE window. This header is supporting a combined roof/ceiling load of 866 lbs. This subjects each 1x4 trimmer to a compressive load of 433 lbs. The allowable compressive load for a 1x4 trimmer installed in this configuration is 820 lbs. Each trimmer at the other three headers is supporting a compressive load of 276 lbs.

Therefore the as-built installation is acceptable.

In the locations where the headers do not bear fully on the 1x4 trimmers install a Simpson TP35 at the line of contact between the king stud and header, on inside face of garage wall, with the long dimension vertical.

Sincerely yours,



Charles W. Schaller, II P.E.
4628 Ashton Drive
Sacramento, CA 95864
(916) 489-8470



January 29, 2001

Chuck Schaller
Forsberg Schaller Inc.
2010 Arroyo Vista Way
El Dorado Hills, CA 95762

Re: Murphy Residence
7360 Pocket Road
Sacramento, CA
Inspector's Concerns

Dear Chuck,


It has come to my attention that the inspector on the above mentioned project has some concerns regarding the shearwalls at a few locations on the above mentioned project. The items in question have to do with the actual shearwall length and the holdown locations. Sheets A.8 and A.9 of the approved drawings indicates the shearwall type, length and holdown requirements. Based upon information provided, some of the actual lengths of the shearwalls are slightly less than the indicated length. There are also some shearwalls with lengths greater than indicated. Based upon a review of the approved drawings and calculations, a slight reduction of 3" in the actual shearwall length has very little effect on the capacity of the shearwall and will remain structurally acceptable. The lengths of the shearwalls at the south side and the east side of the billiards room have been decreased by up to 8". A review of the calculations has revealed that the shearwalls will remain acceptable to resist the required lateral loads.

Another item of concern deals with the placement of the holdowns at the ends of the shearwalls where indicated on the plan. It is structurally acceptable, and preferred, to locate the holdowns at the full height king stud locations.

The shearwalls at the north side of the living room and dining room are indicated as shearwall type '2' with structural 1 plywood (str 1 plywd.). Based upon information provided, standard OSB sheathing has been installed on the exterior at these locations with 2" o.c. edge nailing. Due to the reduced capacity of the standard sheathing, the shearwalls are not acceptable to resist the required loads. In order for the shearwalls to remain acceptable, an additional layer of 3/8" OSB shall be installed on the interior face of the wall with 4" o.c. edge nailing and 12" o.c. field nailing. The sill plate anchor bolts shall remain as indicated for the shearwall type '2'.

Please call if you have any questions.

Sincerely,



Chris Cox, P.E.
5209 Olivehurst Way
Elk Grove, CA 95758
(916) 691-2404



January 19, 2001

Chuck Schaller
Forsberg Schaller Inc.
2010 Arroyo Vista Way
El Dorado Hills, CA 95762

Re: Murphy Residence
7360 Pocket Road
Sacramento, CA

Dear Chuck,

Per your request, I have reviewed your proposed alternate for the support of the door and window headers. The approved drawings indicate 4X posts at various locations to support the headers. It is structurally acceptable to replace the 4X posts with double 2X studs to support the headers. It is also structurally acceptable to use double 2X studs at the shearwall holdown locations per the shearwall schedule except at the right side of the butler area of the first floor. The HD10A holdown indicated shall be installed on a 4X post or a triple 2X stud. The use of finger-jointed studs is structurally acceptable at the above mentioned locations.

Please call if you have any questions.

Sincerely,



Chris Cox, P.E.
5209 Olivehurst Way
Elk Grove, CA 95758
(916) 691-2404



Charles W Schaller, II PE
4628 Ashton Dr.
Sacramento, Ca 95864

ATTN:
City of Sacramento
Building Inspection

Subject: Murphy Residence
7260 Pocket Road

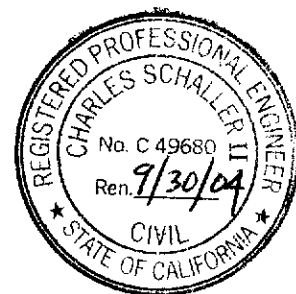
Gentlemen:

I have reviewed the manufactures data on the all thread rod couplings as currently installed. These couplings are manufactured to standards that are equal to or exceed the standards to which the Simpson CNW couplings are manufactured. That is, the allowable loading of these couplings as installed is greater than or equal the allowable loading of the Simpson CNW coupler.

Therefore the as-built installation is acceptable.



Charles W Schaller, II, PE
C 49680



AP SUPPLY

6735 Fair Oaks Blvd Suite #9
Carmichael CA 95608

OCTOBER 11, 2000

ATTN KURT
WAYSIDE LUMBER
FAX 916.635.0467

DEAR KURT

YOU CONTACTED OUR CARMICHAEL OFFICE AND REQUESTED THAT I WRITE TO YOU CONCERNING SPECIFICATIONS UNDER WHICH WE PURCHASE OUR HEX COUPLING NUTS. HEX NUTS SUPPLIED TO YOU ARE AS PER SPECIFICATION TO GRADE ASTM 307 OR HIGHER

ALL OF OUR PRODUCTS ARE PURCHASED TO SPECIFICATION. ALL OF OUR PURCHASE ORDERS CLEARLY STATE THAT EACH PRODUCT SUPPLIED TO A.P. SUPPLY IS TO MEET THE PROPER SPECIFICATION AS REFERENCED IN THE INDUSTRIAL FASTENER INSTITUTE MANUAL FOR THAT PRODUCT.

(IFI 128 AND ASTM A563, GRADE A)

SECONDLY, WE REQUIRE CERTIFICATIONS FROM OUR SUPPLIERS OF ALL PRODUCTS GRADE 5 OR BETTER: A325 STRUCTURAL BOLTS, GRADE 5 HEX CAP SCREWS, ASTM A194 2H HVY, HEX NUTS, F436 STRUCTURAL WASHERS, GRADE 8 FINISHED HEX NUTS, ASTM A193 GRADE B7 THREADED ROD, SAE HI HUTS AND GRADE C HEX LOCKNUTS. THESE CERTIFICATIONSS ARE ON FILE AT A.P CORPORATE OFFICE AND COPIES OF SAME ARE AVAILABLE TO OUR CUSTOMERS.

WE TRUST THAT, YOU CAN BE CONFIDENT, AS WE ARE, THAT THE PRODUCT FURNISHED TO YOU MEETS SPECIFICATIONS.

LET ME KNOW IF WE CAN BE OF FURTHER ASSISTANCE.

SINCERELY

D. PAT HALEY
OWNER










YOU NAME IT - WE SELL IT

(916) 971-1935 - FAX (916) 971-1034

EMAIL: apsup@aol.com

KUPF 035-0467

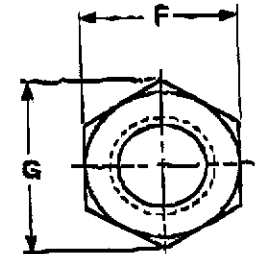
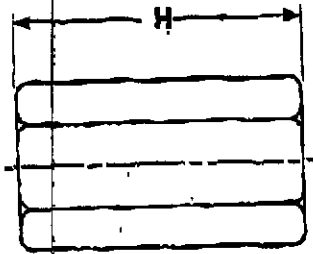
DESCRIPTION OF BOLTS

Identification Grade Mark	Specification	Fastener Description	Material	Nominal Size Range (in.)	Mechanical Properties		
					Proof Load (psi)	Tensile Strength Min (psi)	Tensile Strength Max (psi)
 No Grade Mark	SAE J429 Grade 1	Bolt, Screws, Studs	Low or Medium Carbon Steel	1/4 thru 1-1/2	33,000	36,000	60,000
	ASTM A193 Grades A&E		Low Carbon Steel	1/4 thru 4	-	-	
	SAE J429 Grade 2		Low or Medium Carbon Steel	1/4 thru 3/4 Over 3/4 to 1-1/2	55,000 33,000	67,000 36,000	
 No Grade Mark	SAE J429 Grade 4	Studs	Medium Carbon Cold Drawn Steel	1/4 thru 1-1/2	-	100,000	115,000
 B5	ASTM A193 Grade B5	Bolt, Screws, Studs for High Temperature Service	AISI 301	1/4 thru 4	-	80,000	108,000
 B6	ASTM A193 Grade B6		AISI 410			85,000	110,000
 B7	ASTM A193 Grade B7		AISI 4140, 4142 or 4145	1/4 thru 2-1/2 Over 2-1/2 thru 4 Over 4 thru 7	105,000 95,000 75,000	125,000 115,000 100,000	
 B16	ASTM A193 Grade B16		CrNiVn Alloy Steel	-	105,000 95,000 85,000	125,000 110,000 100,000	
 B8	ASTM A193 Grade B8		AISI 304	-	-	-	
 B8C	ASTM A193 Grade B8C		AISI 307	1/4 and larger	-	30,000	75,000
 B8M	ASTM A193 Grade B8M		AISI 316	-	-	-	

Nuts

Hex Coupling Nuts

Steel

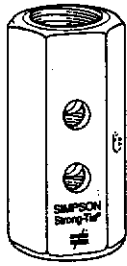


HEX COUPLING NUTS									
Nominal Size and Threads per Inch	Basic Major Diameter of Thread	F			G		H		
		Width Across Flats			Width Across Corners		Length		
		Basic	Max	Min	Max	Min	Basic	Max	Min
5/16-18	0.3125	1/2	0.500	0.489	0.577	0.557	7/8	0.89	0.80
3/8-18	0.3750	1/2	0.500	0.489	0.577	0.657	1-1/8	1.19	1.11
1/2-13	0.5000	17/16	0.889	0.863	0.784	0.758	1-3/4	1.76	1.73
3/4-10	0.7500	1	1.000	0.983	1.155	1.097	2-1/4	2.27	2.22

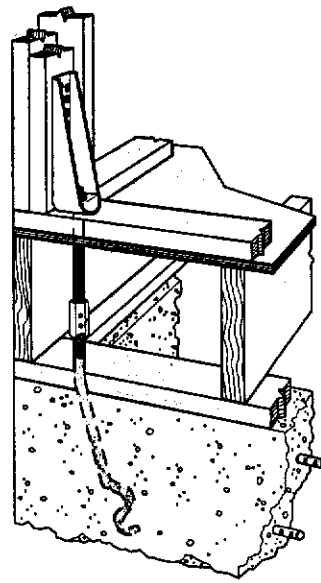
The sizes listed are the most commonly available commercial-quality coupling nuts. Width across the flats and length dimensions will sometimes vary, yet still be within acceptable specifications.

<p>1010-1018 of equivalent steel. 12L14 steel is commonly used in domestically manufactured coupling nuts.</p> <p>Used to join two externally threaded parts of equal thread diameter and pitch, often two pieces of threaded rod.</p> <p>Rockwell B58 - C32</p> <p>60,000 psi. minimum</p> <p>See Appendix-A for plating information.</p>	<p>A double chamfered hex nut available in various widths and lengths. The length of the nut is greater than 2.5D where D equals the basic major thread diameter. Also referred to as rod couplings.</p>
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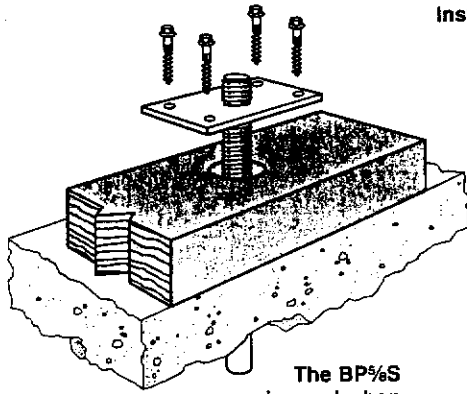
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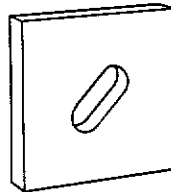
CNW allows fast visual check for correct all thread rod installation



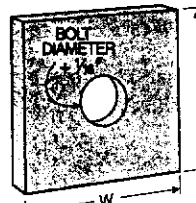
Typical CNW Rim Joist Installation



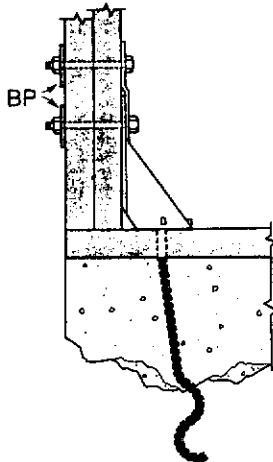
The BP/S is used when sill bolt holes are overdrilled



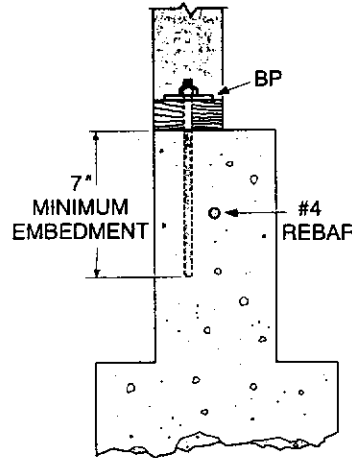
LBPS



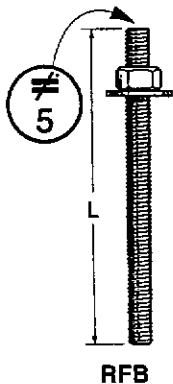
BP (LBP similar)



Typical BPs Installed with a Holdown and SSTB Anchor Bolt



Typical BP Installed with a Mudsill Anchor Bolt



RFB

Model No.	L	Stud Dia.	Embedm. Depth ²	Min. End Dist	Min. Edge Dist	Compatible Products
RFB#4X5	5	1/2	3 1/2	1 1/4	1 1/4	AB44, 46, 66, 44R, 46R, 66R; ABA44, 44R; ABE44, 44R
RFB#4X6	6	1/2	4 1/4	1 1/4	1 1/4	FA6, 8; HFA6, 8; FAP; FJA; FSA
RFB#4X7	7	1/2	4 1/4	3 1/4	3 1/4	LTT20B, UFP10
RFB#4X10	10	1/2	4 1/4	3 1/4	1 1/4	1/2" Dia. mudsill anchor bolts
RFB#5X5	5	5/8	3 1/2	2	1 1/4	ABA46, 66, 46R, 66R; ABE46, 66, 46R, 66R
RFB#5X8	8	5/8	5	3 1/4	3 1/4	—
RFB#5X10	10	5/8	7	7	1 1/4	5/8" Dia. mudsill anchor bolts
RFB#5X16'	16	5/8	12	5	1 1/4	HD2A, 5A; HTT22, PHD2, PHD5
RFB#6X10.5	10	3/4	6 1/2	5	3 3/8	LTT19; MTT28B

1. Maximum anchor load is 4040 lbs. 2. Embedment is based on 2000 psi concrete.

CNW COUPLER NUTS

All-thread rod is correctly installed when visible through CNW's "witness" holes. CNW's dimple provides a positive stop to allow even bolt threading top and bottom.

CNW's are tested and load-rated coupler nuts. They can be used for extending anchor bolts, for example, through floor framing. CNW's meet and exceed the capacity of corresponding ASTM A307, A36, SAE1018 and Grade 2 bolts and threaded rod.

CODES: Submitted to ICBO 10/99

Model No.	Rod Dia.	H Min	Allowable Tension Loads
CN1/2W	0.625	1 1/8	5870
CN3/4W	0.75	2	8455
CN1W	0.875	2 3/8	11510

INSTALLATION:

- Each rod must be threaded halfway through CNW.
- Each rod must meet at the center.
- Tighten the two rods against each other in the coupler nut.

1. Allowable loads based on 1986 AISI Sec E3.4 bolt allowable loads.
2. CNW coupler nuts are tested to a minimum of 2.3 factor of safety on the allowable A307 load.

BP/LBP BEARING PLATES

The BP/S uses SDS 1/4 x 1 1/2 screws to provide lateral resistance when sill holes are overdrilled (screws are provided). The SDS shear capacity is 1160 lbs.

Bearing Plates give greater bearing surface than standard cut washers, and help distribute the load at these critical connections. BP Bearing Plates are designed to meet City of Los Angeles requirements for sill plate anchors and holdown stud anchors.

MATERIAL: See table

FINISH: LBP—galvanized; BP—none

INSTALLATION: See General Notes.

CODE: City of L.A. RR 25293 (BP).

Model No.	Thick-ness	Dimensions		Bolt Dia.
		W	L	
LBP1/2	3/16	2	2	1/2
LBP3/8	3/16	2	2	3/8
LBPS1/2	3/16	3	3	1/2
LBPS3/8	3/16	3	3	3/8
BP1/2	3/16	2	2	1/2
BP3/8-2	3/16	2	2	3/8
BP3/8-SDS1 1/2	3 ga	4	2	3/8
BP1/2	1/4	2 1/2	2 1/2	1/2
BP3/4	5/16	2 1/4	2 1/4	3/4
BP1	5/8	3	3	1
BP1	3/8	3 1/2	3 1/2	1

1. BP/S sold as a kit.
2. City of LA requires 2 1/2" square bearing for 3/8" bolt. UBC requires 2" square.

RFB RETROFIT BOLTS

RFBs are pre-cut threaded rod, supplied with nut and washer. May be ordered in bulk. Bulk does not come with nut and washer. Offers a complete engineered anchoring system when used with the Epoxy-Tie. Inspection is easy; the head is stamped with rod length and "No Equal" symbol for identification after installation.

MATERIAL: A307, Grade A.

FINISH: Zinc-plated

INSTALLATION: • Request T-HD for installation information.

October 4, 2000

Chuck Schaller
Forsberg Schaller Inc.
2010 Arroyo Vista Way
El Dorado Hills, CA 95762

Re: Murphy Residence
7360 Pocket Road
Sacramento, CA

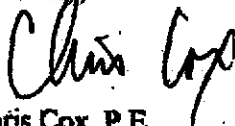
Dear Chuck,

It has come to my attention that the inspector on the above mentioned project has a few concerns regarding the floor framing. The following is a list of the items with an appropriate response to address the concern.

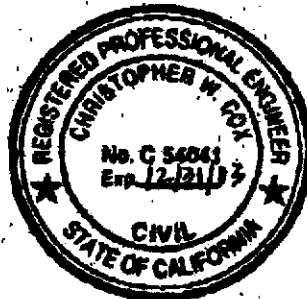
- 1) Holes for plumbing lines have been installed thru the webs of some of the I-Joists at the kitchen floor. The hole spacing does not meet the manufacturer's standard allowable hole chart. Based upon a review of the calculations, drawings and manufacturer's catalog, the joists will remain acceptable as long as a 2X filler block is added at the bottom of the holes on both sides of the web. The depth of the filler block should be maximized to fill the space from the bottom of the hole to top of the bottom flange. See attached detail.
- 2) A hole for a plumbing line which runs at a 45 degree angle has been installed thru a floor girder at the Guest Room. Based upon a review of the calculations and a very short span (3'-4"), the double 1 3/4" X 11 7/8" microllam or 3 1/2" X 11 7/8" parallam floor girder will remain acceptable with no further modifications required. See attached detail.
- 3) Per the shearwall schedule on sheet A.8, the shearwalls with 2" o.c. or 3" o.c. edge nailing require 3X sill plates with the anchor bolt spacing indicated. The installation of the anchor bolts did not allow for the 3X plates, so the existing bolts have been dapped approximately 1" in order for the washer and nut to be installed. In order to satisfy the code requirements, a modification to the sill plate bolting is required. Additional anchor bolts shall be installed at a spacing of twice the spacing indicated in the shearwall schedule. For shearwall types '2' and '3' the existing bolts are spaced at 16" o.c. and new anchor bolts shall be added at 32" o.c. The new anchor bolts shall be 1/2" diameter with 4" minimum embedment into the existing concrete stemwall with Simpson SET adhesive system or equivalent.

Please call if you have any questions.

Sincerely,

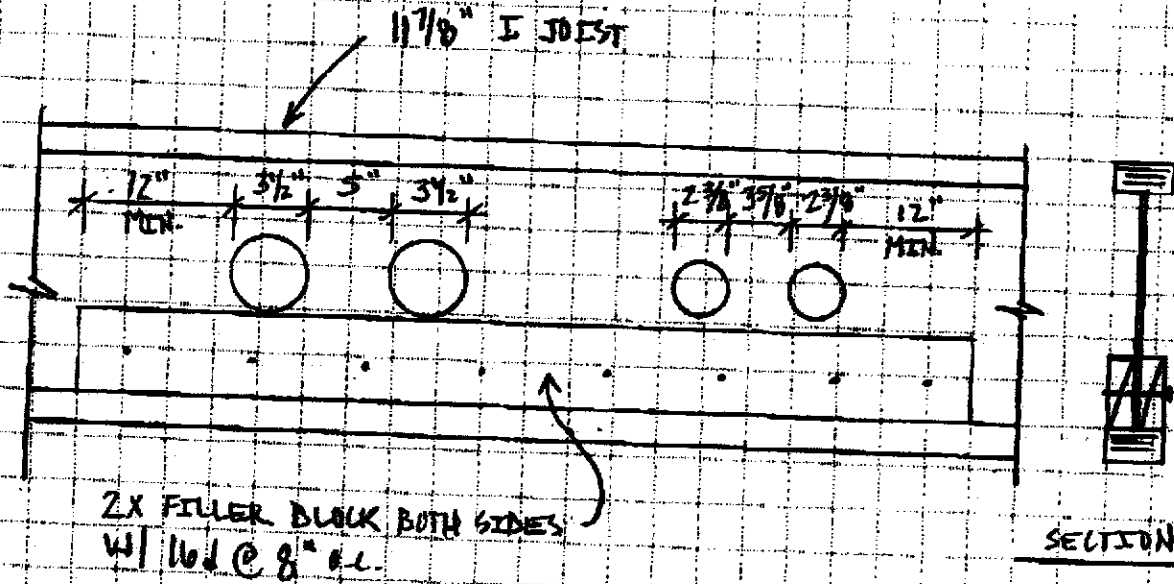


Chris Cox, P.E.
5209 Olivehurst Way
Elk Grove, CA 95758
(916) 691-2404

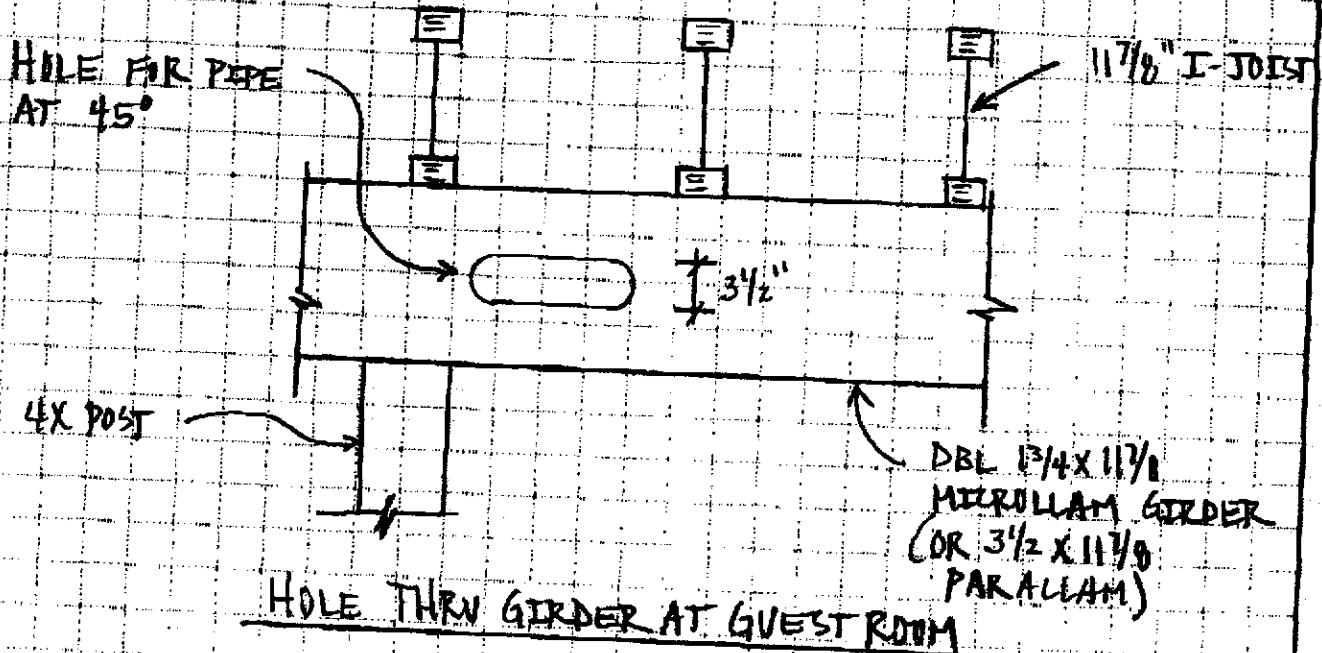


CHRIS COX, ENGINEER
5209 OLIVEHURST WAY
ELK GROVE, CA 95758
(916) 691-2404

JOB MURPHY RESIDENCE
SHEET NO. D1 OF ONE
CALCULATED BY CNC DATE 10/4/00
CHECKED BY _____ DATE _____
SCALE _____



HILES THRU I-JOISTS AT KITCHEN





Louisiana-Pacific Corporation

10300 Ridgeview Court
Alta Loma, CA 91737
(800) 515-7570
(909)-476-0358 FAX

October 10, 2000

Mr. Chuck Schaller
Forsberg Schaller, Inc.
2010 Arroyo Vista Way
El Dorado Hills, CA 95762

RE: Damaged joist - Murphy Residence
7260 Pocket Road
Sacramento, CA

Dear Mr. Schaller,

The CTR 250 joist that had four holes drilled in the web closer than our hole chart permits was reviewed and found to be structurally sound with the drilled holes. There is no repair required for this joist. A copy of the calculation is attached to this letter for your reference. A wet sealed calculation will be mailed to you.

Please feel free to call me if you should have any questions.

Sincerely,

Louis T. Gutierrez, P.E.
Western Engineering Manager

2000.1.1 Allowable Stress Design

- NOTE
- THIS LPI JOIST IS DESIGNED TO SUPPORT ONLY VERTICAL LOADS AS SHOWN. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, UPLIFT CONNECTIONS, OR LATERAL BRACING FOR WIND OR OTHER LOAD CONDITIONS IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.
 - PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.
 - DO NOT CUT, NOTCH OR DRILL LPI FLANGES.
 - SHIM ALL BEARINGS FOR FULL CONTACT.
 - VERIFY DIMENSIONS BEFORE CUTTING LPI TO SIZE.
 - THIS LPI IS TO BE USED AS A FLOOR JOIST ONLY.
 - PROVIDE COMPRESSION EDGE BRACING AT 37" O.C. OR LESS.

--- THIS DRAWING IS NOT TO SCALE ---

NO REPAIR REQUIRED

THIS DESIGN IS FOR THE REFERENCED PROJECT ONLY AND SHOULD NOT BE USED WITH ANY OTHER PROJECT OR DESIGN.

SUPPORT REACTIONS (LBS):
CASE BEARING NUMBER

1	362
2	72

MIN BEARING SIZES (IN-SX)

3-0	3-0
3-0	3-0

MAXIMUM DEFLECTIONS
CALCULATED ALLOWABLE

LIVE LOAD	0.05"	0.26"
DEAD LOAD	0.02"	
TOTAL LOAD	0.06"	0.52"

LOAD TABLE

NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (I), OTHER LOAD CASES FOR PATTERN LIVE LOADS ARE CHECKED AND REQUIRED.

DISTRIBUTION	SOURCE	TYPE	LOAD	FROM	TO	LOAD	UDF
UNIFORM	FLOOR	LIVE	53 PLF	00-00-00	10-10-04	1.000	0.900
UNIFORM	FLOOR	DEAD	13 PLF	00-00-00	10-10-04	0.900	

WARNING NOTES:

THIS COMPONENT DESIGN IS SPECIFICALLY FOR LOUISIANA-PACIFIC ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN GANG-LAM LVL, TRICLAM LVL, LPI JOISTS, OR TJI JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL.

ANCHOR LPI JOIST SECURELY TO BEARINGS OR HANGERS.

1 CTR 250 DEPTH 11.875"
WEB: 0.375" ORIENTED STRAND BOARD
FLANGE 1.50 X 1.75 2150FL-2.0

DESIGN CRITERIA

LIVE LOAD = 40 PSF
DEAD LOAD = 10 PSF
TOTAL LOAD = 50 PSF

SPACING = 16.00 IN. C/C

DEFLECTION CRITERIA:

LIVE LOAD DEFL. = L / 480
TOTAL LOAD DEFL. = L / 240

LOAD SHARING:

CODE COMPLIANCES:

REPORT #
ICBO PFC-3754
BOCA 98-65
CCBC 11094-R
N.Y. CITY MEA 96-94-E VOL. III
SBCCI 9815
WISCONSIN 98002-M

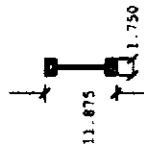
OPENINGS

SPAN TYPE	Height (IN)	Width (IN)	Dist. (FT)
1 CIRCLE	2.00	N/A	2.02
1 CIRCLE	2.00	N/A	2.51
1 CIRCLE	3.00	N/A	2.75
1 CIRCLE	3.00	N/A	4.25

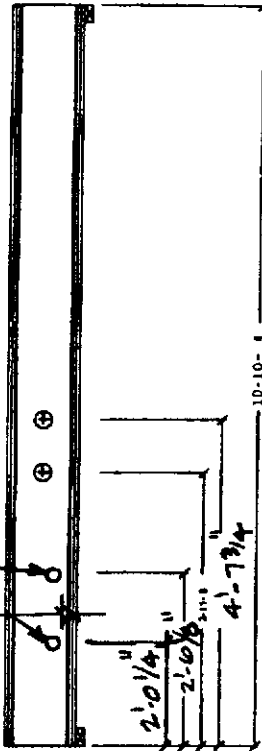
LOCATE CENTER LINE OF HOLE ON CENTER LINE OF WEB AT DISTANCE SHOWN.

DEFLECTION ASSUMES COMPOSITE ACTION WITH GLUED AND NAILED 19/32" APA RATED SHEATHING (32/16 SPAN RATING).

(2) 2" Ø HOLES



CROSS SECTION



Georg-Lam LVL, Triclam LVL, LPI Joist, and TJI Joist Specifications

* Supports and connections for Georg-Lam LVL, Triclam LVL, LPI Joists, and TJI Joists to be specified by applicant.
* Connector nails shown herein to give stress shall be spaced a minimum of 4" on center.
* For 100 and 3" for 80.
* All cut, notch, drill or other damage to LVL, Triclam LVL, LPI Joists, and TJI Joists shall be repaired in accordance with the manufacturer's instructions. The repair shall be made in such a manner that the repaired area is not weaker than the original material.
* All LVL, Triclam LVL, LPI Joists, and TJI Joists shall be installed in accordance with the manufacturer's instructions. The manufacturer's instructions shall be provided to the contractor.
* All LVL, Triclam LVL, LPI Joists, and TJI Joists shall be installed in accordance with the manufacturer's instructions. The manufacturer's instructions shall be provided to the contractor.

Miscellaneous Information

The use of this component shall be specified by the designer of the complete structure. Obtain all the necessary code compliance approvals and instructions from the designer of the complete structure before using this component. The designer shall be responsible for providing the necessary information to the manufacturer. The manufacturer's instructions shall be provided to the contractor. The manufacturer's instructions shall be provided to the contractor.

Handling & Erection

Frequency and maximum handling for building components and for reeling lateral forces shall be designed and specified by the designer. The designer shall be responsible for providing the necessary information to the manufacturer. The manufacturer's instructions shall be provided to the contractor. The manufacturer's instructions shall be provided to the contractor.

Software Provided By:
Louisiana-Pacific Corp
Engineered Wood Products
2706 Highway 427 North
Wilmington, NC 28403
Local (910) 782-8878
National Wares (800) 999-8105

DWG # A0010-026
SHEET # 1 OF 1

2000.1.1 - Allowable Steel Design

- NOTE: THIS L.P.I. JOINT IS DESIGNED TO SUPPORT ONLY VERTICAL LOADS AS SHOWN. VERIFICATION OF LATERAL DEFLECTION LIMITATIONS, FRAMING METHODS, LIFT CONNECTIONS, OR LATERAL BRACING FOR WIND OR OTHER LOADS SHALL BE THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER. THE DESIGN RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.
- DO NOT CUT, NOTCH OR DRILL L.P.I. FLANGES.
 - DO NOT CUT BEARINGS FOR RAIL CONTACT.
 - VERIFY DIMENSIONS BEFORE CUTTING L.P.I. TO SIZE.
 - THIS L.P.I. IS TO BE USED AS A FLOOR JOIST ONLY.
 - PROVIDE COMPRESSION EDGE BRACING AT SP' E/C OR LESS.

*** THIS DRAWING IS NOT TO SCALE ***

NO REPAIR REQUIRED

THIS DESIGN IS FOR THE REFERENCED PROJECT ONLY AND SHOULD NOT BE USED WITH ANY OTHER PROJECT OR DESIGN.

SUPPORT REACTIONS (KIPS):

CASE	NUMBER	1	2
		352	362
		72	72

MIN BEARING SIZES (IN-SK)

3 - 8	3 - 8
-------	-------

LOAD TABLE

NOTE: LOADS SHOWN ARE FOR INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADS ARE CHECKED AS REQUIRED (BASED ON DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER).

DISTRIBUTION	SOURCE TYPE	LOAD	FROM	TO	LOAD	LOT
UNIT FORM	FLOOR	LIVE	53 PLF	00-00-00	10-10-04	1, 800
UNIT FORM	FLOOR	DEAD	1.3 PLF	00-00-00	10-10-04	0, 900

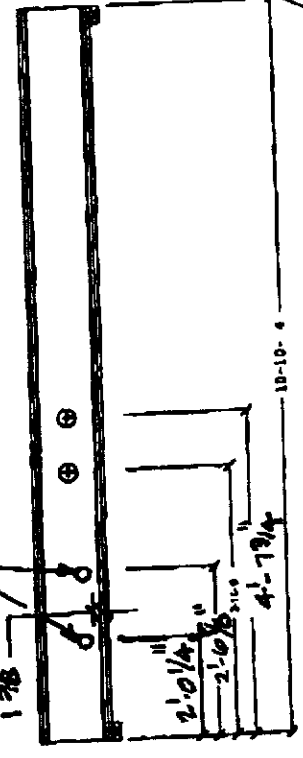
WARNING NOTES

THIS COMPONENT DESIGN IS SPECIFICALLY FOR LOUISIANA-PACIFIC ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN GROUND-LINE L.P.I. TRUCKS, L.P.I. JOISTS, OR T.U. JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL.

ANCHOR L.P.I. JOIST SECURELY TO BEARINGS OR HANGERS.

1. CTR. JOIST DEPTH 11.875"
 MIN. 0.135" ORIENTED STRAUJ BOARD
 FLANGE 1.50" X 1.75" 218DFR-2.0

(2) 2" Ø HOLES



DESIGN CRITERIA:

LIVE LOAD	-	40 PSF
DEAD LOAD	-	10 PSF
TOTAL LOAD	-	50 PSF

DEFLECTION CRITERIA:

LIVE LOAD DEFL.	5 / 400
TOTAL LOAD DEFL.	1 / 240

SPACING = 16.00 IN. C/C

LOAD SUBMITTING:

CODE COMPLIANCE:

TCBO

BOCA

CCBC

N.Y. CITY

SBOCC

WISCONSIN

REPORT #

98-03

11084-R

REV. 96-04-E VOL. 12

98012-R

SPAN TYPE

HEIGHT

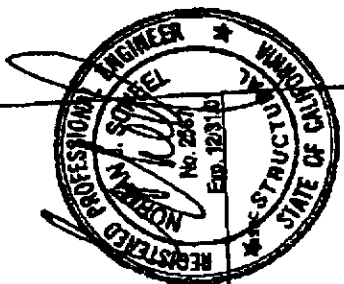
1 CIRCLE

2 CIRCLE

3 CIRCLE

LOCATE CENTER LINE OF HOLES ON CENTER LINE OF JOIST AT DISTANCE SHOWN.

DEFLECTOR ASSEMBLY COMPOSITE ACTION WITH GLEBE AND MAILED 19/12" APA BATED SHAKETIMING (12/16 SPAN RATING).



Software Provided By:
 Louisiana-Pacific Corp.
 Engineered Wood Products
 2781 Highway 40 North
 Metairie, LA 70001
 Local (504) 885-0878
 National (800) 895-9146

A0010-025
 1 OF 1

Comp-Lam LVL, Trademark LVL, LPI Joist, and T.U. Joist Specifications
 Reports and Instructions for Comp-Lam LVL, Trademark LVL, LPI Joist, and T.U. Joist are available upon request.

The use of this component shall be subject to the acceptance of all applicable building codes, local, state, and federal. The manufacturer shall be responsible for providing the necessary information for the design of this component. The manufacturer shall be responsible for providing the necessary information for the design of this component.

Heading & Erection
 The design and erection shall be subject to the acceptance of all applicable building codes, local, state, and federal. The manufacturer shall be responsible for providing the necessary information for the design of this component.

MAXIMUM DEFLECTIONS

LIVE LOAD	8.85"
DEAD LOAD	9.26"
TOTAL LOAD	9.58"

ALLOTTED ALLOWABLE

LIVE LOAD	8.85"
DEAD LOAD	9.26"
TOTAL LOAD	9.58"

DESIGN CRITERIA

LIVE LOAD	40 PSF
DEAD LOAD	10 PSF
TOTAL LOAD	50 PSF