

DATE03/01/2007

Columbia County Building Permit

PERMIT000025582

This Permit Expires One Year From the Date of Issue

APPLICANTBOB MCINTOSH

PHONE758-7522

ADDRESS289NW CORINTH DR

LAKE CITYFL32055

OWNERARTHUR & MEREDITH BENT

PHONE719-4956

ADDRESS359SW ARCHIE GLEN

LAKE CITYFL32055

CONTRACTORMICHAEL DELAHOZ

PHONE754-8678

LOCATION OF PROPERTY90W, TL ON KOONSVILLE RD, TL ON ARCHIE GLEN, CHAIN LINK

FENCE ON LEFT

TYPE DEVELOPMENTPOOL ENCLOSURE

ESTIMATED COST OF CONSTRUCTION7000.00

HEATED FLOOR AREATOTAL AREA

HEIGHTSTORIES

FOUNDATIONWALLS

ROOF PITCHFLOOR

LAND USE & ZONINGA-3

MAX. HEIGHT

Minimum Set Back Requirments:STREET-FRONT30.00

REAR25.00SIDE25.00

NO. EX.D.U.0

FLOOD ZONENA

DEVELOPMENT PERMIT NO.

PARCEL ID26-3S-15-00270-105

SUBDIVISIONCEDAR HILLS

LOT5BLOCK

PHASEUNIT

TOTAL ACRES

SCC056689

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTINGX07-096

BKJH

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: NOC ON FILE

Check # or Cash3316

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

Under slab rough-in plumbing

Slab

Sheathing/Nailing

Framing

Rough-in plumbing above slab and below wood floor

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

Permanent power

C.O. Final

Culvert

M/H tie downs, blocking, electricity and plumbing

Pool

Reconnection

Pump pole

Utility Pole

M/H Pole

Travel Trailer

Re-roof

BUILDING PERMIT FEE \$35.00

CERTIFICATION FEE \$0.00

SURCHARGE FEE \$0.00

MISC. FEES \$0.00

ZONING CERT. FEE \$50.00

FIRE FEE \$0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$

CULVERT FEE \$

TOTAL FEE85.00

INSPECTORS OFFICE

CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Bent

272 1/2

34 94 34 94 34 94 34 94

1-1	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8
1-2	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8
1-3	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8
1-4	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8

7'83"

(SOLIO)

B-8	86 1/2	34
B-7	86 1/2	34
B-6	86 1/2	34
B-5	86 1/2	34
B-4	86 1/2	34
B-3	86 1/2	34
B-2	86 1/2	34
B-1	86 1/2	34

(SOLIO)

7'83"

7'83"

R-1	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8
R-2	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8
R-3	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8
R-4	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8	12' / 62 5/8

33 1/4 32 7/8 32 7/8 32 7/8 32 7/8

272 1/2

(SOLIO)

F-1	86 1/2	34
F-2	86 1/2	34
F-3	86 1/2	34
F-4	86 1/2	34
F-5	86 1/2	34
F-6	86 1/2	34
F-7	86 1/2	34
F-8	86 1/2	34

(SOLIO)

34 94 34 94 34 94 34 94 34 94 34 94 34 94

710 1/4

711

Columbia County Building Permit Application

For Office Use Only Application # 0702-69 Date Received 2/26 By JW Permit # 25582
 Application Approved by - Zoning Official OK Date 2/28/07 Plans Examiner OK Date 2-28-07
 Flood Zone N/A Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments _____

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

Fax 386-755-1751

Name Authorized Person Signing Permit Nadean McIntosh Phone 386-754-8678

Address 289 NW Corinth Dr Lake City Lake City FL 32055

Owners Name Bent, Arthur & Meredith Phone _____

911 Address 359 SW Archie Glen Lake City FL 32024

Contractors Name Michael A DelaHoz Phone 386-754-8678

Address 927 Hickory St Altamonte Springs, FL 32701

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address _____

Mortgage Lenders Name & Address N/A

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

Property ID Number 26-35-15-00270-105 Estimated Cost of Construction 7000.00

Subdivision Name Cedar Hills S/D Lot 5 Block _____ Unit _____ Phase _____

Driving Directions Go West to left on Moonville Rd, left on Archie Glen, Chainlink fence on left

Type of Construction Pool Enclosure Number of Existing Dwellings on Property 1

Total Acreage 1 Lot Size 91x160 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 410 Side 220 Side 25' Rear 125

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.

Nadean McIntosh
 Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 18 day of Jan 2007

Personally known ☒ or Produced Identification _____

Michael A DelaHoz
 Contractor Signature
 Contractors License Number 22056689
 Competency Card Number _____

NOTARY STAMP/SEAL

Nadean G.S. McIntosh
 Notary Signature

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

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 26-35-15-00000-105

1. Description of property: (legal description of the property and street address or 911 address)

lot 5 Cedar Hills s/d
359 SW Archie Glen Lake City, FL 32024

2. General description of improvement: Pool Enclosure

3. Owner Name & Address Bent, Arthur + Meredith

359 SW Archie Glen 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 Delatoya

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:2007004521 Date:02/26/2007 Time:10:02

DC,P.Dewitt Cason,Columbia County B:1111 P:2240

7. Lender Name n/a

Phone Number

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 Florida Pool Enclosures, Inc of 289 NW Corinth Dr LC 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.

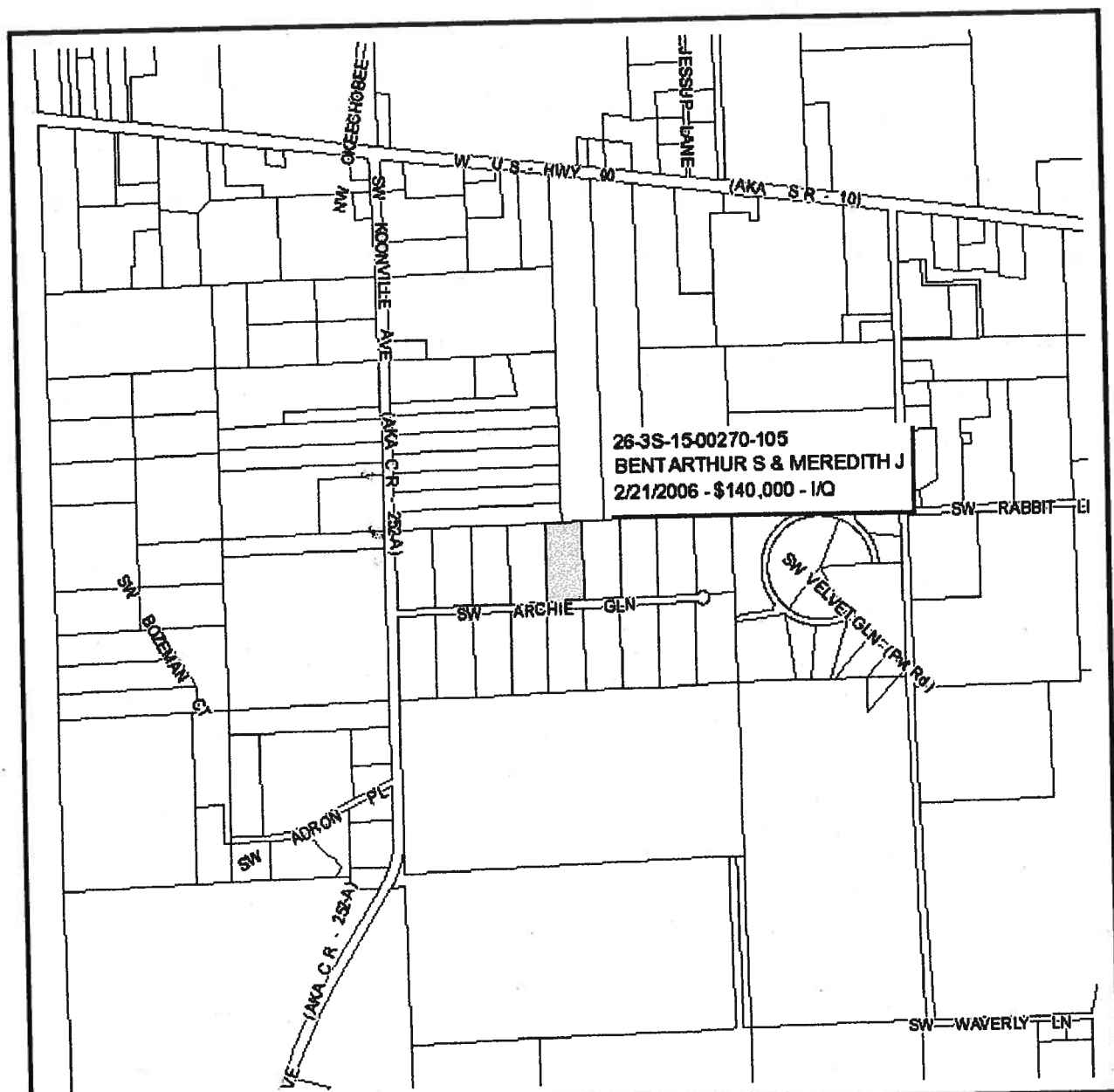
[Signature]
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of 22 Feb, 2007

NOTARY STAMP/SEAL

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

[Signature]
Signature of Notary



26-3S-15-00270-105
BENT ARTHUR S & MEREDITH J
2/21/2006 - \$140,000 - 1/Q

Columbia County Property Appraiser

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

PARCEL: 26-3S-15-00270-105 - MOBILE HOM (000200)

Name:	BENT ARTHUR S & MEREDITH J	LandVal	\$42,000.00
Site:	ARCHIE	BldgVal	\$71,988.00
Mail:	359 SW ARCHIE GLN	ApprVal	\$130,634.00
	LAKE CITY, FL 32024	JustVal	\$130,634.00
Sales	2/21/2006 \$140,000.00 1/Q	Assd	\$130,634.00
Info	9/15/2005 \$100.00V / U	Exmpt	\$0.00
	9/18/1998 \$18,900.00V / Q	Taxable	\$130,634.00

0 0.1 0.2 0.3 mi



This information, GIS Map Updated: 12/29/2008, 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.

DO KIM & ASSOCIATES, LLC
CONSULTING STRUCTURAL ENGINEERS

January 30, 2007

RE: Extension Request for Master Set Screen Enclosure Plans for Florida Pool Enclosures, Inc.

Dear Building Official:

I respectfully request that you extend the Master Set Filing until July 31, 2007 or until notified otherwise with your building department.

As you are aware, the Florida Board of Professional Engineers (FBPE) is currently reviewing the practice of Master set filing of aluminum structures. Their current position is that the use of master set filing of aluminum structures is still valid. The FBPE is continuing to look into this matter and a potentially new practice rule governing the design of aluminum structures is currently undergoing rule making. Sometime in 2007, the FBPE should provide better guidelines as to the continuing use of master set filing. Therefore, I request that these plans already filed for use as a master set plan for Florida Pool Enclosures, Inc. be valid until July 31, 2007, or until otherwise notified. Thank you again for your assistance.

If you or any member of your staff has any questions, please feel free to contact me.

Sincerely,



Do Kim, P.E. (FL #49497)

FILE COPY

Community Affairs



COMMUNITY PLANNING
HOUSING & COMMUNITY
DEVELOPMENT

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ADJUSTMENT

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Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#)

Search Criteria

			Refine Search
Code Version	2004	FL#	7350
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL7350	New	Pool Enclosure Collective, LLC	L.F. Schmidt, P.E.	Approved
		Category: Structural Components	(813) 926-6537	
		Subcategory: Products Introduced as a Result of New Technology		

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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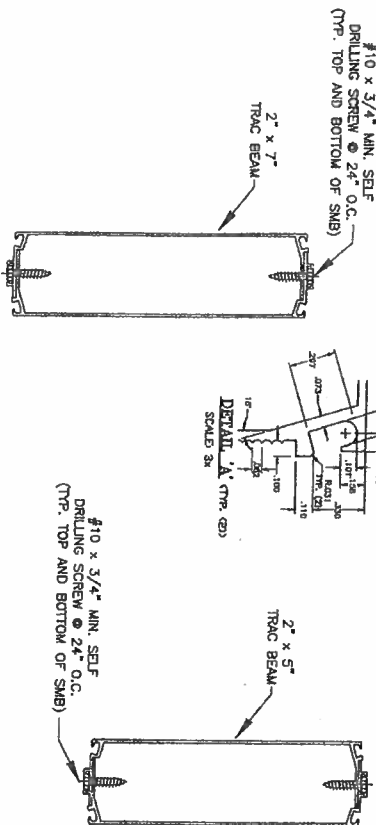
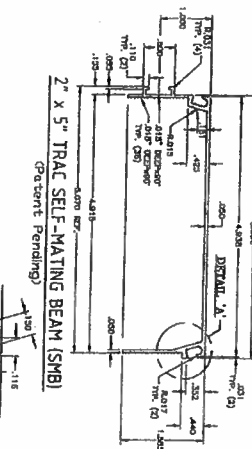
Product Approval Accepts:



STAR

Florida Building Code Online

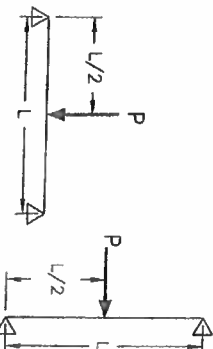
P.O. BOX 10039, TAMPA, FL 33679
PH. (813)857-9955



1. ALUMINUM ALLOY SHALL BE 6005-T5.
2. REFERENCE TEST REPORT TEL #06-0803-1.
3. ALUMINUM EXTRUSION SHALL CONFORM TO ASTM B-209.
4. SAFETY FACTORS HAVE BEEN DEVELOPED IN ACCORDANCE TO THE 2005 ALUMINUM DESIGN
5. MAKE THE SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES SECTION 9.3.2 AND CONFORMS
6. TESTING HAS BEEN CONDUCTED IN ACCORDANCE WITH ASTM E529-04; STANDARD GUIDE FOR CONDUCTING FATIGUE TESTS ON BEAMS AND GRIDERS FOR BUILDING CONSTRUCTION. SEE REFERENCED TEST REPORT IN NOTE 2.
7. THE DESIGNER SHALL DETERMINE BY ACCEPTED ENGINEERING PRACTICE THE ALLOWABLE LOADS FOR THE
8. SITE SPECIFIC LOAD CONDITIONS (INCLUDING LOAD COMBINATIONS) USING THE DATA FROM THE ALLOWABLE LOADS TABLE IN THIS APPROVAL
9. DEFLECTION VALUES TABULATED IN THIS DRAWING ARE FROM LOAD-DEFLECTION DIAGRAM OF TESTED SPECIMENS.
10. THE DESIGNER SHALL CONSIDER LOAD DEFLECTION LIMITS BASED ON SITE SPECIFIC LOAD CONDITIONS.
11. THE DESIGNER SHALL CONSIDER ALL OTHER APPLICABLE STRUCTURAL ELEMENTS SUCH AS FOUNDATION-SUPPORT, FASTENER LOADS, CONNECTION STRESSES, MOMENT CAPACITY, ETC.
12. FASTENER FOR SITTING BEAMS SHALL BE POOL ENCLOSURE COLLECTIVE, LLC'S TRAC BEAM SCREW WITH MIN. PROPERTIES EQUAL TO C-1002 LOW-CARBON STEEL WITH YIELD STRENGTH OF 58 KSI MIN. WITH ADEQUATE CORROSION PROTECTION COATING AS SPECIFIED BY THE DESIGNER.

2x5 TRAC SELF-MATING BEAM		TEST SPECIMEN DEFLECTION AT ALLOWABLE LOAD (inches)	
Pattern Pending			
L-SPAN (feet)	ALLOWABLE LOAD-P (lbs)		
10	1037.0	0.68"	
11	970.5	/ / / / / / / / / / / / / / / /	
12	903.9		
13	837.4		
13.67	792.8	1.49"	
14	781.9	/ / / / / / / / / / / / / / / /	
15	748.7		
16	715.6		
17	682.4	/ / / / / / / / / / / / / / / /	
18	649.3		
19	616.2		
20	583.0	/ / / / / / / / / / / / / / / /	
21	549.9		
22	516.7		
23	483.6	/ / / / / / / / / / / / / / / /	
24	450.4		
25	417.3		
		4.31"	

2x7 TRAC SELF-MATING BEAM		
(Patent Pending)		
L-SPAN (feet)	ALLOWABLE LOAD-P (kips)	TEST SPECIMEN DEFL. AT ALLOW. LOAD P (inches)
10	1390.9	0.41"
11	1332.9	
12	1274.9	
13	1216.9	
14	1158.9	
15	1100.9	
16	1042.9	
17	984.9	
18	927.0	
19	869.0	
20	811.0	
21	753.0	
22	695.0	
23	637.0	
24	579.0	
25	521.1	
26	511.6	
27	502.1	
28	492.6	
29	483.1	
30	473.6	
31	464.1	
32	454.6	
33	445.2	
34	435.7	
35	426.2	
36	416.7	
37	407.2	
38	397.7	
39	388.2	
40	378.7	
		6.15"

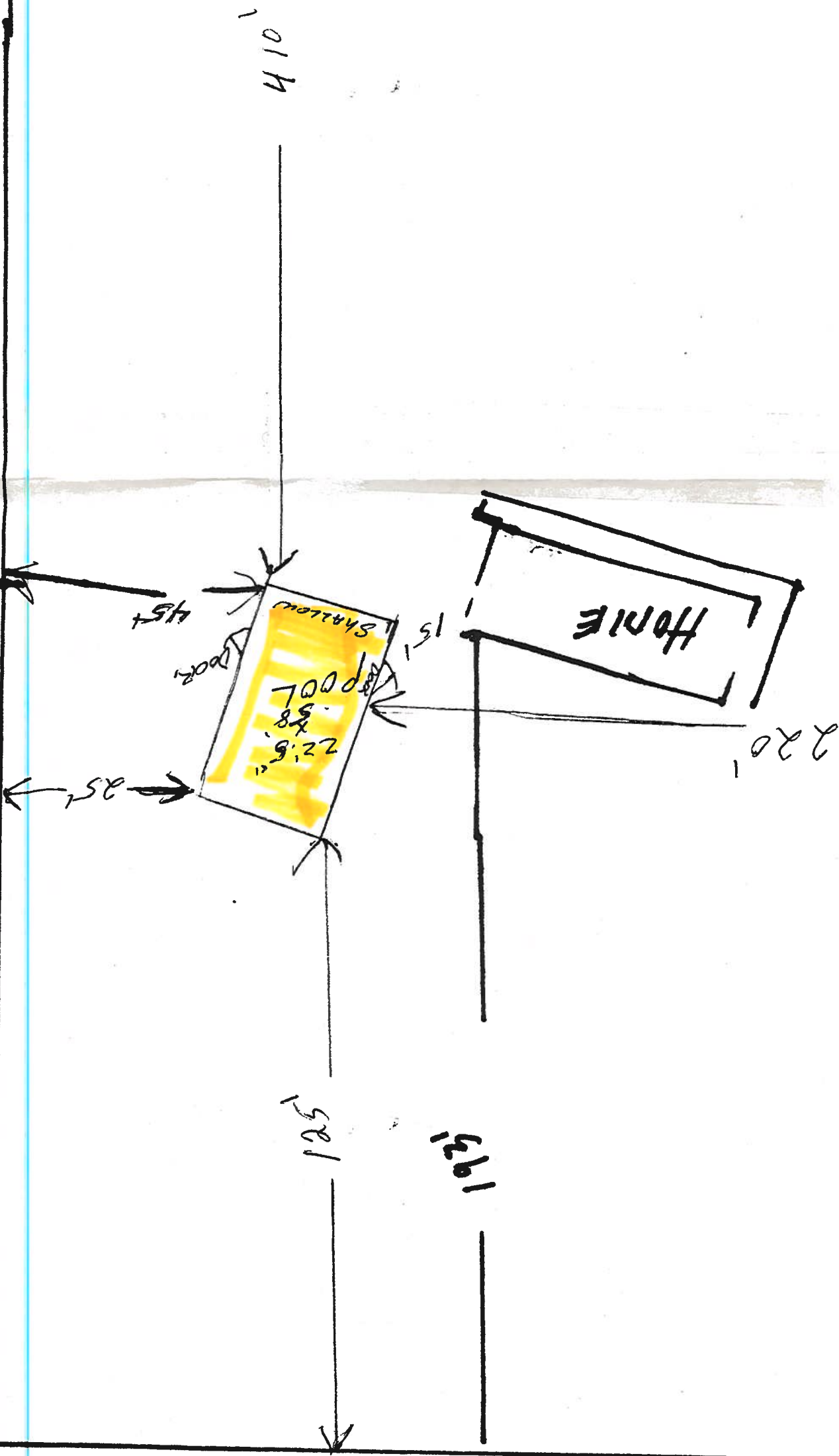


SHEET	1	OF	1	DATE 08-04-06	SCALE	N.T.S.	DRAWN BY	J.E.M.	CHK. BY	W.W.H.	DRAWING NO.	FL-1114	PRODUCT: 2x5 TRAC SELF-MATING BEAM 2x7 TRAC SELF-MATING BEAM	PART OR ASSEMBLY: SCREEN ENCLOSURE COMPONENT	Documents Prepared By: RW BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.859.9197 Florida Board of Professional Engineers Certificate of Authorization No. 9813 Wendall W. Hendon P.E. No. 54158
1 08/11/06 REVISED LOAD CHART NO. DATE REVISIONS WWH BY															

STRIPES

ON POOL

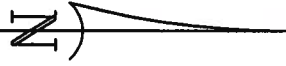
Arthur & Meredith Bent
359 S.W. Archie Glen
Lake City, FL 32024



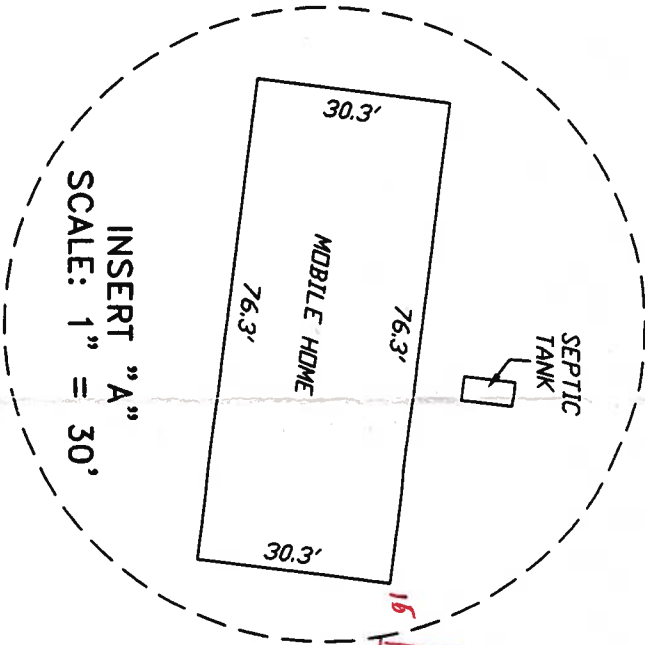
BOUNDARY SURVEY IN SECTION 26, TOWNSHIP 3 SOUTH,
RANGE 15 EAST, COLUMBIA COUNTY, FLORIDA.

S Y M B O L L E G E N D

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



SCALE: 1" = 100'



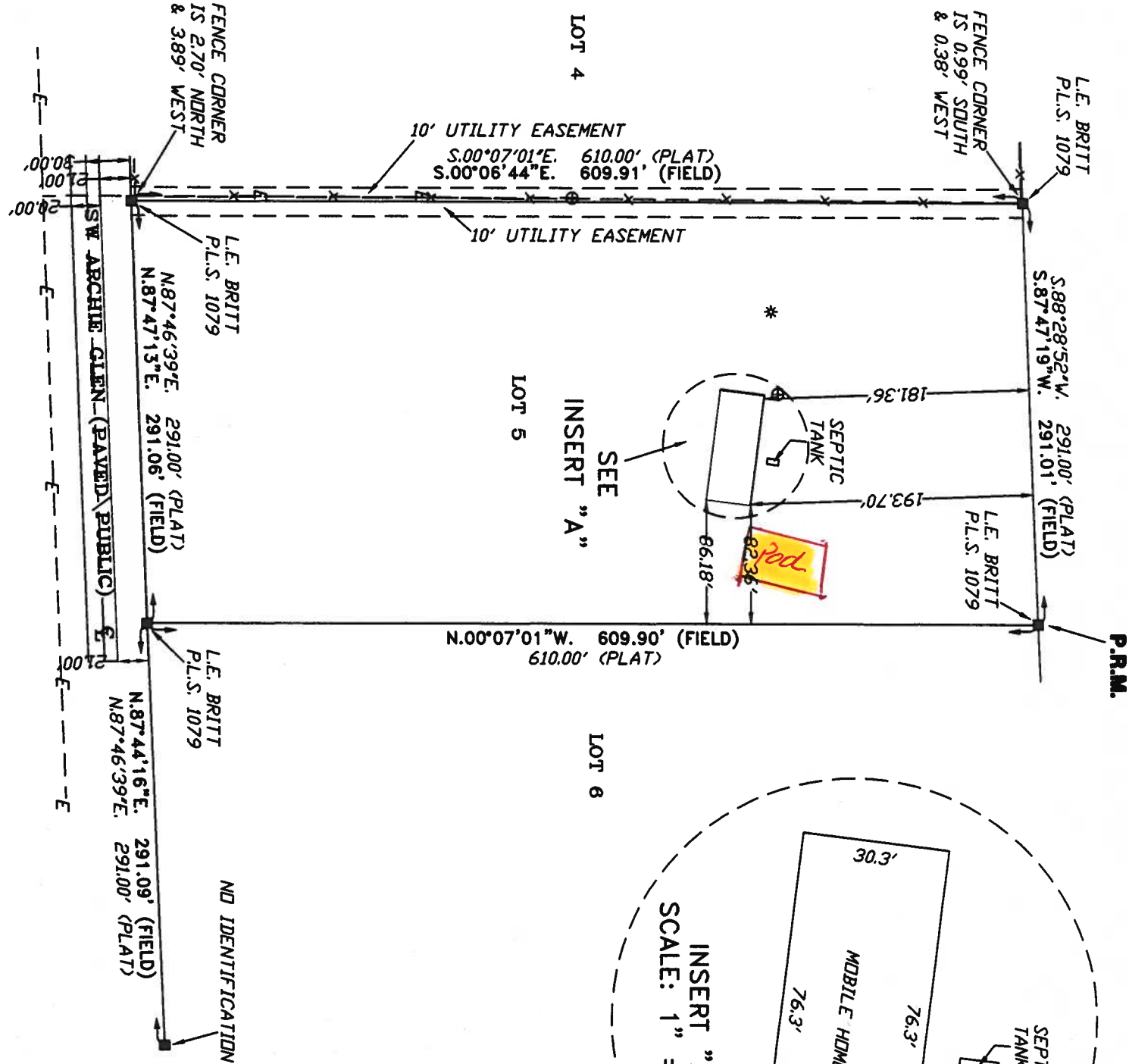
INSERT "A"
SCALE: 1" = 30'

LOT 6

LOT 5

SEE
INSERT "A"

LOT 4



DESCRIPTION:
LOT 5 OF CEDAR HILLS AS PER PLAT THEREOF RECORDED IN PLAT BOOK 5 PAGE 134
OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

- SURVEYOR'S NOTES:
- BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
 - BEARINGS ARE BASED ON SAID PLAT OF RECORD.
 - THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
 - THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 - IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 - THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

CERTIFIED TO:

ARTHUR & MEREDITH BENT

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MODERN TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.01, FLORIDA STATUTES.

FIELD SURVEY DATE: 02/06/06
DRAWING DATE: 02/07/06

L. SCOTT BRITT, P.E.

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



BRITT SURVEYING

LAND SURVEYORS AND MAPPERS

830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055

(386)752-7163 FAX (386)752-5573

WORK ORDER # L-17034

FIELD BOOK: SEE FILE PAGE(S):

& ASSOCIATES, LLC

ENGINEERS

Fax: (813) 874-5959

Rev/Date	Description
905 2006	ISSUED
▽	
▽	
▽	
▽	
▽	

CLIENT: Florida Pool Enclosures, INC

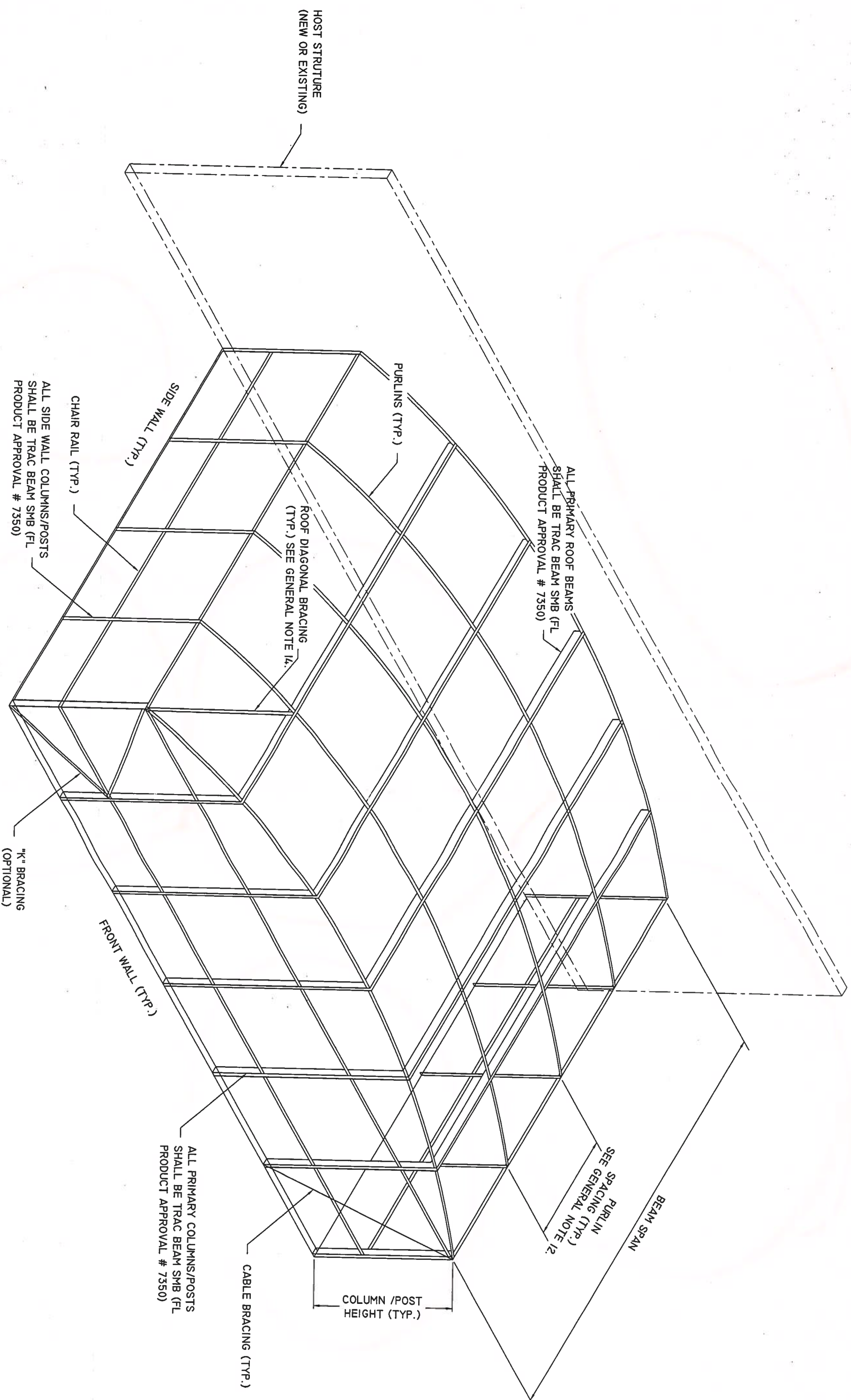
DESCRIPTION:

Screen Enclosure Details

DRAWN BY:	DYK
CHECKED BY:	DYK
SCALE:	AS SHOWN
DATE:	9/10/06

DO YEON KIM, P.E.
FLA. REG. NUMBER 4997
BO KIM & ASSOCIATES, LLC
SA# 26887
3300 HENDERSON BLVD.,
SUITE 106
Tampa, FL 33684

Drawing No. - 060905

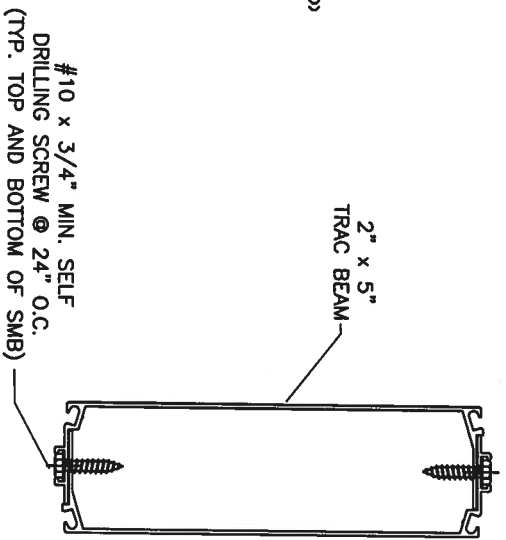
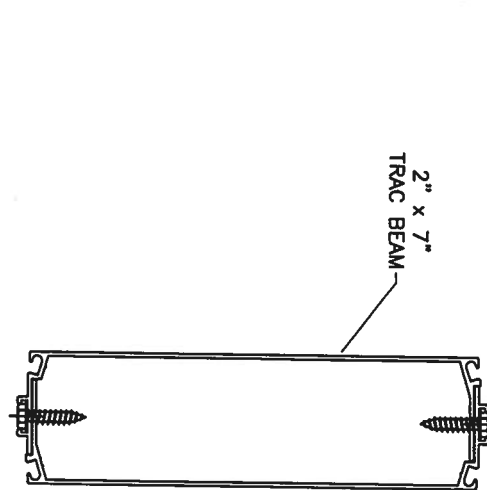
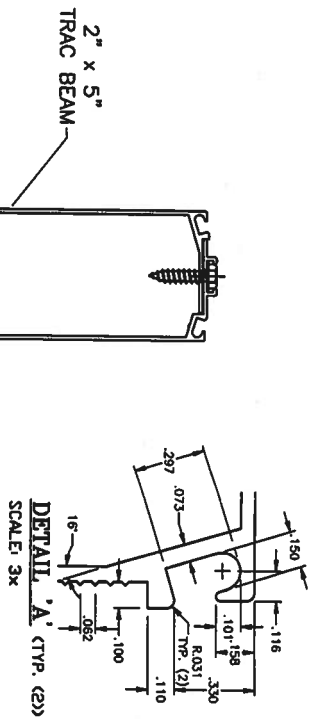
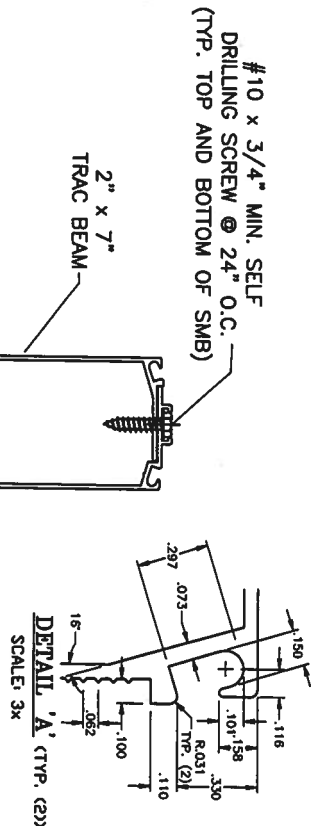
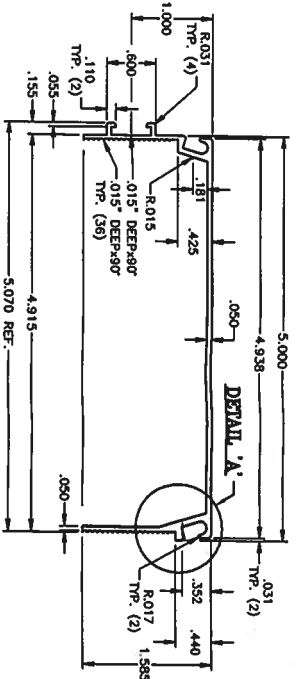
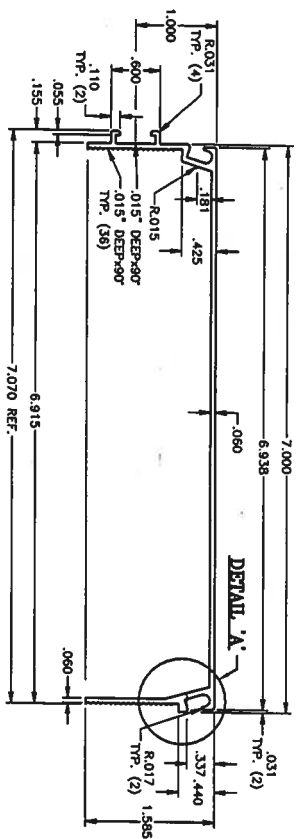


TYPICAL DOME ROOF

NOTE: Sketch is only a representation of a Dome Style Enclosure. Contractor shall provide detailed layout drawings.

Pool Enclosure Collective, LLC

Trac Beam (FL State Product Approval #7350)



2" x 7" TRAC SELF-MATING BEAM (SMB)

(patent pending)

2" x 5" TRAC SELF-MATING BEAM (SMB)

(patent pending)

2x5 TRAC BEAM (ROOF BEAM SPAN)					
BEAM TO BEAM SPACING (f-t)	110 mph	120 mph	130 mph	140 mph	150 mph
5' D.C.	25'	25'	25'	24.12'	23.27'
6' D.C.	25'	25'	25'	23.06'	22.12'
7' D.C.	25'	25'	23.51'	22.16'	21.33'
8' D.C.	25'	25'	22.94'	21.36'	20.35'

2x5 TRAC BEAM (COLUMN HEIGHT)					
BEAM TO BEAM SPACING (f-t)	110 mph	120 mph	130 mph	140 mph	150 mph
5' D.C.	20.31'	19.00'	17.01'	15.00'	13.33'
6' D.C.	18.57'	17.00'	14.57'	13.07'	12.28'
7' D.C.	16.89'	15.00'	13.00'	12.15'	11.24'
8' D.C.	15.11'	13.52'	12.28'	11.13'	10.12'

2x7 TRAC BEAM (ROOF BEAM SPAN)					
BEAM TO BEAM SPACING (f-t)	110 mph	120 mph	130 mph	140 mph	150 mph
5' D.C.	37.82'	37.62	34.63'	31.23'	28.00'
6' D.C.	35.18'	35.01	31.23'	27.37'	23.61'
7' D.C.	32.65'	32.43	28.00'	23.48'	23.05'
8' D.C.	30.00'	29.82	24.76'	23.21'	22.61'

2x7 TRAC BEAM (COLUMN HEIGHT)					
BEAM TO BEAM SPACING (f-t)	110 mph	120 mph	130 mph	140 mph	150 mph
5' D.C.	23.04'	22.42'	21.48'	20.53'	19.59'
6' D.C.	22.22'	21.47'	20.34'	19.21'	18.08'
7' D.C.	21.41'	20.53'	19.20'	17.80'	16.68'
8' D.C.	20.55'	19.59'	18.08'	16.58'	15.08'

TRAC BEAM Notes:

1. Refer to Florida Product Approval #FL7350.
2. Drawings are illustrative purposes only.
3. Allowable spans tables are based on 2004 Florida Building Code with 2006 Updates. Wind loads are based on Chapter 20 and Table 2004.4.
6. Maximum allowable deflections limits of L/60 have been checked.
- L/80 in HVHZ have also been checked.

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Rev	Date	Description
1	9/05/06	ISSUED

△		
△		
△		
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△		

CLIENT: Florida Pool Enclosures, INC

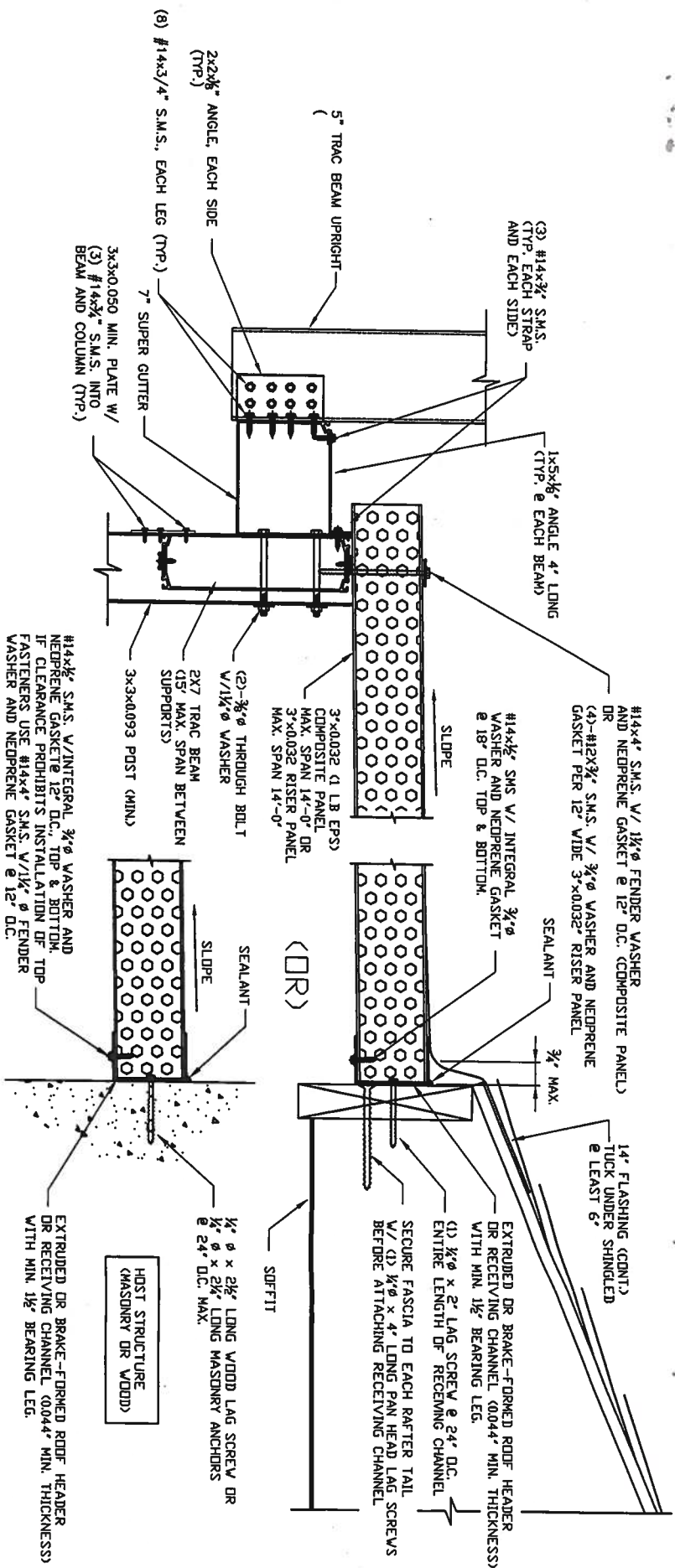
DESCRIPTION:
Screen Enclosure Details

DRAWN BY:	DYK
CHECKED BY:	DYK
SCALE:	AS SHOWN
DATE:	9/05/06

DO YEON KIM, P.E.
FLA. REG. NUMBER 49497

DO KIM & ASSOCIATES, LLC
CA# 26887
3300 HENDERSON BLVD.,
SUITE 106
Tampa, FL 33684

10/5/06



SCREEN ROOF TO
PANEL OR COMPOSITE ROOF
CONNECTION DETAIL

DO KIM
& ASSOCIATES, LLC
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STRUCTURAL
ENGINEERS**
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Tampa, FL 33609
Tel: (813) 874-5900
Fax: (813) 874-5959

Rev./Date	Description
305 2006	ISSUED

CLIENT: Florida Pool Enclosures, INC
DESCRIPTION:
Screen Enclosure Details

DRAWN BY:	DYK
CHECKED BY:	DYK
SCALE:	AS SHOWN
DATE:	9/05/06

DO YEON KIM, P.E.
FLA. REG. NO. 14949
DO KIM & ASSOCIATES, LLC
C# 28887
3300 HENDERSON BLVD.,
SUITE 106
TAMPA, FL 33604
10/5/06

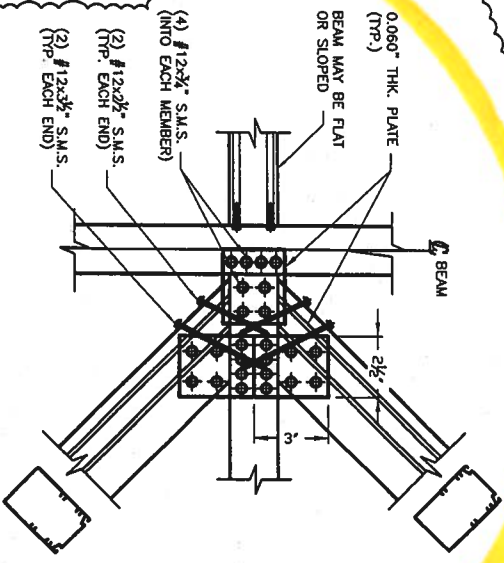
Rev/Date	Description
905 2006	ISSUED
1021 2006	REVISED DETAILS AS SHOWN

CLIENT: Florida Pool Enclosures, INC
DESCRIPTION:
Screen Enclosure Details

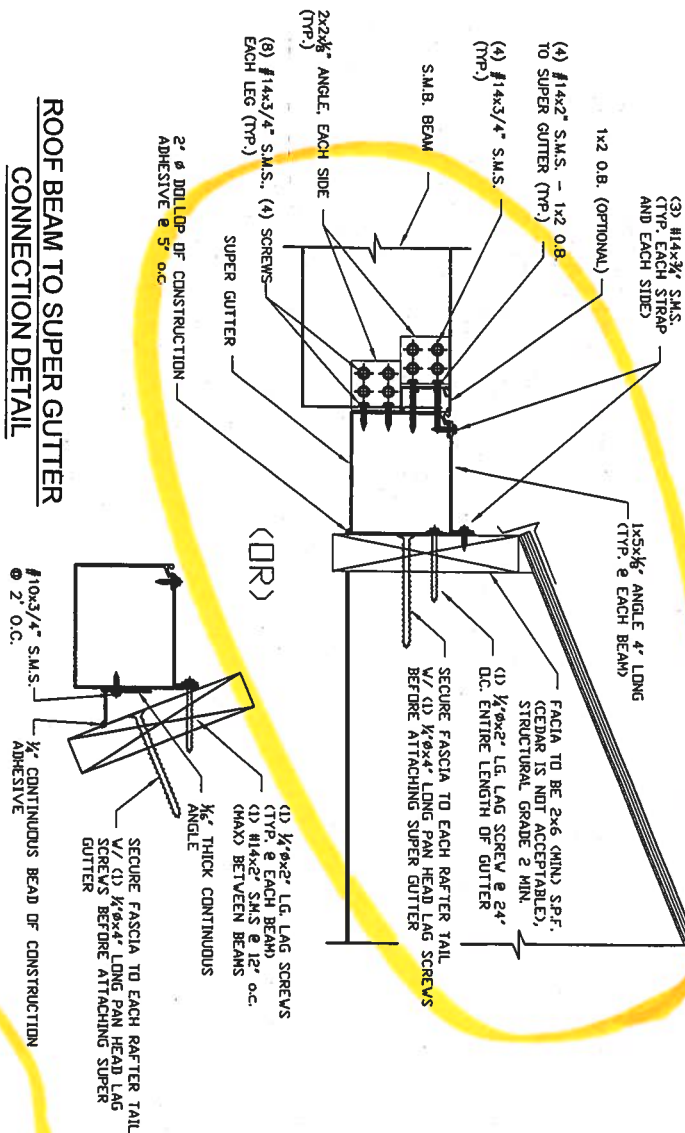
DRAWN BY:	DVK
CHECKED BY:	DVK
SCALE:	AS SHOWN
DATE:	9/05/06

DO YEON KIM, P.E.
FLA. REG. NUMBER 49497
DO KIM & ASSOCIATES, LLC
3300 HENDERSON BLVD.,
SUITE 106
TAMPA, FL 33604

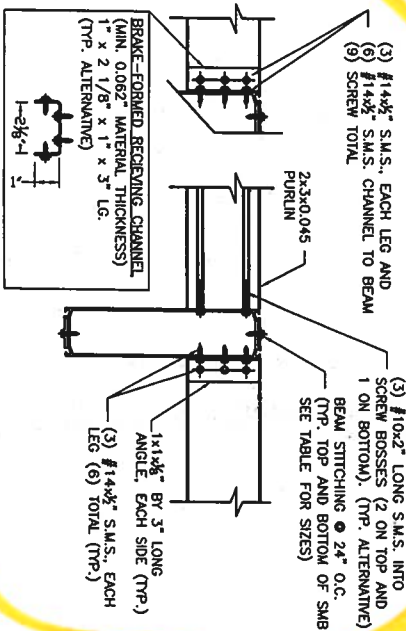
PLAN - TYPICAL ROOF
BRACE TO BEAM CONNECTION



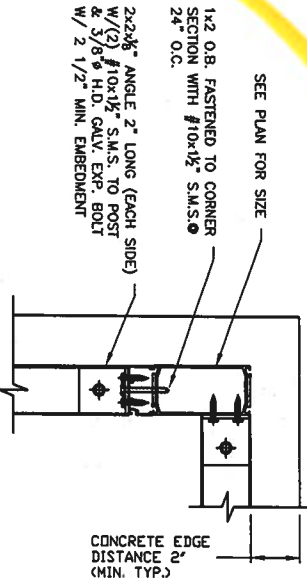
ROOF BEAM TO SUPER GUTTER
CONNECTION DETAIL



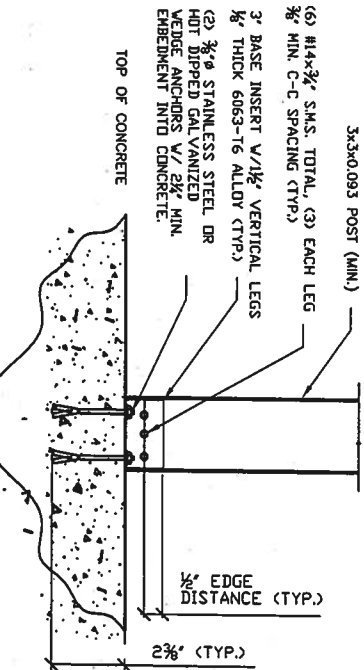
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CONNECTION DETAIL



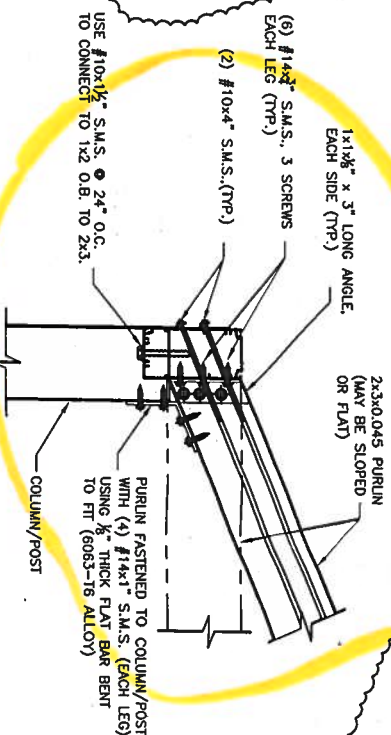
CORNER POST / COLUMN
TO FOUNDATION
CONNECTION DETAIL



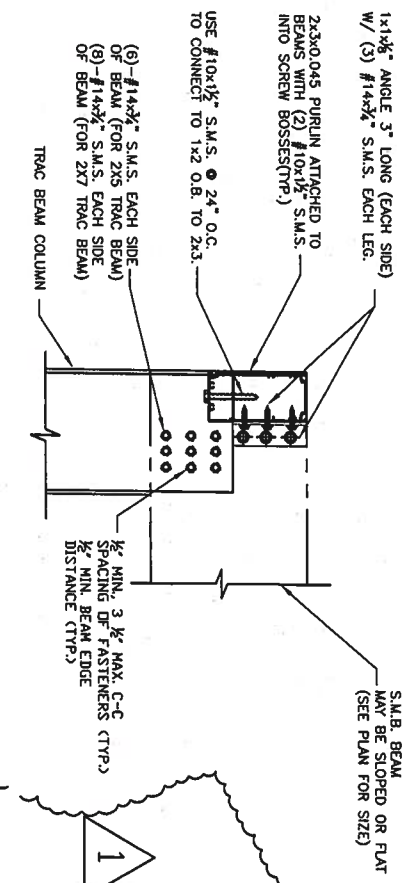
SCREEN ROOF TO PANEL/COMPOSITE
COLUMN TO FOUNDATION
CONNECTION DETAIL



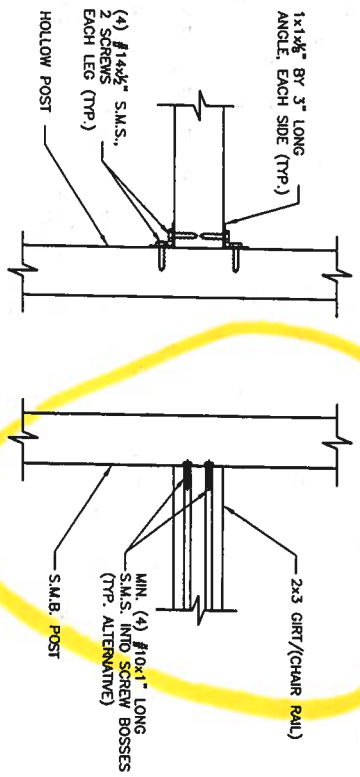
SIDEWALL POST / COLUMN TO PURLIN
CONNECTION DETAIL



MAIN POST / COLUMN TO ROOF BEAM
CONNECTION DETAIL



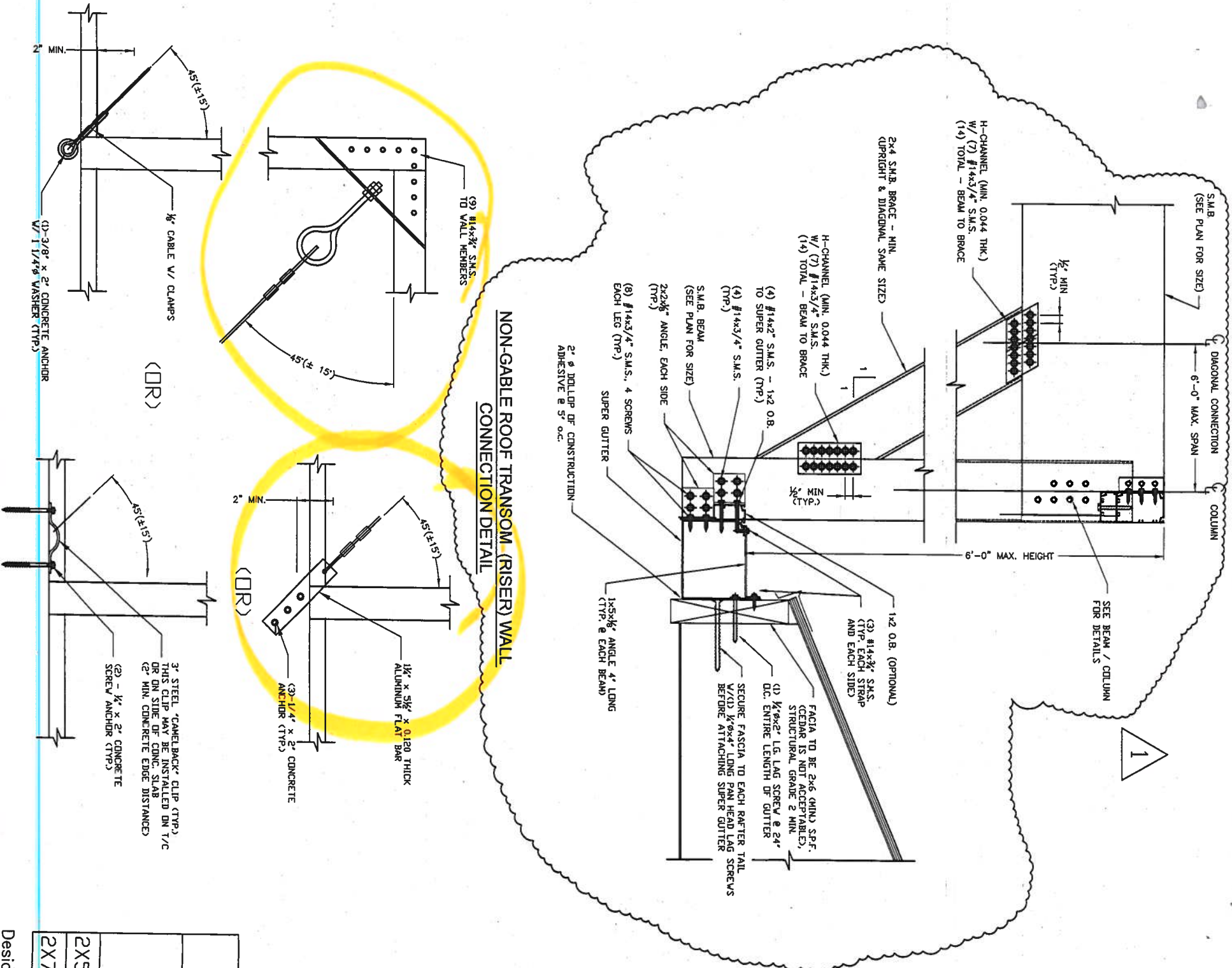
CHAIR RAIL / GIRT TO POST
CONNECTION DETAIL



General Notes and Specifications:

- Contractor shall field verify all dimensions before construction and shall notify engineer of discrepancies for immediate consideration.
- Concrete shall be minimum 28 day compressive strength of $f'c=2500$ psi, and be in accordance with the requirements of ACI 318. Reinforcing steel shall have a min. yield strength of 40,000 psi (grade 40) and be provided with cover in accordance with ACI 318. If existing concrete slabs/footings are deemed satisfactory, it may be incorporated into new slab/footing by observing the following procedure:
 - Clean and scabble all connecting edges.
 - Drill and epoxy embed #5 reinforcing placed @ 12" O.C. mid depth. The rebar should be embedded a min. of 7" (using Hilti HY 150 Epoxy or equal approved), leaving 24" exposed to be incorporated into new slab/footing.
- All dimensions are provided by contractor, DO Kim & Associates, LLC have made interpretations where necessary.
- The following structures are designed to be attached to block and wood frame structures of adequate structural capacity. The contractor shall verify that the host structure is in good condition and of sufficient strength to hold the proposed addition. If there is a question about the host structure, the owner (at his own expense) shall hire an architect or engineer to verify host structure capacity.
- Screen density shall be a maximum of 20 x 20 mesh.
- Connections using screw bosses shall have minimum (4) #10x1" per connection unless shown otherwise.
- Every panel of screen mesh shall be fastened securely in place with spline. Each panel shall be fastened at all sides, independent of surrounding panels. This requirement shall include purlins and chair/kickplate rails. Screen mesh panels are not required to be secured to rigid diagonal bracing members. Screen mesh is incidental to the structural integrity of the overall structure.
- Unless otherwise shown, screws shall have minimum edge distance and center-to-center distances as shown in this table.

C-1022 Low Carbon Steel SMS & Self-Drilling (TEX) Screws (Industry Standard Screws)			
Screw	Nominal Screw Diameter (in)	Minimum Edge Distance	Minimum Center to Center Distance
#10	0.188	$\frac{5}{16}$ "	$\frac{1}{2}$ "
#12	0.219	$\frac{3}{16}$ "	$\frac{1}{2}$ "
#14 (1 1/4")	0.250	$\frac{1}{2}$ "	$\frac{3}{4}$ "
- Structure has been designed to meet the 2004, FBC with 2006 supplements. Project is sited where the basic wind speed is 120 mph (3-sec gust), I=0.77 for screen enclosures. Exposure B. Design wind pressures are from 2004, FBC. Minimum design pressure is 10 psf. Pressures are based on wind tunnel testing with main wind force resisting system coefficient, GCP , of ± 0.25 for screen roof and 0.7-1.25 for walls.
- All concrete anchors shall be Simpson Strong-Tie Wedge All Anchors or Titen Screws or approved equal.
- Maximum spacing of Purlins shall be less than 8'-0" o.c. Maximum spacing of Chair Rails (Girts) shall be less than 9'-0" o.c.
- Composite panel or riser panel metal shall be of aluminum alloy 3105-H15 or 3105-H25.
- Diagonal bracing shall be installed on all roof screen panels that have at least one side adjacent to an exterior screen wall.
- Construction adhesive shall meet ASTM C-557. MIN shear strength @ 7 days = 425 P.S.I.
- When knee braces are utilized at uprights and beams, beam spans shown in tables are from the interior side of the knee brace supporting the beam.
- Lateral cable bracing shall be provided at each screened wall parallel to host structure, unless it is directly attached to host structure. One set of cable braces shall be provided for each 500 sf of screened wall area that the wind load is being applied.
- Structures that exceed 38 feet of beam span or heights exceeding 25 feet or are located in Exposure C shall require site specific evaluation by the engineer of record.
- All Aluminum members shall be 6063-T6 Alloy unless otherwise noted. Trac Beams shall be 6005-T5 Alloy.



MAXIMUM SPANS FOR CARRIER BEAMS
(SUPPORTING SCREEN ROOF ONLY)

BEAM	TRIBUTARY WIDTH				
	10'	15'	20'	25'	30'
2X5 TRAC	23.5'	19.8'	17.0'	15.0'	13.5'
2X7 TRAC	25.7'	22.3'	20.1'	18.1'	16.6'

Design wind speed up to 120 mph. Exposure B.

Beam Spacing Screw for all Legacy S.M.B.'s (NOT FOR TRAC BEAMS)	
Beam Size	Beam Spacing Screw @ 24" o.c.
2" x 4" x 0.046 x 0.100	#8 x 1/2"
2" x 5" x 0.050 x 0.116	#8 x 1/2"
2" x 6" x 0.050 x 0.120	#10 x 3/4"
2" x 7" x 0.055 x 0.120	#10 x 3/4"
2" x 8" x 0.072 x 0.224	#12 x 3/4"
2" x 9" x 0.072 x 0.224	#12 x 3/4"
2" x 9" x 0.082 x 0.306	#14 x 3/4"
2" x 10" x 0.092 x 0.389	#14 x 3/4"

DO KIM
& ASSOCIATES, LLC
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ENGINEERS

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Tampa, FL 33609
Tel: (813) 874-5900
Fax: (813) 874-5959

Rev/Date	Description
905 2006	ISSUED
1001 2006	REVISED DETAILS AS SHOWN

CLIENT: Florida Pool Enclosures, INC
DESCRIPTION:
Screen Enclosure Details

DRAWN BY:	DVK
CHECKED BY:	DVK
SCALE:	AS SHOWN
DATE:	9/05/06

DO KIM & ASSOCIATES, LLC
3300 HENDERSON BLVD.,
SUITE 106
TAMPA, FL 33604

Fax: (813) 874-5959

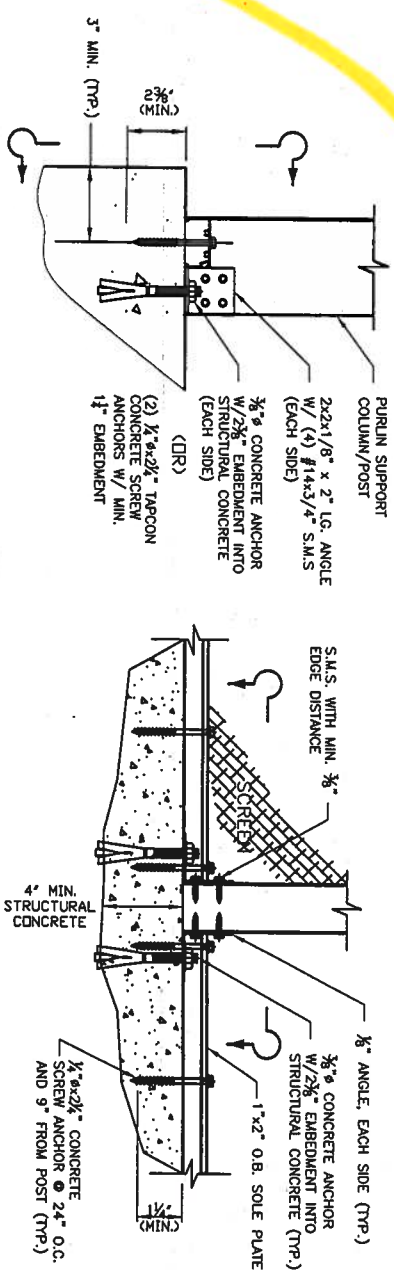
Rev./Date	Description
905 2006	ISSUED
100 2006	ADDED MANSARD SPICE CONNECTION

CLIENT: Florida Pool Enclosures, INC
DESCRIPTION:
Screen Enclosure Details

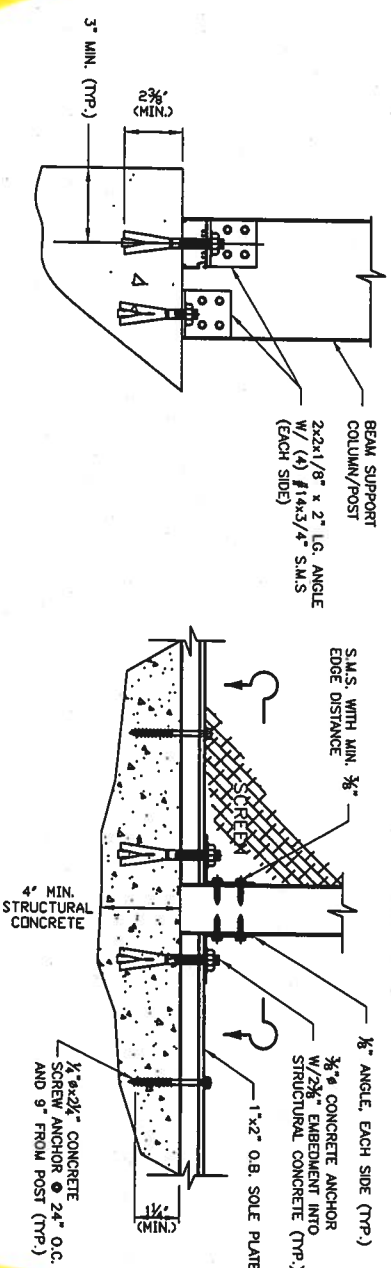
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SCALE:	AS SHOWN
DATE:	9/05/06

DOCKINS ASSOCIATES, LLC
C# 26887
3300 HENDERSON BLVD.,
SUITE 105
Tampa, FL 33694

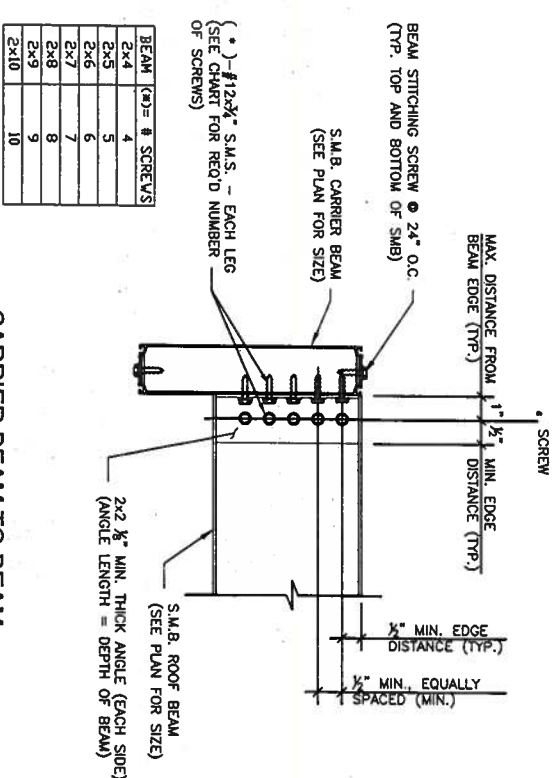
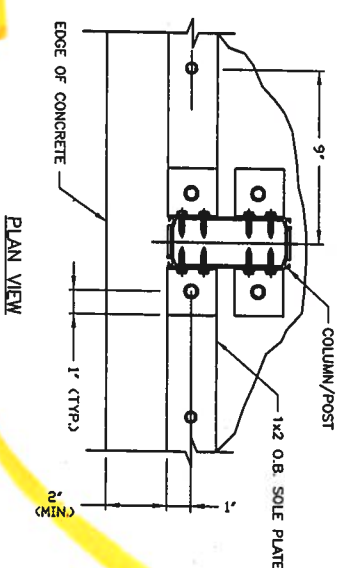
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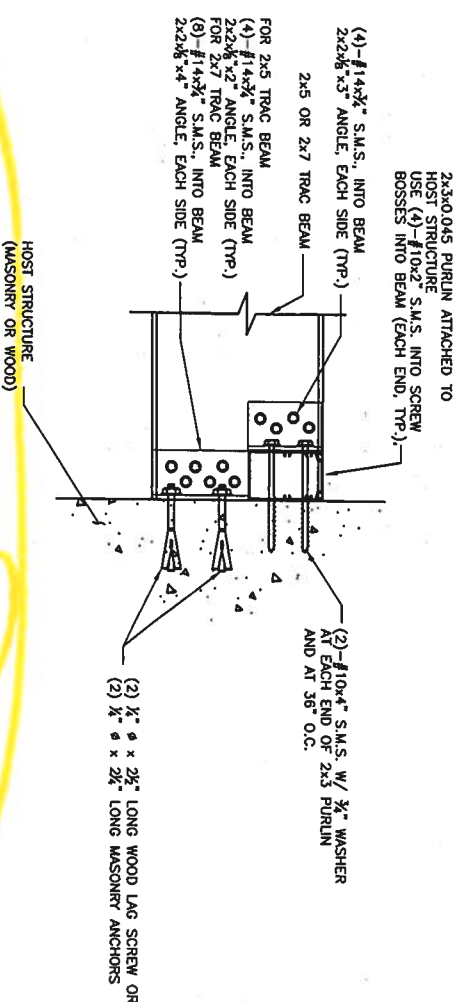
SIDEWALL COLUMN TO FOUNDATION CONNECTION DETAIL



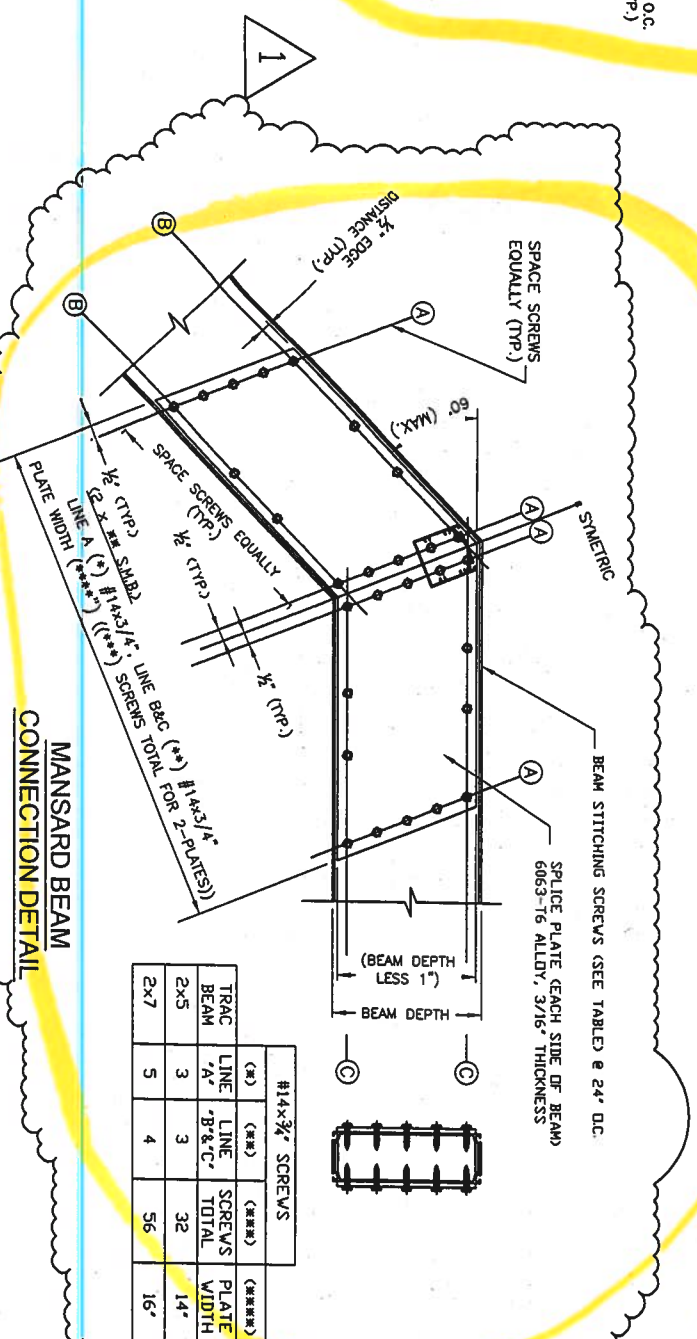
MAIN COLUMN TO FOUNDATION CONNECTION DETAIL



CARRIER BEAM TO BEAM CONNECTION DETAIL



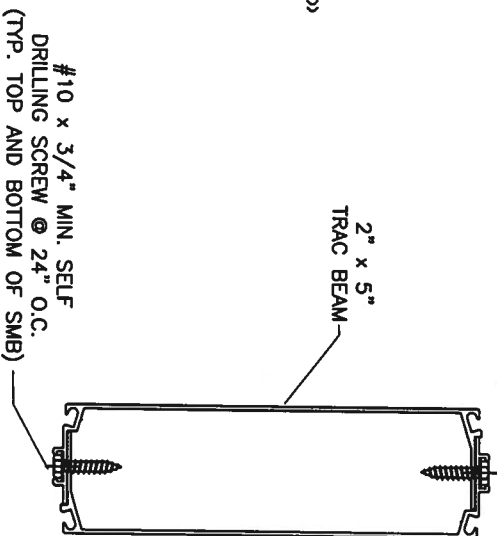
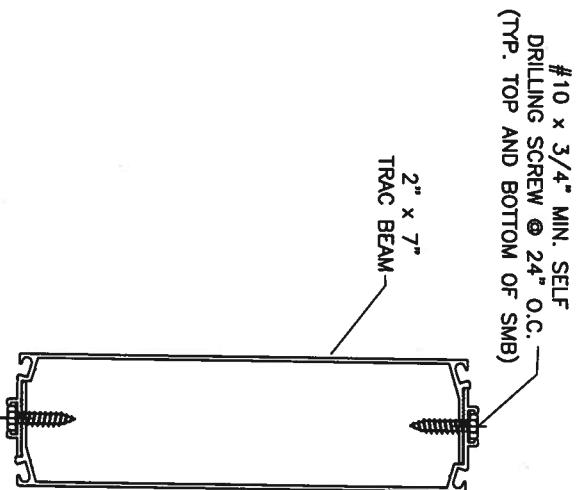
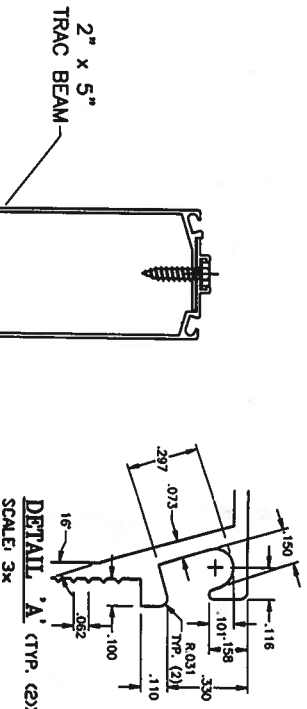
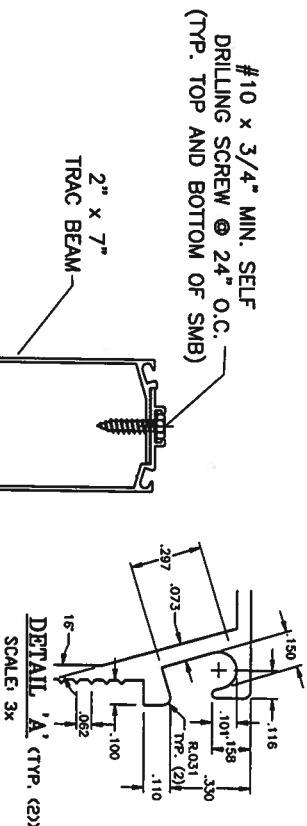
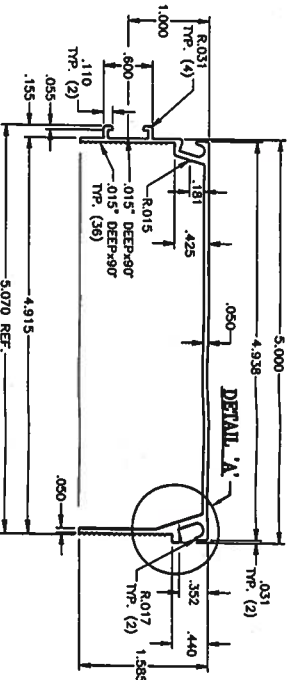
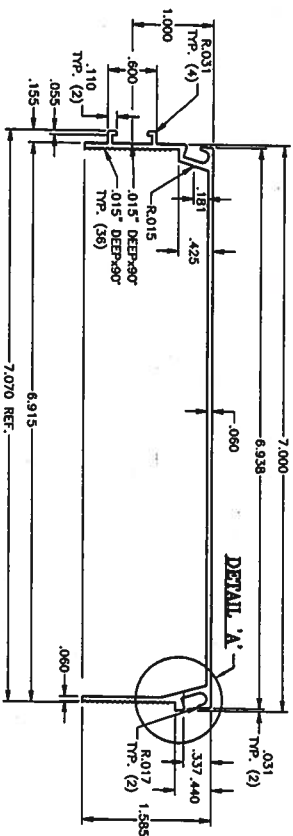
BEAM TO HOST STRUCTURE DETAIL



MANSARD BEAM CONNECTION DETAIL

Pool Enclosure Collective, LLC

Trac Beam (FL State Product Approval #7350)



2" x 7" TRAC SELF-MATING BEAM (SMB)

(patent pending)

2" x 5" TRAC SELF-MATING BEAM (SMB)

(patent pending)

TRAC BEAM Notes:

1. Refer to Florida Product Approval #FL7350.
2. Drawings are illustrative purposes only.
3. Allowable spans tables are based on 2004 Florida Building Code with 2006 Updates. Wind loads are based on Chapter 20 and Table 2004.4.
6. Maximum allowable deflections limits of L/60 have been checked.
- L/80 in HVHZ have also been checked.

2x5 TRAC BEAM (ROOF BEAM SPAN)					
BEAM TO BEAM SPACING (ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' D.C.	25'	25'	25'	24.12'	23.27'
6' D.C.	25'	25'	25'	23.06'	22.12'
7' D.C.	25'	25'	23.51'	22.16'	21.33'
8' D.C.	25'	25'	22.94'	21.36'	20.35'

2x5 TRAC BEAM (COLUMN HEIGHT)					
BEAM TO BEAM SPACING (ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' D.C.	20.31'	19.00'	17.01'	15.00'	13.33'
6' D.C.	18.57'	17.00'	14.57'	13.07'	12.28'
7' D.C.	16.89'	15.00'	13.00'	12.15'	11.24'
8' D.C.	15.11'	13.52'	12.28'	11.13'	10.12'

2x7 TRAC BEAM (ROOF BEAM SPAN)					
BEAM TO BEAM SPACING (ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' D.C.	37.82'	37.62'	34.63'	31.23'	28.00'
6' D.C.	35.18'	35.01'	31.23'	27.37'	23.61'
7' D.C.	32.65'	32.43'	28.00'	23.48'	23.05'
8' D.C.	30.00'	29.82'	24.76'	23.21'	22.61'

2x7 TRAC BEAM (COLUMN HEIGHT)					
BEAM TO BEAM SPACING (ft)	110 mph	120 mph	130 mph	140 mph	150 mph
5' D.C.	23.04'	22.42'	21.48'	20.53'	19.59'
6' D.C.	22.22'	21.47'	20.34'	19.21'	18.08'
7' D.C.	21.41'	20.53'	19.20'	17.80'	16.68'
8' D.C.	20.55'	19.59'	18.08'	16.58'	15.08'

DO KIM & ASSOCIATES, LLC

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Rev/Date	Description
9/05/2006	ISSUED

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△	

CLIENT: Florida Pool Enclosures, INC

DESCRIPTION:

Screen Enclosure Details

DRAWN BY:	DVK
CHECKED BY:	DVK
SCALE:	AS SHOWN
DATE:	9/05/06

DO YEON KIM, P.E.
FLA. REG. NUMBER 49497

DO KIM & ASSOCIATES, LLC
26887
SUITE 106
Tampa, FL 33684

DO KIM
& ASSOCIATES, LLC
CONSULTING
STRUCTURAL
ENGINEERS

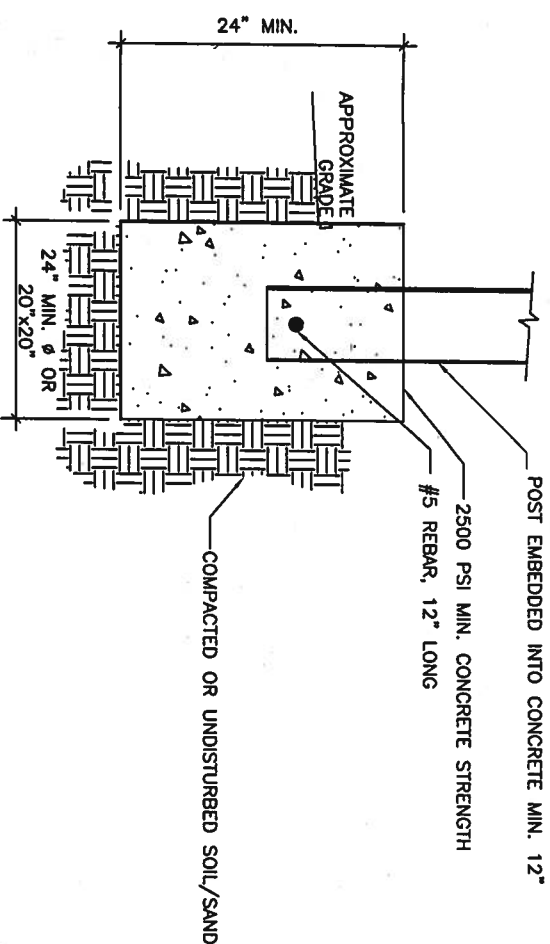
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Tampa, FL 33609
Tel: (813) 874-5900
Fax: (813) 874-5959

Rev./Date	Description
9/05 2006	ISSUED

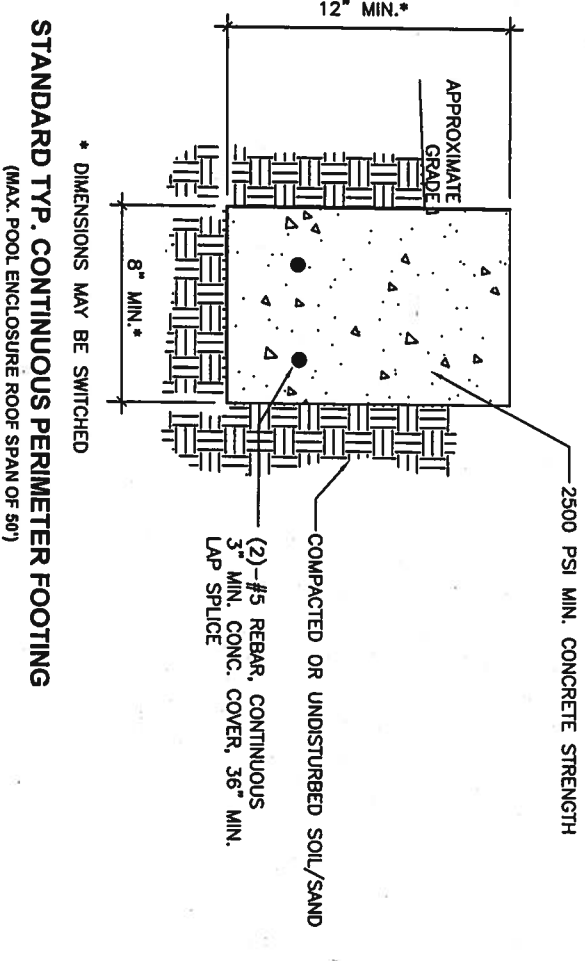
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DESCRIPTION:
Screen Enclosure Details

DRAWN BY:	DYK
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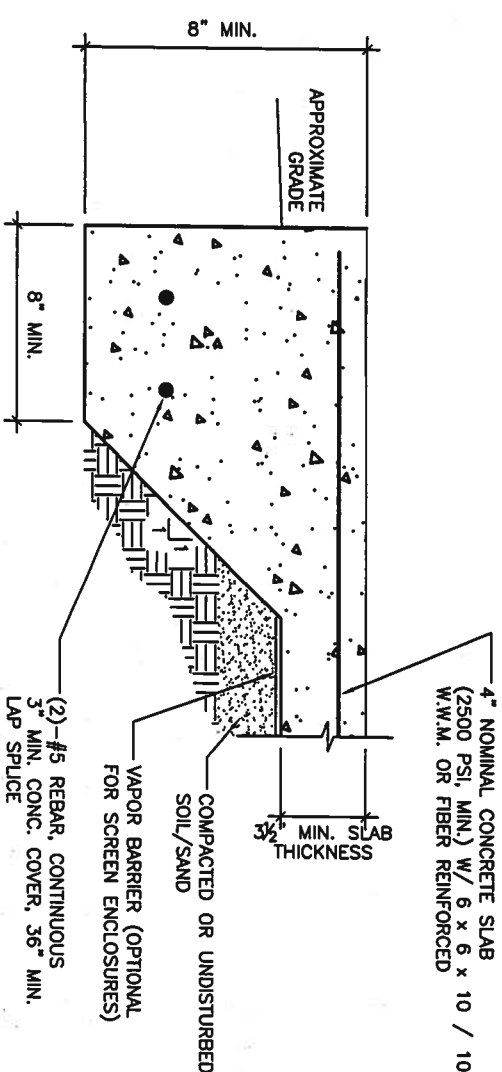
DO YEON KIM, P.E.
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Tampa, FL 33684



STANDARD TYP. ISOLATED FOOTER



STANDARD TYP. CONTINUOUS PERIMETER FOOTING
(MAX. POOL ENCLOSURE ROOF SPAN OF 50')



STANDARD TYP. TURNDOWN SLAB FOOTING
(MAX. POOL ENCLOSURE ROOF SPAN OF 50')

POST / CONCRETE SLAB DETAIL
(MAX. POOL ENCLOSURE ROOF SPAN OF 40')

