

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

PERMIT ISSUED

Permit Number: 060979
JUL 17 2005

CITY OF PORTLAND

Please Read Application And Notes, if Any, Attached

This is to certify that FORE STREET HOLDING LLC / Avery Services, Inc.

has permission to install a Carrier air conditioner

AT 432 FORE ST

032 R003001

provided that the person or persons who perform or supervise the work in accepting this permit shall comply with all of the provisions of the Statutes of this State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is procured before this building or part thereof is altered or closed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____
Health Dept. _____
Appeal Board _____
Other _____
Department Name

[Signature]
7/13/06
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

PERMIT ISSUED

Permit No: 06-0979	Issue Date: JUL 17 2006	CBL 032 R003001
-----------------------	----------------------------	--------------------

Location of Construction: 432 FORE ST	Owner Name: FORE STREET HOLDINGS LLC	Owner Address: 6 WEBBER WAY	Phone: 8310669
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone: 2077728687
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Commercial Restaurant - Granny's Burrito	Proposed Use: Commercial Restaurant - "Granny's Burrito" install a Carrier air conditioner	Permit Fee: \$66.00	Cost of Work: \$4,990.00	CEO District: 1
---	---	------------------------	-----------------------------	--------------------

Proposed Project Description: install a Carrier air conditioner	FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied To NIPA 90A	INSPECTION: Use Group: HVAC Type: <i>[Signature]</i>
--	--	--

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)	
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied	Signature: <i>[Signature]</i> Date: 7/14/06

Permit Taken By: Idobson	Date Applied For: 06/30/2006	Zoning Approval
-----------------------------	---------------------------------	------------------------

Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland	<input type="checkbox"/> Variance	<input type="checkbox"/> Not in District or Landmark
<input type="checkbox"/> Wetland	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Does Not Require Review
<input type="checkbox"/> Flood Zone	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Requires Review
<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation	<input checked="" type="checkbox"/> Approved
<input type="checkbox"/> Site Plan	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/>	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
Date:	Date:	Date: <i>[Signature]</i> 7/13/06

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

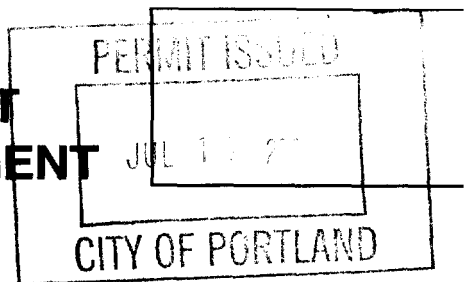
SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the **INSPECTOR OF BUILDINGS, PORTLAND, ME.**

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 32 R 3 Use of Building _____ Date 6.26.06

Name and address of owner of appliance GRANNIS BURRITO 420 FORE ST PORTLAND

Installer's name and address Avery Services Inc. 7 THOMAS DR Westbrook Me 04092 Telephone 728687

Location of appliance:

- Basement
- Floor 2nd
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Carrier

U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas# _____
- Other _____

Type of Chimney:

- Masonry Lined
- Factory built N/A

- Metal
- Factory Built U.L. Listing # _____

- Direct Vent
- Type N/A

Type of Fuel Tank

- Oil
- Gas

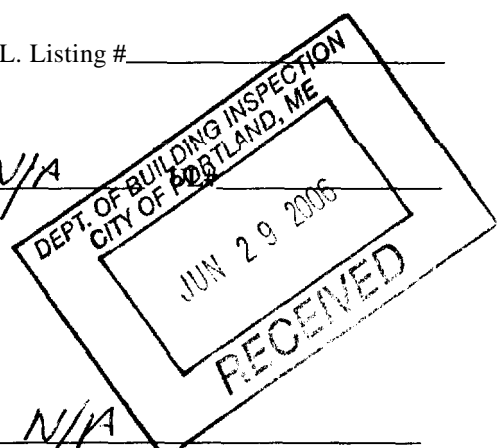
Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 4,990

Permit Fee: \$ 0.



Approved

Approved with Conditions

Fire: _____

Ele.: _____

Bldg.: _____

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

Signature of Installer Michael Sachy

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-0979	Date Applied For: 06/30/2006	CBL: 032 R003001
------------------------------	--	----------------------------

Location of Construction: 432 FORE ST	Owner Name: FORE STREET HOLDINGS LLC	Owner Address: 6 WEBBER WAY	Phone:
Business Name:	Contractor Name: Avery Services, Inc.	Contractor Address: 7 Thomas Drive Westbrook	Phone (207) 772-8687
Tenant/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial Restaurant -"Granny's Burrito" install a Carrier air conditioner	Project Description: install a Carrier air conditioner
---	--

Dept: Historical	Status: Approved	Reviewer: Deborah Andrews	Approval Date: 07/13/2006	Ok to Issue: <input checked="" type="checkbox"/>
Note:				
Dept: Building	Status: Approved	Reviewer: Mike Nugent	Approval Date: 07/13/2006	Ok to Issue: <input checked="" type="checkbox"/>
Note:				
Dept: Fire	Status: Approved with Conditions	Reviewer: Cptn Greg Cass	Approval Date: 07/05/2006	Ok to Issue: <input checked="" type="checkbox"/>
Note:	1) Install shall comply with NFPA 90 A			

Comments:
7/7/2006-mjn: This needs historic review, I've advised the contractor and applicant. They are submitting photo's of where this will go.



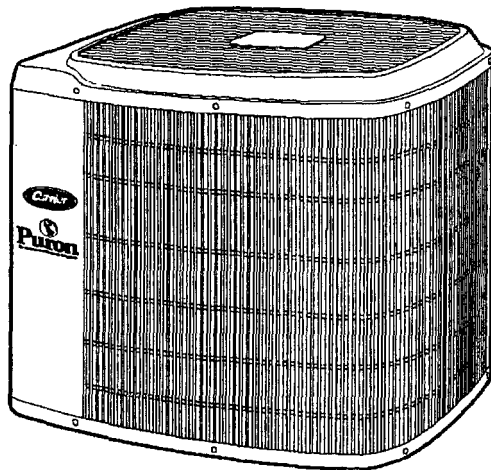
38TDB

Infinity™ 18 w/Puron® Refrigerant

Carrier Corporation-Syracuse, NY 13221
SUBJECT TO CHANGE WITHOUT NOTICE

38TDB INFINITY 18 SPLIT-SYSTEM AIR CONDITIONER WITH PURON® REFRIGERANT

The Infinity 18 Air Conditioner incorporates innovative two capacity compressor technology with Puron® refrigerant to provide quiet, efficient cooling performance. With an 18 SEER unit, Carrier has one of the highest efficiency air conditioners on the market. Additional features include WeatherArmor™ coil protection, high- and low-pressure switches for compressor protection and a standard 16 cubic inch filter drier for improved compressor reliability. Consult Product Data for performance ratings.



STANDARD FEATURES

- Puron® refrigerant environmentally sound
- Up to 18.0 SEER with specified Carrier equipment
- Copper tube aluminum fin coil -for higher efficiency
- External brass back seating service valves with sweat connections

Silencer System™ for extra quiet operation

- Compressor sound hood
- Silencer™ top design
- Compressor vibration isolator plate
- Split Post Compressor Grommets
- **WeatherArmor™ Condenser coil grille**
- Easy to clean-natural clean
- Lower maintenance cost
- Lower service cost
- Unit maintains higher lifetime efficiency over the competition

Reliability, Quality, and Toughness

- Powder paint finish
- Ceramic-coated cabinet screws
- **Totally enclosed PSC fan motor (024, 036-060 sizes)**
- High-pressure switch
- Low-pressure switch
- Internal compressor muffler
- External compressor muffler
- Discharge muffler
- Compressor internal pressure relief valve
- **Totally enclosed ICM fan motor (037 size only)**
- Compressor internal overloads
- Heat pump style base pan
- Factory supplied filter drier
- Solid-state 2-capacity control
- Solid-state outdoor ambient sensor
- Compressor start assist-capacitor and relay
- Self-diagnostics
- Submersion crankcase heater

LIMITED WARRANTY

- 5-year parts limited warranty on entire unit
- 10-year parts limited warranty on compressor
- Several extended warranty options available



ISO 9001:2000



INFINITY™ SERIES



As an ENERGY STAR® Partner, Carrier Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

*Only those system combinations that meet Energy Star® efficiency requirements. Refer to the combination ratings in the product data digest.



For R-22 use only

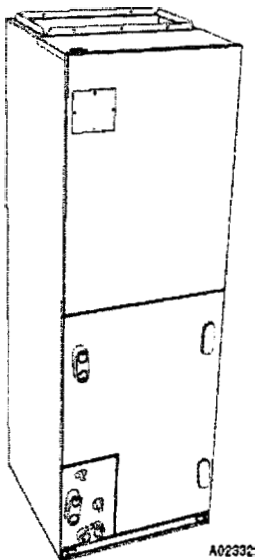
FK4D

Carrier Corporation • Syracuse N.Y. 13221
SUBJECT TO CHANGE WITHOUT NOTICE

**PREMIUM AIR HANDLING TECHNOLOGY
FAN COILS**

STANDARD FEATURES

- Constant CFM, airflow independent of static pressure
- Thermostatic expansion valve (TXV) factory installed, maximizes performance
- 15 to 20 degree warmer supply air temperatures than conventional heat pump systems when installed with Carrier Thermidistat™ Control
- Improved humidity control when installed with Carrier Thermidistat™
- Copper tube/aluminum fin coil with sweat connections
- TDR (reDelay Relay) factory installed, with customizable on and off delays
- Variable capacity unit can be matched with various outdoor unit sizes
- Maximizes system efficiency (increased SEER)
- Soft start-up and ramp-down for quiet operation
- Easy Select Board™ allows simple configuration to maximize comfort, efficiency and safe airflow selection
- Condensate pan constructed of engineered polymer and reliable brass drain connections, provides maximized draining performance
- Pre-painted 20-gage galvanized sheet metal cabinet
- **Unique cabinet designed to meet air leakage regulations**
- Connections for electronic air cleaners and humidifiers
- High-efficiency, variable speed blower motor (ECM) with potted controls
- Factory supplied washable filter and power plug
- Field-installed auxiliary heaters available, staged for improved comfort
- Multipoise fan coil design for installation flexibility in upflow, downflow, and horizontal applications
- Patented blower baffle diffuser for quieter operation
- Ultra low power consumption during fan only operation
- Replaceable 5-amp auto-type fuse protects control board
- Cabinet fully insulated with high density, 1-in. thick (R 4.2) insulation
- **Air sealed filter door**
- Modular cabinet in 006 size



LIMITED WARRANTY

- 5 year warranty on all parts

ODS CATALOG ORDERING NO.	FIELD-INSTALLED HEAT (KW)	MODEL TYPE	COIL TYPE AND FACE AREA (SQ FT)	NOMINAL COOLING CAPACITY (BTUH)	DIMENSIONS (N.)		APPROX SHIP. WT (LB)	PRICE
					Height	Width		
FK4DNF001000	5, 8, 9, 10, 15, 20	F	Slope 2.97	18,000 to 36,000	47-5/8	17-5/8		
FK4DNF002000	5, 8, 9, 10, 15, 20	F	A-coil 3.46	18,000 to 36,000	42-11/16	17-5/8		
FK4DNF003000	5, 8, 9, 10, 15, 18, 20	F	Slope 3.46	24,000 to 42,000	53-7/16	21-1/8		
FK4DNF005000	5, 8, 10, 15, 20, 24, 30	F	A-coil 5.93	30,000 to 48,000	53-7/16	21-1/8	167	
FK4DNB006000	5, 8, 9, 10, 15, 18, 20, 24, 30	B	A-coil 7.42	36,000 to 60,000	59-3/16	24-11/16	202	

B—Modular cabinet and super thick 1-in insulation F—Super thick 1-in insulation

ALEXANDER HUTCHEON Associates
Engineers

49 Falmouth Road
Falmouth, Maine 04105
Telephone (207) 781-3364
Fax (207) 781-3364
Cell (207) 233-7662

June 28, 2006

Grannies Burritos
420 Fore Street
Portland, Maine 04101

Attention: Chris

Dear Chris:

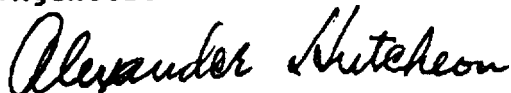
Enclosed are two calculation sheets and a sketch, related to the installation of a Carrier 38TDB048-3 condenser on an existing platform at the third floor level of your establishment at 420 Fore St.

On the basis of my field measurement and the enclosed calculations, it is my opinion that the existing platform is adequate for the installation of the proposed equipment.

Your questions and comments regarding this report are welcome.

Very truly yours,

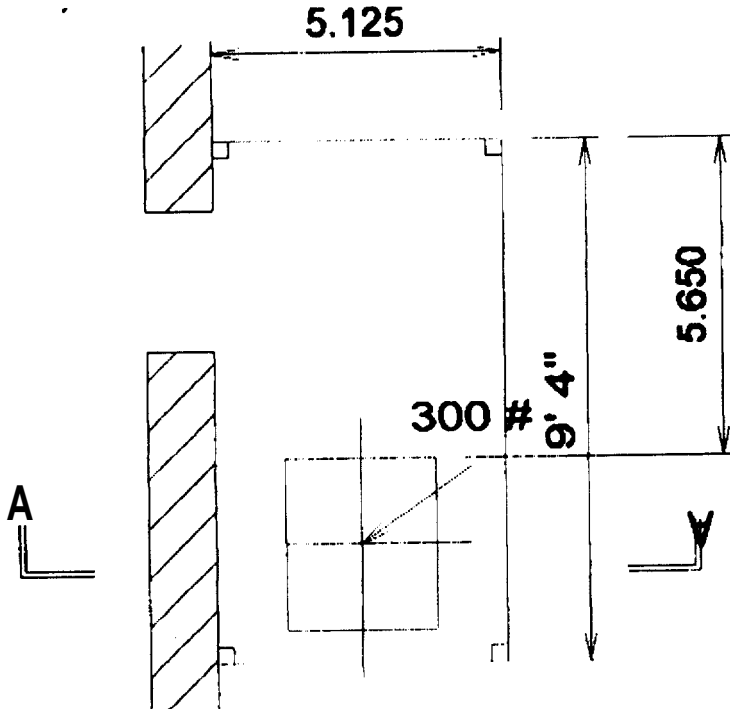
ALEXANDER HUTCHEON Associates,
Engineers



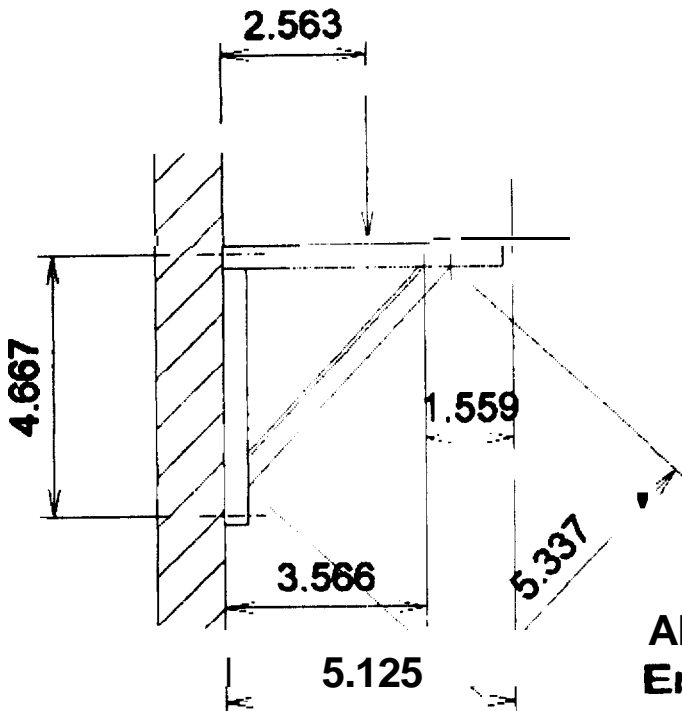
Alexander Hutcheon, P.E.
President



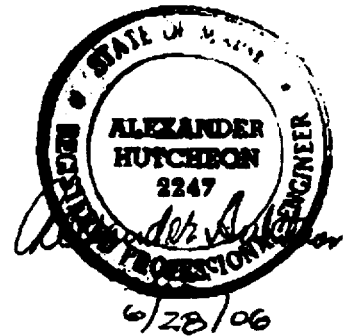
Enclosures: Calculation sheets 1 and 2, dated 6/28/06
Sketch: "Existing Platform Support for new A/C
Condenser," dated 6/26/06



PLAN AT PLATFORM



SECTION A - A



**EXISTING PLATFORM SUPPORT
FOR NEW A/C CONDENSER**

**GRANNIES BURRITOS
420 FORE STREET
PORTLAND, ME.**

**ALEXANDER HUTCHEON Associates,
Engineers**

**49 Falmouth Road Falmouth, Me. 04105
june 28, 2006 (207)781-3364**

GRANNIES BURZIS ONE, 420 Fore St., FELD.

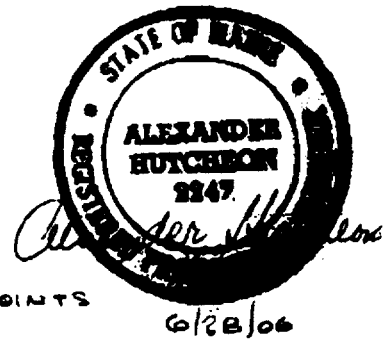
CAPACITY OF EXISTING BALCONY WITH

NEW A.C. UNIT

JUNE 28, 2006

SHT. 1 of 2

UNIT: Carrier FK4D005000
 Size: 167 lbs
 21 1/8" x 22 1/8"
 Condenser: 38TDPB04B-3
 Shipping Wgt: 271 lbs



BRACKETS: ANGLES 5 x 3 x 1/4, WELDED AT JOINTS

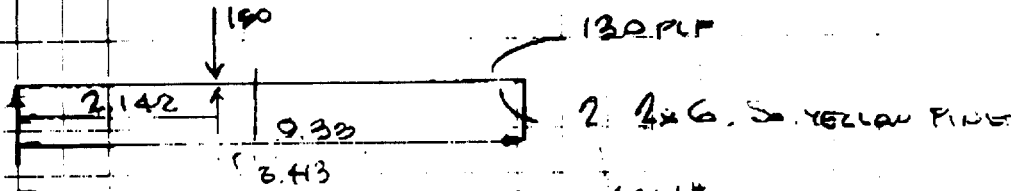
DEAD LOAD: ROOFING 1 x 6 1.0
 2 x 6 @ 12 2.0 PLF
 3.0 PLF

RAILING 2 x 6 2.0 PLF 2.0
 BALLUSTERS 5 x 2 1/2 x 3 5.5
 2 x 4 2 @ 1.3 2.6
 10.1 PLF

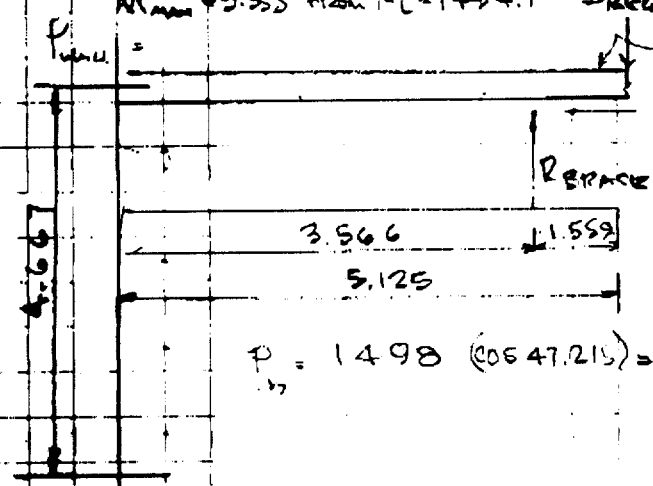
D.L. 5(.5)(3.0) + 10.1 + 4 = 21.88 SAY 22 PLF

S.L. 5(.125)(.2)(42) = 107.6 SAY 108

T.L. = 22 + 108 = 130 PLF



$R_L = 222.2$ $R_D = 64.1^k$
 Max $M = 5.555$ from $R_L = 1494.1$ $SREQ'D = 1494.1(12)(1955) = 9.17 \times 10^3$ $S = 2(3.523) = 15.13 \text{ in}^3$
 $P_{beam} =$ $DL = 10.1 + 6.6 = 16.7 \text{ PLF}$



$P_{BRACE} = \frac{722.2(5.125) + (6.7(5.125)^2)(.5)}{3.566} = 1099.4^k$
 $\theta_{BRACE} = \theta = 47^\circ 12' = 47.215^\circ$
 $P = 1099.4 / (\sin 47.215) = 1498^k$
 $L = 5337 = 4.04'$
 $\Gamma_{min} = 0.861$
 $L/\Gamma = 64.04 / 0.861 = 74.38$
 $P = 17000 - 0.485 \left(\frac{L}{\Gamma}\right)^2$

TOP BOLT $T = 1017.5^k$ ALLOWABLE $P = 17000 - 0.485 \left(\frac{64.04}{0.861}\right)^2 = 14317^k$
 $T/A = 1017.5 / \pi(6)^2(25) = 5182.2 \text{ psi}$
 $f_y = 280.9 / 1.96 = 1433 \text{ psi}$
 $CS1 = \frac{5182.2}{20} + \frac{1433}{10} = 0.259 + 0.1433 = 0.402 < 1.0 \text{ OK}$

GRANNIE'S FURZITOS

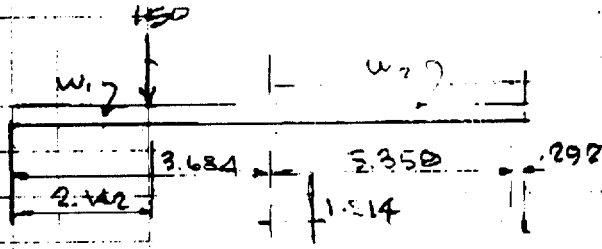
ALEXANDER HUTCHEON ASSOCIATED ENGINEERS

JUNE 28, 2006 SET. 2 OF 2

BEARING ON BRICK

$P = 1097.5 / .5(8) = 265.9 \text{ PSI}$
 ALLOWABLE BEARING = 350 PSI

CHECK LIVE LOAD REACTIONS



$W_1 = 22 \text{ PLF} \quad 241.7$
 $W_2 = 22 + 100(4.833)(.5) = 263.7 \text{ PLF}$

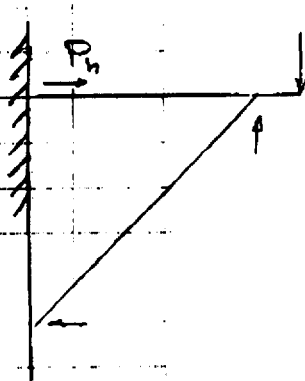
$R_L = 630.3^*$ $R_R = 1020.0$

$M_{MAX} @ 3.684 + 1.514 \text{ OR } 5.198 \text{ FROM } R_L = 2243.9 \text{ FT}^*$

SO. YELLOW PINE, #1 ; $F_b = (700)(1.15) = 1955 \text{ PSI}$

$S_{REQ'D} = 2243.9(12) / 1955 = 13.77 \text{ IN}^3$ $S_{PROV} = 2(7.563) = 15.13 \text{ IN}^3 \text{ OK}$

BRACE LOAD AT $R_L = 630.3 < 722.2 \text{ w. S.L.}$



$R_{BRACE} = 1020(5.125) + 16.7(5.125)^2(.5) / 3.566 = 1527.4^*$

$F_{BRACE} = 1527.4 / \sin 47.215 = 2081.2^* < 14,317^* \text{ CAPY.}$

$P_h = 2081.2 \cos 47.215 = 1413.7^*$

$T/A = (1413.7 / \pi(.5)^2(20)) = 7,199.7 \text{ PSI}$

$R_{WALL} = \frac{16.7(3.566)^2(.5) - 1020(1.559) - 16.7(1.559)^2(.5)}{3.566} = -446.9^*$

$f_v = 446.9 / .196 = 2280 \text{ PSI}$

CSI: $7199.7 / 20 + 2280 / 10,000 = 0.3599 + 0.228 = 0.588 < 1.0$

BEARING ON BRICK: $f_b = 1527.4 / 2(.5)(8) = 190.9 < 350 \text{ PSI OK}$

UPPER & LOWER ACTING

ALEXANDER HUTCHEON Associates
Engineers

49 Falmouth Road
Falmouth, Maine 04105
Telephone (207)781-3364
Fax (207) 781-3364
Cell (207)233-7662

Date: JUNE 22, 2000 Time: 8:30 A M

To: MIKE
AVIATION SERVICES

Fax No. 874-0932

Re: GRANNIE'S BURRITOS

3 pages are being telecopied, including this cover page.
Please notify us if you do not receive all pages.

NOTES:

THIS LETTER WILL BE DELIVERED TO OFFICE
THIS MORNING.

ALEXANDER HUTCHEON Associates,
Engineers

By: Alexander

Grawny's Burrito
420 Fore St Portland me

of _____

Floor _____

Date _____

Duct Layout

(See System Layout for Equipment Locations)

