

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0609-24 Date Received 9/25/06 By G Permit # 25095
Application Approved by - Zoning Official [Signature] Date 10/2/06 Plans Examiner OKJH Date 9-25-06
Flood Zone N/A Development Permit N/A Zoning RSF-1 Land Use Plan Map Category RVLD
Comments

Applicants Name Robert McIntosh Phone 386-754-8678
Address 289 NW Corinth Dr Lake City FL 32055
Owners Name Timothy Race Phone
911 Address 328 SW Greenridge Lane 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/a
Bonding Co. Name & Address n/a
Architect/Engineer Name & Address Lawrence E Bennett, P.E.
Mortgage Lenders Name & Address n/a

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 18-48-17-08477-107 HX Estimated Cost of Construction 13,823.50
Subdivision Name Greenridge Estates North S/D Lot 7 Block Unit Phase
Driving Directions South US Highway 441, left on SW SR 47, left on SW Greenridge Lane, 7th house on right.

Type of Construction Pool Enclosure Number of Existing Dwellings on Property
Total Acreage 0.88 Lot Size 210.478 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 111.4' Side 64.5' Side 64.5' Rear 93' 85'
Total Building Height Number of Stories 1 Heated Floor Area Roof Pitch

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

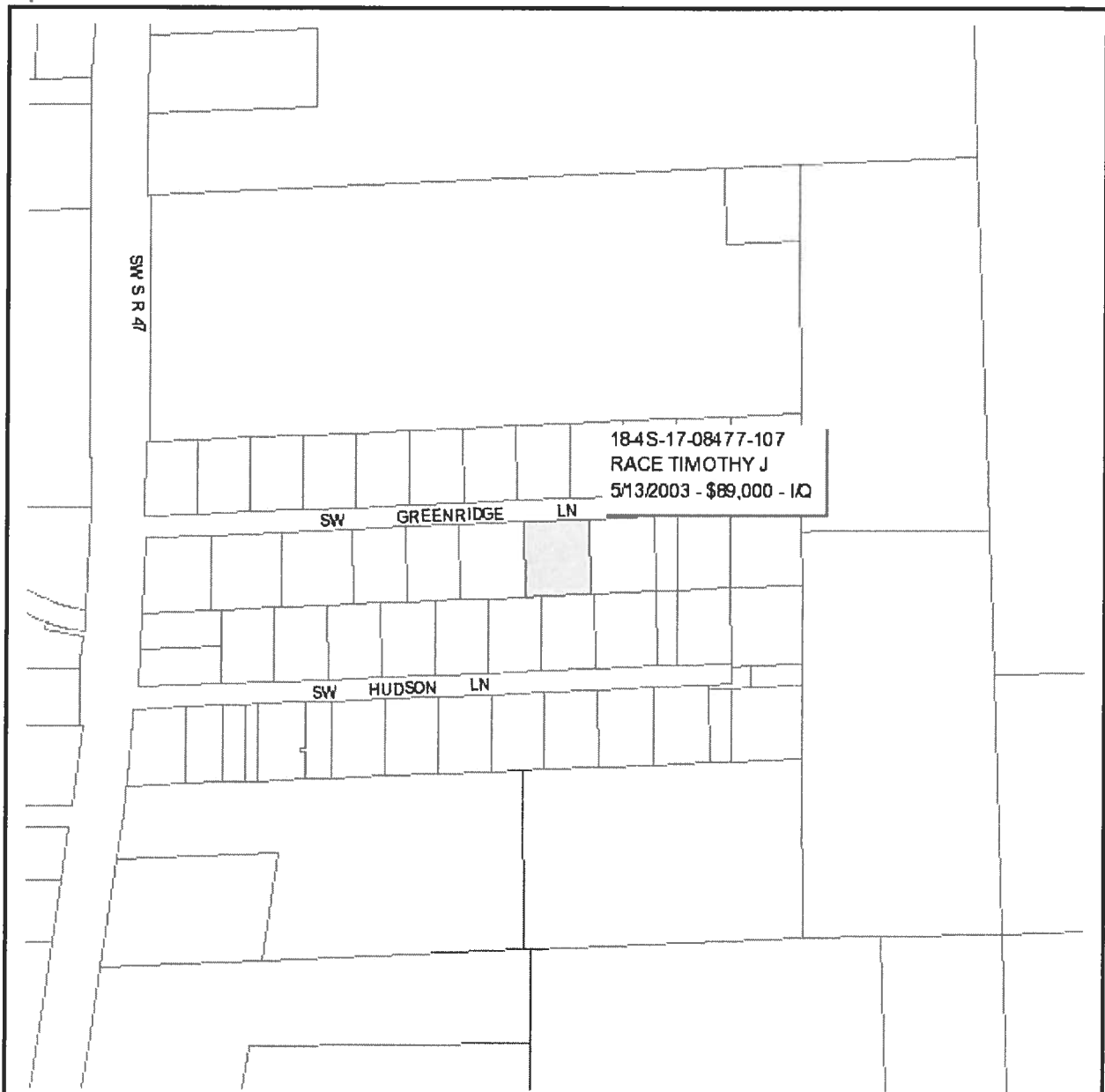
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

[Signature]
Owner/Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA
I have read and understood the contents of this application and have sworn to (or affirmed) and subscribed before me this \_\_\_ day of \_\_\_ 20\_\_
Personally known \_\_\_ or Produced Identification \_\_\_

[Signature]
Contractor Signature
Contractors License Number SC056689
Competency Card Number
NOTARY STAMP/SEAL
Nadean G.S. McIntosh
Commission # DD371494
Expires November 14, 2008
Bonded Troy Fain - Insurance, Inc. 800-365-7019
Notary Signature



184S-17-08477-107  
 RACE TIMOTHY J  
 5/13/2003 - \$89,000 - 1Q

**Columbia County Property Appraiser**

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

0 190 380 570 ft

**PARCEL: 18-4S-17-08477-107 HX - SINGLE FAM (000100)**

Name:	RACE TIMOTHY J	LandVal	\$20,000.00
Site:	GREENRIDGE	BldgVal	\$71,481.00
Mail:	328 SW GREENRIDGE LN LAKE CITY, FL 32025	ApprVal	\$93,873.00
Sales	5/13/2003 \$89,000.00 I / Q	JustVal	\$93,873.00
Info	11/18/1992 \$70,000.00 I / Q	Assd	\$76,238.00
	12/21/1988 \$10,000.00V / Q	Exmpt	\$25,000.00
		Taxable	\$51,238.00



This information, GIS Map Updated: 9/1/2006, 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.

Tim Rice  
328 SW Greenridge Lane  
Lake City FL 32025

@ SW GREENRIDGE LANE

EDGE OF ASPHALT PAVEMENT

N 88°17'00" E 183.77' (M)  
N 88°17'00" E 183.85' (D)  
(BASIS OF BEARINGS)

RLS1519

SOUTH R/W

74.8' 4" WELL

N 02°05'05" E 210.47' (M)  
N 01°48'12" E 210.33' (D)

S 02°02'13" W 210.76' (M)  
S 01°48'12" W 210.33' (D)

ELECTRIC CONTINUES  
UNDERGROUND TO  
RESIDENCE

BRICK RESIDENCE

Pool

ENCLOSURE

SEPTIC TANK

P.O.B.

0.88 AC. ±

0609-64

6

7

RLS1519

RLS1519

S 88°22'37" W 183.93' (M)  
S 88°17'00" W 183.85' (D)

S 88°17'  
593.86

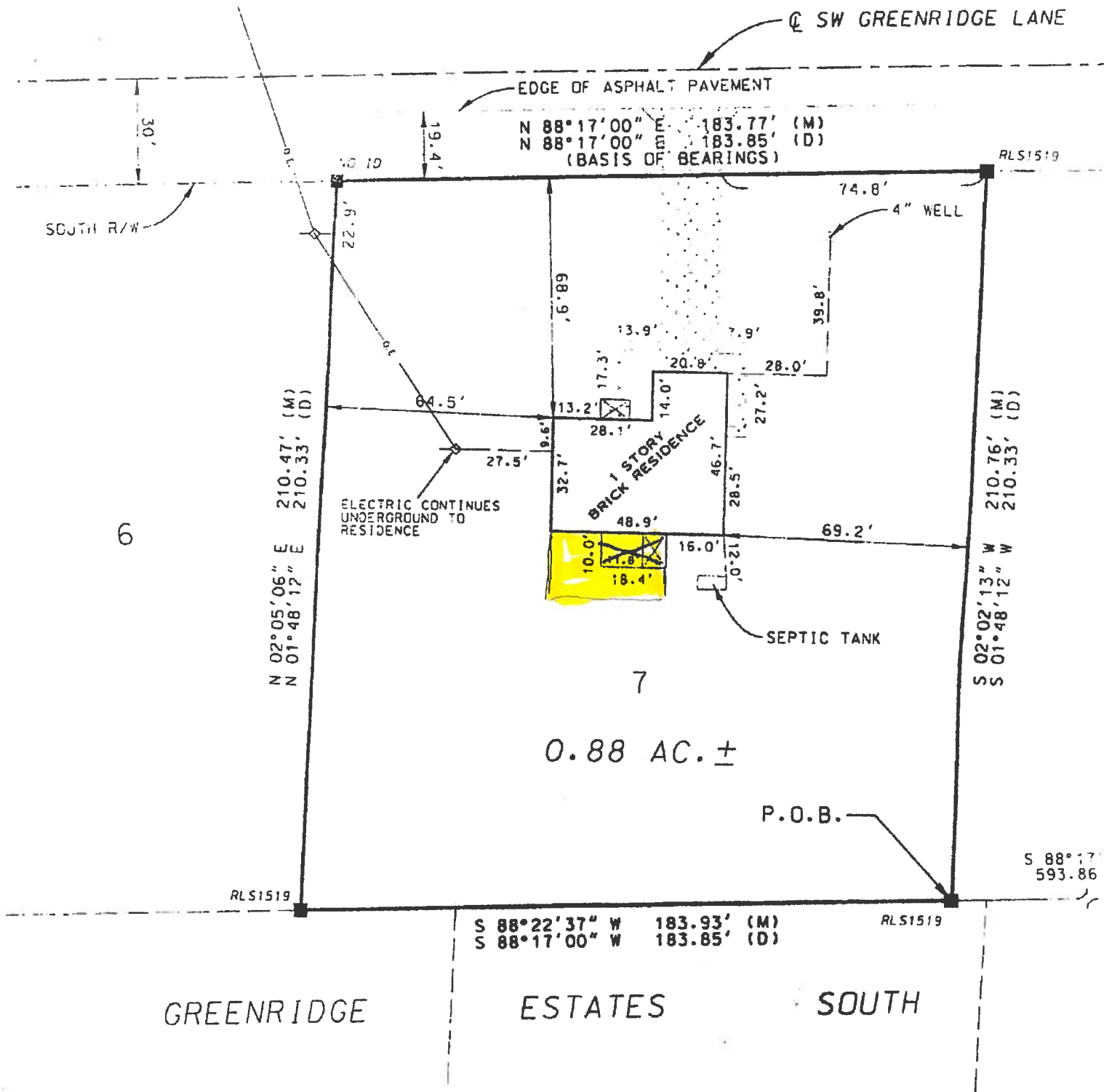
GREENRIDGE

ESTATES

SOUTH

NOTES:

1. BEARINGS ARE BASED ON THE SOUTH RIGHT OF WAY OF SW GREENRIDGE LANE, BEING N 88°17'00" E.
2. SUBJECT PROPERTY LIES IN FLOOD ZONE "X" (UN-SHADED), AN AREA OUTSIDE OF THE 500-YEAR FLOOD PLAIN PER FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 120070 Q175 B. LAST REVISION DATE JANUARY 6, 1988. FLOOD ZONE LINES, IF ANY, ARE SCALED FROM FLOOD INSURANCE RATE MAPS, PROVIDED BY FEMA.
3. ONLY THOSE VISIBLE INTERIOR IMPROVEMENTS AND IMPROVEMENTS PERTINENT TO THE SUBJECT PROPERTY HAVE BEEN LOCATED AS SHOWN HEREON. EXCEPTION IS MADE HEREON TO UNDERGROUND FACILITIES AND OTHER IMPROVEMENTS NOT VISIBLE OR KNOWN AT DATE OF SURVEY.
4. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE, EXCEPTION IS MADE HEREIN REGARDING EASEMENTS, RESERVATIONS AND RESTRICTIONS OF RECORD NOT PROVIDED BY THE CLIE
5. CLOSURE EXCEEDS 1 : 10,000.



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AC# 2647859

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06070801467

	BATCH NUMBER	LICENSE NBR
07/08/2006	060011584	SCC056689

The SPECIALTY STRUCTURE CONTRACTOR  
Named below IS CERTIFIED  
Under the provisions of Chapter 489 FS.  
Expiration date: AUG 31, 2008

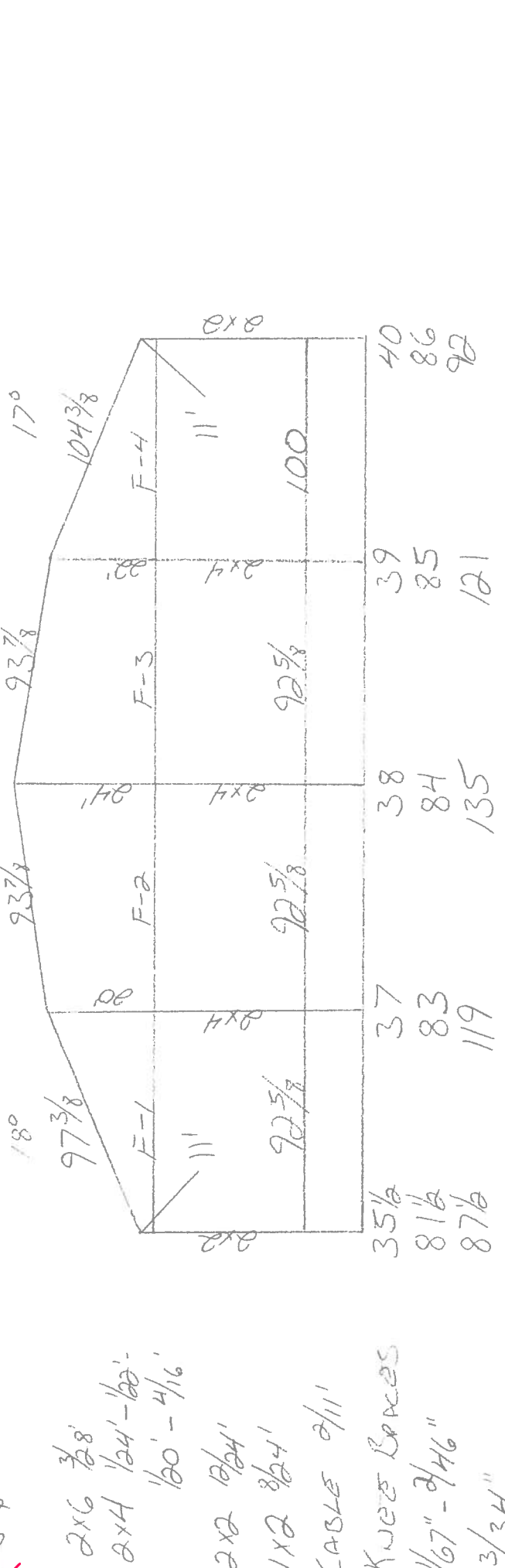
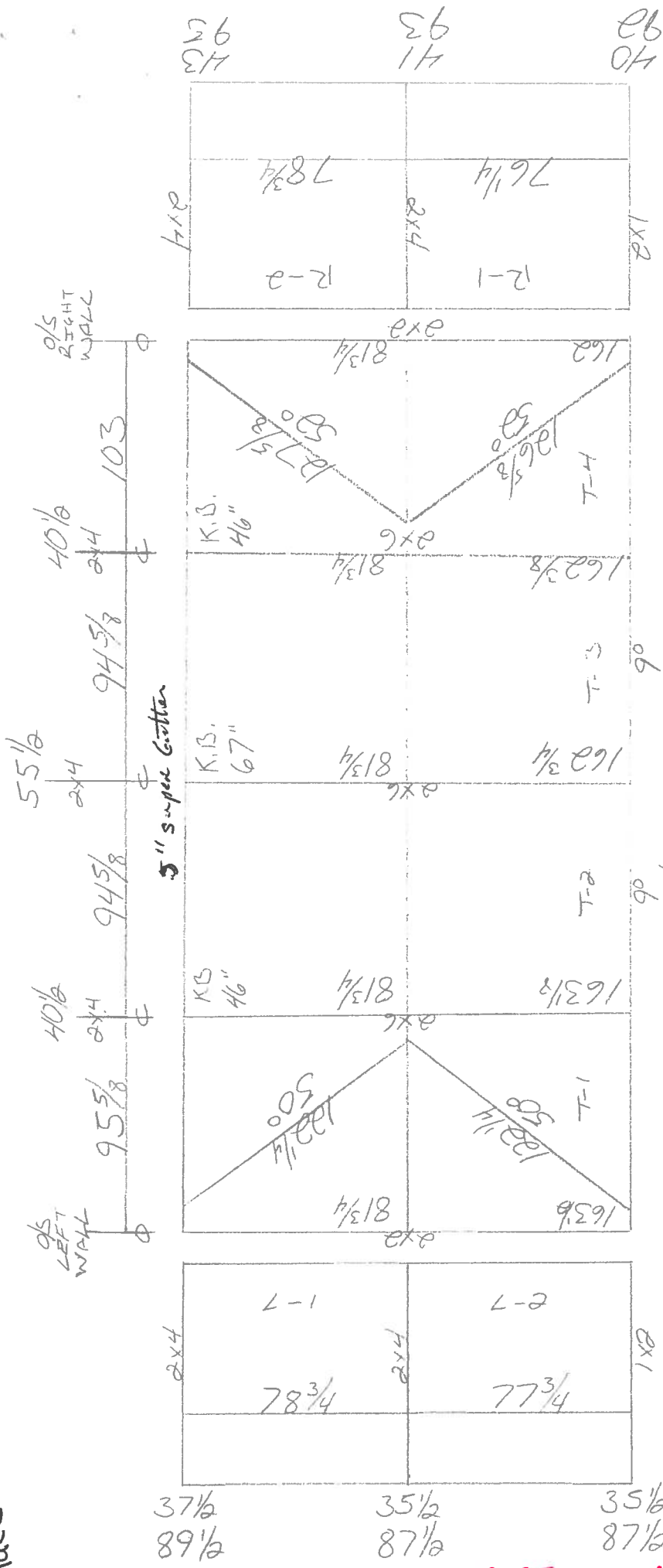
DELAHOZ, MICHAEL ANGEL  
FLORIDA POOL ENCLOSURES INC  
927 HICKORY ST  
ALTAMONTE SPRINGS FL 32701

JEB BUSH  
GOVERNOR

SIMONE MARSTILLER  
SECRETARY

DISPLAY AS REQUIRED BY LAW

Trace



37 1/2  
89 1/2

35 1/2  
87 1/8

35 1/2  
87 1/8

2x6 3/8  
2x4 1/24'-1/20'-  
1'00'-4 1/16'

2x2 1/24'  
1x2 3/24'

CABLE 2/11"

Knee Braces  
1/67"-2/46"  
3/34"

413  
93

41  
93

40  
92

40  
86  
92

39  
85  
121

38  
84  
135

37  
83  
119

35 1/8  
81 1/8  
87 1/8

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.

Mike Delahoz  
AAF Mid Fl  
Florida Pool Enclosures Inc  
P.O. Box 521136  
Longwood, FL 32752

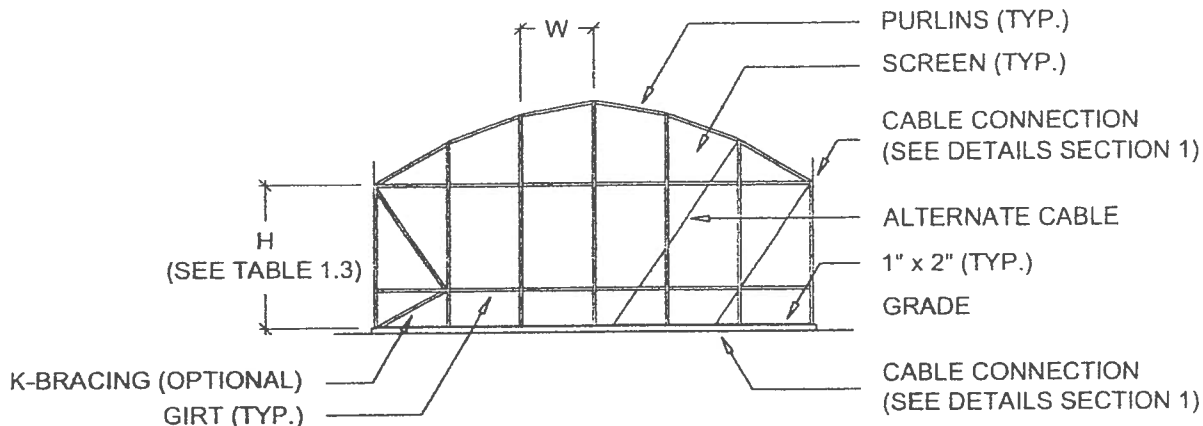
They are hereby added to my 2006 MASTERFILE LIST

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

Sincerely,

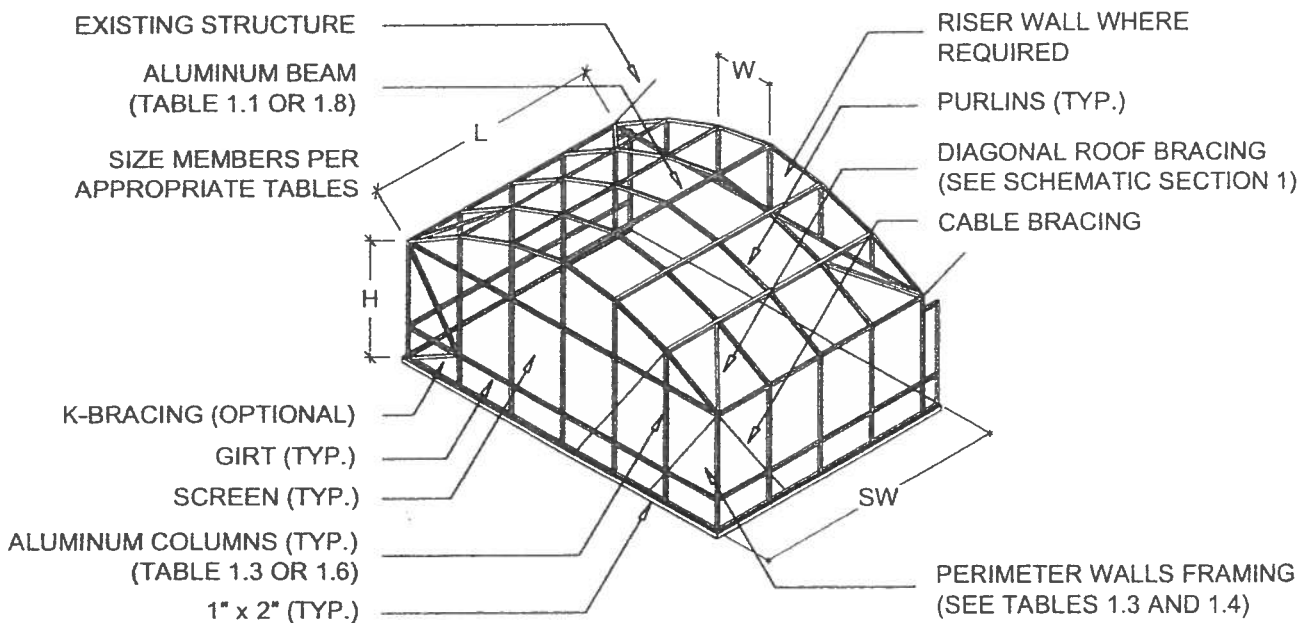
  
Lawrence E. Bennett, P.E. #16644





**TYPICAL DOME ROOF - ELEVATION**

SCALE: N.T.S.



**TYPICAL DOME ROOF - ISOMETRIC**

SCALE: N.T.S.

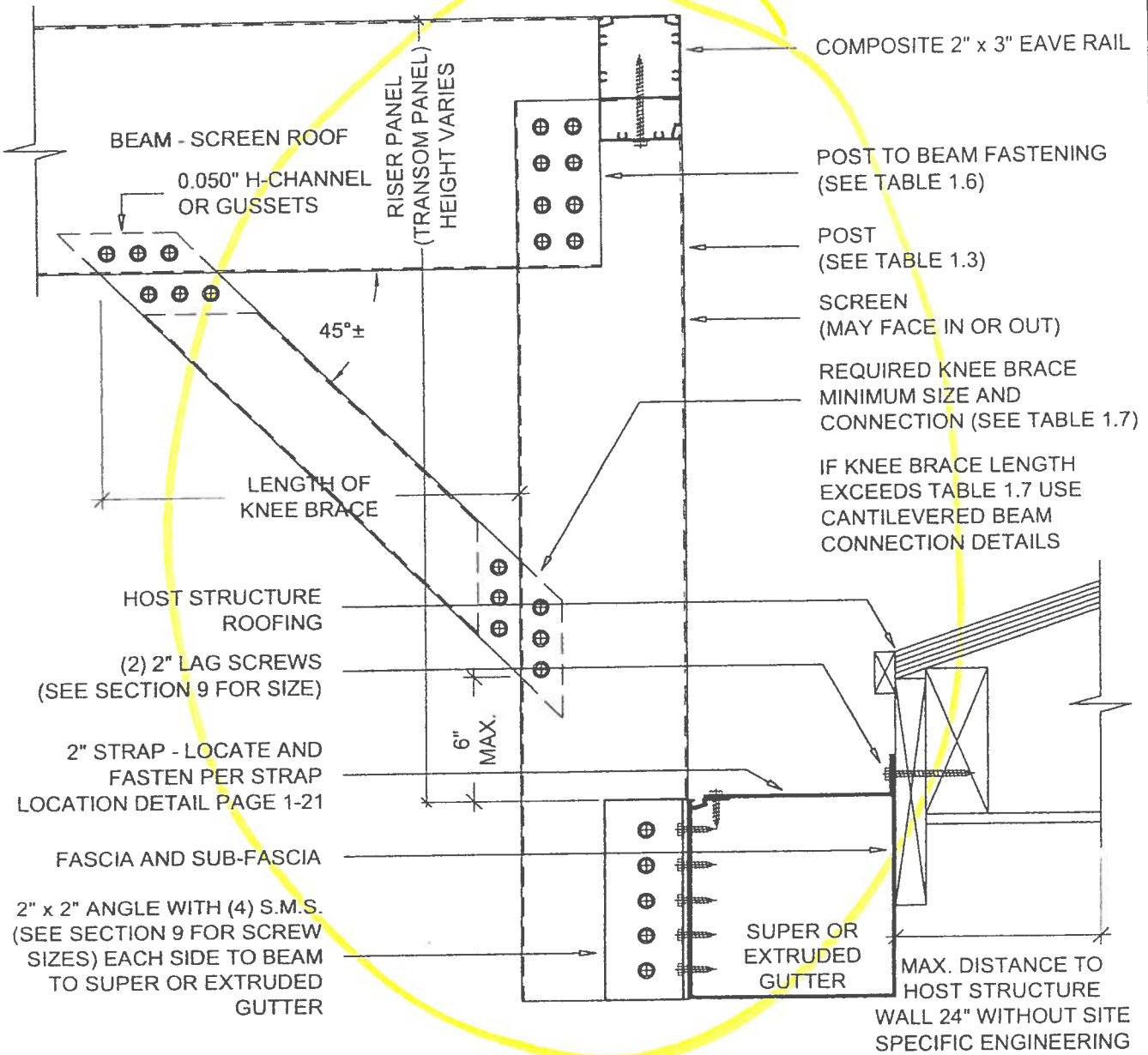
CONNECTION DETAILS AND NOTES ARE FOUND IN THE SUBSEQUENT PAGES.

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 1**

**SCREENED ENCLOSURES**



**SUPER OR EXTRUDED GUTTER**  
**RISER (OR TRANSOM) WALL AT FASCIA - DETAIL 4**

SCALE: 3" = 1'-0"

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

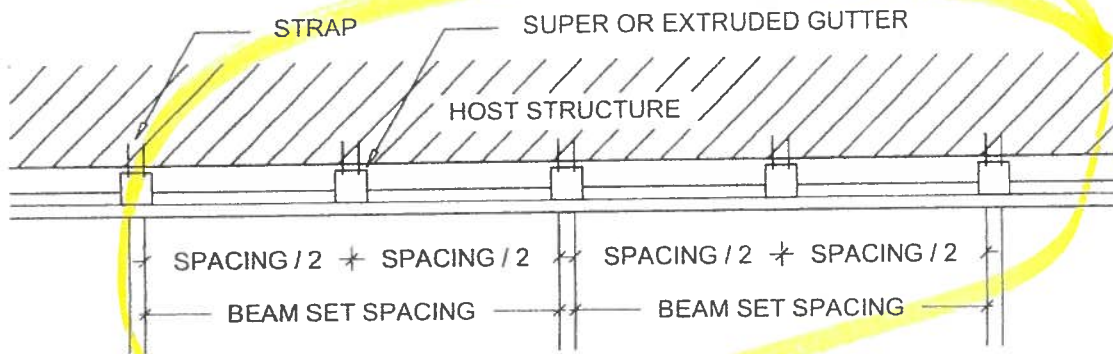
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PAGE

**1-28**

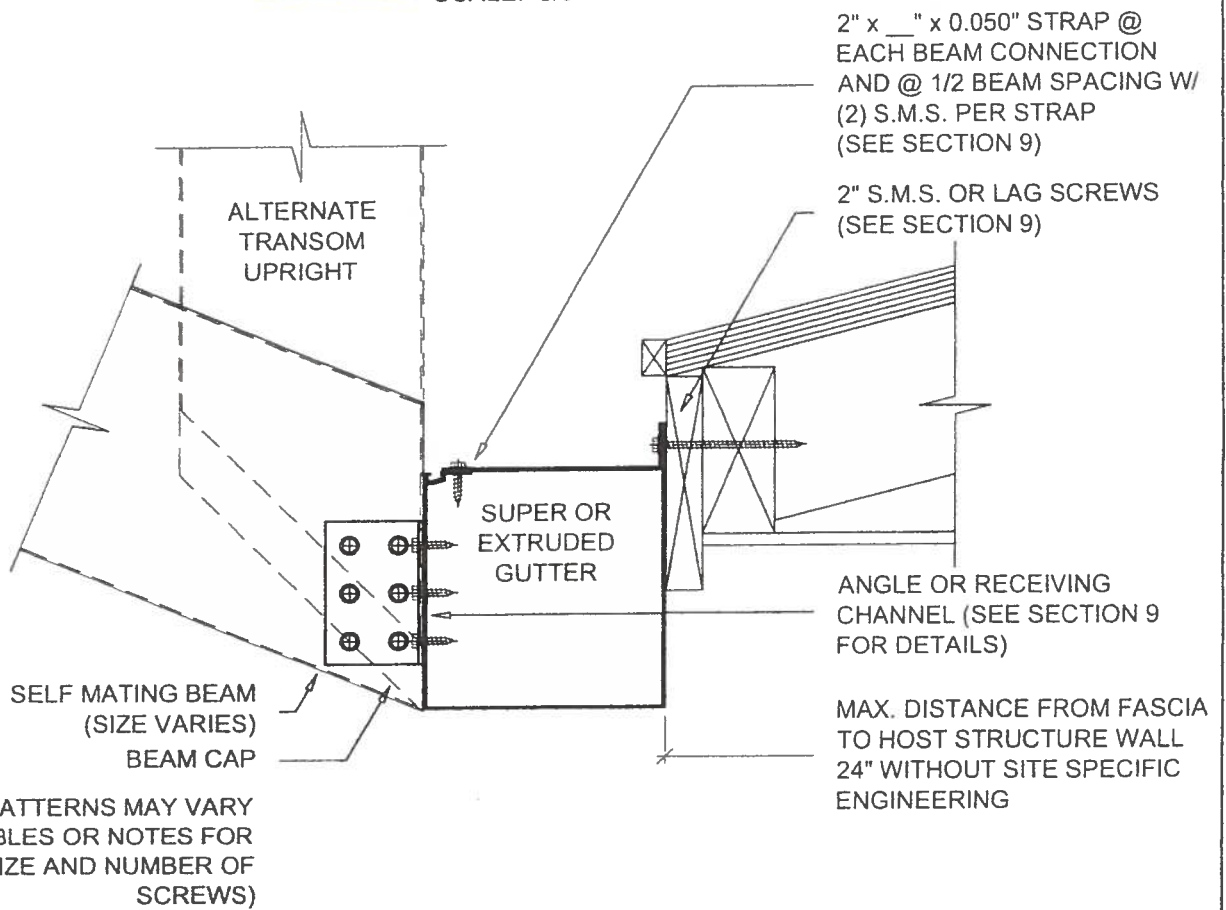
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**STRAP LOCATION FOR SUPER OR EXTRUDED GUTTER REINFORCEMENT**

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



SCREW PATTERNS MAY VARY  
(SEE TABLES OR NOTES FOR  
SIZE AND NUMBER OF  
SCREWS)

**SELF MATING BEAM CONNECTION TO SUPER OR EXTRUDED GUTTER**

SCALE: 3" = 1'-0"

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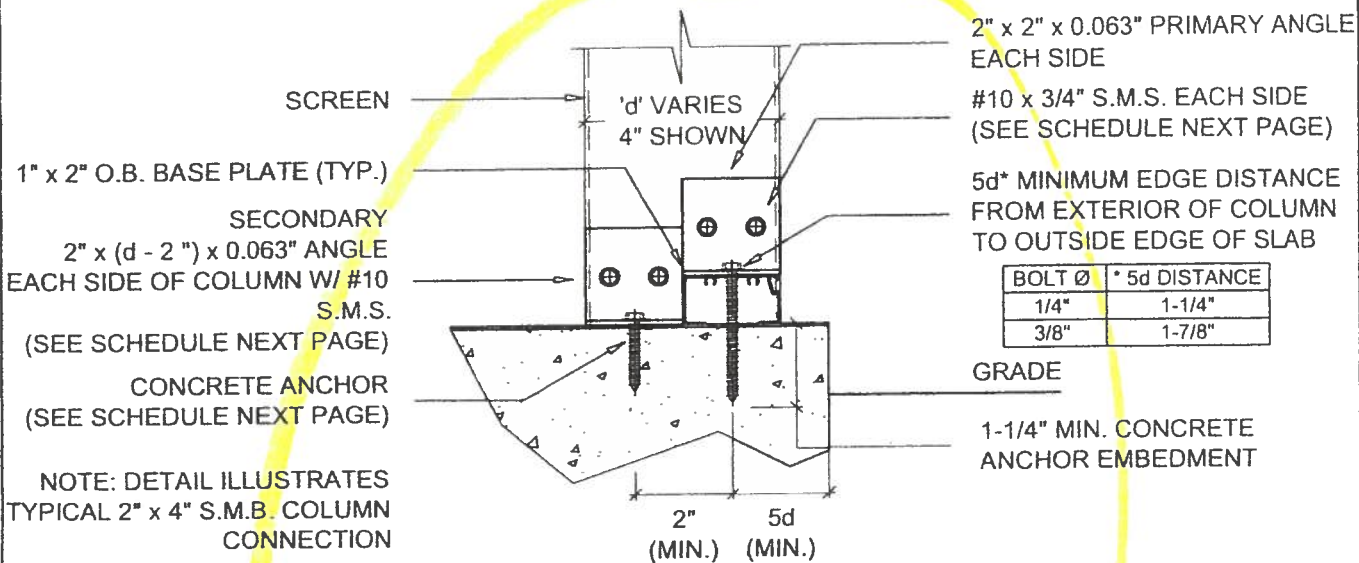
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**SECTION 1**

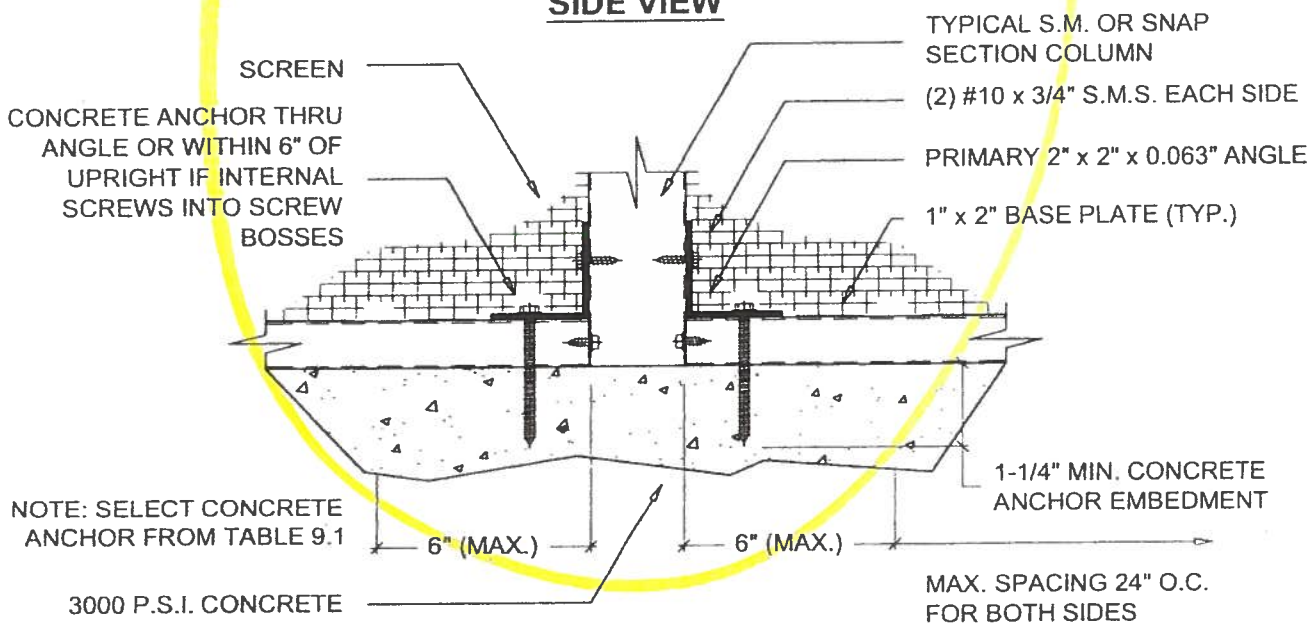
**SCREENED ENCLOSURES**



2" x 2" x 0.063" PRIMARY ANGLE EACH SIDE  
 #10 x 3/4" S.M.S. EACH SIDE (SEE SCHEDULE NEXT PAGE)  
 5d\* MINIMUM EDGE DISTANCE FROM EXTERIOR OF COLUMN TO OUTSIDE EDGE OF SLAB

BOLT Ø	* 5d DISTANCE
1/4"	1-1/4"
3/8"	1-7/8"

**SIDE VIEW**



TYPICAL S.M. OR SNAP SECTION COLUMN  
 (2) #10 x 3/4" S.M.S. EACH SIDE  
 PRIMARY 2" x 2" x 0.063" ANGLE  
 1" x 2" BASE PLATE (TYP.)  
 1-1/4" MIN. CONCRETE ANCHOR EMBEDMENT  
 MAX. SPACING 24" O.C. FOR BOTH SIDES

**FRONT VIEW**

**2" x 4" OR LARGER SELF MATING OR SNAP SECTION POST TO DECK DETAILS**

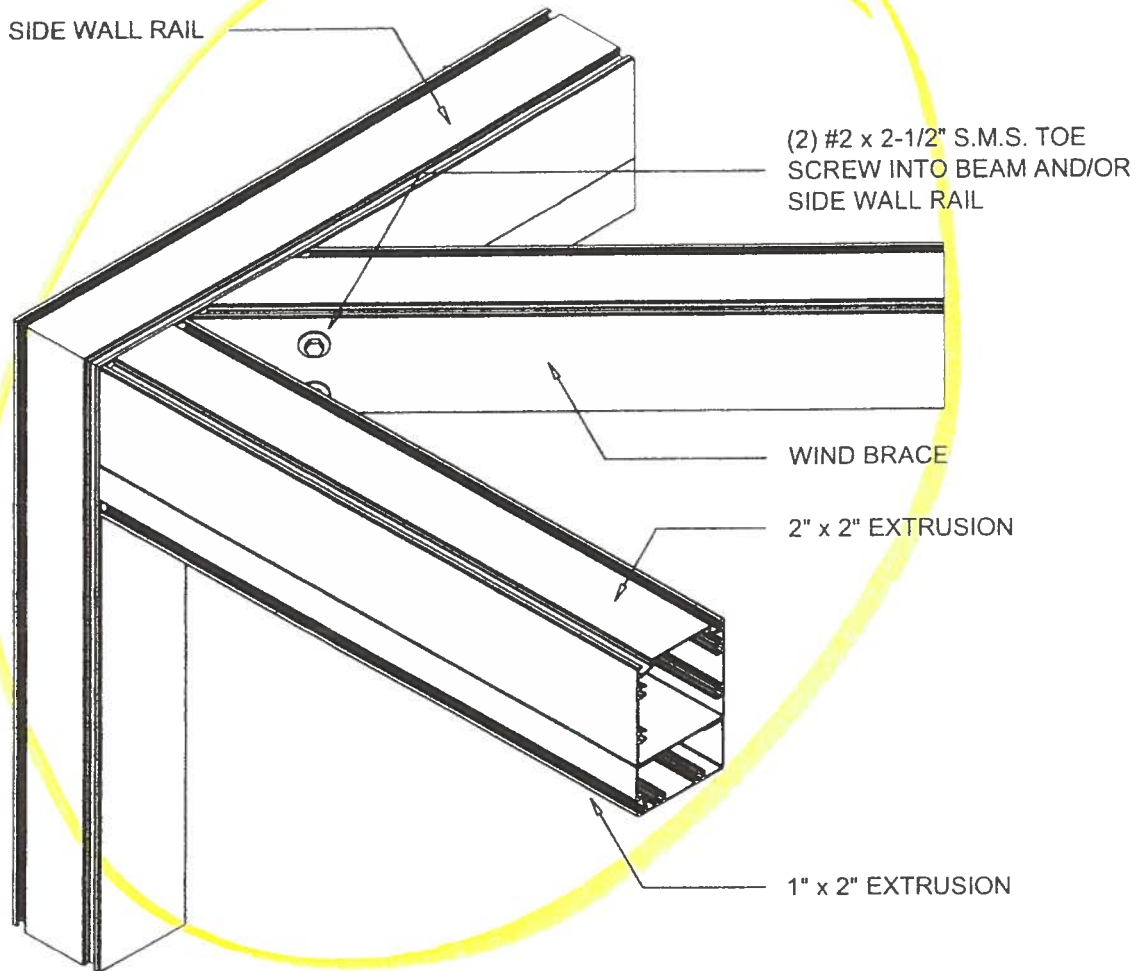
SCALE: 3" = 1'-0"

NOTE: FOR SIDE WALLS OF 2" x 4" OR SMALLER ONLY ONE ANGLE IS REQUIRED.

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SECTION 1

SCREENED ENCLOSURES



**WIND BRACE CONNECTION DETAIL**

SCALE: 3" = 1'-0"

**NOTES:**

- 1. Wind bracing shall be provided at each side wall panel when enclosure projects more than (4) panels from host structure.

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PAGE

1-36

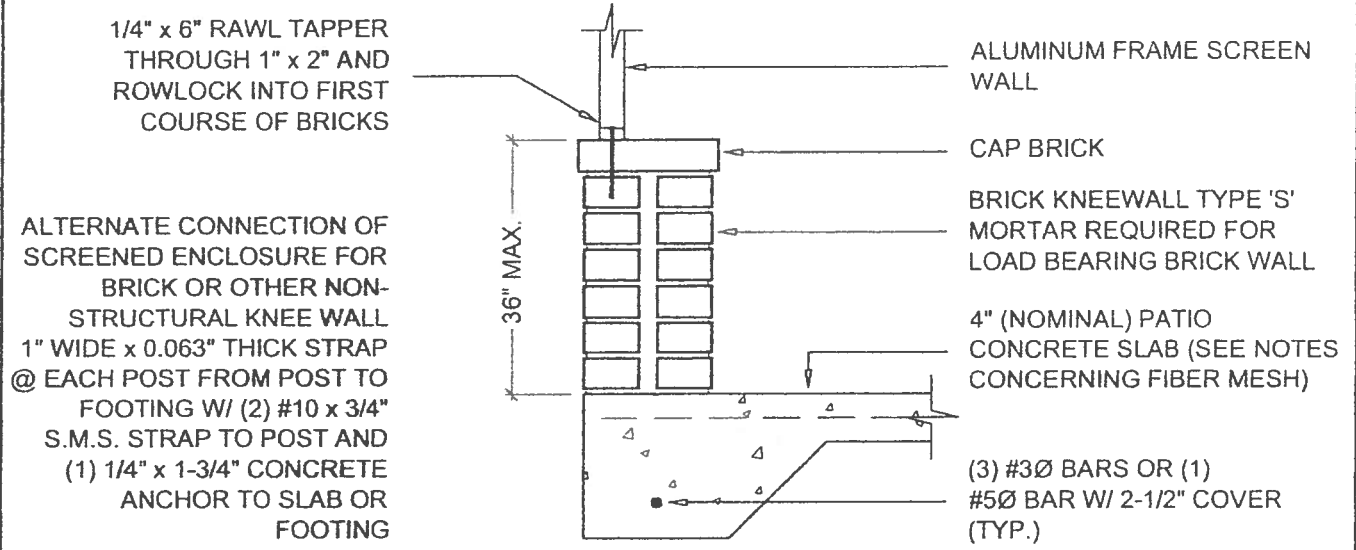
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# SCREENED ENCLOSURES

# SECTION 1



1/4" x 6" RAWL TAPPER THROUGH 1" x 2" AND ROWLOCK 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" CONCRETE ANCHOR TO SLAB OR FOOTING

ALUMINUM FRAME SCREEN WALL

CAP BRICK

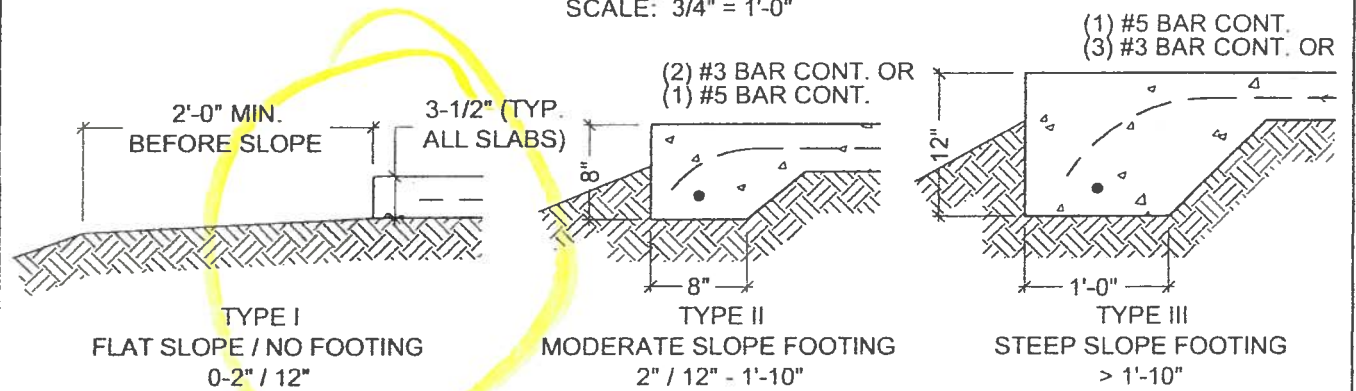
BRICK KNEEWALL TYPE 'S' MORTAR REQUIRED FOR LOAD BEARING BRICK WALL

4" (NOMINAL) PATIO CONCRETE SLAB (SEE NOTES CONCERNING FIBER MESH)

(3) #3Ø BARS OR (1) #5Ø BAR W/ 2-1/2" COVER (TYP.)

## BRICK KNEEWALL AND FOUNDATION FOR SCREEN WALLS

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



**Notes for all foundation types:**

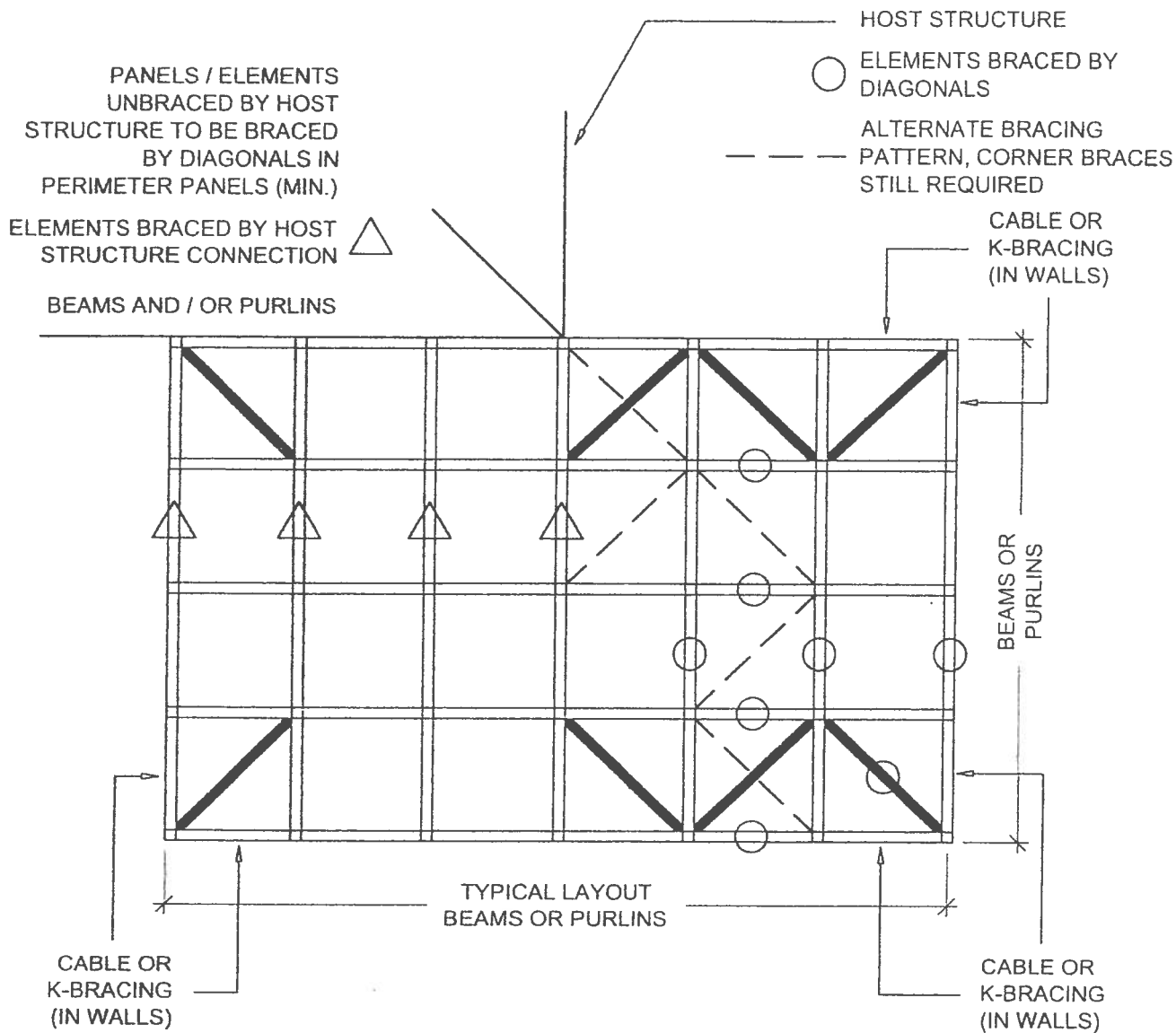
1. No footing required except when addressing erosion until the slab width in the direction of the primary exceeds 32 ft., then a Type II footing is required under the load bearing wall only unless the side wall exceeds 16 ft. in height or the enclosure is in a "C" exposure category in which case a Type II footing is required for all walls.
2. The foundations shown are based on a minimum soil bearing pressure of 1,500 PSF. Bearing capacity of soil shall be verified, using a pocket penetrometer, field soil test, or by a soil testing lab, to be above 1,500 PSF prior to placing the slab.
3. The slab / foundation shall be cleared of debris and roots and compacted prior to placement of concrete.
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 sections required by local code. Local code governs.

## SLAB-FOOTING DETAILS

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

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EACH DIAGONAL TO BE FASTENED EACH END W/ (2) EACH #10 S.M.S. (MIN.)

2 x 2 (MIN) ROOF DIAGONAL, MEET WALL AT WALL BRACING AT CORNERS (TYP.)

(POOL ENCLOSURE SCREEN ROOF MAY BE FLAT, GABLE, MANSARD, DOME, OR HIP)

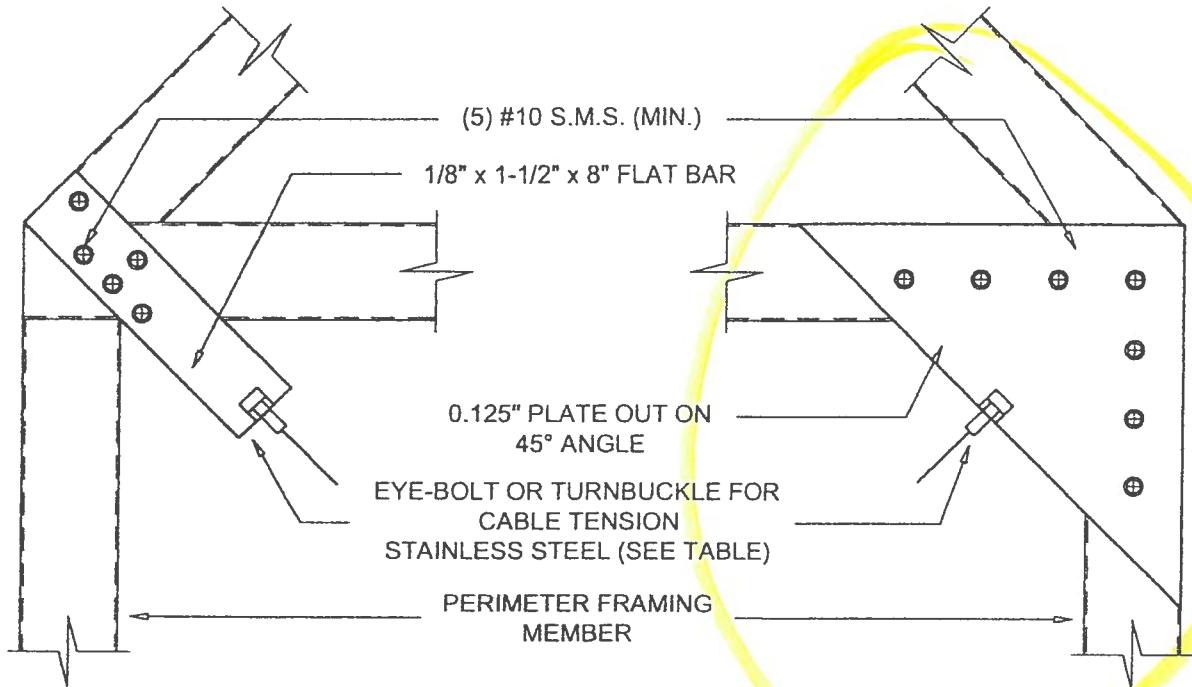
**POOL ENCLOSURE DIAGONAL BRACING - SCHEMATIC PLAN VIEW**

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

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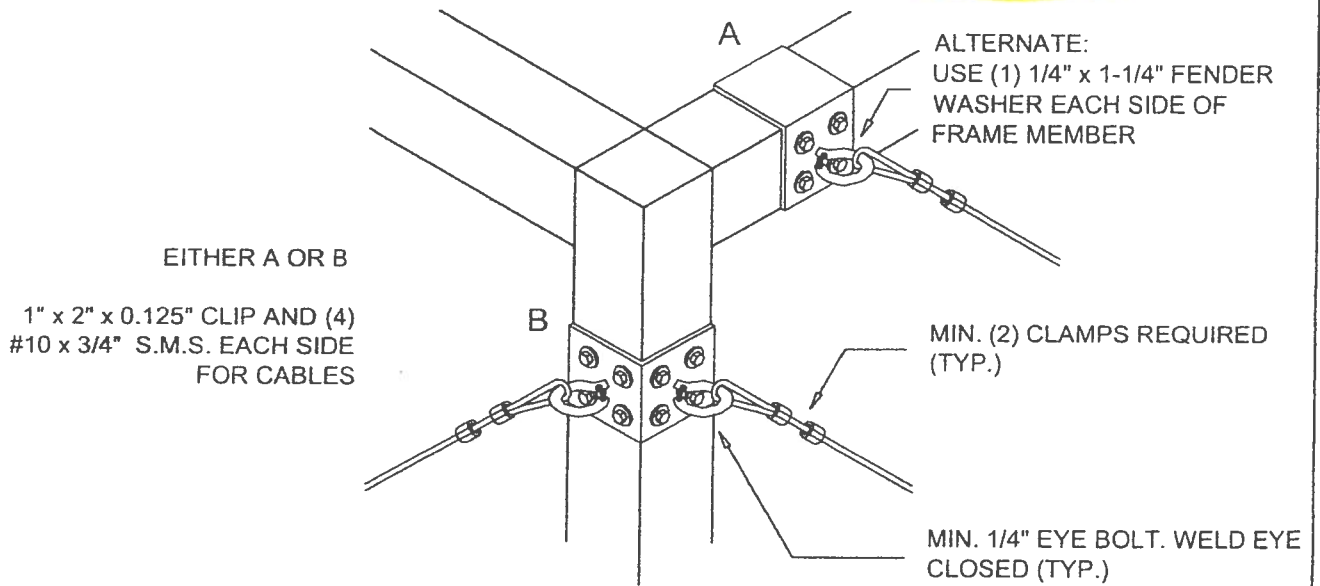
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**TYPICAL CABLE CONNECTIONS AT CORNER - DETAIL 1**

SCALE: 3" = 1'-0"



**ALTERNATE TOP CORNER OF CABLE CONNECTION - DETAIL 1A**

SCALE: 3" = 1'-0"

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

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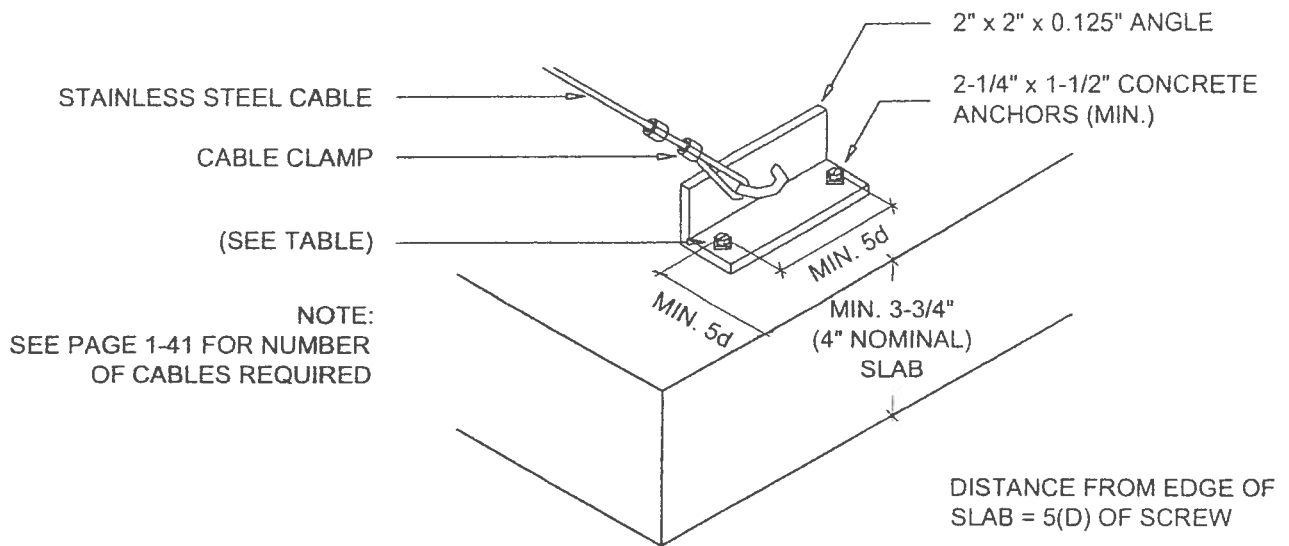
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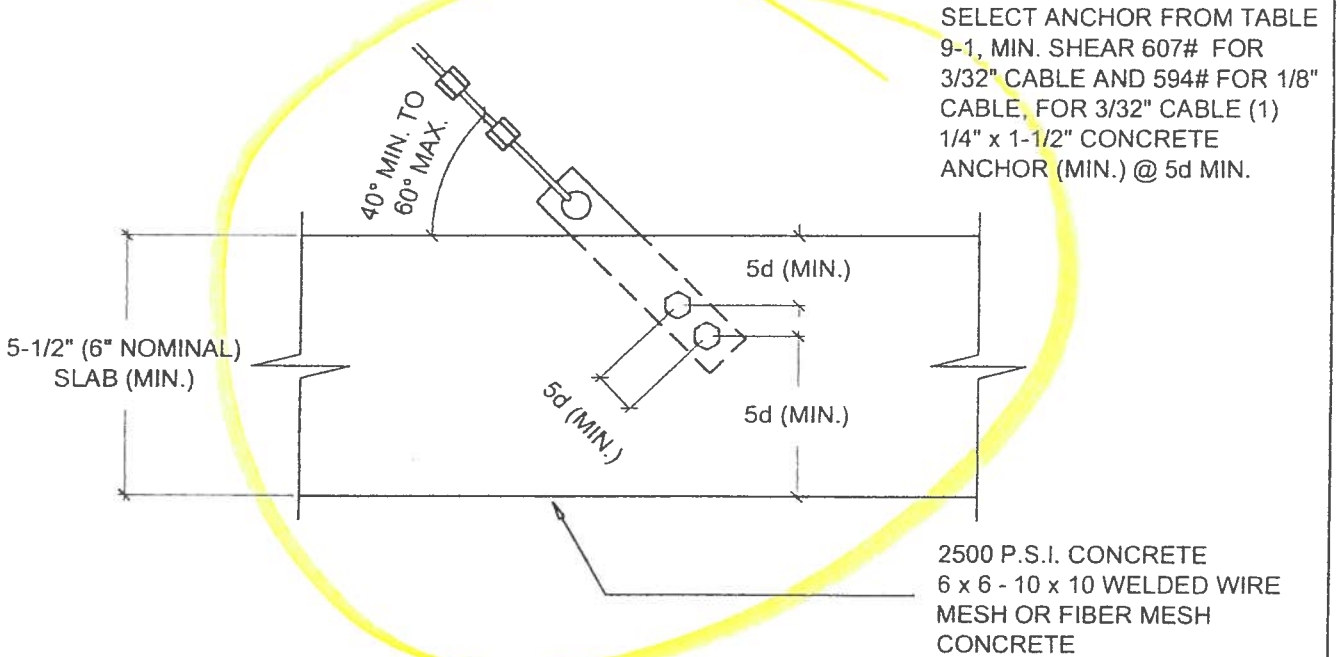
SCREENED ENCLOSURES

SECTION 1



**ALTERNATE CABLE CONNECTION AT SLAB DETAIL - DETAIL 2B**

SCALE: 3" = 1'-0"



**ALTERNATE CABLE CONNECTIONS AT FOUNDATION - DETAIL 2C**

SCALE: 3" = 1'-0"

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FAX: (386) 767-6556

CABLE BRACING**General Notes and Specifications:**

1) The following shall apply to the installation of cables as additional bracing to DIAGONAL bracing for pool enclosures:

a) FRONT WALL CABLES - 7 x 7 OR 7 x 19 STAINLESS STEEL

CABLE DIAMETER	TOTAL ALLOWABLE WALL AREA *
3/32"	233 Sq. Ft. / PAIR OF CABLES
1/8"	445 Sq. Ft. / PAIR OF CABLES

\* TOTAL WALL AREA = 100% OF FRONT WALL + 50% OF ONE SIDE WALL

EXAMPLE: FRONT WALL AREA @ 100% (8' x 32') = 256 Sq. Ft.

SIDE WALL AREA @ 50% (8' x 20') = 80 Sq. Ft.

TOTAL WALL AREA = 336 Sq. Ft.

233 Sq. Ft. x 2 sets = 466 Sq. Ft. > 336 Sq. Ft.; thus two sets of 3/32" cables is required.

b) SIDE WALL CABLES - 7 x 7 OR 7 x 19 STAINLESS STEEL

CABLE DIAMETER	SIDE WALL CABLE **
3/32"	ONE PER 233 Sq. Ft. OF WALL
1/8"	ONE PER 445 Sq. Ft. OF WALL

\*\* SIDE WALL CABLES ARE NOT REQUIRED FOR SIDE WALLS LESS THAN 233 Sq. Ft.

c) To calculate the required pair of cables for free standing pool enclosures use 100 % of each wall area & 50% of the area of one adjacent wall.

**NOTES:**

1. Where wall height is such that a girt is required between the top or eave rail and the chair rail, (i.e. a mid-rise girt), then the front wall shall have two cable pairs and they shall be attached to the top rail and the mid-rise rail. If more than one additional girt is required between the top or eave rail and the chair rail, then there shall be an additional front wall cable pair at that girt also.

2. Side walls do not require cables until the side wall area is greater than 233 Sq. Ft.. The side wall cable may be attached at the mid-rise girt or the top rail.

3. Standard rounding off rules apply. ie: if the number of cables calculated is less than 2.5 pairs use two cables; if the number of cables calculated is 2.5 pairs or greater use 3 pairs of cables.

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

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**SCREENED ENCLOSURES**

**SECTION 1**

**Table 1.6 Minimum Upright Sizes and Number of Screws for Connection of Roof Beams to Wall Uprights or Beam Splicing**

Beam Size	Upright Size	Minimum Purlin, Girt & Knee Brace Size**	Deck Anchors	Notes	Minimum Number of Screws*			Beam Stitching Screw @ 24" O.C.
					#8 x 1/2"	#10 x 1/2"	#12 x 1/2"	
2" x 3"	2" x 3"	2" x 2" x 0.044"	2	Full Lap	6	4	4	-
2" x 4"	2" x 3"	2" x 2" x 0.044"	2	Full Lap	8	6	4	#8
2" x 4"	2" x 4"	2" x 2" x 0.044"	2	Full Lap	8	6	4	#10
2" x 5"	2" x 3"	2" x 2" x 0.044"	2	Full Lap	8	6	4	#8
2" x 6"	2" x 3"	2" x 2" x 0.044"	4	Full Lap	10	8	6	#10
2" x 6"	2" x 4"	2" x 2" x 0.044"	4	Partial Lap	10	8	6	#10
2" x 7"	2" x 4"	2" x 2" x 0.044"	4	Partial Lap	14	12	10	#12
2" x 8"	2" x 5"	2" x 3" x 0.044"	6	Partial Lap	16	14	12	#14
2" x 9"	2" x 6"	2" x 3" x 0.045"	6	Partial Lap	18	16	14	#14
2" x 9***	2" x 7"	2" x 4" x 0.050"	8	Partial Lap	20	18	16	#14
2" x 10"	2" x 8"	2" x 4" x 0.050"	10	Partial Lap	20	18	16	#14

Screw Size	Minimum Distance and Spacing of Screws		Gusset Plate Thickness	
	Edge To Center	Center To Center	Beam Size	Thickness
#8	5/16"	5/8"	2" x 7" x 0.055" x 0.120"	1/16" = 0.063"
#10	3/8"	3/4"	2" x 8" x 0.072" x 0.224"	1/8" = 0.125"
#12	1/2"	1"	2" x 9" x 0.072" x 0.224"	1/8" = 0.125"
#14 or 1/4"	3/4"	1-1/2"	2" x 9" x 0.082" x 0.306"	1/8" = 0.125"
5/16"	7/8"	1-3/4"	2" x 10" x 0.092" x 0.369"	1/4" = 0.25"
3/8"	1"	2"		

\* Refers to each side of the connection of the beam and upright and each side of splice connection.

\*\* 0.082" wall thickness, 0.310" flange thickness

Note:

1. Connection of 2" x 6" to 2" x 3" shall use a full lap cut or 1/16" gusset plate.
2. All gusset plates shall be a minimum of 5052 H-32 Alloy or have a minimum yield strength of 23 ksi.
3. For beam splice connections the number of screws shown is the total for each splice with 1/2 the screws on each side of the cut.
4. The number of screws is based on the maximum allowable moment of the beam.
5. The number of deck anchors is based on RAWL R Tapper allowable load data for 2,500 psi concrete and / or equal anchors may be used. The number shown is the total use 1/2 per side.
6. Hollow splice connections can be made provided the connection is approved by the engineer.
7. If a larger than minimum upright is used the number of screws is the same for each splice with 1/2 the screws on each side of the cut.
8. All beam to upright connections for 2" x 7" beams or larger shall have an internal or external gusset plates. Gusset plates are required for mansard or gable splice connections.
9. For gusset plate connections 2" x 9" beams or larger use 3/4" long screws.
10. The side wall upright shall have a minimum beam size as shown above, i.e., a 2" x 4" upright shall have a 2" x 3" beam.
11. Connect beam to upright w/ H-bar, gusset plate, or angle clips for each splice with 1/2 the screws on each side of the cut.
12. For girt size use upright size (i.e. 2" x 6"). Read the 2" x 6" beam row for min. girt of 2" x 2" x 0.044".

**Table 1.7 Minimum Size Screen Enclosure Knee Braces and Anchoring Required Aluminum 6063 T-6**

Brace Length	Extrusion	Anchoring System
0' - 2'-0"	2" x 2" x 0.044"	2" H-Channel With (3) #10 x 1/2" EACH SIDE
To 3'-0"	2" x 3" x 0.045"	2" H-Channel With (3) #10 x 1/2" EACH SIDE
To 4'-6"	2" x 4" x 0.044" x 0.12"	2" H-Channel With (4) 3/4" long screws (size to be determined by beam size, see table 9.6)

(See Table 1.6 For Number And Size Of Screws)

Note:

1. For required knee braces greater than 4'-6" contact engineer for specifications and details.
2. Cantilever beam detail shown on page 1-32 shall be used for host structure attachment when knee brace length exceeds 4'-6".

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**Table 1.4 Allowable Post / Girt / Chair Rail Spans, Header Spans & Upright Heights for Secondary Screen Wall Frame Members**

Aluminum Alloy 6063 T-6

For 3 second wind gust at velocity of 120 MPH or an applied load of 14 # / sq. ft.\*

**A. Sections As Horizontals Fastened To Posts With Clips**

Hollow Sections	Tributary Load Width 'W'						
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-8"
	Allowable Heights 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	6'-10" d	6'-6" b	6'-1" b	5'-9" b	5'-6" b	5'-3" b	5'-0" b
2" x 2" x 0.055"	7'-3" d	6'-11" d	6'-8" b	6'-4" b	6'-0" b	5'-9" b	5'-6" b
3" x 2" x 0.045"	7'-9" d	7'-5" d	7'-1" d	6'-10" d	6'-7" b	6'-4" b	5'-11" b
2" x 3" x 0.045"	9'-4" b	8'-9" b	8'-3" b	7'-10" b	7'-5" b	7'-2" b	6'-9" b
2" x 4" x 0.050"	10'-3" b	9'-7" b	9'-0" b	8'-7" b	8'-2" b	7'-10" b	7'-5" b

Snap Sections	Allowable Heights 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	7'-6" d	7'-2" d	6'-11" d	6'-8" b	6'-4" b	6'-1" b	5'-9" b

**B. Sections As Horizontals Fastened To Posts Through Side Into Screw Bosses**

Hollow Sections	Tributary Load Width 'W'						
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-8"
	Allowable Heights 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	7'-9" b	7'-3" b	6'-10" b	6'-6" b	6'-2" b	5'-11" b	5'-7" b
2" x 2" x 0.055"	8'-5" b	7'-11" b	7'-5" b	7'-1" b	6'-9" b	6'-5" b	6'-1" b
3" x 2" x 0.045"	9'-3" b	8'-8" b	8'-2" b	7'-9" b	7'-5" b	7'-1" b	6'-8" b
2" x 3" x 0.045"	10'-5" b	9'-9" b	9'-2" b	8'-9" b	8'-4" b	7'-11" b	7'-7" b
2" x 4" x 0.050"	11'-6" b	10'-9" b	10'-1" b	9'-7" b	9'-2" b	8'-9" b	8'-4" b
Snap Sections	Allowable Heights 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	9'-2" b	8'-7" b	8'-1" b	7'-8" b	7'-4" b	7'-0" b	6'-8" b

\* For allowable heights at wind velocities other than 120 MPH, see conversion table 1A on the specifications for tables page at the beginning of this section and example below.

**Notes:**

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
2. Using screen panel width 'W' select girt lengths.
3. Site specific engineering required for pool enclosures over 20' in mean roof height.
4. Span is to be measured from center of beam and upright connection to fascia or wall connection.
5. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height can be considered as residential guardrails provided they are attached with min. (3) #10 x 1-1/2" S.M.S. into the screw bosses and do not exceed 8'-0" in span.
6. Girt spacing shall not exceed 6'-8".
7. Spans may be interpolated.

**IF HEIGHTS FOR 'C' EXPOSURE CATAGORY AND/OR WINDZONES OTHER THAN 120 MPH ARE REQUIRED, SEE EXAMPLE ON SPECIFICATION PAGE FOR TABLES AT THE BEGINNING OF THIS SECTION.**

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**SECTION 1**

**SCREENED ENCLOSURES**

**Table 1.3 Allowable Post / Upright Heights for Primary Screen Wall Frame Members**  
 Aluminum Alloy 6063 T-6  
 For 3 second wind gust at velocity of 120 MPH or an applied load of 14 # / sq. ft.\*

Hollow Sections	Tributary Load Width 'W' = Upright Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Height 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	8'-4" b	7'-3" b	6'-6" b	5'-11" b	5'-6" b	5'-1" b	4'-10" b
2" x 2" x 0.055"	9'-1" b	7'-11" b	7'-1" b	6'-5" b	5'-11" b	5'-7" b	5'-3" b
2" x 3" x 0.045"	11'-3" b	9'-9" b	8'-9" b	7'-11" b	7'-5" b	6'-11" b	6'-6" b
2" x 4" x 0.050"	12'-5" b	10'-9" b	9'-7" b	8'-9" b	8'-1" b	7'-7" b	7'-2" b

Self Mating Sections	Tributary Load Width 'W' = Upright Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Height 'H' / bending 'b' or deflection 'd'						
2" x 4" x 0.044 x 0.100"	16'-11" b	14'-8" b	13'-1" b	11'-11" b	11'-1" b	10'-4" b	9'-9" b
2" x 5" x 0.050" x 0.100"	20'-11" b	18'-1" b	16'-2" b	14'-9" b	13'-8" b	12'-10" b	12'-1" b
2" x 6" x 0.050" x 0.120"	24'-2" b	20'-11" b	18'-9" b	17'-1" b	15'-10" b	14'-10" b	13'-11" b
2" x 7" x 0.055" x 0.120"	27'-3" b	23'-7" b	21'-1" b	19'-3" b	17'-10" b	16'-8" b	15'-9" b
2" x 7" x 0.055" w/ insert	36'-3" b	31'-4" b	28'-1" b	25'-7" b	23'-9" b	22'-2" b	20'-11" b
2" x 8" x 0.072" x 0.224"	35'-2" b	30'-6" b	27'-3" b	24'-10" b	23'-0" b	21'-6" b	20'-4" b
2" x 9" x 0.072" x 0.224"	38'-2" b	33'-0" b	29'-6" b	26'-11" b	24'-11" b	23'-4" b	22'-0" b
2" x 9" x 0.082" x 0.310"	41'-10" b	36'-3" b	32'-5" b	29'-7" b	27'-5" b	25'-8" b	24'-2" b
2" x 10" x 0.092" x 0.369"	50'-4" b	43'-7" b	38'-11" b	35'-7" b	32'-11" b	30'-10" b	29'-1" b

Snap Sections	Tributary Load Width 'W'= Upright Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Height 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	9'-11" b	8'-7" b	7'-8" b	7'-0" b	6'-6" b	6'-1" b	5'-9" b
2" x 3" x 0.045"	12'-9" b	11'-0" b	9'-10" b	9'-0" b	8'-4" b	7'-10" b	7'-4" b
2" x 4" x 0.045"	15'-7" b	13'-6" b	12'-1" b	11'-0" b	10'-2" b	9'-7" b	8'-11" b
2" x 6" x 0.062"	26'-5" b	22'-10" b	20'-5" b	18'-8" b	17'-3" b	16'-2" b	15'-3" b
2" x 7" x 0.062"	29'-5" b	25'-5" b	22'-9" b	20'-9" b	19'-3" b	17'-11" b	16'-11" b

\* For allowable heights at wind velocities other than 120 MPH, see conversion table 1A on the specification page for tables at the beginning of this section and example below.

Note:

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
2. Using screen panel width 'W' select upright length 'H'.
3. Above heights 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.
4. Site specific engineering required for pool enclosures over 20' in mean roof height.
5. Height is to be measured from center of beam and upright connection to fascia or wall connection.
6. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height can be considered as residential guardrails provided they are attached with min. (3) #10 x 1-1/2" S.M.S. into the screw bosses and do not exceed 8'-0" in span.
7. Heights may be interpolated.

**CHECK TABLE 1.6 FOR MINIMUM UPRIGHT SIZE FOR BEAMS.**

**IF SPANS FOR 'C' EXPOSURE CATAGORY AND/OR WINDZONES OTHER THAN 120 MPH ARE REQUIRED, SEE EXAMPLE ON SPECIFICATION PAGE FOR TABLES AT THE BEGINNING OF THIS SECTION.**

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## SECTION 1

## SCREENED ENCLOSURES

**Table 1.1 Allowable Spans for Primary Screen Roof Frame Members**  
Aluminum Alloy 6063 T-6

For Areas with Wind Loads up to 150 M.P.H. and Latitudes Below 30°-30'-00" North (Jacksonville, FL)

Hollow Sections	Tributary Load Width 'W' = Beam Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Span 'L' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	9'-10" b	8'-7" b	7'-8" b	6'-11" b	6'-6" b	6'-1" b	5'-8" b
2" x 2" x 0.055"	10'-9" b	9'-4" b	8'-4" b	7'-7" b	7'-1" b	6'-7" b	6'-3" b
2" x 3" x 0.045"	13'-4" b	11'-7" b	10'-4" b	9'-5" b	8'-9" b	8'-2" b	7'-8" b
2" x 4" x 0.050"	14'-8" b	12'-8" b	11'-4" b	10'-4" b	9'-7" b	8'-11" b	8'-5" b

Self Mating Sections	Tributary Load Width 'W' = Beam Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Span 'L' / bending 'b' or deflection 'd'						
2" x 4" x 0.044 x 0.100"	19'-11" b	17'-4" b	15'-6" b	14'-2" b	13'-1" b	12'-3" b	11'-6" b
2" x 5" x 0.050" x 0.100"	24'-9" b	21'-5" b	19'-2" b	17'-6" b	16'-2" b	15'-2" b	14'-3" b
2" x 6" x 0.050" x 0.120"	28'-7" b	24'-9" b	22'-2" b	20'-3" b	18'-9" b	17'-6" b	16'-6" b
2" x 7" x 0.055" x 0.120"	32'-3" b	27'-11" b	24'-11" b	22'-9" b	21'-1" b	19'-9" b	18'-7" b
2" x 7" x 0.055" w/ insert	42'-10" b	37'-1" b	33'-2" b	30'-4" b	28'-1" b	26'-3" b	24'-9" b
2" x 8" x 0.072" x 0.224"	41'-7" b	36'-1" b	32'-3" b	29'-5" b	27'-3" b	25'-6" b	24'-0" b
2" x 9" x 0.072" x 0.224"	45'-1" b	39'-1" b	34'-11" b	31'-11" b	29'-6" b	27'-8" b	26'-1" b
2" x 9" x 0.082" x 0.310"	49'-6" b	42'-11" b	38'-4" b	35'-0" b	32'-5" b	30'-4" b	28'-7" b
2" x 10" x 0.092" x 0.369"	59'-6" b	51'-7" b	46'-1" b	42'-1" b	38'-11" b	36'-5" b	34'-4" b

Snap Sections	Tributary Load Width 'W' = Beam Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Span 'L' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	11'-9" b	10'-2" b	9'-1" b	8'-4" b	7'-8" b	7'-2" b	6'-9" b
2" x 3" x 0.045"	15'-1" b	13'-1" b	11'-8" b	10'-8" b	9'-10" b	9'-3" b	8'-8" b
2" x 4" x 0.045"	18'-5" b	15'-11" b	14'-3" b	13'-0" b	12'-1" b	11'-3" b	10'-8" b
2" x 6" x 0.062"	31'-3" b	27'-1" b	24'-2" b	22'-1" b	20'-5" b	19'-2" b	18'-0" b
2" x 7" x 0.062"	34'-9" b	30'-1" b	26'-11" b	24'-7" b	22'-9" b	21'-3" b	20'-1" b

**Note:**

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
2. The structures designed using this section shall be limited to a maximum combined span and upright height of 55' and a maximum upright height of 20'. Structures larger than these limits shall have site specific engineering.
3. Spans are based on a minimum of 10# / Sq. Ft. for up to a 150 M.P.H. wind load.
4. Span is measured from center of beam and upright connection to fascia or wall connection.
5. 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.
6. Purlin spacing shall not exceed 6'- 8" . For beam spans greater than 40'-0" the beam at the center purlin and one purlin for each 14'-0" on each side of the center purlin shall include lateral bracing as shown in detail (48'-0") span with purlins at 6'- 8" o.c. center purlin and (2) purlins each side of center purlin need lateral bracing.
7. Spans may be interpolated.

Example: Max. 'L' for 2" x 4" x 0.050" hollow section with 'W' = 5'-0" = 11'-4"

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25095

### Notice of treatment

*No/No Policy Guarantee*

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**

Address: 5365 Bona Ave

City LA Phone 782-1703

Site Location: Subdivision \_\_\_\_\_

Lot # \_\_\_\_\_ Block# \_\_\_\_\_ Permit # N.D.S

Address 328 SW Green Ridge

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
<input type="checkbox"/> Premise	Imidacloprid	0.1%
<input type="checkbox"/> Termidor	Fipronil	0.12%
<input type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment:  Soil  Wood

<u>Area Treated</u>	<u>Square feet</u>	<u>Linear feet</u>	<u>Gallons Applied</u>
<u>Perimeter around</u>	<u>655</u>	<u>82</u>	<u>50</u>
_____	_____	_____	_____
_____	_____	_____	_____

*Perimeter around*

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line IDP.

8/3/06 • 0830 F254 GUNNY  
 Date Time Print Technician's Name

Remarks: No Policy for Guarantee

Applicator - White Permit File - Canary Permit Holder - Pink

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 18-45-17-08477-107HX

1. Description of property: (legal description of the property and street address or 911 address)  
Comm SE cor of Sec, Run N 1417.87 ft W 577 ft N 988.50 ft  
W 593.86 ft for POB, W 183.85 ft, N 210.33 ft, E 183.85 ft, S 210.33  
ft to POB (AKA Lot 7 Greenridge Estates North S/D
2. General description of improvement: Screen Pool Enclosure
3. Owner Name & Address Timothy Race 328 SW Greenridge Lane  
Lake City, FL 32025 Interest in Property \_\_\_\_\_
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 \_\_\_\_\_ Inst: 2006022763 Date: 09/25/2006 Time: 10:27  
Amount of Bond 1.4 DC, P. DeWitt Cason, Columbia County B: 1096 P: 2583
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 Llenor'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.

  
\_\_\_\_\_  
Signature of Owner

Sworn to (or affirmed) and subscribed before  
day of Sept 13, 2006

NOTARY STAMP  **Nadean G.S. McIntosh**  
Commission # DD371494  
Expires November 14, 2008  
Bonded Troy Fahn - Insurance, Inc. 800-385-7019

  
\_\_\_\_\_  
Signature of Notary