

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0605-59 Date Received 5/16 By LH Permit # 24555
Application Approved by - Zoning Official BKW Date 22.05.06 Plans Examiner OK JH Date 5-16-06
Flood Zone x per plot Development Permit N/A Zoning A-3 Land Use Plan Map Category Agr. 3
Comments

Applicants Name Robert McIntosh Phone 386-754-8678
Address 289 NW Corinth Dr Lake City FL 32055
Owners Name Forman, Trudy Phone 466-1942
911 Address 198 SW Cypresswood Glen Lake City, FL 32025
Contractors Name Michael A Delattoz Phone 386-754-8678
Address 289 NW Corinth Dr, Lake City FL 32055
Fee Simple Owner Name & Address n/n
Bonding Co. Name & Address n/n
Architect/Engineer Name & Address Gordon H. Shepardson 1025 S. Semoran Blvd Winter Park FL 32792
Mortgage Lenders Name & Address n/n

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 27-58-17-09415-113 Estimated Cost of Construction 6440.00
Subdivision Name Magnolia Place Lot 13 Block Unit Phase
Driving Directions S on 441, turn right on 349, left at Magnolia Place S/D on Cherrywood Way, right on Cypresswood, left on left
Type of Construction Screened Pool Enclosure Number of Existing Dwellings on Property 1
Total Acreage 5.010 Lot Size 316 x 693 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 150' + Side 126' Side 126' Rear 423'
Total Building Height 12' Number of Stories 1 Heated Floor Area - Roof Pitch 4

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 L McIntosh
Owner Builder or Agent (Including Contractor)

Contractor Signature
Contractors License Number SCC 056689
Competency Card Number
NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
his day of 20
Personally known or Produced Identification

Nadean G.S. McIntosh
Commission # DD371494
Expires November 14, 2008
Bonded Troy Fain - Insurance, Inc. 800-385-7019
Notary Signature

- JW - ADVISED DADR ON 5-23-06

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 27-58-17-09415-113

- Description of property: (legal description of the property and street address or 911 address)  
Lot 13, Magnolia Place 3/D Plat B 7, Pg 174-179  
Columbia Co  
198 SW Cypresswood Gln  
Lake City, FL 32025
- General description of improvement: Screen Pool Enclosure
- Owner Name & Address Trudy Forman 198 SW Cypresswood Gln  
Lake City, FL 32025 Interest in Property owner
- Name & Address of Fee Simple Owner (if other than owner): n/a
- Contractor Name Mike Delatos Phone Number 386-754-8678  
Address 289 NW Corinth Dr Lake City, FL 32055
- Surety Holders Name n/a Phone Number \_\_\_\_\_  
Address \_\_\_\_\_  
Amount of Bond \_\_\_\_\_ Inst:2006011888 Date:05/16/2006 Time:10:22
- Lender Name n/a J.F. DC, P. DeWitt Cason, Columbia County B:1083 P:2311  
Address \_\_\_\_\_
- 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 \_\_\_\_\_
- 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
- 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.

Trudy Forman  
Signature of Owner

Sworn to (or affirmed) and subscribed before day of April 24<sup>th</sup>, 2006

NOTARY STAMP



Nadean G.S. McIntosh  
Commission # DD371494  
Expires November 14, 2008  
Bonded Troy Fain - Insurance, Inc. 800-305-7010

Nadean G.S. McIntosh  
Signature of Notary

**This Instrument Prepared by & return to:**  
Name: administrator, an employee of  
**TITLE OFFICES, LLC**  
Address: **1089 SW MAIN BLVD.**  
**LAKE CITY, FLORIDA 32025**  
**04Y-05089JK**  
Parcel I.D. #: **09415-000**

Inst: 2004012977 Date: 06/03/2004 Time: 14:51  
Doc Stamp-Deed : 294.00  
77K DC, P. Dewitt Cason, Columbia County B: 1017 P: 1246

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

**THIS WARRANTY DEED** Made the **28th** day of **May**, A.D. 2004, by  
**GLENN FARMS, INC.**, having its principal place of business at **P.O. BOX 66, FORT WHITE, FLORIDA 32038**,  
hereinafter called the grantor, to **TRUDY FORMAN** and **JOSEPH WLUDYKA**, AS JOINT TENANTS WITH RIGHTS  
OF SURVIVORSHIP, whose post office address is **1369 SE 3RD AVENUE, POMPANO BEACH, FL 33060**,  
hereinafter called the grantees:

*(Wherever used herein the terms "grantor" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)*

**Witnesseth:** That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in **Columbia County, State of FLORIDA**, viz:

Lot 13, MAGNOLIA PLACE, according to the map or plat thereof as recorded in Plat Book 7, Page 174-179, of the Public Records of Columbia County, FLORIDA.

Easements in favor of CLAY ELECTRIC COOPERATIVE, INC., recorded in Official Records Book 1007, Page 2738 and in Official Records Book 1007, Page 2743, of the Public Records of Columbia County, FLORIDA.

Subject to declaration of covenants, conditions and restrictions as recorded in Official Records Book 1016 Page 1293, but omitting any covenant or restrictions as to race, color, religion, sex, handicap, familial status or national origin.

Restrictions, conditions, reservations, easements, and other matters common to the subdivision or shown on the map or plat thereof recorded in Plat Book 7, Page 174-179, but omitting any covenant or restriction based on race, color, religion, sex, handicap, familial status or national origin.

Subject to the Mortgage from GLENN FARMS, INC. in favor of CAPITAL CITY BANK in the original principal amount of \$1,030,000.00, recorded in Official Records Book 977, Page 6. Assignment of Rents in Official Records Book 977, Page 14.

*Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.*

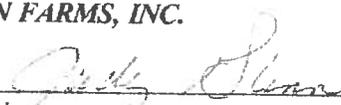
**To Have and to Hold** the same in fee simple forever.

*And the grantor hereby covenants with said grantees that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2003.*

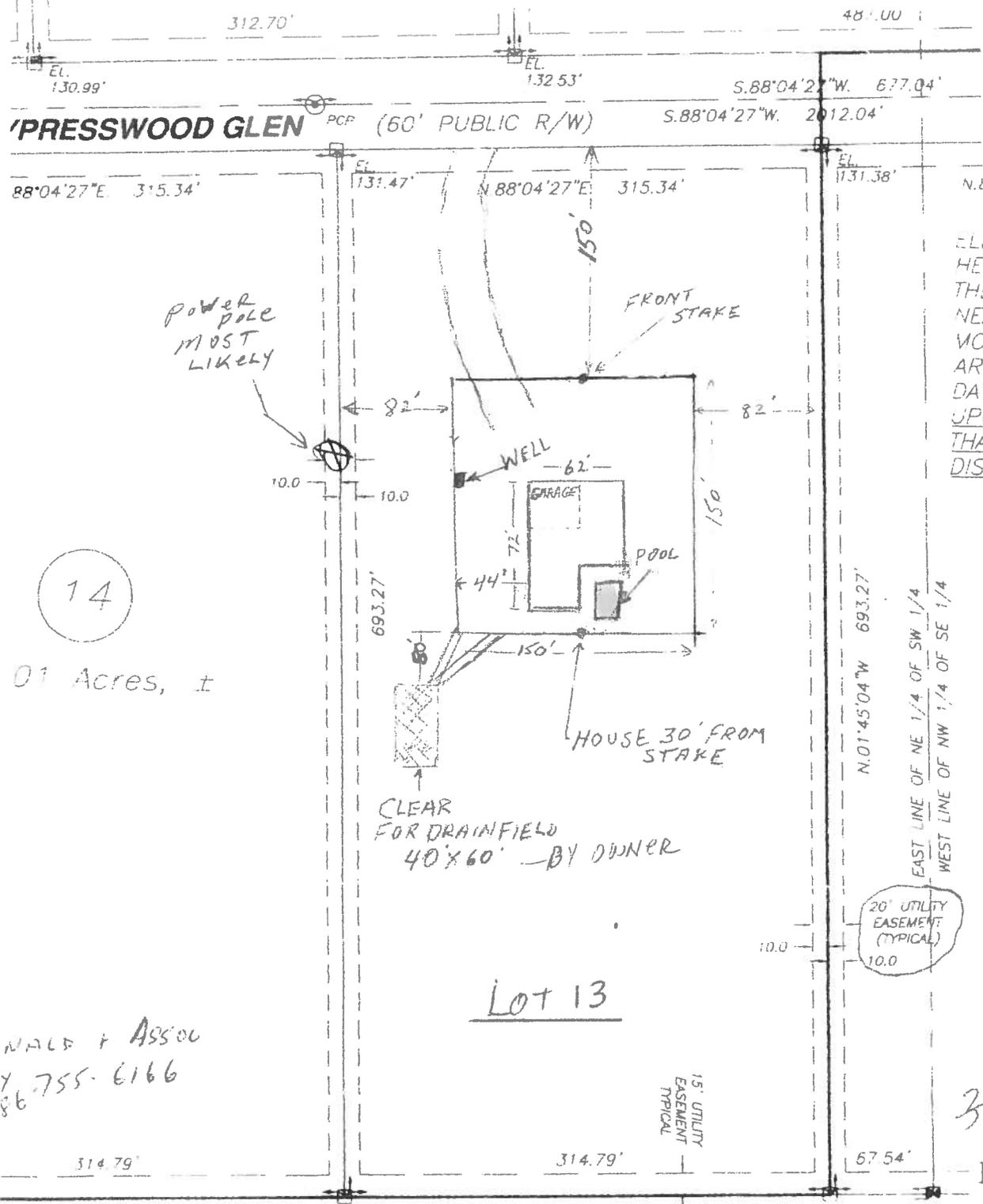
*In Witness Whereof, the said grantor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its proper officers thereunto duly authorized, the day and year first above written.*

Signed, sealed and delivered in the presence of:

  
Witness Signature  
**MARTHA BRYAN**  
Printed Name

**GLENN FARMS, INC.**  
By:  L.S.  
Name: Judy Glenn  
Title: sec/treas.

349 and  
441



14  
0.1 Acres, ±

WALD + ASSOC  
786-755-6166

TRUDY FORMAN  
198 S.W. CYPRESSWOOD GLEN  
LAKE CITY, FL 32025

406 1942

~~386-402-6399~~

EL  
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UP  
THA  
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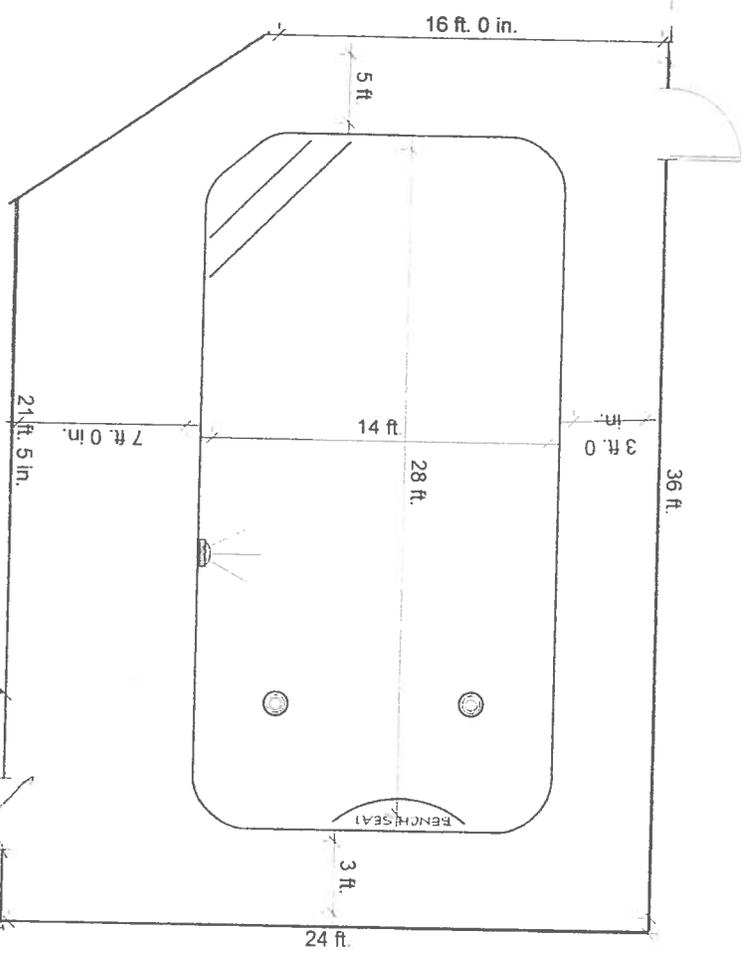
20' UTILITY  
EASEMENT  
(TYPICAL)  
10.0

38

M



Do not duplicate - This drawing is the property of Unique Pools and Spas and may be purchased separately for \$250. No duplication allowed. Violators may be prosecuted.



104" Depth  
24" C.H.

198 S.W. CYPRESSWOOD LN  
Lake City, FL

466-1942

Joe Whittaker and Trudy Foreman  
Magnolia Place

Unique Pools and Spas

180 Armenty Ct. Lake City, FL 32055  
386 752 1014 FAX 386 752 5613

DESIGNER

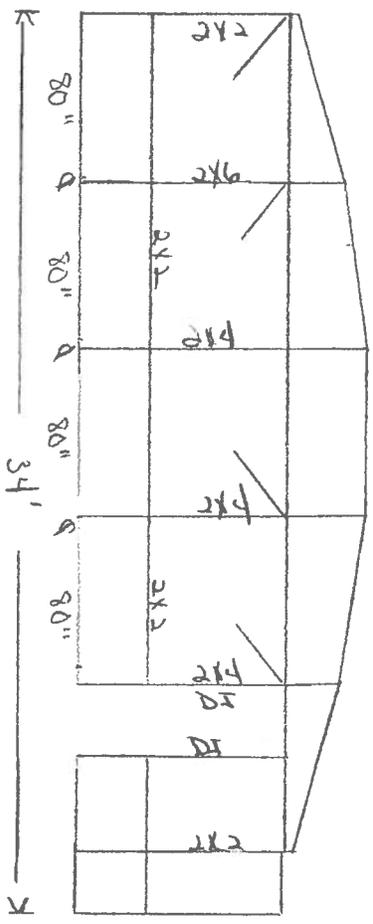
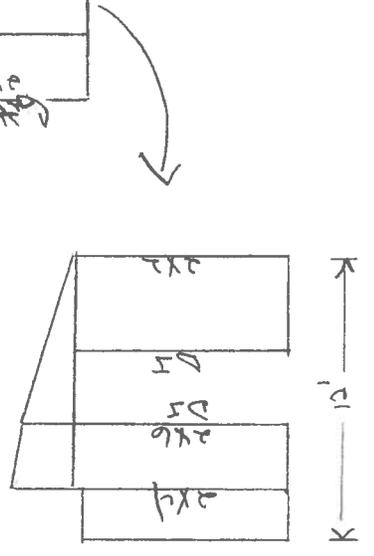
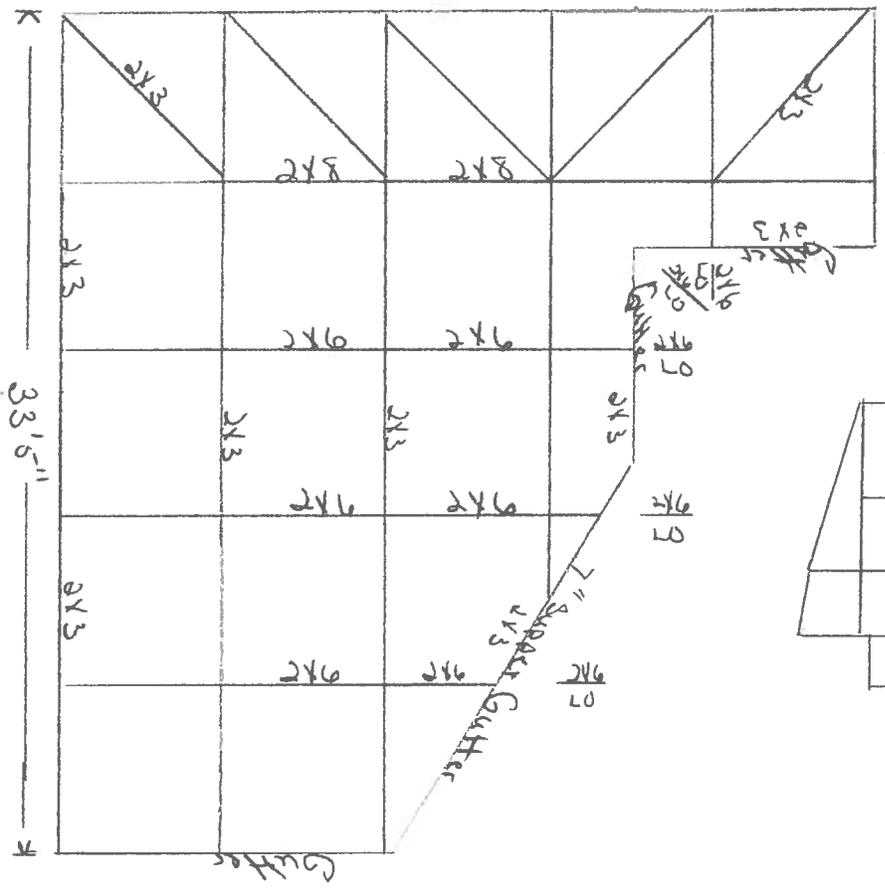
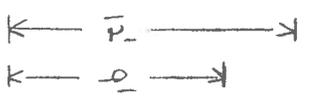
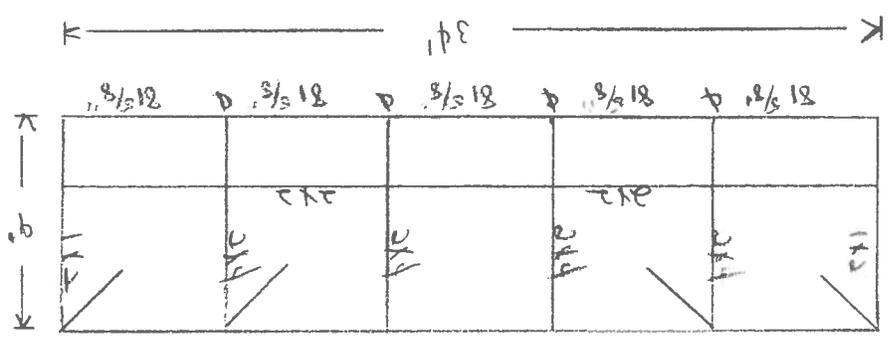
Mirawala M. Koon

PAGE

DEPT

REV

FORERMAN - Dome



# FLILINE INC.

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

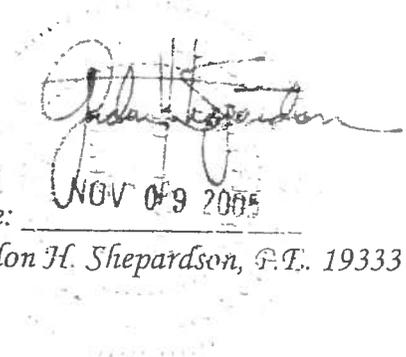
## Authorization Letter to use Aluminum Design Manual Master-file

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 1<sup>st</sup>, 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:        | Forman, Turdy                                  |
| Address:          | 289 Northwest Corinth Dr.<br>Lake City, FL 32055 | Address:           | 198 SW Cypresswood Gln.<br>Lake City, FL 32025 |
| Phone number:     | 386-754-8675                                     | Legal Description: | Lot 13, Magnolia Place S/D                     |
| Member ID Number: |                                                  |                    | Plot B7, Pg 174-179 # 27-55-17-09415-13        |

| 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     |                                      |                                |
| 150mph/1.3.2.150C     | 150mph/1.3.2.150C        | 150mph/1.3.2.150C                               | 150mph/1.3.2.150C     |                                      |                                |

Date: MAY 22 2005

Gordon H. Sheppardson, P.E. 19333

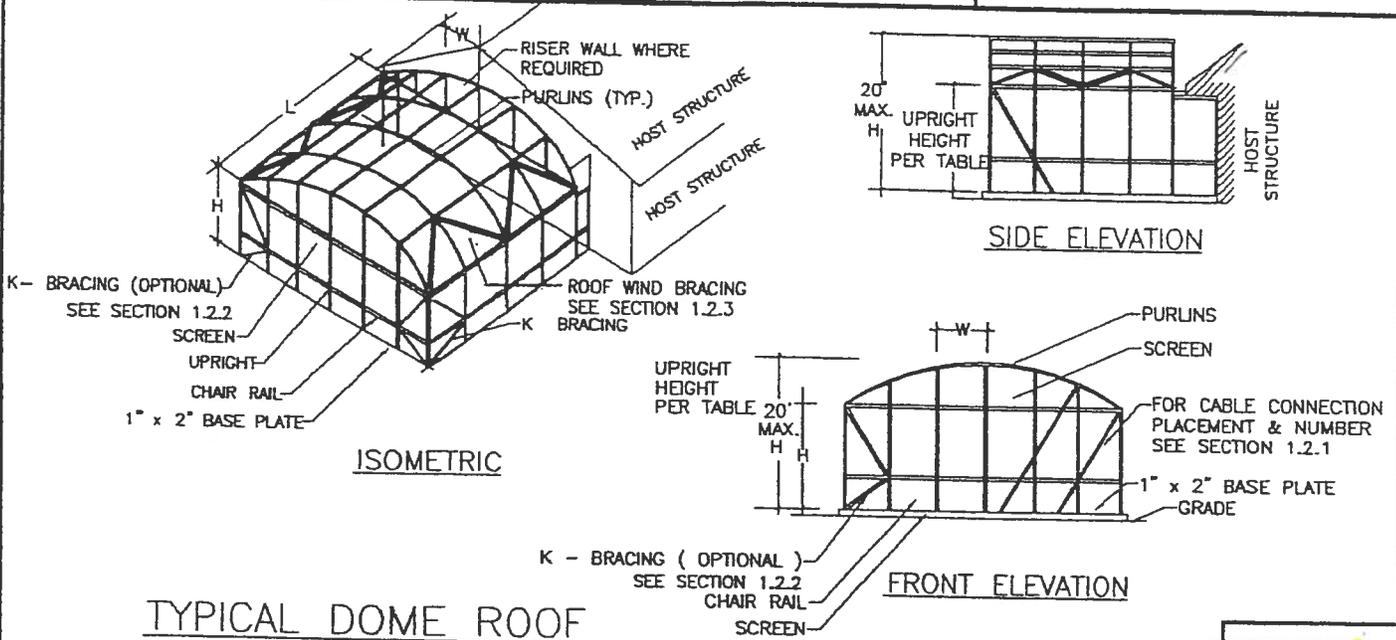


SECTION 1.1.1

DOMES

SCREEN ENCLOSURES

REVISIONS  
02/15/05



TYPICAL DOME ROOF

APPLIES

(STANDARDS)

- 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.
- 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.
- 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.
- 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.
- 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.
- ALL FASTENERS WILL BE 24" C- C MAX. UNLESS OTHERWISE NOTED. SCREWS SHALL BE COATED WEATHER SEALED.
- NO OPEN AREA BETWEEN ALUMINUM SHALL EXCEED 56 S.F.
- ALL SCREEN ENCLOSURE DOORS SHALL BE SELF LATCHING AND CLOSING AND MAY BE LOCATED INTO ANY SCREEN PANEL OPENING.
- DISTANCE BETWEEN PURLINS SHALL NOT EXCEED 84 INCHES CENTER TO CENTER.
- 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.
- ENCLOSURE MUST BE GROUNDED AND BONDED IN ACCORDANCE WITH N.E.C.
- NO UNAPPROVED APPENDICES OR ACCESSORIES MAY BE ATTACHED TO ANY ALUMINUM MEMBERS WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- 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.
- THIS IS AN OPEN ALUMINUM FRAMED STRUCTURE WITH SCREEN (MAX MESH OF 20/20) ROOF AND WALLS. IT HAS AN IMPORTANCE FACTOR (Im) 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

GORDON H. SHEPARDSON, P.E.  
FLORIDA REG. 15333  
SEP 21 2005  
APPLIES

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

HOST  
STRUCTURE

2" SMS @ 2'-0" O.C.

2"x2" ANGLE  
W/ 6 # 10 TEKS  
EACH SIDE.  
5" OR 7" SUPER  
GUTTER

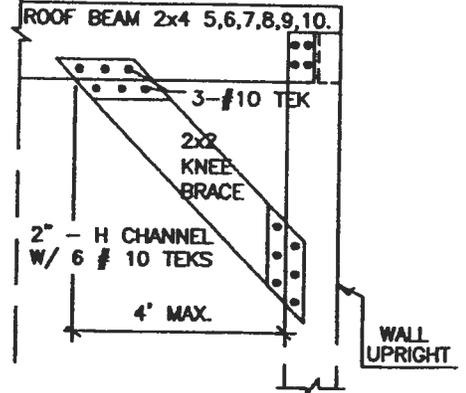
4' MAX.  
2" H CHANNEL  
W/ 6 # 10 TEKS

2x2  
HOLLOW

CENTER  
SCREWS

4' MAX.

4' MAX.

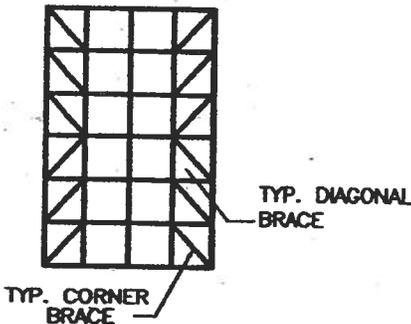


KNEE BRACE DETAIL

STRUCTURAL GUTTER & KNEE BRACE DETAIL

APPLIES

HOUSE



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

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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

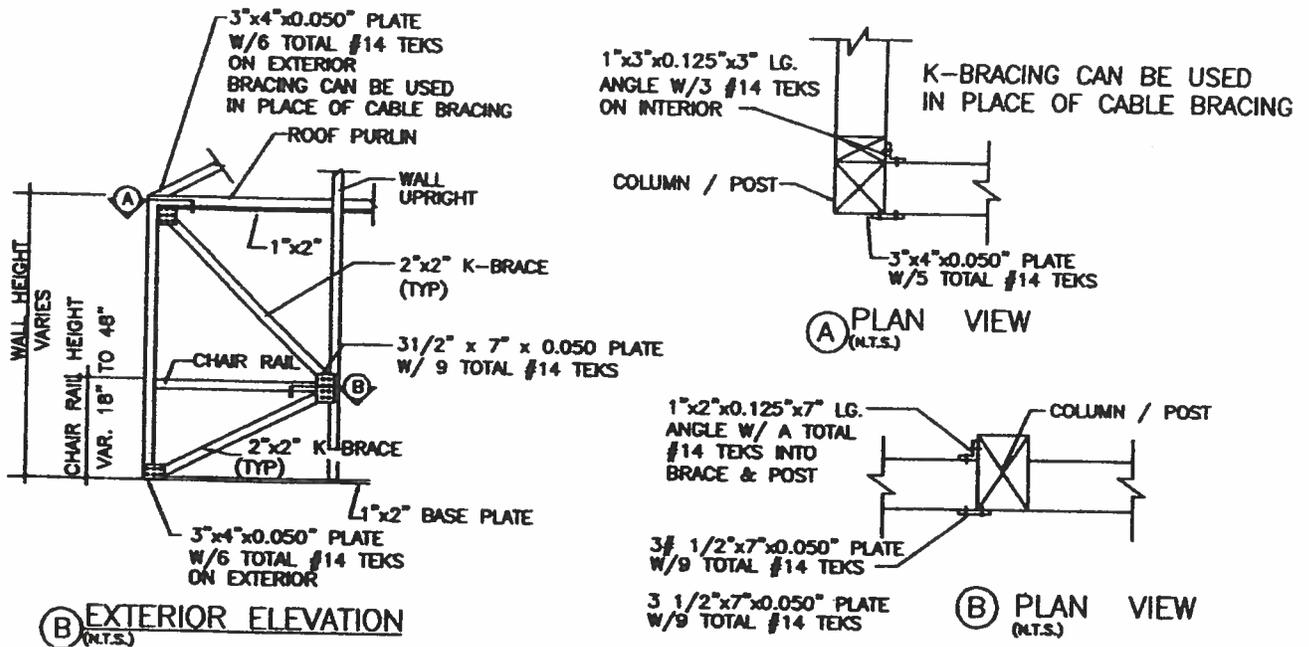
GORDON H SHEPARDSON P.E.  
FLORIDA P.E. 10833

SECTION 1.2.2

DETAILS

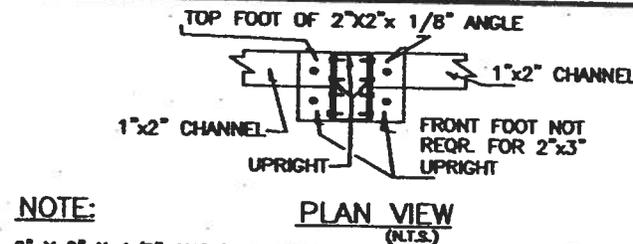
SCREEN ENCLOSURES

REVISIONS  
02/15/05



**K-BRACING DETAIL**

**APPLIES**



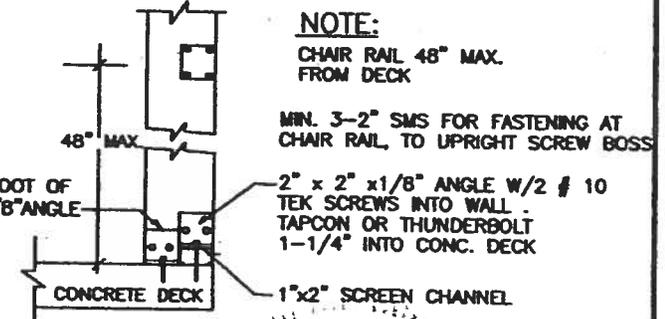
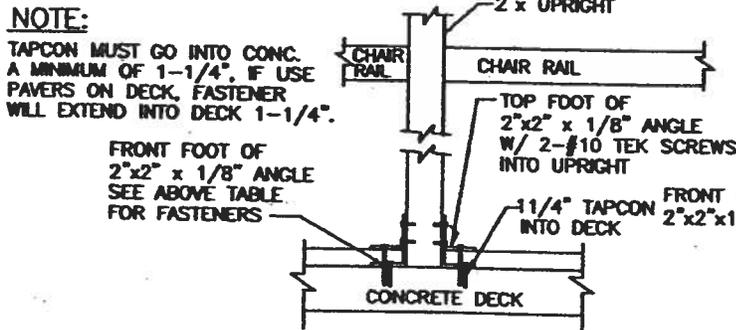
**NOTE:**  
2" x 2" x 1/8" ANGLE IS ONLY REQUIRED ON LOAD BEARING WALLS

**NOTE:**  
USED WITH ALL SCREEN TYPES

**NOTE:**  
2X2 ANGLE ONLY ON LOAD BEARING WALL

| FRONT FOOT TABLE         |    |    |    |    |    |    |     |
|--------------------------|----|----|----|----|----|----|-----|
| UPRIGHT SIZES            | x4 | x5 | x6 | x7 | x8 | x9 | x10 |
| 1/4" TAPCON EACH SIDE    | 1  | 2  | 2  | 3  | 3  | 4  | 4   |
| #10 TEK SCREWS EACH SIDE | 2  | 4  | 4  | 6  | 6  | 8  | 8   |
| HIGHLIGHT ONE            |    |    |    |    |    |    |     |

SELECT LOADBEARING UPRIGHT SIZES



**TYPICAL DECK PLATE & POST CONNECTION**

**APPLIES**

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FEB 15 2005

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SECTION 1.2.1

DETAILS

SCREEN ENCLOSURES

REVISIONS  
02/15/05

FRONT WALL--1/8" STAINLESS STEEL CABLE

2 CABLE FOR EVERY 200 SQ. FT.

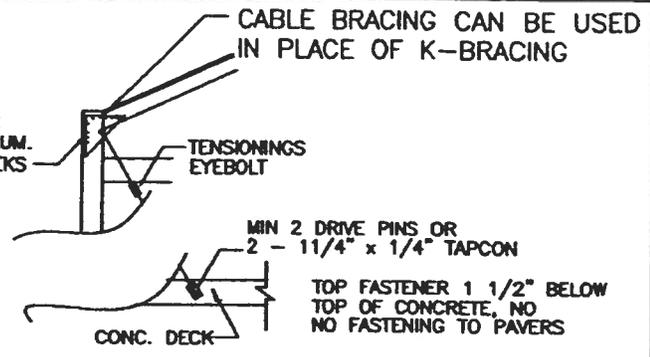
NOTE: ALL WALLS OVER 15" HIGH MUST HAVE 1/2 OR MORE OF THE CABLES AT THE TOP OF THE WALL, ABOVE THE TOP CHAIR RAIL.

SIDE WALL--1/8" STAINLESS STEEL CABLE

UP 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.

HOMEOWNER 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.



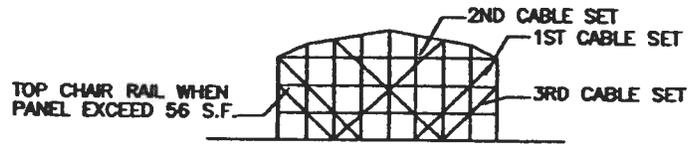
CABLE CORNER PLATE 1/8" ALUM. W/ 8 # 10 TEKS

TENSIONINGS EYEBOLT

MIN 2 DRIVE PINS OR 2 - 11/4" x 1/4" TAPCON

TOP FASTENER 1 1/2" BELOW TOP OF CONCRETE, NO FASTENING TO PAVERS

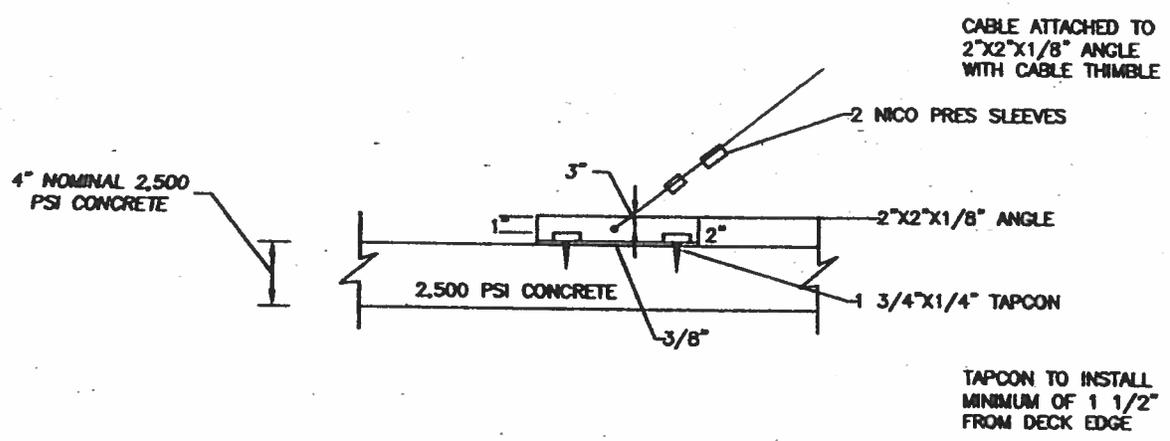
CONC. DECK



SCREEN CABLE BRACING DIAGRAM

CABLE SCHEDULE FOR SCREEN ENCLOSURE

APPLIES



CABLE ATTACHED TO 2"x2"x1/8" ANGLE WITH CABLE THIMBLE

2 NICO PRES SLEEVES

2"x2"x1/8" ANGLE

1 3/4"x1/4" TAPCON

TAPCON TO INSTALL MINIMUM OF 1 1/2" FROM DECK EDGE

CABLE BRACE MOUNTED ON TOP OF CONCRETE DECK

APPLIES

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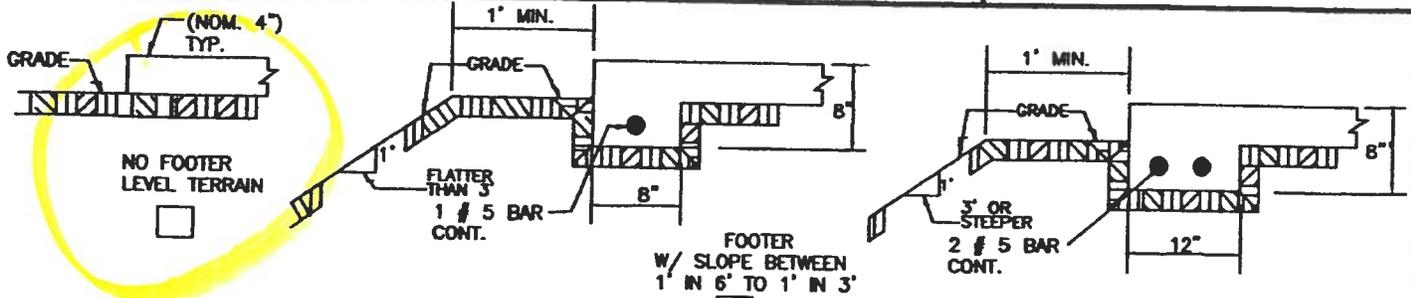
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SECTION 1.2.10

DETAILS

SCREEN ENCLOSURES

REVISIONS  
02/15/05



RIBBON FOOTER—WHERE FOOTER IS NOT CONNECTED TO DECK:

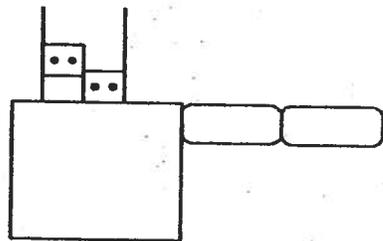
- USE 8"x8" CONCRETE RIBBON FOOTER W/ 1#5 REBAR CONTINUOUS TO SUPPORT UP TO 2" X 6" UPRIGHT
- USE 8"x 12" CONCRETE RIBBON FOOTER W/ 2 # 5 REBARS CONTINUOUS TO SUPPORT UPRIGHTS LARGER THAN 2" X 6"

FOOTER WHEN SLOPE 1' IN 3' OR STEEPER OR WHEN DECK EXTENDS 33' OR MORE PERPENDICULAR TO THE SUPPORTING STRUCTURE.

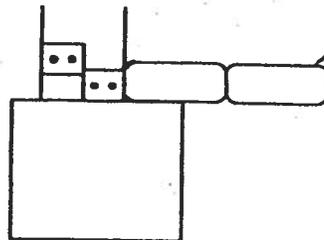
- 1) FOOTER SHALL BEAR ON ROCK, CLEAN SAND, OR STRUCTURALLY SOUND SOIL (>1500 PSI) THAT SHALL BE COMPACTED TO PROVIDE OPTIMUM BEARING CAPACITY TO PREVENT SETTLING.
- 2) CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 2,500 PSI W/ FIBER MESH OR 6x6-10x10 W W MESH.
- 3) 3 - #3 BARS IS EQUIVALENT TO 1 #5 BARS.

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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SECTION 1.2.4

DETAILS

SCREEN ENCLOSURES

REVISIONS  
02/15/05

|         |      | BEAMS |     |     |     |     |     |      |
|---------|------|-------|-----|-----|-----|-----|-----|------|
|         |      | 2x4   | 2x5 | 2x6 | 2x7 | 2x8 | 2x9 | 2x10 |
| 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

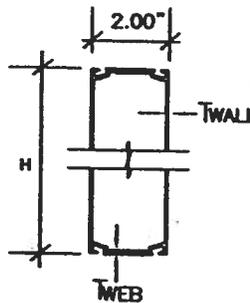
HOMEOWNER MAINTENANCE RESPONSIBILITY:  
FASTENERS SHOULD BE CHECKED PERIODICALLY FOR DETERIORATION.  
IF DETERIORATION IS DETECTED CONTACT A QUALIFIED SERVICE COMPANY.

BEAM OVERLAP OR GUSSET PLATE CONNECTION

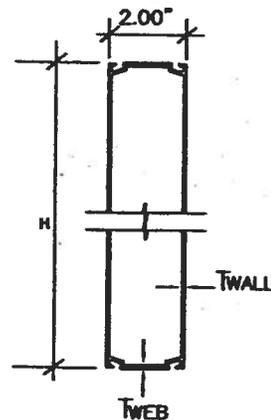
APPLIES

| ALUMINUM            |       |       |                                    |
|---------------------|-------|-------|------------------------------------|
| PHYSICAL PROPERTIES |       |       |                                    |
| 2xH                 | TWALL | TWEB  | SECTION MODULUS (IN <sup>3</sup> ) |
| 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 TABLE



SNAP EXTRUSION



SELF MATING BEAM

ALUMINUM PHYSICAL PROPERTIES

APPLIES

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# BEAM SPAN AND UPRIGHT HEIGHT TABLES

|                                                                                                                                                                                                                                   |                                                           |                                                                                                                                                                                                                                                                                       |                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>SECTION</b><br><b>1.3.2.110 B</b>                                                                                                                                                                                              | <b>SPAN</b><br><b>TABLES</b>                              | <b>SCREEN ENCLOSURES</b>                                                                                                                                                                                                                                                              | <b>6063-T6 ALLOY</b><br><b>6061-T5 ALLOY</b><br><b>6061-T6 ALLOY</b><br><b>110MPH EXPOSURE B</b> |
| <b>ALUMINUM ALLOY : 6063-T6, 6061-T5, &amp; 6061-T6 WIND ZONE: 110MPH EXPOSURE B</b>                                                                                                                                              |                                                           |                                                                                                                                                                                                                                                                                       |                                                                                                  |
| <b>ALL ROOF STYLES</b>                                                                                                                                                                                                            |                                                           |                                                                                                                                                                                                                                                                                       |                                                                                                  |
| MAX. SPANS FOR ROOF BEAMS FOR SCREEN ROOF/POOL ENCLOSURES<br>UP TO 150 MPH WIND LOAD<br>ALL WIND SPEEDS PRESSURE 10 PSF                                                                                                           |                                                           | MAX. SPANS FOR WALL UPRIGHTS FOR SCREEN ROOF/POOL ENCLOSURES                                                                                                                                                                                                                          |                                                                                                  |
| <b>ROOF BEAM SPANS</b><br>Interpolation between spans is permitted.                                                                                                                                                               |                                                           | <b>WALL UPRIGHT HEIGHTS</b><br>Interpolation between spans is permitted.                                                                                                                                                                                                              |                                                                                                  |
| <b>SPANS</b>                                                                                                                                                                                                                      | <b>ROOF SPACING (number of feet)</b><br>4' 5' 6' 7' 8' 9' | <b>HEIGHTS</b>                                                                                                                                                                                                                                                                        | <b>UPRIGHT SPACING (number of feet)</b><br>4' 5' 6' 7' 8' 9'                                     |
| 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 37'6 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/or upright height is 20ft or greater. |                                                                                                  |
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