

RECEIVED

OCT 06 1998



CONSTRUCTION PERMIT APPLICATION

DIV. OF INSPECTION

Application Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 27 Brower Drive
2. Name of Owner in Fee: Mrs. M. Laskak Tel. ()
Address 27 Brower Dr.
street municipality zip code
3. Ownership in Fee: Public Private ☒
4. Principal Contractor: Michael Spine Tel. ()
Address 358 10th Ave
License No. OR, If new home, Builder Reg. No. 017 214 Exp. Date 11/99
Federal Employee No. 22-277195 FAX: () 240-4902
5. Architect or Engineer: OLIVAN Tel. () same
Address same
6. Responsible Person in Charge of Work: Michael Spine
Tel. () 240-4011 FAX () 240-4902

addr - 25' 10" of original
deck house

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$ <u>145.-</u>		
2. Electrical	\$ <u>40.-</u>		
3. Plumbing	\$ <u>25.-</u>		
4. Fire Protection	\$ <u>81.-</u>		
5. Elevator Devices			
6. Subtotal	\$ <u>3001</u>		
7. Less 20% for State Plan Review			
8. Subtotal	\$ <u>7.-</u>		
9. DCA Training Fee			
10. Subtotal	\$ <u>35.-</u>		
11. Cert. of Occupancy	\$ <u>715</u>		
12. Other <u>ZPA</u>			
13. TOTAL	\$ <u>348.-</u>		

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories 16 + 1
2. Height of Structure 16 + 1 ft.
3. Area - Largest Floor sq. ft.
4. New Building Area 200 sq. ft.
5. Volume of New Structure 720 cu. ft.
6. Construction Classification
7. Total Land Area Disturbed 200 sq. ft.
8. Flood Hazard Zone
9. Base Flood Elevation ft.
10. Wetlands yes
no
11. Max. Live Load
12. Max. Occupancy Load

(office use only)

II. PROPOSED WORK

1. ☐ Minor Work
2. ☐ New Building
3. ☒ Addition 22,906
4. ☒ Alteration 220
5. ☒ Fire Protection
6. ☐ Plumbing
7. ☒ Electrical 1395
8. ☐ Elevator Devices
9. ☐ Asbestos Abat. Subch. 8
10. ☐ Lead Hazard Abatement
11. ☐ Demolition

TOTAL COSTS 26411

Est. Cost

OPTIONAL (for office use only)

Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates	Re-viewer
					Approval	Rejection
			<u>10/9/98</u>	<u>FR</u>	<u>2/12/99</u>	<u>GR</u>
			<u>10/9/98</u>	<u>KLB</u>		
			<u>10/6/98</u>	<u>JN</u>	<u>1-15-2000</u>	<u>GR</u>
			<u>10/14/98</u>	<u>LM</u>	<u>2-12-99</u>	<u>GR</u>
	<u>GR</u>	<u>10/9/98</u>	<u>10/9/98</u>	<u>GR</u>		

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks
2. ☐ High Pressure Boilers
3. ☐ Pressure Vessels
4. ☐ Refrigeration Systems
5. ☐ Cross-Connections/Backflow Preventers
6. ☐ Hazardous Uses/Places of Assembly
7. ☐ Sprinklers
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks

III. DO YOU WANT: (optional)

1. ☐ Partial Releases
2. ☐ Prototype Processing

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

1. ☐ Hotels (R-1)
2. ☐ Multi-Family (R-2)
3. ☐ Two-Family (R-3) BOCA
4. ☐ Two-Family (R-4) CABO
5. ☒ One-Family (R-3) BOCA
6. ☐ One-Family (R-4) CABO

No. of dwelling units:

Before Construction

After Construction

Net Gain or Loss

B. NON-RESIDENTIAL

1. State Specific Use:

2. Use Group:

3. Change in Use Group, Indicate Former:

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.vii:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature Edward [Signature] Date 9/10/98

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:32-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name Michael Bairo / Bairo Contracting Inc.

Address 358 Kelly Ave Brock N.J 08724

Telephone () 840-4016

Signature [Signature]

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL	
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date
☐ Zoning Officer								
☐ Planning Board								
☐ Zoning Board								
☐ Sewer Authority								
☐ Water Authority								
☐ Police Department								
☐ Health Department								
☐ Soil Conservation								
☐ N.J. Department of Community Affairs								
☐ N.J. Department of Transportation								
☐ N.J. Department of Environmental Protection								
☐ Utility Dig No.								
☐								
☐								
☐								

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition	Name of Code & Edition	Other
Building _____	Energy _____	
Electrical _____	Barrier Free _____	
Plumbing _____	Flood Hazard _____	
Fire Protection _____	As Built Elevation Cert. _____	
Mechanical _____	Other _____	

X. CERTIFICATES ISSUED (office use only)

	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____

RECEIVED
JAN 10 2000
J. G. H. V.
COMMENTS

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
CONSTRUCTION
PERMIT

Date Issued 10/22/98
Control #
Permit # 98-3682

IDENTIFICATION Block 89.01 Lot 40 Qual

Work Site Location 27 BROWER DR
ADDITON & DECK

Owner in Fee LIASHEK, EDWARD
Address SAME
RDTRY NJ 08724-

Telephone

Contractor BAINÉ CONTRACTING INC
Address 358 KELLY AVE
BRICK, NJ 08724-

Telephone ()
Lic. No. on Bdldrs. Reg. No.
Federal Emp. No. 22-2771195

It is hereby granted permission to perform the following work:

- | | | |
|--|---|--|
| ☒ BUILDING | ☒ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☒ ELECTRICAL | ☒ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT | ☐ OTHER |
- (Subchapter 8 only)

DESCRIPTION OF WORK:
ADDITON WITH FIREPLACE AND AN ATTACHED DECK

NOTE: If construction does not commence within one (1) year of date of issuance, on 16 construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$ 28,391

Construction Official *[Signature]* 10/22/98
Date

U.C.C. 4710 (rev. 3/96)

PAYMENTS (Office Use Only)

Building	145
Electrical	40
Plumbing	25
Fire Protection	81
Elevator Devices	0
Other	
DCA Training Fee	7
Cert. of Occupancy	35
Other	
Total	333
Check No.	3001
Cash	
Collected By	CS

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
BUILDING
SUBCODE
TECHNICAL SECTION

Date Received 10/06/98
Date Issued 10/14/98
Control # C7-40
Permit # 98-3682

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 89.01 Lot 40 Qual

Work Site Location 27 BROWER DR

ADDITION & DECK

Owner in Fee LIASHEK, EDWARD

Address SAME

BRICK, NJ 08723-

Tele

Contractor BAINE CONTRACTING INC

Address 358 KELLY AVE

BRICK, NJ 08724-

Tele () Fax ()

Lic. No. or Bldrs. Reg. No.

Federal Emp. No. 22-2771195

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner
of record and am authorized to make this application.

Signature

D. TECHNICAL SITE DATA
DESCRIPTION OF WORK

ADDITION WITH FIREPLACE AND AN ATTACHED DECK

(2 Permits)

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)	Failure	Failure Approval	Initial	TYPE OF WORK	FEE (Office Use Only)
☐ No Plans Req.									
☒ All	10-9-98	PA	Footings	11-6-98	11-6-98	11-6-98	11-6-98	New Building	80
☐ Footing			Foundation	11-13-98	11-13-98	11-13-98	11-13-98	Foundation	65
☐ Foundation			Slab					Slab	
☐ Frame			Barrierfree	12-1-98	12-1-98	12-1-98	12-1-98	Barrierfree	0
☐ Other			Insulation	12-3-98	12-3-98	12-3-98	12-3-98	Insulation	0
Joint Plan Review Required:			Finishes					Finishes	
☐ Elect			Energy					Energy	
☐ Plumb			Mechanical					Mechanical	
☐ Elev			TCO					TCO	
SUBCODE APPROVAL			Other					Other	
☐ CO			Final					Final	
☐ CCO			Barrierfree					Barrierfree	
☐ CA									
Date:									
Approved By:									

B. BUILDING CHARACTERISTICS

Use Group	Present	Proposed	R-3	Est. Cost of Bldg. Work:
Constr. Class	Present	Proposed		1. New Bldg. \$ 24,211
No. of Stories	0	0		2. Alteration \$ 2,200
Height of Structure	0 ft.	0 ft.		3. Total (1+2) \$ 26,411
Area largest floor	0 Sq. Ft.	0 Sq. Ft.		
New Bldg. Area/All Floors	200 Sq. Ft.	200 Sq. Ft.		
Volume of New Structure	3,200 Cu. Ft.	3,200 Cu. Ft.		
Total Land Area Disturbed	0 Sq. Ft.	0 Sq. Ft.		

Industrialized Building: ☐ State Approved ☐ HUD

Paid ☐ Check # ☐ Administrative Surcharge \$ ☐ Minimum Fee \$ ☐ TOTAL FEE \$ 145

Collected by: ☐ DCA Training Fee \$ 7

U.C.C. Form 1110 (rev. 3/96)

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
BUILDING
SUBCODE
TECHNICAL SECTION

Date Received 05/01/98
Date Issued 05/01/98
Control #
Permit # 98-1212

A. IDENTIFICATION-APPLICANT-COMPLETAE ALL APPLICABLE INFORMATION. WHEN CHANG-
ING CONTRACTORS. NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 89.01 Lot 40

Work Site Location 21 BROWER DR

VINYL SIDING

Owner in Fee LASHKE, EDWARD

Address SAME

BRICK, NJ

Tele

Contractor

Address

Tele

Lic. No. or Blats. Reg. No.

Federal Emp. No. HO-

or Social Security No.

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Type	Dates (Month/Day)	Failure	Approval	Initial
☐ No Plans Req.				Footing				
☐ All				Foundation				
☐ Footing				Slab				
☐ Foundation				Frame				
☐ Frame				Insulation				
☐ Other				Finishes				
Joint Plan Review Required:				Energy				
☐ Elect ☐ Plumb ☐ Fire				Mechanical				
SUBCODE APPROVAL ☐ Elev				TCO				
☐ CO ☐ CCO ☐ CA				Other				
Date:				Final				
Approved By:								

B. BUILDING CHARACTERISTICS

Use Group	Present	R-3	Proposed	R-3	Est. Cost of Bldg. Work:
Constr. Class	Present		Proposed		1. New Bldg. \$ 0
No. of Stories		0			2. Alteration \$ 2,000
Height of Structure		0 Ft.			3. Total (1+2) \$ 2,000
Area largest floor		0 Sq. Ft.			
New Bldg. Area/All Floors		0 Sq. Ft.			Industrialized Building:
Volume of New Structure		0 Cu. Ft.			☐ State Approved
Total Land Area Disturbed		0 Sq. Ft.			☐ HUD

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner
of record and am authorized to make this application.

Signature

D. TECHNICAL SITE DATA
DESCRIPTION OF WORK

VINYL SIDING

TYPE OF WORK	PER (Office Use Only)
☐ New Building	\$ 0
☐ Addition	0
☒ Alteration	60
☐ Roofing	
☒ Siding	0
☐ Fence	0
☐ Sign	0
☐ Pool	0
☐ Asbestos Abatement	0
☐ Other	0
Other	0
☐ Demolition	0

Administrative Surcharge	Minimum Fee	TOTAL FEE
Paid ☒ Check # 2752		\$ 0
Collected by: AJP		\$ 60
DCA Training Fee		\$ 2

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
BUILDING
SUBCODE
TECHNICAL SECTION

Date Received 10/06/98
Date Issued 10/14/98
Control # C7-40
Permit # 48-3682

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 89.01 Lot 40 Qual
Work Site Location 27 BROOKER DR

ADDITION & DECK

Owner in Fee LIASHEK, EDWARD
Address SAME

BRICK, NJ 08723-

Tele. [REDACTED]

Contractor BRINE CONTRACTING, INC.

Address 358 KELLY AVE

BRICK, NJ 08724-

Tele. () Fax ()

Lic. No. or Bldgs. Reg. No.

Federal Emp. No. 22-2771195

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)
☐ No Plans Req.			Type	Failure
☒ All	10-9-98	EP	Footings	Initial
☐ Footing			Foundation	
☐ Foundation			Slab	
☐ Frame			Barrierfree	
☐ Other			Insulation	
Joint Plan Review Required:			Finishes	
☐ Elect ☐ Plumb ☐ Fire			Energy	
SUBCODE APPROVAL ☐ Elev			Mechanical	
☐ CO ☐ CCO ☐ CA			TCO	
Date:			Other	
Approved By:			Final	
			Barrierfree	

8. BUILDING CHARACTERISTICS

Use Group	Present	Proposed	R-3	Est. Cost of Bldg. Work:
Constr. Class	Present	Proposed		1. New Bldg. \$ 24,211
No. of Stories	0	0		2. Alteration \$ 2,200
Height of Structure	0 ft.	0 ft.		3. Total (1+2) \$ 26,411
Area Largest Floor	0 Sq. Ft.	0 Sq. Ft.		
New Bldg. Area/All Floors	200 Sq. Ft.	200 Sq. Ft.		
Volume of New Structure	3,200 Cu. Ft.	3,200 Cu. Ft.		
Total Land Area Disturbed	0 Sq. Ft.	0 Sq. Ft.		

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

D. TECHNICAL SITE DATA
DESCRIPTION OF WORK

ADDITION WITH FIREPLACE AND AN ATTACHED DECK

TYPE OF WORK

☐ New Building	
☒ Addition	
☒ Alteration	
☐ Roofing	
☐ Siding	
☐ Fence	
☐ Sign	
☐ Pool	
☐ Asbestos Abatement Subchapter 8	
☐ Lead Haz. Abatement NJAC 5:17	
☐ Other	
☐ Demolition	

FEE (Office Use Only)

☐ New Building	\$ 0
☒ Addition	\$ 80
☒ Alteration	\$ 65
☐ Roofing	\$ 0
☐ Siding	\$ 0
☐ Fence	\$ 0
☐ Sign	\$ 0
☐ Pool	\$ 0
☐ Asbestos Abatement Subchapter 8	\$ 0
☐ Lead Haz. Abatement NJAC 5:17	\$ 0
☐ Other	\$ 0
☐ Demolition	\$ 0

Administrative Surcharge

Paid ☐ Check #	\$ 0
Collected by:	\$ 0
DCR Training Fee	\$ 145
TOTAL FEE	\$ 145

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

BCC NEW JERSEY
PLUMBING
SUBCODE
TECHNICAL SECTION

Date Received 10/06/98
Date Issued 10/28/98
Control # C7-40
Permit # 98-3682

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 89.01 Lot 40 Qual
Work site location 27 BROWER DR

ADDITION & DECK

Owner in fee LASHKE, EDWARD

Address SAME

BRICK, NJ 08723-

Tele. () Fax ()

Contractor NICK TERZI PLMG

Address 1414 WALLACH DR

TOMS RIVER, NJ 08753-

Tele. (732) 244-7667

Lic. No. or Bids. Reg. No. 6827

Federal Emp. No. 22-2201445

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed R-3
Building Sewer Size [] Public Sewer [] Private Septic
Water Sewer Size [] Public Water [] Private Well
Estimated Cost of Plumbing Work \$ 600

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required
Joint Plan Review Required:

[] Bldg [] Elect
[] Fire [] Elevator

[] Plumb. Plans Approved

Date: 10-16-98

Approved By: [Signature]

SUBCODE APPROVAL

[] CO [] CCO

Approved By: [Signature]

Date: 1-8-00

INSPECTIONS

Type Failure Failure Approval Initial

Slab

Rough

Water

Sewer

Fixtures

Gas Equip.

Gas Piping

Solar

TCO

NO.

FIXTURE/EQUIPMENT

FEE (Office Use Only)

Water Closet

Urinal / Bidet

Bath Tub

Lavatory

Shower

Floor Drain

Sink

Dishwasher

Drinking Fountain

Washing Machine

Hose Bib

Water Heater

Fuel Oil Piping

Gas Piping

Steam Boiler

Hot Water Boiler

Sewer Pump

Interceptor / Separator

Backflow Preventer

Greasetrap

Sewer Connection

Water Service Connection

Stacks

Other

Other

Other

Administrative Surcharge \$

Minimum Fee \$

TOTAL FEE \$ 25

DCI Training Fee \$

Paid [] Check #

Collected by:

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature/Contractor Seal

[] Licensed Plumbing Contractor [] Exempt Applicant

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
PLUMBING
SUBCODE
TECHNICAL SECTION

Date Received 10/06/98
Date Issued 10/28/98
Control # C7-40
Permit # 98-368A

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS. NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

D. TECHNICAL SITE DATA (list all fixtures.)

Block 89.01 Lot 40 Qual
Work Site Location 27 BROWER DR

ADDITION & DECK

Owner in Fee LIASHEK, EDWARD
Address SAME

BRICK, NJ 08723-

Tele. () Fax ()

Contractor NICK TERZI, PLMB

Address 1414 HALLACH DR

TOWNS RIVER, NJ 08753-

Tele. (732) 244-7667

Lic. No. or Bldrs. Reg. No. 6827

Federal Emp. No. 22-2201445

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed R-3
Building Sewer Size [] Public Sewer [] Private Septic
Water Sewer Size [] Public Water [] Private Well
Estimated Cost of Plumbing Work \$ 600

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required
Joint Plan Review Required:
[] Bidg [] Elect
[] Fire [] Elevator
[] Plumb. Plans Approved

INSPECTIONS
Type Failure Failure Approval Initial

Slab
Rough
Water
Sewer
Fixtures
Gas Equip.
Gas Piping
Solar
TCO

Dates (Month/Day)

Approved By: DM

Subcode Approval
[] CO [] CCO [] CA

Approved By: _____

Date: _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Signature/Contractor Seal

[] Licensed Plumbing Contractor [] Exempt Applicant

NO. FEE (Office Use Only)

Water Closet

Urinal / Bidet

Bath Tub

Lavatory

Shower

Floor Drain

Sink

Dishwasher

Drinking Fountain

Washing Machine

Hose Bib

Water Heater

Fuel Oil Piping

Gas Piping

Steam Boiler

Hot Water Boiler

Sewer Pump

Interceptor / Separator

Backflow Preventer

Greasetrap

Sewer Connection

Water Service Connection

Stacks

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Other

Paid [] check #
Collected by: _____
Administrative Surcharge \$
Minimum Fee \$
TOTAL FEE \$ 25
OCA Training Fee \$

905 2070 299 30

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

299
DP 12d

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 10/06/98
Date Issued 10/12/98
Control # C7-40
Permit # 48-3682

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING
CONTRACTORS. NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

D. TECHNICAL SITE DATA

FEE (Office Use Only)

Block 89.01 Lot 40 Qual

Work Site Location 27 BROWER DR

Owner in Fee LIASHEK, EDWARD

Address SAME

BRICK, NJ 08723-

Tel. () Fax ()

Contractor BACHMAN ELECTRIC

Address 335 E. VIRGINIA AVE

MANASSQUAN, NJ 08736-

Tele. (732) 528-3339

Lic. No. or Bldrs. Reg. No. 8591

Federal Emp. No.

B. ELECTRICAL CHARACTERISTICS

Use Group - Present Proposed R-3

[] Pole/Pad # [] Temporary [X] Other ADDITION

Building Occupied as Utility Co.

Estimated Cost of Electrical Work \$ 1,305

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☒ No Plans Required

Joint Plan Review Required:

[] Bldg [] Plumb

[] Fire [] Elevator

[] Elect Plans Approved

Date: 10/14/98

Approved By: [Signature]

SUBCODE APPROVAL

[] CO [] CC0 [] CA

Date: 2/29/99

Approved By: [Signature]

INSPECTIONS

Type Failure Failure Approval Initial

Rough 12/16/98 JMW

Temp Serv

Const Serv

TCO

Other

Service

Final

Temp. Cut-in-Card Date Issued 2/29/99 JMW

Final Cut-in-Card Date Issued

NO. SIZE

ITEM

8 Lighting fixtures

20 Receptacles

8 Switches

6 Detectors

0 Light Poles

0 Motors-Fract HP

0 Emergency & Exit lights

0 Communications Points

0 Alarm Devices/F.A.C. Panel

42 TOTAL NUMBERS

0 Pool Permit/with UM lights

0 Storable Pool/Spa/Hot Tub

0 KM Elect Range/Receptacle

0 KM Oven/Surface Unit

0 KM Elect Water Heater

0 KM Elect Dryer/Receptacle

0 KM Dishwasher

0 HP Garbage Disposal

0 KM Central A/C Unit

0 HP/KW Space Heater/Air Handler

0 Baseboard Heat

0 HP Motors 1/4 HP

0 KM Transformer/Generator

0 AMP Service

0 AMP Subpanels

0 AMP Motor Control Center

0 KM Elect Sign/Outline Light

0 Other

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant's Signature/Contractor's Seal and Signature

[] Licensed Electrical Contractor [] Exempt Applicant

Paid [] Check #

Collected by:

Administrative Surcharge \$

Minimum Fee \$

TOTAL FEE \$

DCA Training Fee \$

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
ELECTRICAL
SUBCODE
TECHNICAL SECTION

Date Received 10/06/98
Date Issued 10/12/98
Control # CT-40
Permit # 48-368A

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING
CONTRACTORS. NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

D. TECHNICAL SITE DATA

FEE (Office Use Only)

Block 89.01 lot 40 Qual

NO. SIZE

ITEM

ADDITION & DECK

Owner in Fee LIASHEK, EDWARD

Address SAME

BRICK, NJ 08723-

Tele. (332) 528-3339

Fax ()

Contractor BACHMAN ELECTRIC

Address 335 E. VIRGINIA AVE

MANASSA, NJ 08736-

Tele. (332) 528-3339

Lic. No. or Bids. Reg. No. 8591

Federal Emp. No.

B. ELECTRICAL CHARACTERISTICS

Use Group - Present

[] Pole/Pad # [] Temporary [X] Other ADDITION

Building Occupied as Utility Co.

Estimated Cost of Electrical Work \$ 1,305

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[X] No Plans Required

INSPECTIONS

Joint Plan Review Required:

[] Bldg [] Plumb

[] Fire [] Elevator

[] Elect Plans Approved

Date: 10/14/98

Approved By: [Signature]

SUBCODE APPROVAL

[] CO [] CCO [] CA

Date:

Approved By:

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized

to make this application and perform the work listed on this application.

Lighting Fixtures

Receptacles

Switches

Detectors

Light Poles

Motors-fract HP

Emergency & Exit Lights

Communications Points

Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

Pool Permit/with UM Lights

Storable Pool/Spa/Hot Tub

KW Elect Range/Receptacle

KW Oven/Surface Unit

KW Elect Water Heater

KW Elect Dryer/Receptacle

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air Handler

Baseboard Heat

HP Motors 1/4 HP

KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elect Sign/Outline Light

Other

Other

Other

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Paid [] Check #

Collected by:

Administrative Surcharge \$

Minimum Fee \$

TOTAL FEE \$

DCA Training Fee \$

U.C.C. #120 (rev. 3/96)

U.C.C. #120 (rev. 3/96)

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 10/06/98
Date Issued 10/18/98
Control # CF-40
Permit # 48-3682

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 89.01 Lot 40 Qual 1
Work Site Location 27 BRODER DR

ADDITION & DECK

Owner in Fee LASHNER, EDWARD

Address SAME

BRICK, NJ 08723-

Tele. () Fax ()

Contractor BAINE CONTRACTING, INC.

Address 358 KELLY AVE

BRICK, NJ 08724-

Tele. ()

Lic. No. or Bids. Reg. No.

Federal Emp. No. 22-2711195

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present Proposed R-3

Constr Class Present Proposed

Heating Systems [] New [X] Existing [] HVAC

Type: [X] Gas [] Oil [] Elect [] Solar

[] Other

Location:

Total Est Cost of Fire Prot Work \$ 75

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required

Joint Plan Review Required:

[] Bldg [] Elect

[] Plumb [] Elevator

[] Fire Plans Approved

Date: 10-18-98

Approved by: [Signature]

SUBCODE APPROVAL

[] CO [] CCO [] CA

Date:

Approved by:

INSPECTIONS	Type	Dates (Month/Day)	Failure	Approval	Initial
Alarm Sys	Suppr Test				
Standpipe	Fire Pump				
PreEng Sys	Mechanical				
Smoke Ctl	TCO				
Final	Other				

D. TECHNICAL SITE DATA

Description of Work:

Water Supply Source

Method of Alarm/Suppr Sys Superv

Storage Tanks

Type: [] Flammable liquid [] Combust Liquid

[] LPG [] LNG Capacity 0 Fuel

Alarm Systems [] 110V Interconnected NUMBER

[] System

Alarm Devices (smoke, heat, pull, water/flow)

Supervisory Devices (tamper, low/high air)

Signalling Devices (horn/strobes, bells)

Other Devices

TOTAL

Suppression Systems

Fire Pump 0 GPM Type

Dry Pipe/Alarm Valves

Pre-action Valves

Sprinkler Heads (Dry and Wet)

Standpipes

Pre-Engineered Systems

Wet Chemical

Dry Chemical

CO2 Suppression

Foam Suppression

Halon Suppression

Other

Kitchen Hood Exhaust System

Smoke Control System

Gas [X] or Oil [] Fired Appliances

Other

Other

FEE (Office Use Only)

SPS in B.R.
FEE TABLE

Paid [] Check #
Collected by: DCA Training Fee
Administrative Surcharge \$
Minimum Fee \$
TOTAL FEE \$ 81

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Signature

TOWNSHIP OF BRICK

ZONING PERMIT

Date of Issue: October 7, 1998 1998 - 1667

Block 89.01 Lot 40 Zone R-5

Property Address: 27 Brower Drive

Owner: Ed Liashek (Phone): [REDACTED]

Applicant: Michael Baine (Phone): Same

Existing Use: Single-family dwelling.

Proposed Use: Single-family dwelling.

Proposed Construction (if any): One-story, single-family dwelling, 10' by 20'

addition; 16' high.

Attached deck 8' by 20' by 2' high.

Conditions: The addition and deck must be setback at least 15 feet from the
rear property line and 6 feet from the side property lines.

This permit shall be null, void and of no effect if any of the
facts contained in the application upon the basis of which this
permit was granted are false or untrue in any material respect.
This permit shall expire one (1) year after the date of issuance
if the use or substantial construction has not been commenced.


Michael P. Fowler, AICP/PP
Municipal Planner


Sean Kinnevy
Zoning Officer

TOWNSHIP OF BRICK
Zoning Permit Application
(Please Type or Print Neatly)

BLOCK 89.01

LOT 40

PROPERTY ADDRESS 27 Beaver Dr.

NAME OF OWNER ED Litashak

OWNER'S PHONE [REDACTED]

X NAME OF APPLICANT Michael Bane

APPLICANT'S COMPLETE ADDRESS 358 Kell Avenue, Brick, NJ 08723

APPLICANT'S PHONE NUMBER [REDACTED] APPLICANT'S BUSINESS NAME Ban

PRESENT USE OF PROPERTY (check one)

- ☐ Vacant Lot ☒ Single Family Dwelling ☐ Condo or Apartment
☐ Commercial (please describe) _____
☐ Other (please describe) _____

PROPOSED USE OF PROPERTY (check one)

- ☐ Vacant Lot ☒ Single Family Dwelling ☐ Condo or Apartment
☐ Commercial (please describe) _____
☐ Other (please describe) _____

PROPOSED CONSTRUCTION

All Dimensions
Deck or Garage
Fence

1st Floor
10x20 Deck addition
10' W 20' L 16' H
☒ Attached ☐ Detached 8' W 20' L 2' H
Type _____

CHECKLIST:

- ☐ All information completed above
☐ Two (2) accurate Survey / Plot Plans containing:
☐ all existing and proposed structures
☐ all dimensions of lot and structures
☐ setbacks to all property lines
☐ all streets and waterways shown
☐ If approved by Planning Board or Board of Adjustments, include copy of resolution

The applicant certifies that all statements and information made and provided as part of this application are true to the best of the applicant's knowledge, information and belief. The applicant further states that the applicant will comply with all other Municipal approvals and ordinances, and all County, State, and Federal Regulations.

X Signature of Applicant [Signature]

Date 9/23

Reviewed by Zoning Officer Date 10/7/98

☒ Approved ☐ Rejected

MORRIS & GLASGOW, INC.

ENGINEERING AND SURVEYING

1119 ARNOLD AVENUE

POINT PLEASANT, N.J. 08742

ELBERT MORRIS
ROBERT H. MORRIS
CHARLES W. GLASGOW

TELEPHONE 908-899-0965
FAX 908-899-1610

June 1, 1998

Ed Liashek
27 Brower Drive
Brick, NJ, 08724

RE: Lot 40 Block 89.01
27 Brower Drive
Brick Township

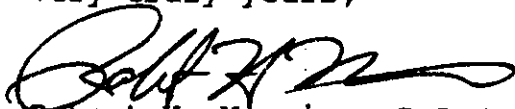
Dear Mr Liashek:

A twenty foot deep soil boring was performed on the above referenced property on May 1, 1998 by Jonas Endersen, Lic. well driller. The results of the boring are as follows:

- 0'-1' Well-graded silty sands
- 1'-2'-6" Inorganic clays of low to medium plasticity
- 2'-6"-4' Well graded silty sands with organic silts and organic silty clays of low plasticity
- 4'-5' Inorganic clays of low to medium plasticity
- 5'-11' Well-graded silty sands, inorganic silts and very fine sands
- 15'-20' Well-graded silty sands

I hope this is satisfactory to you and if you have any questions please contact this office at your convenience.

Very truly yours,


Robert H. Morris, P.L.S.
NJ Lic. No. 30090

BRICK TOWNSHIP

Plan Review	Class	Date	By
Zoning			
Plumbing			
Building			
Fire			
Energy			
Electrical			

TOWNSHIP OF BRICK
OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723



Joseph C. Scarpelli, Mayor

Township Council:

Victor Cantillo – President
Martin J. Anton
Helen Fayad
Gregory S. Kavanagh
Mary Lou Powner
Kathy M. Russell
Frederick J. Underwood, Sr.

Department of Engineering

Office of the Municipal Engineer

(732) 262-1038

Fax: (732) 262-8954

<http://www.gbshost.com/brick>

DATE

9/10/98

Municipal Engineer
401 Chambers Bridge Road
Brick, New Jersey 08723

RE: Block

89.01

Lot

40

Dear Sir:

I, Edward Liastek of 27 Brower Dr
(Name) (Address)

request to be exempted from the plot plan requirement as outlined in the Brick Land Use Book, Chapter 190.31, part B. The property (please circle one) is / is not located in a flood zone.

Respectfully yours,

Edward Liastek 920 9629
Applicant's Signature Phone #

1. Submit survey showing location of addition with proposed dimensions, grading. If driveway is being added, show type, width and length.
2. Proof that the property is not located in a Flood Hazard Area.

NOTE: Any excavations to be removed from the Township requires a mining permit.

OFFICE USE

Approved

X

Date

10/9/98

BY

[Signature]

Rejected

Date

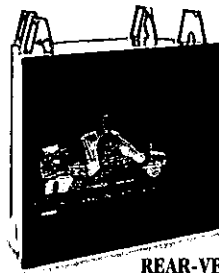
BY

REMARKS:

FLOOD ZONE A5-6

DV-5000*/6000/8000

* Available in A.F.U.E. Models



REAR-VENT
(Shown DVR-5000)

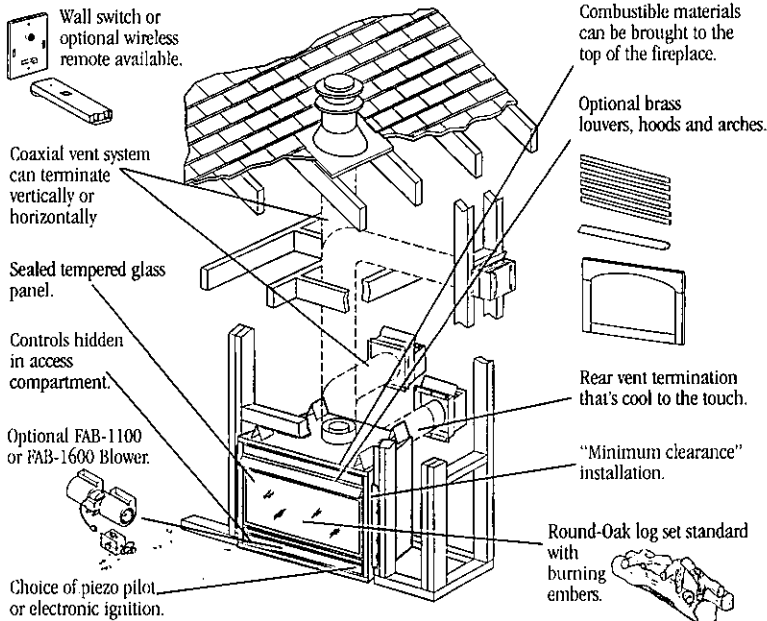


TOP-VENT

Optional Factory Installed Accessories

- Brass Louvers, Hoods and Arches*
- Black Arch w/ Brass Trim
- Square Brass Trim Kit
- Interior "Brick" Liners
- Log Rack
- Decorative Lava Rock
- Split-Oak Logs (Except DV-8000)
- Gas Flex Line with Valve
- High Altitude Orifice
- Electronic Ignition
- FAB-1100 Single Speed Blower
- FAB-1600 Blower with Speed Control
- Ceramic Glass Panel
- Screen Panel
- On/Off Rocker Switch
- Remote Control Kit
- Wall Switch

* Some brass components not available for use on A.F.U.E. Models



Btu Chart

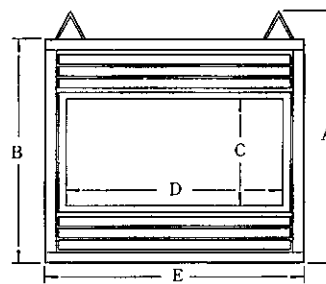
	Natural	Propane
DV Rear - 5000	21,000 Btu	21,000 Btu
DV Top - 5000	23,000 Btu	21,000 Btu
DV Rear - 6000	28,000 Btu	27,000 Btu
DV Top - 6000	31,000 Btu	31,000 Btu
DV Top - 8000	38,000 Btu	35,000 Btu

Framing Dimension

	Width	Height	Depth
DV Rear - 5000	37"	37-1/4"	15-1/2"
DV Rear - 5000 A.F.U.E.	37"	34-3/4"	15-1/2"
DV Top - 5000	37"	37-1/4"	15-1/2"
DV Rear - 6000	41"	40"	22-3/4"
DV Top - 6000	41"	42-1/4"	19-1/2"
DV Top - 8000	45"	42-1/2"	22-1/2"

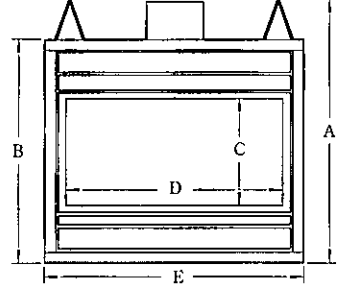
Distributed by:

REAR-VENT

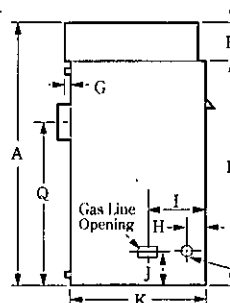


Louvered Rear-Vent

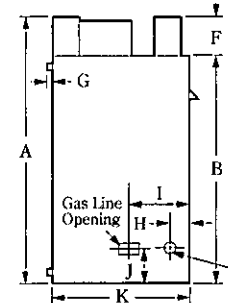
TOP-VENT



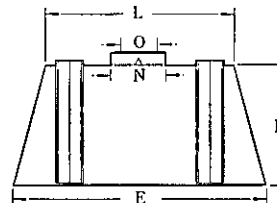
Clean Face Top-Vent



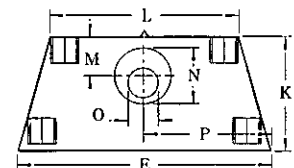
Left View Rear-Vent
(Right view identical)



Left View Top-Vent
(Right view identical)



Top View Rear-Vent



Top View Top-Vent

DV Product Dimensions

	Rear-5000 Standard	Rear-5000 A.F.U.E.	Top-5000 Standard & A.F.U.E.	Rear-6000 Standard	Top-6000 Standard	Top-8000 Standard
A	37"	34-1/2"	37"	39-3/4"	42"	42-1/4"
B	31-1/2"	31-1/2"	31-1/2"	36-3/4"	36-1/2"	36-3/4"
C	15"	15"	15"	20"	20"	20"
D	30"	30"	30"	34"	34"	38"
E	36"	36"	36"	40"	40"	44"
F	5-1/2"	3"	5-1/2"	3"	5-1/2"	5-1/2"
G	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
H	3-3/4"	3-3/4"	3-3/4"	3-3/4"	3-3/4"	3-3/4"
I	7-1/2"	7-1/2"	7-1/2"	11"	8-1/2"	11"
J	3"	3"	3"	3"	3"	3"
K	15-1/2"	15-1/2"	15-1/2"	22-5/8"	19-1/2"	22-1/2"
L	27"	27"	27"	27"	28-1/2"	31"
M	—	—	6"	—	6"	7"
N	8"	8"	8"	8"	8"	8"
O	5"	5"	5"	5"	5"	5"
P	—	—	18"	—	22"	22"
Q	20-1/2"	20-1/2"	—	25-1/2"	—	—

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z21.50 (ANSI Z21.44-A.F.U.E.) standards. Approved by A.G.A. and CGA (L2970008-DV 5000, L2970009-DV 5000 A.F.U.E., L2970004-DV 6000, L2970013-DV 8000).

Consult your distributor for local fireplace code information.



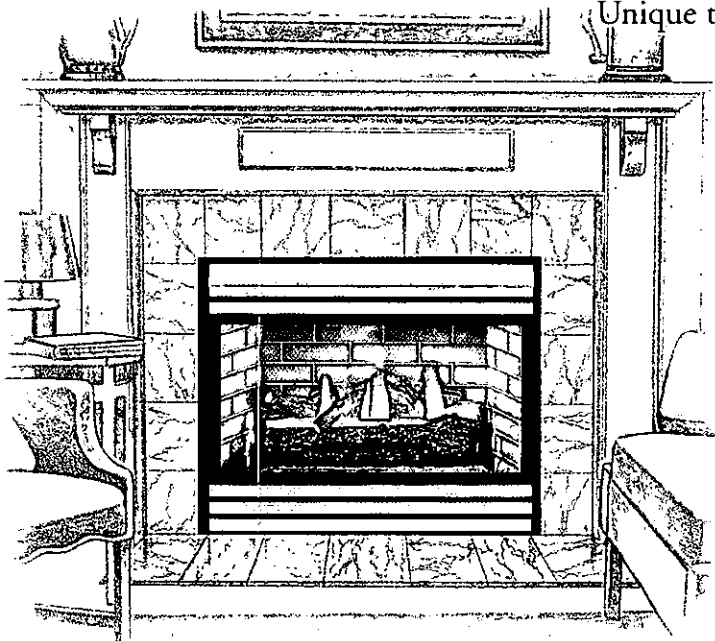
SUPERIOR
The Fireplace Company

4325 Artesia Ave., Fullerton, CA 92833, (714) 521-7302.



DIRECT-VENT

Energy saving direct-vent performance - uses no room air
Unsurpassed array of optional accessories available for customization
Unique top or rear vent with clean face or louvered grill design

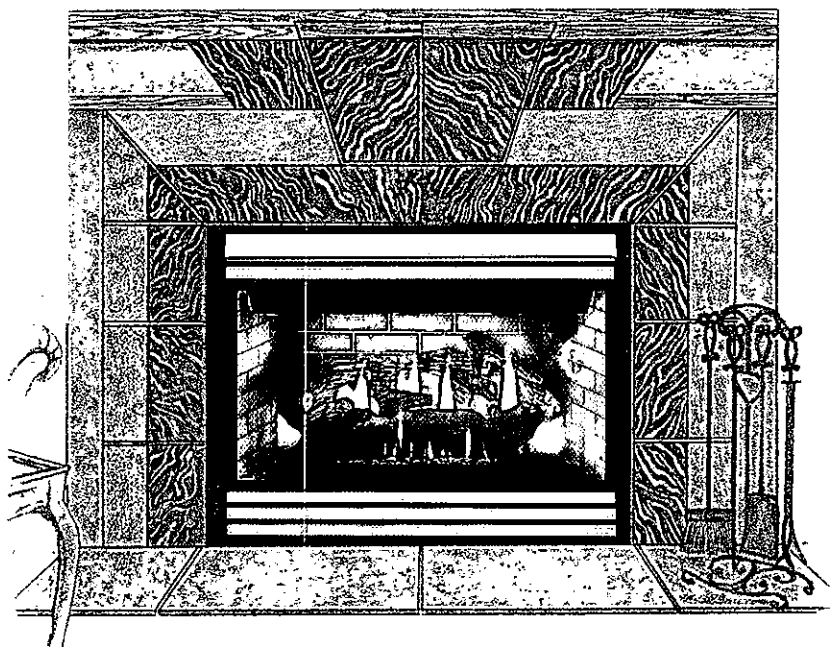
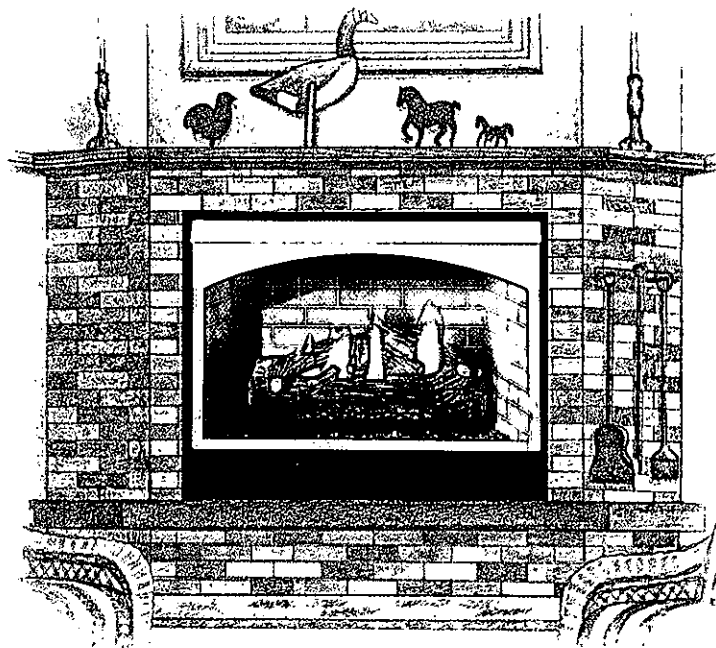


DV-5000

- 23,000 Btu/hr
- Beautiful 15" X 30" glass viewing area
- Round oak gas log set or split oak option
- Turn on or off with a wall switch

DV-6000

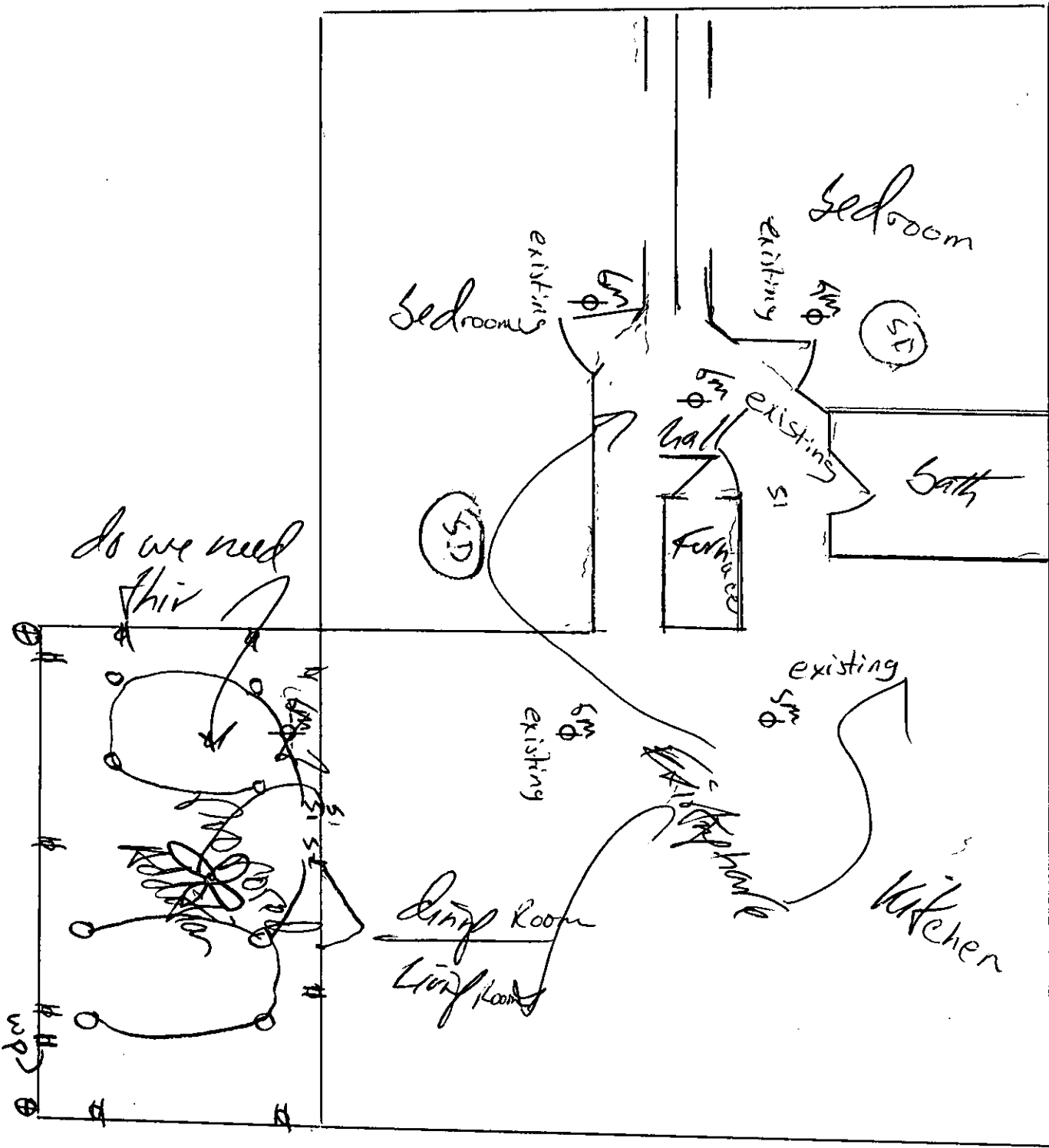
- 31,000 Btu/hr
- Expansive 20" X 34" glass viewing area
- Install anywhere you want including bedrooms
- Realistic fire presentation - 68% efficient



DV-8000

- 38,000 Btu/hr with a realistic fire presentation
- Outstanding 20" X 38" glass viewing area
- Nine-piece round oak gas log set
- Tan brick interior panels optional

 **SUPERIOR.**
The Fireplace Company

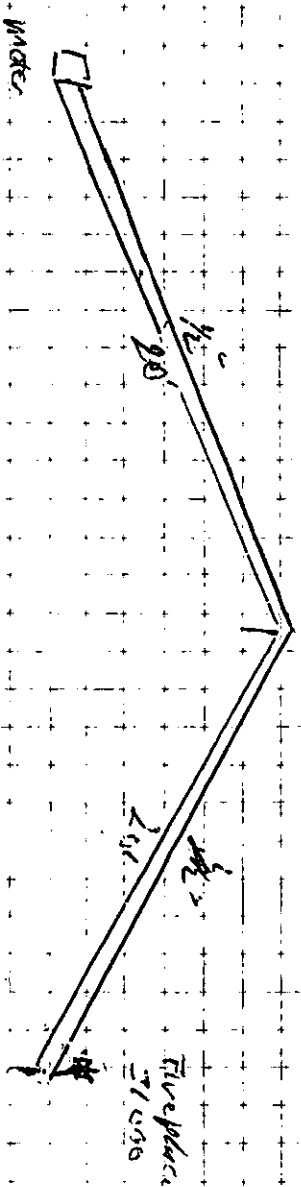


Electrical	_____
Energy	_____
Fire	_____
Building	_____
Plumbing	_____
Zoning	_____
Plan Review	_____
Class	_____
Date	_____
BY	_____

BRICK TOWNSHIP

20' 10"

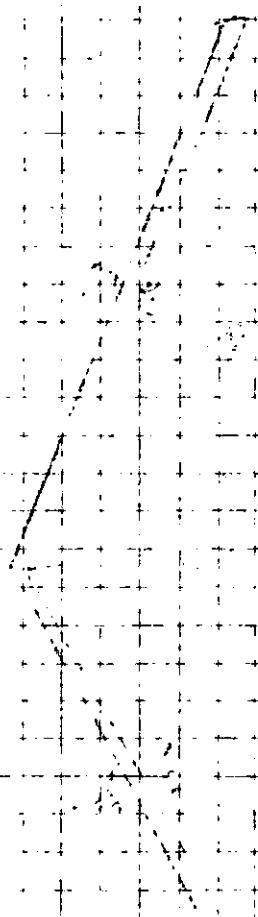
Ed Liashack
27 Brewer Drive
Buck, NY 08023



Tap off of existing
meter to fireplace.

Michael Ashby

10/1/74
10/1/74
10/1/74



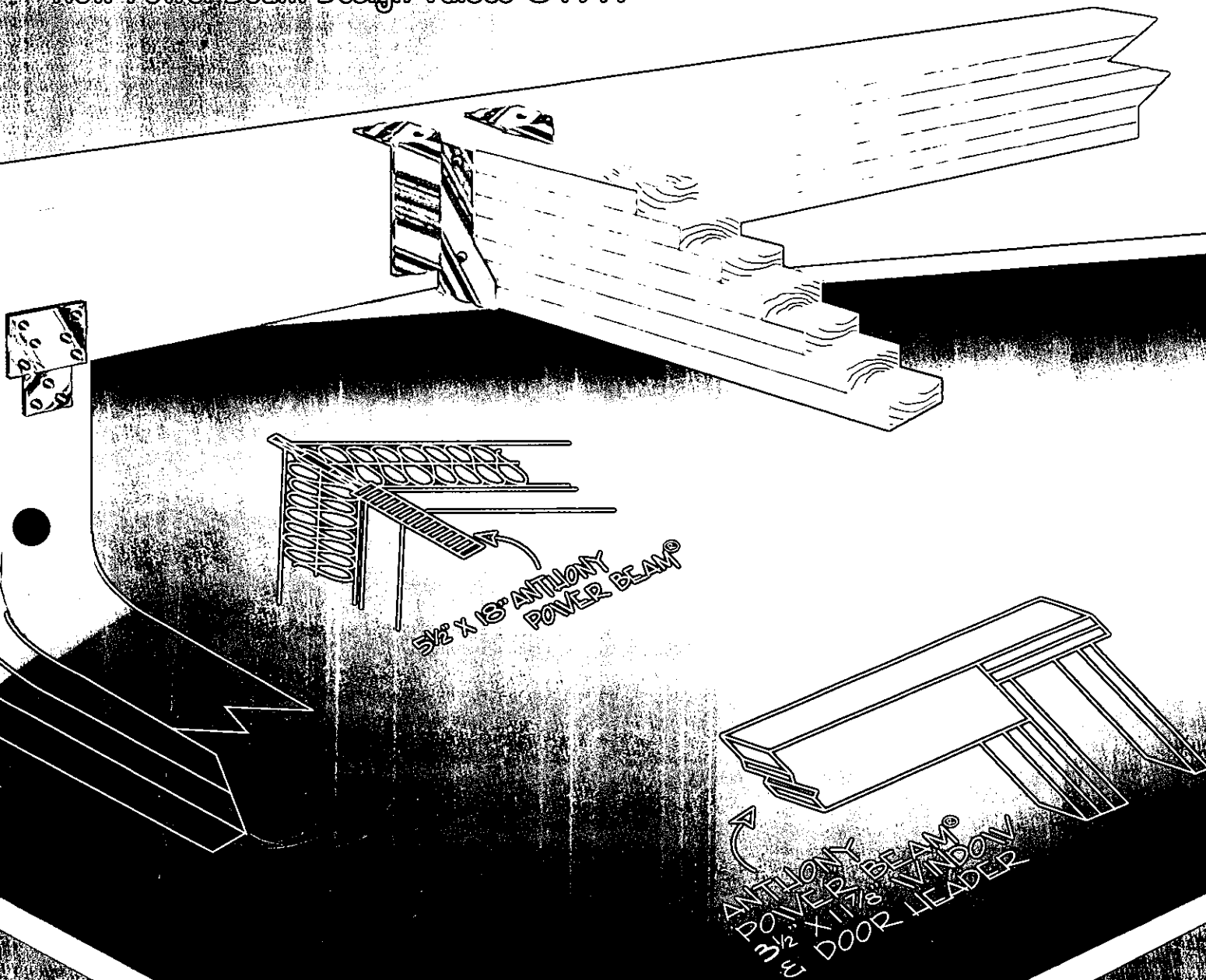
BRICK TOWNSHIP

Plan Review	Class	Date	By
Zoning			
Plumbing			
Building			
Fire			
Energy			
Electrical			

Anthony POWER BEAM® LSL

Laminated Structural Lumber 3000F_b - 2.1E - 290F_v

New Power Beam Design Values ©1997



Distributed by:

Georgia-Pacific



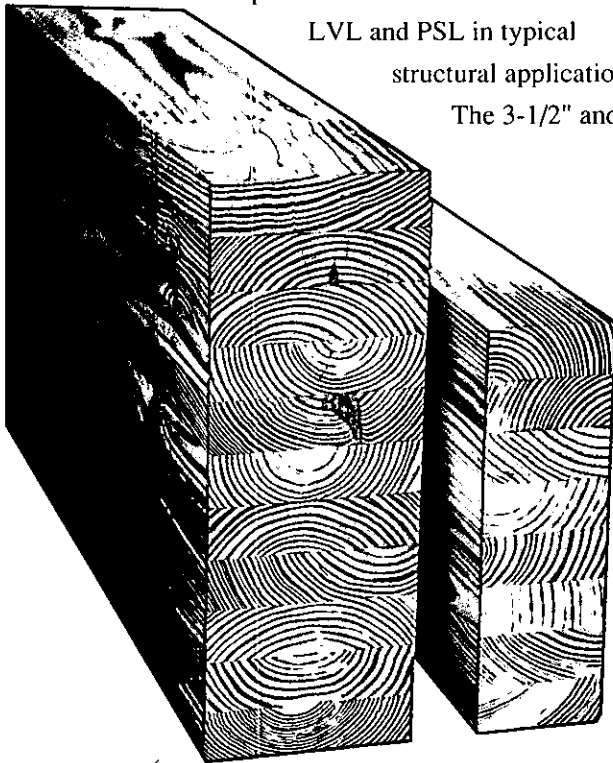
ANTHONY®
ANTHONY FOREST PRODUCTS CO.

Anthony POWER BEAM® LSL Advantages

- ♦ **Competitively priced**
- ♦ **I - Joist compatible depths**
- ♦ **No nail laminating necessary**
- ♦ **Individually wrapped**
- ♦ **3-1/2", 5-1/2" & 7" standard widths**

The Anthony POWER BEAM® LSL (Laminated Structural Lumber) is a superior glued laminated beam and header for use where reliable engineered wood applications are required. It is a direct substitute for LVL and PSL in typical structural applications.

The 3-1/2" and



- ♦ **Superior strength 3000F_b - 2.1E - 290F_v**
- ♦ **Saves time and labor**
- ♦ **Lighter than steel, LVL, and PSL**
- ♦ **Renewable resource**
- ♦ **Precut lengths up to 60'**

5-1/2" widths readily match 2x4 and 2x6 wall framing. The POWER BEAM® depths also match all joist, truss, LVL, PSL, and I-joist floor or roof framing. The Anthony POWER BEAM® uses only readily-available Southern Pine lumber, recognized through extensive testing as the strongest lumber resource available.

To enhance Anthony POWER BEAM® quality further, all outer laminations have strict quality control procedures. Each beam has a specific lumber lay-up combination which optimizes POWER BEAM® performance. The highest strength lumber is placed in the tension and compression zones, efficiently and optimally using lumber resources. All lumber is machine evaluated at the grading line by a Stress-O-Matic or Metriguard CLT for MOE to average 2.3×10^6 psi in the outer laminations.

The Anthony POWER BEAM® can be used for window, door and garage door headers, floor edge and center girder beams, roof ridge beams and commercial beams and purlins. The POWER BEAM® only uses small diameter fast-growth timber, therefore reducing pressure on our forest resources.

Features

Moisture Control: POWER BEAM® consistently averages 12% moisture, which is near equilibrium moisture content.

Code Evaluations/Standards: BOCA 96-6; SBCCI 9625; NER 466; ANSI/AITC A 190.1-1992; AITC 117-93.

AFP WoodWorks Software: An easy-to-use structural analysis program capable of sizing AFP Power Products as well as other structural wood materials used for columns and bending members. Performs quick comparisons between AFP's glulam, parallel strand lumber (PSL), laminated veneer lumber (LVL), laminated strand lumber (LSL), solid sawn timber, posts, and single or multiple piece lumber members. Windows™ interface.

Dimensional Stability: POWER BEAM® is a laminated composite product of high-strength lumber. This randomizes any natural defect so there is greater beam strength and a higher degree of reliability. There is also less likelihood of warping, twisting, checking, cupping or shrinking.

Quality Assurance: POWER BEAM® is manufactured in accordance with ANSI/AITC A190.1-1992 (Structural Glued Laminated Timber) with appropriate modifications. Plant implemented Total Quality Management, statistical process control procedures and AITC as our third party quality assurance program, ensure consistent quality and performance in every POWER BEAM®.

Performance Comparison Tables 3000 F_b - 2.1E - 290 F_v

POWER BEAM® Conversions

Clear Span	Allowable PLF Load (LL/TL)	Beam Application	Anthony Power Beam® ⁷	Joists #1 Southern Pine ¹	Joists #1 Douglas Fir Larch ²	Timbers #1 Douglas Fir ³
8'	600/900	Floor	3-1/2 x 7-1/4 (1 pc.)	4-1/2 x 11-1/4 (3 pcs.)	4-1/2 x 11-1/4 (3 pcs.)	6 x 12
16'	450/650	Floor	5-1/2 x 11-1/4 (1 pc.)	9 x 11-1/4 (6 pcs.)	10-1/2 x 11-1/4 (7 pcs.)	12 x 12
24'	170/250	Floor	3-1/2 x 14 (1 pc.)	9 x 11-1/4 (6 pcs.)	10-1/2 x 11-1/4 (7 pcs.)	8 x 14
6'	4425/4425	Roof (1.15)	5-1/2 x 9-1/4 (1 pc.)	10-1/2 x 11-1/4 (7 pcs.)	10-1/2 x 11-1/4 (7 pcs.)	12 x 14
16'	530/700	Roof (1.15)	3-1/2 x 11-7/8 (1 pc.)	9 x 11-1/4 (6 pcs.)	10-1/2 x 11-1/4 (7 pcs.)	10 x 12
18'	480/640	Roof (1.15)	5-1/2 x 11-1/4 (1 pc.)	10-1/2 x 11-1/4 (7 pcs.)	12 x 11-1/4 (8 pcs.)	12 x 12
Clear Span	Allowable PLF Load (LL/TL)	Beam Application	Anthony Power Beam® ⁷	LVL ⁴	Parallam® ⁵	Steel ⁶ 36 ksi
8'	600/900	Floor	3-1/2 x 7-1/4 (1 pc.)	3-1/2 x 7-1/4 (2 pcs.)	3-1/2 x 7-1/4 (1 pc.)	W6 x 9
16'	450/650	Floor	5-1/2 x 11-1/4 (1 pc.)	5-1/4 x 11-7/8 (3 pcs.)	5-1/4 x 11-7/8 (1 pc.)	W10 x 12
24'	170/250	Floor	3-1/2 x 14 (1 pc.)	3-1/2 x 16 (2 pcs.)	3-1/2 x 16 (1 pc.)	W10 x 15
6'	4425/4425	Roof (1.15)	5-1/2 x 9-1/4 (1 pc.)	5-1/4 x 9-1/2 (3 pcs.)	5-1/4 x 9-1/2 (1 pc.)	W8 x 15
16'	530/700	Roof (1.15)	3-1/2 x 11-7/8 (1 pc.)	3-1/2 x 14 (2 pcs.)	3-1/2 x 14 (1 pc.)	W10 x 15
18'	480/640	Roof (1.15)	5-1/2 x 11-1/4 (1 pc.)	5-1/4 x 11-7/8 (3 pcs.)	5-1/4 x 11-7/8 (1 pc.)	W12 x 14
Design values used for this table follow:						
¹ Southern Pine #1 Joist values from NDS Supplement Table 4B						
² Douglas Fir Larch #1 Joist values from NDS Supplement Table 4A						
³ Douglas Fir #1 Beam and Stringer values from NDS Supplement Table 4D						
⁴ LVL Design Values: F _b =2925 psi, F _v =285 psi, MOE=2,000,000 psi						
⁵ Parallam® Design Values: F _b =2900 psi, F _v =290 psi, MOE=2,000,000 psi. Parallam® is a registered trademark of Trus Joist MacMillian, a limited partnership, Boise, Idaho.						
⁶ Steel Design Values are based on 36 ksi steel using the Seventh Edition of the Steel Construction Manual						
⁷ BOCA 96-6; SBCCI 9625; AITC 117-93 Design; NER 466						

Power Beam Substitution for PSL or LVL

Design Span	9-1/4"	9-1/2"	11-1/4"	11-7/8"	14"	16"	18"
Convert from PSL or LVL 3-1/2" by							
Replace with 30F _b Power Beam 3-1/2" by							
4' to 30'	9-1/4"	9-1/2"	11-1/4"	11-7/8"	14"	16"	18"
Design Span	9-1/4"	9-1/2"	11-1/4"	11-7/8"	14"	16"	18"
Convert from PSL or LVL 5-1/2" by							
Replace with 30F _b Power Beam 5-1/2" by							
4' to 30'	9-1/4"	9-1/2"	11-1/4"	11-7/8"	14"	16"	18"

Notes:

- Comparisons are based on uniform loads and the most restrictive of simple span and two-span continuous using equal spans. Beams are assumed to be loaded on the top edge with continuous lateral support along top edge.
- Allowable design values used for comparisons are as follows:

	F _b (psi)	F _v (psi)	E (psi)
Power Beam*	3000	290	2.1 x 10 ⁶
PSL or LVL	2925	290	2.0 x 10 ⁶
- PSL and LVL refer to Parallel Strand Lumber and Laminated Veneer Lumber respectively.
- Substitution table should be used only for comparing structural capacity of 30F Power Beam with LVL or PSL. **This table should not be used for size selection.** See Allowable PLF or Size Selection Tables for appropriate design criteria and member size.

* Refer to page 17 for F_b and F_v adjustments.

Anthony POWER BEAM® LSL

Window, Door and Garage Door Headers

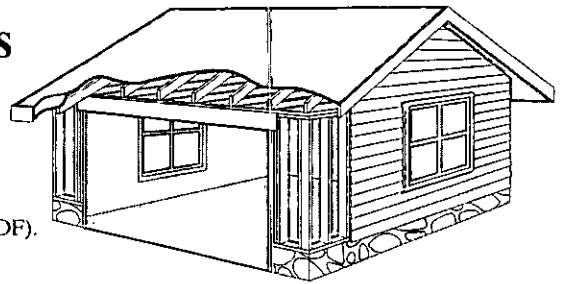
Key - Each cell contains two nominal header sizes:

Row 1: Header size for bearing length = 3.0"

Row 2: Header size for bearing length = 1-1/2"

Steps in Using This Table:

1. Find the row with the appropriate roof loading conditions (Live Load, Dead Load & LDF).
2. Find the clear opening that meets or exceeds the window, door, or garage door size.
3. Find the span of the trusses or rafters that frame into the header.
4. Select the proper header size.



POWER BEAM® Selection Table for Window, Door and Garage Door Headers - One Story Application

Roof Loading	Clear Opening	Span of Supported Roof Framing						
		16'	20'	24'	28'	32'	36'	40'
Live 25 PSF Dead 15 PSF LDF 1.15	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	9'3"	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	5-1/2 x 7-1/4
	10'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
	12'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/2	3-1/2 x 11-1/4
		3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4
Live 30 PSF Dead 15 PSF LDF 1.15	16'3"	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-7/8	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14
		3-1/2 x 11-1/4	3-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	7 x 11-1/4	7 x 11-1/4
	18'3"	3-1/2 x 11-7/8	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 16	5-1/2 x 14
		3-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	7 x 11-1/4	7 x 11-1/4	**
	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4
	9'3"	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
10'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	
	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	
Live 40 PSF Dead 15 PSF LDF 1.15	12'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4
		3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4
	16'3"	3-1/2 x 11-1/4	3-1/2 x 11-7/8	3-1/2 x 14	3-1/2 x 14	5-1/2 x 11-7/8	5-1/2 x 14	5-1/2 x 14
		5-1/2 x 11-1/4	5-1/2 x 11-1/4	7 x 11-1/4	7 x 11-1/4	**	**	**
	18'3"	3-1/2 x 14	3-1/2 x 14	3-1/2 x 16	5-1/2 x 14	5-1/2 x 14	5-1/2 x 14	5-1/2 x 16
		5-1/2 x 11-1/4	5-1/2 x 11-7/8	7 x 11-1/4	**	**	**	**

POWER BEAM® Selection Table for Window, Door and Garage Door Headers - One Story Application								
Roof Loading	Clear Opening	Span of Supported Roof Framing						
		16'	20'	24'	28'	32'	36'	40'
Live 20 PSF Dead 20 PSF LDF 1.25	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	9'3"	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	10'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
	12'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/2	3-1/2 x 11-1/4
		3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4
Live 20 PSF Dead 15 PSF LDF 1.25	16'3"	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-7/8	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14
		3-1/2 x 11-1/4	3-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	7 x 11-1/4	7 x 11-1/4
	18'3"	3-1/2 x 11-7/8	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 16	5-1/2 x 14
		3-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	7 x 11-1/4	7 x 11-1/4	**
	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	9'3"	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	10'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	5-1/2 x 7-1/4
Live 20 PSF Dead 15 PSF LDF 1.25	12'	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4
	16'3"	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-7/8	3-1/2 x 14	3-1/2 x 14
		3-1/2 x 11-1/4	3-1/2 x 11-1/4	5-1/2 x 9-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	7 x 11-1/4
	18'3"	3-1/2 x 11-1/4	3-1/2 x 11-7/8	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14
		3-1/2 x 11-1/4	3-1/2 x 11-7/8	5-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	7 x 11-1/4	7 x 11-1/4

Window, Door, and Garage Door Header Example Problem

Load Conditions:	Live = 30 psf Dead = 15 psf LDF = 1.15
Clear Opening:	12'
Span of Supported Roof Framing:	20'
Anthony POWER BEAM® Selected:	3-1/2 x 9-1/4 w/ 1 trimmer

Load Duration Factor (LDF)

LDF	Duration
1.00	10 years; normal loads
1.15	2 month; snow load
1.25	7 days; non-snow or construction

Notes: (Single Story Applications)

1. This table is for headers carrying roof loads only. For headers supporting floor, roof and exterior wall loads, see two-story applications.
2. Deflection is limited to L/240 for Live Load and L/180 for Total Load.
3. Design span is assumed to be the clear opening plus the bearing length of 1-1/2" (1 trimmer) or 3.0" (2 trimmers).
4. For bearing lengths longer than 3.0", use the Allowable Roof Load Tables to get required header size. Use of longer bearing lengths may allow the use of a smaller POWER BEAM®.
5. The header size is based on the load carried by 1/2 the span of the roof framing plus a 24" overhang.
6. It is assumed that the header has the truss or rafter framing attached to its top, and is supported laterally at the bearing points.
7. Live Load reductions may be taken per BOCA, UBC and SBC. Live Load reductions have not been taken to produce this table.
8. For loads other than those shown, see Roof PLF table, or use a load condition that applies a higher load than you have.
9. A 9-1/2" depth member may be substituted for a 9-1/4" member, and an 11-7/8" for an 11-1/4", etc.

** These locations require a longer bearing or wider width beam. Consult PLF tables or AFP's Woodworks Sizer Software for proper beam size.

Anthony POWER BEAM® LSL

Two-Story Applications

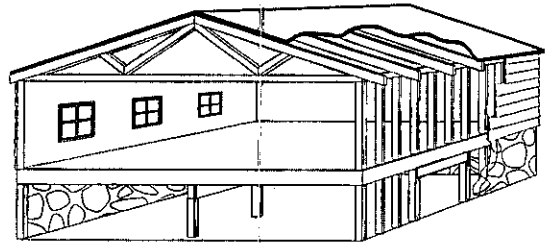
Key - Each cell contains two nominal header sizes:

Row 1: Header size for bearing length = 3.0"

Row 2: Header size for bearing length = 1-1/2"

Steps in Using This Table:

1. Find the row with the appropriate roof loading conditions (Live Load, Dead Load & LDF).
2. Find the clear opening that meets or exceeds the window, door, or garage door size.
3. Find the span of the trusses or rafters that frame into the header.
4. Select the proper header size.



POWER BEAM® Selection Table for Window, Door and Garage Door Headers - Two Story Applications

Roof Loading	Clear Opening	Span of Supported Roof Framing						
		16'	20'	24'	28'	32'	36'	40'
Roof	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
Live	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
25 PSF		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
Dead	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
15 PSF		3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
		3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/2	3-1/2 x 11-1/4
Floor	9'3"	3-1/2 x 9-1/4	3-1/2 x 9-1/4	5-1/2 x 7-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	7 x 9-1/4	7 x 9-1/4
		3-1/2 x 9-1/4	3-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	7 x 9-1/4	7 x 9-1/4
Live	10'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4
		3-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	7 x 9-1/4	7 x 9-1/4	7 x 9-1/4
40 PSF		3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-7/8	3-1/2 x 11-7/8	5-1/2 x 11-1/4	5-1/2 x 11-1/4
		5-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/2	7 x 9-1/4	7 x 9-1/2	**	**
Dead	12'	3-1/2 x 14	3-1/2 x 14	5-1/2 x 14	5-1/2 x 14	5-1/2 x 14	5-1/2 x 14	5-1/2 x 16
		5-1/2 x 11-1/4	7 x 11-1/4	**	**	**	**	**
LDF	1.15	3-1/2 x 16	3-1/2 x 16	5-1/2 x 14	5-1/2 x 16	5-1/2 x 16	7 x 16	7 x 16
		7 x 11-7/8	7 x 14	**	**	**	**	**
Roof	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
Live	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
30 PSF		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
Dead	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	7 x 7-1/4
15 PSF		3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/2	3-1/2 x 11-1/4	3-1/2 x 11-1/4
		3-1/2 x 9-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	7 x 9-1/4	7 x 9-1/4
Floor	9'3"	3-1/2 x 9-1/4	3-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4	3-1/2 x 11-1/4	5-1/2 x 9-1/2
		3-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	7 x 9-1/4	7 x 9-1/4	**
Live	10'	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-7/8	5-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-1/4
		5-1/2 x 9-1/4	5-1/2 x 9-1/4	7 x 9-1/4	7 x 9-1/4	**	**	**
40 PSF		3-1/2 x 14	3-1/2 x 16	5-1/2 x 14	5-1/2 x 14	5-1/2 x 14	5-1/2 x 16	7 x 14
		7 x 11-1/4	7 x 11-1/4	**	**	**	**	**
Dead	12'	3-1/2 x 16	5-1/2 x 14	5-1/2 x 16	5-1/2 x 16	5-1/2 x 16	7 x 16	7 x 16
		7 x 11-7/8	**	**	**	**	**	**
LDF	1.15	3-1/2 x 16	5-1/2 x 14	5-1/2 x 16	5-1/2 x 16	5-1/2 x 16	7 x 16	7 x 16
		7 x 11-7/8	**	**	**	**	**	**
Roof	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
Live	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 9-1/4
		3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4
40 PSF		3-1/2 x 7-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 11-1/4
		3-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	5-1/2 x 7-1/4	7 x 7-1/4	7 x 7-1/4	7 x 7-1/4
Dead	8'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	5-1/2 x 9-1/4
		5-1/2 x 7-1/4	5-1/2 x 9-1/4	5-1/2 x 9-1/4	7 x 9-1/4	7 x 9-1/4	7 x 9-1/4	**
15 PSF		3-1/2 x 9-1/2	3-1/2 x 11-1/4	3-1/2 x 11-1/4	5-1/2 x 11-1/4	5-1/2 x 11-7/8	5-1/2 x 11-7/8	5-1/2 x 11-7/8
		5-1/2 x 9-1/4	7 x 9-1/4	7 x 9-1/4	**	**	**	**
Floor	9'3"	3-1/2 x 16	5-1/2 x 14	5-1/2 x 14	5-1/2 x 16	5-1/2 x 16	7 x 16	7 x 16
		7 x 11-1/4	7 x 11-7/8	**	**	**	**	**
Live	10'	5-1/2 x 14	5-1/2 x 16	5-1/2 x 16	7 x 16	7 x 16	7 x 16	**
		7 x 14	7 x 14	**	**	**	**	**
40 PSF		5-1/2 x 14	5-1/2 x 16	5-1/2 x 16	7 x 16	7 x 16	7 x 16	**
		7 x 14	7 x 14	**	**	**	**	**
Dead	12'	5-1/2 x 14	5-1/2 x 16	5-1/2 x 16	7 x 16	7 x 16	7 x 16	**
		7 x 14	7 x 14	**	**	**	**	**
LDF	1.15	5-1/2 x 14	5-1/2 x 16	5-1/2 x 16	7 x 16	7 x 16	7 x 16	**
		7 x 14	7 x 14	**	**	**	**	**

POWER BEAM® Selection Table for Window, Door and Garage Door Headers - Two Story Applications

Roof Loading	Clear Opening	Span of Supported Roof Framing						
		16'	20'	24'	28'	32'	36'	40'
Roof Live	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	10'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
20 PSF Dead	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	10'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
20 PSF Dead	4'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	6'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	8'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
	10'	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4	3-1/2 x 7-1/4
Floor Live	4'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
	6'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
	8'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
	10'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
40 PSF Dead	4'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
	6'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
	8'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
	10'	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4	3-1/2 x 9-1/4
12 PSF Dead	4'	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4
	6'	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4
	8'	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4
	10'	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4	3-1/2 x 11-1/4
LDF 1.25	4'	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14
	6'	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14
	8'	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14
	10'	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14	3-1/2 x 14

Window, Door, and Garage Door Header 2-Story Application Example Problem

Roof Load Conditions: Live = 30 psf
Dead = 15 psf
LDF = 1.15

Clear Opening: 12'

Span of Supported Roof Framing: 20'

Anthony POWER BEAM® Selected: 3-1/2 x 11-1/4 w/ 2 trimmers

Load Duration Factor (LDF)

LDF	Duration
1.00	10 years; normal loads
1.15	2 month; snow load
1.25	7 days; non-snow or construction

Notes: (Two Story Application)

- This table is for headers carrying floor, roof and wall loads.
- Deflection is limited to L/360 for Live load and L/240 for Total load.
- Design span is assumed to be the clear opening plus the bearing length of 1-1/2" (1 trimmer) or 3.0" (2 trimmers).
- For bearing lengths longer than 3.0", use the Allowable Floor Load Tables to get required header size. Use of longer bearing lengths may allow the use of a smaller POWER BEAM®.
- The header size is based on the load carried by 1/2 the span of the roof framing plus a 24" overhang plus 1/4 the span of the floor load plus the wall load.
- The wall load is assumed to be 100 plf.
- It is assumed that the header has the joist framing attached to its top, and is supported laterally at the bearing points.
- For loads other than those shown, see the Floor Load PLF Table, or use a load condition that applies a higher load than you have.
- Live load reductions may be taken per BOCA, UBC and SBC. Live load reductions have not been taken to produce the table below.
- A 9-1/2 depth member may be substituted for a 9-1/4" member, and an 11-7/8 for an 11-1/4", etc.

** These locations require a longer bearing or wider width beam. Consult PLF tables or AFP WoodWorks-Sizer Software for proper beam size.

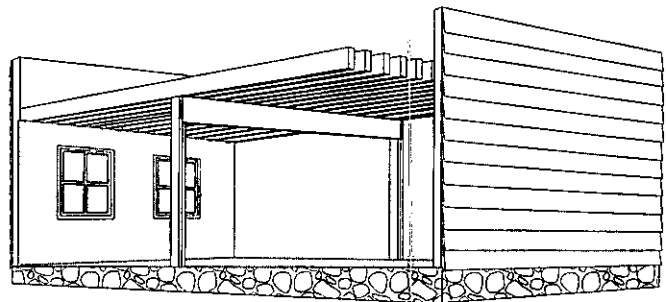
Floor Girder Beams

Key - Each cell contains two nominal header sizes:

Row 1: Header size for bearing length = 3.0"
Row 2: Header size for bearing length = 1-1/2"

Steps in Using This Table:

1. Find the row with the appropriate roof loading conditions (Live Load, Dead Load & LDF).
2. Find the clear opening that meets or exceeds the column spacing.
3. Find the span of the joists that frame into the girder beam.
4. Select the proper header size.



POWER BEAM® Selection Table for Girder Beams

Floor	Column	Span of Supported Joist Framing (the sum of joist spans from both sides of girder beam)						
Loading	Spacing	20'	24'	26'	28'	30'	32'	36'
Live 40 PSF Dead 12 PSF LDF 1.00	8'	3-1/2 x 7-1/4 3-1/2 x 7-1/4	3-1/2 x 7-1/4 5-1/2 x 7-1/4	3-1/2 x 7-1/4 5-1/2 x 7-1/4	3-1/2 x 7-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4
	9'	3-1/2 x 7-1/4 3-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 7 x 7-1/4
	10'	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 9-1/4	3-1/2 x 9-1/4 5-1/2 x 9-1/4	3-1/2 x 9-1/4 5-1/2 x 9-1/4	3-1/2 x 9-1/2 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4
	11'	3-1/2 x 9-1/4 5-1/2 x 9-1/4	3-1/2 x 9-1/4 5-1/2 x 9-1/4	3-1/2 x 9-1/2 5-1/2 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	5-1/2 x 9-1/4 **
	12'	3-1/2 x 9-1/2 5-1/2 x 9-1/4	3-1/2 x 11-1/4 5-1/2 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	5-1/2 x 9-1/2 **	5-1/2 x 11-1/4 **
	13'	3-1/2 x 11-1/4 5-1/2 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-7/8 7 x 9-1/4	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **
	14'	3-1/2 x 11-1/4 5-1/2 x 9-1/2	3-1/2 x 11-7/8 7 x 9-1/4	3-1/2 x 14 7 x 9-1/2	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-7/8 **
	15'	3-1/2 x 11-7/8 5-1/2 x 11-1/4	3-1/2 x 14 7 x 11-1/4	5-1/2 x 11-1/4 **	5-1/2 x 11-7/8 **	5-1/2 x 11-7/8 **	5-1/2 x 11-7/8 **	5-1/2 x 14 **
	16'	3-1/2 x 14 7 x 11-1/4	5-1/2 x 11-7/8 **	5-1/2 x 11-7/8 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **
	17'	3-1/2 x 14 7 x 11-1/4	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	7 x 14 **
	18'	3-1/2 x 16 7 x 11-1/4	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 16 **	7 x 14 **
Live 40 PSF Dead 20 PSF LDF 1.00	8'	3-1/2 x 7-1/4 3-1/2 x 7-1/4	3-1/2 x 7-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 7 x 7-1/4
	9'	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 7 x 7-1/4	3-1/2 x 9-1/4 7 x 7-1/4	3-1/2 x 11-1/4 7 x 7-1/4
	10'	3-1/2 x 9-1/4 5-1/2 x 7-1/4	3-1/2 x 9-1/4 5-1/2 x 9-1/4	3-1/2 x 9-1/4 5-1/2 x 9-1/4	3-1/2 x 9-1/2 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	5-1/2 x 9-1/4 **
	11'	3-1/2 x 9-1/4 5-1/2 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	5-1/2 x 9-1/4 **	5-1/2 x 9-1/2 **
	12'	3-1/2 x 11-1/4 5-1/2 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	3-1/2 x 11-1/4 7 x 9-1/4	5-1/2 x 9-1/2 **	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **
	13'	3-1/2 x 11-1/4 5-1/2 x 9-1/4	3-1/2 x 11-7/8 7 x 9-1/4	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **
	14'	3-1/2 x 11-7/8 7 x 9-1/4	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-1/4 **	5-1/2 x 11-7/8 **	5-1/2 x 11-7/8 **	5-1/2 x 14 **
	15'	3-1/2 x 14 7 x 11-1/4	5-1/2 x 11-1/4 **	5-1/2 x 11-7/8 **	5-1/2 x 11-7/8 **	5-1/2 x 14 **	5-1/2 x 14 **	7 x 11-7/8 **
	16'	3-1/2 x 14 7 x 11-1/4	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	7 x 14 **
	17'	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	7 x 14 **	7 x 14 **
	18'	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 14 **	5-1/2 x 16 **	7 x 14 **	7 x 14 **	7 x 16 **

Notes: (Floor Girder Beams)

1. This table is for beams carrying floor loads only. For beams supporting both roof and upper floor loads, see floor load tables.
2. Deflection is limited to $L/360$ for Live Load and $L/240$ for Total Load.
3. The column spacing equals the design span. The beam is sized to consider simple or continuous beam applications.
4. For bearing lengths longer than 3.0", use the Allowable Floor Load tables to get the required header size.
5. The beam size is based on the load carried by continuous span joists. The beam load is based upon the load from $5/8$ of the span of the supported floor joists. The intermediate bearing is assumed to be 6" or 3" corresponding to the 3" or 1-1/2" end bearing conditions, respectively.
6. For simple span floor joists, multiply the sum of the spans by 0.80 and use the calculated span as span of supported joist framing.
7. It is assumed that the beam has the truss or joist framing attached to its top or to the beam sides using hangers, and is supported laterally at the bearing points.
8. For load conditions other than those shown, see Floor Load Table, or use a load condition that applies a higher load than you have.
9. Live load reductions may be taken per BOCA, UBC and SBC. Live load reductions have not been taken to produce the table above.
10. A 9-1/2" header may be used for a 9-1/4" header, and an 11-7/8" for an 11-1/4", etc.

**** These locations require a longer bearing or wider width beam. Consult PLF tables or AFP's WoodWorks Sizer Software for proper beam size.**

Floor Girder Beam Example Problem I For Simple Span Joists

Load Conditions:	Live = 40 psf Dead = 12 psf LDF = 1.00
Column Spacing:	14'
Span of Supported Joist Framing:	30' (ie., 15' + 15') Use $0.8 \times 30 = 24'$ equivalent
Anthony POWER BEAM® Selected:	3-1/2 x 11-7/8 w/ 2 trimmers

Floor Girder Beam Example Problem II For Continuous Span I-Joists

Load Conditions:	Live = 40 psf Dead = 12 psf LDF = 1.00
Column Spacing:	14'
Span of Supported Joist Framing:	30' (ie., 15' + 15')
Anthony POWER BEAM® Selected:	5-1/2 x 11-1/4 w/ 2 trimmers

General Notes for All Size Selection Tables

1. Beam weight is included in all tables and does not have to be added to the applied load.
2. The top edge of the beam or header is assumed to have continuous lateral support.
3. Beams and headers are assumed to be used under dry conditions and normal temperatures.
4. All tables assume uniform load conditions. Any concentrated load applications must be analyzed separately or converted to an equivalent uniform load.
5. Dead and Live loads used to select a beam or header should be equal to or greater than the actual loads applied.
6. For other beam widths and depths, or for Architectural Grade Appearance Beams, please contact Anthony Forest Products Company or your local dealer.

Anthony POWER BEAM® 3000 F

Allowable Floor Load Tables LDF = 1.0

These tables can be used to size simple span beams and headers that carry uniform loads. The PLF loads must be calculated and take into account all floor and roof framing loads coming onto the beam or header.

Key - for each clear span there are three numbers:

Row 1: Maximum Total Load with LDF of 1.0, and deflection limited to L/240

Row 2: Maximum Live Load limited by deflection of L/360

Row 3: Required Bearing Length in trimmer thickness
(e.g., 1.5 = 1 trimmer, 3.0 = 2 trimmers, etc.)

Allowable Loads for Anthony POWER BEAM® in Pounds per Linear Foot

Actual Span	3.5"								5.5"							
	Depth (in.)								Depth (in.)							
	7-1/4	9-1/4	9-1/2	11-1/4	11-7/8	14	16	18	7-1/4	9-1/4	9-1/2	11-1/4	11-7/8	14	16	18
6'	1700 1601 3	2768 2768 4.5	2906 2906 4.5	3686 3686 6	3991 3991 6	5161 5161 7.5	6488 6488 9	8111 8111 12	2673 2516 3	4353 4353 4.5	4570 4570 4.5	5795 5795 6	6275 6275 6	8113 8113 7.5	10200 10200 9	12751 12751 12
7'	1248 1008 3	2033 2033 3	2144 2144 3	2965 2965 4.5	3195 3195 4.5	4053 4053 6	4989 4989 7.5	6081 6081 10.5	1963 1584 3	3197 3197 3	3372 3372 4.5	4663 4663 4.5	5024 5024 6	6373 6373 6	7845 7845 7.5	9561 9561 10.5
8'	955 675 1.5	1555 1403 3	1641 1520 3	2302 2302 4.5	2565 2565 4.5	3337 3337 6	4052 4052 7.5	4863 4863 9	1502 1061 1.5	2447 2204 3	2581 2388 3	3620 3620 4.5	4034 4034 4.5	5247 5247 6	6372 6372 7.5	7647 7647 9
9'	708 474 1.5	1228 985 3	1295 1067 3	1818 1772 4.5	2025 2025 4.5	2816 2816 6	3411 3411 7.5	4051 4051 9	1115 745 1.5	1932 1548 3	2038 1677 3	2859 2785 4.5	3186 3186 4.5	4430 4430 6	5365 5365 7.5	6371 6371 9
10'	515 346 1.5	994 718 3	1048 778 3	1471 1292 3	1640 1520 4.5	2280 2280 6	2945 2945 7.5	3471 3471 7.5	812 543 1.5	1564 1129 3	1650 1223 3	2315 2030 3	2580 2388 4.5	3587 3587 6	4632 4632 6	5460 5460 7.5
11'	386 260 1.5	805 540 3	866 585 3	1215 971 3	1354 1142 3	1883 1871 4.5	2461 2461 6	3036 3036 7.5	609 408 1.5	1267 848 3	1363 919 3	1912 1525 3	2131 1794 3	2963 2940 4.5	3871 3871 6	4776 4776 7.5
12'	297 200 1.5	619 416 1.5	671 450 3	1020 748 3	1137 879 3	1581 1441 4.5	2066 2066 6	2616 2616 7.5	468 314 1.5	975 653 1.5	1057 707 3	1606 1175 3	1790 1382 3	2489 2264 4.5	3252 3252 6	4116 4116 7.5
13'	233 157 1.5	486 327 1.5	527 354 1.5	868 588 3	968 692 3	1346 1133 4.5	1760 1692 6	2228 2228 6	368 247 1.5	766 514 1.5	830 556 1.5	1368 924 3	1524 1087 3	2120 1781 4.5	2770 2658 6	3506 3506 6
14'	186 126 1.5	388 262 1.5	421 284 1.5	701 471 3	825 554 3	1160 907 4.5	1516 1354 4.5	1920 1920 6	294 198 1.5	613 411 1.5	664 446 1.5	1105 740 3	1300 870 3	1827 1426 4.5	2387 2128 4.5	3011 3011 6
15'	150 102 1.5	315 213 1.5	341 231 1.5	569 383 3	670 450 3	1010 738 3	1320 1101 4.5	1671 1568 6	238 161 1.5	497 334 1.5	539 362 1.5	897 602 3	1056 707 3	1590 1159 3	2076 1731 4.5	2613 2464 6
16'	123 84 1.5	259 175 1.5	280 190 1.5	468 315 1.5	551 371 3	887 608 3	1159 907 4.5	1468 1292 6	196 133 1.5	409 276 1.5	443 298 1.5	738 496 1.5	869 583 3	1397 955 3	1818 1426 4.5	2288 2030 6
17'	102 70 1.5	215 146 1.5	233 158 1.5	389 263 1.5	458 309 3	754 507 3	1026 757 4.5	1299 1077 4.5	162 111 1.5	340 230 1.5	369 249 1.5	615 413 1.5	723 486 3	1188 796 3	1605 1189 4.5	2020 1693 4.5
18'	86 59 1.5	180 123 1.5	196 133 1.5	327 222 1.5	385 261 1.5	634 427 3	914 637 4.5	1158 907 4.5	136 93 1.5	286 194 1.5	310 210 1.5	517 348 1.5	609 409 1.5	1000 671 3	1426 1001 4.5	1796 1426 4.5
19'	72 50 1.5	153 105 1.5	166 113 1.5	277 188 1.5	327 222 1.5	538 363 3	805 542 3	1039 772 4.5	115 79 1.5	242 165 1.5	263 178 1.5	439 296 1.5	517 348 1.5	849 570 3	1270 852 4.5	1606 1212 4.5
20'	61 43 1.5	130 90 1.5	141 97 1.5	237 161 1.5	279 190 1.5	460 311 3	689 465 3	936 662 4.5	98 68 1.5	207 141 1.5	225 153 1.5	375 254 1.5	442 298 1.5	727 489 3	1088 730 4.5	1445 1040 4.5
21'	53 37 1.5	112 78 1.5	122 84 1.5	204 140 1.5	240 164 1.5	397 269 3	594 401 3	848 571 4.5	85 59 1.5	178 122 1.5	194 132 1.5	324 219 1.5	381 258 1.5	627 422 3	938 631 4.5	1307 898 4.5
22'	45 32 1.5	97 67 1.5	105 73 1.5	177 121 1.5	208 143 1.5	344 234 3	516 349 3	737 497 4.5	73 51 1.5	155 106 1.5	168 115 1.5	281 191 1.5	331 224 1.5	545 367 1.5	815 549 3	1163 781 4.5
23'	39 28 1.5	84 59 1.5	91 64 1.5	154 106 1.5	182 125 1.5	300 205 3	451 305 3	644 435 4.5	64 45 1.5	135 93 1.5	146 100 1.5	245 167 1.5	289 196 1.5	476 322 1.5	712 480 3	1017 683 3
24'	34 25 1.5	74 52 1.5	80 56 1.5	135 93 1.5	159 110 1.5	264 180 3	396 269 3	566 383 4.5	56 39 1.5	118 82 1.5	128 88 1.5	215 147 1.5	253 173 1.5	418 283 1.5	626 422 3	894 602 3
25'	30 22 1.5	65 46 1.5	70 50 1.5	119 83 1.5	140 97 1.5	232 159 3	349 238 3	500 339 4.5	49 35 1.5	104 72 1.5	113 78 1.5	190 130 1.5	224 153 1.5	369 250 1.5	553 374 3	790 532 3
26'	26 20 1.5	57 41 1.5	62 44 1.5	105 74 1.5	124 86 1.5	206 142 3	310 211 3	443 301 4.5	43 31 1.5	92 64 1.5	100 70 1.5	168 116 1.5	198 136 1.5	327 223 1.5	491 332 3	701 473 3
27'	23 18 1.5	50 36 1.5	55 40 1.5	93 66 1.5	110 77 1.5	183 127 3	276 189 3	395 269 4.5	38 28 1.5	82 57 1.5	89 62 1.5	149 103 1.5	176 121 1.5	292 199 1.5	438 297 3	625 422 3
28'	20 16 1.5	45 33 1.5	49 35 1.5	83 59 1.5	98 69 1.5	164 113 3	246 169 3	353 241 4.5	34 25 1.5	73 51 1.5	79 56 1.5	133 92 1.5	158 109 1.5	261 178 1.5	392 266 1.5	560 379 3
29'	18 14 1.5	40 29 1.5	43 32 1.5	74 53 1.5	88 62 1.5	147 102 3	221 152 3	317 217 4.5	30 22 1.5	65 46 1.5	71 50 1.5	120 83 1.5	141 98 1.5	234 160 1.5	352 239 1.5	503 341 3
30'	16 13 1.5	36 27 1.5	39 29 1.5	66 48 1.5	79 56 1.5	132 92 3	199 138 3	285 196 4.5	27 20 1.5	58 42 1.5	63 45 1.5	107 75 1.5	127 88 1.5	211 145 1.5	317 216 1.5	453 308 3
32'	12 11 1.5	28 22 1.5	31 24 1.5	54 39 1.5	64 46 1.5	107 76 3	163 113 3	234 161 4.5	21 17 1.5	47 34 1.5	51 37 1.5	88 62 1.5	104 73 1.5	172 119 1.5	260 178 1.5	372 254 1.5

Anthony POWER BEAM® 2800 F

Allowable Floor Load Tables LDF = 1.0

Key - for each clear span there are three numbers:

Row 1: Maximum Total Load with LDF of 1.25, and deflection limited to L/180

Row 2: Maximum Live Load limited by deflection of L/240

Row 3: Required Bearing Length in trimmer thickness (e.g., 1.5 = 1 trimmer, 3.0 = 2 trimmers, etc.)

These tables can be used to size simple span beams and headers that carry uniform loads. The PLF loads must be calculated and take into account all floor and roof framing loads coming onto the beam or header.

Allowable Loads for Anthony POWER BEAM® in Pounds per Linear Foot

Actual Span	7" Depth (in.)															
	7-1/4	9-1/4	9-1/2	11-1/4	11-7/8	14	16-	18	19-1/4	20-5/8	22	23-3/8	24-3/4	26-1/8	27-1/2	28-7/8
6'	3176	5172	5455	7376	7988	10328	12984	16231	18655	21776	25510	30057	35716	41276	45735	50424
	3176	5172	5455	7376	7988	10328	12984	16231	18655	21776	25510	30057	35716	41276	45735	50424
	3	4.5	4.5	6	6	7.5	9	12	13.5	15	18	22.5	27	33	37.5	42
7'	2333	3798	4007	5620	6262	8113	9986	12171	13732	15660	17854	20371	23289	26713	30787	35714
	2016	3798	4007	5620	6262	8113	9986	12171	13732	15660	17854	20371	23289	26713	30787	35714
	3	3	3	4.5	4.5	6	7.5	10.5	10.5	12	15	16.5	19.5	22.5	27	31.5
8'	1785	2907	3067	4301	4793	6663	8112	9735	10865	12226	13731	15405	17276	19383	21772	24506
	1351	2805	3039	4301	4793	6663	8112	9735	10865	12226	13731	15405	17276	19383	21772	24506
	1.5	3	3	4.5	4.5	6	7.5	9	10.5	10.5	12	13.5	16.5	18	21	24
9'	1410	2296	2422	3397	3786	5263	6830	8111	8987	10026	11155	12384	13730	15208	16840	18650
	949	1970	2134	3397	3786	5263	6830	8111	8987	10026	11155	12384	13730	15208	16840	18650
	1.5	3	3	4.5	4.5	6	7.5	9	9	10.5	12	12	13.5	15	18	19.5
10'	1034	1859	1961	2751	3065	4262	5568	6951	7663	8497	9392	10354	11391	12512	13729	15052
	692	1436	1556	2584	3039	4262	5568	6951	7663	8497	9392	10354	11391	12512	13729	15052
	1.5	3	3	3	4.5	4.5	6	7.5	9	9	10.5	12	13.5	13.5	15	16.5
11'	776	1536	1620	2273	2532	3521	4600	5802	6567	7250	7975	8747	9571	10451	11395	12408
	520	1079	1169	1941	2283	3521	4600	5802	6567	7250	7975	8747	9571	10451	11395	12408
	1.5	3	3	3	3	4.5	6	7.5	7.5	9	10.5	10.5	12	13.5	13.5	15
12'	597	1242	1346	1909	2127	2958	3856	4853	5532	6291	6896	7534	8210	8926	9686	10496
	400	831	900	1495	1759	2882	3856	4853	5532	6291	6896	7534	8210	8926	9686	10496
	1.5	1.5	3	3	3	4.5	6	6	7.5	9	9	10.5	10.5	12	13.5	13.5
13'	469	976	1058	1626	1812	2519	3272	4117	4694	5370	6058	6599	7168	7767	8398	9065
	315	654	708	1176	1383	2267	3272	4117	4694	5370	6058	6599	7168	7767	8398	9065
	1.5	1.5	1.5	3	3	4.5	4.5	6	7.5	7.5	9	9	10.5	10.5	12	13.5
14'	375	781	846	1401	1561	2165	2809	3536	4031	4612	5231	5857	6346	6858	7394	7958
	252	523	567	942	1108	1815	2709	3536	4031	4612	5231	5857	6346	6858	7394	7958
	1.5	1.5	1.5	3	3	3	4.5	6	6	7.5	7.5	9	10.5	10.5	12	12
15'	304	634	687	1143	1345	1878	2438	3068	3498	4003	4540	5110	5682	6127	6592	7077
	205	426	461	766	900	1476	2203	3068	3498	4003	4540	5110	5682	6127	6592	7077
	1.5	1.5	1.5	3	3	3	4.5	6	6	6	7.5	9	9	10.5	10.5	12
16'	250	522	565	941	1107	1645	2135	2687	3063	3505	3976	4476	5004	5528	5936	6361
	169	351	380	631	742	1216	1815	2584	3063	3505	3976	4476	5004	5528	5936	6361
	1.5	1.5	1.5	1.5	3	3	4.5	4.5	6	6	7.5	7.5	9	9	10.5	10.5
17'	208	434	471	784	922	1452	1884	2372	2704	3095	3510	3951	4418	4910	5391	5767
	141	292	317	526	619	1014	1513	2154	2635	3095	3510	3951	4418	4910	5391	5767
	1.5	1.5	1.5	1.5	3	3	4.5	4.5	6	6	6	7.5	9	9	10.5	10.5
18'	174	365	396	659	776	1274	1675	2109	2404	2751	3121	3513	3928	4366	4825	5268
	119	246	267	443	521	854	1275	1815	2220	2730	3121	3513	3928	4366	4825	5268
	1.5	1.5	1.5	1.5	1.5	3	3	4.5	4.5	6	6	7.5	7.5	9	9	10.5
19'	148	310	336	560	659	1082	1499	1887	2151	2462	2792	3143	3515	3906	4318	4749
	101	209	227	377	443	726	1084	1543	1887	2321	2683	3143	3515	3906	4318	4749
	1.5	1.5	1.5	1.5	1.5	3	3	4.5	4.5	6	6	6	7.5	7.5	9	10.5
20'	126	265	287	479	564	927	1348	1697	1936	2215	2513	2829	3163	3515	3885	4274
	86	180	194	323	380	622	929	1323	1618	1990	2300	2759	3163	3515	3885	4274
	1.5	1.5	1.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6	7.5	7.5	9	9
21'	109	228	248	413	487	800	1196	1535	1750	2003	2272	2558	2861	3179	3514	3866
	75	155	168	279	328	538	803	1143	1398	1719	1987	2384	2830	3179	3514	3866
	1.5	1.5	1.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6	6	7.5	7.5	9
22'	94	198	215	359	422	695	1040	1395	1590	1820	2065	2325	2599	2889	3194	3513
	65	135	146	243	285	468	698	994	1216	1495	1728	2073	2461	2889	3194	3513
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6	7.5	7.5	9
23'	82	173	187	313	369	607	909	1272	1451	1661	1884	2121	2372	2636	2914	3206
	57	118	128	212	250	409	611	870	1064	1309	1513	1814	2154	2533	2914	3206
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6	6	7.5	7.5
24'	72	151	164	275	324	534	799	1140	1329	1521	1726	1943	2173	2415	2670	2937
	50	104	113	187	220	360	538	766	936	1152	1331	1597	1896	2229	2600	2937
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6	6	7.5	7.5
25'	63	134	145	243	286	471	706	1008	1222	1398	1586	1786	1997	2220	2454	2700
	44	92	100	165	194	319	476	677	829	1019	1178	1413	1677	1972	2300	2663
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6	7.5	7.5
26'	56	118	128	215	254	418	627	895	1096	1289	1463	1647	1842	2048	2264	2490
	39	82	89	147	173	283	423	602	737	906	1047	1256	1491	1753	2045	2367
	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6	6	7.5
27'	49	105	114	192	226	373	559	798	977	1193	1353	1524	1704	1894	2094	2304
	35	73	79	131	154	253	378	538	658	809	935	1122	1331	1566	1826	2114
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	3	4.5	4.5	4.5	6	6	6	7.5
28'	44	94	102	171	202	334	500	715	875	1078	1247	1414	1581	1757	1943	2137
	32	65	71	118	138	227	339	482	590	725	838	1006	1194	1404	1637	1896
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6	6
29'	39	84	91	154	181	300	450	642	787	970	1121	1315	1470	1634	1807	1988
	28	59	64	106	125	204	305	434	531	653	755	905	1074	1264	1474	1706
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6	6
30'	35	75	82	138	163	270	405	579	710	875	1012	1215	1371	1524	1685	1854
	26	53	58	96	113	184	275	392	479	590	682	818	971	1141	1331	1541
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3	3	4.5	4.5	4.5	6	6
32'	28	61	67	113	133	221	333	476	583	719	832	999	1188	1334	1474	1622
	21	44	47	79	93	152	227	323	395	486	562	674	800	941	1097	1270
	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3	3	3	4.5	4.5	4.5	6	6

Allowable Roof Load Tables LDF = 1.25*

Key - for each clear span there are three numbers:

Row 1: Maximum Total Load with LDF of 1.25, and deflection limited to L/180

Row 2: Maximum Live Load limited by deflection of L/240

Row 3: Required Bearing Length in trimmer thickness (e.g., 1.5 = 1 trimmer, 3.0 = 2 trimmers, etc.)

These tables can be used to size simple span beams and headers that carry uniform loads. The PLF loads must be calculated and take into account all floor and roof framing loads coming onto the beam or header.

Allowable Loads for Anthony POWER BEAM® in Pounds per Linear Foot

Actual Span	3.5"								5.5"							
	Depth (in.)								Depth (in.)							
	7-1/4	9-1/4	9-1/2	11-1/4	11-7/8	14	16	18	7-1/4	9-1/4	9-1/2	11-1/4	11-7/8	14	16	18
6'	2126	3462	3634	4608	4990	6452	8112	10141	3343	5442	5713	7245	7845	10143	12752	15941
	2126	3462	3634	4608	4990	6452	8112	10141	3343	5442	5713	7245	7845	10143	12752	15941
	3	4.5	4.5	6	7.5	9	12	15	3	4.5	4.5	6	7.5	9	12	15
7'	1561	2542	2682	3708	3995	5068	6239	7604	2455	3997	4216	5830	6282	7968	9808	11954
	1512	2542	2682	3708	3995	5068	6239	7604	2376	3997	4216	5830	6282	7968	9808	11954
	3	4.5	4.5	6	6	7.5	10.5	12	3	4.5	4.5	6	6	7.5	10.5	12
8'	1194	1945	2052	2879	3208	4173	5067	6081	1879	3059	3227	4527	5044	6561	7967	9561
	1013	1945	2052	2879	3208	4173	5067	6081	1592	3059	3227	4527	5044	6561	7967	9561
	3	4.5	4.5	6	6	7.5	9	10.5	3	4.5	4.5	6	6	7.5	9	10.5
9'	943	1536	1620	2273	2533	3522	4266	5066	1484	2416	2549	3575	3984	5539	6708	7966
	712	1478	1601	2273	2533	3522	4266	5066	1118	2322	2516	3575	3984	5539	6708	7966
	3	3	3	4.5	4.5	6	9	10.5	3	3	3	4.5	4.5	6	9	10.5
10'	688	1243	1312	1840	2051	2852	3683	4341	1083	1956	2064	2895	3226	4485	5792	6827
	519	1077	1167	1840	2051	2852	3683	4341	815	1693	1834	2895	3226	4485	5792	6827
	1.5	3	3	4.5	4.5	6	9	9	1.5	3	3	4.5	4.5	6	9	9
11'	516	1027	1083	1520	1694	2356	3078	3798	813	1616	1705	2392	2665	3705	4841	5973
	390	809	877	1456	1694	2356	3078	3798	612	1272	1378	2288	2665	3705	4841	5973
	1.5	3	3	4.5	4.5	6	7.5	9	1.5	3	3	4.5	4.5	6	7.5	9
12'	397	827	896	1276	1422	1978	2585	3273	625	1302	1410	2009	2239	3113	4066	5148
	300	623	675	1122	1319	1978	2585	3273	472	980	1061	1762	2073	3113	4066	5148
	1.5	3	3	4.5	4.5	6	7.5	9	1.5	3	3	4.5	4.5	6	7.5	9
13'	311	649	704	1087	1211	1685	2201	2787	491	1023	1108	1711	1907	2651	3464	4385
	236	490	531	882	1037	1685	2201	2787	371	771	835	1386	1630	2651	3464	4385
	1.5	3	3	4.5	4.5	6	7.5	7.5	1.5	3	3	4.5	4.5	6	7.5	7.5
14'	249	519	563	936	1044	1452	1897	2402	393	818	887	1474	1643	2285	2986	3766
	189	393	425	706	831	1361	1897	2402	297	617	668	1110	1305	2139	2986	3766
	1.5	1.5	3	3	3	4.5	6	7.5	1.5	1.5	3	3	3	4.5	6	7.5
15'	201	421	457	760	895	1264	1652	2091	319	664	720	1198	1409	1990	2597	3269
	154	319	346	574	675	1107	1652	2091	242	502	543	902	1061	1739	2596	3269
	1.5	1.5	1.5	3	3	4.5	6	7.5	1.5	1.5	1.5	3	3	4.5	6	7.5
16'	165	346	375	626	736	1110	1451	1837	262	547	592	986	1160	1748	2274	2862
	127	263	285	473	556	912	1361	1837	199	413	448	744	874	1433	2139	2862
	1.5	1.5	1.5	3	3	4.5	6	6	1.5	1.5	1.5	3	3	4.5	6	6
17'	137	288	312	521	613	982	1284	1626	218	455	493	821	966	1547	2008	2527
	106	219	238	394	464	760	1135	1616	166	345	373	620	729	1195	1783	2527
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
18'	115	242	262	438	515	847	1145	1450	183	383	415	691	813	1335	1785	2247
	89	185	200	332	391	640	956	1361	140	290	314	522	614	1006	1502	2139
	1.5	1.5	1.5	3	3	4.5	6	6	1.5	1.5	1.5	3	3	4.5	4.5	6
19'	97	205	222	371	437	719	1027	1300	155	325	352	587	691	1134	1597	2010
	76	157	170	283	332	545	813	1157	119	247	267	444	522	856	1277	1819
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
20'	83	175	190	318	374	616	922	1173	132	278	301	502	591	972	1437	1808
	65	135	146	242	285	467	697	992	102	212	229	381	448	734	1095	1559
	1.5	1.5	1.5	3	3	4.5	6	6	1.5	1.5	1.5	3	3	4.5	4.5	6
21'	71	151	164	274	323	531	795	1062	114	239	260	433	510	838	1254	1636
	56	116	126	209	246	403	602	857	88	183	198	329	387	634	946	1347
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
22'	62	131	142	237	280	461	691	964	99	208	225	376	443	728	1089	1486
	49	101	110	182	214	351	524	745	77	159	172	286	336	551	823	1171
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
23'	53	114	123	207	244	403	603	861	86	181	196	328	387	637	952	1356
	43	89	96	159	187	307	458	652	67	139	151	250	294	482	720	1025
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
24'	47	100	108	182	214	354	530	757	75	159	172	288	340	559	837	1195
	38	78	84	140	165	270	403	574	59	122	133	220	259	425	634	902
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
25'	41	88	95	160	189	312	468	669	66	140	152	255	300	494	740	1056
	33	69	75	124	146	239	357	508	52	108	117	195	229	376	561	798
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
26'	36	77	84	142	167	277	415	594	58	124	135	226	266	439	657	938
	30	61	66	110	130	212	317	452	46	96	104	173	204	334	498	710
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
27'	32	69	75	126	149	246	370	529	52	110	120	201	237	391	586	836
	26	55	59	98	116	190	283	403	41	86	93	155	182	298	445	634
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
28'	28	61	66	112	133	220	331	474	46	98	107	180	212	350	525	749
	24	49	53	88	104	170	254	362	37	77	84	139	163	267	399	568
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
29'	25	55	59	101	119	198	297	425	41	88	96	161	190	314	471	673
	21	44	48	79	93	153	229	325	33	69	75	125	147	241	359	511
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
30'	22	49	53	90	107	178	268	383	37	79	86	145	171	283	425	607
	19	40	43	72	84	138	206	294	30	63	68	113	133	217	324	462
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6
32'	18	39	43	74	87	145	219	314	30	64	70	119	140	232	349	499
	16	33	36	59	70	114	170	242	25	52	56	93	109	179	267	381
	1.5	1.5	1.5	3	3	4.5	4.5	6	1.5	1.5	1.5	3	3	4.5	4.5	6

Notes For Allowable Load Tables

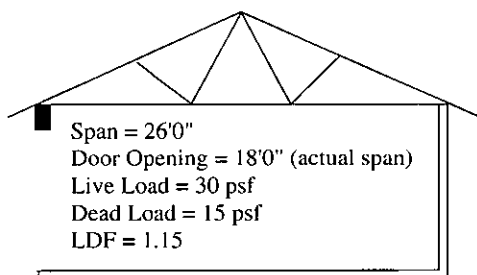
1. Values shown are the maximum uniform loads in pounds per lineal foot (PLF) that can be applied to the beam. Beam weight has been subtracted from the allowable load. Load tables are based on dry use conditions.
2. LDF = Load Duration Factor per code requirements.
3. Bearing length shown is required at each end of header, and is based on an allowable bearing stress of 740 psi. The beam must be sitting directly on top of 1 or more trimmers. A longer bearing length may be required depending on the material that the beam is bearing on. For example, if the beam is sitting on a SPF top plate, a longer bearing length will be required due to the lower compression perpendicular-to-grain design value for SPF.
4. The bearing lengths show the number of trimmers needed (e.g., 1.5 = 1 trimmer, 3.0 = 2 trimmers, etc.). This is based on the maximum PLF loads. Shorter bearing lengths may be used with lighter loads.
5. Tables are based on simple span conditions using the actual span as the center-to-center of bearing.
6. The beam is assumed to be loaded on the top edge and supported at bearing points.
7. For deflection limits of L/240 and L/480, multiply the Maximum Live Load figure (Row 2) by 1.5 and 0.75, respectively. For deflection factors of L/180 and L/360, multiply the Maximum Live Load figure (row 2) by 1.333 and 0.667, respectively. The result shall not exceed the Total Load Figure (Row 1).
8. A 9-1/2" depth member may be substituted for a 9-1/4" member, and an 11-7/8" for an 11-1/4", etc.

Steps in Sizing Beams or Headers:

1. Determine the Total Load (live + dead) on the beam in PLF (pounds per lineal foot)
2. Determine the Live Load in PLF.
3. Find the actual span that is the same or greater than the span you have.
4. From the actual span row selected, find the PLF load that meets or exceeds the required PLF load for Total Load (Row 1) and Live Load (Row 2). The required bearing length is given in Row 3.
5. The beam size is found at the top of the column of the selected cell that meets all of your conditions.
6. If the beam selected is too deep or the bearing length too long, continue in the selected row to find another possibility.

Examples Using Allowable PLF Tables

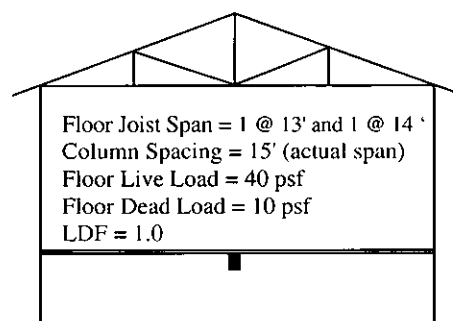
Allowable PLF Calculation for Roof Loads



$$\begin{aligned}\text{Total Load} &= (26'0" + 2') \times 45 \text{ psf } (30 + 15) = 675 \text{ plf} \\ \text{Live Load} &= (26'0" + 2') \times 30 \text{ psf} = 450 \text{ plf}\end{aligned}$$

Go to the allowable roof load table using LDF=1.15 and find the 18' actual span row. Using the top row, find a Total Load greater than 675 plf (3-1/2 x 14). Using the middle row, find a Live Load greater than 450 plf (3-1/2 x 14). You must select the larger of the two beams, or 3-1/2 x 14 with 4-1/2" (3 trimmers) of bearing. You could also use the 5-1/2 x 11-1/4 if you only had 3" (2 trimmers) of bearing.

Allowable PLF Calculation for Floor Loads



$$\begin{aligned}\text{Total Load} &= (13'0" + 14'0") \times 50 \text{ psf } (40 + 10) = 675 \text{ plf} \\ \text{Live Load} &= (13'0" + 14'0") \times 40 \text{ psf} = 540 \text{ plf}\end{aligned}$$

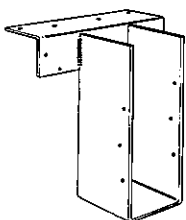
Go to the allowable floor load table and find the 15' actual span. Using the top row, find a total load greater than 675 plf (3-1/2 x 14). Using the middle row, find a live load greater than 540 plf (3-1/2 x 14). You must select the larger of the two beams, or 3-1/2 x 14, and use 3.0" (2 trimmers) of bearing. You could also use a 5-1/2 x 11-1/4 beam with 3" (2 trimmers) of bearing.

Top Mount Hangers				Face Mount Hangers			
Supported Member Width	Supported Member Depth	Hanger	Maximum Load (lbs.)	Supported Member Width	Supported Member Depth	Hanger	Maximum Load (lbs.)
3-1/2"	7-1/4"	W7-2	2335	3-1/2"	7-1/4"	HU48	1875
3-1/2"	9-1/4"	HWU3.56/9.25	6335	3-1/2"	9-1/4" - 9-1/2"	HHUS410	5190
		GLTV3.56/9.25	7000			HGUS410	7750
3-1/2"	9-1/2"	HWU3.56/9.5	6335	3-1/2"	11-1/4" - 11-7/8"	HHUS410	5190
		GLTV3.59	7000			HGUS412	9365
3-1/2"	11-1/4"	HWU3.56/11.25	6335	3-1/2"	14" - 18"	HHUS410	5190
		GLTV3.56/11.25	7000			HGUS414	10980
3-1/2"	11-7/8"	HWU3.56/11.88	6335	5-1/2"	7-1/4"	HU5.62/7.25	1875
		GLTV3.511	7000				
3-1/2"	14"	HWU3.56/14	6335	5-1/2"	9-1/4" - 9-1/2"	HGUS5.62/10	7750
		GLTV3.514	7000				
3-1/2"	16"	HWU3.56/16	6335	5-1/2"	11-1/4" - 11-7/8"	HGUS5.62/12	9365
		GLTV3.516	7000				
3-1/2"	18"	HWU3.56/18	6335	5-1/2"	14" - 18"	HGUS5.62/14	10980
		GLTV3.518	7000				
5-1/2"	7-1/4"	WPU5.62/7.25	4165	7"	9-1/4" - 9-1/2"	HHUS7.25/10	5190
						HGUS7.25/10	7750
5-1/2"	9-1/4"	GLTV5.50/9.25	7000	7"	11-1/4" - 11-7/8"	HHUS7.25/10	5190
						HGUS7.25/12	9365
5-1/2"	9-1/2"	GLTV5.59	7000			HHUS7.25/10	5190
		HGLTV5.59	8665			HGUS7.25/14	9665
5-1/2"	11-1/4"	GLTV5.50/11.25	7000				
5-1/2"	11-7/8"	GLTV5.511	7000				
		HGLTV5.511	8665				
5-1/2"	14"	GLTV5.514	7000				
		HGLTV5.514	8665				
5-1/2"	16"	GLTV5.516	7000				
		HGLTV5.516	8665				
5-1/2"	18"	GLTV5.518	7000				
		HGLTV5.518	8665				
7"	9-1/4"	HWU7.12/9.25	6000				
		GLTV49.25-2	7000				
7"	9-1/2"	HWU7.12/9.5	6000				
		GLTV49.5-2	7000				
7"	11-1/4"	HWU7.12/11.25	6000				
		HGLTV411.25-2	8665				
7"	11-7/8"	HWU7.12/11.88	6000				
		HGLTV411.88-2	8665				
7"	14"	HWU7.12/14	6000				
		HGLTV414-2	8665				
7"	16"	HWU7.12/16	6000				
		HGLTV416-2	8665				
7"	18"	HWU7.12/18	6000				
		HGLTV418-2	8665				

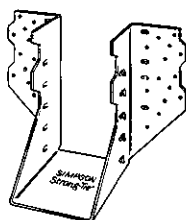
Notes:

- Maximum loads shown are based on 3-1/2" minimum Power Beam header for floor loads at 100% duration. Consult *Simpson's Composite Wood Products Connector* catalog for allowable increases when other load durations apply and for installation information. Hangers only achieve maximum load capacity when all nail holes are filled with the proper size nails and the minimum nail penetration. Full bearing is required at hanger seat. Hanger values listed are for dry service conditions only.
- Top flange hanger configuration and thickness of top flange need to be considered for flush frame conditions.

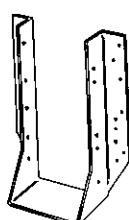
HWU



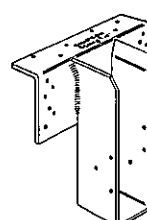
HGUS



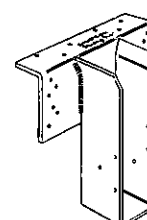
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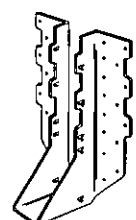
HGLTV



GLTV



HHUS



Top Mount Hangers				Face Mount Hangers			
Supported Member Width	Supported Member Depth	Hanger	Maximum Load (lbs.)	Supported Member Width	Supported Member Depth	Hanger	Maximum Load (lbs.)
3-1/2"	7-1/4"	HDO48	2855	3-1/2"	7-1/4"	THD48	3750
		HHDO48	3985			THDH48	6205
3-1/2"	9-1/4"	PHX35925	5355	3-1/2"	9-1/4" - 9-1/2"	THD410	5090
		HLBH35925	10565			THDH410	7840
3-1/2"	9-1/2"	PHX3595	5355	3-1/2"	11-1/4" - 11-7/8"	THD412	6430
		HLBH3595	10565			THDH412	9475
3-1/2"	11-1/4"	PHX35112	5355	3-1/2"	14" - 18"	THD414	7770
		HLBH35112	10565			THDH414	10990
3-1/2"	11-7/8"	PHX35118	5355	5-1/2"	7-1/4"	HD68	1630
		HLBH35118	10565			HHDH68	1955
3-1/2"	14"	PHX3514	5355	5-1/2"	9-1/4" - 9-1/2"	THDH610	7840
		HLBH3514	10565				
3-1/2"	16"	PHX3516	5355	5-1/2"	11-1/4" - 11-7/8"	THDH612	9475
		HLBH3516	10565				
3-1/2"	18"	PHX3518	5355	5-1/2"	14" - 18"	THDH614	11105
		HLBH3518	10565				
5-1/2"	7-1/4"	HDO68	2855	7"	9-1/4" - 9-1/2"	THDH7210	7840
		HHDO68	3985				
5-1/2"	9-1/4"	PHX55925	5680	7"	11-1/4" - 11-7/8"	THDH7212	9475
		HLBH55925	10565				
5-1/2"	9-1/2"	PHX5595	5680	7"	14" - 18"	THDH7214	11105
		HLBH5595	10565				
5-1/2"	11-1/4"	PHX55112	5680	Notes: 1. Maximum loads shown are based on 3-1/2" minimum Power Beam header for floor loads at 100% duration. Consult <i>USP Full Line Catalog</i> or <i>EWP Product Guide and Design Manual</i> for allowable increases when other load durations apply. Hangers only achieve maximum load capacity when all nail holes are filled with the proper size nails and the minimum nail penetration. Full bearing is required at hanger seat. Hanger values listed are for dry service conditions only. 2. Top flange hanger configuration and thickness of top flange need to be considered for flush frame conditions.			
		HLBH55112	10565				
5-1/2"	11-7/8"	PHX55118	5680				
		HLBH55118	10565				
5-1/2"	14"	PHX5514	5680				
		HLBH5514	10565				
5-1/2"	16"	PHX5516	5680				
		HLBH5516	10565				
5-1/2"	18"	PHX5518	5680				
		HLBH5518	10565				
7"	9-1/4"	PHX35925-2	5680				
		HLBH71925	10370				
7"	9-1/2"	PHX3595-2	5680				
		HLBH7195	10370				
7"	11-1/4"	PHX35112-2	5680				
		HLBH71112	10370				
7"	11-7/8"	PHX35118-2	5680				
		HLBH71118	10370				
7"	14"	PHX3514-2	5680				
		HLBH7114	10370				
7"	16"	PHX3516-2	5680				
		HLBH7116	10370				
7"	18"	PHX3518-2	5680				
		HLBH7118	10370				

PHX

THD

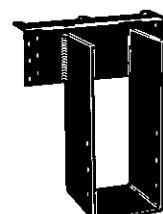
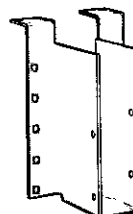
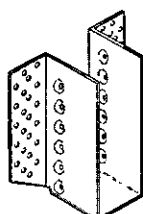
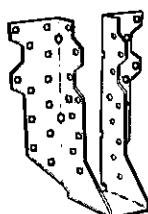
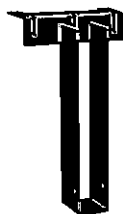
THDH

HD

HDO/HHDO

HDO

HLBH



POWER BEAM® Design Properties

Allowable Design Stresses (Psi)

	Flexural Stress** F _b	Tension Parallel to Grain F _t	Compression Perpendicular to Grain F _c ⊥	Horizontal Shear *** F _v	Modulus of Elasticity **** E			
3-1/2" & 5-1/2"	3000	1250	740	290	2,100,000			
7"	2800	1250	740	290	2,100,000			
3-1/2" BEAM WIDTH								
Depth (in)	7¼	9¼	9½	11¼	11⅞	14	16	18
Weight* (lbs/ft)	6.9	8.8	9.0	10.7	11.3	13.3	15.2	17.1
C _{db} Factor (L=21')	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999
I (in ⁴)	111	231	250	415	488	800	1195	1701
Moment Capacity (lbs-ft)	7665	12478	13161	18457	20565	28583	37333	47193
Shear Capacity (lbs)	4906	6259	6428	7613	8035	9473	10827	12180
5-1/2" BEAM WIDTH								
Depth (in)	7¼	9¼	9½	11¼	11⅞	14	16	18
Weight* (lbs/ft)	10.8	13.8	14.2	16.8	17.7	20.9	23.8	26.8
C _{db} Factor (L=21')	1.000	1.000	1.000	1.000	0.997	0.989	0.982	0.976
I (in ⁴)	175	363	393	653	768	1258	1877	2673
Moment Capacity (lbs-ft)	12046	19608	20682	28995	32219	44415	57625	72503
Shear Capacity (lbs)	7709	9836	10102	11963	12627	14887	17013	19140
7" BEAM WIDTH								
Depth (in)	9¼	9½	11¼	11⅞	14	16	18	19¼
Weight* (lbs/ft)	17.5	18.0	21.3	22.5	26.5	30.3	34.1	36.5
C _{db} Factor (L=21')	0.997	0.996	0.988	0.985	0.977	0.970	0.985	0.962
I (in ⁴)	452	500	831	977	1601	2389	3402	4161
Moment Capacity (lbs-ft)	23232	24472	34030	37814	52127	67631	85093	96996
Shear Capacity (lbs)	12518	12857	15225	16071	18947	21653	24360	26052

* Beam Weights are based on 39 pcf.

** Flexural Stress, F_b , shall be modified by Volume Factor, C_v , as outlined in BOCA Report 96-6, SBCCI Report 9625, and AITC 117-Design where;

$$C_v = K_L \times [21/L]^{0.05} \times (12/d)^{0.05} \times (5.125/b)^{0.05} \leq 1.0$$

where: K_L = loading coefficient (1.0 for uniformly distributed),
 L = length of bending member between points of zero moment, ft.,
 d = depth of bending member, in.,
 b = width of bending member, in.

Tabulated Moment Capacities are based on a span of 21 feet and must be modified for other spans. Width and depth portions of Volume Factor, C_v , are incorporated in tabulated Moment Capacities using C_{db} Factor.

*** Horizontal Shear Stress, F_v , shall be modified by Shear Factor, C_H , as outlined in BOCA Report 96-6 & SBCCI Report 9625 where;

$$0.69 \leq C_H = K_L \times [850/(b \times L)]^{0.2} \leq 1.0$$

where: K_L = loading coefficient (1.0 for uniformly distributed),
 b = width of beam, in.,
 L = span of beam, in.

Tabulated Shear Capacities are based on a horizontal shear area of 850 in² and must be reduced for larger shear areas using Shear Factor, C_H , adjustment.

**** E increase based on NER 466.

Note: Allowable design properties and load capacities are based on a load duration of 100 percent and dry use conditions.

Frequently Asked Questions

What is a Power Beam®?

Power Beam® is a high strength glulam produced to compete section for section with LVL and Parallam.

What is the warranty on Power Beam®?

Anthony Forest Products Company warrants that its Power Beam® will be free from defects in design, materials and workmanship. When installed and finished according to our published installation instructions and accepted engineering standards, our Power Products will perform in accordance with our current published specifications for the lifetime of your home or building.

How is it manufactured?

Power Beam® is manufactured using machine evaluated Southern Pine lumber in accordance with product standard ANSI/AITC A190.1-1992. Materials are manufactured using wet use adhesives and are certified under AITC's quality control and assurance program. Standard 30F and 28F Power Beam® are manufactured using **balanced layups**. These layups, designated as 30F-E2 and 28F-E2, are symmetric in their makeup, therefore no top or bottom orientation is required. An **unbalanced layup** for Power Beam® is available. The unbalanced Power Beam®, designated as 30F-E1 and 28F-E1, has an asymmetrical layup with stronger lamina in the tension zone than the compression zone. For this reason, unbalanced beams are marked with top stamps and should be installed with the compression face upward.

Is Power Beam® cambered like most glulams?

Camber is often manufactured into glulams to offset the long term deflection due to gravity loads thus reducing the adverse aesthetic effect of in-service deflections. The use of camber is advantageous for long span members supporting large design loads. Typical residential and light commercial beam and header applications do not require camber. In fact, camber manufactured into members used in these applications may never relax resulting in a permanent curvature. For this reason, standard 30F-E2 and 28F-E2 Power Beam® is manufactured with zero camber for use in simple, continuous, and cantilevered span applications. Cambered Power Beam® can however be produced on special order.

Does it look like a typical glulam?

Power Beam® is an industrial appearance grade glulam and is not intended for architectural applications. Power Beam® is side stamped with **Anthony Forest Products** trademarks and AITC quality marks.

How is Power Beam® packaged?

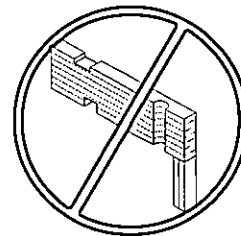
Power Beam® comes individually wrapped in water resistant paper or bundle wrapped.

What about Storage?

As with any wood product, a well-drained covered storage site is preferred and recommended. Materials should be kept off of the ground using blocking, skids, or rack systems. For long term storage, slits should be cut in the bottom of the wrapping to allow ventilation and drainage of any entrapped moisture. Proper storage with adequate ventilation and drainage will reduce the likelihood of staining, or other affects from water infiltration such as cupping and dimensional changes.

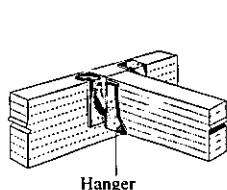
Can you notch or drill holes in Power Beam®?

Since glulams are highly engineered components manufactured from specifically selected and positioned lumber laminations, an improperly cut notch or hole drilled in the wrong location can significantly affect the member's structural performance. For this reason, field modifications such as notching, cutting, or drilling should be minimized and never done without a thorough understanding of the effects on the member's structural integrity. *For further information on field modifications, contact **Anthony Forest Products** for technical notes.*

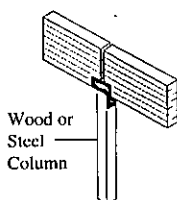


Can it be pressure treated for exterior or high moisture applications?

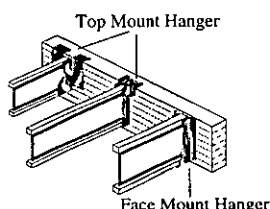
Where pressure treatment is required, Power Beam® may be treated in accordance with AITC Standard 109 and AWPA Standard C-28.



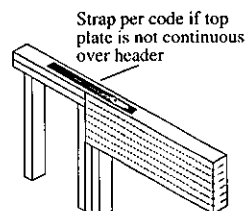
Beam to Beam



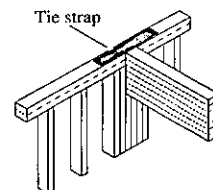
Beam to Column



Floor Beam to Joist



Header to Frame



Beam to Frame

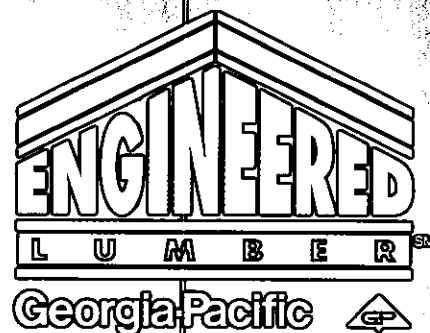
Laminated Structural Products from Anthony Forest Products Company

Our choices of manufactured structural building products can have an impact on our environment and our consumption of energy. It is important to note that wood products have many advantages over aluminum, steel and concrete which are energy intensive to produce.

POWER BEAM® LSL production uses a readily available and renewable resource of narrow dimension lumber from second and third growth timber as its raw material. Computer technology and advanced manufacturing processes enable the end-product to optimize fully our raw material. As a construction material, wood requires very little energy to manufacture, and is 4 times more efficient as an insulator than cinder block, 6 times more efficient than brick, 15 times more efficient than concrete and 1,770 times more efficient than aluminum.

For more information on POWER BEAM® LSL, call the Georgia-Pacific Sales Center nearest you:
Eastern Sales Center 1-800-839-2588
Western Sales Center 1-800-830-7370
For technical assistance, call 1-800-423-2403.

Distributed by:



POWER BEAM® LSL is a trademark of

Anthony Forest Products Company

Post Office Box 1377 • El Dorado, Arkansas 71730

Internet address: <http://www.anthonyforest.com>

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Lit. item #124010

COUNTER FORM
PLEASE PRINT

ELECTRICAL SUBCODE	FIRE PROTECTION SUBCODE
CONTRACTOR: <u>BACHMAN ELECTRICAL</u>	CONTRACTOR: <u>Baine Contracting</u>
ADDRESS: <u>335 E. VIRGINIA AV</u> <u>MINNESOTA 08736</u>	ADDRESS: <u>358 Kelly Avenue</u>
PHONE: <u>528-3339</u>	PHONE: <u>732-840-4011</u>
LIC. #: <u>8591</u> EXP. DATE:	LIC. #: <u>017814</u> EXP. DATE: <u>11/99</u>
FEDERAL EMPL. # (or S.S. #):	FEDERAL EMPL. # (or S.S. #): <u>222771195</u>
TECHNICAL DATA (LIST ALL FIXTURES)	TECHNICAL DATA (DESCRIPTION OF WORK)
DESCRIPTION QTY SIZE	
ITEMS	
Lighting Fixtures <u>8</u>	
Receptacles <u>20</u>	
Switches <u>8</u>	
Detectors <u>6</u>	
Light Poles	
Motors - Fract. HP	
Emergency & Exit Lights	
Communications Points	
Alarm Devices/E.A.C. Panel	
TOTAL NUMBERS	
Pool Permit w/UW Lights	Water Supply Source
Storable Pool/Spa/Hot Tub	Method of Valve Supervision
KW Elec. Range / Receptacle KW	Local Alarm Supervision
KW Oven / Surface Unit KW	Central Supervision
KW Elec. Water Heater KW	Proprietary Supervision
KW Elec. Dryer / Receptacle KW	
KW Dishwasher KW	Flammable Liquid Storage Tanks Capacity: Fuel:
HP Garbage Disposal HP	Combustible Liquid Storage Tanks Capacity: Fuel:
KW Central A/C Unit KW	L.G.P. Storage Tanks Capacity: Fuel:
HP/KW Space Heater/Air Handler HP/KW	
KW Baseboard Heat KW	DESCRIPTION NUMBER
HP Motors 1/+ HP HP	Wet Sprinkler Heads
KW Transformer/Generator KW	Dry Sprinkler Heads
AMP Service AMP	Total
AMP Subpanels AMP	
AMP Motor Control Center AMP	Smoke Detectors <u>#1</u>
AMP Elec. Sign/Outline Light KW	Heat Detectors
Other	Total <u>#75.0</u>
Other	
Other	Stand Pipes
Other	Kitchen Hood Exhaust Systems
Estimated Cost of Electrical Work: <u>\$1305.00</u>	Pre-Engineered Systems
Signature (print name): <u>FRANK M BACHMAN</u>	Co2 Suppression
Estimated Cost of Electrical Work: \$	Halon Suppression
Signature (print name): <u>J. M. Baine</u>	Foam Suppression
Owner ☐ Contractor ☐	Dry Chemical
SUBCODE APPROVAL:	Wet Chemical
PLANS: Required ☐ Approved ☐	
Approved by:	Gas or Oil Fired Appliance <u>(1) gas fireplace</u>
Date:	Other
CONTRACTOR AFFIX SEAL:	Other
	Estimated Cost of Fire Protection Work: \$
	Signature: <u>J. M. Baine</u>
	Owner ☐ Contractor ☐
	SUBCODE APPROVAL:
	PLANS: Required ☐ Approved ☐
	Approved by:
	Date:

COUNTER FORM
PLEASE PRINT

TOWNSHIP OF BRICK

401 Chambers Bridge Road
Brick, New Jersey 08723
Tel: 732-262-1027

(LIASHACK) →

Brower

Site Location: <u>27 Brown Dr.</u>	Date Rec'd.: _____
Block: <u>89.01</u> Lot: <u>40</u>	Date Issued: _____
Owner in Fee: <u>LIASHACK ED</u>	Control #: _____
Address: <u>27 Brown Dr.</u>	Permit #: _____
<u>Brick</u>	
State: <u>N.J.</u> Zip: <u>08723</u> Phone: (____) _____	
SS #: _____	Provide only if Applicant is owner

PLUMBING SUBCODE	BUILDING SUBCODE
CONTRACTOR: <u>NICK TERZIO PLUMB #176</u>	CONTRACTOR: <u>Boing Contracting</u>
ADDRESS: <u>1414 Wallach Dr</u> <u>TOWNS RIVER N.J. 08753</u>	ADDRESS: <u>308 1/2 Ave</u> <u>Brick NJ 08724</u>
PHONE: <u>732-244-7667</u>	PHONE: <u>840-4811</u>
LIC #: <u>6827</u>	LIC #: <u>017814</u>
LIC. EXPIRATION DATE: <u>6/99</u>	LIC. EXPIRATION DATE: <u>11/99</u>
FEDERAL EMP. # (or S.S. #): <u>221201445</u>	FEDERAL EMP. # (or S.S. #): <u>22-3771195</u>
TECHNICAL SITE DATA (LIST ALL FIXTURES)	TECHNICAL SITE DATA
NO. FIXTURE/EQUIPMENT	DESCRIPTION OF WORK:
_____ Water Closet	<u>new 10x20 addition 4' x 16'</u>
_____ Urinal / Bidet	<u>ATTACHED. See as per plan</u>
_____ Bath Tub	<u>8 x 20 x 2'</u>
_____ Lavatory	<u>Rebuilt Bath</u>
_____ Shower	<u>Gas fireplace direct vent</u>
_____ Floor Drain	<u>Alteration: Removing existing door</u>
_____ Sink	<u>existing door & finishing</u>
_____ Dishwasher	
_____ Drinking Fountain	
_____ Washing Machine	
_____ Hose Bibb	
<u>X</u> _____ Gas Piping <u>to fireplace</u>	
_____ Fuel Oil Piping	
_____ Water Heater	
_____ Steam Boiler	
_____ Hot Water Boiler	
_____ Sewer Pump	
_____ Interceptor / Separator	
_____ Backflow Preventer	
_____ Greasetrap	
_____ Water Cooled AC or Refrig. Unit	
_____ Sewer Connection	
_____ Septic (Disposal System) Closure	
_____ Water Service Connection	
_____ Gas Service Connection	
_____ Active Solar System	
_____ Vent Through Roof	
_____ Other	
Estimated Cost of Plumbing Work: \$ <u>600.00</u>	TYPE OF WORK
Signature: <u>Michael G. Key</u>	☐ New Building
Owner ☐ Contractor ☒	☐ Addition ☐ Fence: Height (6' or More)
SUBCODE APPROVAL:	☐ Alteration ☐ Sign: Sq. Ft.
PLANS: Required ☐ Approved ☐	☐ Roofing ☐ Pool (In Ground)
Approved by: _____	☐ Siding ☐ Pool (Above Ground)
Date: _____	☐ Other: ☐ Asbestos Abatement
CONTRACTOR AFFIX SEAL:	☐ Other: ☐ Demolition
	BUILDING CHARACTERISTICS
	USE GROUP Present: Proposed:
	CONSTR. CLASS Present: Proposed:
	No. of Stories: <u>1-2-3-4-5-6-7-8-9-10-11-12</u>
	Height of Structure: <u>16' + or -</u>
	Area - Largest Floor: <u>200 Sq. ft.</u>
	New Building Area / All Floors: <u>200 sq'</u>
	Volume of Structure: <u>320 cu'</u> Total Land Disturbed: <u>2008'</u>
	Signature: <u>Michael G. Key</u>
	Estimated Cost of Building Work: <u>26,411</u>
	New Building (1): \$ <u>24,211.00</u>
	Alteration (2): \$ <u>2,200.00</u>
	TOTAL (1+2): \$ <u>26,411.00</u>
	SUBCODE APPROVAL:
	PLANS: Required ☐ Approved ☐
	Approved by: _____
	Date: _____

Applicable to Ordinance 728-92

This form must be handed in with permit application or a permit will not be issued.

TOWNSHIP OF BRICK

27 Brown Dr. 89.01 40
Work Site Address Block Lot

Ed GASHAK 27 Brown Dr. Brick N.J. 08723
Owner's Name, Address, Phone

H&D Thosette 2360 Church Rd Tom Thine N.J. 08759
Contractor's Name, Address, Phone

Baine Contracting Inc 358 Kelly Ave Brick N.J.
Contractor's Name, Address, Phone

Construction 10x20 Sack Family room addition w/ 8x20 wood deck
Describe type (Single family home, etc.)

Demolition 7x20 Existing Sack wall & some roofing
Describe type (Structure, roof, siding, etc.)

Describe type and estimated quantity of material 10 yards

Name, address and phone of party responsible for removal of debris:
H&D Thosette Tom Thine N.J.

Size of dumpster: 13 yard pickup truck

Destination of discarded debris: Manchester Landfill

Hauler's DEP Permit No.: # 15172

**Note: Any recyclable material, including, but not limited to:
corrugated cardboard, vegetative waste, concrete, asphalt, clean wood,
etc., must be delivered to an approved recycling center, and receipts
provided to the Township of Brick along with tipping receipts for
non-recyclable material.

Generator's Certification: Under penalty of criminal and civil prosecution,
for the making or submission of false statements, representations or omissions,
I declare, on behalf of the generator that the contents of this document are
fully and accurately described above and have been disposed or recycled in
accordance with all applicable State and Federal laws and regulations, and
that I have been authorized, in writing, to make such declarations by the
person in charge of the generator's operation.

Michael Baire Signature 9/23
Printed/Typed Name Date

FOR OFFICE USE ONLY

MUST BE COMPLETED BEFORE CERTIFICATE OF OCCUPANCY OR CERTIFICATION OF APPROVAL IS ISSUED

Recycling tonnage receipts attached?

Certified tipping receipts attached?

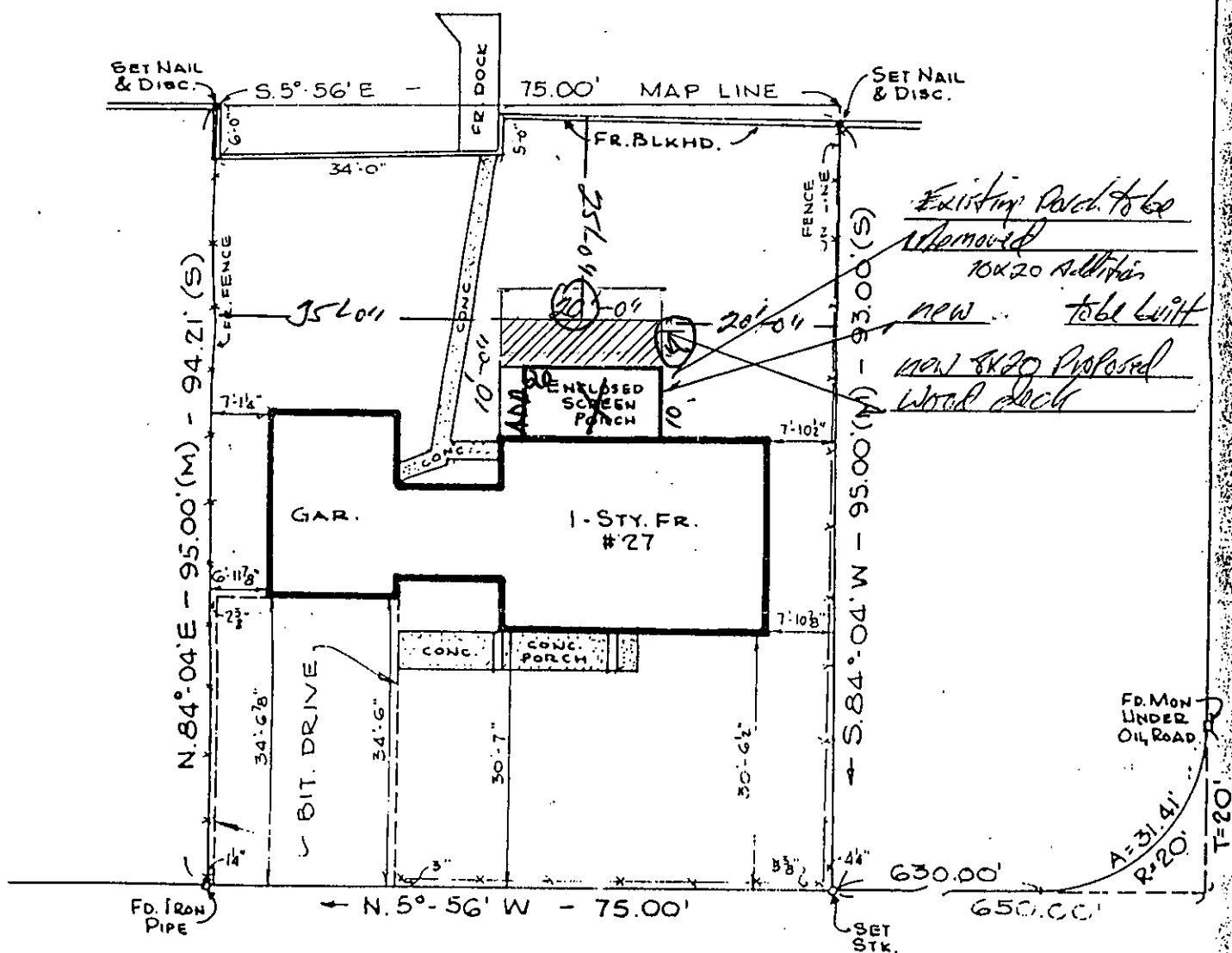
**Note: Receipts must show certified weights, date of disposal and name and address
of disposal center.

- DISTRIBUTION LIST:
1. Original to Code Enforcement Officer
 2. Construction Code Office
 3. Applicant

MAP OF PROPERTY

SITUATED IN
SANDY POINT - BRICK TWP
OCEAN COUNTY, NEW JERSEY

MAYFLOWER LAGOON



BROWER DRIVE

APPROVED FOR RECORD ONLY

SEAL & SIGNATURE OF SURVEYOR

DATE October 7, 1998

Don King - addition & deck

BEING LOT 40 & N'LY $\frac{1}{2}$ OF LOT 41;
BLOCK 1; ON MAP OF "SANDY POINT";
DATED SEPT. 1947; FILED OCT. 2, 1957
AS MAP D-413.

CERTIFIED TO:

JAMES F. MEIER & ALICE J. MEIER, H/W;
OCEAN FEDERAL SAVINGS & LOAN ASSOC.;
INTER STATE ABSTRACT CO.;
AMERICAN TITLE INSURANCE CO.;
ANTON & WARD.

SCALE: 1" = 20'

DATE: JUNE 24, 1971

71-39.3

GEORGE W. HENN, INC.

CIVIL ENGINEERS AND LAND SURVEYORS

PROFESSIONAL PLANNERS

73 MANTOLOKING ROAD

BRICK TOWN, N. J. 08723

I CERTIFY THAT I HAVE SURVEYED THE PREMISES
SHOWN HEREIN IN ACCORDANCE WITH THE DEED
DESCRIPTION AND FIND CONDITIONS AS SHOWN.

Walter Scharfenberg

GEO. W. HENN, P. E., L. S. 5328

WALTER SCHARFENBERG L. S. 14159, P. P.