

Columbia County Building Permit Application

For Office Use Only Application # 0612-37 Date Received 12/11 By JW Permit # 25308

Application Approved by - Zoning Official aps Date 12/12/06 Plans Examiner OK JTH Date 12-13-06

Flood Zone AE Development Permit N/A Zoning ESA-2 Land Use Plan Map Category ESA

Comments Section 8.11 exempt from DEP

NOC EH Deed or PA Site Plan State Road Info Parent Parcel # Development Permit

Name Authorized Person Signing Permit Debbie Russell Fax 352)378-6108
 Phone 352)372-9767

Address P.O. Box 14165, Gainesville, FL 32604-2165

Owners Name Mr. & Mrs. Leonard Koch Phone 386)497-4376

911 Address 1103 Riverside Ave, Fort White, FL 32032

Contractors Name Donald L. Russell / Gator Aluminum Phone 352)372-9767

Address P.O. Box 14165, Gainesville, FL 32604-2165

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address LAWRENCE BONNETT, P.E.

Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 00-00-00-00748 005 Estimated Cost of Construction 6854

Subdivision Name 3 RIVERS ESTATES Lot 5 Block _____ Unit 9 Phase _____

Driving Directions 47-5 TO US 27 - GO WEST TO RIVERSIDE DRIVE. AND
IT'S 400' PART MONTANA STREET (STRAIGHT ACROSS FROM 1094 SW
RIVERSIDE DRIVE (RAMP))

Type of Construction 10X27 Screen Room Number of Existing Dwellings on Property 1

Total Acreage 1.17 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 25'(N) Side 35'(W) Side 35'(E) Rear 300'(S)

Total Building Height 10' Number of Stories _____ Heated Floor Area _____ Roof Pitch _____

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

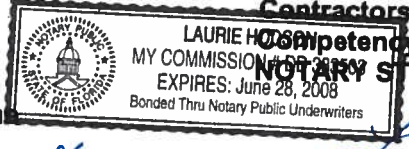
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Authorized Person by Notarized Letter _____

Contractor Signature [Signature]
 Contractors License Number RY 0062859

STATE OF FLORIDA
 COUNTY OF COLUMBIA



Sworn to (or affirmed) and subscribed before me this 12 day of December 20 06.

Competency Card Number 5768

Personally known _____ or Produced Identification ✓

Notary Signature [Signature]
 (Revised Sept. 2006)

Call with questions for Debbie 12.13.06

@ CAM112M01 S CamaUSA Appraisal System
 12/11/2006 16:54 Legal Description Maintenance
 Year T Property Sel
 2007 R 00-00-00-00742-005
 1103 RIVERSIDE AVE SW
 KOCH LEONARD G & CATHERINE L

Columbia County
 17300 Land 002 *
 AG 000
 78813 Bldg 001 *
 Xfea 000
 96113 TOTAL B

1	LOT 5 UNIT 9 THREE RIVERS	ESTATES.	2
3			4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 5/11/1988 GAIL

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

OFFICE COPY

Design Check List for Screen / Vinyl Room (page 1 of 2)

1. Design Statement

These plans have been designed in accordance with the Aluminum Structures Design Manual by Lawrence E. Bennett and comply with the Florida Building Code, 2001 Edition, Chapter 20 and ASCE 7-98, Table 6-2; Importance Factor 0.77; Exposure 'B' ~~X~~ or 'C' M 120 MPH or 110 MPH for 3 second wind gust velocity load; Open Design pressures can be found on page 3-ii:

a. 'B' exposure = 110/10 PSF for Roofs & 110/12 PSF for Walls

b. 'C' exposure = 110 PSF for Roofs & 110 PSF for Walls

Negative I.P.C. 0.00

For 'C' exposure design loads, multiply 'B' exposure loads by 1.4.

2. Host Structure Adequacy Statement:

I certify that I have inspected the host structure and it is in good repair and attachments made to the structure will be solid.

Aluminum Trac
Donald H. Russell pro
Contractor Name (please print)

Phone: 352 372 9167

Donald H. Russell
Contractor Signature

Date: 12/11/06

Donald H. Russell pro

Note: Projection of room from host structure shall not exceed 16'.

3. Building Permit Application Package contains the following:

	Yes	No
A. Project name & address on plans		
B. Site plan or survey with enclosure location		
C. Contractor's / Designer's name, address, phone number, & signature on plans		
D. Notice of consumer rights attached and initialed by consumer		
E. Proposed project layout drawing @ 1/8" or 1/10" scale with the following:		
1. Plan view with host structure area of attachment, enclosure length, and projection from host structure		
2. Front and side elevation views with all dimensions & heights		
3. Beam span, spacing, & size (i.e. 2" x 8" x 0.072" x 0.224")		
4. Upright height, spacing, & size (i.e. 2" x 8" x 0.072" x 0.224")		
5. Chair rail or girts size, length, & spacing (i.e. 2" x 2" x 0.044" x 5'-0" @ 6'-0" O.C.)		
6. Knee braces length, location, & size (i.e. 2" x 3" x 0.045" for 2" x 8" x 0.072" x 0.224" s.m.b.)		

4. Highlight details from Aluminum Structures Design Manual:

A. Beam & purlin tables w/ sizes, thickness, spacing, & spans / lengths. Indicate Section 3 tables used: _____

Beam allowable span conversions from 120 MPH wind zone, 'B' Exposure to _____ MPH wind zone and/or 'C' Exposure for load width _____:

Look up span on 120 MPH table and apply the following formula:

Span / Height @ 120 MPH Required Span @ _____ MPH

$$\frac{\text{Span}}{\text{Height}} \times \text{Wind Zone Multiplier} \times \text{Exposure Multiplier} = \text{Required Span}$$

used from Book

B. Upright tables w/ sizes, thickness, spacing, & heights (Tables 3.2.1, 3.2.2, or 3.2.3)

Upright or wall member allowable height / span conversions from 120 MPH wind zone, 'B' Exposure to _____ MPH wind zone and/or 'C' Exposure for load width _____:

Look up span on 120 MPH table and apply the following formula:

Span / Height @ 120 MPH Required Span @ _____ MPH

$$\frac{\text{Span}}{\text{Height}} \times \text{Wind Zone Multiplier} \times \text{Exposure Multiplier} = \text{Required Span}$$

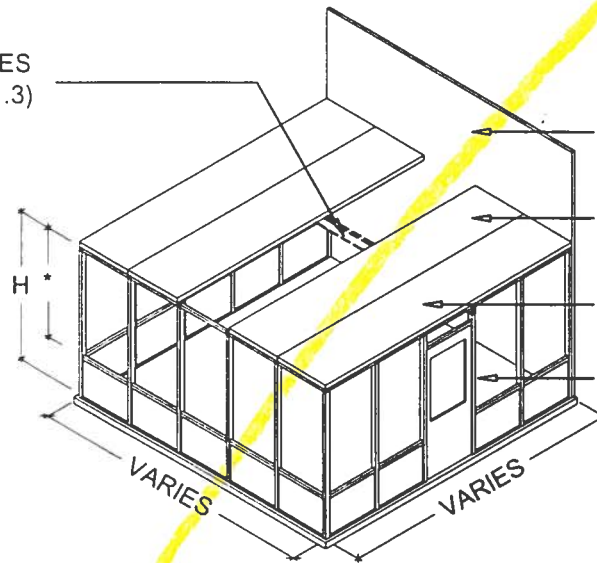
* Appropriate multiplier from page 3-ii.

Design Check List for Screen / Vinyl Room (page 2 of 2)

	Yes	No
C. Table 3.3 with beam & upright combination if applicable		—
D. Connection details to be used such as:		
1. Beam to upright		—
2. Beam to wall		—
3. Beam to beam		—
4. Chair rail, purlins, & knee braces to beams & uprights		—
5. Extruded gutter connection		—
6. U-clip, angles and/or sole plate to deck		—
E. Foundation detail type & size		—

Notes:

INTERIOR BEAM (SEE TABLES
3A.1.3)



HOST STRUCTURE OR
FOURTH WALL FRAME

PANS OR PANELS

ALUMINUM ROOF SYSTEM
PER SECTION 7

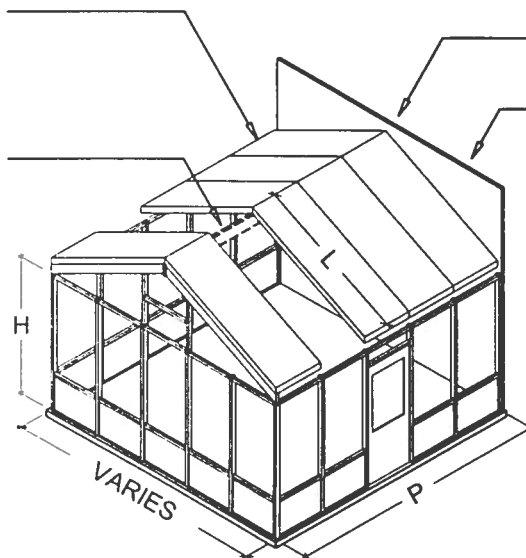
CARRIER BEAM POST

TYPICAL SLOPED SOLID ROOF ENCLOSURE

SCALE: N.T.S.

ALUMINUM ROOF SYSTEM
PER SECTION 7

RIDGE BEAM (SEE TABLES
3A.1.4)



HOST STRUCTURE OR
FOURTH WALL FRAME

USE BEAM TO WALL DETAIL

TYPICAL GABLE SOLID ROOF ENCLOSURE

SCALE: N.T.S.

Lawrence E. Bennett, P.E. FL # 16644

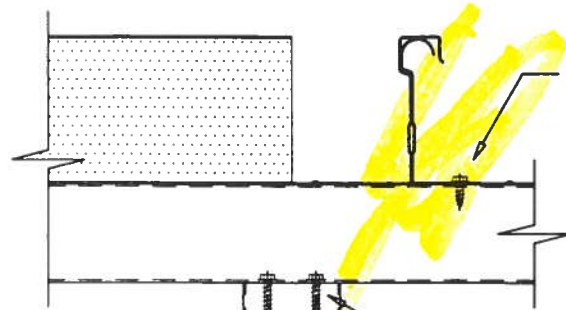
CIVIL ENGINEER - DEVELOPMENT CONSULTANT

P.O. BOX 214368, SOUTH DAYTONA, FL 32121

TELEPHONE: (386) 767-4774

FAX: (386) 767-6556

COMPOSITE ROOF PANELS:
 (4) 1/4" x 4" LAG BOLTS W/
 1-1/4" FENDER WASHERS PER
 4'-0" PANEL ACROSS THE
 FRONT AND 24" O.C. ALONG
 SIDES

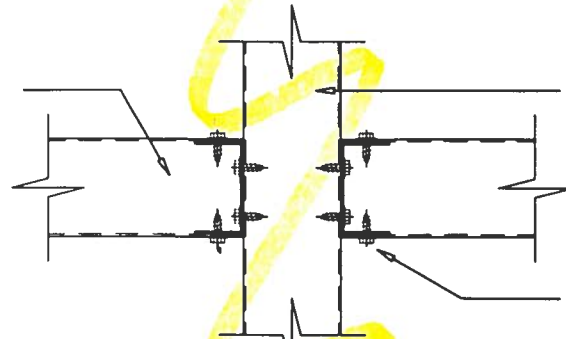


RISER PANELS ATTACHED PER
 CHAPTER 7

2" x 2" OR 2" x 3" HOLLOW

HEADER ATTACHED TO POST
 W/ MIN. (3) #10 x 1-1/2" S.M.S.
 IN SCREW BOSSES

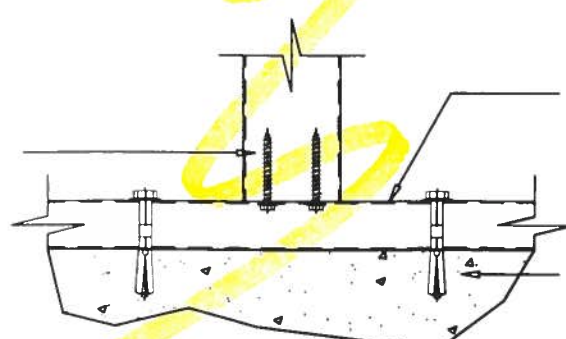
GIRT AND KICK PLATE 2" x 2"
 HOLLOW RAIL



2" x 2", 2" x 3" OR 3" x 2"
 HOLLOW (SEE SPAN TABLES)

FOR SNAP EXTRUSIONS GIRT
 ATTACHED TO POST WITH
 MIN. (3) #10 x 1/2" S.M.S. IN
 SCREW BOSSES

POST ATTACHED TO BOTTOM
 W/ MIN. (3) #10 x 1-1/2"
 S.M.S. IN SCREW BOSSES



1" x 2" OPEN BACK BOTTOM
 RAIL

1/4" x 2-1/4" MASONRY
 ANCHOR @ 6" FROM EACH
 POST AND 24" O.C. (MAX.)

TYPICAL UPRIGHT DETAIL

SCALE: 3" = 1'-0"

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Table 3A.1.1-110 Allowable Edge Beam Spans - Hollow Extrusions
for Screen, Acrylic or Vinyl Rooms

For 3 second wind gust at 110 MPH velocity; using design load of 11 #/SF (36 #/SF for Max. Cantilever)
Aluminum Alloy 6063 T-6

2" x 2" x 0.044"					2" x 2" x 0.055"				
Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-4" d	6'-7" d	6'-9" d	1'-1" d	5	5'-8" d	6'-11" d	7'-1" d	1'-2" d
6	5'-0" d	6'-2" d	6'-4" d	1'-0" d	6	5'-4" d	6'-7" d	6'-8" d	1'-1" d
7	4'-9" d	5'-11" d	5'-11" b	0'-11" d	7	5'-1" d	6'-3" d	6'-4" d	1'-0" d
8	4'-7" d	5'-8" d	5'-7" b	0'-11" d	8	4'-10" d	5'-11" d	6'-1" b	0'-11" d
9	4'-5" d	5'-5" d	5'-3" b	0'-10" d	9	4'-8" d	5'-9" d	5'-9" b	0'-11" d
10	4'-3" d	5'-2" b	4'-11" b	0'-10" d	10	4'-6" d	5'-6" d	5'-5" b	0'-11" d
11	4'-1" d	4'-11" b	4'-9" b	0'-10" d	11	4'-4" d	5'-4" d	5'-2" b	0'-10" d
12	3'-11" d	4'-8" b	4'-7" b	0'-10" d	12	4'-3" d	5'-2" b	4'-11" b	0'-10" d
3" x 2" x 0.045"					3" x 2" x 0.070"				
Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	6'-0" d	7'-5" d	7'-7" d	1'-2" d	5	6'-9" d	8'-5" d	8'-7" d	1'-4" d
6	5'-8" d	7'-0" d	7'-2" d	1'-2" d	6	6'-5" d	7'-11" d	8'-0" d	1'-3" d
7	5'-5" d	6'-8" d	6'-10" d	1'-1" d	7	6'-1" d	7'-6" d	7'-8" d	1'-3" d
8	5'-2" d	6'-4" d	6'-6" d	1'-0" d	8	5'-10" d	7'-2" d	7'-4" d	1'-2" d
9	4'-11" d	6'-2" d	6'-3" d	0'-11" d	9	5'-7" d	6'-11" d	7'-0" d	1'-1" d
10	4'-9" d	5'-11" d	5'-11" b	0'-11" d	10	5'-5" d	6'-8" d	6'-9" d	1'-1" d
11	4'-8" d	5'-9" d	5'-8" b	0'-11" d	11	5'-3" d	6'-5" d	6'-7" d	1'-0" d
12	4'-6" d	5'-7" d	5'-5" b	0'-11" d	12	5'-1" d	6'-3" d	6'-5" d	1'-0" d
2" x 3" x 0.045"					2" x 4" x 0.050"				
Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	7'-6" d	9'-3" d	9'-5" d	1'-6" d	5	9'-8" d	11'-11" d	12'-2" b	1'-11" d
6	7'-0" d	8'-8" d	8'-8" b	1'-5" d	6	9'-1" d	11'-3" d	11'-1" b	1'-10" d
7	6'-8" d	8'-3" d	8'-1" b	1'-4" d	7	8'-8" d	10'-8" b	10'-3" b	1'-9" d
8	6'-5" d	7'-9" b	7'-6" b	1'-3" d	8	8'-3" d	9'-11" b	9'-7" b	1'-8" d
9	6'-2" d	7'-4" b	7'-1" b	1'-3" d	9	7'-11" d	9'-5" b	9'-1" b	1'-7" d
10	5'-11" d	6'-11" b	6'-9" b	1'-2" d	10	7'-8" d	8'-11" b	8'-7" b	1'-6" d
11	5'-9" d	6'-8" b	6'-5" b	1'-2" d	11	7'-5" d	8'-6" b	8'-2" b	1'-6" d
12	5'-7" d	6'-4" b	6'-2" b	1'-1" d	12	7'-3" d	8'-1" b	7'-10" b	1'-5" d

Notes:

- Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
- Spans may be interpolated.

Lawrence E. Bennett, P.E. FL # 16644

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SECTION 3A

SCREEN, ACRYLIC & VINYL ROOMS

Table 3A.2.1 Allowable Upright Heights, Chair Rail Spans or Header Spans for Screen, Acrylic or Vinyl Rooms
Aluminum Alloy 6063 T-6

For 3 second wind gust at 110 MPH velocity; using design load of 11 #/SF

Sections	Tributary Load Width 'W' = Purlin Spacing									
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
Allowable Height 'H' / bending 'b' or deflection 'd'										
2" x 2" x 0.044" Hollow	9'-5" b	8'-9" b	8'-2" b	7'-8" b	7'-4" b	6'-11" b	6'-8" b	6'-5" b	6'-2" b	5'-11" b
2" x 2" x 0.055" Hollow	10'-3" b	9'-6" b	8'-11" b	8'-5" b	7'-11" b	7'-7" b	7'-3" b	6'-11" b	6'-9" b	6'-6" b
3" x 2" x 0.045" Hollow	11'-3" b	10'-5" b	9'-9" b	9'-3" b	8'-9" b	8'-4" b	7'-11" b	7'-8" b	7'-5" b	7'-2" b
3" x 2" x 0.070" Hollow	12'-9" d	12'-2" d	11'-7" d	10'-11" b	10'-5" b	9'-11" b	9'-6" b	9'-2" b	8'-10" b	8'-6" b
2" x 3" x 0.075" Hollow	12'-9" b	11'-9" b	11'-0" b	10'-5" b	9'-10" b	9'-5" b	8'-11" b	8'-8" b	8'-4" b	8'-1" b
2" x 4" x 0.050" Hollow	16'-3" b	15'-1" b	14'-1" b	13'-3" b	12'-7" b	12'-0" b	11'-6" b	11'-0" b	10'-8" b	10'-3" b
2" x 4" x 0.046" S.M.B.	19'-1" b	17'-8" b	16'-6" b	15'-7" b	14'-9" b	14'-1" b	13'-6" b	12'-11" b	12'-6" b	12'-1" b
2" x 5" x 0.050" S.M.B.	23'-7" b	21'-10" b	20'-5" b	19'-3" b	18'-3" b	17'-5" b	16'-8" b	16'-0" b	15'-5" b	14'-11" b
2" x 6" x 0.050" S.M.B.	26'-1" b	24'-2" b	22'-7" b	21'-3" b	20'-2" b	19'-3" b	18'-5" b	17'-9" b	17'-1" b	16'-6" b
2" x 2" x 0.044" Snap	11'-3" b	10'-5" b	9'-9" b	9'-2" b	8'-8" b	8'-3" b	7'-11" b	7'-7" b	7'-4" b	7'-1" b
2" x 3" x 0.045" Snap	14'-4" b	13'-4" b	12'-5" b	11'-9" b	11'-2" b	10'-7" b	10'-2" b	9'-9" b	9'-5" b	9'-1" b
2" x 4" x 0.045" Snap	17'-7" b	16'-3" b	15'-3" b	14'-4" b	13'-7" b	12'-11" b	12'-5" b	11'-11" b	11'-6" b	11'-1" b

For 3 second wind gust at 120 MPH velocity; using design load of 13 #/SF

Sections	Tributary Load Width 'W' = Purlin Spacing									
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
Allowable Height 'H' / bending 'b' or deflection 'd'										
2" x 2" x 0.044" Hollow	8'-8" b	8'-0" b	7'-6" b	7'-1" b	6'-8" b	6'-5" b	6'-1" b	5'-11" b	5'-8" b	5'-6" b
2" x 2" x 0.055" Hollow	9'-5" b	8'-9" b	8'-2" b	7'-9" b	7'-4" b	6'-11" b	6'-8" b	6'-5" b	6'-2" b	5'-11" b
3" x 2" x 0.045" Hollow	10'-5" b	9'-7" b	8'-11" b	8'-6" b	8'-0" b	7'-8" b	7'-4" b	7'-1" b	6'-10" b	6'-7" b
3" x 2" x 0.070" Hollow	12'-1" d	11'-5" b	10'-8" b	10'-1" b	9'-7" b	9'-2" b	8'-9" b	8'-5" b	8'-1" b	7'-10" b
2" x 3" x 0.045" Hollow	12'-10" b	11'-11" b	11'-2" b	10'-6" b	9'-11" b	9'-6" b	9'-1" b	8'-9" b	8'-5" b	8'-2" b
2" x 4" x 0.050" Hollow	14'-11" b	13'-10" b	12'-11" b	12'-2" b	11'-7" b	11'-0" b	10'-7" b	10'-2" b	9'-9" b	9'-5" b
2" x 4" x 0.046" S.M.B.	17'-6" b	16'-3" b	15'-2" b	14'-4" b	13'-7" b	12'-11" b	12'-5" b	11'-11" b	11'-6" b	11'-1" b
2" x 5" x 0.050" S.M.B.	21'-8" b	20'-1" b	18'-9" b	17'-9" b	16'-10" b	16'-0" b	15'-4" b	14'-9" b	14'-2" b	13'-9" b
2" x 6" x 0.050" S.M.B.	23'-11" b	22'-2" b	20'-9" b	19'-7" b	18'-7" b	17'-9" b	16'-11" b	16'-3" b	15'-8" b	15'-2" b
2" x 2" x 0.044" Snap	10'-4" b	9'-7" b	8'-11" b	8'-5" b	7'-11" b	7'-7" b	7'-4" b	7'-0" b	6'-9" b	6'-6" b
2" x 3" x 0.045" Snap	13'-3" b	12'-3" b	11'-5" b	10'-9" b	10'-3" b	9'-9" b	9'-4" b	8'-11" b	8'-8" b	8'-4" b
2" x 4" x 0.045" Snap	16'-2" b	14'-11" b	14'-0" b	13'-2" b	12'-6" b	11'-11" b	11'-5" b	10'-11" b	10'-7" b	10'-3" b

Notes:

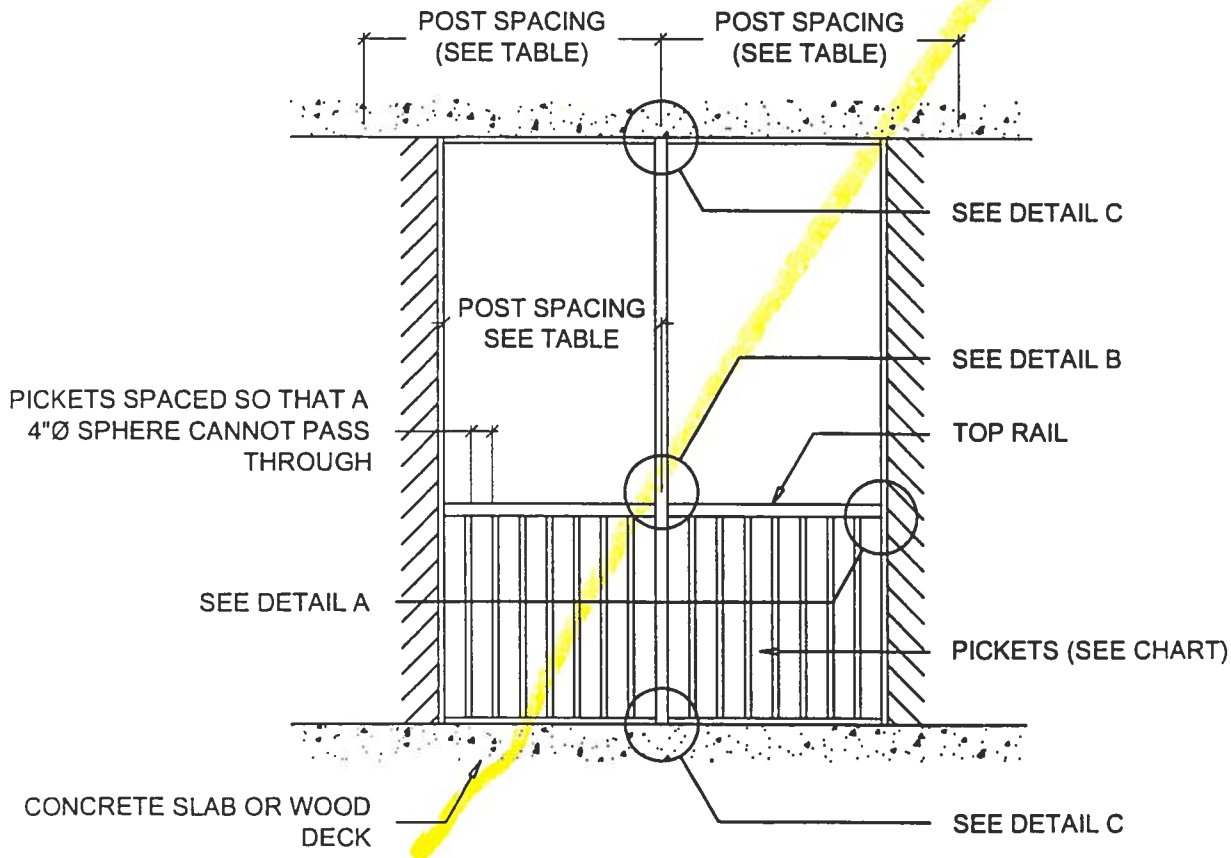
1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
2. Spans may be interpolated.

Lawrence E. Bennett, P.E. FL # 16644

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STANDARD PAN OR COMPOSITE ROOF MAY BE USED W/ SIDE WALLS OR CONCRETE OR WOOD FRAME

1" x 2" x 0.044" OR GREATER CONNECT TO SLAB AND WALLS W/ 1/4" x 1-1/4" EMBEDMENT EXPANSION BOLTS @ 24" O.C. (TYP.)



TYPICAL SCREEN FRAME WALL WITH GUARDRAIL ELEVATION

SCALE: 3/8" = 1'-0"

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Table 6.1 Maximum Upright Heights and / or Chair Rail Spans For Aluminum Frame Screen Walls w/ Guard Rails Between Existing Walls, Ceilings and Conventionally Constructed Structures
Aluminum Alloy 6063 T-6

Hollow Sections	Load Width "W" = Beam Spacing				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
	Allowable Span "L"				
2" x 2" x 0.036"	6'-3" b	5'-7" b	5'-1" b	4'-9" b	4'-5" b
2" x 2" x 0.044"	6'-11" d	6'-2" b	5'-8" b	5'-3" b	4'-11" b
2" x 2" x 0.055"	7'-4" d	6'-9" b	6'-2" b	5'-8" b	5'-4" b
2" x 3" x 0.045"	9'-1" b	8'-2" b	7'-5" b	6'-11" b	6'-5" b
2" x 4" x 0.050"	12'-6" b	11'-2" b	10'-2" b	9'-5" b	8'-10" b

Snap Sections	Load Width "W" = Beam Spacing				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
	Allowable Span "L"				
2" x 2" x 0.036"	7'-9" d	7'-3" d	6'-9" b	6'-3" b	5'-10" b
2" x 3" x 0.045"	10'-5" d	9'-4" b	8'-6" b	7'-11" b	7'-5" b

Notes:

1. Wind Loads up to 120 M.P.H. and 200 # Horizontal Point Load at any point on frame.
2. Frame upright heights for various widths between uprights.
3. Guardrails with or without pickets meet requirements of section 1608.2.2 for all components.
4. For wind loads other than 120 M.P.H. multiply the above spans by the conversion factor listed below.

WIND LOAD CONVERSION TABLE:

For Wind Zones/Regions other than 120 MPH
(Tables Shown)

Wind Region	Applied Load	Conversion Factor
100	25	1.18
110	30	1.08
120	35	1.00
123	37	0.97
130	42	0.91
140	48	0.85
150	56	0.79

Table 6.2 Maximum Post Spacing for Top Rail

Alloy	Maximum Post Spacing	Base Plate	Core Drill
6063 T-6	6'-1"	5'-0"	6'-1"
6061 T-6	6'-10"	5'-6"	6'-10"

Table 6.3 Required Insert Length in Post of 1-1/2" x 0.413" Channel

Alloy	Post Type	Insert Length
6063 T-6	0.10" x 1.5" x 1.8"	20" + Core
6061 T-6	0.10" x 1.5" x 1.8"	14" + Core

Table 6.4 Picket Spacing

Alloy	4" On Centers	5" or 6" On Centers
6063 T-6	0.062" x 3/4" x 3/4"	0.062" x 1" x 1"
6061 T-6	0.045" x 3/4" x 3/4" 0.062" x 1" x 1"	0.045" x 1" x 1" 0.062" x 1" x 1"

Lawrence E. Bennett, P.E. FL # 16644

CIVIL ENGINEER - DEVELOPMENT CONSULTANT

P. O. BOX 214368, SOUTH DAYTONA, FL 32121

TELEPHONE: (386) 767-4774

FAX: (386) 767-6556

PAN ROOF ANCHORING DETAILS

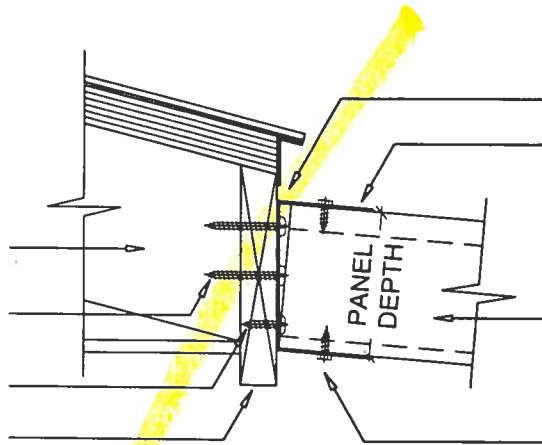
ALTERNATE CONNECTION:
 (3) #8 SCREWS PER PAN WITH
 1" MINIMUM EMBEDMENT INTO
 FASCIA THROUGH PAN BOXED
 END

EXISTING TRUSS OR RAFTER

#10 x 1-1/2" S.M.S. (2) PER
 RAFTER OR TRUSS TAIL

#10 x 3/4" S.M.S. @ 12" O.C.

EXISTING FASCIA



SEALANT

HEADER (SEE NOTE BELOW)

ROOF PANEL

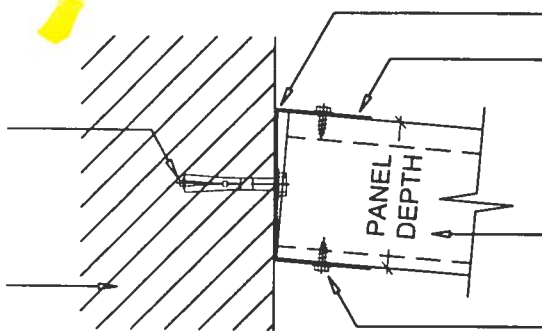
#8 x 1/2" S.M.S. (3) PER PAN
 (BOTTOM) AND (1) @ RISER
 (TOP) CAULK ALL EXPOSED
 SCREW HEADS

ROOF PANEL TO FASCIA DETAIL

SCALE: 3" = 1'-0"

FOR MASONRY USE
 1/4" x 1-1/4" MASONRY
 ANCHOR OR EQUAL @ 24" O.C.
 FOR WOOD USE #10 x 1-1/2"
 S.M.S. OR WOOD SCREWS @
 2" O.C.

EXISTING HOST STRUCTURE:
 WOOD FRAME, MASONRY OR
 OTHER CONSTRUCTION



SEALANT

HEADER (SEE NOTE BELOW)

ROOF PANEL

#8 x 1/2" S.M.S. (3) PER PAN
 (BOTTOM) AND (1) @ RISER
 (TOP) CAULK ALL EXPOSED
 SCREW HEADS

ROOF PANEL TO WALL DETAIL

SCALE: 3" = 1'-0"

ROOF PANELS SHALL BE ATTACHED TO THE HEADER WITH (3) EACH #8 x 1/2" LONG CORROSION RESISTANT SHEET METAL SCREWS WITH 1/2" WASHERS. ALL SCREW HEADS SHALL BE CAULKED OR SHALL HAVE NEOPRENE GASKET BETWEEN THE WASHER AND THE PAN. PAN RIBS SHALL RECEIVE (1) EACH #8 x 1/2" SCREW EACH. THE PANS MAY BE ANCHORED THROUGH BOXED PAN WITH (3) EACH #8 x 1" OF THE ABOVE SCREW TYPES AND THE ABOVE SPECIFIED RIZER SCREW. #8 x 9/16" TEK SCREWS ARE ALLOWED AS A SUBSTITUTE FOR #8 x 1/2" S.M.S.

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SECTION 7

SOLID ROOF PANEL PRODUCTS

**Table 7.1.4 Allowable Spans for Industry Standard Riser Panels for Various Loads
Aluminum Alloy 3105 H-28**

3" x 12" x 0.024" 2 or 5 Rib Riser Panels

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	14'-7"	17'-11"	18'-4"	13'-8"	17'-5"	17'-9"	11'-2"	14'-3"	14'-7"	4'-0"
110 MPH	14'-1"	17'-11"	18'-4"	12'-9"	15'-9"	16'-0"	10'-6"	13'-5"	13'-9"	3'-11"
120 MPH	13'-4"	17'-5"	17'-9"	11'-9"	15'-1"	15'-5"	9'-11"	12'-7"	12'-10"	3'-9"
123 MPH	13'-2"	16'-3"	17'-4"	11'-7"	14'-10"	15'-1"	9'-9"	12'-5"	12'-8"	3'-8"
130 MPH	12'-9"	15'-9"	16'-0"	11'-2"	14'-3"	14'-7"	9'-5"	11'-8"	11'-10"	3'-7"
140 MPH	10'-1"	12'-6"	12'-9"	10'-1"	12'-6"	12'-9"	8'-11"	11'-1"	11'-3"	3'-4"
150 MPH	10'-1"	12'-6"	12'-9"	10'-1"	12'-6"	12'-9"	8'-6"	10'-6"	10'-9"	3'-3"

3" x 12" x 0.030" 2 or 5 Rib Riser Panels

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	15'-9"	19'-5"	19'-10"	14'-10"	18'-10"	19'-2"	12'-6"	15'-5"	15'-9"	4'-0"
110 MPH	15'-3"	19'-5"	19'-10"	13'-9"	17'-10"	18'-2"	11'-3"	14'-6"	14'-10"	4'-0"
120 MPH	14'-5"	18'-10"	19'-2"	13'-2"	16'-3"	16'-7"	10'-8"	13'-7"	13'-11"	4'-0"
123 MPH	14'-2"	18'-4"	18'-8"	12'-11"	15'-11"	16'-4"	10'-6"	13'-5"	13'-8"	3'-11"
130 MPH	13'-9"	17'-4"	17'-9"	12'-6"	15'-5"	15'-9"	10'-2"	12'-11"	13'-2"	3'-10"
140 MPH	10'-11"	13'-6"	13'-9"	10'-11"	13'-6"	13'-9"	9'-8"	12'-4"	12'-7"	3'-8"
150 MPH	10'-11"	13'-6"	13'-9"	10'-11"	13'-6"	13'-9"	9'-2"	11'-4"	11'-7"	3'-6"

3" x 12" x 0.050" 2 or 5 Rib Riser Panels

Wind Region	Open Structures Mono-Sloped Roof			Screen Rooms & Attached Covers			Glass & Modular Rooms Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span	1&2 span	3 span	4 span	1&2 span	3 span	4 span	
100 MPH	18'-5"	22'-9"	23'-2"	17'-10"	22'-0"	22'-5"	14'-7"	18'-8"	19'-1"	4'-0"
110 MPH	18'-5"	22'-9"	23'-2"	16'-1"	20'-10"	21'-3"	13'-9"	17'-9"	18'-1"	4'-0"
120 MPH	17'-10"	22'-0"	22'-5"	15'-5"	19'-10"	20'-3"	12'-11"	15'-11"	16'-3"	4'-0"
123 MPH	17'-4"	21'-5"	21'-10"	15'-2"	19'-6"	19'-10"	12'-8"	15'-8"	15'-11"	4'-0"
130 MPH	16'-1"	20'-4"	20'-9"	14'-7"	18'-8"	19'-1"	11'-11"	15'-1"	15'-5"	4'-0"
140 MPH	12'-9"	15'-9"	16'-1"	12'-9"	15'-9"	16'-1"	11'-4"	14'-5"	14'-9"	4'-0"
150 MPH	12'-9"	15'-9"	16'-1"	12'-9"	15'-9"	16'-1"	10'-9"	13'-9"	14'-0"	4'-0"

Note: Total roof panel width = room width + wall width + overhang.

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SECTION 3A SCREEN, ACRYLIC & VINYL ROOMS

General Notes and Specifications:

1. The following structures are designed to be married to block and wood frame structures of adequate structural capacity. The contractor / home owner shall verify that the host structure is in good condition and of sufficient strength to hold the proposed addition.
2. If there is a question about the host structure, the owner (at his own expense) shall hire an architect, engineer, or a certified home inspection company to verify host structure capacity.
3. The structures designed using this section shall be limited to a maximum projection of 16' from the host structure. Freestanding structures shall be limited to the maximum spans and size limits of component parts. Larger than these limits shall have site specific engineering.
4. The following rules apply to attachments involving mobile and manufactured homes:
 - a. Structures to be placed adjacent to a mobile / manufactured home built prior to 1994 shall use "fourth wall construction" or shall provide detailed plans of the mobile / manufactured home and inspection report along with addition plans for site specific review and seal by the engineer. This applies to all screen / glass rooms and / or structures to be attached.
 - b. "Fourth wall construction" means the addition shall be free standing with only the roof flashing of the two units being attached. The most common "fourth wall construction" is a post & beam frame adjacent to the mobile / manufactured home. The same span tables can be used as for the front wall beam. For fourth wall beam use the carrier beam table. The post shall be sized according to this manual and/or as a minimum be a 2" x 3" x 0.050" with an 18" x 2" x 0.044" knee brace at each end of the beam.
 - c. For mobile / manufactured homes built after 1994, structures may be attached, provided the project follows the plan provided in this manual. The contractor / owner shall provide verification that the structural system of the host structure is adequate for the addition to be attached.
 - d. If the mobile / manufactured home manufacturer certifies in writing that the mobile home may be attached to, then a "fourth wall" is NOT required.
5. Section 7 contains span tables and the attachment details for pens and composite panels.
6. Screen walls between existing walls, floors, and ceilings are considered infills and shall be allowed and heights shall be selected from the same tables as for other screen walls.
7. When using TEK screws in lieu of S.M.S., longer screws must be used to compensate for drill head.
8. For high velocity hurricane zones the minimum live load / applied load shall be 30 PSF.
9. All specified anchors are based on an enclosed building with a 16' projection and a 2' over hang for up to a wind velocity of 120 MPH.
10. Spans may be interpolated between values but not extrapolated outside values.
11. For Design Check List and Inspection Guides for Screen, Acrylic & Vinyl Rooms, see Appendix (Section 10).
12. When notes refer to screen rooms, they shall apply to acrylic / vinyl rooms also.

Host home is a 1999



Columbia County Property Appraiser

DB Last Updated: 11/20/2006

2007 Proposed Values

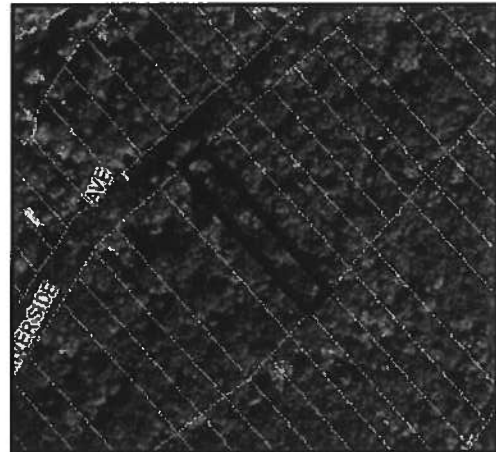
Parcel: 00-00-00-00742-005

Owner & Property Info

Search Result: 1 of 1

Owner's Name	KOCH LEONARD G & CATHERINE L		
Site Address	RIVERSIDE		
Mailing Address	7223 NE 100TH AVENUE GAINESVILLE, FL 32609		
Use Desc. (code)	MOBILE HOM (000200)		
Neighborhood	100000.09	Tax District	3
UD Codes	MKTA02	Market Area	02
Total Land Area	1.043 ACRES		
Description	LOT 5 UNIT 9 THREE RIVERS ESTATES.		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (2)	\$17,300.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$75,821.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$93,121.00

Just Value	\$93,121.00
Class Value	\$0.00
Assessed Value	\$93,121.00
Exempt Value	\$0.00
Total Taxable Value	\$93,121.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
10/13/1993	782/434	WD	V	U	12	\$11,600.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SFR MANUF (000200)	2000	Vinyl Side (31)	2356	2356	\$75,821.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

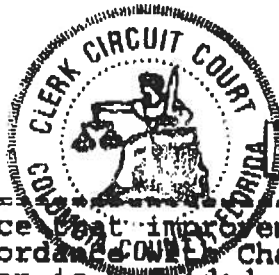
Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000200	MBL HM (MKT)	1.000 LT - (1.043AC)	1.00/1.00/1.00/1.00	\$15,300.00	\$15,300.00
009945	WELL/SEPT (MKT)	1.000 UT - (.000AC)	1.00/1.00/1.00/1.00	\$2,000.00	\$2,000.00

NOTICE OF COMMENCEMENT

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

STATE OF: FLORIDA
COUNTY OF: Columbia
CITY OF: Fort White



By: Sharon Seagle
Deputy Clerk

Date: 12-13-06

PERMIT #: 25308

PARCEL #: _____

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

DESCRIPTION OF PROPERTY:

LOT: _____ BLOCK: _____ SECTION: _____ TOWNSHIP: _____ RANGE: _____
SUBDIVISION: Three Rivers Estates MAP PAGE #: _____
STREET ADDRESS: 1103 Riverside Ave Fort White, FL 32038

GENERAL DESCRIPTION OF IMPROVEMENT:

10'x27' Alu-Screen Room w/11'x42' Alu Roof

OWNER INFORMATION:

OWNER(S) NAME: Mr Leonard P Koch + Catherine L Koch PHONE #: 386-497-4374
ADDRESS: 7223 NE 100th Ave
CITY: Apopka STATE: FL ZIP CODE: 32609
INTEREST IN THE PROPERTY: Owner
FEE SIMPLE TITLEHOLDER NAME: _____
FEE SIMPLE TITLEHOLDER ADDRESS: NA
(if other than owner)

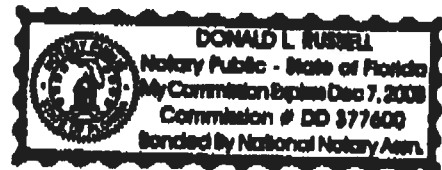
CONTRACTOR NAME: RUSSELL, DON State Aluminum PHONE #: 352-372-9767
ADDRESS: PO BOX 14165 FAX #: _____
CITY: GAINESVILLE STATE: FL ZIP CODE: 32604
BONDING CO.: _____ PHONE #: _____
ADDRESS: _____ FAX #: _____
CITY: _____ STATE: _____ ZIP CODE: _____
LENDOR NAME: _____ PHONE #: _____
ADDRESS: _____ FAX #: _____
CITY: _____ STATE: _____ ZIP CODE: _____

Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by section 713.13(1)(a), Florida Statutes:

NAME: _____ ADDRESS: _____
In addition to himself, Owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

Expiration date is 1 year from the date of recording unless a different date is specified: _____

SIGNATURE OF OWNER: Leonard P Koch
Sworn to and subscribed before me this 9 day of Dec, 2006.



Known personally/ID shown: NA

Notary: Donald L Russell My commission expires: _____

Inst: 2006029356 Date: 12/13/2006 Time: 14:37
P. DeWitt Cason, DC, P. DeWitt Cason, Columbia County B: 1104 P: 2194

PREPARED BY: DONALD L. RUSSELL

COLUMBIA COUNTY AVENUE

OPEN

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 26-6S-15-00742-005

Building permit No. 000025308

Use Classification SCREEN ROOM

Fire: 0.00

Permit Holder DONALD RUSSELL

Waste: _____

Owner of Building LEONARD & CATHERINE KOCH

Total: 0.00

Location: 1103 SW RIVERSIDE AVE, FT. WHITE, FL 32038

Date: 01/24/2007

Harry Sticker

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)