

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0603-75 Date Received 3/21 By Tu Permit # 24323
 Application Approved by - Zoning Official BK Date 3/30/06 Plans Examiner OK JTH Date 3-21-06
 Flood Zone W1A Development Permit _____ Zoning RSF2 Land Use Plan Map Category _____
 Comments Pool Power #23477

Applicants Name Robert McIntosh Phone 386-754-8678
 Address 289 NW Corinth Dr Lake City, FL 32055
 Owners Name Cesar Delcastro Phone 719-5653
 911 Address 206 SW Creekside Lane Lake City FL 32024
 Contractors Name Michael A. Delchao Phone 386-754-8678
 Address 289 NW Corinth Dr, Lake City FL 32055
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Gordon Sheppardson 1025 S. Semoran Blvd Winter Park FL
 Mortgage Lenders Name & Address N/A
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 12-43-16-02939-104 HX Estimated Cost of Construction 8609.60
 Subdivision Name Creekside S/D Lot 4 Block _____ Unit _____ Phase _____
 Driving Directions SW Sister Welcome, right at Creekside S/D, Left on SW Creekside Lane, 4th House on left

Type of Construction Screened Pool Enclosure Number of Existing Dwellings on Property 1
 Total Acreage .750 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 34' Side 35' Side 130' Rear 78'
 Total Building Height 13'4" Number of Stories 1 Heated Floor Area _____ Roof Pitch 1/2'

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.

Robert McIntosh
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 15th day of Feb 20 06

Personally known ✓ or Produced Identification _____

Michael A. Delchao
 Contractor Signature

Contractors License Number SCC056687

Competency Card Number _____

NOTARY STAMP/SEAL

Nadean G.S. McIntosh

Commission # DD371494

Expires November 14, 2008

Bonded Troy Fain - Insurance, Inc. 800-385-7019

Michael A. Delchao
 Notary Signature

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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.

Tax Parcel ID Number 12-45-16-02939-104 HX

1. Description of property: (legal description of the property and street address or 911 address)
206 SW Creekside Ln Lake City FL 32024
lot 4 Creekside S/D. WD 1024-1182
2. General description of improvement: Screened Pool Enclosure
3. Owner Name & Address Cesar DeCastro 206 SW Creekside
Ln Lake City FL 32024 Interest in Property owner
4. Name & Address of Fee Simple Owner (if other than owner): n/a
5. Contractor Name Mike Delatoy Phone Number 386-754-8678
Address 289 NW Corinth Dr Lake City, FL 32055
6. Surety Holders Name n/a Phone Number _____
Address _____
Amount of Bond _____ Inst: 2006006946 Date: 03/21/2006 Time: 12:05
S.F. DC, P. DeWitt Cason, Columbia County B: 1078 P: 7
7. Lender Name n/a
Address _____
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name n/a Phone Number _____
Address _____
9. In addition to himself/herself the owner designates FL Pool Enclosures of
289 NW Corinth Dr Lake City FL 32055 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee 386-754-8678
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Cesar DeCastro as owner
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of March 15th, 20 06

NOTARY STAMP



Nadean G.S. McIntosh
Commission # DD371494
Expires November 14, 2008
Bonded Troy Fain - Insurance, Inc. 800-386-7019

Nadean G.S. McIntosh
Signature of Notary

Columbia County Property Appraiser

DB Last Updated: 3/7/2006

Parcel: 12-4S-16-02939-104 HX

2006 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 2

Next >>

Owner's Name	DECASTRO CESAR FERNANDEZ &
Site Address	CREEKSIDE S/D
Mailing Address	SONIA FERNANDEZ 206 SW CREEKSIDE LN LAKE CITY, FL 32024
Brief Legal	LOT 4 CREEKSIDE S/D. WD 1024-1182.

Use Desc. (code)	SINGLE FAM (000100)
Neighborhood	12416.00
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.750 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$24,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$185,594.00
XFOB Value	cnt: (3)	\$15,030.00
Total Appraised Value		\$224,624.00

Just Value	\$224,624.00
Class Value	\$0.00
Assessed Value	\$224,624.00
Exempt Value	(code: HX) \$25,000.00
Total Taxable Value	\$199,624.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
8/25/2004	1024/1182	WD	V	Q		\$22,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2005	Common BRK (19)	2712	3429	\$185,594.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0169	FENCE/WOOD	2005	\$2,180.00	218.000	0 x 0 x 0	(.00)
0166	CONC,PAVMT	2005	\$5,033.00	2013.000	0 x 0 x 0	(.00)
0280	POOL R/CON	2005	\$7,817.00	242.000	11 x 22 x 0	(.00)

Land Breakdown

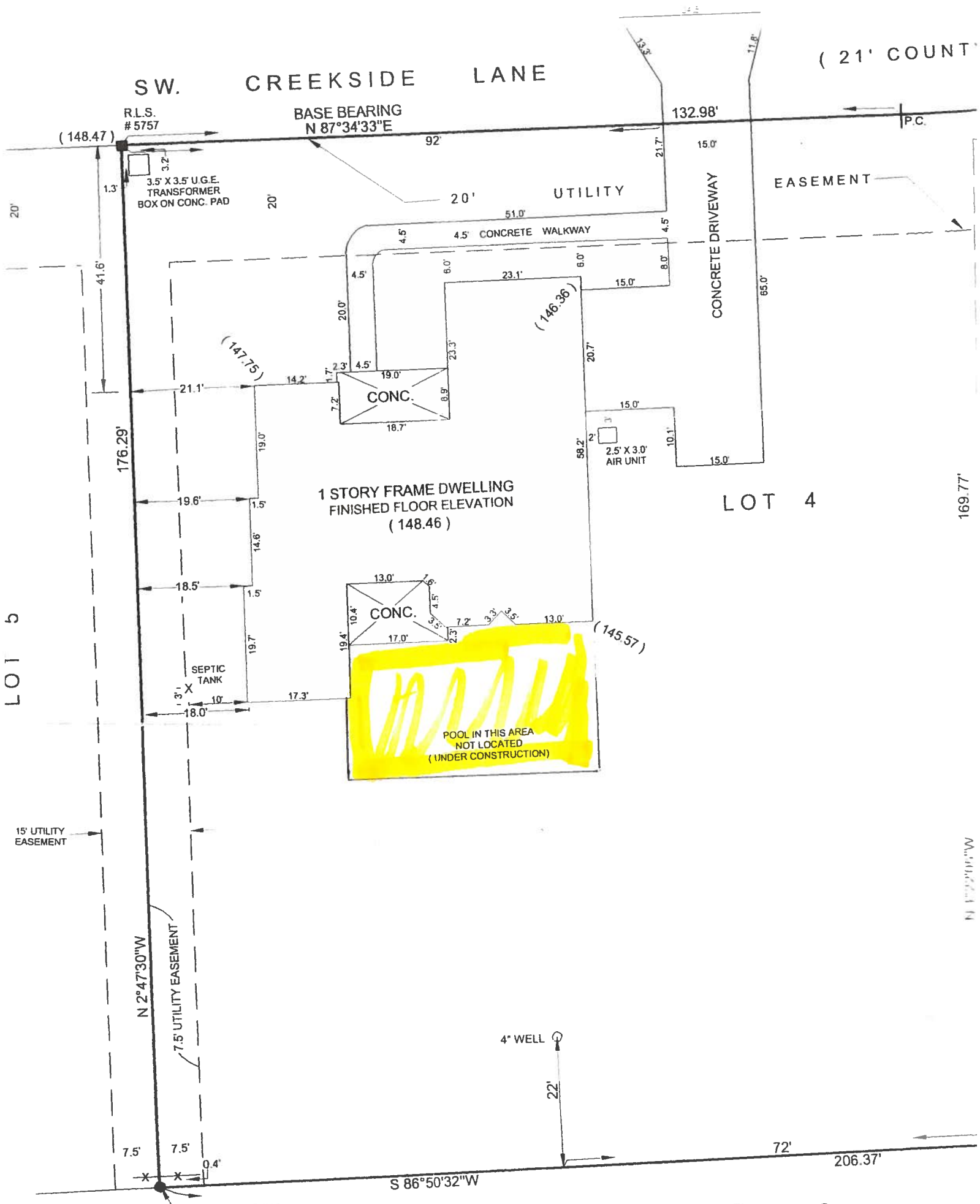
Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.750AC)	1.00/1.00/1.00/1.00	\$24,000.00	\$24,000.00

Columbia County Property Appraiser

DB Last Updated: 3/7/2006

1 of 2

Next >>



LOT 4, CREEKSIDE SUB. S. 1/4 AS RECORDED IN PLAT BOOK 7 OF
COLUMBIA COUNTY, FLORIDA, S. 1/4, 12 SECTION 12, TOWNSHIP
CONTAINING 0.75 ACRES MORE OR LESS
SUBJECT TO EXISTING COUNTY ROAD RIGHT OF WAY

[illegible]

169.77'

N 1°22'05"W

RETENTION AREA EASEMENT

RETENTION AREA EASEMENT

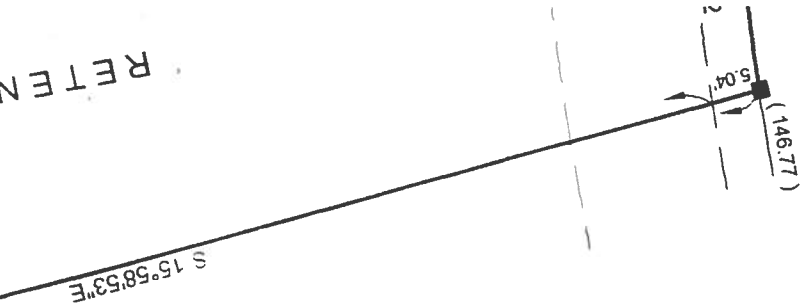
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THIS IS CERTIFIED TO:
SONIA L. FERNANDEZ & CESAR RE
FIRST FEDERAL SAVINGS BANK OF
TERRY McDAVID, ATTORNEY AT L
ATTORNEYS TITLE INSURANCE FL
FIRST AMERICAN TITLE INSURANCE
OLD REPUBLIC NATIONAL TITLE IN

BOUNDARY SURVEY OF

LOT 4, CREEKSIDE SUBDIVISION AS RECORDED IN PLAT BOOK 7, PAGES 124-125 OF PUBLIC RECORDS, COLUMBIA COUNTY, FLORIDA, SITUATED IN SECTION 12, TOWNSHIP 4 SOUTH, RANGE 16 EAST, OF SAID COUNTY, CONTAINING 0.75 ACRES MORE OR LESS
SUBJECT TO EXISTING COUNTY ROAD RIGHT OF WAY

/ E)



RETENTION

LEGEND & NOTES

- DENOTES CONCRETE MONUMENT SET, L.B. # 7170
- DENOTES CONCRETE MONUMENT FOUND R.L.S. # 5757
- DENOTES 5/8" REBAR W / CAP SET, L.B. # 7170.
- DENOTES IRON PIPE OR REBAR FOUND.
- ∅ DENOTES POWER POLE
- X-----X-----X DENOTES EXISTING FENCE.



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 12-4S-16-02939-104 HX - SINGLE FAM (000100)

LOT 4 CREEKSIDE S/D. WD 1024-1182.

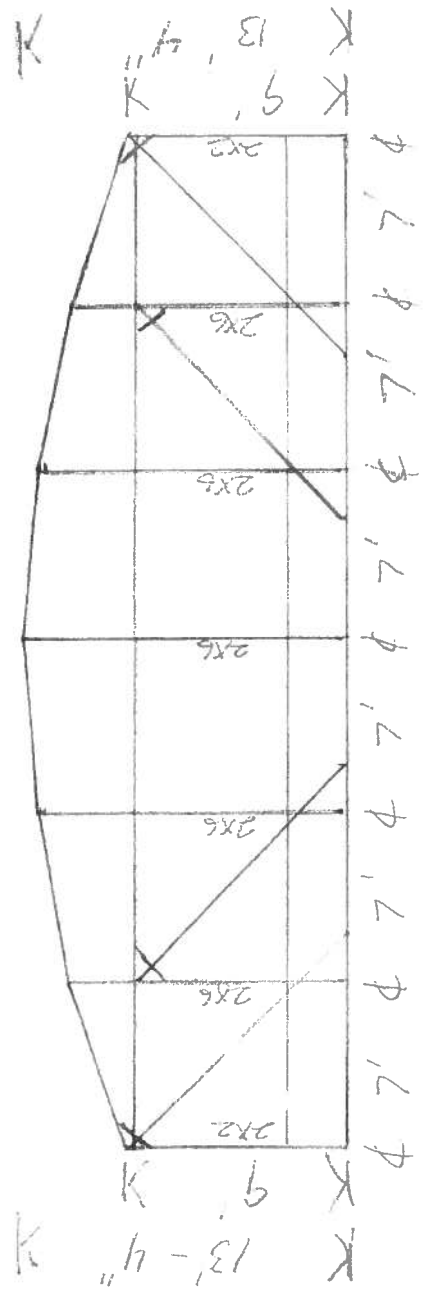
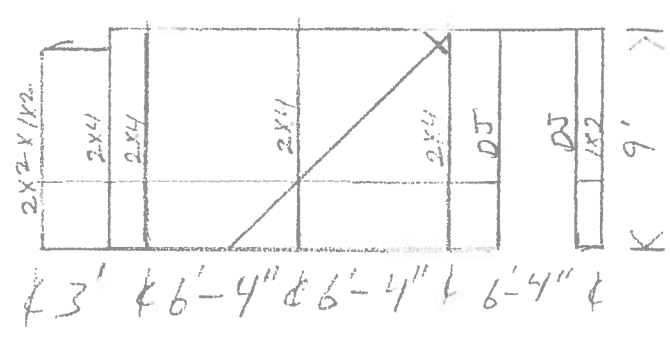
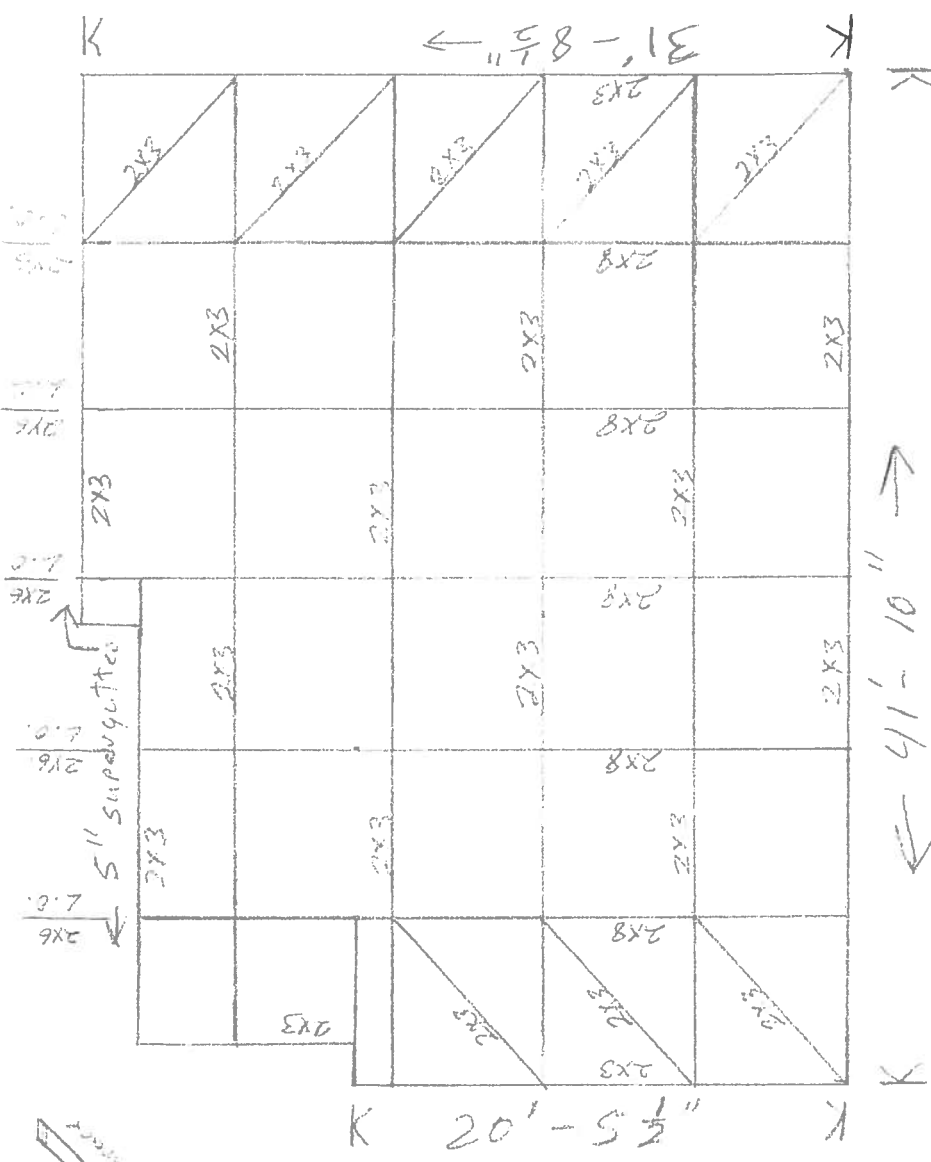
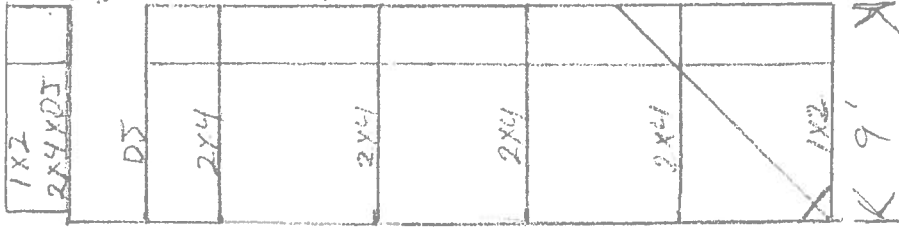
Name: DECASTRO CESAR FERNANDEZ &	LandVal	\$24,000.00
Site: CREEKSIDE S/D	BldgVal	\$185,594.00
SONIA FERNANDEZ	ApprVal	\$224,624.00
Mail: 206 SW CREEKSIDE LN	JustVal	\$224,624.00
LAKE CITY, FL 32024	Assd	\$224,624.00
Sales Info 8/25/2004 \$22,000.00 V / Q	Exmpt	\$25,000.00
	Taxable	\$199,624.00

0 28 56 84 ft



This information, GIS Map Updated: 2/7/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

6'-4" 6'-4" 6'-4" 6'-4" 6'-4" 6'-4"



FLILINE INC.

A civil engineering firm
1025 South Semoran Boulevard
Suite 1093
Winter Park FL 32792
(407) 679-7500
Fax (407) 679-9188

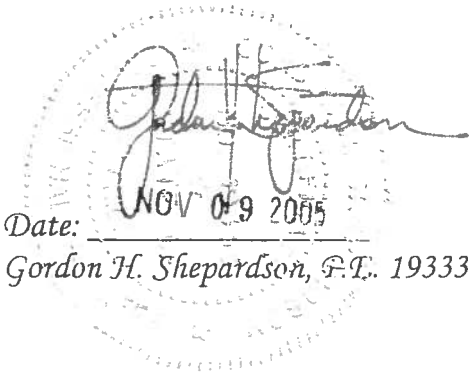
Authorization Letter to use Aluminum Design Manual Master-file

Authorization for: Florida Pool Enclosures, Inc.
289 Northwest Corinth Drive
Lake City, FL 32055

Building Official,

The above referenced contractor is hereby authorized to use our Aluminum Design Manual as a master-file to obtain all permits in your jurisdiction for the time period of October 1st, 2005 thru September 30, 2006. If this authorization is to be revoked prior to the ending date indicated we will notify you in writing via mail or facsimile. Any indication of the alteration of this document will void the authorization. Gordon H. Shepardson's, the engineer of record, signature and raised seal is required on this letter to validate the authorization. Thank you for your cooperation.

Signed:


Date: NOV 09 2005
Gordon H. Shepardson, P.E. 19333

FLILINE INC.

A civil engineering firm
1025 South Semoran Boulevard
Suite 1093
Winter Park FL 32792
(407) 679-7500
Fax (407) 679-9188

Aluminum Engineering Index Sheet

This index sheet specifies the master-file pages that can apply for the appropriate type of structure. Typical and Detail sheets and tables indicated are suggested for the type of structure, but do not need to apply in total. The appropriate typical and detail sheets and tables shall be marked as they apply. The listed pages are the only pages that need to be attached per type of structure. Index sheets should be attached with our engineering pages for issuance of a permit. Any signs of alteration shall void this index sheet. Unauthorized typical and detail sheets or span tables cannot be used in conjunction with our engineering designs.

CONTRACTOR:	JOB REFERENCE:
Company Name: Florida Pool Enclosures	Owner Name: Cesar DeCastro
Address: 289 Northwest Corinth Dr. Lake City, FL 32055	Address: 206 SW Creekside Lane Lake City, FL 32024
Phone number: 386-754-8675	Legal Description: Lot 4 Creekside S/PWD
Member ID Number:	1024-1182

Dome Screen enclosure	Mansard Screen enclosure	Splice gable & No splice gable Screen enclosure	Flat Screen enclosure	Composite roof with Screen enclosure	Pan roof with Screen enclosure
1.1.1	1.1.2	1.1.3	1.1.4	2.2.1	3.2.1
1.2.1	1.2.1	1.2.1	1.2.1	2.2.2	3.2.2
1.2.2	1.2.2	1.2.2	1.2.2	2.2.3	3.2.3
1.2.3	1.2.3	1.2.3	1.2.3	1.2.10	1.2.10
1.2.4	1.2.4	1.2.4	1.2.4	1.2.11	1.2.11
1.2.5	1.2.5	1.2.5	1.2.5		
1.2.6	1.2.6	1.2.6	1.2.6		
1.2.7	1.2.7	1.2.7	1.2.7		
1.2.10	1.2.9	1.2.8	1.2.10		
1.2.11	1.2.10	1.2.10	1.2.11		
	1.2.11	1.2.11			
Exposure B tables	Exposure B tables	Exposure B tables	Exposure B tables	Exposure B tables	Exposure B tables
100mph/1.3.2.100B	100mph/1.3.2.100B	100mph/1.3.2.100B	100mph/1.3.2.100B	2.3.1	3.3.1
110mph/1.3.2.110B	110mph/1.3.2.110B	110mph/1.3.2.110B	110mph/1.3.2.110B		
120mph/1.3.2.120B	120mph/1.3.2.120B	120mph/1.3.2.120B	120mph/1.3.2.120B		
130mph/1.3.2.130B	130mph/1.3.2.130B	130mph/1.3.2.130B	130mph/1.3.2.130B		
140mph/1.3.2.140B	140mph/1.3.2.140B	140mph/1.3.2.140B	140mph/1.3.2.140B		
150mph/1.3.2.150B	150mph/1.3.2.150B	150mph/1.3.2.150B	150mph/1.3.2.150B		
Exposure C tables	Exposure C tables	Exposure C tables	Exposure C tables	Exposure C tables	Exposure C tables
100mph/1.3.2.100C	100mph/1.3.2.100C	100mph/1.3.2.100C	100mph/1.3.2.100C	2.3.1	
110mph/1.3.2.110C	110mph/1.3.2.110C	110mph/1.3.2.110C	110mph/1.3.2.110C		
120mph/1.3.2.120C	120mph/1.3.2.120C	120mph/1.3.2.120C	120mph/1.3.2.120C		
130mph/1.3.2.130C	130mph/1.3.2.130C	130mph/1.3.2.130C	130mph/1.3.2.130C		
140mph/1.3.2.140C	140mph/1.3.2.140C	140mph/1.3.2.140C	140mph/1.3.2.140C		
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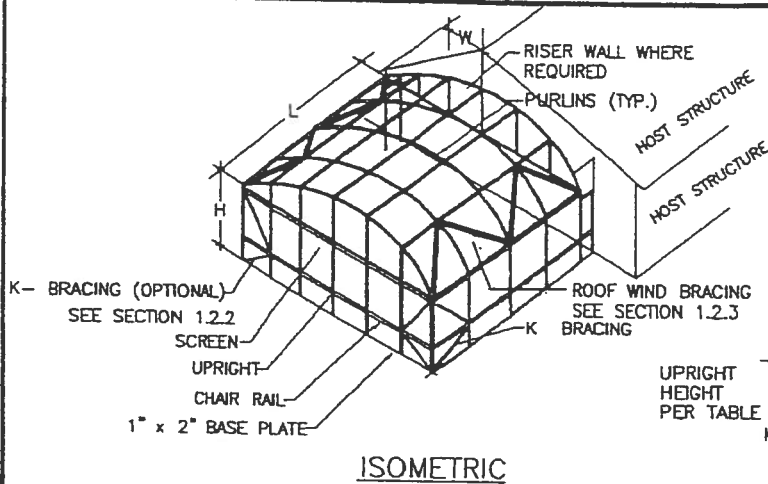
Date: MAY 22 2005

Gordon H. Shepardson, P.E. 19333

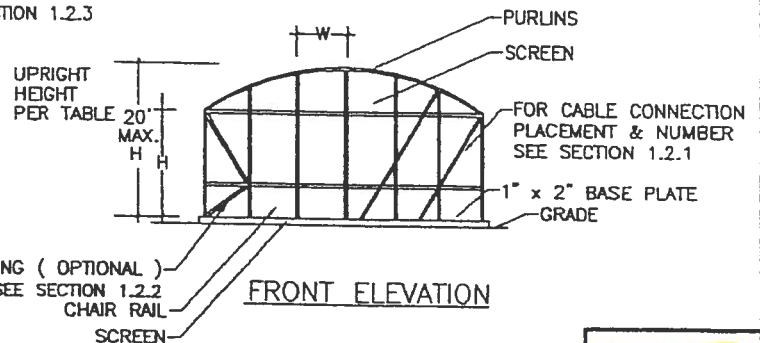
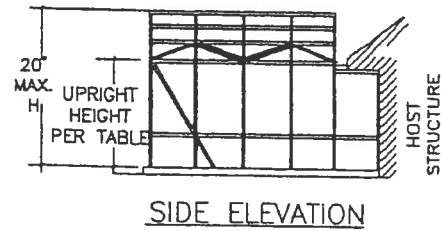
SECTION 1.1.1

DOME

SCREEN ENCLOSURES

REVISIONS
02/15/05

ISOMETRIC



FRONT ELEVATION

TYPICAL DOME ROOF

APPLIES

(STANDARDS)

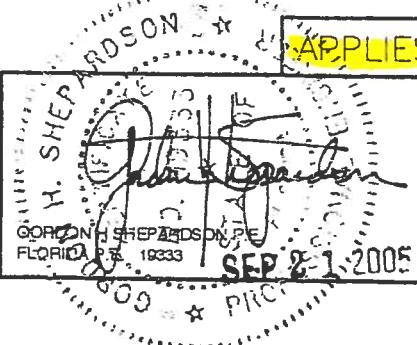
- 1) DESIGN CONFORMS TO THE FLORIDA BUILDING CODE 2004 AS AMENDED & THE FLORIDA BUILDING CODE RESIDENTIAL AS AMENDED & ASCE 7-98 FOR WIND LOAD ON THE ATTACHED TABLES.
- 2) ALL SCREEN ENCLOSURES GREATER THAN 20'-0" MAX. HEIGHT OR GREATER THAN 40'-0" PROJECTION FROM THE HOST STRUCTURE (REGARDLESS OF DIRECTION OF BEAM SPAN) OR WITH A BEAM SPAN GREATER THAN 40'-0", WILL REQUIRE SITE SPECIFIC SIGNED AND SEALED ENGINEERING PLANS AND SIGNED AND SEALED LAYOUT DRAWINGS.
- 3) STRUCTURAL DETAIL DRAWING SHALL RELATE TO 6063-T6, 6061-T5, OR 6061-T6 ALUMINUM EXTRUSIONS WITH AN ACTUAL WALL THICKNESS OF NOT LESS THAN 0.040.
- 4) ALUMINUM SURFACES IN CONTACT WITH LIME-MORTAR, CONCRETE OR OTHER MASONRY MATERIALS, SHALL BE PROTECTED WITH ALKALI-RESISTANT COATINGS SUCH AS HEAVY-BODIED BITUMINOUS PAINT OR WATER - WHITE METHACRYLATE LACQUER.
- 5) ALUMINUM IN CONTACT WITH WOOD OR OTHER ABSORBING MATERIALS WHICH MAY BECOME REPEATEDLY WET SHALL BE PAINTED WITH TWO COATS OF ALUMINUM METAL AND MASONRY PAINT, OR HEAVY-BODIED BITUMINOUS PAINT, OR THE WOOD OR ABSORBING MATERIAL SHALL BE PAINTED WITH TWO COATS OF ALUMINUM HOUSE PAINT AND THE JOINTS SEALED WITH HIGH QUALITY CAULKING COMPOUND.
- 6) ALL FASTENERS WILL BE 24" C-C MAX. UNLESS OTHERWISE NOTED. SCREWS SHALL BE COATED WEATHER SEALED.
- 7) NO OPEN AREA BETWEEN ALUMINUM SHALL EXCEED 56 S.F.
- 8) ALL SCREEN ENCLOSURE DOORS SHALL BE SELF LATCHING AND CLOSING AND MAY BE LOCATED INTO ANY SCREEN PANEL OPENING.
- 9) DISTANCE BETWEEN PURLINS SHALL NOT EXCEED 84 INCHES CENTER TO CENTER.
- 10) ALL PURLINS AND CHAIR RAILS WILL BE ATTACHED WITH MIN. OF 3 SCREWS INTO SCREW BOSS EACH SIDE. SEE SECTION 1.2.3 FOR PURLIN AND CHAIR RAIL SCHEDULE.
- 11) ENCLOSURE MUST BE GROUNDED AND BONDED IN ACCORDANCE WITH N.E.C.
- 12) NO UNAPPROVED APPENDICES OR ACCESSORIES MAY BE ATTACHED TO ANY ALUMINUM MEMBERS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- 13) WHEN 6061-T5 OR 6061-T6 ALUMINUM ALLOY IS USED IN A STRUCTURE FOR UPRIGHTS, BEAMS, KNEE BRACES, WIND BRACES, AND K-BRACES, 6063-T6 ALUMINUM ALLOY MAY BE USED FOR PURLINS, CHAIR RAILS, TOP PLATES, AND BOTTOM PLATES.
- 14) THIS IS AN OPEN ALUMINUM FRAMED STRUCTURE WITH SCREEN (MAX MESH OF 20/20) ROOF AND WALLS. IT HAS AN IMPORTANCE FACTOR (Iw) OF 0.77 DESIGN LOADS ARE BASED ON TABLE 2002.4 OF 2004 FLORIDA BUILDING CODE FOR A MEAN HEIGHT UP TO 30 FT.

APPLIES

THIS PAGE CAN ONLY BE USED IF THE CONTRACTOR IS AUTHORIZED TO USE THE MASTER FILE MANUAL OR IF THE PAGE HAS AN ORIGINAL SIGNATURE AND SEAL

FLILINE INC.

1025 S. SEMORAN BLVD.
SUITE 1093
WINTER PARK FL 32792
TEL. (407) 679-7500
FAX (407) 679-9188
E-MAIL



SECTION 1.2.3

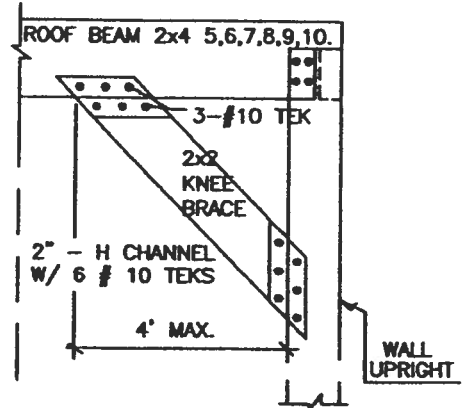
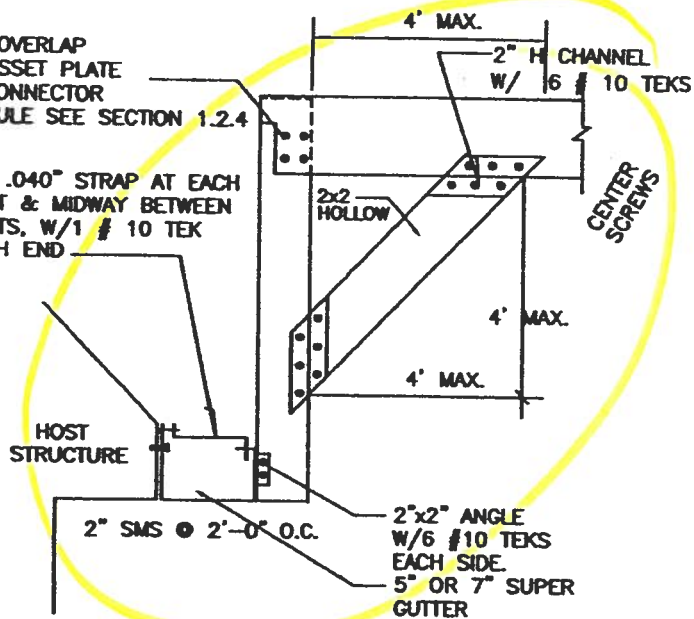
DETAILS

SCREEN ENCLOSURES

REVISIONS
02/15/05

BEAM OVERLAP
OR GUSSET PLATE
FOR CONNECTOR
SCHEDULE SEE SECTION 1.2.4

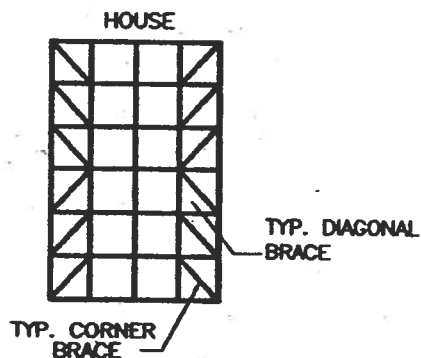
1'-2"x .040" STRAP AT EACH
UPRIGHT & MIDWAY BETWEEN
UPRIGHTS, W/1 # 10 TEK
AT EACH END



KNEE BRACE DETAIL

STRUCTURAL GUTTER & KNEE BRACE DETAIL

APPLIES



ROOF WIND BRACE, PURLIN & CHAIR RAIL SIZING					
ROOF BEAM	PURLIN	WIND BRACE		WALL UPRIGHT	CHAIR RAIL
2x7 OR LESS	2x2	2x2		2x7 OR LESS	2x2
2x8	2x3	2x3		2x8	2x3
2x9	2x3	2x3		2x9	2x3
2x10	2x4	2x4		2x10	2x4

NOTE: WIND BRACING SHALL NOT BE REQUIRED WHERE BEAMS AND PURLINS ARE
LATERALLY SUPPORTED BY CONNECTION TO HOST STRUCTURE.

NOTE: WIND BRACING ATTACHMENT TO BE WITH GUSSET PLATE, H CHANNEL OR
RECEIVING CHANNEL. NO TOE NAILING IS ALLOWED

PLAN VIEW
(N.T.S.)

ROOF WIND BRACING, PURLIN & CHAIR RAIL DETAIL

APPLIES

THIS PAGE CAN ONLY BE USED
IF THE CONTRACTOR IS
AUTHORIZED TO USE THE
MASTER FILE MANUAL OR IF
THE PAGE HAS AN ORIGINAL
SIGNATURE AND SEAL.

FLILINE INC.
1025 S. SEMORAN BLVD.
SUITE 1093
WINTER PARK FL 32792
TEL (407) 679-7500
FAX (407) 679-9188
E-MAIL

FEB 15 2005

GORDON H SHEPARDSON P.E.
FLORIDA P.E. 10638

SECTION 1.2.4

DETAILS

SCREEN ENCLOSURES

REVISIONS
02/15/05

		BEAMS						
		2x4	2x5	2x6	2x7	2x8	2x9	
UPRIGHT	2x4	8	10	10	14	X	X	X
	2x5	10	10	14	16	16	X	X
	2x6	10	14	16	16	18	18	X
	2x7	14	16	16	18	18	20	X
	2x8	16	16	18	18	20	22	22
	2x9	16	18	18	20	22	22	24
	2x10	18	18	20	22	22	24	24

#10 TEK SCREWS EACH SIDE OF BEAM
X- NO CONNECTION ALLOWED

NOTE:

SCREW PATTERN-1"
CLEARANCE ON ALL 4 SIDES
OF THE GUSSET PLATE OR
BEAM OVERLAP.
SCREWS ARE TO BE EQUALLY
SPACED FROM TOP TO BOTTOM
AND SIDE-TO-SIDE. SCREWS
MUST BE WEATHER SEALED.

NOTE:

GUSSET PLATE THICKNESS WILL
BE EQUAL TO OR LARGER THAN
LARGEST BEAM OR UPRIGHT USED.

		BEAMS						
		2x4	2x5	2x6	2x7	2x8	2x9	2x10
UPRIGHT	2x4	4	4	6	8	X	X	X
	2x5	4	4	8	8	10	X	X
	2x6	6	8	8	10	12	12	X
	2x7	8	8	10	12	12	14	X
	2x8	8	10	12	12	14	14	14
	2x9	10	12	12	14	14	16	16
	2x10	10	12	14	14	14	16	18

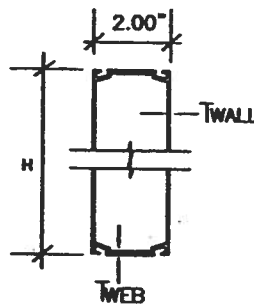
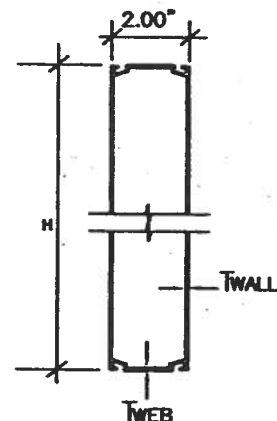
#14 TEK SCREWS EACH SIDE OF BEAM
X- NO CONNECTION ALLOWED

HOMEOWNER MAINTENANCE RESPONSIBILITY:
FASTENERS SHOULD BE CHECKED PERIODICALLY FOR DETERIORATION.
IF DETERIORATION IS DETECTED CONTACT A QUALIFIED SERVICE COMPANY.

BEAM OVERLAP OR GUSSET PLATE CONNECTION

APPLIES

ALUMINUM			
PHYSICAL PROPERTIES			
2xH	TWALL	TWEB	SECTION MODULUS (IN ³)
2x4	0.046	0.100	0.935
2x5	0.050	0.116	1.380
2x6	0.050	0.120	1.920
2x7	0.055	0.220	2.375
2x8	0.072	0.224	4.080
2x9	0.082	0.306	5.910
2x10	0.092	0.389	8.531

HOLLOW BEAM TABLESNAP EXTRUSIONSELF MATING
BEAMALUMINUM PHYSICAL PROPERTIES

APPLIES

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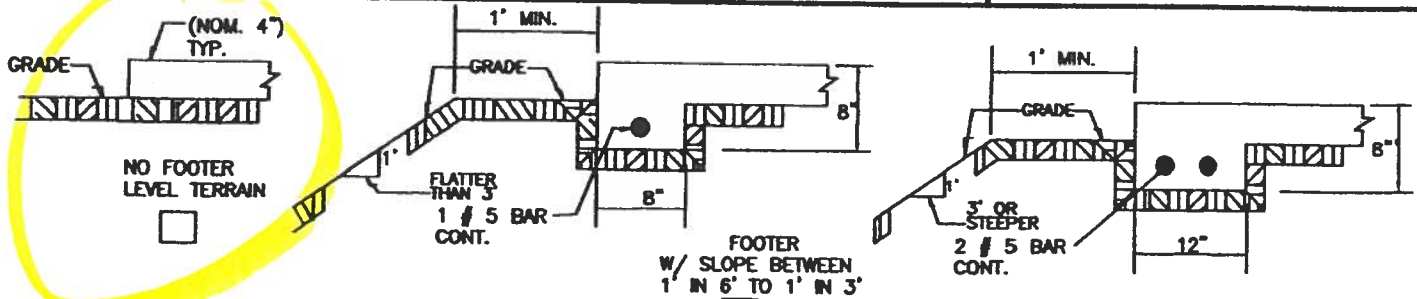
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GORDON H. SHEPARDSON P.E.
FLORIDA P.E. 10323

SECTION 1.2.10

DETAILS

SCREEN ENCLOSURES

REVISIONS
02/15/05

RIBBON FOOTER—WHERE FOOTER IS NOT CONNECTED TO DECK:

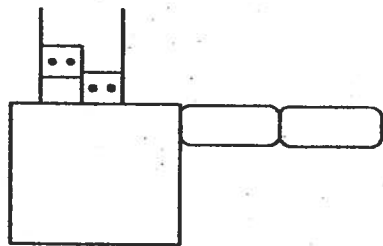
☐ USE 8"x8" CONCRETE RIBBON FOOTER W/ 1#5 REBAR CONTINUOUS TO SUPPORT UP TO 2" x 6" UPRIGHT

☐ USE 8"x12" CONCRETE RIBBON FOOTER W/ 2 #5 REBARS CONTINUOUS TO SUPPORT UPRIGHTS LARGER THAN 2" x 6"

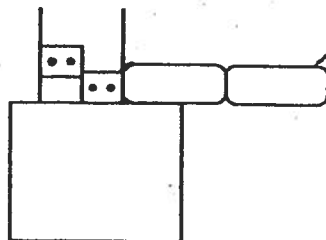
- 1) FOOTER SHALL BEAR ON ROCK, CLEAN SAND, OR STRUCTURALLY SOUND SOIL (>1500 PSI:) THAT SHALL BE COMPACTED TO PROVIDE OPTIMUM BEARING CAPACITY TO PREVENT SETTLING.
- 2) CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 2,500 PSI W/ FIBER MESH OR 6x6-10x10 W W MESH.
- 3) 3 - #3 BARS IS EQUIVALENT TO 1 #5 BARS.

TYPICAL SCREEN DECK FOOTER DETAIL

APPLIES



ALTERNATE 1



ALTERNATE 2

PAVERS SHOULD BE INSTALLED AFTER COMPLETION OF SCREEN ENCLOSURES

NOTE:

SEE TYPICAL SCREEN DECK FOOTER DETAIL FOR FOOTER DETAILS AND SIZING.

RIBBON FOOTERS FOR BRICK PAVERS

APPLIES

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FLORIDA P.E. 12333

SECTION 1.2.1

DETAILS

SCREEN ENCLOSURES

REVISIONS
02/15/05FRONT WALL--1/8" STAINLESS STEEL CABLE

2 CABLE FOR EVERY 200 SQ. FT.

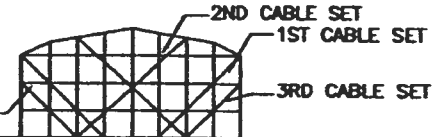
NOTE: ALL WALLS OVER 15" HIGH MUST HAVE 1/2 OR MORE OF THE CABLES AT THE TOP OF THE WALL ABOVE THE TOP CHAIR RAIL.

CABLE CORNER
PLATE 1/8" ALUM.
W/ 8 # 10 TEKSCABLE BRACING CAN BE USED
IN PLACE OF K-BRACINGTENSIONINGS
EYEBOLTMIN 2 DRIVE PINS OR
2 - 11/4" x 1/4" TAPCONTOP FASTENER 1 1/2" BELOW
TOP OF CONCRETE, NO
NO FASTENING TO PAVERS

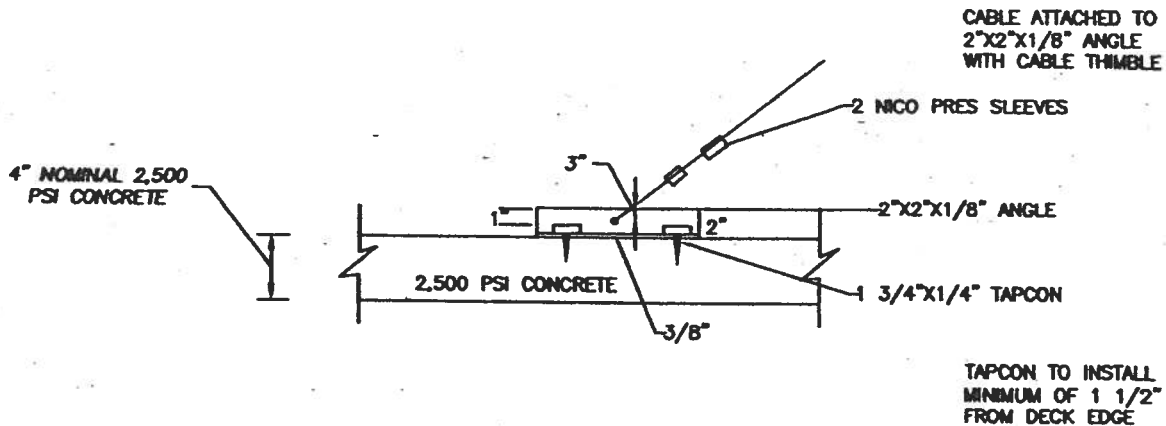
CONC. DECK

SIDE WALL--1/8" STAINLESS STEEL CABLEUP TO 200 SQ. FT. OF WALL: NO CABLE NEEDED
OVER 200 SQ. FT.: 1 CABLE PER EVERY 200 SQ. FT.

NOTE: ALL WALLS OVER 15" HIGH MUST HAVE 1/2 OR MORE OF THE CABLES AT THE TOP OF THE WALL ABOVE THE TOP CHAIR RAIL.

TOP CHAIR RAIL WHEN
PANEL EXCEED 56 S.F.SCREEN CABLE BRACING DIAGRAMHOMEOWNER MAINTENANCE RESPONSIBILITY:
CABLE MUST REMAIN TIGHT AT ALL TIMES. CABLE SHOULD
BE TIGHTENED PERIODICALLY TO REMOVE SLACK. TO AVOID
DAMAGE CONTACT A QUALIFIED SERVICE COMPANY.CABLE SCHEDULE FOR SCREEN ENCLOSURE

APPLIES

CABLE BRACE MOUNTED ON TOP OF CONCRETE DECK

APPLIES

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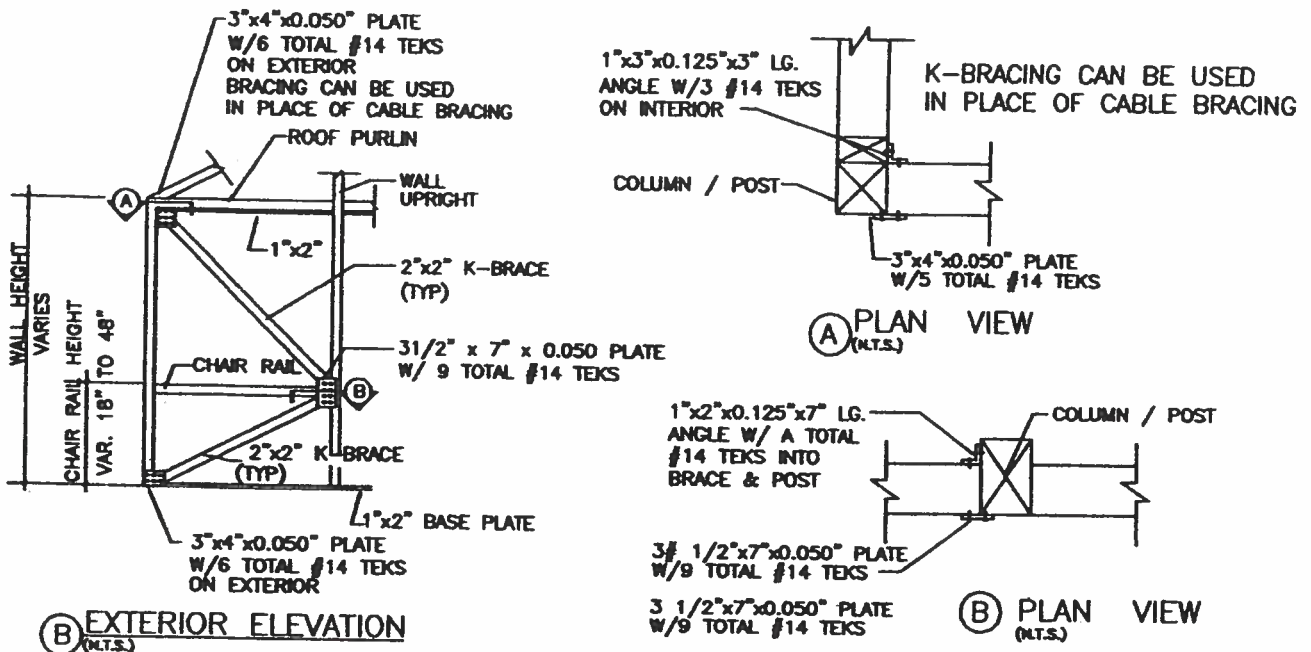
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SECTION 1.2.2

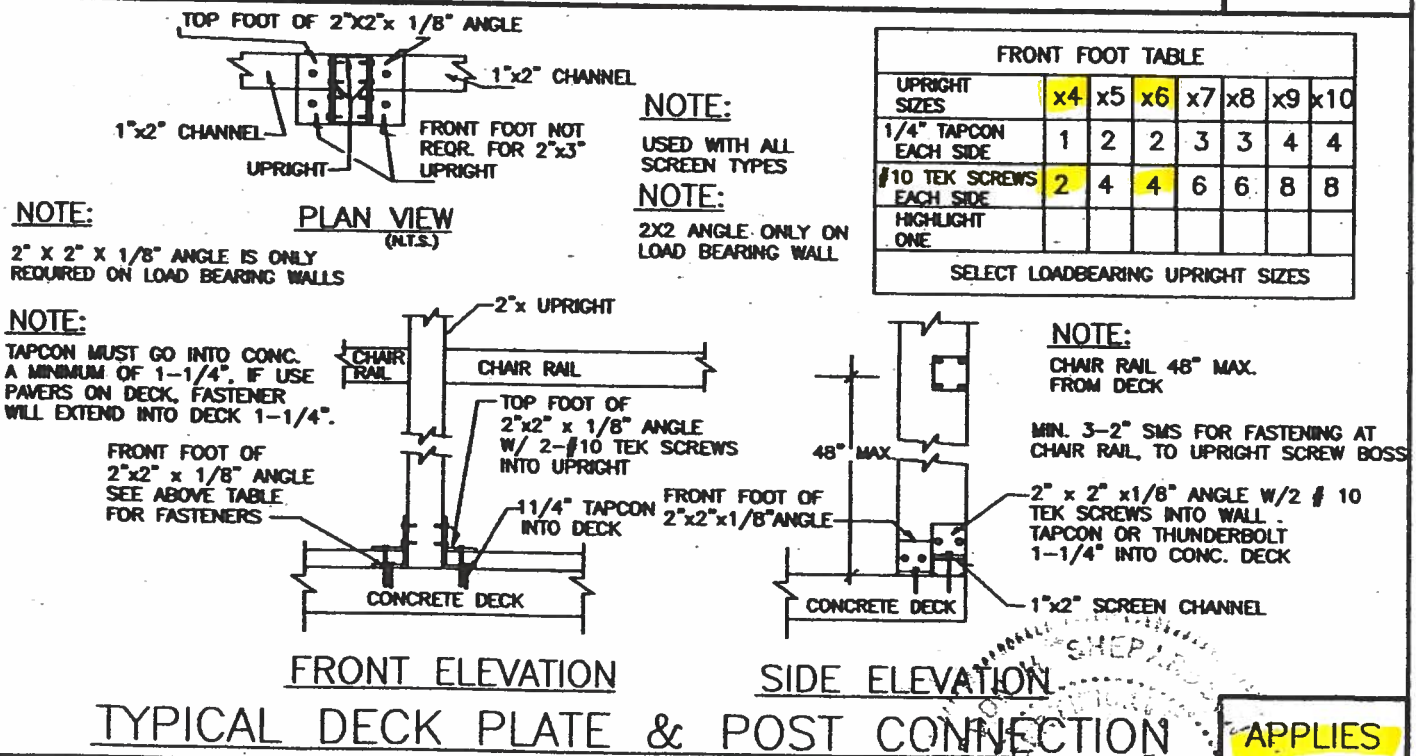
DETAILS

SCREEN ENCLOSURES

REVISIONS
02/15/05

K-BRACING DETAIL

APPLIES



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BEAM SPAN AND UPRIGHT HEIGHT TABLES

SECTION 1.3.2.110 B		SPAN TABLES		SCREEN ENCLOSURES				6063-T6 ALLOY 6061-T5 ALLOY 6061-T6 ALLOY 110MPH EXPOSURE B							
ALUMINUM ALLOY : 6063-T6, 6061-T5, & 6061-T6 WIND ZONE: 110MPH EXPOSURE B															
ALL ROOF STYLES															
MAX. SPANS FOR ROOF BEAMS FOR SCREEN ROOF/POOL ENCLOSURES UP TO 150 MPH WIND LOAD ALL WIND SPEEDS PRESSURE 10 PSF							MAX. SPANS FOR WALL UPRIGHTS FOR SCREEN ROOF/POOL ENCLOSURES								
ROOF BEAM SPANS							WALL UPRIGHT HEIGHTS								
Interpolation between spans is permitted.							Interpolation between spans is permitted.								
		ROOF SPACING (number of feet)							UPRIGHT SPACING (number of feet)						
		4'	5'	6'	7'	8'	9'			4'	5'	6'	7'	8'	9'
SPANS								HEIGHTS							
2 X 4 - 0 KNEES		16'0	14'10	14'0	13'3	12'9	12'3	2 X 4 - 0 KNEES		15'7	14'6	13'7	12'11	11'9	11'0
2 X 4 - 1 KNEE		20'0	18'10	18'0	17'3	16'9	16'3	2 X 4 - 1 KNEE		19'7	18'6	17'7	16'11	15'9	15'0
2 X 4 - 2 KNEES		24'0	22'10	22'0	21'3	20'9	20'3								
2 X 5 - 0 KNEES		19'6	18'2	17'2	16'3	15'7	15'0	2 X 5 - 0 KNEES		19'2	17'9	16'8	15'3	14'6	13'7
2 X 5 - 1 KNEE		23'6	22'2	21'2	20'3	19'7	19'0	2 X 5 - 1 KNEE		23'2	21'9	20'8	19'3	18'6	17'7
2 X 5 - 2 KNEES		27'6	26'2	25'2	24'3	23'7	23'0								
2 X 6 - 0 KNEES		23'2	21'6	20'4	19'4	18'2	17'0	2 X 6 - 0 KNEES		22'8	21'0	19'0	17'10	16'9	15'9
2 X 6 - 1 KNEE		27'2	25'6	24'4	23'4	22'2	21'0	2 X 6 - 1 KNEE		26'8	25'0	23'0	31'10	20'9	19'9
2 X 6 - 2 KNEES		31'2	29'6	28'4	27'4	26'2	25'0								
2 X 7 - 0 KNEES		26'2	24'4	22'9	21'9	20'0	19'1	2 X 7 - 0 KNEES		25'7	23'3	21'8	20'0	18'11	18'0
2 X 7 - 1 KNEE		30'2	28'4	26'9	25'9	24'0	23'1	2 X 7 - 1 KNEE		29'7	27'3	25'8	24'0	22'11	22'0
2 X 7 - 2 KNEES		34'2	32'4	30'9	29'9	28'0	27'1								
2 X 8 - 0 KNEES		32'6	30'4	28'7	27'2	25'10	24'3	2 X 8 - 0 KNEES		30'6	29'9	27'3	25'9	24'2	23'0
2 X 8 - 1 KNEE		36'6	34'4	32'7	31'2	29'10	28'3	2 X 8 - 1 KNEE		34'6	33'9	31'3	29'9	28'2	27'0
2 X 8 - 2 KNEES		40'6	38'4	36'7	35'2	33'10	32'3								
2 X 9 - 0 KNEES		35'9	33'4	31'5	29'11	28'1	26'6	2 X 9 - 0 KNEES		33'6	31'3	30'0	27'9	26'0	24'9
2 X 9 - 1 KNEE		39'9	37'4	35'5	33'11	32'1	30'6	2 X 9 - 1 KNEE		37'6	35'3	34'0	31'9	30'0	28'9
2 X 9 - 2 KNEES		43'9	41'4	39'5	37'11	36'1	34'6								
2 X 10 - 0 KNEES		44'4	41'4	39'1	37'3	35'8	34'4	2 X 10 - 0 KNEES		39'3	37'7	35'5	35'0	33'5	30'11
2 X 10 - 1 KNEE		48'4	45'4	43'1	41'3	39'8	38'4	2 X 10 - 1 KNEE		43'3	41'7	39'5	39'0	37'5	34'11
2 X 10 - 2 KNEES		52'4	49'4	47'1	45'3	43'8	42'4								
Interpolation between spans is permitted.							Interpolation between spans is permitted.								
NOTE 1: Roof spans using knee braces are figured for knee braces of 4ft on the horizontal. The difference in the knee brace length of less than or greater than 4ft on the horizontal will be deducted from or added to the span.							NOTE 3: Spans and heights using knee braces are used only for dome, flat, and no splice gable roof styles.								
NOTE 2: Wall spans using knee braces are figured for knee braces of 4ft on the vertical. The difference in the knee brace length of less than or greater than 4ft on the vertical will be deducted from or added to the span.							NOTE 4: When using spans or heights in bold bordered areas - site specific sealed engineering and layout drawings are required when enclosure is 40ft or greater in distance from host structure (regardless of which direction beams span) and the upright height is 20ft or greater.								
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