

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0214075

Insp Area: 4

Thos Bros:

Sub-Type: NSFR

Housing (Y/N): N

Site Address: 3615 BILSTED WY SAC
Parcel No: NATOMAS CROSSING 20 LOT 3

CONTRACTOR
KIMBALL HILL HOMES
10535 EAST STOCKTON BL. STE. K
ELK GROVE CA. 95624

OWNER

ARCHITECT

Nature of Work: NATOMAS CROSSING MP4073 2 STORY 12 ROOM SFR

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 701803 Date 10/23/02 Contractor Signature N. Collins

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 _____

PAID
CITY OF SACRAMENTO

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.

OCT 23 2002
CITY OF SACRAMENTO
PERMIT CENTER

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 10/23/02 Applicant/Agent Signature N. Collins

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 SAFETY RRG, INC Policy Number WC347274800 Exp Date 10/01/2002

____ (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 10/23/02 Applicant Signature N. Collins

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.

RESIDENTIAL BUILDING PERMIT APPLICATION

New Construction Addition Remodels Other

Project Address: 3615 Bilestead Way

Assessor Parcel # 225

OWNER INFORMATION:

Lot 3

0214075

Legal Property Owner: Kimball Hill Homes Phone # (916) 714-1153
Owner Address: 10535 East Stockton Blvd City Elk Grove State Ca. Zip 95624

CONTRACTOR INFORMATION:

Natomas Crossing Unit #20

Contractor: Kimball Hill Homes Lic. # 701803 Phone # 714-1153 Fax # 714-1425

PROJECT INFORMATION:

Land Use Zone R-14 Occupancy Group R-3 Construction Type VN Fed Code 1A

No. of stories: 2 No. of rooms: 12 Street width: _____

1st Floor Area 1998 2nd Floor Area 2075 Basement _____ Roof Material _____

AREA IN SQUARE FOOT OF:

EXISTING

NEW

Dwelling/Living	_____	<u>4073</u>
Garage/Storage	_____	<u>622</u>
Decks/Balconies	_____	<u>40</u>
Carports	_____	_____

SCOPE OF WORK:

FOR OFFICE USE ONLY

- Information above complete
- Violation files checked
- Standard setbacks
- County Sewer
- AR Flood Waiver required
- Flood Elevation Certificate Required
- Water Development Infill Area
- Planning Approval
- Design Review Approval
- Special Fee Districts Apply

NEW STRUCTURES & ADDITIONS

THE FOLLOWING MUST BE PROVIDED IN ORDER TO SUBMIT FOR PLAN REVIEW

- COMPLETE PLANS, LEGIBLE & DRAWN TO SCALE
- PROJECT IS IN DESIGN REVIEW AREA
- Plans to include: site plan, floor plan, elevations, roof/ceiling plan, foundation and structural framing details, and structural calculations for non-conforming structures.

- Energy Compliance documentation
- Planning and Erosion Control Questionnaire
- 11" x 17" copy of floor plan for County Assessor
- Plan Review Fee

Received by _____





**INSULATION CONTRACTORS
ASSOCIATION
OF AMERICA**

INSULATION
CERTIFICATE
42590

1321 DUKE STREET, SUITE 303 • ALEXANDRIA, VA 22314 • (703) 739-0356

THIS IS TO CERTIFY THAT INSULATION HAS BEEN INSTALLED IN CONFORMANCE WITH CURRENT ENERGY REGULATIONS, CALIFORNIA ADMINISTRATIVE CODE TITLE 24, STATE OF CALIFORNIA, IN THE BUILDING LOCATED AT

K.H.A. LOT # 303 TRACT # NA 70005

STREET 3615 Bilstead CITY SAK

EXTERIOR WALLS:

MANUFACTURER F6 THICKNESS/TYPE 3/8 R- VALUE 13

CEILING:

BATTS: MANUFACTURER F6 THICKNESS/TYPE 10 R- VALUE 30

BLOWN IN: MANUFACTURER OT MINIMUM THICKNESS 12 R- VALUE 30

MANUFACTURER _____ THICKNESS/TYPE _____ R- VALUE _____

SQUARE FOOTAGE COVERED 2032 NUMBER OF BAGS USED 37

FLOORS: MANUFACTURER _____ THICKNESS/TYPE _____ R- VALUE _____

SLAB ON GRADE: MANUFACTURER _____ THICKNESS/TYPE _____ R- VALUE _____

MANUFACTURER _____ THICKNESS/TYPE _____ R- VALUE _____

WIDTH OF INSULATION _____ INCHES

FOUNDATION WALLS: MANUFACTURER _____ THICKNESS/TYPE _____ R- VALUE _____

MANUFACTURER _____ THICKNESS/TYPE _____ R- VALUE _____

GENERAL CONTRACTOR _____ DATE _____

CALIFORNIA CONTRACTORS LICENSE # _____

INSULATION CONTRACTOR **ARCADE INSULATION** TITLE _____

CALIFORNIA CONTRACTORS LICENSE #815286 DATE 5-13-3

NEVADA CONTRACTORS LICENSE #55201 SIGNATURE _____ TITLE _____

INSTALLATION CARD

OMEGA DIAMOND WALL INSULATING ONE COAT SYSTEM
OMEGA PRODUCTS INTERNATIONAL, INC.

Job Address:

KHH - LOT 303
3615 Bilsted
SACRAMENTO CA.

ICBO Evaluation Service, Inc.
Report 4004

4-103
Date of Job Completion

Plastering Contractor:

Name: Mid Valley Plastering, Inc.

Address: 4807 S. Airport Way, Unit # D
Stockton, CA 95206-4924

Telephone: (209) 234-2671

Approved Contractor Number as Issued by the Coating Manufacturer Omega Diamond Wall No. 2315

This is to certify that the exterior system on the building exterior at the above address has been installed in accordance with the evaluation report specified above and the manufacturer's instructions

Jeff Shan
Signature of Plastering Contractor

8-6-02
Date

This installation card must be presented to the building inspector after completion of work and before final inspection

3/29/03

Due to electrical trench problems at 3621 bilsted way I am unable to put the fence line on the side of 3615 bilsted. The trench will be backfilled in the next couple of days. We will then be able to grade and put the fence in. this will all be complete within two weeks of todays date.

Thank you

Anthony Look Lr.

ROBERTSON ENGINEERING

8536 Elder Creek Rd., Sacramento, CA 95828
Phone: (916) 388-0866 Fax: (916) 388-0740

March 12, 2003

Building Department
City of Sacramento

Re: Kimball Hill Homes
Natomas Crossing
Plan 4073

3615 Bilstead

Dear Sir or Madam:

The following issues have been brought to my attention for clarification.

- 1) The 2x10 shown supporting the end of the floor over the stairs may be changed to a 2x6 to provide the necessary head clearance.
- 2) Where the TJI over the breakfast area has been cut for the plumbing of the upstairs toilet, a header opening may be installed around the plumbing by installing headers between the next adjacent joist and the end wall. If the distance between the next adjacent joist and the end wall is not more than 24", the damaged joist may be removed and the 48" o.c. joist blocking may be installed between the end wall and the next adjacent joist.
- 3) The 6"x6" cut out in the shear wall at the back of the house next to the slider does not require a repair. This is the maximum hole size allowed in this shear wall. Where the studs in this wall are over bored, install 2x4 flat stud next to the damaged studs and nail the damaged studs to the flat studs with 16d sinker nails at 6" o.c.
- 4) Where the floor joist has been cut for the plumbing of a tub approximately 16" from the end wall, install an 8' 2x4 DF scab tight to fit underneath the top flange of the joist. Nail the OSB web of the joist to the 2x4 scab using 8d common wire nails at 4" o.c.

If you have any questions, please feel free to call.

Sincerely,

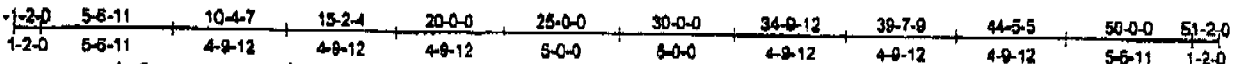

Richard M. Robertson, P.E.



JOB	TRUSS	TRUSS TYPE	CITY	PLY	PROJECT
KH4073	A3A/A3C	PIGGYBACK SCISSOR	1	1	KIMBALL HILL HOMES PLAN 4073

(BOB) GENERAL TRUSS CO., INC., SACRAMENTO, CA 95628

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ALTERNATE CONDITION:
 NO OVERHANGS AT LIGHT END
 AT TRUSS ID A3C

PROVIDE (4) ROWS OF 2x4 BRACING.
 ATTACH TO EACH TRUSS USING
 (2) 1/2" SINKERS

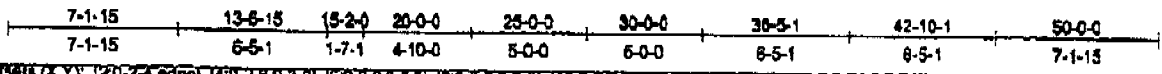
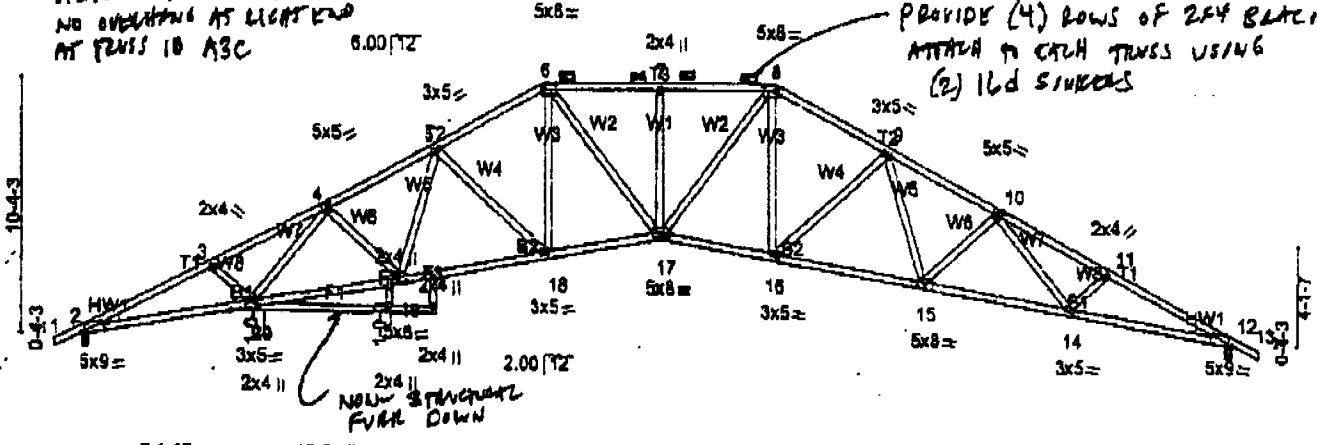


Plate Offsets (X,Y): [20-2-4,edge], [40-2-8,0-3-0], [60-8-0,0-2-8], [80-8-0,0-2-8], [100-2-8,0-3-0], [120-2-4,edge], [150-3-12,0-3-0], [170-4-0,0-2-12], [190-3-12,0-3-0], [20-0-11-13,0-4-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES GRIP
TCLL 18.0	Plates Increase 1.90	TC 0.94	(in) (loc) Vdef	M20 220/195
TCCL 14.0	Lumber Increase 1.25	BC 0.77	Var(L) -0.40 17 >999	
BCLL 0.0	Rep Stress Incr YES	WB 0.51	Var(TL) -0.92 17 >652	
BCCL 7.0	Code UBC97/ANSI95		Horz(TL) 0.87 12 N/A	
			1st LC LL Min Vdef = 380	Weight: 271 lb

LUMBER
 TOP CHORD 2 X 4 DF No. 1&Btr-G
 BOT CHORD 2 X 4 DF No. 1&Btr-G
 WEBS 2 X 4 DF S4c-G
 OTHERS 2 X 4 DF S4c-G
 WEDGE Left: 2 X 4 DF Std, Right: 2 X 4 DF Std

BRACING
 TOP CHORD Sheathed or 2-5-0 on center purlin spacing.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 on center bracing.

REACTIONS (lb/size) 2=1818/0-3-8, 12=1918/0-3-8

FORCES (lb) - First Load Case Only

TOP CHORD 1-2=14, 2-3=3152, 3-4=4050, 4-5=4399, 5-6=3620, 6-7=3655, 7-8=3955, 8-9=3620, 9-10=4399, 10-11=4850, 11-12=5152, 12-13=14
 BOT CHORD 2-20=4626, 19-20=4268, 18-19=3794, 17-18=3294, 16-17=3294, 15-16=2794, 14-15=4268, 12-14=4626
 WEBS 3-20=185, 4-20=354, 4-18=444, 5-18=488, 5-18=672, 6-18=804, 6-17=840, 7-17=287, 8-17=640, 8-16=604, 9-16=672, 9-15=488, 10-15=444, 10-14=354, 11-14=185

NOTES

- 1) This truss has been checked for unbalanced loading conditions.
- 2) Provide adequate drainage to prevent water ponding.
- 3) All plates are M20 plates unless otherwise indicated.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B, UBC-97
- 5) A plate rating reduction of 20% has been applied for the green lumber members.
- 6) Bearing at joint(s) 2, 12 considers parallel to grain value using ANSI/TPI 1-1998 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) This truss has been designed with ANSI/TPI 1-1996 criteria.

LOAD CASE(S) Standard

OCT 15 2002



Job	Truss	Truss Type	Qty	Ply	Remarks
KH4073	A3/A3B	PIGGYBACK SCISSOR	3	1	KIMBALL HILL ROMES PLAN 3073.

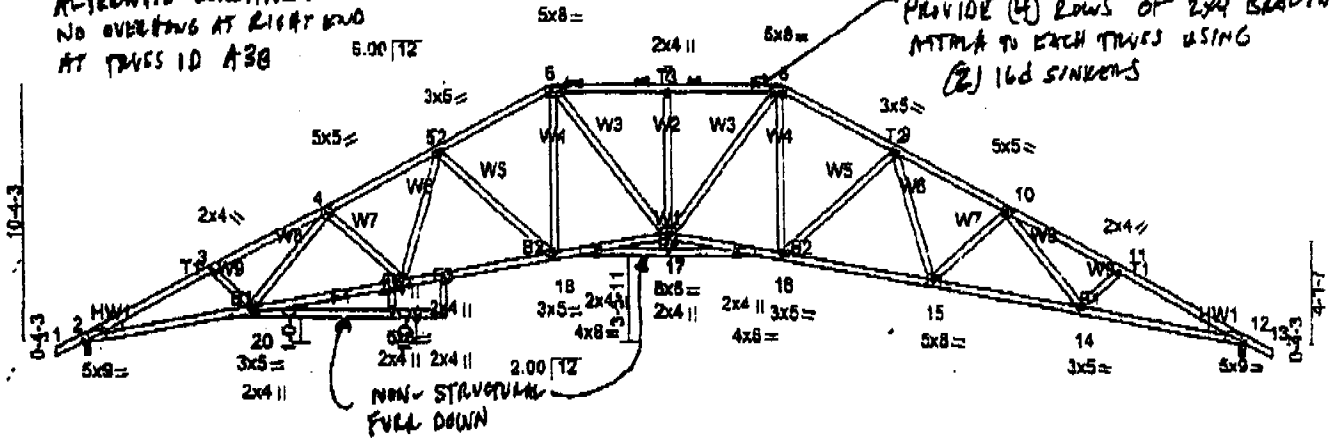
(866) GENERAL TRUSS CO. INC., SACRAMENTO, CA 95828

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1-2-0	5-6-11	10-4-7	15-2-4	20-0-0	25-0-0	30-0-0	34-8-12	39-7-8	44-5-5	50-0-0	51-2-0
1-2-0	5-6-11	4-8-12	4-6-12	4-8-12	6-0-0	5-0-0	4-8-12	4-8-12	4-6-12	5-6-11	1-2-0

ALTERNATE CONDITION:
No overhangs at right end
at truss ID A3B

PROVIDE (4) ROWS OF 2x4 BRACING
PARALLEL TO EACH TRUSS USING
(2) 16d SINKERS



7-1-15	13-8-15	15-2-0	20-0-0	25-0-0	30-0-0	36-5-1	42-10-1	50-0-0
7-1-15	6-5-1	1-7-1	4-10-0	5-0-0	6-0-0	6-5-1	6-5-1	7-1-15

Plate Cuts (K, Y): (20'-2" edge), (4'-0" x 8'-0" edge), (10'-0" x 8'-0" edge), (10'-0" x 2'-0" edge), (10'-0" x 2'-0" edge), (12'-0" x 2'-0" edge), (16'-0" x 2'-0" edge), (19'-0" x 2'-0" edge), (20'-0" x 1'-10" edge), (25'-0" x 1'-12" edge), (28'-0" x 1'-12" edge)

LOADING (psf)	SPACING	CSI	DEFL	PLATES GRIP
TCLL 18.0	2-0-0	TC 0.84	(in) (loc) Vdefl	M20 220/195
TCOL 14.0	Plates Increase 1.00	BC 0.77	Vert(LL) -0.40 17 >989	
BCOL 0.0	Lumber Increase 1.25	WB 0.51	Vert(TL) -0.92 17 >862	
ECOL 7.0	Rep Stress Incr YES		Horz(TL) 0.57 12 n/a	
	Code UBC97/ANSI95		1st LC LL Min Vdefl = 360	Weight: 282 lb

LUMBER
 TOP CHORD 2 X 4 DF No. 1&B r-G
 BOT CHORD 2 X 4 DF No. 1&B r-G
 WEBS 2 X 4 DF Std-G
 OTHERS 2 X 4 DF Std-G
 WEDGE Left: 2 X 4 DF Std, Right: 2 X 4 DF Std

BRACING
 TOP CHORD Sheathed or 2-4-0 on center purlin spacing.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 on center bracing.

REACTIONS (lb/size) 2=1818/0-3-8, 12=1818/0-3-8

FORCES (lb) - First Load Case Only
 TOP CHORD 1-2=14, 2-3=5152, 3-4=4950, 4-5=4339, 5-6=3620, 6-7=3655, 7-8=3855, 8-9=3620, 9-10=4339, 10-11=4950, 11-12=5152, 12-13=14
 BOT CHORD 2-20=4828, 18-20=4288, 16-19=3794, 17-18=3294, 16-17=3294, 15-18=3794, 14-15=4288, 12-14=4628
 WEBS 3-20=185, 4-20=364, 4-19=444, 5-19=488, 5-18=672, 6-18=804, 6-17=940, 7-17=287, 8-17=640, 8-16=804, 9-16=872, 9-15=488, 10-15=444, 10-14=354, 11-14=185

- NOTES**
- 1) This truss has been checked for unbalanced loading conditions.
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) All plates are M20 plates unless otherwise indicated.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 15-B, UBC-97.
 - 5) A plate rating reduction of 20% has been applied for the green lumber members.
 - 6) Bearing at joint(s) 2, 12 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard

OCT 15 2002

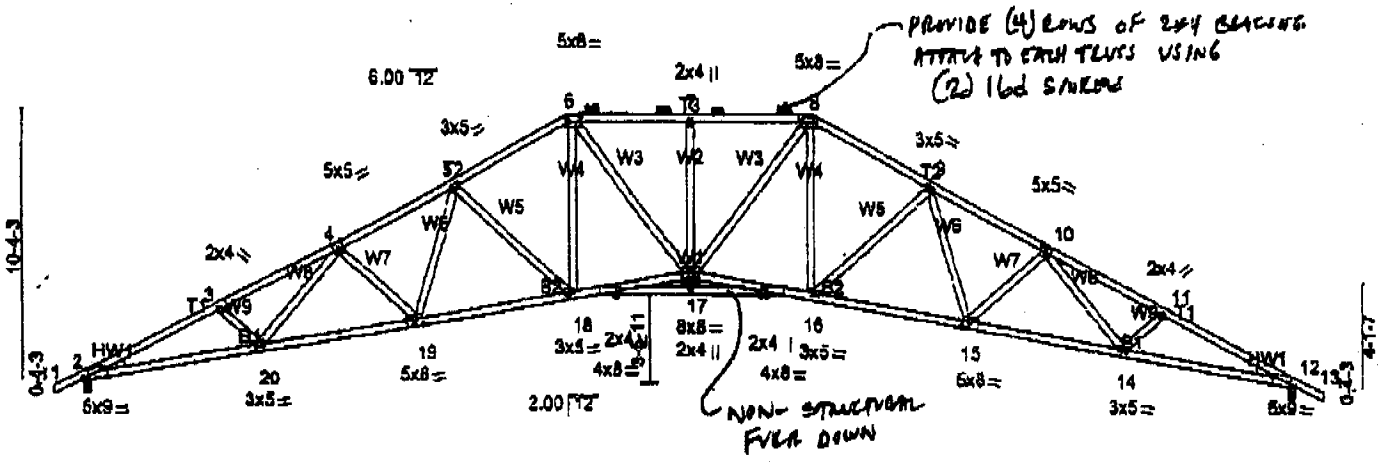


Job	Truss	Truss Type	Qty	Ply	PROJECT
KH4073	A5	PIGGYBACK SCISSOR	4	1	KIMBALL HILL RUMBLE PLAN 4073

(855) GENERAL TRUSS CO. INC., SACRAMENTO, CA 95828

4-0-32 s Feb 18 1989 Millak Industries, Inc. 108 OCT 15 07:54:14 2002 Page 1

1-2-0	5-6-11	10-4-7	15-2-4	20-0-0	25-0-0	30-0-0	34-9-12	39-7-9	44-5-5	50-0-0	51-2-0
1-2-0	5-6-11	4-8-12	4-9-12	4-9-12	5-0-0	5-0-0	4-8-12	4-9-12	4-9-12	5-8-11	1-2-0



7-1-15	13-8-15	20-0-0	25-0-0	30-0-0	38-5-1	42-10-1	50-0-0
7-1-15	6-5-1	6-5-1	5-0-0	5-0-0	6-5-1	8-5-1	7-1-15

PLATE OFFSET (X,Y): [20'-2-4, edge], [43'-2-8, 0-3-0], [6'-0-0, 0-2-0], [6'-0-0, 0-2-0], [10'-0-2, 0-3-0], [12'-0-2-4, edge], [15'-0-3-12, 0-3-0], [19'-0-3-12, 0-3-0], [21'-0-1-12, edge], [22'-0-1-12, edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES GRIP
TCLL 18.0	2-0-0	TC 0.84	(in) (loc) Udefl	M20 220/195
TCCL 14.0	Plates Increase 1.00	BC 0.77	Vert(LL) -0.40 17 >999	
BCLL 0.0	Lumber Increase 1.25	WB 0.51	Vert(TL) -0.82 17 >852	
BCCL 7.0	Rep Stress Iner YEE		Horz(TL) 0.57 12 n/a	
	Code UBC97/ANSI65		1st LC LL Min Udefl = 360	Weight: 267 lb

LUMBER
 TOP CHORD 2 X 4 DF No. 1B Br-G
 BOT CHORD 2 X 4 DF No. 1B Br-G
 WEBS 2 X 4 DF S18-G
 WEDGE Left: 2 X 4 DF Std, Right: 2 X 4 DF Std

BRACING
 TOP CHORD Sheathed or 2-5-0 on center purlin spacing.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 on center bracing.

REACTIONS (lb/size) 2=1916/0-3-8, 12=1916/0-3-8

FORCES (lb) - First Load Case Only
 TOP CHORD 1-2=14, 2-3=5152, 3-4=4850, 4-5=4339, 5-6=3620, 6-7=3855, 7-8=3855, 8-9=3620, 9-10=4339, 10-11=4850, 11-12=5152, 12-13=14
 BOT CHORD 2-20=4828, 19-20=4268, 18-19=3794, 17-18=3294, 16-17=3294, 15-16=3794, 14-15=4288, 13-14=4828
 WEBS 3-20=185, 4-20=364, 4-19=444, 5-19=495, 6-19=572, 6-18=604, 6-17=940, 7-17=287, 8-17=940, 8-16=604, 9-16=672, 9-15=488, 10-15=444, 10-14=354, 11-14=185

- NOTES**
- 1) This truss has been checked for unbalanced loading conditions.
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) All plates are M20 plates unless otherwise indicated.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B, UBC-97.
 - 5) A plate rating reduction of 20% has been applied for the green lumber members.
 - 6) Bearing at Jom(s) 2, 12 considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard

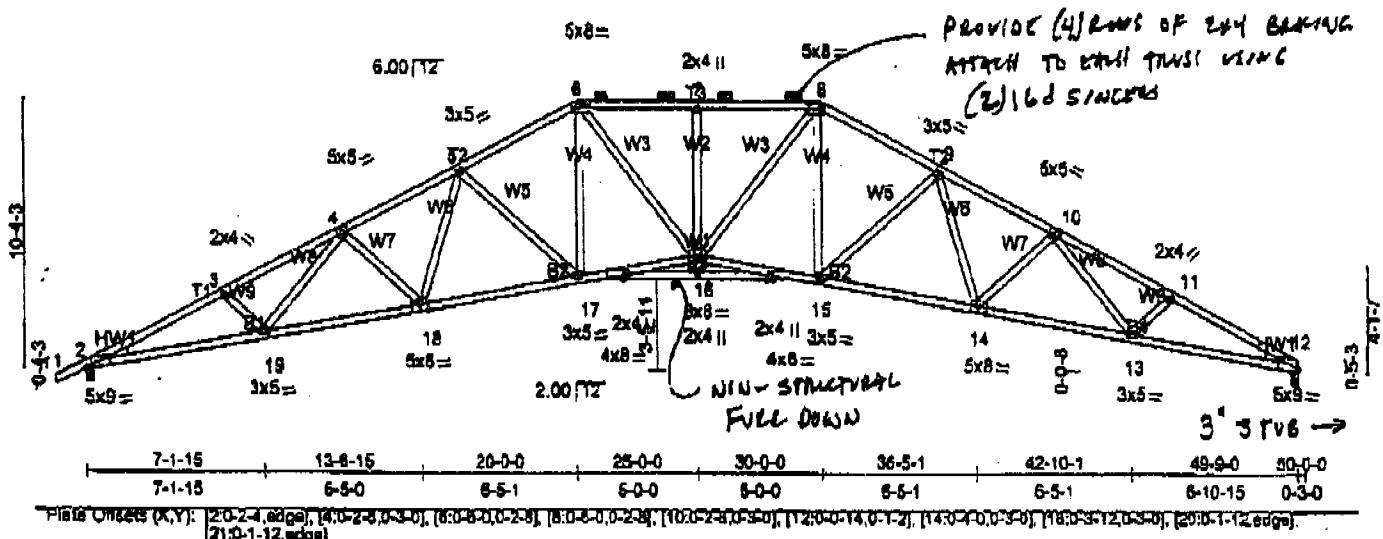
OCT 15 2002



JOB	TRUSS	TRUSS Type	City	Ply	MEMBER INFORMATION
KH4073	A4	PIGGYBACK SCISSOR	S	1	KIMBALL HILL HOMES FURN 4073

(888) GENERAL TROSS CO., INC., SACRAMENTO, CA 95828 410-328-8948 18 1999 MITER INDUSTRIES, INC. 108 OCT 15 07:54:12 2002 Page 1

1-2-0	5-6-11	10-4-7	15-2-4	20-0-0	25-0-0	30-0-0	34-6-12	38-7-9	44-5-5	48-9-0	50-0-0
1-2-0	5-6-11	4-9-12	4-9-12	4-9-12	5-0-0	5-0-0	4-9-12	4-9-12	4-9-12	5-3-11	0-3-0



7-1-15	13-8-15	20-0-0	25-0-0	30-0-0	36-5-1	42-10-1	48-9-0	50-0-0
7-1-15	6-5-0	6-5-1	6-0-0	6-0-0	6-5-1	6-5-1	6-10-15	0-3-0

Plate Onsets (X,Y): [2,0-2-4,edge], [4,0-2-8,0-3-0], [6,0-8-0,0-2-8], [8,0-8-0,0-2-8], [10,0-2-8,0-3-0], [12,0-0-14,0-1-2], [14,0-0-0,0-3-0], [16,0-3-2,0-3-0], [20,0-1-12,edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES GRIP
TCLL 18.0	2-0-0	TC 0.83	(in) (occ) (def)	M20 220/185
TCDL 14.0	Plates Increase 1.00	BC 0.77	Vert(LL) -0.38 16 >886	
BCLL 0.0	Lumber Increase 1.25	WB 0.51	Vert(TL) -0.88 16 >671	
BDDL 7.0	Rep Stress Incr YES		Horz(TL) 0.86 12 r/s	Weight 265 lb
	Code UBC97/ANSI95		1st LC LL Min Keef = 360	

LUMBER
TOP CHORD 2 X 4 DF No.1&Btr-G
BOT CHORD 2 X 4 DF No.1&Btr-G
WEBS 2 X 4 DF Std-G
WEDGE Left: 2 X 4 DF Std, Right: 2 X 4 DF Std

BRACING
TOP CHORD Sheathed or 2-5-2 on center purlin spacing
BOT CHORD Rigid ceiling directly applied or 10-0-0 on center bracing.

REACTIONS (lbs/size): 12=1831/0-3-8, 2=1898/0-3-8

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=14, 2-3=5123, 3-4=1821, 4-5=4309, 5-6=3690, 6-7=3816, 7-8=3816, 8-9=3575, 9-10=4258, 10-11=4771, 11-12=4946
BOT CHORD 2-10=4800, 18-18=4241, 17-18=3787, 16-17=3288, 15-16=3252, 14-16=3731, 13-14=4193, 12-13=4408
WEBS 3-18=188, 4-18=335, 4-18=445, 6-18=488, 5-17=872, 6-17=804, 8-16=922, 7-16=287, 8-16=944, 8-15=581, 9-15=843, 9-14=451, 10-14=402, 10-13=263, 11-13=110

- NOTES**
- This truss has been checked for unbalanced loading conditions.
 - Provide adequate drainage to prevent water ponding.
 - All plates are M20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B, UBC-97.
 - A plate rating reduction of 20% has been applied for the green lumber members.
 - Bearing at joint(s) 12, 2 consider parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
 - This truss has been designed with ANSI/TPI 1-1995 criteria.
- LOAD CASE(S)** Standard

OCT 15 2002



Job #	Truss	Truss Type	Qty	Ply	Notes
KH4073	A1GE	PIGGYBACK SCISSOR	1	1	KIMBALL MILL HOMES PLAN 4073. 6,500W DRAG TRUSS

GENERAL TRUSS CO., INC. SACRAMENTO, CA 95828

4.0-32 © Feb 16 1999 MITER Industries, Inc. Thu Jun 21 10:47:48 2001 Page 1

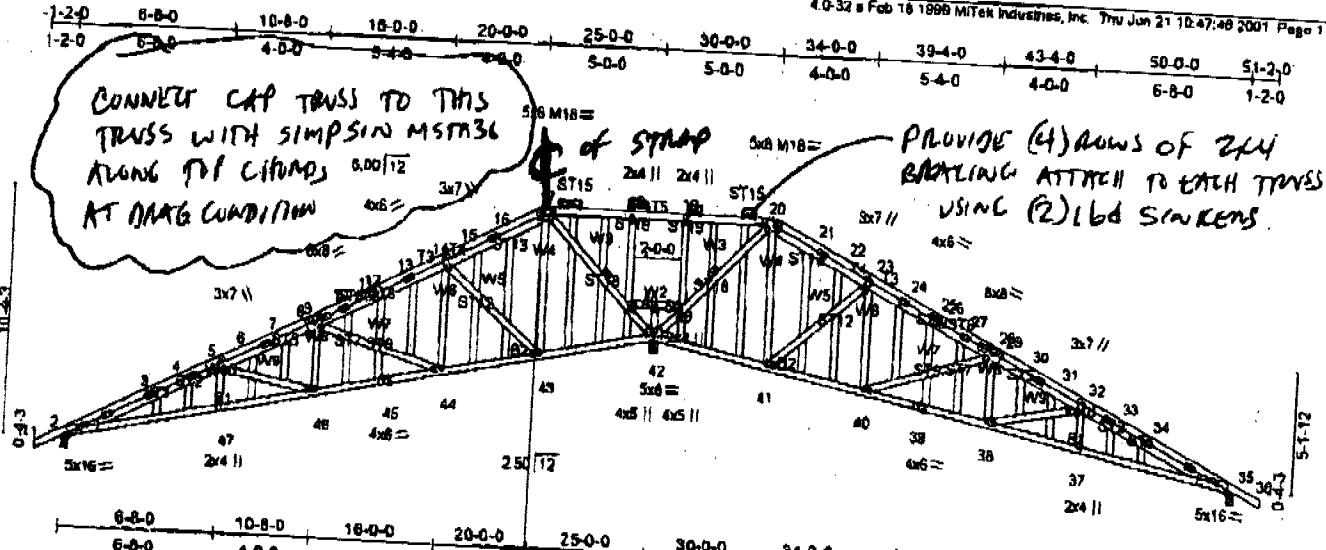


Plate Offsets (X,Y)	[2.0-0.3,0.3-1], [5.0-1.0,0.5-0], [8.0-0.0,0.1-1.2], [0.0-1.1,0.0-0], [0.0-3.14,0.1-0], [14.0-1.0,0.5-0], [17.0-5.0,0.2-4], [20.0-4.0,0.2-4], [23.0-1.0,0.5-0], [28.0-1.11,0.0-0], [28.0-3.14,0.1-0]
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LOADING (psf)	SPACING	CSJ	DEFL	PLATE GRIP
TCCL 18.0	Plates Increase 2.0-0	TC 0.51	Vert(L) 0.16 46-47 >088	M20 220/195
TCOL 14.0	Lumber Increase 1.25	BC 0.78	Vert(T) -0.23 48-47 >088	M16 170/148
BCLL 0.0	Rep Stress Incr NO	WG 0.57	Horz(TL) 0.12 35 n/a	
BCOL 7.0	Code UBC97/ANSI85	(Metric)	1x Lx Lx Min Hdon = 500	Weight 40P lb

LUMBER
 TOP CHORD 2 X 4 DF No. 1A2B+G
 BOT CHORD 2 X 4 DF No. 1A2B+G
 WEBS 2 X 4 DF SW-G
 OTHERS 2 X 4 DF SW-G

BRACING
 TOP CHORD Sheathed or 3-3-7 on center purlin spacing.
 BOT CHORD Rigid casing directly applied or 2-10-8 on center bracing.
 WEBS 1 Row at midst 17-42, 20-42

REACTIONS (k/psf) 42-25200-4-2, 2-15500-3-4, 35-6500-3-5
 Max Horiz = 213 (load case 6)
 Max Uplift = 1080 (load case 5), 2-442 (load case 5), 35-1243 (load case 4)
 Max Grav = 423928 (load case 6), 2-1212 (load case 5), 35-1880 (load case 5)

FORCES (lb) - First Load Case Only
TOP CHORD
 1-2=29, 2-3=148, 3-4=138, 4-5=135, 5-6=821, 6-7=78, 7-8=725, 8-9=714, 9-10=80, 10-11=6, 11-12=0, 12-13=1, 13-14=76, 14-15=555, 15-16=576, 16-17=850, 17-18=1863,
 18-19=1863, 19-20=1863, 20-21=882, 21-22=578, 22-23=558, 23-24=74, 24-25=1, 25-26=2, 26-27=8, 27-28=70, 28-29=713, 29-30=724, 30-31=788, 31-32=821, 32-33=1350,
 33-34=1388, 34-35=1488, 35-36=29
BOT CHORD
 2-47=1288, 48-47=1302, 45-48=884, 44-45=703, 43-44=8, 42-43=630, 41-42=555, 40-41=7, 39-40=702, 38-39=884, 37-38=1282, 35-37=1288
WEBS
 5-47=91, 5-48=490, 9-48=378, 9-44=724, 14-44=488, 14-43=716, 17-43=826, 17-46=1088, 42-48=1785, 42-48=142, 42-50=1787, 20-50=1888, 20-41=642, 23-41=727, 23-40=484,
 28-40=722, 28-39=329, 32-39=801, 32-37=81, 18-48=288, 10-50=171, 48-49=143, 48-60=143

- NOTES**
- This truss has been checked for unbalanced loading conditions.
 - Provide adequate drainage to prevent water ponding.
 - All plates on M20 plates unless otherwise indicated.
 - All plates on 3/8" M20 unless otherwise indicated.
 - Gable studs spaced at 1-4-0 on center.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads per Table No. 16-B, UBC-97.
 - A plate rating reduction of 20% has been applied for the green lumber members.
 - Bearing at joint(s) 2, 35 complete parallel to grain value using ANGLE/TH 1-1883 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1080 lb uplift at joint 42, 482 lb uplift at joint 2 and 1243 lb uplift at joint 35.
 - This truss has been designed with ANSI/TPI 1-1993 criteria.
 - Load case(s) 5, 6 has been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard Except
 5) User defined: Lumber Increase=1.33, Plate Increase=1.33
 Uniform Loads (psf)
 Vark 1-2=28.0, 2-3=58.2, 3-4=58.5, 4-5=58.5, 5-6=58.5, 6-7=50.5, 7-8=50.5, 8-9=50.5, 9-10=58.3, 10-11=58.5, 11-12=58.5, 12-13=58.5,
 13-14=58.6, 14-15=58.5, 15-16=58.5, 16-17=81.1, 17-18=28.0, 18-19=28.0, 19-20=28.0, 20-21=127.2, 21-22=115.6, 22-23=115.6,
 23-24=115.6, 24-25=115.6, 25-26=115.6, 26-27=115.6, 27-28=115.6, 28-29=115.6, 29-30=115.6, 30-31=115.6, 31-32=115.6,
 32-33=115.5, 33-34=115.5, 34-35=114.2, 2-47=14.0, 48-47=14.0, 45-48=14.0, 44-45=14.0, 43-44=14.0, 42-43=14.0, 41-42=14.0,
 40-41=14.0, 39-40=87.5, 38-39=87.5, 37-38=87.5, 36-37=87.5
 Horiz: 2-3=350.5, 3-4=350.0, 4-5=350.0, 5-6=350.0, 6-7=350.0, 7-8=350.0, 8-9=350.0, 9-10=350.0, 10-11=350.0, 11-12=350.0,
 12-13=350.0, 13-14=350.0, 14-15=350.0, 15-16=350.0, 16-17=350.0, 17-18=350.0, 18-19=350.0, 19-20=350.0, 20-21=350.0, 21-22=350.0, 22-23=350.0, 23-24=350.0,
 24-25=350.0, 25-26=350.0, 26-27=350.0, 27-28=350.0, 28-29=350.0, 29-30=350.0, 30-31=350.0, 31-32=350.0, 32-33=350.0,
 33-34=350.0, 34-35=350.0, 38-40=2588.0, 38-39=2588.0, 57-38=2588.0, 36-37=2588.0
 Drag: 17-18=175.0, 18-19=175.0, 19-20=175.0
 6) User defined: Lumber Increase=1.33, Plate Increase=1.33

Continued on page 2

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General Truss Co. Inc.8536 Elder Creek Rd.
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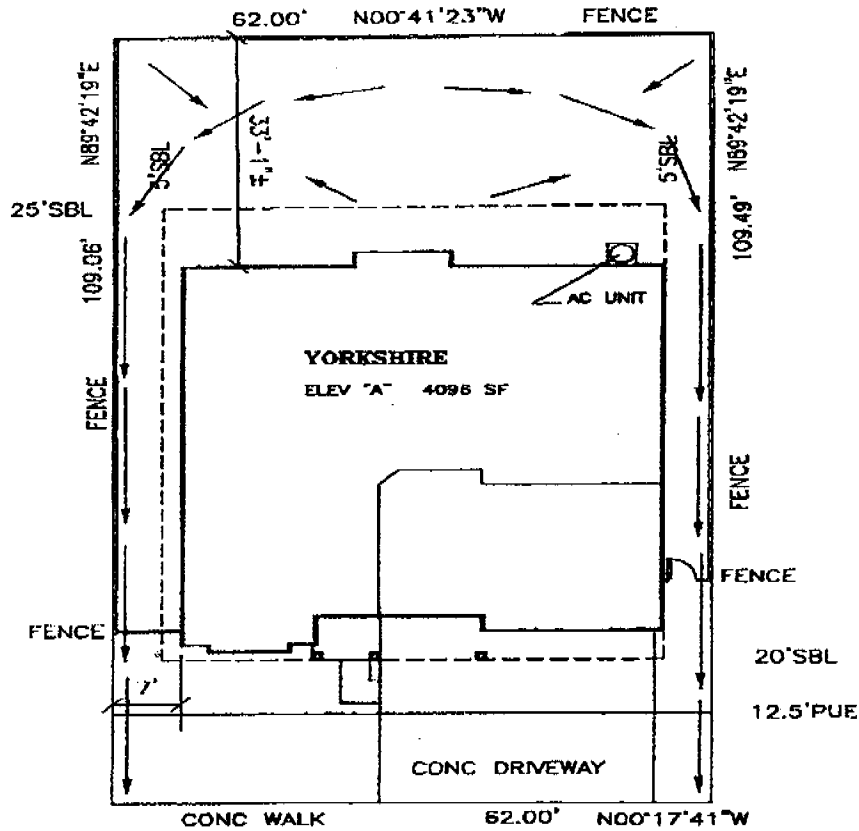
TO WHOM IT MAY CONCERN,
RE: KIMBAU HOMES PLAN 4073
TRUSS CALC CLARIFICATION

THE MSTA36 SIMPSON STRAP AT THE GABLE DRAG TRUSSES CAN BE APPLIED TO EITHER THE TOP OR THE TOP CHORD OR ON THE SIDE FACE OF THE TOP CHORD. THE SIDE WOULD BE BETTER SO THAT THE INSPECTOR CAN SEE IT EVEN IF THE ROOF IS SHEATHED. FOR MAXIMUM VALUE THE STRAP SHOULD BE CENTERED WHERE THE BASE TRUSS AND THE CAP TRUSS TOP CHORDS MEET. THE STRAP CENTER MUST BE WITHIN 4" OF THIS POINT.

Sincerely

Bob Crump

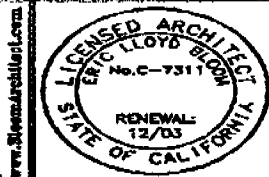
GENERAL TRUSS CO. INC.



BILSTEAD WAY



BLOOM
Architectural
Developments
Incorporated
 4437 Kenneth Avenue
 Fair Oaks, CA 95628
 (916)961-1553
 (916)967-3011 Fax



Plot Plan Disclosure This plot plan approximates a general representation of lot dimensions, easements, fence and home placement, etc. This illustration is not a condition of Kimball Hill Homes sales agreement. The actual placement and measurements demonstrated on this diagram are subject to change without notice.

Signature _____
KHH California, Inc. (916)714-1153
 10535 E. Stockton Blvd. Ste. K, Elk Grove, CA 95758

Job# 1643 03 **Plan#** 4073
Date Sep 20 02 **Draft** 1
Plan YORKSHIRE **Elev** A
Project Natomas Crossing
Lot 03 **Unit** 20
Address 3615 Bilstead Way
City Sacramento **State** CA
APN -----0000

PLOT PLAN
 Scale 1"=20'



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 or State law.