

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

**CITY OF PORTLAND**

BUILDING DEPARTMENT

**PERMIT**

Permit Number: 090956

Please Read Application And Notes, If Any, Attached

This is to certify that Guevin Edward J Vn Vet & Walter Green

has permission to Build new 14' x 12'8" Solarium

AT 93 Regan Ln

Call 348-C076001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine 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 written permission procured before this building or part thereof is lath or other work is set-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

*Thomas M. MacLean* 9/9/09  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

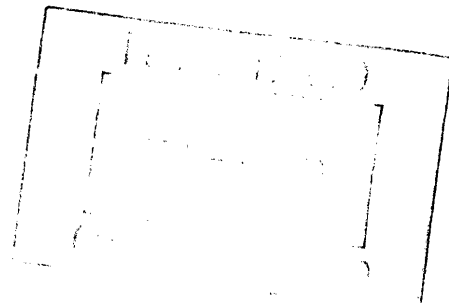
**City of Portland, Maine - Building or Use Permit Application**  
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 09-0956	Issue Date:	CBL: 348 C076001
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Location of Construction: 93 Regan Ln	Owner Name: Guevin Edward J Vn Vet &	Owner Address: 93 Regan Ln	Phone: 207-797-7059
Business Name:	Contractor Name: Winter Green Solariums	Contractor Address: 536 Riverside Street Portland	Phone: 2077973778
Lessee/Buyer's Name	Phone:	Permit Type: Additions - Dwellings	Zone: R-3

Past Use: Single Family	Proposed Use: Single Family / Build new 14' x 12'8" Solarium	Permit Fee: \$680.00	Cost of Work: \$65,273.00	CEO District: 5	73364
Proposed Project Description: Build new 14' x 12'8" Solarium		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R3 Type: SB IRC 2003 Signature: Jm 9/9/09		
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____			

Permit Taken By: gg	Date Applied For: 08/31/2009	<b>Zoning Approval</b>		
1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 3. 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..		<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: 9/1/09	<b>Zoning Appeal</b> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date:



**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

**BUILDING PERMIT INSPECTION PROCEDURES**

**Please call 874-8703 or 874-8693 (ONLY)**

**to schedule your inspections as agreed upon**

**Permits expire in 6 months, if the project is not started or ceases for 6 months.**

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

**By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.**

**A Pre-construction Meeting will take place upon receipt of your building permit.**

- Footing/Building Location Inspection: Prior to pouring concrete or setting precast piers**
- Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling**
- Final inspection required at completion of work.**

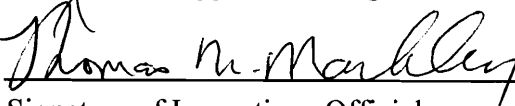
Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

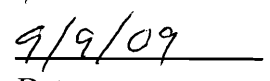
**If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

**CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.**

  
\_\_\_\_\_  
Signature of Applicant/Designee

  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Signature of Inspections Official

  
\_\_\_\_\_  
Date



# General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>93 Regan Ln. Portland, Me. 04103</u>		
Total Square Footage of Proposed Structure <u>180 sq ft.</u>	Square Footage of Lot <u>7,275 sq ft</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>348</u> Block# <u>C</u> Lot# <u>076</u>	Owner: <u>Edward + Phyllis Guerin</u>	Telephone: <u>797-7059</u>
Lessee/Buyer's Name (If Applicable) <u>93 Regan Ln.</u>	Applicant name, address & telephone: <u>SAME</u>	Cost Of Work: \$ <u>6,523.00</u> Fee: \$ _____ C of O Fee: <u>680.00</u>
Current legal use (i.e. single family) <u>SINGLE FAMILY</u> If vacant, what was the previous use? _____ Proposed Specific use: <u>Sunroom addition</u> Is property part of a subdivision? <u>NO</u> If yes, please name _____ Project description: <u>See Drawing 3 14' X 12' 8" Sunroom</u>		
Contractor's name, address & telephone: Who should we contact when the permit is ready: <u>Wintergreen Solutions</u> Mailing address: <u>536 Riverside St. Portland, Me 04103</u> Phone: <u>207-797-3778</u>		

Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

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

Signature of applicant: Edward J. Guerin Date: 8/31/09

This is not a permit; you may not commence ANY work until the permit is issued.

This page contains a detailed description of the Parcel ID you selected. Press the **New Search** button at the bottom of the screen to submit a new query.

**Current Owner Information**

<b>Card Number</b>	1 of 1
<b>Parcel ID</b>	348 C076001
<b>Location</b>	93 REGAN LN
<b>Land Use</b>	SINGLE FAMILY
<b>Owner Address</b>	GUEVIN EDWARD J VN VET & PHYLLIS A JTS 93 REGAN LN PORTLAND ME 04103
<b>Book/Page</b>	
<b>Legal</b>	348-C-76 REGAN LN 93  7336 SF

**Current Assessed Valuation**

<b>Land</b>	<b>Building</b>	<b>Total</b>
\$66,800	\$150,800	\$217,600

**Property Information**

<b>Year Built</b>	<b>Style</b>	<b>Story Height</b>	<b>Sq. Ft.</b>	<b>Total Acres</b>	
1983	Garrison	2	1372	0.168	
<b>Bedrooms</b>	<b>Full Baths</b>	<b>Half Baths</b>	<b>Total Rooms</b>	<b>Attic</b>	<b>Basement</b>
3	1	1	6	None	Full

**Outbuildings**

<b>Type</b>	<b>Quantity</b>	<b>Year Built</b>	<b>Size</b>	<b>Grade</b>	<b>Condition</b>
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**Sales Information**

<b>Date</b>	<b>Type</b>	<b>Price</b>	<b>Book/Page</b>
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**Picture and Sketch**

<b>Picture</b>	<b>Sketch</b>	<b>Tax Map</b>
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[Click here to view Tax Roll Information.](#)

Any information concerning tax payments should be directed to the Treasury office at 874-8490 or e-mailed.

**New Search!**

**City of Portland, Maine - Building or Use Permit**

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

<b>Permit No:</b> 09-0956	<b>Date Applied For:</b> 08/31/2009	<b>CBL:</b> 348 C076001
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<b>Location of Construction:</b> 93 Regan Ln	<b>Owner Name:</b> Guevin Edward J Vn Vet &	<b>Owner Address:</b> 93 Regan Ln	<b>Phone:</b> 207-797-7059
<b>Business Name:</b>	<b>Contractor Name:</b> Winter Green Solariums	<b>Contractor Address:</b> 536 Riverside Street Portland	<b>Phone:</b> (207) 797-3778
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Additions - Dwellings	

<b>Proposed Use:</b> Single Family / Build new 14' x 12'8" Solarium	<b>Proposed Project Description:</b> Build new 14' x 12'8" Solarium
--	--

**Dept:** Zoning      **Status:** Approved with Conditions      **Reviewer:** Marge Schmuckal      **Approval Date:** 09/01/2009  
**Note:** **Ok to Issue:**

- 1) Separate permits shall be required for future decks, sheds, pools, and/or garages.
- 2) This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. Without special approvals.
- 3) This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.
- 4) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Tom Markley      **Approval Date:** 09/09/2009  
**Note:** **Ok to Issue:**

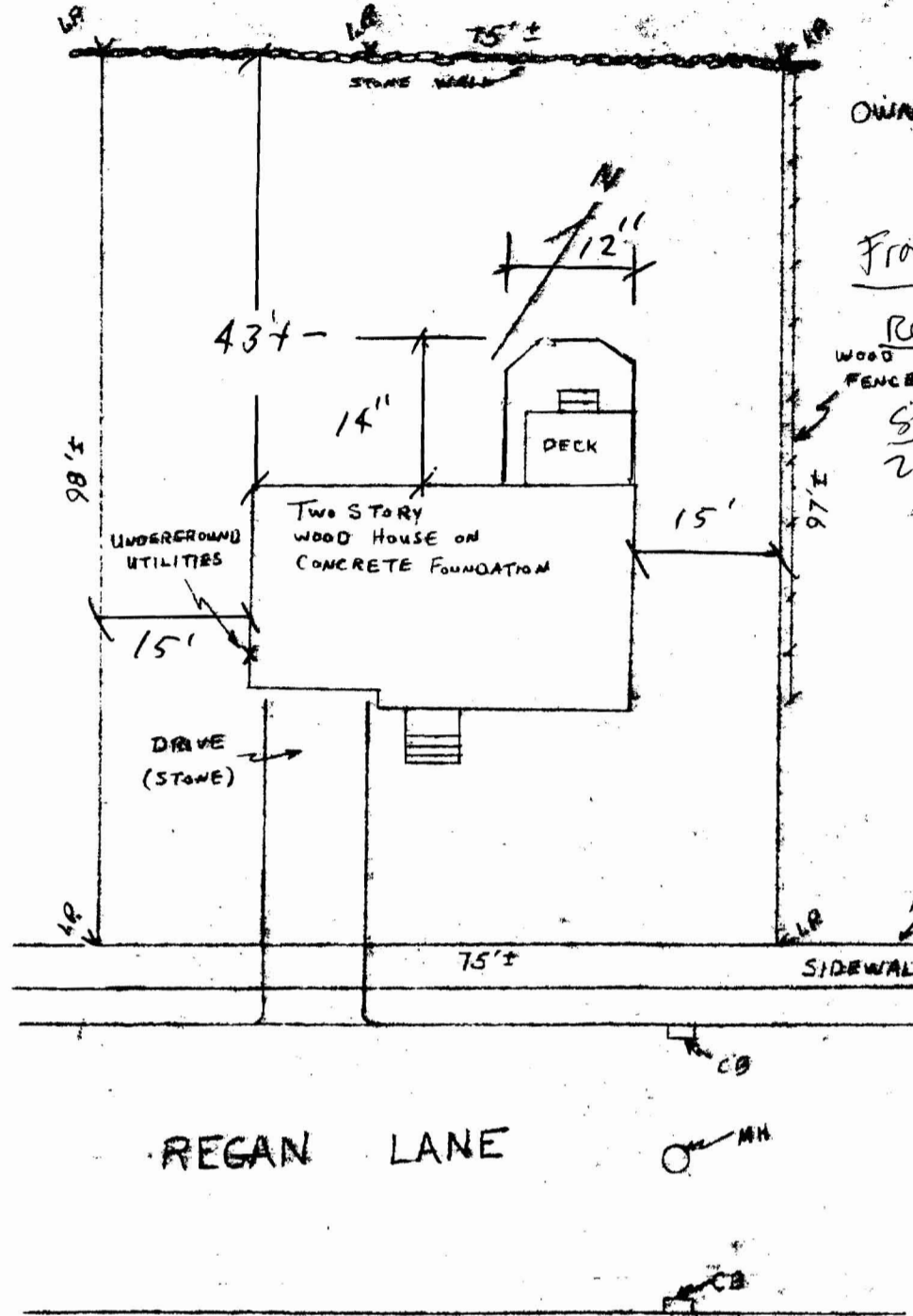
- 1) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm or HVAC or exhaust systems. Separate plans may need to be submitted for approval as a part of this process.
- 2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.

MORTGAGE LOAN INSPECTION PLAN

93 REGAN LANE No. 187-71R  
"NORTHWOOD"  
PORTLAND, MAINE

TO THE LENDING INSTITUTION AND ITS TITLE INSURER:  
I hereby certify that the location of the dwelling shown  
on this plan is in accordance with the zoning laws  
in effect at the time of construction. The property  
does not fall within a special flood hazard zone.  
BOOK \_\_\_\_\_ PAGE \_\_\_\_\_ COUNTY (Cumberland)

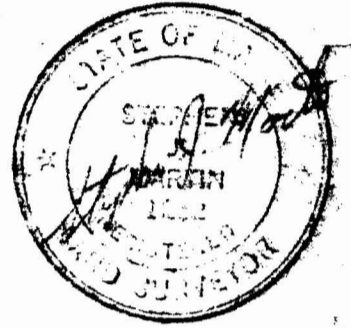
PLAN BOOK 136 PAGE 77 LOT 18



OWNER: EDWARD J. GUEVIN

R-3

Front: 25' min - N/A  
Rear: 25' min - 29' shown  
Sides - 14' min - 15' & 15' shown  
2 story



REGAN LANE

WASHINGTON AVENUE →

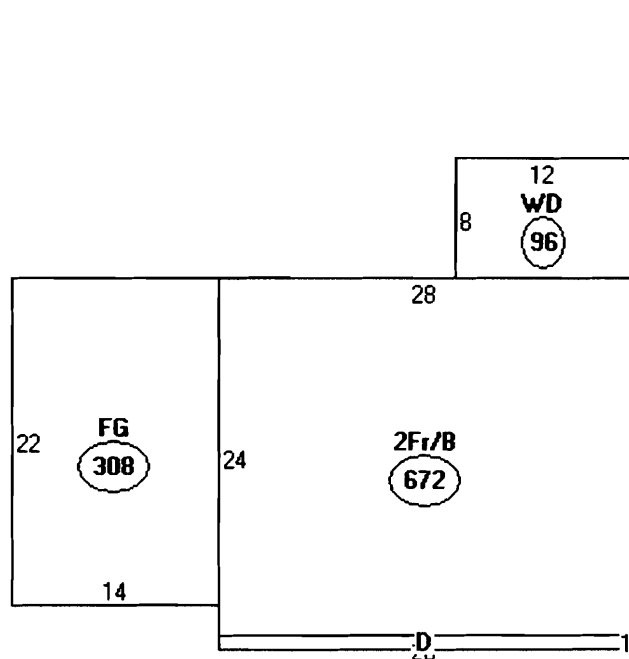
NOTE: DECK AND FRONT STEPS  
ADDED SINCE INSPECTION  
OF 3-5-83

THIS IS NOT A BOUNDARY SURVEY. This plan is based  
strictly on information provided by others and  
does not take into consideration any conflicts  
which abutting descriptions may contain.  
This plan was not made from an independent survey.  
The certifications are for mortgage purposes only.  
This plan applies only to conditions existing as of  
the date shown hereon. This plan is not for recording.

Date 2/21/88 Scale 1"=20'

R.P. THYCOMB ASSOCIATES, INC. Falmouth, Maine

JMM  
Drawn By JCB



Descriptor/Area

- A: 2Fr/B  
672 sqft
- B: FG  
308 sqft
- C: WD  
96 sqft
- D: FOH  
28 sqft

672  
308  
96  
28

1104 # exist  
168 12x14

R-3 Zone  
1272 #

$7336 \# \times 35\% = 2567.6 \#$  MAX

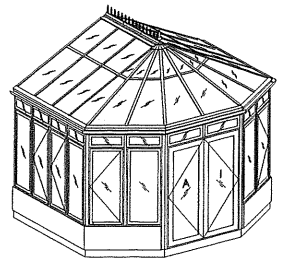


**ENGINEERING NOTE**

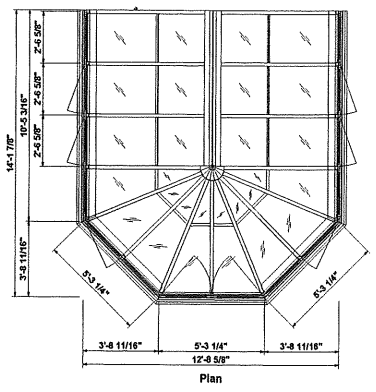
Four Seasons Solar Products LLC, is not responsible for the design of the connections of the room to the structure, or any associated foundations, which shall be designed by a Design Professional. The Design Professional is also required to take into account any additional design provisions required to satisfy snow drifting and wind loads or site specific structural concerns.

**MODEL : C8BT1314B**  
 Frame color FS\_White  
 V Glass code Code 74 MC56/Argon/Clear  
 R Glass code Code 78 MC16/Argon/Clear  
 Live load 35

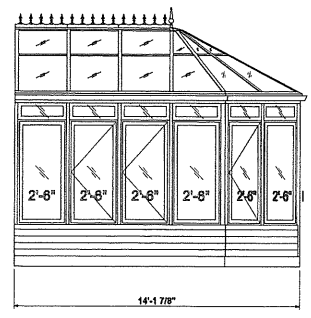
Account #, PO #:  
 This is a Custom unit and deviates from standard designs, engineering and/or product. This may result in higher costs, additional engineering and longer lead times. Consult with Product Manager or Custom Department for price quote and delivery information.



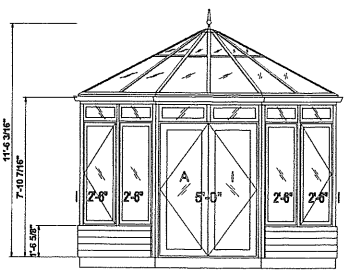
Axonometry



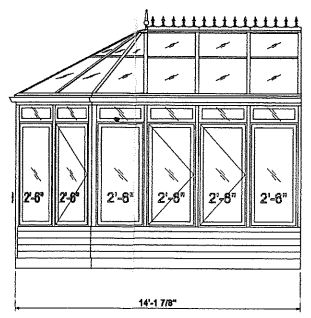
Plan



Left Elevation



Front Elevation







Right Elevation

File Name	iso_greenh_011110design
Sheet Number	1 of 1
Revision By:	
Revision Date:	
Revision #	
Project No.	
Date:	
Drawn By:	
Scale:	
Project Name	
Notes	

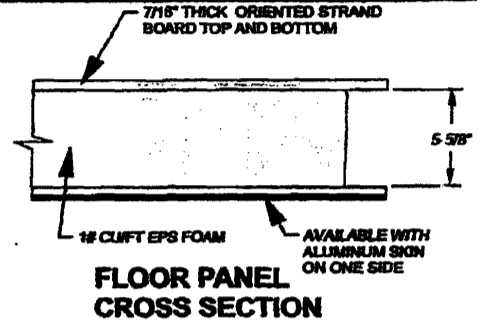
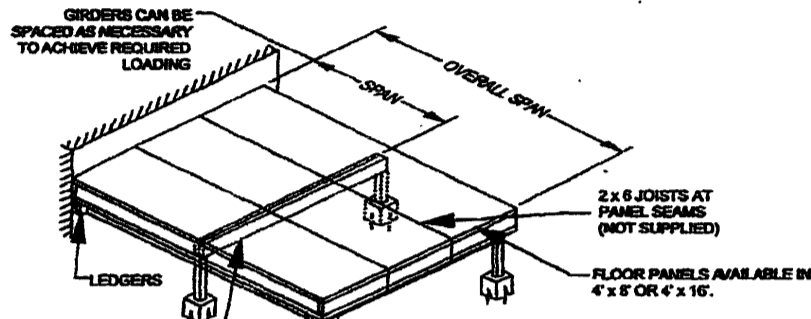
**F O U R S E A S O N S S O L A R P R O D U C T S L L C**

Account # \_\_\_\_\_  
 Purchase Order # \_\_\_\_\_  
 Customer Name \_\_\_\_\_  
 Customer Address \_\_\_\_\_  
 Customer Phone # \_\_\_\_\_

PANEL TYPE	SPAN	RECOMMENDED ALLOWABLE LIVE LOAD		MAXIMUM ALLOWABLE LIVE LOAD	
		DEFLECTION = L/600		DEFLECTION = L/360	
		PSF	KG/M <sup>2</sup>	PSF	KG/M <sup>2</sup>
<b>7/16" OSB</b> <b>5 5/8" EPS (1LB PER CU/FT)</b> <b>7/16" OSB</b>  NOTE: FOR HARD SURFACE FLOORING WE RECOMMEND PLYWOOD, OR WONDERBOARD, BE STAGGERED ON TOP OF OSB SURFACE USING GLUE AND SCREWS USE L/600 DEFLECTION LOAD VALUES	8 FT [ 2.44 M]	203	991	203	991
	7 FT [ 2.13 M]	159	776	174	849
	8 FT [ 2.44 M]	108	627	152	742
	9 FT [ 2.74 M]	76	371	130	635
	10 FT [ 3.05 M]	55	269	95	464
	11 FT [ 3.35 M]	41	200	71	347
	12 FT [ 3.66 M]	31	151	54	264
	13 FT [ 3.96 M]	24	117	42	205
	14 FT [ 4.27 M]	18	88	33	161
	15 FT [ 4.57 M]	14	68	27	132
	16 FT [ 4.88 M]	11	54	21	103



ORDER DELETED BY OTHER

LOCALLY ENGINEERED UNDER STRUCTURE AND GIRDERS

ALABAMA ARIZONA ARKANSAS CALIFORNIA COLORADO CONNECTICUT DELAWARE FLORIDA GEORGIA IDAHO ILLINOIS

IOWA KANSAS KENTUCKY LOUISIANA MAINE MARYLAND MASSACHUSETTS MICHIGAN MINNESOTA MISSISSIPPI MISSOURI

MONTANA NEBRASKA NEVADA NEW HAMPSHIRE NEW JERSEY NEW MEXICO NEW YORK NORTH CAROLINA NORTH DAKOTA OHIO OKLAHOMA

OREGON PENNSYLVANIA PUERTO RICO RHODE ISLAND SOUTH CAROLINA SOUTH DAKOTA

TENNESSEE TEXAS UTAH VERMONT VIRGINIA WASHINGTON

WEST VIRGINIA WISCONSIN WYOMING D.C.

**MATERIALS:**

**POLYSTYRENE CORE:**

- TENSILE STRENGTH = 15 - 20 psi.
- SHEAR = 15 - 22 psi.
- SHEAR MODULUS (G<sub>s</sub>) = 280 - 320 psi.
- MODULUS OF ELASTICITY = 180 - 220 psi.

**ORIENTED STRAND BOARD (OSB):**

- MODULUS OF RUPTURE = 644 psi.
- MODULUS OF ELASTICITY = 723810 psi.

**MOR-AD M-600 SERIES ADHESIVE:**

- TENSILE SHEAR BOND = 30 psi.

**NOTES:**

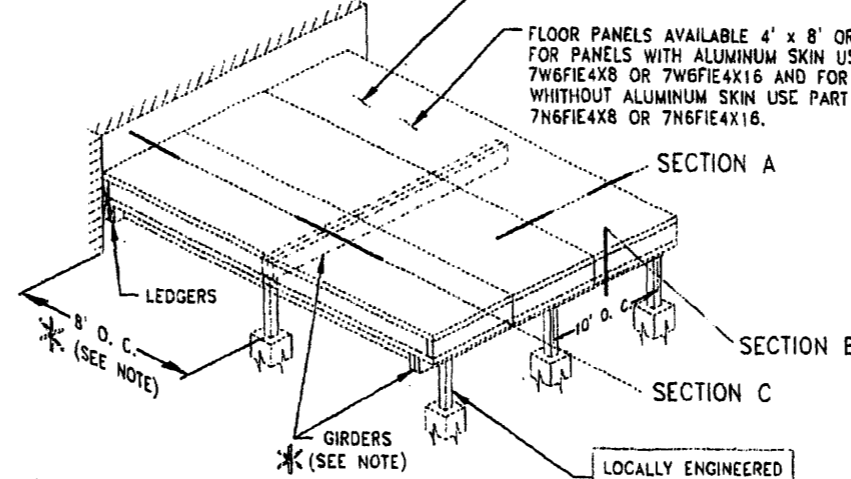
- 1) DEAD LOAD: 12.5 psf = PANEL CONSTRUCTION.
- 2) A LOCAL PROFESSIONAL ENGINEER SHOULD DETERMINE THE SITE SPECIFIC LOADING AND PERFORM ANY ADDITIONAL NECESSARY CALCULATIONS, WHICH MAY INCLUDE MINIMUM DESIGN LOADS REQUIRED BY LOCAL MUNICIPALITIES, OR ANY DRIFTING OR UNBALANCED SNOW LOADS PRODUCED BY ADJACENT STRUCTURES.
- 3) THIS SUMMARY PERTAINS TO THE STRUCTURAL INTEGRITY OF OUR UNIT UP TO THE CONNECTIONS TO THE EXISTING STRUCTURE AND/OR ANY NEW CONSTRUCTION. THE CONNECTIONS TO THE EXISTING AND/OR ANY NEW CONSTRUCTION MUST BE ANALYZED ACCORDING TO CONDITIONS SPECIFIC TO EACH JOB, BY A LOCAL PROFESSIONAL ENGINEER.
- 4) ENGINEERS CERTIFICATION: I LAWRENCE FISCHER CERTIFY THAT THESE ENGINEERING SPECIFICATIONS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATES SHOWN.

SMART DECK INSUL F. DEWMS.CDR

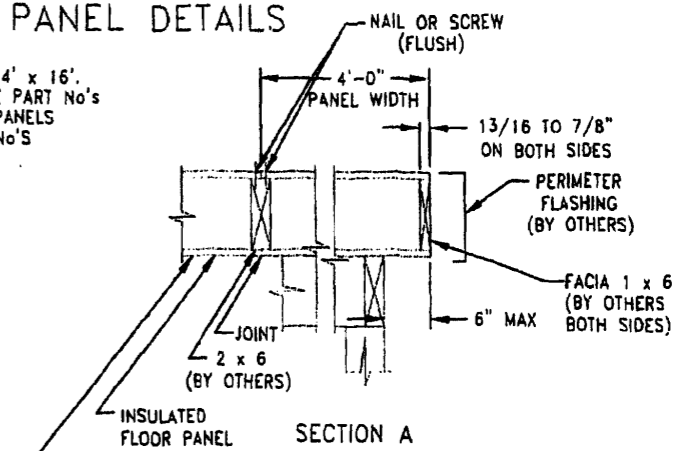
P148

DEAD LOADING OF FLOOR PANELS = 5 LBS SQ/FT.

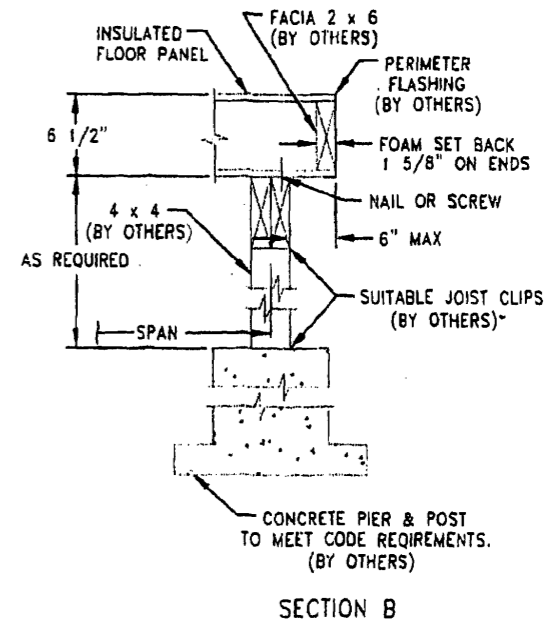
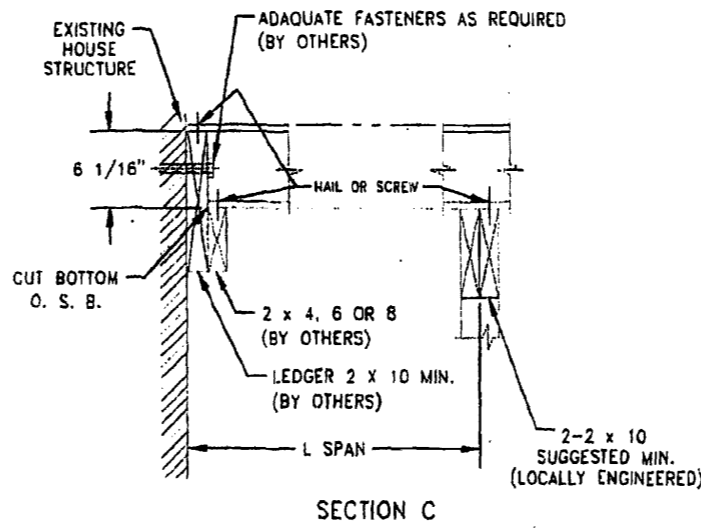
### INSULATED FLOOR PANEL DETAILS



\* NOTE: GIRDERS CAN BE SPACED AS NECESSARY TO ACHIEVE REQUIRED LOADING. (SEE LOAD CHART)



OPTIONAL ALUMINUM SKIN ON UNDER SIDE WHEN GROUND LEVEL IS CLOSER THAN 18" TO UNDER SIDE OF DECK OR CODES REQUIRE A PRESSURE TREATED UNDER STRUCTURE.



NOTE: FOR ROOF APPLICATIONS SEE DRAWING 4-21.

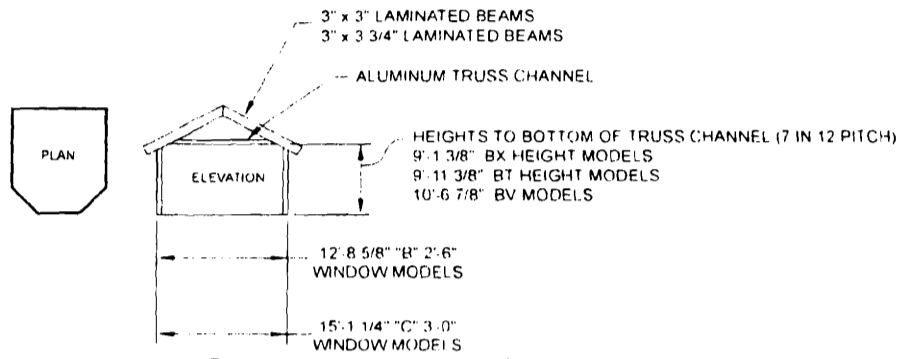


# SYSTEM 8 VICTORIAN CONSERVATORY ENGINEERING INFORMATION

5005 VETERANS MEMORIAL HWY.  
HOLBROOK N.Y. 11741

EFFECTIVE DATE 1-1

SYSTEM 8 VICTORIAN CONSERVATORY MODELS	TRUSS & GLAZING BAR O.C. SPACING	WOOD GLAZING BAR TYPE	ALLOWABLE ROOF LIVE LOAD (psf)	NO TRANSOM HEIGHT BX MODEL			10" TRANSOM HEIGHT BT, BH MODELS			17" TRANSOM HEIGHT BV, BG, BY MODELS		
				EXPOSURE			EXPOSURE			EXPOSURE		
				B (mph)	C (mph)	D (mph)	B (mph)	C (mph)	D (mph)	B (mph)	C (mph)	D (mph)
1306	2' - 6 5/8"	3" BY 3"	80	190	145	130	175	135	120	170	130	115
1309	2' - 6 5/8"	3" BY 3"	50	185	140	125	175	135	120	170	130	115
1312	2' - 6 5/8"	3" BY 3"	40	175	135	120	170	130	115	160	125	110
1314	2' - 6 5/8"	3" BY 3"	35	170	130	115	160	125	110	155	120	105
1317	2' - 6 5/8"	3" BY 3"	35	155	120	105	145	110	100	145	110	100
1319	2' - 6 5/8"	3" BY 3"	30	145	110	100	140	105	95	130	100	90
1508	3' - 0 5/8"	3" BY 3-3/4"	75	140	105	95	140	105	95	140	105	95
1511	3' - 0 5/8"	3" BY 3-3/4"	35	140	105	95	140	105	95	140	105	95
1514	3' - 0 5/8"	3" BY 3-3/4"	30	130	100	90	130	100	90	130	100	90
1517	3' - 0 5/8"	3" BY 3-3/4"	30	125	95	85	125	95	85	125	95	85
1520	3' - 0 5/8"	3" BY 3-3/4"	30	125	95	85	125	95	85	125	95	85
1523	3' - 0 5/8"	3" BY 3-3/4"	30	115	90	80	115	90	80	115	90	80

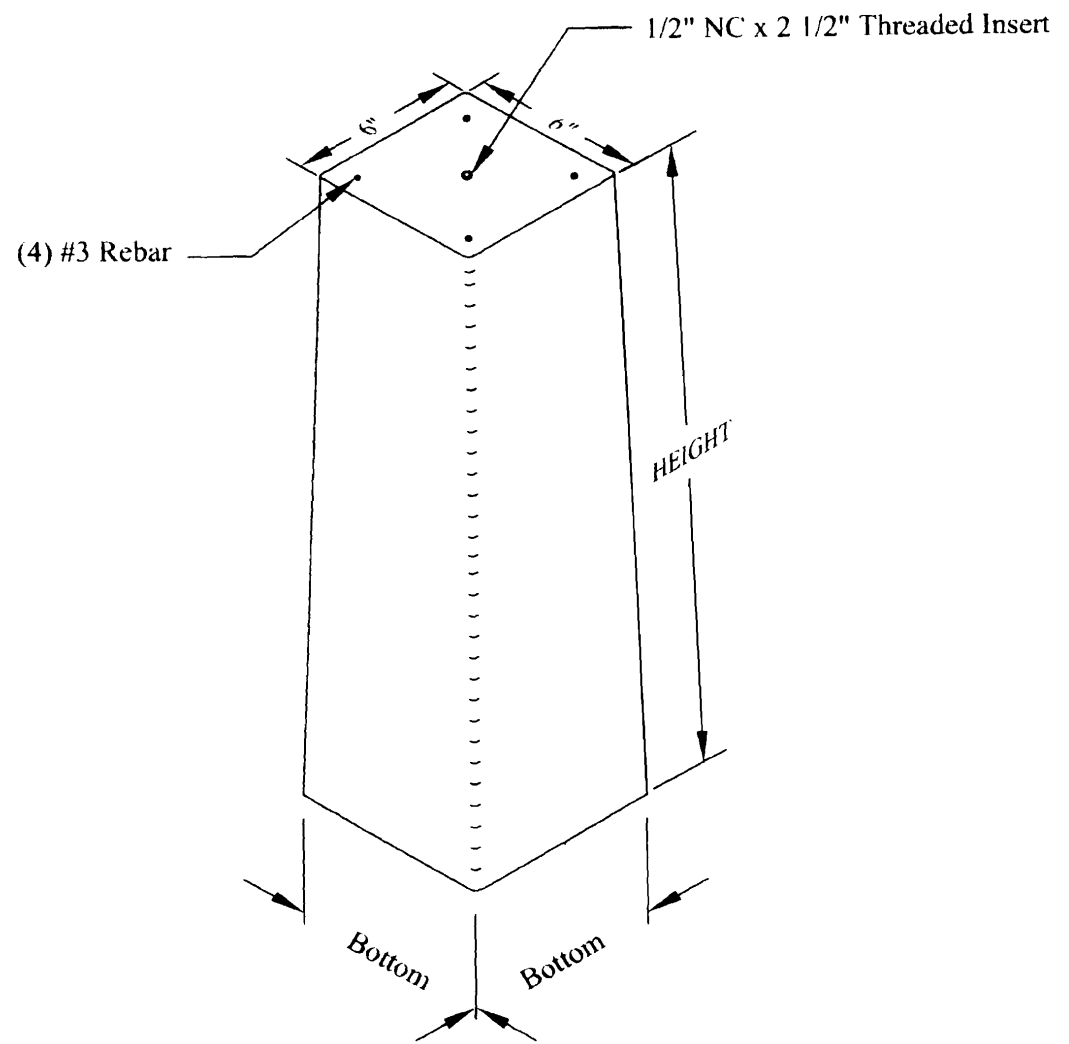


ALABAMA ARIZONA ARKANSAS CALIFORNIA COLORADO CONNECTICUT DELAWARE FLORIDA GEORGIA IDAHO ILLINOIS IOWA KANSAS KENTUCKY LOUISIANA MAINE MARYLAND MASSACHUSETTS MICHIGAN MINNESOTA MISSISSIPPI MISSOURI MONTANA NEBRASKA NEVADA NEW HAMPSHIRE NEW JERSEY NEW MEXICO NEW YORK NORTH CAROLINA NORTH DAKOTA OHIO OKLAHOMA OREGON PENNSYLVANIA PUERTO RICO SOUTH CAROLINA SOUTH DAKOTA TENNESSEE TEXAS UTAH VERMONT VIRGINIA WASHINGTON WEST VIRGINIA WISCONSIN WYOMING D.C.

NOTES

- 1) ROOF RAFTERS ARE GLUE-LAMINATED NORTHERN PINE
- 2) DEAD LOAD OF ROOF SYSTEM IS 7 PSF
- 3) THIS SUMMARY PERTAINS TO THE STRUCTURAL INTEGRITY OF OUR UNIT UP TO THE CONNECTIONS TO THE EXISTING STRUCTURE AND/OR ANY NEW CONSTRUCTION. THE CONNECTIONS TO THE EXISTING AND/OR ANY NEW CONSTRUCTION MUST BE ANALYZED ACCORDING TO CONDITIONS SPECIFIC TO EACH JOB BY OTHERS
- 4) EXPOSURE B - RESIDENTIAL AREAS, EXPOSURE C - OPEN TERRACE AREAS, EXPOSURE D - AREAS WITHIN 1500' OF OCEAN
- 5) ENGINEERS CERTIFICATION: I, LAWRENCE FISCHER, CERTIFY THAT THESE ENGINEERING SPECIFICATIONS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATES SHOWN

PRECAST CONCRETE PIERS



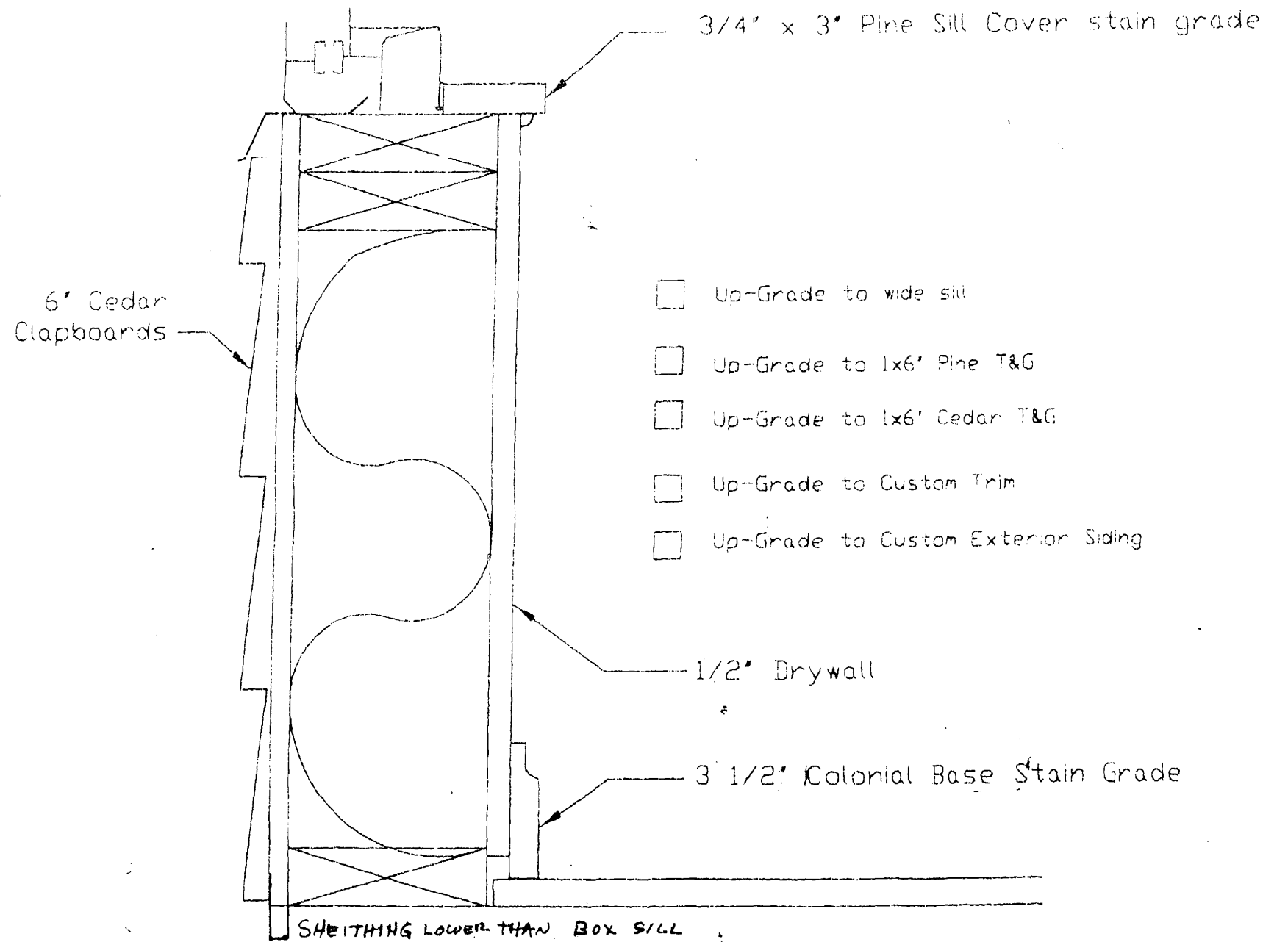
ELEVATION

Height (Feet)	Bottom (Inches)	Item #	Weight
4'-0"	9"	21740	230 lbs.
5'-0"	10"	21750	340 lbs.
6'-0"	11"	21760	450 lbs.

DESIGN NOTES:

- 1) Concrete Mix Design is 4,000 PSI standard at 28 days, Type 3 Cement.
- 2) Reinforcing Steel ASTM A 615, Grade 60
- 2) Smooth Finish on all exposed surfaces.

Standard Kneewall System R-19



**WinterGreen Solariums**  
 536 Riverside Street, Portland, Maine 207 797-3778

Standard Kneewall System Schematic

PROJECT

Date / /