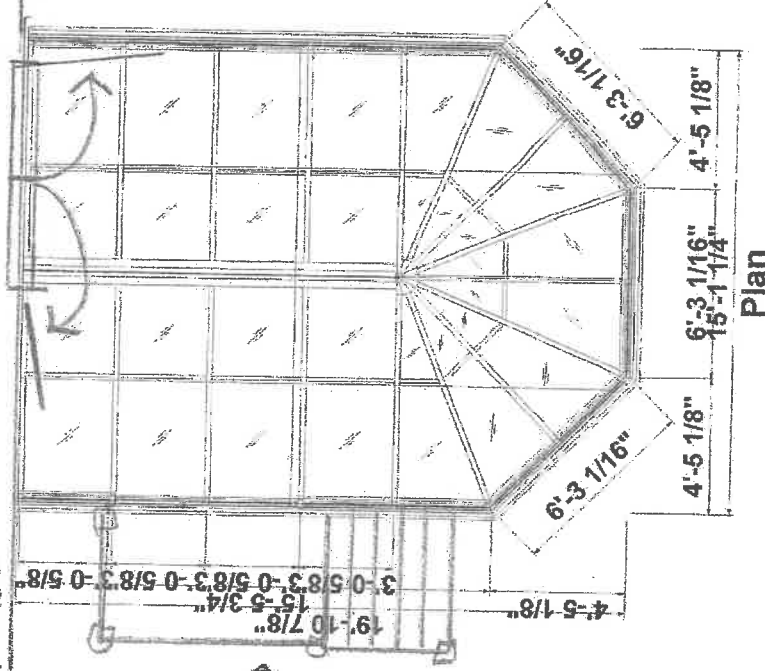
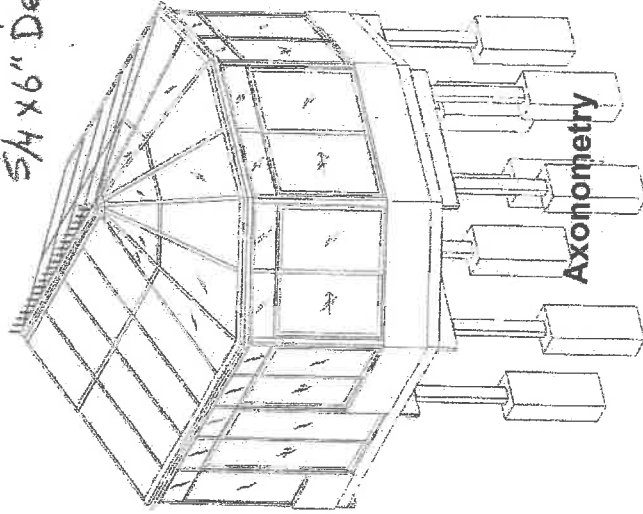


INSULATED 6' DOME

HOUSE WALL

2x8" PT 16" O.C.
FRAMED LANDING w/
5/4x6" Decking



1/3

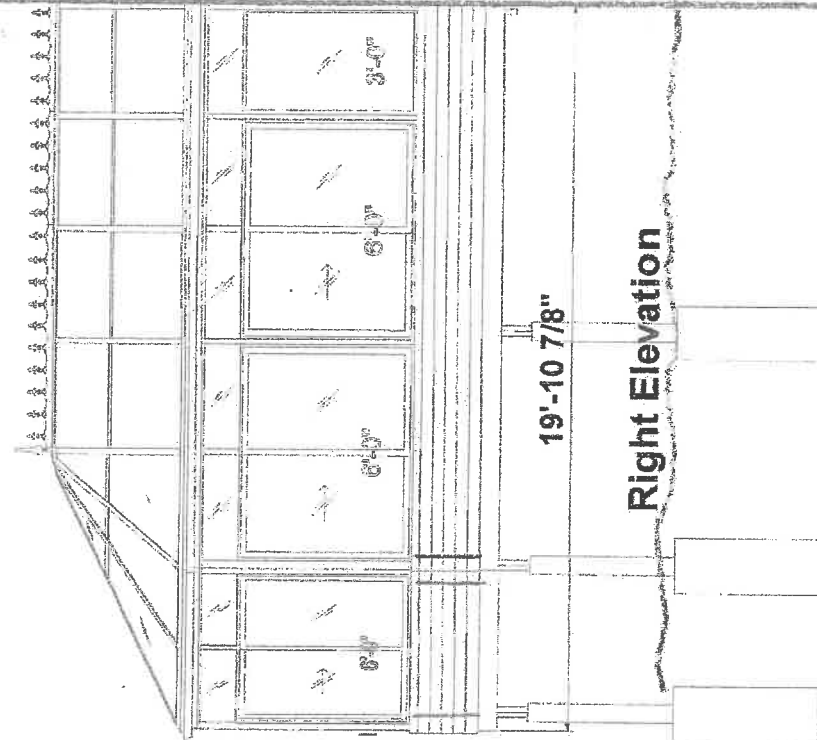
Boulaugue
9 Tappan Ct.
Ashland,



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0/3

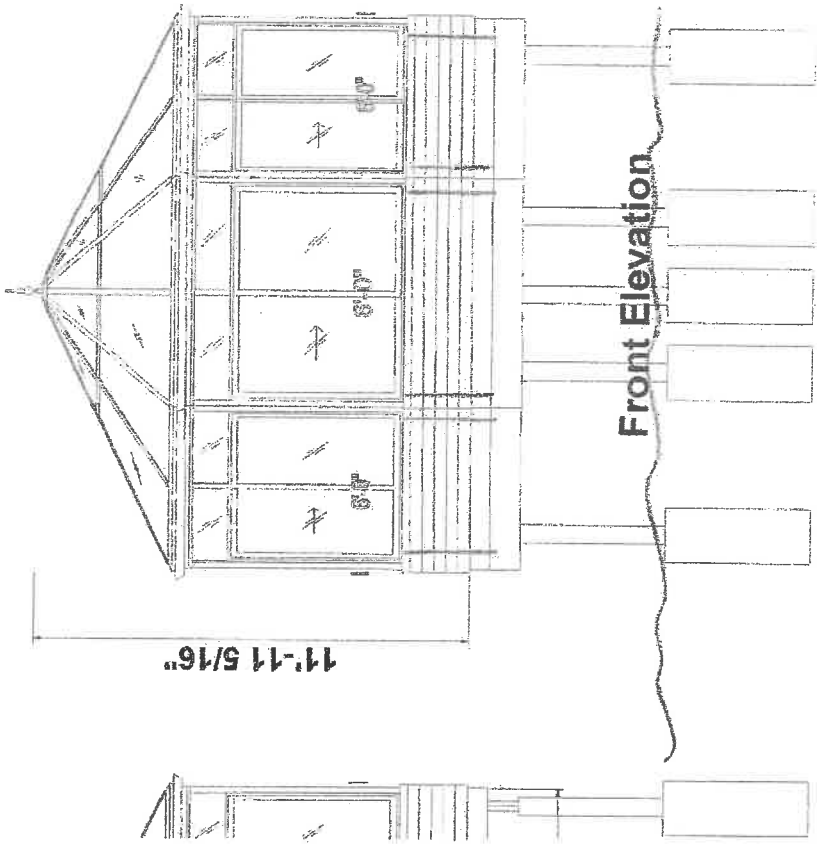
HOUSE WALL



Right Elevation

19'-10 7/8"

GENE



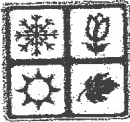
Front Elevation

11'-11 5/16"



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Bouloger
 9 Taggart Ct.
 Ashland, MA



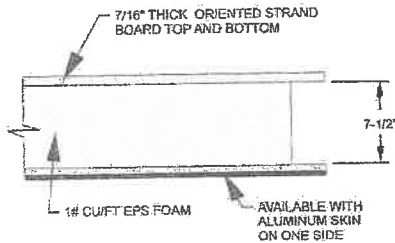
BUILD the BEST
FOUR SEASONS
SUN ROOMS
 Made in N. America for Over 30 Years

CONSERVADECK FLOOR AND ROOF PANELS
8" NOMINAL PANEL THICKNESS
ENGINEERING AND STRUCTURAL LOADING INFORMATION

EFFECTIVE DATE 12-11 RL

FOUR SEASONS CONSERVADECK FLOOR & ROOF PANELS: 8" NOMINAL PANEL THICKNESS											
ROOM PROJECTION		ALLOWABLE LIVE LOAD (BASED ON 3 PSF ADDITIONAL FLOOR DEAD LOAD)				ALLOWABLE LIVE LOAD (BASED ON 7 PSF ADDITIONAL FLOOR DEAD LOAD)				ALLOWABLE WIND UPLIFT LOAD	
FT	M	(PSF)		(KG/M ²)		(PSF)		(KG/M ²)		(PSF)	(KG/M ²)
		SINGLE OSB	DBL OSB ⁴	SINGLE OSB	DBL OSB ⁴	SINGLE OSB	DBL OSB ⁴	SINGLE OSB	DBL OSB ⁴		
7	2.13	85	83	415	405	81	79	395	386	38	186
8	2.44	73	72	356	352	69	68	337	332	34	166
9	2.74	64	63	312	308	60	59	293	288	30	146
10	3.05	57	56	278	273	53	52	259	254	28	137
11	3.35	51	50	249	244	47	46	229	225	26	127
12	3.66	46	45	225	220	42	41	205	200	24	117
13	3.96	40		195						22	107
14	4.27									21	103
15	4.57									20	98

INSULATED 8" PANEL DETAILS



MATERIALS:

POLYSTYRENE CORE:

- TENSILE STRENGTH = 16 - 20 psi.
- SHEAR = 18 - 22 psi.
- SHEAR MODULUS (Gc) = 280 - 320 psi.
- MODULUS OF ELASTICITY = 180 - 220 psi.

ORIENTED STRAND BOARD (OSB):

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

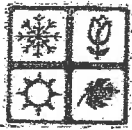
MOR-AD M-600 SERIES ADHESIVE:

- TENSILE SHEAR BOND = 30 psi.

PANEL CROSS SECTION

NOTES:

- 1) ADDITIONAL DEAD LOADS DENOTED ABOVE ARE TO BE BASED ON FLOORING MATERIAL.
- 2) DEFLECTION LIMIT FOR LIVE LOADS ARE L/260.
- 3) DEFLECTION LIMIT FOR DEAD LOAD + LIVE LOADS IS L/240.
- 4) DEAD LOAD OF FLOOR SYSTEM IS 8.0 PSF PANEL CONSTRUCTION.
- 5) DOUBLE OSB DENOTES SECOND LAYER OF FIELD APPLIED OSB PERPENDICULAR TO CONSERVADECK PANEL SPAN. SECOND LAYER OSB SHALL BE FASTENED TO CONSERVADECK WITH 10d NAILS AT 8" O.C. STAGGERED AT SPLINES, 16" O.C. ALONG ROWS 12" APART IN THE FIELD.
- 6) DEAD LOAD OF FLOORING MATERIALS MUST BE SUBTRACTED FROM LOADS SHOWN IN CHART ABOVE.
- 7) THIS SUMMARY PERTAINS TO THE STRUCTURAL INTEGRITY OF OUR UNIT UP TO, BUT NOT INCLUDING THE CONNECTIONS TO THE EXISTING STRUCTURE AND/OR ANY NEW CONSTRUCTION. ALL SUBSTRUCTURE DESIGN REQUIREMENTS AND CONNECTIONS TO THE EXISTING STRUCTURE ARE NOT INCLUDED IN THE SCOPE OF WORK FOR THE FOUR SEASONS PRODUCT AND MUST BE DESIGNED BY OTHERS.
- 8) THE VALUES INDICATED ON THE ABOVE CHART ARE FOR UNIFORM LOADS AND DO NOT ACCOUNT FOR SPECIAL LOAD CONDITIONS CREATED BY ATTACHMENT TO THE EXISTING STRUCTURE. THESE MAY INCLUDE SNOW DRIFTING OR UNBALANCE SNOW LOADING. ANY SPECIAL LOADING CONDITIONS MUST BE EVALUATED BY OTHERS.
- 9) ENGINEER'S CERTIFICATION: I CERTIFY THAT THESE ENGINEERING SPECIFICATIONS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATES SHOWN.



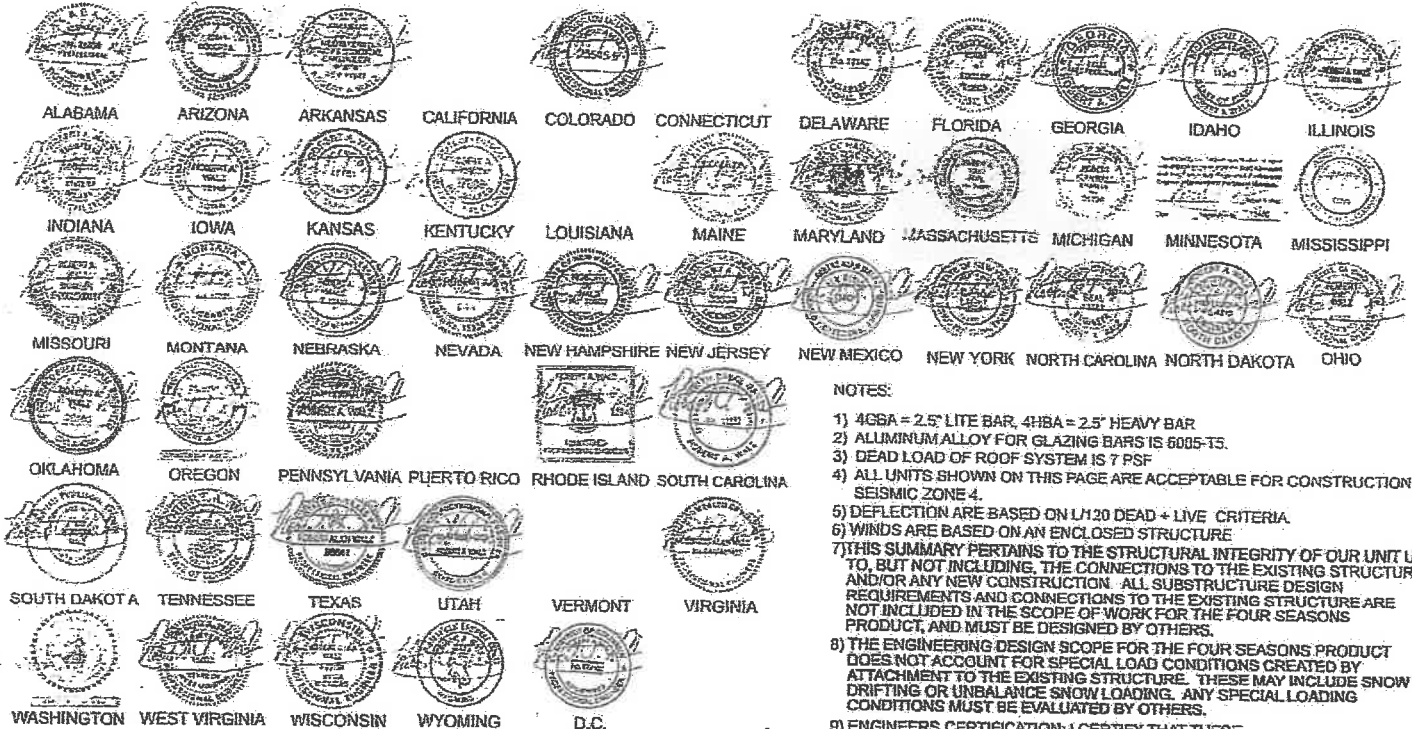
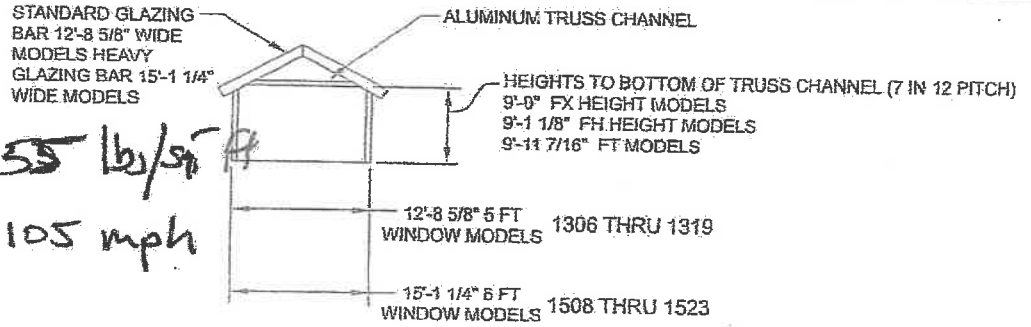
BUILD the BEST
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SUNROOMS
 Made in N. America for Over 30 Years

230 CONSERVATORIES: VICTORIAN DESIGN
 (45 DEGREE BULLNOSE)
 ENGINEERING AND STRUCTURAL
 LOADING INFORMATION

EFFECTIVE DATE 12-18 RL
 REVISION: C

SYSTEM 4 VICTORIAN CONSERVATORY MODELS	TRUSS & GLAZING BAR O.C. SPACING	RAFTER BAR TYPE	ALLOWABLE ROOF LOAD (psf)	BX MODEL EXPOSURE			BH, BT MODEL EXPOSURE			FX, FH MODEL EXPOSURE			FT MODEL EXPOSURE		
				B	C	D	B	C	D	B	C	D	B	C	D
				(mph)	(mph)	(mph)	(mph)	(mph)	(mph)	(mph)	(mph)	(mph)	(mph)	(mph)	(mph)
1306	2' - 6 5/8"	4GBA	70	170	150	140	170	150	140	170	150	140	170	150	140
1309	2' - 6 5/8"	4GBA	70	170	150	140	165	150	135	165	150	135	150	135	120
1312	2' - 6 5/8"	4GBA	50	170	150	140	165	150	135	160	145	130	140	125	115
1314	2' - 6 5/8"	4GBA	50	165	150	135	165	150	135	135	120	110	115	100	90
1317	2' - 6 5/8"	4GBA	45	150	135	120	150	135	120	130	115	105	110	100	90
1319	2' - 6 5/8"	4GBA	39	135	120	110	135	120	110	125	110	100	110	100	90
1508	3' - 0 5/8"	4HBA	55	150	135	120	150	135	120	150	135	120	150	135	120
1511	3' - 0 5/8"	4HBA	55	150	135	120	150	135	120	150	135	120	130	115	105
1514	3' - 0 5/8"	4HBA	37	150	135	120	150	135	120	150	135	120	120	105	95
1517	3' - 0 5/8"	4HBA	37	145	130	115	145	130	115	130	115	105	105	95	85
1520	3' - 0 5/8"	4HBA	31	140	125	115	140	125	115	125	110	100	100	90	80
1523	3' - 0 5/8"	4HBA	27	135	120	110	135	120	110	120	105	95	100	90	80

SNOW LOAD = 55 lb/sq ft
 WIND LOAD = 105 mph



- NOTES:
- 1) 4GBA = 2.5" LITE BAR, 4HBA = 2.5" HEAVY BAR
 - 2) ALUMINUM ALLOY FOR GLAZING BARS IS 6005-T5.
 - 3) DEAD LOAD OF ROOF SYSTEM IS 7 PSF
 - 4) ALL UNITS SHOWN ON THIS PAGE ARE ACCEPTABLE FOR CONSTRUCTION IN SEISMIC ZONE 4.
 - 5) DEFLECTION ARE BASED ON L/120 DEAD + LIVE CRITERIA.
 - 6) WINDS ARE BASED ON AN ENCLOSED STRUCTURE.
 - 7) THIS SUMMARY PERTAINS TO THE STRUCTURAL INTEGRITY OF OUR UNIT UP TO, BUT NOT INCLUDING, THE CONNECTIONS TO THE EXISTING STRUCTURE AND/OR ANY NEW CONSTRUCTION. ALL SUBSTRUCTURE DESIGN REQUIREMENTS AND CONNECTIONS TO THE EXISTING STRUCTURE ARE NOT INCLUDED IN THE SCOPE OF WORK FOR THE FOUR SEASONS PRODUCT, AND MUST BE DESIGNED BY OTHERS.
 - 8) THE ENGINEERING DESIGN SCOPE FOR THE FOUR SEASONS PRODUCT DOES NOT ACCOUNT FOR SPECIAL LOAD CONDITIONS CREATED BY ATTACHMENT TO THE EXISTING STRUCTURE. THESE MAY INCLUDE SNOW DRIFTING OR UNBALANCE SNOW LOADING. ANY SPECIAL LOADING CONDITIONS MUST BE EVALUATED BY OTHERS.
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