

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8700

7. 874-8716
~~1028~~

Location of Construction: 144 Glenwood Ave		Owner: Flaherty, Edward & Debora		Phone:	
Owner Address: SAA Ptd, ME 04103		Lessee/Buyer's Name:		Phone:	
Contractor Name: American Profiles		Address: 20 Blaine St Manchester, NH 03102		Phone: 800-639-1944	
Past Use: 1-fam		Proposed Use: Same		COST OF WORK: \$ 12,830.00 PERMIT FEE: \$ 85.00 FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied INSPECTION: Use Group: Type: Signature: Signature:	
Proposed Project Description: Construct Sunroom (12 x 18)		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied Signature: Date:			
Permit Taken By: Mary Gresik		Date Applied For: 16 September 1997			

Permit No: ~~1028~~

PERMIT ISSUED

SEP 24 1997

CITY OF PORTLAND

Zone: *RS* CBL: 131-F-026

Zoning Approval: *OK 9/23/97*

Special Zone or Reviews:

Shoreland
 Wetland
 Flood Zone
 Subdivision
 Site Plan maj minor mm

- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Zoning Appeal

Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved
 Denied

Historic Preservation

Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:

Approved
 Approved with Conditions
 Denied

Date: 9/17/97

DA

PERMIT ISSUED WITH REQUIREMENTS

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 provisions of the code(s) applicable to such permit

Lee Stephens
 SIGNATURE OF APPLICANT Lee Stephens ADDRESS: _____ DATE: 16 September 1997 PHONE: _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ PHONE: _____

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

CEO DISTRICT 6

M. Leary

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

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Lee Stephens 16 September 1997
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RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ PHONE: _____

PERMIT ISSUED WITH REQUIREMENT

CEO DISTRICT 6

COMMENTS

10-7-97 Sunroom was put on top of existing deck

Inspection Record

Type	Date
Foundation: _____	_____
Framing: _____	_____
Plumbing: _____	_____
Final: _____	_____
Other: _____	_____

BUILDING PERMIT REPORT

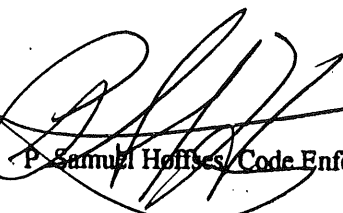
DATE: 23 / sept / 97 ADDRESS: 144 Glenwood Ave
 REASON FOR PERMIT: To Construct Sunroom (12x18)
 BUILDING OWNER: Flabarty, Edward & Debra
 CONTRACTOR: American Profiles
 PERMIT APPLICANT: Lee Stephens APPROVAL: *1, *2, *26, 11 ~~DENIED~~
 USE GROUP R-3 (U) BOCA 1996 CONSTRUCTION TYPE 5B

CONDITION(S) OF APPROVAL

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection)
3. Precaution must be taken to protect concrete from freezing.
4. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
5. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of ½ inch gypsum board or the equivalent applied to the garage means of ½ inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996)
6. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993) U.L. 103.
7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
8. Guardrail & Handrails A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A, B, H-4, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect.
9. Headroom in habitable space is a minimum of 7'6".
10. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread. 7" maximum rise.
11. The minimum headroom in all parts of a stairway shall not be less than 80 inches.
12. Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft.
13. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units.
14. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closer's.
15. The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by providing automatic extinguishment.
16. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 19, 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements

In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required)

- 17. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type.
- 18. The Fire Alarm System shall be maintained to NFPA #72 Standard.
- 19. The Sprinkler System shall maintained to NFPA #13 Standard.
- 20. All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)
- 21. No construction or demolition work shall begin until you have obtained permits for dumpsters or containers. A work Stop Order shall be issued if this requirement is not met.
- 22. Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
- 23. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
- 24. This permit does not excuse the applicant from obtaining any license which may be needed from the City Clerk's office.
- 25. Ventilation shall meet the requirements of Chapter 12 Sections 1210. of the City's Building Code.
- 26. All electrical and plumbing permits must be obtained by a Master Licensed holders of their trade.
- 27. All requirements must be met before a final Certificate of Occupancy is issued.
- 28. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code. (The BOCA National Building Code/1996).
- 29. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical Code (The BOCA National Mechanical Code/1993).
- 30. _____
- 31. _____
- 32. _____
- 33. _____
- 34. _____



P. Samuel Hoffes, Code Enforcement

cc: Lt. McDougall, PFD
Marge Schmuckal

Applicant: Lee Stephens
Address: 144 Glenwood Ave

Date: 9/23/97
C-B-L: 131-F-26

CHECK-LIST AGAINST ZONING ORDINANCE

Date - Existing 1955

Zone Location - R-5

Interior or corner lot -

Proposed Use/Work - proposed 12' x 18' Sunroom

Sewage Disposal - City

Lot Street Frontage -

Front Yard -

Rear Yard -

Side Yard -

Projections -

Width of Lot -

Height -

Lot Area -

Lot Coverage/ Impervious Surface - 40%

Area per Family -

Off-street Parking -

Loading Bays -

Site Plan -

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - N/A

6,825 sq ft shown

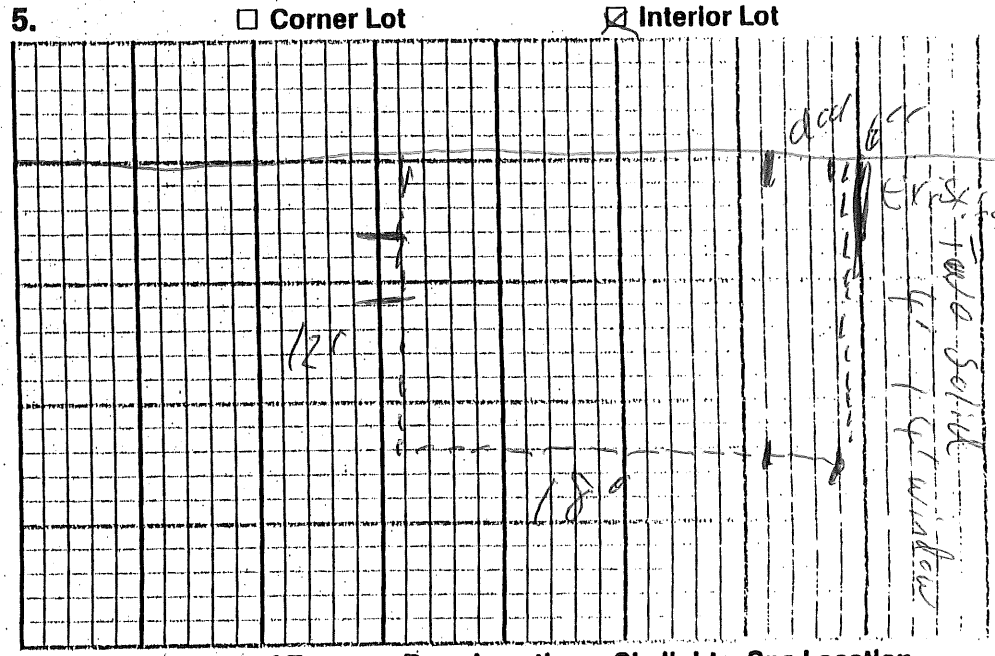
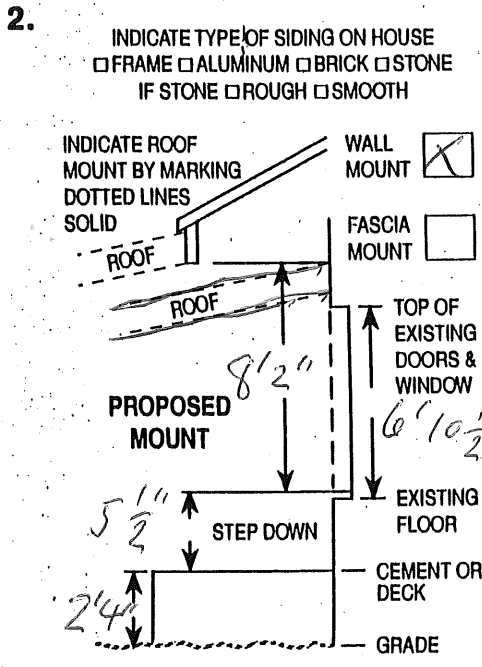
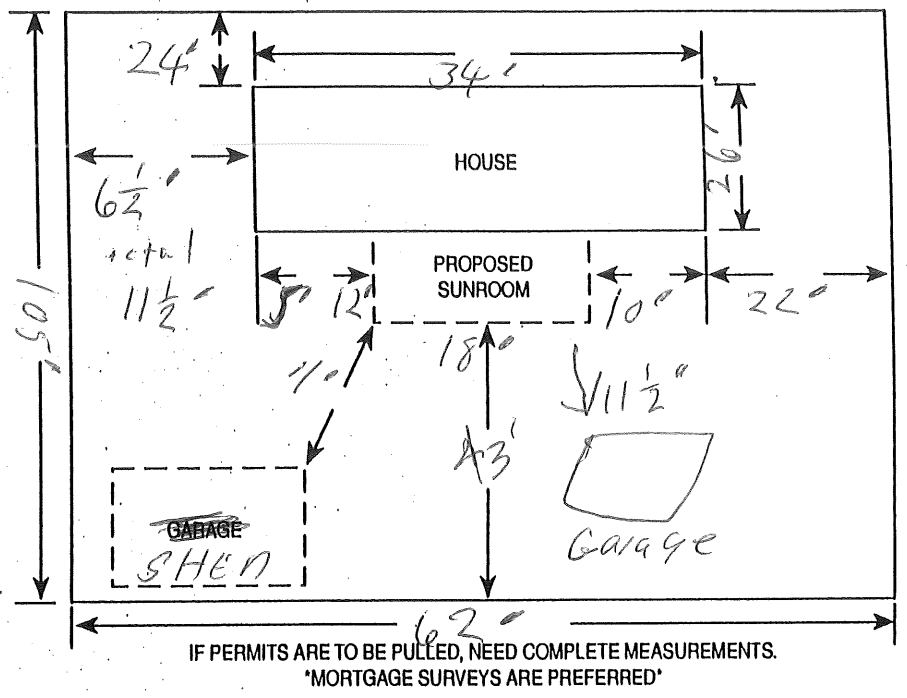
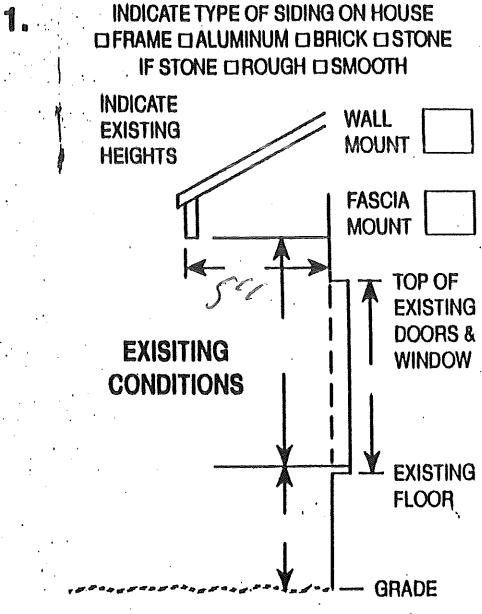
2730 sq ft

garage? 20 x 20 = 400
26 x 32 = 832

12 x 18 = 192

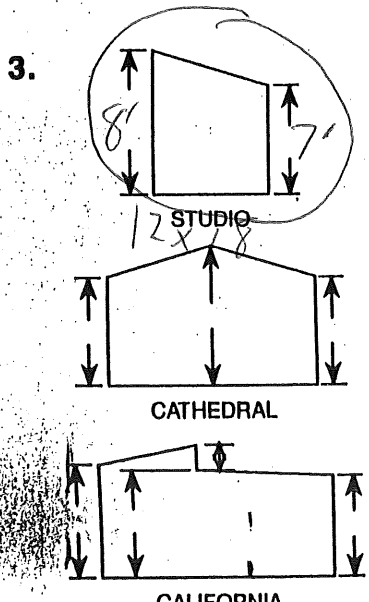
1424 sq ft

OK



Draw Layout of Room — Door Locations, Skylights, Spa Location

- Locate breakthrough and size
- Identify interior room being enclosed
- Dimension existing slabs, sidewalks and steps
- Locate existing pool



6. SURVEY CHECKLIST

- Mortgage survey
- Existing footings
- Necessary photos for access into rear yard
- Photo of electric panel and meter
- Steps by:
 - Homeowner
 - Tony V's

EXISTING CONDITIONS:

- Overhead lines
- H2O Spicket
- Dryer Vent
- A/C
- Septic Lines
- Lights
- Tree
- Sprinkler lines
- BBQ
- Cable
- Phone
- Existing Home Slab Crawl Basement

What condition is existing roof on home? _____

- Overhead meter
- Underground meter
- Move required



2402 Daniels Street, Madison, WI 53704 • Ph: 608/221-3361 • Fax: 608/221-2084



June 4, 1993

Quality Assurance Council:

Ernest E. Cabelus
Vice President NCSBCS

William L. Kralj, P.E.
Vice President BOCA

Gerald P. Marx, P.E.
Safety and Buildings Division
U.S. Dept. of Industry, Labor
and Human Relations

David Morrison
Vice President Wausau Insurance

David Starostovic, P.E., Ex Officio
Vice President PFS & TECO

To Whom It May Concern:

This is to inform you that PFS Corporation (third party agency) has been retained by Temo, Inc. of Clinton Township, Michigan, for the purpose of auditing a Quality Control Program and to perform inspections on production of their Component Foam Core Panels.

PFS certifies that the plans, specifications and quality control manual of Temo, Inc. comply with the state rules and regulations and the codes contained therein.

PFS inspects the manufacturing facility and its production with such frequency and as thoroughly as necessary to verify that the Temo, Inc. production process quality control program is in compliance with current state regulations.

Temo, Inc. has completed all the necessary testing requirements with PFS for a NER.

The presence of the PFS trademark on the panel is your assurance that PFS oversees production of the panels as described above.

PFS Corporation offers unique professional service to manufacturers, regulatory agencies and consumers. As a third-party agency, we do plan review, design, consulting, inplant inspections, testing and certify a wide variety of products, including manufactured panels.

PFS is formally recognized by many agencies across the nation and worldwide. Our Council of American Building Officials (CABO) approval number is NER-251. We are also recognized by BOCA, ICBO and HUD, as well as many state and municipal agencies in the United States.

If you have any questions or I can be further assistance, please feel free to contact me at any time.

Sincerely,

Ronald H. Reindl, A.I.A.
Vice President-Midwest Region

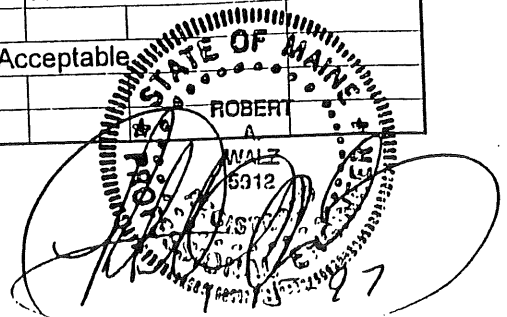
d5A-pb

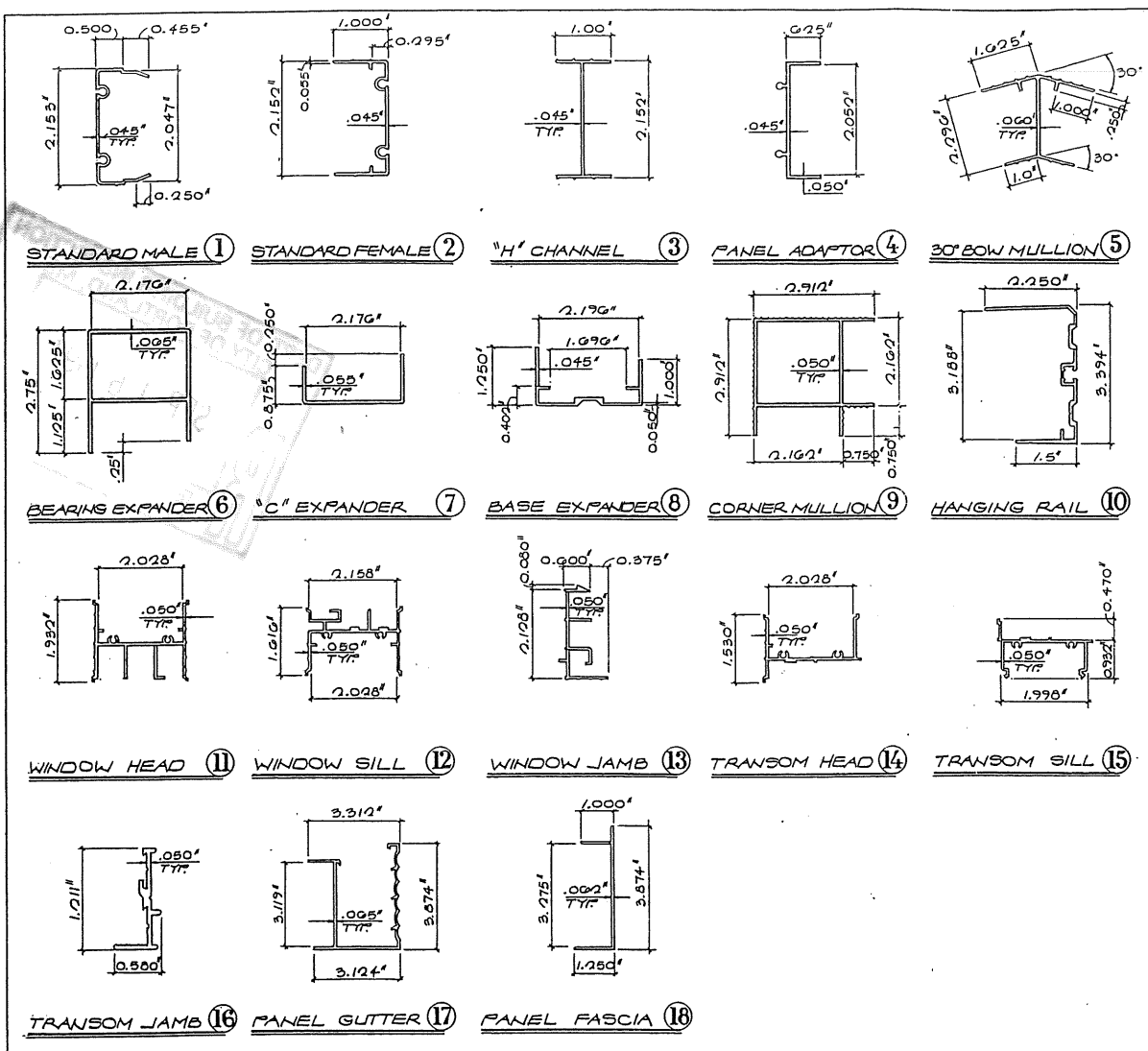
cc: Vince Cataldo (Temo, Inc.)

Providing Quality Control,
Testing, Inspection and
Certification Services to
the Building Industry

ROOF SPAN CALCULATIONS

A	SPAN (feet)	10		
B	LOADING CONDITIONS			
	LIVE LOAD (psf)	42		
	DEAD LOAD (psf)	2		
	TOTAL LOAD (psf)	44		
C	MATERIAL SPECIFICATIONS			
	FOAM CORE THICKNESS (inches)	4.25		
	FOAM CORE DENSITY (pcf)	2		
	E_c (psi)	480		
	F_v (psi)	35		
	G_c (psi)	620		
	ALUMINUM THICKNESS (inches)	0.032		
	E (psi)	10,100,000		
D	SECTION PROPERTIES			
	C (inches)	4.25		
	T_1 (inches)	0.032		
	T_2 (inches)	0.032		
	H (inches)	4.314		
	A_1 (square inches)	0.384		
	A_2 (square inches)	0.384		
E	ALUMINUM WORKING STRESS (psi)	11,818		
F	Y (inches)	2.157		
	I (square inches)	3.52		
	S (cubic inches)	1.63		
G	BENDING STRESS - PSI $F_b = 1.5WLL/S$	4,043.9	IS LESS THAN	11,818
		Bending Stress is Acceptable		
H	SHEAR STRESS - PSI $F_v = WL/(H+C)12$	4.3	IS LESS THAN	35
		Shear Stress is Acceptable		
I	SKIN BUCKLING STRESS - PSI $C_{cr} = 0.5(\text{cube root})(E)(E_c)(G_c)$	7,147.1	IS GREATER THAN	4,043.9
		Skin Buckling Stress is Acceptable		
J	ALLOWABLE DEFLECTION (inches) $DEF = L/120$	1.00		
K	ACTUAL DEFLECTION $DEF = 5WLLLL(1728)/384EI + WLL/4(H+C)G_c$	0.49	IS LESS THAN	1.00
		Deflection is Acceptable		





GENERAL NOTES & SPECIFICATIONS

- THIS PATIO COVER & ENCLOSURE SYSTEM IS LIMITED TO RECREATION AND OUTDOOR LIVING PURPOSES AND IS NOT TO BE USED AS A CARPORT, GARAGE, OR HABITABLE ROOM.
- THIS ENCLOSURE SYSTEM IS TO BE INSTALLED UNDER THE PATIO COVER ROOF PANEL SHOWN ON DRAWING NO. 3501.
- DESIGN LOADS: SEE TABLES FOR DESIGN LOADS.
- FASTENERS: "POP" RIVETS, WHERE SHOWN, SHALL BE 500G ALUMINUM RIVET WITH CARBON STEEL FLATED MANDREL AS MANUFACTURED BY THE U.S.M. CORP. SHEET METAL SCREWS SHALL BE SIZES SHOWN AND SHALL BE STAINLESS STEEL, ZINC FLATED, GALVANIZED STEEL OR 2024-T4 ALUMINUM.
- ALL STRUCTURAL COMPONENTS OF THIS ENCLOSURE SYSTEM (EXCEPT SOLID PANELS) ARE OF ALDLY FTEMPER 6063-T6 UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE SOLID WALL PANELS SHOWN SHALL COMPLY WITH A CURRENTLY RECOGNIZED I.C.B.O EVALUATION SERVICE INC. REPORT ALL EXTERIOR PORTIONS OF THE SOLID WALL PANEL WHICH ARE SUBJECT TO WATER INTRUSION SHALL BE FULLY CALKED.
- WHERE ENCLOSURE IS REQUIRED TO BE LEFT OPEN PER SECTION 3110 THE OPEN AREA OF THE LONGER WALL AND ONE ADDITIONAL WALL SHALL BE A MINIMUM OF 65 PERCENT OF THE AREA BELOW A MINIMUM OF 6 FEET 6 INCHES OF EACH WALL, MEASURED FROM THE FLOOR. (* OPEN IS DEFINED AS INSECT SCREENING AND/OR READILY REMOVABLE TRANSPARENT OR TRANSLUCENT PLASTIC NOT MORE THAN 1/8 OF AN INCH IN THICKNESS. SEE NOTE #8 BELOW FOR OPTIONAL GLAZING.
- PORTIONS OF THE WALL NOT REQUIRED TO BE PLASTIC* (SEE NOTE #7 ABOVE) MAY BE GLASS THAT COMPLIES WITH CHAPTER 24 OF THE UNIFORM BUILDING CODE, WHEN APPROVED BY THE BUILDING OFFICIAL, GLASS COMPLYING WITH CHAPTER 24 OF THE CODE MAY BE SUBSTITUTED FOR THE PLASTIC INDICATED IN NOTE #7, AS PERMITTED BY SECT 104.2.8 OF THE CODE FOR EQUIVALENT MATERIALS OF CONSTRUCTION. (* SEE NOTE #13)
- EACH PATIO COVER & ENCLOSURE SYSTEM SHALL HAVE PERMANENTLY AFFIXED, AN IDENTIFICATION TAG GIVING THE NAME & ADDRESS OF THE MANUFACTURER, DESIGN LOADS, AND I.C.B.O. E.S. REPORT NO.
- THE BEARING SYSTEM MULLIONS HAVE BEEN DESIGNED FOR LOAD COMBINATIONS REQUIRED BY CHAPTER 16 OF THE UNIFORM BUILDING CODE.
- ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED PER U.B.C. SECTION 2011.6.2.
- EXPANSION ANCHORS SHALL BE "RAWL-STUD" ANCHORS OR EQUIVALENT PER I.C.B.O EVALUATION REPORT NO.58. 1/4" Ø ANCHORS SHALL HAVE A MINIMUM TENSION VALUE (IN CONCRETE) OF 300 POUNDS. THE 3/8" Ø ANCHORS SHALL HAVE A MINIMUM TENSION VALUE (IN CONCRETE) OF 400 POUNDS.
- TEMPERED GLASS WITH A THICKNESS NOT TO EXCEED .125 INCHES IS AN ACCEPTABLE* ALTERNATE TO PLASTIC INDICATED IN NOTE #7. ALL TEMPERED GLASS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 24 OF THE U.B.C. (* I.C.B.O EVALUATION SERVICE, INC. ACCEPTABLE).

LICENSED PROFESSIONAL ARCHITECT
 MICHIGAN COUNCIL OF ARCHITECTS
 1900 254415
 1900 254415

ASTOR VANCE ASSOCIATES
 ARCHITECTS
 1900 254415

Temo inc.
 20400 HALL ROAD • CLINTON TOWNSHIP • MICHIGAN 48038
 810-288-0410 • 1-800-344-6398 FAX: 810-226-8409

ENCLOSURE SYSTEM PARTS DETAILS & NOTES

DATE: 1995
 APRIL
 LGS NO:
 0-35
 DRAWN BY:
 T. PANNA
 DWG. NO.
 3500
 1 OF 3