

DATE 06/15/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024631

APPLICANT DEBRA RUSSELL PHONE 352 372-9767
ADDRESS P.O. BOX 14165 GAINESVILLE FL 32604
OWNER STEVE & MADINE KIMBALL PHONE 454-8886
ADDRESS 971 SW RUM ISLAND TERR FT. WHITE FL 32038
CONTRACTOR GATOR ALUMINUM PHONE 352 372-9767
LOCATION OF PROPERTY 47S, TL ON 27, TR ON 138, TL ON RUM ISLAND TERR,
APPROXIMATELY 1 MILE ON LEFT

TYPE DEVELOPMENT SCREEN ENCLOSURE ESTIMATED COST OF CONSTRUCTION 16578.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING A-3 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X PS DEVELOPMENT PERMIT NO.

PARCEL ID 36-7S-16-04351-013 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES

RX0066859
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X06-0196 BK JH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE

Check # or Cash 39622

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing date/app. by
Framing Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in Heat & Air Duct Peri. beam (Lintel) date/app. by
Permanent power C.O. Final Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing Pool date/app. by
Reconnection Pump pole Utility Pole date/app. by
M/H Pole Travel Trailer Re-roof date/app. by

BUILDING PERMIT FEE \$ 85.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 160.00
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Building Permit Sketch

JOB: Aluminum 15'x27' Room w/ 16'x37' Alu Roof
 HOMEOWNER: Mrs. Humball PHONE #: 386-454-8886
 ADDRESS: 971 S.W. Rum Island Ter

COST: 16,578.00

PARCEL: _____

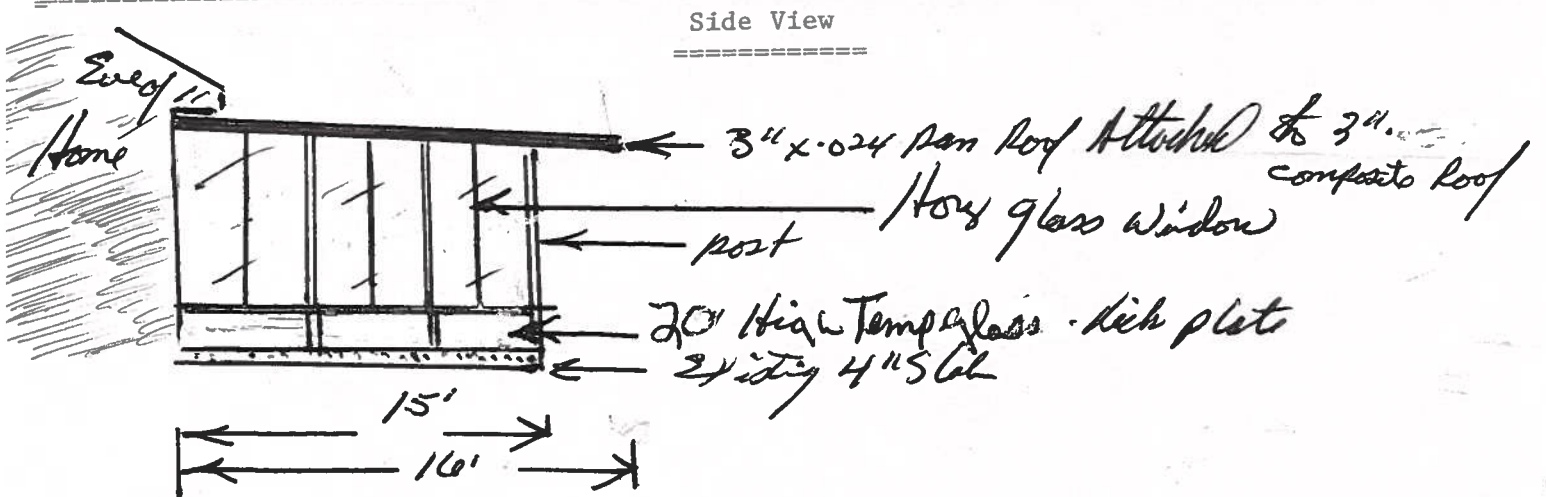
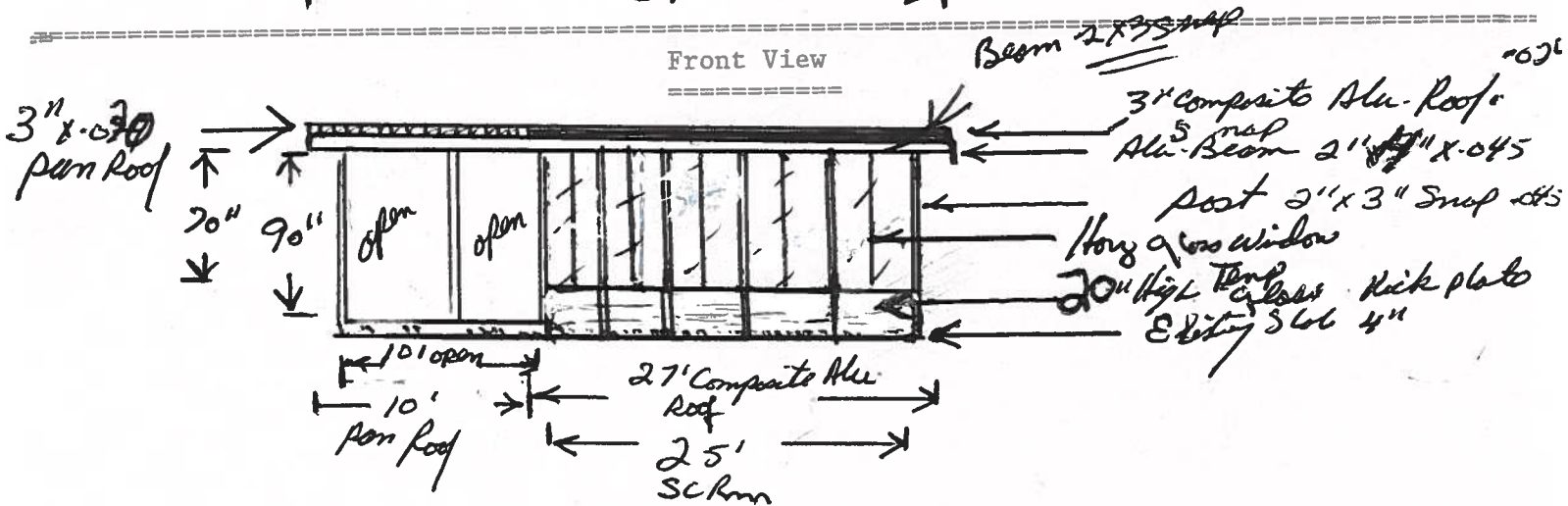
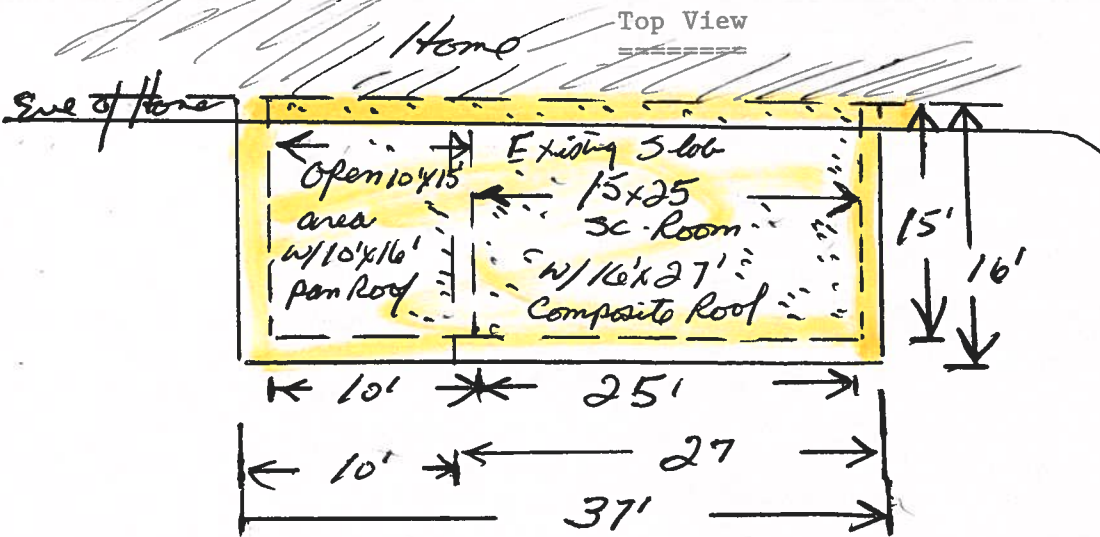
BUILDER: Gator Aluminum, INC.

PHONE #: 372-9767

P.O. Box 14165

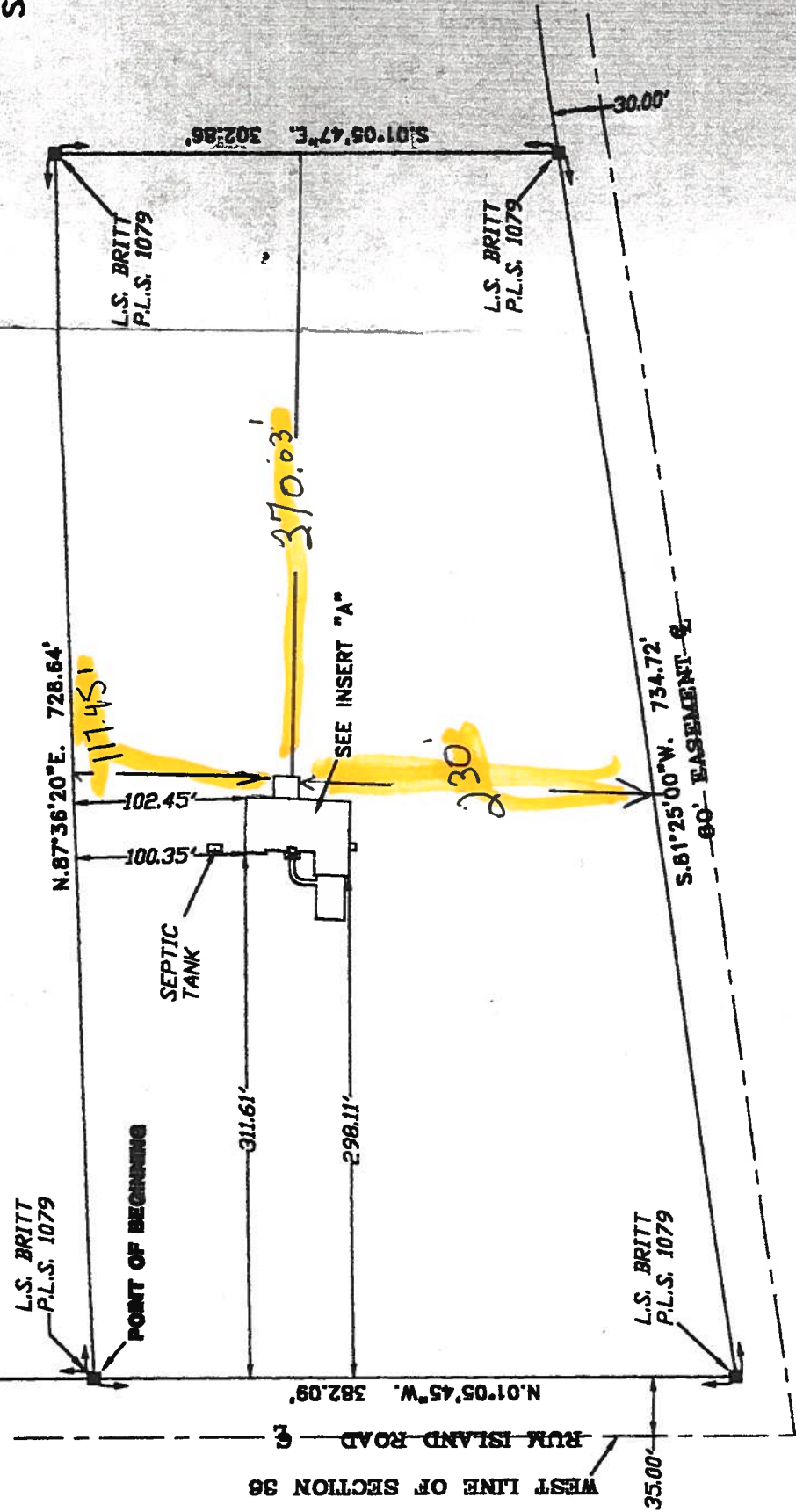
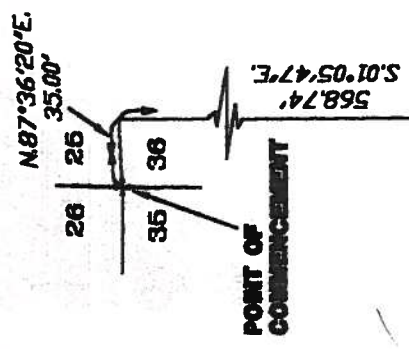
Gainesville, FL 32604 - 2165

Donald L. Russell, President



SURVEYOR'S NOTES:

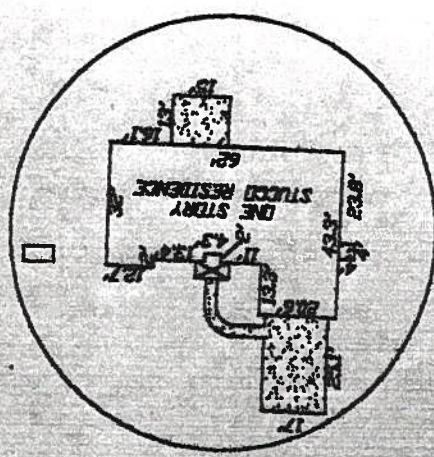
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY DONE BY THIS OFFICE ON DEED 05/20/96.
2. BEARINGS ARE BASED ON DEED OF RECORD.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0270 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.



SCALE: 1" = 100'

SYMBOL		LEGEND
■	4"x4"	CONCRETE MONUMENT
□	4"x4"	CONCRETE MONUMENT
●	○	IRON PIPE FOUND
○	○	IRON PIN AND CAP SET
⊙	⊙	POWER POLE
▲	▲	WATER METER
⊕	⊕	CENTERLINE
*	*	WELL
⊙	⊙	SATELLITE DISH
⊙	⊙	TELEPHONE BOX
---	---	ELECTRIC LINES
---	---	WIRE FENCE
---	---	CHAIN LINK FENCE
---	---	WOODEN FENCE

DESCRIPTION:
A PART OF THE NW 1/4 OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT NORTHWEST CORNER OF SAID SECTION 36 AND RUN N 87° 36' 20" E, ALONG THE NORTH LINE THEREOF, 35.00 TO THE EAST RIGHT-OF-WAY LINE OF RUN ISLAND ROAD 60 FOOT RIGHT-OF-WAY; THENCE S 01° 05' 47" E, ALONG RIGHT-OF-WAY, 568.74 FEET FOR A POINT OF BEGINNING; THENCE N 87° 36' 20" E, 728.64 FEET; THENCE S 01° 05' 47" 302.86 FEET TO THE NORTH LINE OF A 60 FOOT EASEMENT; THENCE S 81° 25' 00" W, ALONG SAID EASEMENT LINE, 734 FEET TO THE SAID EAST RIGHT-OF-WAY; THENCE N 01° 05' 47" W, ALONG SAID EAST RIGHT-OF-WAY, 382.09 FEET TO THE POINT OF BEGINNING CONTAINING 5.73 A. MORE OR LESS.



INSERT "A"
DETAIL SCALE: 1" = 50'

CERTIFIED TO:

SURVEYOR'S CERTIFICATION

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0605-88 Date Received 5-24 By JW Permit # 024631
 Application Approved by - Zoning Official BLK Date 09.06.06 Plans Examiner OK JTH Date 6-12-06
 Flood Zone X Re-evaluated Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments _____

Applicants Name Debra L. Russell Fax: 352)378-6108
 Address PO Box 14165 Gainesville, FL 32604-2165 Phone 352)372-9767
 Owners Name Steve & Nadine Kimball Phone 386)454-8886
 911 Address 971 SW Bum Island Terr. Ft White, FL 32038
 Contractors Name Grator Aluminum, Inc. Phone 352)372-9767
 Address PO Box 14165, Gainesville, FL 32604-2165
 Fee Simple Owner Name & Address Steve & Nadine Kimball 971 SW Bum Island Terr.
 Bonding Co. Name & Address N/A Ft. White, FL 32038
 Architect/Engineer Name & Address Lawrence E. Bennett, P.E. P.O. Box 214368,
386)767-4774 South Daytona, FL 32121
 Mortgage Lenders Name & Address N/A

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

Property ID Number 36-75-1604351-013 Estimated Cost of Construction 16,578.00

Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____

Driving Directions Hwy 49 to ~~exit~~ Hwy 275 to Hwy 138 T/R, go to Bum Island Terr,
T/L, go approx 1 mile, 971 is on the left. (See map on back) →

Type of Construction 15 x 27 alum screen room Number of Existing Dwellings on Property _____

Total Acreage _____ Lot Size w/ glass windows Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 175' Side 50' Side 100' Rear 200'

Total Building Height 90" Number of Stories 1 Heated Floor Area 0 Roof Pitch 12/12

Owner's Note: Alan - Does not match what's the actual distance 75'

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.

Debra L. Russell Owner Builder or Agent (Including Contractor)
Donald H. Russell Pres Grator Aluminum Inc Contractor Signature

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 25th day of May 2006

Personally known ✓ or Produced Identification _____



SHANNON JAYNE PONS
 Notary Public, State of Florida
 My comm. expires June 13, 2008
Shannon Jayne Pons Notary Signature

ACORD™ CERTIFICATE OF LIABILITY INSURANCEDATE (MM/DD/YYYY)
05/22/06

PRODUCER HRH of Gainesville 4880 Newberry Road, Ste. 100 Gainesville, FL 32635-7400 352 378-2511		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURED Gator Aluminum, Inc. P. O. Box 14165 Gainesville, FL 32604		INSURERS AFFORDING COVERAGE	NAIC #
		INSURER A: Cincinnati Insurance Co	10677
		INSURER B: Bridgefield Employers Ins Co	10701
		INSURER C:	
		INSURER D:	
		INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A		GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC	CAP5820664	07/16/05	07/16/06	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
A		AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ☒ NON-OWNED AUTOS	CAP5820664	07/16/05	07/16/06	COMBINED SINGLE LIMIT (Ea accident) \$500,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY ☐ ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
A		EXCESS/UMBRELLA LIABILITY ☒ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☒ RETENTION \$ 0	CAP5820664	07/16/05	07/16/06	EACH OCCURRENCE \$1,000,000 AGGREGATE \$1,000,000 \$ \$ \$
B		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below OTHER	0830263710	01/01/06	01/01/07	☒ WC STATU-TORY LIMITS ☐ OTH-ER E.L. EACH ACCIDENT \$500,000 E.L. DISEASE - EA EMPLOYEE \$500,000 E.L. DISEASE - POLICY LIMIT \$500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

Columbia County Building Dept
P.O. Box 1529
Lake City, FL 32056

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 010 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE



@ CAM112M01	S	CamaUSA Appraisal System		Columbia County
5/24/2006 15:11		Legal Description Maintenance	40755	Land 001
Year T Property		Sel		AG 000
2006 R 36-7S-16-04351-013			115515	Bldg 001
		971 SW RUM ISLAND TERR FW	780	Xfea 001
HX		KIMBALL STEVEN A & MADINE A	157050	TOTAL B

1	COMM NW COR,, RUN E 35 FT TO E	R/W RUM ISLAND RD,, RUN S ALONG	2
3	R/W 568.74 FT FOR POB,, RUN E	728.64 FT,, S 302.86 FT TO N	4
5	LINE OF A 60 FT EASEMENT,, RUN	S 81 DEG W ALONG EASEMENT	6
7	734.72 FT TO E R/W SAID RUM	ISLAND RD,, N ALONG R/W 382.09	8
9	FT TO POB.. ORB 894-1515,,	CD 895-766,,	10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 1/20/2000 TERRY

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

- Auth. Letter w/*
1. NEED SEAL on it from LAWRENCE BENNETT, PE
 - ✓ 2. RECORDING NOC
 - ✓ 3. L# - NEEDS Fr. En. Review
 4. Having directions on application
 5. detailed site plan w/ dimensions
 6. complete application/Notarized



GATOR

ALUMINUM AND WINDOW, INC.

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

Location: 4620 N.W. 13th Street, Gainesville, FL 32609

Telephone: (352) 372-9767

May 25, 2006

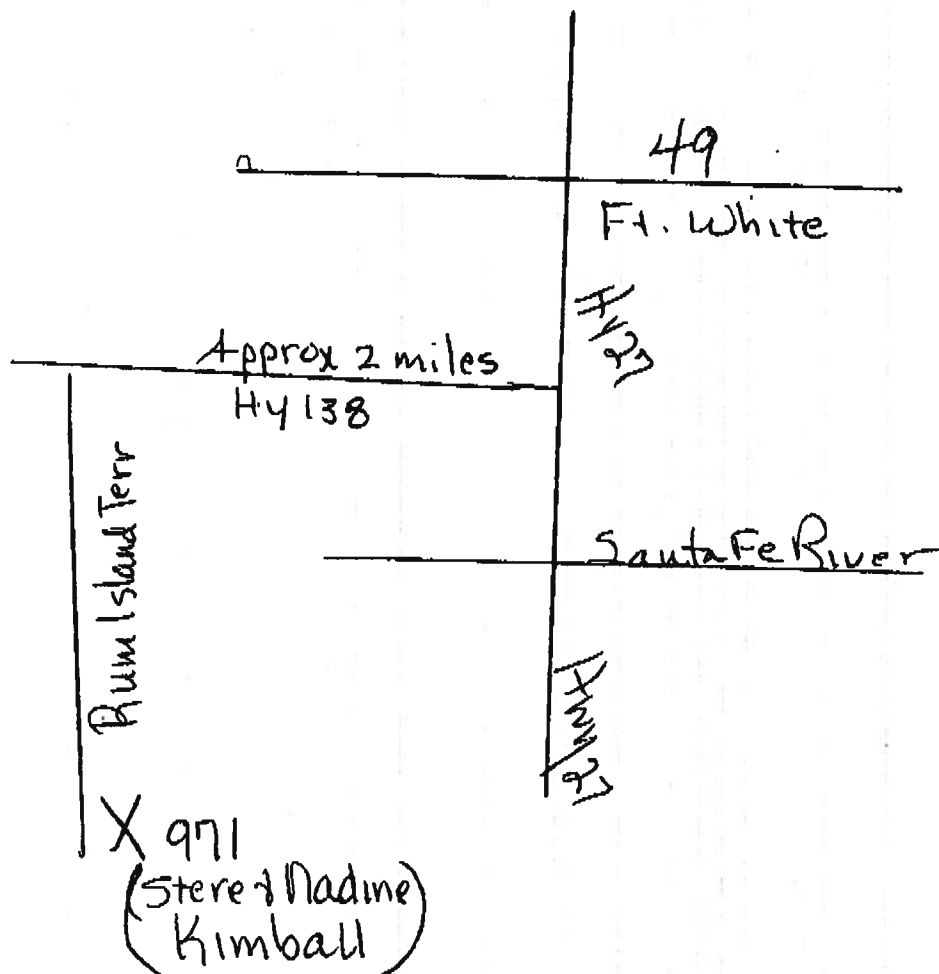
Columbia County

Attn: Ms. Saurce Williams

fax# 386) 758-2160

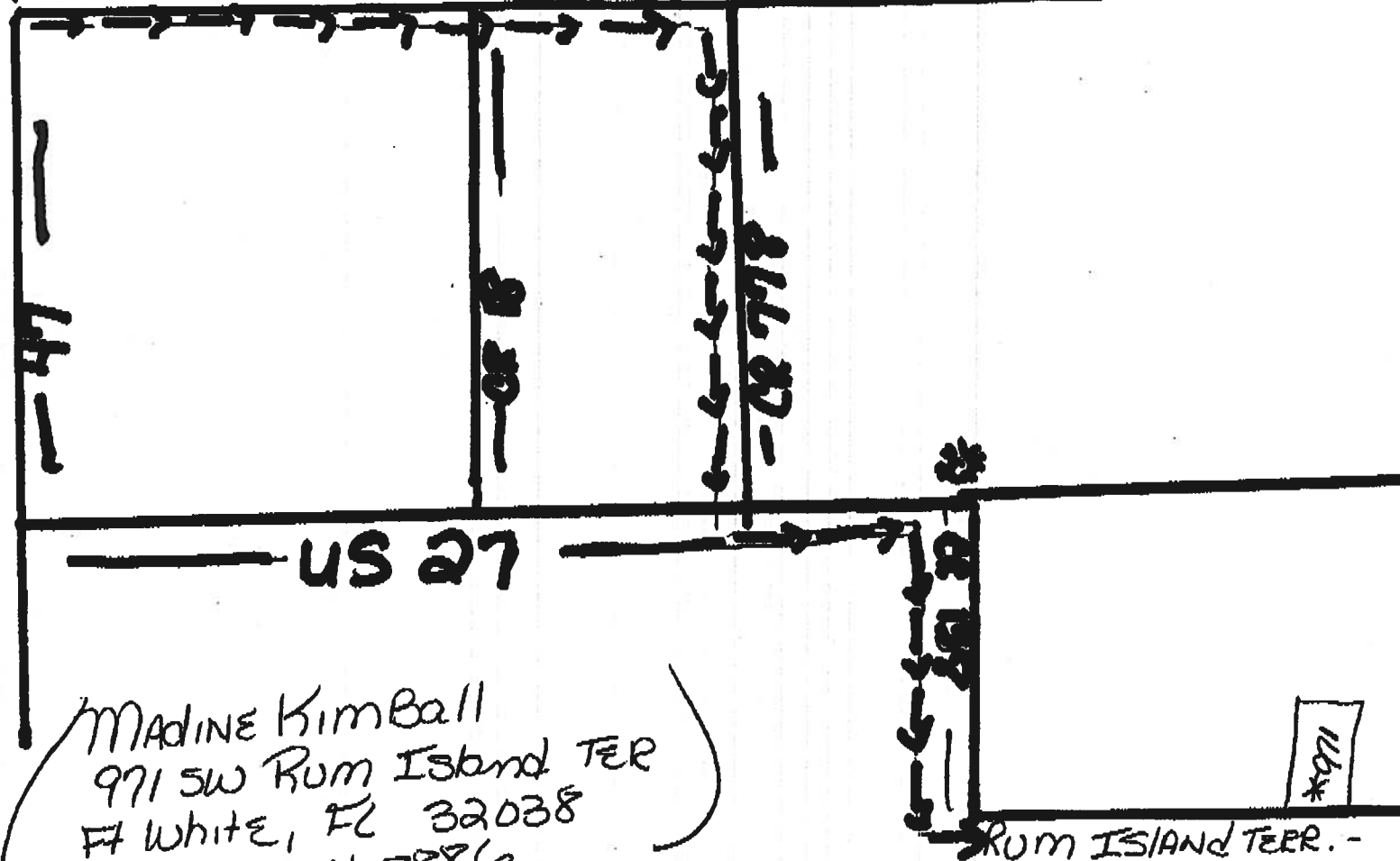
Re: Application # 0605-88

Directions to site:



41-441

NI 5
1508



MADINE KimBall
971 SW Rum Island TER
Ft White, FL 32038
386 454-8886
WK# 497-1066

TAKE 41-441 S. towards HIGH SPRINGS pass 47
 778 - TAKE to the END
 RGS CR 18 - MAKE (R) ON to YELLOW FLASHING Lgt. MAKE
 MAKE (L) ON to US 27. GO to 2 MILES - MAKE (L)
 (R) ON to CR 138 GO about 1/2 MILE ON (L) 971 -
 ON to Rum Island TER. About

NOTICE OF COMMENCEMENT

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

PERMIT #:

PARCEL # *36-75-16-04351-013* *Hx*

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: MAP PAGE #:
STREET ADDRESS:

GENERAL DESCRIPTION OF IMPROVEMENT:

Alu screen room / w/ glass windows (sun room)

OWNER INFORMATION:
OWNER(S) NAME: *Steve, Nadine Kimball* PHONE #:
ADDRESS: *971 SW Romisland terr.*
CITY: *GAINESVILLE FL white* STATE: FL ZIP CODE: *32038*
INTEREST IN THE PROPERTY:
SEE SIMPLE TITLEHOLDER NAME:
SEE SIMPLE TITLEHOLDER ADDRESS: *(if other than owner)*

CONTRACTOR NAME: *RUSSELL, DON* 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: STATE: ZIP CODE:
CITY:

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 *to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.*

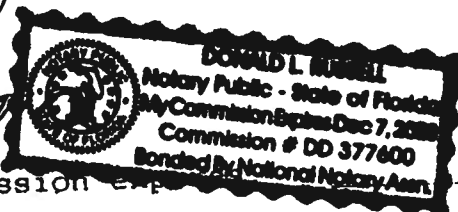
Expiration date is 1 year from the date of recording unless a different date is specified:

SIGNATURE OF OWNER: *Nadine Kimball*
Sworn to and subscribed before me
this *May* day of *2006*.

Known personally/ID shown: *XK514-540-68.7*

Notary: *Donald L Russell*

My commission expires



Section 3B Design Statement:

The structures designed for Section 3 are solid roofs with screen or solid walls and are considered part of an enclosed or partially enclosed structural system since they are designed to be married to an existing structure.

The design wind loads used for glass rooms are from ASCE 7-98 Section 6.5, Analytical Procedure and are in compliance with the 2004 Florida Building Code. The loads assume a mean roof height of less than 30'; roof slope of 20° to 30° (+/- 10°); $I = 0.77$. All pressures shown in the table below are in PSF (#/SF). Negative internal pressure coefficient is 0.18 for enclosed and 0.55 for partially enclosed structures.

Anchors for composite panel roof systems were computed on a load width of 10' and 16' projection with a 2' overhang. Any greater load width shall be site specific.

General Notes and Specifications for Section 3B Tables:

Section 3B Design Loads for Screen, Glass, & Modular Rooms

	Glass Rooms		Over Hang All Roofs
	Enclosed		
	Roof	Wall	
100 MPH	+20 / -20	+15 / -13	+20 / -30
110 MPH	+20 / -23	+18 / -15	+20 / -36
120 MPH	+20 / -27	+22 / -18	+20 / -43
123 MPH	+20 / -29	+23 / -19	+20 / -45
130 MPH	+20 / -32	+25 / -21	+20 / -50
140A & B MPH	+30 / -37	+29 / -25	+30 / -58
150 MPH	+30 / -43	+34 / -28	+30 / -67

Note 1: Framing systems of glass rooms are considered to be main frame resistance components. Wind loads are listed as minus loads for roofs and plus loads for walls. To convert above wind loads to "C" Exposure loads multiply by factors listed in Table 3B-C.

Conversion Table 3B-A

Wind Zone Conversions for Glass & Modular Rooms

From 120 MPH Wind Zone to Others

Wind Zone MPH	Roofs			Walls		
	Applied Load (#/SF)	Deflection (d)	Bending (b)	Applied Load (#/SF)	Deflection (d)	Bending (b)
100	20	1.11	1.16	15	1.14	1.21
110	23	1.05	1.08	18	1.07	1.11
120	27	1.00	1.00	22	1.00	1.00
123	29	0.98	0.96	23	0.99	0.98
130	32	0.94	0.92	25	0.96	0.94
140 A & B	37	0.90	0.85	29	0.91	0.87
150	43	0.86	0.79	34	0.86	0.80

Conversion Table 3B-B

Wind Zone Conversions for Over Hangs

(for All Room Types)

From 120 MPH Wind Zone to Others

Wind Zone MPH	Applied Load (#/SF)	Deflection (d)	Bending (b)
100	30	1.13	1.20
110	36	1.06	1.09
120	43	1.00	1.00
123	45	0.98	0.98
130	50	0.95	0.93
140 A & B	58	0.91	0.86
150	67	0.86	0.80

Conversion Table 3B-C

Conversion Based on Mean Height of Host Structure for Glass & Modular Rooms

From Exposure 'B' to 'C'

Mean Host Structure Height	Load Multiplier	Span Multiplier	
		Pans	Composite Panels
0 - 15'	1.21	0.94	0.91
15' - 20'	1.29	0.92	0.88
20' - 25'	1.34	0.91	0.86
25' - 30'	1.40	0.89	0.85

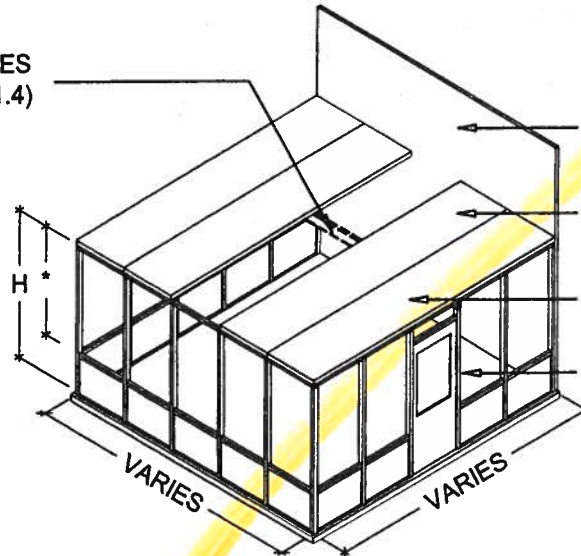
Conversion Table 3B-D

for Glass & Modular Rooms

from Enclosed to Partially Enclosed

	Roof	Walls
bending (b)	0.92	0.90
deflection (d)	0.90	0.85

INTERIOR BEAM (SEE TABLES
3B.1.4)



HOST STRUCTURE OR
FOURTH WALL FRAME

PANS OR PANELS

ALUMINUM ROOF SYSTEM
PER SECTION 7

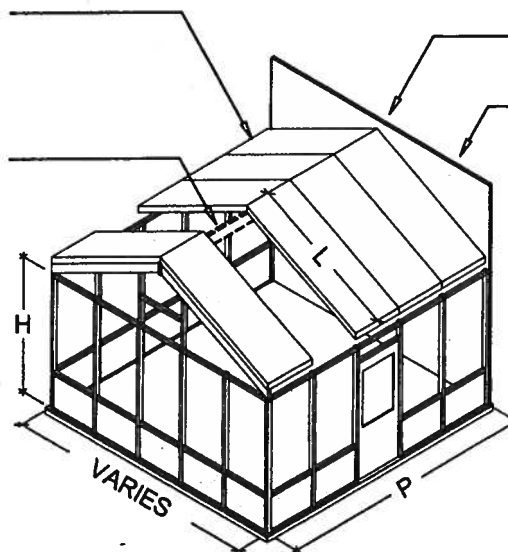
CARRIER BEAM POST

TYPICAL SLOPED SOLID ROOF ENCLOSURE

SCALE: N.T.S.

ALUMINUM ROOF SYSTEM
PER SECTION 7

RIDGE BEAM (SEE TABLES
3B.1.5)



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

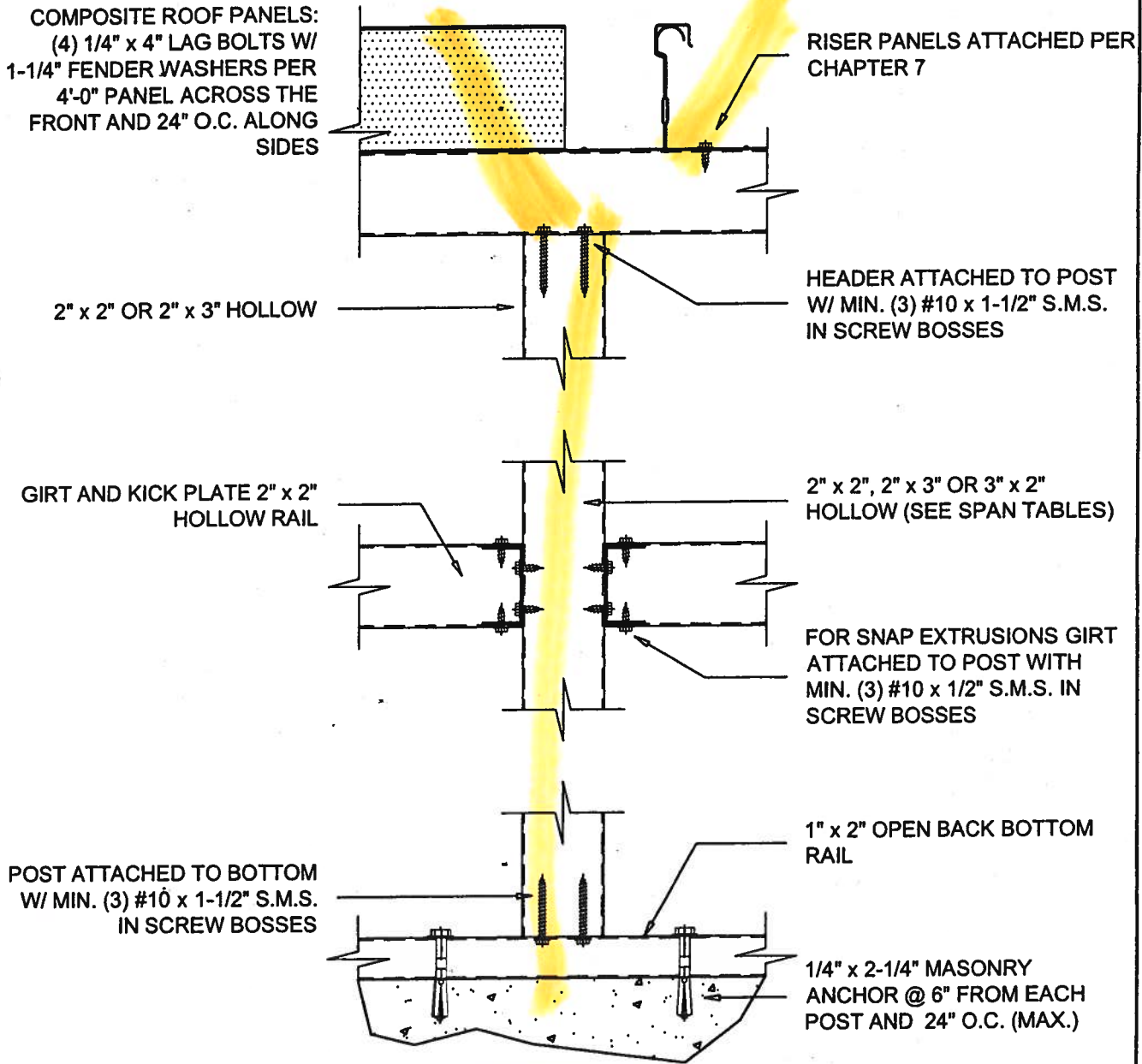
P.O. BOX 214368, SOUTH DAYTONA, FL 32121

TELEPHONE: (386) 767-4774

FAX: (386) 767-6556

SECTION 3B

GLASS & MODULAR ROOMS



TYPICAL UPRIGHT DETAIL

SCALE: 3" = 1'-0"

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

SECTION 3B

GLASS & MODULAR ROOMS

Table 3B.1.1-110 Allowable Edge Beam Spans - Hollow Extrusions
Glass & Modular Rooms

For 3 second wind gust at 110 MPH velocity; using design load of 23 #/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	4'-2" d	5'-1" b	4'-10" b	1'-1" d	5	4'-5" d	5'-6" d	5'-4" b	1'-2" d
6	3'-11" d	4'-7" b	4'-5" b	1'-0" d	6	4'-2" d	5'-0" b	4'-10" b	1'-1" d
7	3'-9" d	4'-3" b	4'-1" b	0'-11" d	7	3'-11" d	4'-8" b	4'-6" b	1'-0" d
8	3'-7" d	3'-11" b	3'-10" b	0'-11" d	8	3'-9" d	4'-4" b	4'-2" b	0'-11" d
9	3'-4" b	3'-9" b	3'-8" b	0'-10" d	9	3'-8" d	4'-1" b	3'-11" b	0'-11" d
10	3'-2" b	3'-7" b	3'-5" b	0'-10" d	10	3'-6" b	3'-11" b	3'-9" b	0'-11" d
11	3'-0" b	3'-5" b	3'-3" b	0'-10" d	11	3'-4" b	3'-9" b	3'-7" b	0'-10" d
12	2'-11" b	3'-3" b	3'-2" b	0'-10" d	12	3'-2" b	3'-7" b	3'-5" 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	4'-9" d	5'-10" d	5'-10" b	1'-2" d	5	5'-4" d	6'-7" d	6'-8" d	1'-4" d
6	4'-5" d	5'-6" d	5'-4" b	1'-2" d	6	4'-11" d	6'-2" d	6'-3" d	1'-3" d
7	4'-3" d	5'-1" b	4'-11" b	1'-1" d	7	4'-9" d	5'-10" d	5'-11" b	1'-3" d
8	4'-0" d	4'-9" b	4'-7" b	1'-0" d	8	4'-6" d	5'-7" d	5'-6" b	1'-2" d
9	3'-11" d	4'-6" b	4'-4" b	0'-11" d	9	4'-4" d	5'-4" b	5'-2" b	1'-1" d
10	3'-9" d	4'-3" b	4'-2" b	0'-11" d	10	4'-3" d	5'-1" b	4'-11" b	1'-1" d
11	3'-8" d	4'-1" b	3'-11" b	0'-11" d	11	4'-1" d	4'-10" b	4'-8" b	1'-0" d
12	3'-6" b	3'-11" b	3'-9" b	0'-11" d	12	3'-11" d	4'-8" b	4'-6" b	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	5'-10" d	6'-10" b	6'-7" b	1'-6" d	5	7'-7" d	8'-8" b	8'-5" b	1'-11" d
6	5'-6" d	6'-3" b	6'-0" b	1'-5" d	6	7'-1" b	7'-11" b	7'-8" b	1'-10" d
7	5'-2" b	5'-9" b	5'-7" b	1'-4" d	7	6'-7" b	7'-4" b	7'-1" b	1'-9" d
8	4'-10" b	5'-5" b	5'-2" b	1'-3" d	8	6'-2" b	6'-11" b	6'-8" b	1'-8" d
9	4'-7" b	5'-1" b	4'-11" b	1'-3" d	9	5'-10" b	6'-6" b	6'-3" b	1'-7" d
10	4'-4" b	4'-10" b	4'-8" b	1'-2" d	10	5'-6" b	6'-2" b	5'-11" b	1'-6" d
11	4'-1" b	4'-7" b	4'-5" b	1'-2" d	11	5'-3" b	5'-10" b	5'-8" b	1'-6" d
12	3'-11" b	4'-5" b	4'-3" b	1'-1" d	12	5'-0" b	5'-7" b	5'-5" b	1'-5" d

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

CIVIL ENGINEER - DEVELOPMENT CONSULTANT
 P.O. BOX 214388, SOUTH DAYTONA, FL 32121
 TELEPHONE: (386) 767-4774
 FAX: (386) 767-6556

SECTION 3B

GLASS & MODULAR ROOMS

**Table 3B.2.1 Allowable Upright Heights, Chair Rail Spans or Header Spans
For Glass & Modular Rooms
Aluminum Alloy 6063 T-6**

For 3 second wind gust at 110 MPH velocity; using design load of 18 #/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	6'-10" d	6'-6" d	6'-2" d	5'-11" d	5'-8" b	5'-5" b	5'-2" b	5'-0" b	4'-10" b	4'-8" b
2" x 2" x 0.055" Hollow	7'-3" d	6'-10" d	6'-7" d	6'-4" d	6'-1" d	5'-11" d	5'-8" b	5'-6" b	5'-3" b	5'-1" b
3" x 2" x 0.045" Hollow	7'-9" d	7'-4" d	7'-0" d	6'-9" d	6'-6" d	6'-4" d	6'-2" d	5'-11" d	5'-9" b	5'-7" b
3" x 2" x 0.070" Hollow	8'-8" d	8'-3" d	7'-11" d	7'-7" d	7'-4" d	7'-1" d	6'-11" d	6'-9" d	6'-7" d	6'-5" d
2" x 3" x 0.045" Hollow	9'-7" d	9'-1" d	8'-7" b	8'-1" b	7'-8" b	7'-4" b	7'-0" b	6'-9" b	6'-6" b	6'-3" b
2" x 4" x 0.050" Hollow	12'-5" d	11'-9" b	11'-0" b	10'-4" b	9'-10" b	9'-5" b	8'-11" b	8'-8" b	8'-4" b	8'-0" b
2" x 5" x 0.050" S.M.B.	17'-2" d	16'-4" d	15'-7" d	15'-0" d	14'-3" b	13'-7" b	13'-0" b	12'-6" b	12'-1" b	11'-8" b
2" x 6" x 0.050" S.M.B.	20'-1" d	19'-1" d	18'-3" d	17'-5" b	16'-6" b	15'-9" b	15'-1" b	14'-6" b	13'-11" b	13'-6" b
2" x 2" x 0.044" Snap	7'-8" d	7'-4" d	6'-11" d	6'-9" d	6'-6" d	6'-3" d	6'-1" d	5'-11" d	5'-9" b	5'-7" b
2" x 3" x 0.045" Snap	10'-4" d	9'-10" d	9'-5" d	9'-1" d	8'-8" b	8'-4" b	7'-11" b	7'-8" b	7'-4" b	7'-1" b
2" x 4" x 0.045" Snap	13'-1" d	12'-5" d	11'-11" d	11'-3" b	10'-8" b	10'-2" b	9'-9" b	9'-4" b	8'-11" b	8'-8" b

For 3 second wind gust at 120 MPH velocity; using design load of 22 #/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	6'-5" d	6'-1" d	5'-9" b	5'-5" b	5'-2" b	4'-11" b	4'-8" b	4'-6" b	4'-4" b	4'-3" b
2" x 2" x 0.055" Hollow	6'-9" d	6'-5" d	6'-2" d	5'-11" d	5'-8" b	5'-4" b	5'-2" b	4'-11" b	4'-9" b	4'-7" b
3" x 2" x 0.045" Hollow	7'-3" d	6'-10" d	6'-7" d	6'-4" d	6'-1" d	5'-11" b	5'-8" b	5'-5" b	5'-3" b	5'-1" b
3" x 2" x 0.070" Hollow	8'-1" d	7'-9" d	7'-5" d	7'-1" d	6'-10" d	6'-8" d	6'-5" d	6'-3" d	6'-1" d	5'-11" d
2" x 3" x 0.045" Hollow	8'-11" d	8'-4" b	7'-9" b	7'-4" b	6'-11" b	6'-8" b	6'-4" b	6'-1" b	5'-11" b	5'-8" b
2" x 4" x 0.050" Hollow	11'-6" b	10'-8" b	9'-11" b	9'-5" b	8'-11" b	8'-6" b	8'-1" b	7'-10" b	7'-6" b	7'-3" b
2" x 5" x 0.050" S.M.B.	16'-1" d	15'-3" d	14'-5" b	13'-7" b	12'-11" b	12'-4" b	11'-9" b	11'-4" b	10'-11" b	10'-7" b
2" x 6" x 0.050" S.M.B.	18'-10" d	17'-10" b	16'-8" b	15'-9" b	14'-11" b	14'-3" b	13'-8" b	13'-1" b	12'-8" b	12'-2" b
2" x 2" x 0.044" Snap	7'-2" d	6'-10" d	6'-6" d	6'-3" d	6'-1" d	5'-10" b	5'-7" b	5'-5" b	5'-2" b	5'-0" b
2" x 3" x 0.045" Snap	9'-8" d	9'-3" d	8'-10" b	8'-4" b	7'-10" b	7'-6" b	7'-2" b	6'-11" b	6'-8" b	6'-5" b
2" x 4" x 0.045" Snap	12'-3" d	11'-6" b	10'-9" b	10'-2" b	9'-8" b	9'-2" b	8'-9" b	8'-5" b	8'-2" b	7'-10" 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.

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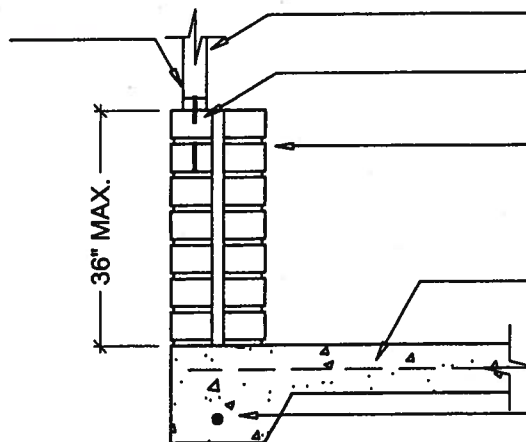
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1/4" x 6" RAWL TAPPER
THROUGH 1" x 2" AND ROW
LOCK INTO FIRST COURSE OF
BRICKS

ALTERNATE CONNECTION OF
SCREENED ENCLOSURE FOR
BRICK OR OTHER NON-
STRUCTURAL KNEE WALL
1" WIDE x 0.063" THICK STRAP
@ EACH POST FROM POST TO
FOOTING W/ (2) #10 x 3/4"
S.M.S. STRAP TO POST AND
(1) 1/4" x 1-3/4" TAPCON TO
SLAB OR FOOTING



ALUMINUM FRAME SCREEN
WALL

ROW LOCK

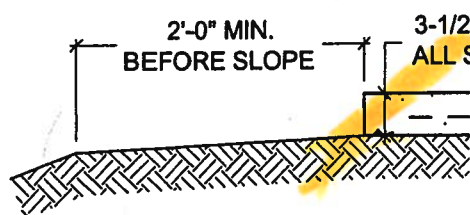
BRICK KNEEWALL TYPE S
MORTAR REQUIRED FOR
LOAD BEARING BRICK WALL

4" (NOMINAL) PATIO
CONCRETE SLAB W/ 6 x 6 -
10 x 10 WELDED WIRE MESH
(SEE NOTES CONCERNING
FIBER MESH)

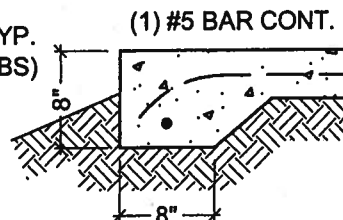
(1) #5 Ø BARS W/ 3" COVER
(TYPICAL)

BRICK KNEE WALL AND FOUNDATION FOR SCREEN WALLS

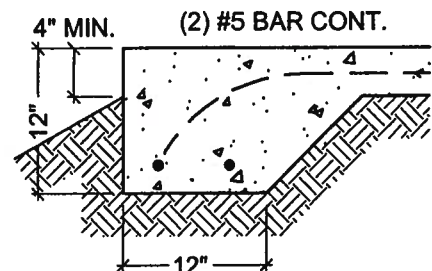
SCALE: 3/4" = 1'-0"



TYPE I
FLAT SLOPE / NO FOOTING
0'-2" / 12"



TYPE II
MODERATE SLOPE FOOTING
2" / 12" - 1'-10"



TYPE III
STEEP SLOPE FOOTING
> 1'-10"

Notes:

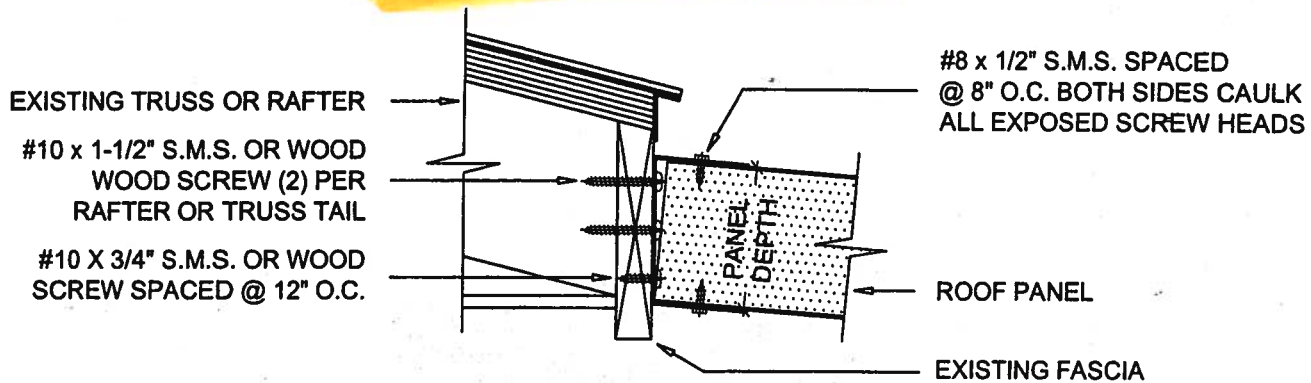
1. The foundations shown are based on a minimum soil bearing pressure of 1,500 psf. Bearing capacity of soil shall be verified, prior to placing the slab, by field soil test or a soil testing lab.
2. The slab / foundation shall be cleared of debris, roots, and compacted prior to placement of concrete.
3. No footing other than 3-1/2" (4" nominal) slab is required except when addressing erosion until the projection from the host structure of the carport or patio cover exceeds 20'-0". Then a minimum of a Type II footing is required. All slabs shall be 3-1/2" (4" nominal) thick.
4. Monolithic slabs and footings shall be minimum 2,500 psi concrete with 6 x 6 - 10 x 10 welded wire mesh or crack control fiber mesh: Fibermesh ® Mesh, InForce™ e3™ (Formerly Fibermesh MD) per manufacturer's specification may be used in lieu of wire mesh.
5. If local building codes require a minimum footing use Type II footing or footing section required by local code. Local code governs.
(See additional detail for structures located in Orange County, FL)
6. If a carrier beam or fourth wall frame is required use a Type II footing minimum.

SLAB-FOOTING DETAILS

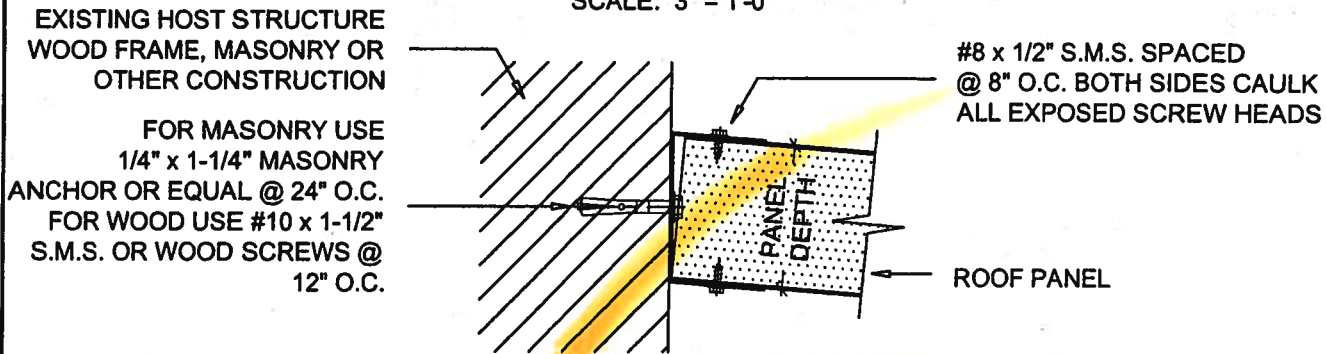
SCALE: 3/4" = 1'-0"

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COMPOSITE ROOF ANCHORING DETAILS**ROOF PANEL TO FASCIA DETAIL**

SCALE: 3" = 1'-0"

**ROOF PANEL TO WALL DETAIL**

SCALE: 3" = 1'-0"

WOOD STRUCTURES SHOULD CONNECT TO TRUSS BUTTS OR THE SUB-FASCIA FRAMING WHERE POSSIBLE ONLY. 15% OF SCREWS CAN BE OUTSIDE THE TRUSS BUTTS. SUB-FASCIA AND THOSE AREAS SHALL HAVE DOUBLE ANCHORS. ALL SCREWS INTO THE HOST STRUCTURE SHALL HAVE MINIMUM 1-1/4" WASHERS OR SHALL BE WASHER HEADED SCREWS.

HEADER INSIDE DIMENSION SHALL BE EQUAL TO PANEL OR PAN'S DEPTH "t". THE WALL THICKNESS SHALL BE THE THICKNESS OF THE ALUMINUM PAN OR COMPOSITE PANEL WALL THICKNESS. HEADERS SHALL BE ANCHORED TO THE HOST STRUCTURE WITH ANCHORS APPROPRIATE FOR THE MATERIAL CONNECTED TO. THE ANCHORS DETAILED ABOVE ARE BASED ON A LOAD FROM 120 M.P.H. FOR SBC SECTION 1606 FOR A MAXIMUM POSSIBLE SPAN OF THE ROOF PANEL FROM THE HOST STRUCTURE.

ANCHORS BASED ON 120 MPH WIND VELOCITY. FOR HIGHER WIND ZONES USE THE FOLLOWING CONVERSION:

100 -123	130	140	150
#8	#10	#12	#12

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PAN ROOF ANCHORING DETAILS

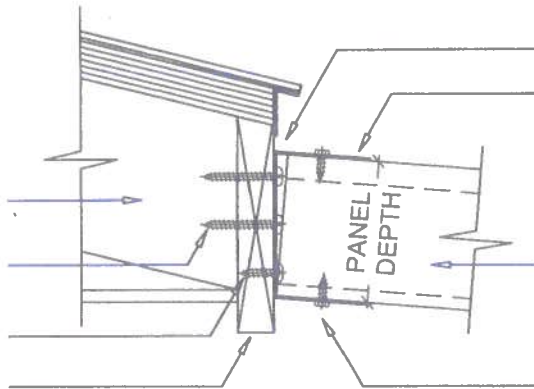
ALTERNATE CONNECTION:
(3) #8 SCREWS PER PAN WITH
1" MINIMUM EMBEDMENT INTO
FASCIA THROUGH PAN BOXED
END

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

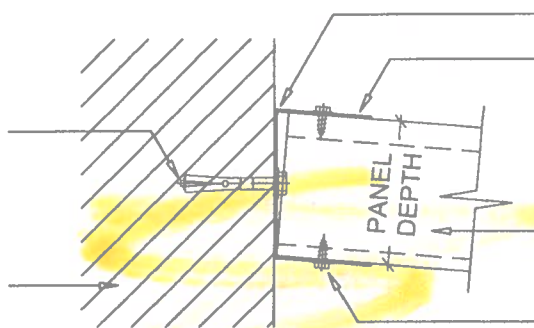
#8 x 1/2" S.M.S. (3) PER PAN
(BOTTOM) AND (1) @ RISER
(TOP) CAULK ALL EXPOSED
SCREW HEADS

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 RISER SCREW. #8 x 9/16" TEK SCREWS ARE ALLOWED AS A SUBSTITUTE FOR #8 x 1/2" S.M.S.

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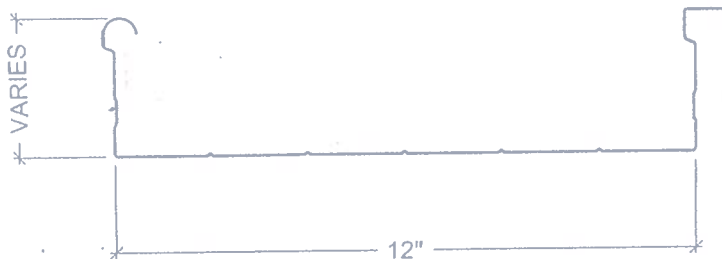
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FAX: (386) 767-6556

SECTION 7

SOLID ROOF PANEL PRODUCTS

**12" x VARIOUS HEIGHT RISER ROOF PANEL**

SCALE: 3" = 1'-0"

Table 7.3.1 Allowable Spans for Riser Panels for Various Loads
Metals USA Building Products L.P.
Manufacturers Proprietary Products: 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	13'-4"	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"

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

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

**Building Products L.P.**

7815 American Way, Groveland, FL 34736
TEL: (352) 787-7766 x202 FAX: (352) 429-2011
TOLL FREE: 1-800-342-9077 bkaufmann@metalsusa.com

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SOLID ROOF PANEL PRODUCTS

SECTION 7

Table 7.4.1 **Structall Building Systems Inc. Snap & Lock® Composite Roof Panels**
Allowable Spans for Composite Roof Panels @ Various Loads
Aluminum Alloy 3105 H-14, H-25 Foam Core E.P.S. 1# Density
Manufacturers Proprietary Products:

3" x 48" x 0.024" Roof Panel

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	21'-4"	23'-10"	23'-0"	20'-4"	22'-9"	21'-11"	15'-1"	17'-9"	16'-3"	4'-0"
110 MPH	21'-4"	23'-10"	23'-0"	18'-8"	20'-11"	20'-2"	13'-9"	15'-4"	14'-10"	4'-0"
120 MPH	20'-4"	22'-9"	21'-11"	17'-5"	19'-5"	18'-10"	12'-6"	13'-11"	13'-6"	4'-0"
123 MPH	19'-6"	21'-10"	21'-1"	15'-11"	18'-11"	18'-3"	11'-8"	13'-8"	13'-2"	4'-0"
130 MPH	18'-0"	20'-2"	19'-5"	15'-1"	17'-9"	16'-3"	11'-1"	12'-11"	12'-6"	4'-0"
140 MPH	12'-4"	13'-9"	13'-3"	12'-4"	13'-9"	13'-3"	10'-3"	11'-6"	11'-1"	4'-3"
150 MPH	12'-4"	13'-9"	13'-3"	12'-4"	13'-9"	13'-3"	9'-6"	10'-8"	10'-4"	3'-11"

3" x 48" x 0.030" Roof Panel

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	24'-11"	27'-11"	27'-0"	23'-10"	26'-8"	25'-9"	18'-8"	20'-10"	20'-2"	4'-0"
110 MPH	24'-11"	27'-11"	27'-0"	21'-11"	24'-6"	23'-8"	16'-2"	19'-3"	18'-8"	4'-0"
120 MPH	23'-10"	26'-8"	25'-9"	20'-5"	22'-10"	22'-1"	14'-8"	17'-8"	15'-10"	4'-0"
123 MPH	22'-11"	25'-7"	24'-9"	19'-10"	22'-2"	21'-5"	14'-4"	16'-0"	15'-6"	4'-0"
130 MPH	21'-2"	23'-7"	22'-10"	18'-8"	20'-10"	20'-2"	13'-7"	15'-2"	14'-8"	4'-0"
140 MPH	14'-5"	16'-2"	15'-7"	14'-5"	16'-2"	15'-7"	12'-8"	14'-2"	13'-8"	4'-0"
150 MPH	14'-5"	16'-2"	15'-7"	14'-5"	16'-2"	15'-7"	11'-2"	13'-2"	12'-9"	4'-0"

4" x 48" x 0.024" Roof Panel

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	23'-5"	26'-2"	25'-3"	22'-3"	24'-11"	24'-1"	17'-5"	19'-6"	18'-10"	4'-0"
110 MPH	23'-5"	26'-2"	25'-3"	20'-6"	22'-11"	22'-2"	15'-1"	18'-0"	17'-5"	4'-0"
120 MPH	22'-3"	24'-11"	24'-1"	19'-1"	21'-4"	20'-7"	13'-9"	15'-4"	14'-10"	4'-0"
123 MPH	21'-5"	23'-11"	23'-2"	18'-6"	20'-9"	20'-0"	13'-5"	14'-11"	14'-6"	4'-0"
130 MPH	19'-9"	22'-1"	21'-4"	17'-5"	19'-6"	18'-10"	12'-8"	14'-2"	13'-8"	4'-0"
140 MPH	13'-6"	15'-1"	14'-7"	13'-6"	15'-1"	14'-7"	11'-3"	13'-3"	12'-9"	4'-0"
150 MPH	13'-6"	15'-1"	14'-7"	13'-6"	15'-1"	14'-7"	10'-5"	12'-4"	11'-4"	4'-0"

4" x 48" x 0.030" Roof Panel

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	27'-11"	31'-4"	30'-3"	26'-8"	29'-10"	28'-10"	20'-10"	23'-4"	22'-6"	4'-0"
110 MPH	27'-11"	31'-4"	30'-3"	24'-7"	27'-5"	26'-6"	19'-4"	21'-7"	20'-10"	4'-0"
120 MPH	26'-8"	29'-10"	28'-10"	22'-10"	25'-7"	24'-8"	17'-8"	19'-10"	19'-1"	4'-0"
123 MPH	25'-8"	28'-8"	27'-9"	22'-2"	24'-10"	23'-11"	16'-0"	19'-3"	18'-7"	4'-0"
130 MPH	23'-8"	26'-5"	25'-7"	20'-10"	23'-4"	22'-6"	15'-2"	18'-1"	17'-6"	4'-0"
140 MPH	16'-2"	18'-1"	17'-6"	16'-2"	18'-1"	17'-6"	14'-2"	15'-10"	15'-4"	4'-0"
150 MPH	16'-2"	18'-1"	17'-6"	16'-2"	18'-1"	17'-6"	13'-2"	14'-9"	14'-3"	4'-0"

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

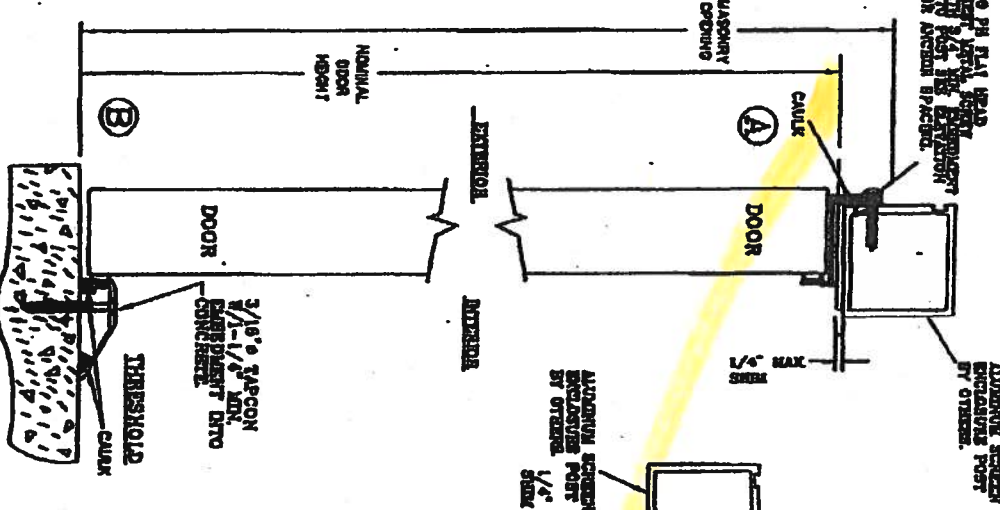


**350 BURBANK ROAD,
 OLDSMAR, FLORIDA 34677
 NATIONWIDE 1-800-229-5257
 LOCAL 813-855-2627
 FAX 813-855-8128**

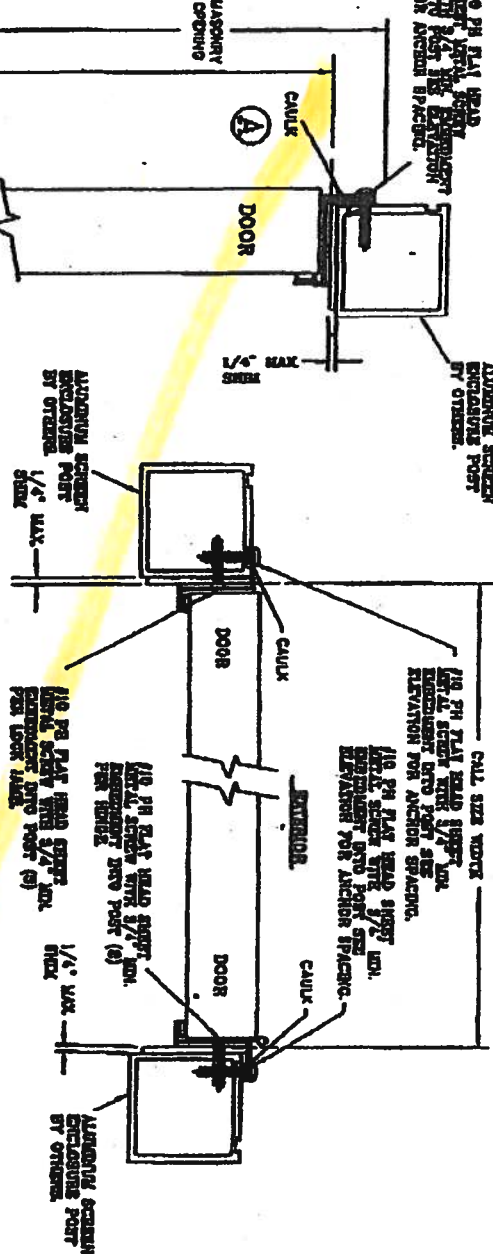
Lawrence E. Bennett, P.E. FL # 16644

**CIVIL ENGINEER - DEVELOPMENT CONSULTANT
 P.O. BOX 214368, SOUTH DAYTONA, FL 32121
 TELEPHONE: (386) 767-4774
 FAX: (386) 767-6556**

HEADER AND THRESHOLD SECTION



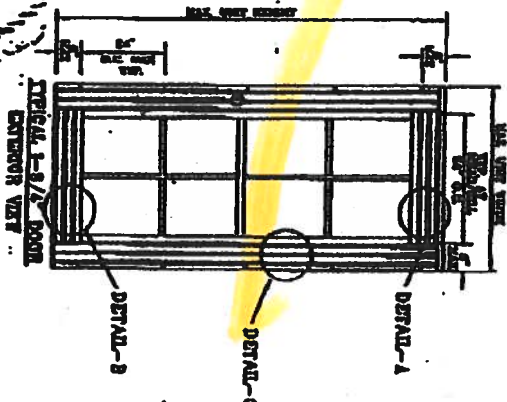
© TYP. JAMB SECTION (OUTSWING SHOWN) (INSWING TYPICAL)

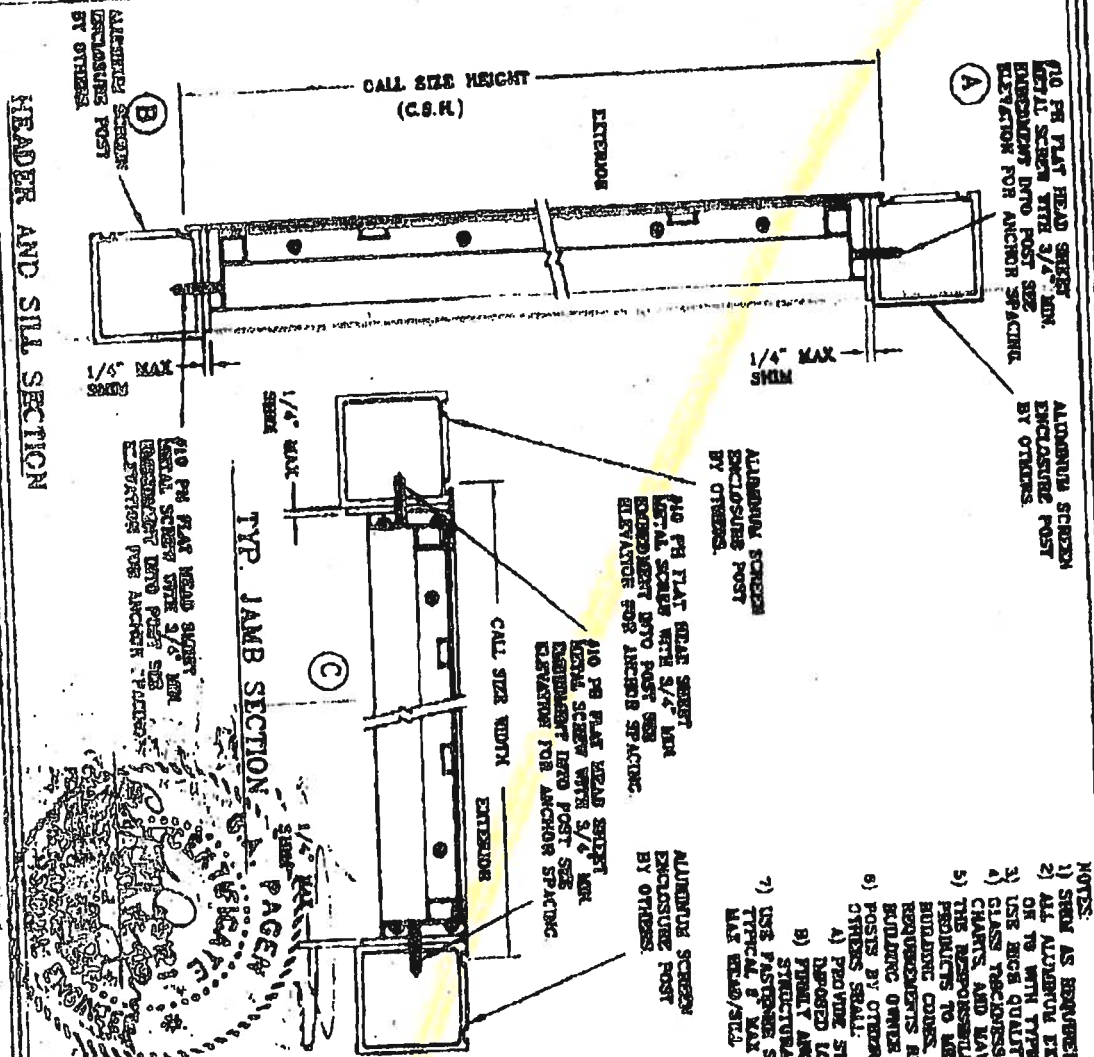


- NOTES:
- 1) SEE AS REQUIRED, MAX. SHOT STAKE 1/4".
 - 2) MATERIAL: ALUMINUM ALLOY 6063-T5.
 - 3) USE HIGH QUALITY CALK SECOND DOOR FLANGE.
 - 4) GLASS THICKNESS BASED ON TABLE 5300 GLASS CHARACTER AND VARY DEPENDING ON SIZE.
 - 5) THE RESPONSIBILITY FOR SELECTION OF NORANDEX PRODUCT TO MEET ANY APPLICABLE LOCAL LAW, BUILDING CODES, ORDINANCES OR OTHER SAFETY REQUIREMENTS REST SOLELY WITH THE ARCHITECT, BUILDING OWNER OR CONTRACTOR.
 - 6) POSTS BY OTHERS - THE POSTS SUPPLIED BY OTHERS SHALL:
 - 7) PROVIDE STRUCTURAL STRENGTH TO CARRY DEPOSED LOADS.
 - 8) TIE-INS ANCHORS ALL FASTENERS TO CARRY STRUCTURAL LOADS.
 - 9) DETAIL FASTENERS INTO ALL FACTORY PREPARED HOLES TO MEET MANUFACTURERS' RECOMMENDATIONS.
 - 10) USE FASTENERS BASED ON ELEVATION VIEW OF TYPICAL 3 WAY FROM ALL CORNERS AND 24"

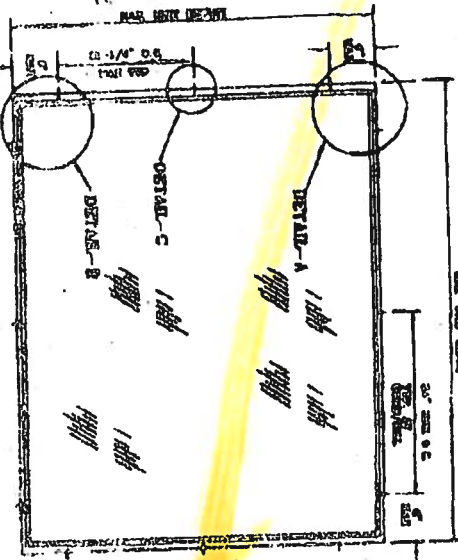
DOOR DIMENSIONS	APERTURE (INCHES)
84"	80"
80"	76"
76"	72"

DP = ±35 PSF





- NOTES:
- 1) SCREEN AS REQUIRED, MAX SCREEN STRIP 1/4"
 - 2) ALL ALUMINUM EXTENSIONS ARE ALLOY 6063-T5 OR T6 WITH TYPICAL WALL THICKNESS OF .082"
 - 3) USE HIGH QUALITY CARBON BROWNS FLANGE
 - 4) GLASS TECHNIQUES BASED ON TANG 8350 GLASS
 - 5) CHARTS AND MAY VARY DEPENDENT ON SOIL
 - 6) THE RESPONSIBILITY FOR SELECTION OF NORANDEX PRODUCTS TO MEET ANY APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES OR OTHER SAFETY REQUIREMENTS REST SOLELY WITH THE ARCHITECT, BUILDING OFFICE OR CONTRACTOR.
 - 7) POSTS BY OTHERS - THE POSTS SUPPLIED BY OTHERS:
 - 8) PROVIDE STRUCTURAL STRENGTH TO CARRY IMPROVED LOADS.
 - 9) PROVIDE ANCHOR ALL FASTENERS TO CARRY STRUCTURAL LOADS.
 - 10) USE FASTENER SCHEDULE ON ELEVATION DRAWING. TYPICAL 8" MAX FROM ALL CORNERS AND 25" O.C. MAX BROW/STL AND 21-1/4" O.C. MAX JAMBS.



UNIT	THICKNESS	WEIGHT (LBS/FT)	WEIGHT (LBS/FT)
18-1/8"	28"	18-1/8"	28"
20-1/2"	28"	20-1/2"	28"
22-1/2"	28"	22-1/2"	28"
24-1/2"	28"	24-1/2"	28"
26-1/2"	28"	26-1/2"	28"
28-1/2"	28"	28-1/2"	28"
30-1/2"	28"	30-1/2"	28"
32-1/2"	28"	32-1/2"	28"
34-1/2"	28"	34-1/2"	28"
36-1/2"	28"	36-1/2"	28"
38-1/2"	28"	38-1/2"	28"
40-1/2"	28"	40-1/2"	28"
42-1/2"	28"	42-1/2"	28"
44-1/2"	28"	44-1/2"	28"
46-1/2"	28"	46-1/2"	28"
48-1/2"	28"	48-1/2"	28"
50-1/2"	28"	50-1/2"	28"
52-1/2"	28"	52-1/2"	28"
54-1/2"	28"	54-1/2"	28"
56-1/2"	28"	56-1/2"	28"
58-1/2"	28"	58-1/2"	28"
60-1/2"	28"	60-1/2"	28"
62-1/2"	28"	62-1/2"	28"
64-1/2"	28"	64-1/2"	28"
66-1/2"	28"	66-1/2"	28"
68-1/2"	28"	68-1/2"	28"
70-1/2"	28"	70-1/2"	28"
72-1/2"	28"	72-1/2"	28"
74-1/2"	28"	74-1/2"	28"
76-1/2"	28"	76-1/2"	28"
78-1/2"	28"	78-1/2"	28"
80-1/2"	28"	80-1/2"	28"
82-1/2"	28"	82-1/2"	28"
84-1/2"	28"	84-1/2"	28"
86-1/2"	28"	86-1/2"	28"
88-1/2"	28"	88-1/2"	28"
90-1/2"	28"	90-1/2"	28"
92-1/2"	28"	92-1/2"	28"
94-1/2"	28"	94-1/2"	28"
96-1/2"	28"	96-1/2"	28"
98-1/2"	28"	98-1/2"	28"
100-1/2"	28"	100-1/2"	28"

437 FIXED WINDOW
INSTALLATION DETAIL
IN ALUMINUM
PORCH ENCLOSURE

NORANDEX
4408 BOLD STREET, SUITE 100
DALLAS, TEXAS 75244
PHONE: (214) 343-1001

437 FIXED WINDOW
INSTALLATION DETAIL
IN ALUMINUM
PORCH ENCLOSURE

1/4" PH FLAT HEAD SHEET
METAL SCREW WITH 3/4"
MIN. ELEVATION INTO POST
SEE ELEVATION FOR ANCHOR
SPACING.

(A)

CALL SIZE HEIGHT

ALUMINUM SCREEN
ENCLOSURE POST
BY OTHERS.

(B)

1/4" MAX
SHIM OPTIONAL

1/4" MAX
SHIM OPTIONAL

1/4" PH FLAT HEAD SHEET
METAL SCREW WITH 3/4"
MIN. ELEVATION INTO POST
SEE ELEVATION FOR ANCHOR
SPACING.

(C)

415 ONLY
TYP. JAMB SECTION

CALL SIZE TIGHT

ALUMINUM SCREEN
ENCLOSURE POST
BY OTHERS.

1/4" PH FLAT HEAD SHEET
METAL SCREW WITH 3/4"
MIN. ELEVATION INTO POST
SEE ELEVATION FOR ANCHOR
SPACING.

1/4" PH FLAT HEAD SHEET
METAL SCREW WITH 3/4"
MIN. ELEVATION INTO POST
SEE ELEVATION FOR ANCHOR
SPACING.

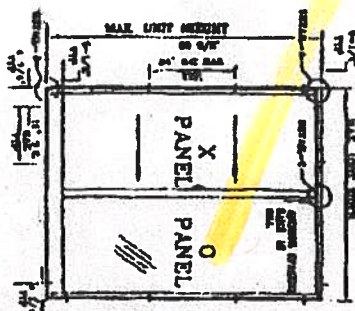
ALUMINUM SCREEN
ENCLOSURE POST
BY OTHERS.

- NOTES:
- 1) SHIMS ARE OPTIONAL. MAX SHIM STACK 1/4".
 - 2) ALL ALUMINUM EXTRUSIONS ARE ALLOY 6063-T5.
 - 3) OR 70 WITH TYPICAL WALL THICKNESS OF 0.063".
 - 4) USE HIGH QUALITY CASTED WINDOW FLANGE.
 - 5) GLASS THICKNESS BASED ON ASTM E 1308 GLASS.
 - 6) CHARGE, AND MAY VARY DEPENDING ON SIZE.
 - 7) THE RESPONSIBILITY FOR SELECTION OF NORANDEX PRODUCTS TO MEET ANY APPLICABLE LOCAL, STATE, BUILDING CODES, ORDINANCES OR OTHER SAFETY REQUIREMENTS, REST SOLELY WITH THE ARCHITECT, BUILDING OWNER OR CONTRACTOR.
 - 8) POSTS BY OTHERS - THE POSTS SUPPLIED BY OTHERS SHALL:
 - A) PROVIDE STRUCTURAL STRENGTH TO CARRY DEPOSED LOADS.
 - B) PROVIDE ANCHOR ALL FASTENERS TO CARRY STRUCTURAL LOADS.
 - 9) EQUAL FASTENERS AT HEAD AND SILL ARE REQUIRED.

WINDOW DIMENSIONS	PASTEREN SCHEDULE	NO. ANCHORS HEAD/SILL SIZE (PSI)	NO. JAMBS SIZE (PSI)
WIDTH (INCHES)	HEIGHT (INCHES)		
36-1/2"	20"	2	2
37-1/2"	20"	2	2
38-1/2"	20"	2	2
39-1/2"	20"	2	2
40-1/2"	20"	2	2
41-1/2"	20"	2	2
42-1/2"	20"	2	2
43-1/2"	20"	2	2
44-1/2"	20"	2	2
45-1/2"	20"	2	2
46-1/2"	20"	2	2
47-1/2"	20"	2	2
48-1/2"	20"	2	2
49-1/2"	20"	2	2
50-1/2"	20"	2	2
51-1/2"	20"	2	2
52-1/2"	20"	2	2
53-1/2"	20"	2	2
54-1/2"	20"	2	2
55-1/2"	20"	2	2
56-1/2"	20"	2	2
57-1/2"	20"	2	2
58-1/2"	20"	2	2
59-1/2"	20"	2	2
60-1/2"	20"	2	2
61-1/2"	20"	2	2
62-1/2"	20"	2	2
63-1/2"	20"	2	2
64-1/2"	20"	2	2
65-1/2"	20"	2	2
66-1/2"	20"	2	2
67-1/2"	20"	2	2
68-1/2"	20"	2	2
69-1/2"	20"	2	2
70-1/2"	20"	2	2
71-1/2"	20"	2	2
72-1/2"	20"	2	2

HEADER AND SILL SECTION

CHARLES A. PACER, P.E.
FL. REG. ENG. # 49121
DATE 3/5/02



SERIES: 437/415
ALUMINUM GLIDER
NORANDEX
4005 30th STREET UNIT 1

437/415 GLIDER
INSTALLATION DETAIL

DATE: 3/5/02
SCALE: N.P.S.
REV. BY: J.R.M.
CHK. BY: [Signature]



GATOR

ALUMINUM AND WINDOW, INC.

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

Location: 4620 N.W. 13th Street, Gainesville, FL 32609

Telephone: (352) 372-9767

May 25, 2006

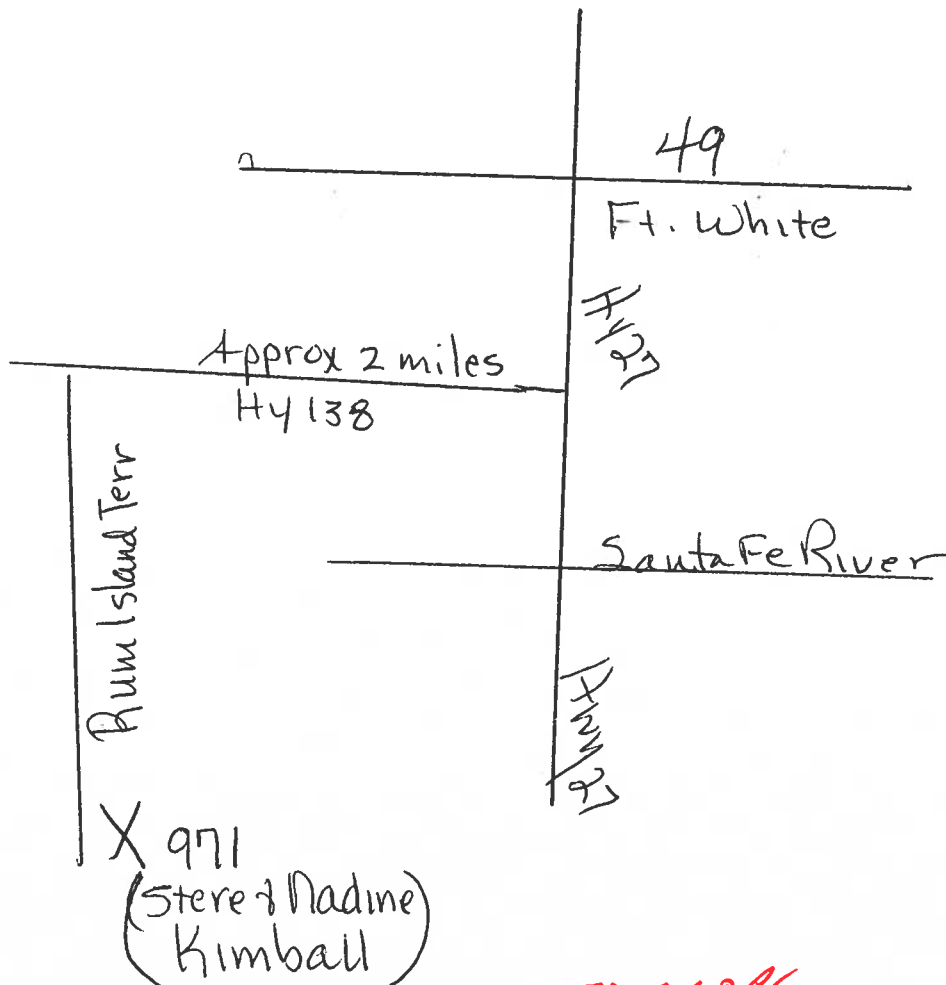
Columbia County

Attn: Ms. Janice Williams

fax# 386) 758-2160

Re: Application # 0605-88

Directions to site:



OFFICE COPY

January 01, 2006

LAWRENCE E. BENNETT, P.E.
P.O. BOX 214368
SOUTH DAYTONA, FL 32121
386-767-4774

TO ALL BUILDING DEPARTMENTS

Re: Master File Engineering
"ALUMINUM STRUCTURES DESIGN MANUAL"
2004 edition & 2006 edition

Dear Building Official/Plans Examiner,

This is to certify that the following contractor/company is hereby authorized to use my 2004 ed "ALUMINUM STRUCTURES DESIGN MANUAL" during the year 2006. When we publish and distribute the 2006 ed of the "ALUMINUM STRUCTURES DESIGN MANUAL", they will be authorized to use that manual for the remainder of 2006.

Our authorization is based on a January to January basis regardless of the edition of the manual. This authorization also applies to contractor master file drawings, "ONE PERMIT ONLY" drawings or any "site specific" drawings that I may furnish the contractor.

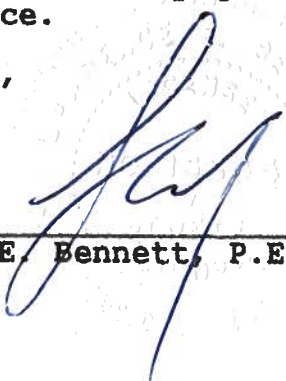
Donald L Russell

Gator Aluminum, Inc
P.O. Box 14165
Gainesville, FL 32604-2165

They are hereby added to my 2006 MASTERFILE LIST

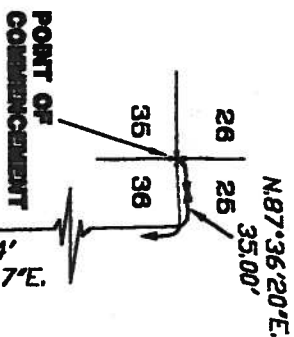
Should you have any questions please contact me at your convenience.

Sincerely,



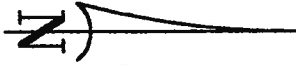
Lawrence E. Bennett, P.E. #16644

BOUNDARY SURVEY IN SECTION 36, TOWNSHIP 7 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.

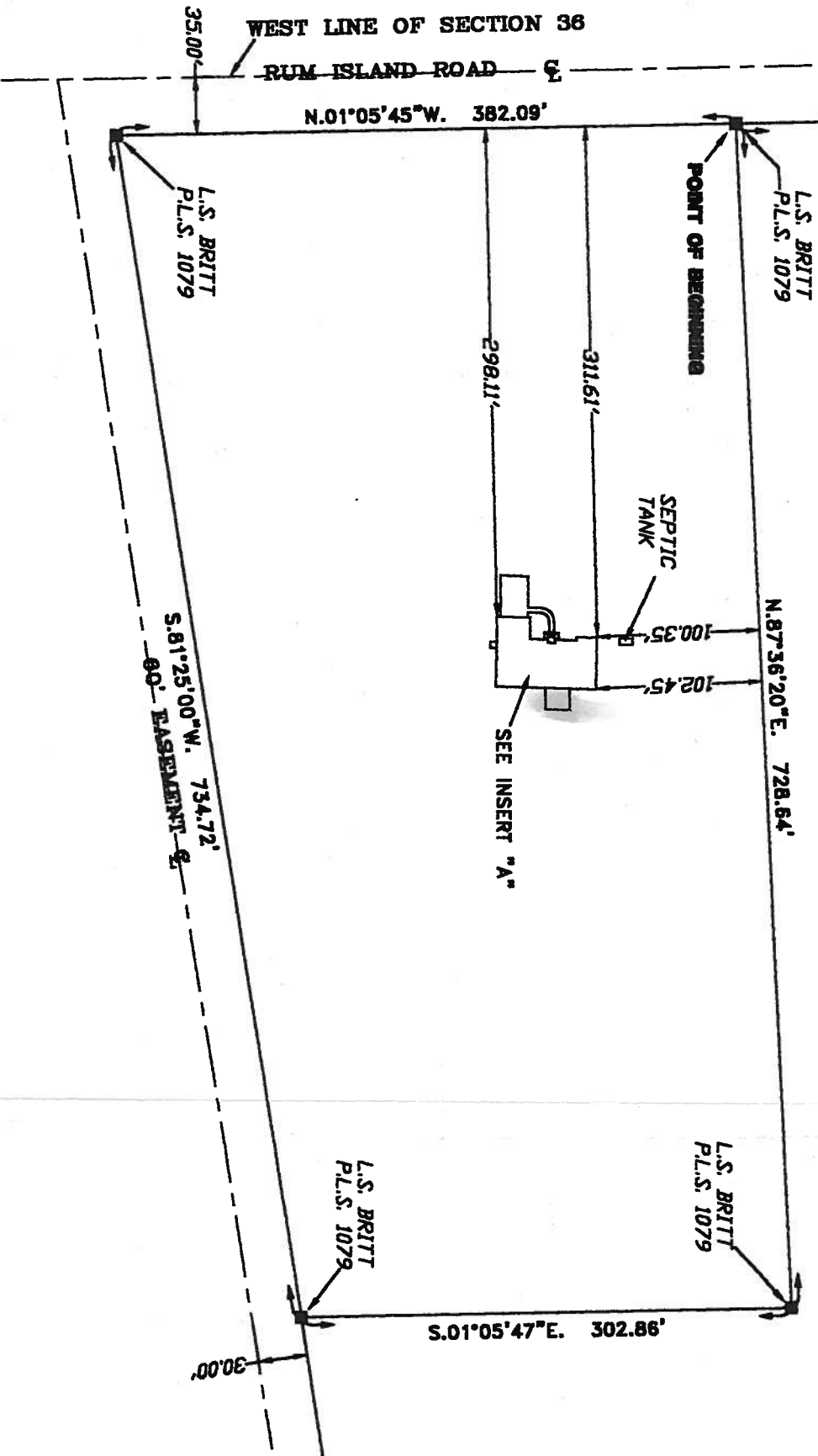


- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY DONE BY THIS OFFICE ON 05/20/96.
 2. BEARINGS ARE BASED ON DEED OF RECORD.
 3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0270 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREIN.
 4. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREIN.
 5. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

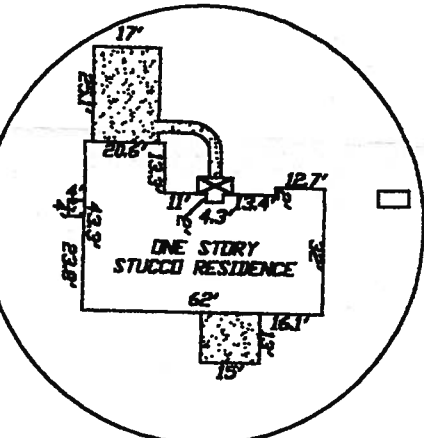
SCALE: 1" = 100'



- SYMBOL LEGEND
- 4"x4" CONCRETE MONUMENT FOUND
 - 4"x4" CONCRETE MONUMENT SET
 - IRON PIPE FOUND
 - IRON PIN AND CAP SET
 - POWER POLE
 - WATER METER
 - CENTERLINE
 - WELL
 - SATELLITE DISH
 - TELEPHONE BOX
 - ELECTRIC LINES
 - WIRE FENCE
 - CHAIN LINK FENCE
 - WOODEN FENCE



DESCRIPTION:
A PART OF THE NW 1/4 OF SECTION 36, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHWEST CORNER OF SAID SECTION 36 AND RUN N87°36'20"E, ALONG THE NORTH LINE THEREOF, 35.00 FEET TO THE EAST RIGHT-OF-WAY LINE OF RUM ISLAND ROAD, (A 60 FOOT RIGHT-OF-WAY) THENCE S.01°05'47"E, ALONG SAID RIGHT-OF-WAY, 568.74 FEET FOR A POINT OF BEGINNING; THENCE N87°36'20"E, 728.64 FEET; THENCE S.01°05'47"E, 302.86 FEET TO THE NORTH LINE OF A 60 FOOT EASEMENT; THENCE S.81°25'00"W, ALONG SAID EASEMENT LINE, 734.72 FEET TO THE SAID EAST RIGHT-OF-WAY; THENCE N.01°05'47"W, ALONG SAID EAST RIGHT-OF-WAY, 382.09 FEET TO THE POINT OF BEGINNING, CONTAINING 5.73 ACRES, MORE OR LESS.



INSERT "A"
DETAIL SCALE: 1" = 50'

CERTIFIED TO:

STEVEN A. & MADINE A. KINBALL
MARKET STREET MORTGAGE
ALACHUA COUNTY ABSTRACT
FIRST AMERICAN TITLE INSURANCE COMPANY

FIELD BOOK, SEE PAGE(S), FILE

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY PERSONAL SUPERVISION AND MEETS THE MODERN TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 6107-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 117.05(2), FLORIDA STATUTES.

05/29/01

FIELD SURVEY DATE

05/29/01

DRAWING DATE

L. SCOTT BRITT, ASST.

CERTIFICATION # 5797

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE DESIGN, RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAN OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



BRITT SURVEYING

LAND SURVEYORS AND MAPPERS

1486 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(904)752-7163 FAX (904)752-5573

WORK ORDER # L-11498