

DATE03/01/2007

Columbia County Building Permit

PERMIT000025583

This Permit Expires One Year From the Date of Issue

APPLICANTBOB MCINTOSH

PHONE754-8679

ADDRESS289NW CORINTH DR

LAKE CITYFL32055

OWNERFRED & DANA KINGRY

PHONE758-7504

ADDRESS165SW RED MAPLE WAY

LAKE CITYFL32055

CONTRACTORMICHAEL DELAHOZ

PHONE754-8678

LOCATION OF PROPERTY90W, TL ON DEPUTY JEFF DAVIS,TR ON PINE MOUNT, TL

RED MAPLE WAY, 3RD ON LEFT

TYPE DEVELOPMENTPOOL ENCLOSURE

ESTIMATED COST OF CONSTRUCTION24000.00

HEATED FLOOR AREATOTAL AREAHEIGHTSTORIES

FOUNDATIONWALLSROOF PITCHFLOOR

LAND USE & ZONINGRSF-2

MAX. HEIGHT

Minimum Set Back Requirments:STREET-FRONT25.00REAR15.00SIDE10.00

NO. EX.D.U.1

FLOOD ZONENA

DEVELOPMENT PERMIT NO.

PARCEL ID03-4S-16-02732-118

SUBDIVISIONLAUREL LAKE

LOT18BLOCKPHASEUNITTOTAL ACRES

SCC056689

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

EXISTINGX07-095BKJH

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS: NOC ON FILE

Check # or Cash3316

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

Pool

date/app. by

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$120.00

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 FEE170.00

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.

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 $30\frac{1}{4}$
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87
 ϕ

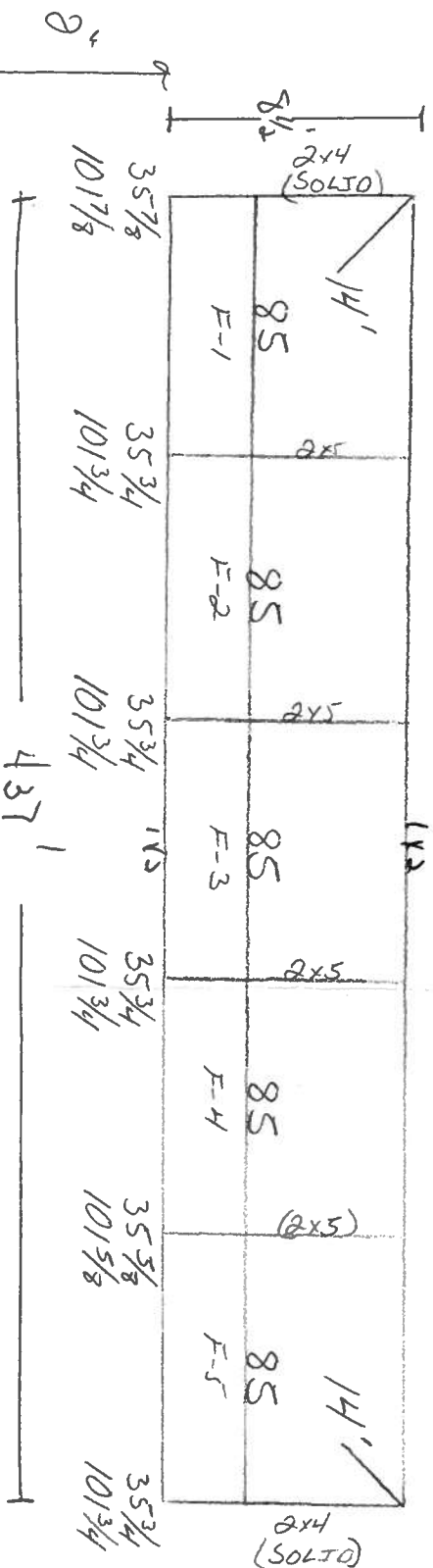
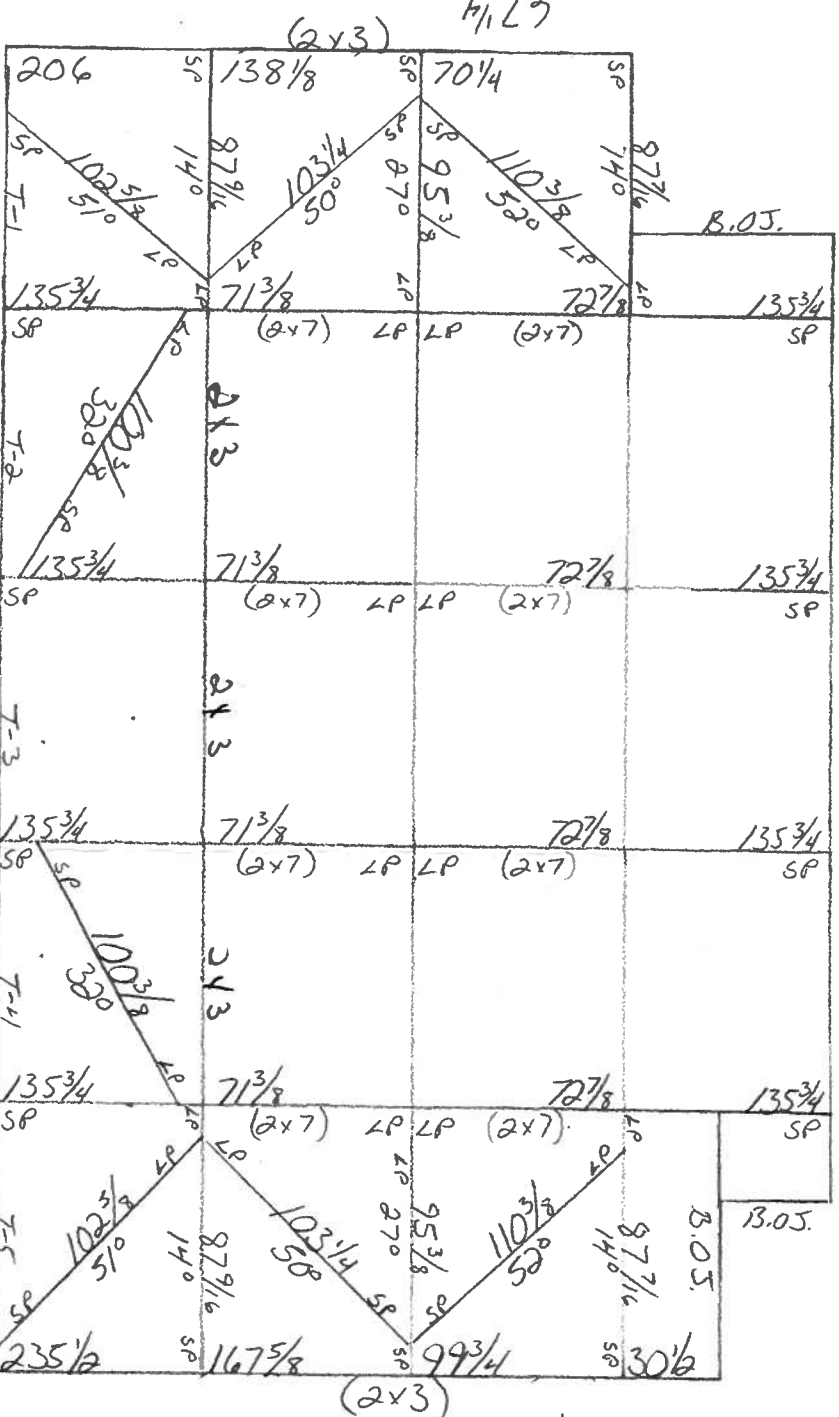
87
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$822\frac{1}{2}$

87
 ϕ

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5.6



Columbia County Building Permit Application

For Office Use Only Application # 0702-70 Date Received 4/6 By JW Permit # 25583
 Application Approved by - Zoning Official CJA Date 2/28/07 Plans Examiner OK JTH Date 2-28-07
 Flood Zone N/A Development Permit N/A Zoning RSP-2 Land Use Plan Map Category RLD

Comments _____

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

Name Authorized Person Signing Permit Nadean McIntosh Fax 386-755-1751
 Address 289 NW Corinth Dr Lake City FL 32055 Phone 386-754-8679

Owners Name Kingery, Fred & Dore Phone 386-758-7504
 911 Address 165 SW Red Maple Way Lake City FL 32055

Contractors Name Michael A Dela Hoz 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 13-45-16-02732-118 Estimated Cost of Construction 6500

Subdivision Name Laurel Lake Lot 18 Block _____ Unit _____ Phase _____
 Driving Directions 90 W to Left on Deputy Jeff Davis to Bon Pine

Mount, left into Laurel Lake S/D 3rd on Left

Type of Construction Pool Enclosure Number of Existing Dwellings on Property 1
 Total Acreage .5 Lot Size 135.00 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 110 Side 52' Side 28' Rear 47'
 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.

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 _____

Contractor Signature Nadean McIntosh
 Contractors License Number 22056689
 Competency Card Number _____

NOTARY STAMP/SEAL
 Nadean G.S. McIntosh
 Commission # DD371494
 Expires November 14, 2008
 Bonded Troy Felt - Insurance, Inc. 800-308-7812

Notary Signature _____
 (Revised Sept. 2006)

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 00-48-16-02732-118

1. Description of property: (legal description of the property and street address or 911 address)
Lot 18 of Laurel Lake as per recorded in Plat Book 7299-10
165 SW Red Maple Way Lake City, FL 32055
2. General description of improvement: Pool Enclosure
3. Owner Name & Address Kingery, Fred & Dong
165 SW Red Maple Way Lake City, FL 32055 Interest In Property Owner
4. Name & Address of Fee Simple Owner (if other than owner): n/a
5. Contractor Name Mike Delahoz 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: 2007004522 Date: 02/26/2007 Time: 10:02
S. P. DC, P. DeWitt Cason, Columbia County B: 1111 P: 2241
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.

Fred & Dong Kingery
Signature of Owner

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

NOTARY STAMP



Nadean G.S. McIntosh
Commission # DD371494
Expires November 14, 2008
Bonded Troy Fain - Insurance, Inc. 009-386-7019

Nadean G.S. McIntosh
Signature of Notary

Columbia County Property Appraiser

DB Last Updated: 2/5/2007

2007 Proposed Values

Parcel: 03-4S-16-02732-118

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	KINGERY FREDRICK L & DANA B		
Site Address	RED MAPLE		
Mailing Address	165 SW RED MAPLE WAY LAKE CITY, FL 32024		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	3416.00	Tax District	2
UD Codes	MKTA06	Market Area	06
Total Land Area	0.500 ACRES		
Description	LOT 18 LAUREL LAKE S/D. ORB 978-96, WD 1007-695. WD 1108-1400. WD 1108-1403.		

GIS Aerial**Property & Assessment Values**

Mkt Land Value	cnt: (1)	\$40,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$181,311.00
XFOB Value	cnt: (1)	\$4,806.00
Total Appraised Value		\$226,117.00

Just Value	\$226,117.00
Class Value	\$0.00
Assessed Value	\$226,117.00
Exempt Value	\$0.00
Total Taxable Value	\$226,117.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
1/16/2007	1108/1403	WD	I	Q		\$276,000.00
9/22/2006	1108/1400	WD	I	Q		\$302,500.00
2/10/2004	1007/695	WD	I	Q		\$187,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2003	WD FR Stucco (16)	2483	3385	\$181,311.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

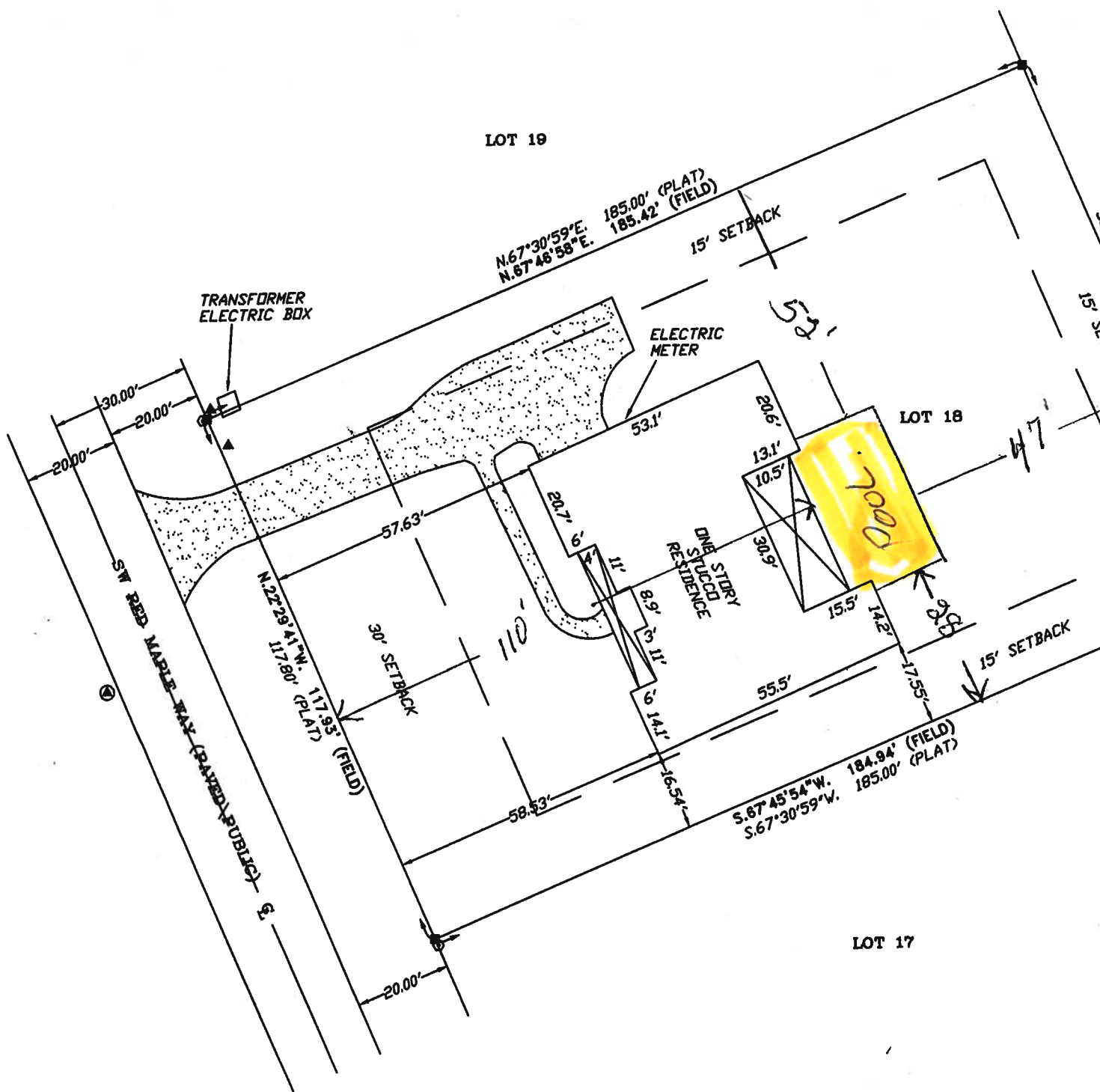
Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	2003	\$4,806.00	1602.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.500AC)	1.00/1.00/1.00/1.00	\$40,000.00	\$40,000.00

Columbia County Property Appraiser

DB Last Updated: 2/5/2007



NOTE: ALL PROPERTY CORNERS AS SHOWN HEREON ARE IDENTIFIED TO BE
BAILEY, BISHOP & LANE, L.B. # 6685.

CERTIFIED TO:

FREDERICK L. KINGERY
DANA B. KINGERY
CARTUS HOME LOANS
CENSTAR TITLE INSURANCE COMPANY
FLORIDA RELOCATION CLOSING SERVICES

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RE-
TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF
IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT

01/02/07
FIELD SURVEY DATE

01/02/07
DRAWING DATE

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED
MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATION

BOUNDARY SURVEY IN SECTION 3, TOWNSHIP 4 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.



SCALE: 1" = 30'

SYMBOL LEGEND:

- 4"x4" CONCRETE MONUMENT FOUND
- 4"x4" CONCRETE MONUMENT SET
- IRON PIPE FOUND
- IRON PIN AND CAP SET
- ⊕ POWER POLE
- ▲ WATER METER
- Ⓢ CENTERLINE
- * WELL
- Ⓢ SANITARY MANHOLE
- Ⓢ TELEPHONE BOX
- E— ELECTRIC LINES
- X— WIRE FENCE
- CHAIN LINK FENCE
- WOODEN FENCE

DESCRIPTION:

LOT 18 OF 'LAUREL LAKE' AS PER PLAT THEREOF RECORDED IN PLAT
BOOK 7, PAGES 9 & 10 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY,
FLORIDA.

P.R.M. 3

SURVEYOR'S NOTES:

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



BRITT SURVEYING

LAND SURVEYORS AND MAPPERS

830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055

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

WORK ORDER # L-18045

CHARGE AND MEETS THE MINIMUM
SIGNAL SURVEYORS AND MAPPERS
BOOK 472, PAGE 7, FLORIDA STATUTES.

Britt

BRITT, P.S.M.
ATTORNEY # 5757

A FLORIDA LICENSED SURVEYOR AND
SEES ONLY AND IS NOT VALID.

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 AFFAIRS

HOUSING & COMMUNITY DEVELOPMENT

SALES & MARKETING

FINANCE & ACCOUNTING

LEGAL & COMPLIANCE

IT & TELECOMMUNICATIONS

OFFICE OF THE SECRETARY

OFFICE OF THE CHIEF OF STAFF

OFFICE OF THE GENERAL COUNSEL

OFFICE OF THE COMPTROLLER

OFFICE OF THE CLERK OF THE COMMISSION

OFFICE OF THE CHIEF OF POLICE

OFFICE OF THE CHIEF OF FIRE

OFFICE OF THE CHIEF OF PUBLIC SAFETY

OFFICE OF THE CHIEF OF EMERGENCY MANAGEMENT

OFFICE OF THE CHIEF OF DISASTER RELIEF

OFFICE OF THE CHIEF OF RECOVERY

OFFICE OF THE CHIEF OF RECONSTRUCTION

OFFICE OF THE CHIEF OF REPAIR

OFFICE OF THE CHIEF OF RESTORATION

OFFICE OF THE CHIEF OF REPAIR

OFFICE OF THE CHIEF OF REPAIR

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Product Approval
USER: Public User

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

Search Criteria

Code Version	2004	FL#	Refine Search
Application Type	ALL	Product Manufacturer	7350
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		

PCA 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:

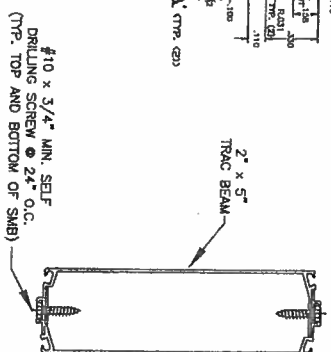
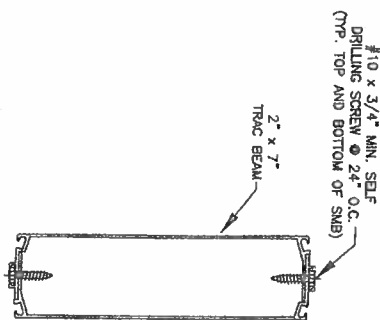
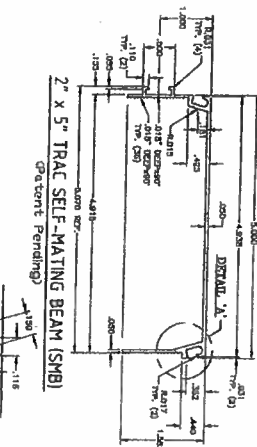
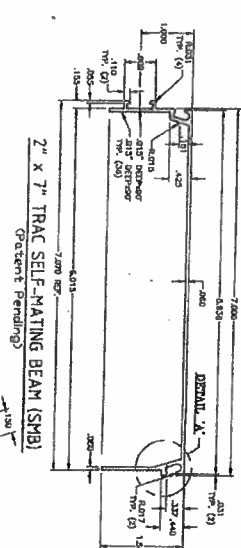


start

Florida Building Code Online

POOL ENCLOSURE COLLECTIVE, LLC

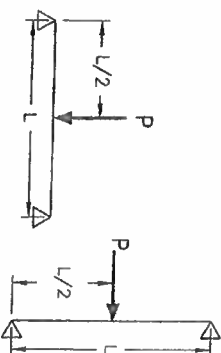
P.O. BOX 10039, TAMPA, FL 33679
PH. (813)857-9955



- GENERAL NOTES**
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 MANUAL, SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES SECTION 9.3.2 AND CONFORMS TO THE 2004 FBC CHAPTER 16 AND 20.
 5. TESTING HAS BEEN CONDUCTED IN ACCORDANCE WITH ASTM E529-04; STANDARD GUIDE FOR CONDUCTING FLEXURAL TESTS ON BEAMS AND GIRDERS FOR BUILDING CONSTRUCTION. SEE REFERENCED TEST REPORT IN NOTE 2.
 6. THE DESIGNER SHALL DETERMINE BY ACCEPTED ENGINEERING PRACTICE THE ALLOWABLE LOADS FOR THE SITE SPECIFIC LOAD CONDITIONS (INCLUDING LOAD COMBINATIONS) USING THE DATA FROM THE ALLOWABLE LOADS TABLE IN THIS APPROVAL.
 7. DEFLECTION VALUES TABULATED IN THIS DRAWING ARE FROM LOAD-DEFLECTION DIAGRAMS OF TESTED SPECIMENS.
 8. THE DESIGNER SHALL CONSIDER LOAD DEFLECTION LIMITS BASED ON SITE SPECIFIC LOAD CONDITIONS, SUPPORT, FASTER LOADS, CONNECTION STRESSES, MOMENT CAPACITY, ETC.
 9. SUPERIOR FOR STITCHING BEAMS SHALL BE POOL ENCLOSURE COLLECTIVE, LLC'S TRAC BEAM SCREW WITH MIN. PROPERTIES EQUAL TO C-1022 LOW-CARBON STEEL WITH YIELD STRENGTH OF 58 KSI MIN.
 10. WITH ADEQUATE CORROSION PROTECTION COATING AS SPECIFIED BY THE DESIGNER.

2x5 TRAC SELF-MATING BEAM (Patent Pending)		
L-SPAN (feet)	ALLOWABLE LOAD-P (lbs)	TEST SPECIMEN DEFL. AT LOAD-P (inches)
10	1037.0	0.68"
11	970.5	
12	903.9	
13	837.4	
14	792.8	1.49"
15	781.9	
16	748.7	
17	715.6	
18	682.4	
19	649.3	
20	616.2	
21	583.0	
22	549.9	
23	516.7	
24	483.6	
25	450.4	
26	417.3	4.31"

2x7 TRAC SELF-MATING BEAM (Patent Pending)		
L-SPAN (feet)	ALLOWABLE LOAD-P (lbs)	TEST SPECIMEN DEFL. AT 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	927.9	
19	869.0	
20	811.0	
21	753.0	
22	695.0	
23	637.0	
24	579.0	
25	521.1	2.40"
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"



PRODUCT: 2x5 TRAC SELF-MATING BEAM 2x7 TRAC SELF-MATING BEAM		Documents Prepared By: R.W. BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.859.9197	
PART OR ASSEMBLY: SCREEN ENCLOSURE COMPONENT		Florida Board of Professional Engineers Certificate Of Authorization No. 9813 B-11-06 Wendell W. Hulse, P.E. No. 54158	
REVISIONS NO. DATE REVISIONS		DATE: 08/11/06 SCALE: N.T.S. CHK. BY: JEM DRG. BY: MWH DRAWING NO.: FL-114	
SHEET: 1 OF 1		© 2006 R.W. BUILDING CONSULTANTS INC.	

DO KIM
& ASSOCIATES, LLC
CONSULTING
STRUCTURAL
ENGINEERS

3300 Henderson Blvd., Suite 106
Tampa, FL 33609
Tel: (813) 874-5900
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:	9/05/06

DO YOUNG KIM, P.E.
FLA. REG. NUMBER 19497
DO KIM & ASSOCIATES, LLC
26887 CAY
SUITE 106
3600 HENDERSON BLVD.,
Tampa, FL 33694

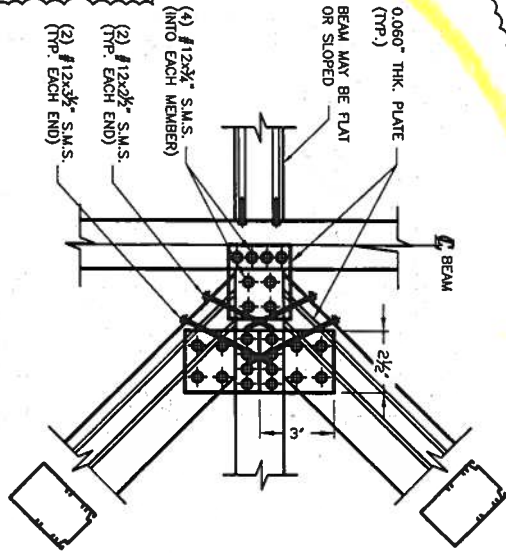
Rev./Date	Description
005 2008	ISSUED
10/01 2006	REVISED DETAILS AS SHOWN

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

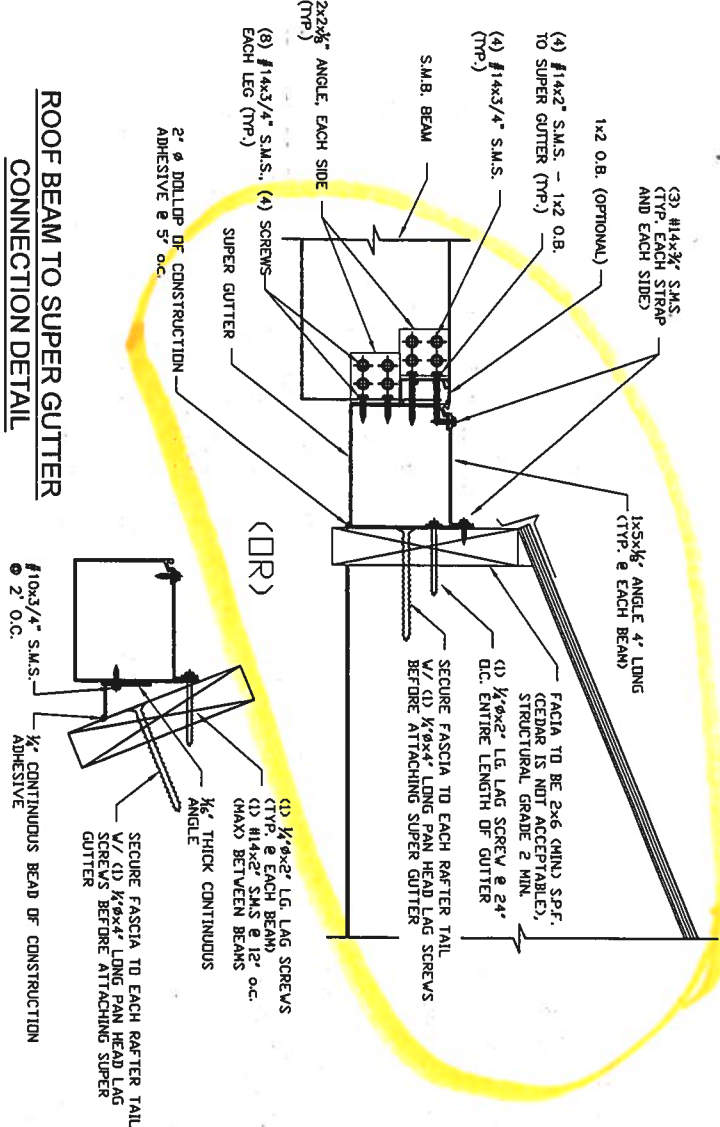
DRAWN BY:	DYK
CHECKED BY:	DYK
SCALE:	AS SHOWN
DATE:	9/05/06

DO YEON KIM, P.E.
FDR REG. NUMBER 49497
DO KIM & ASSOCIATES, LLC
CA# 26887
3300 HENDERSON BLVD.,
SUITE 106
Tampa, FL 33604

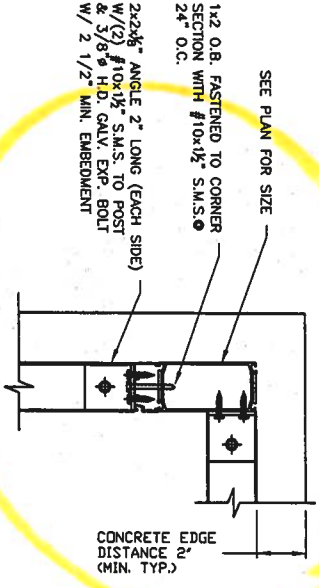
PLAN - TYPICAL ROOF
BRACE TO BEAM CONNECTION



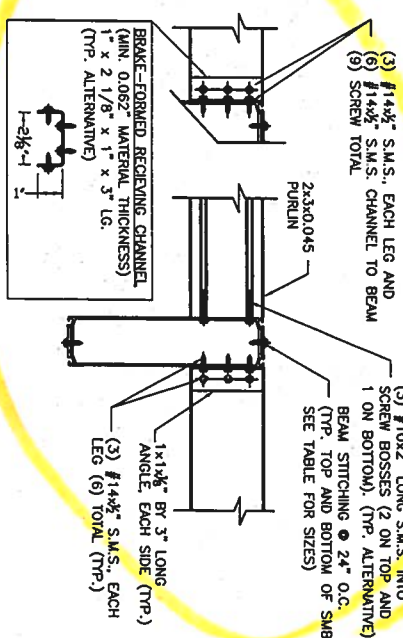
ROOF BEAM TO SUPER GUTTER
CONNECTION DETAIL



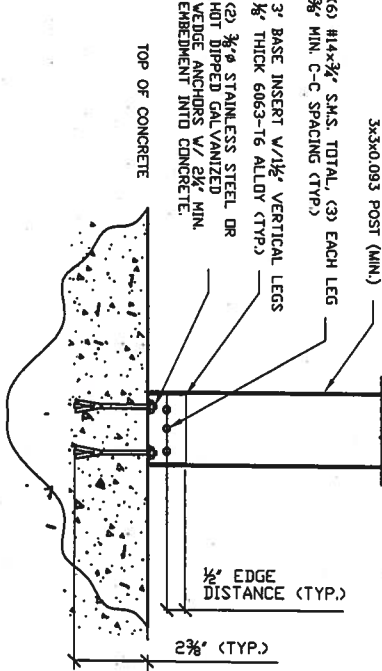
CORNER POST / COLUMN
TO FOUNDATION
CONNECTION DETAIL



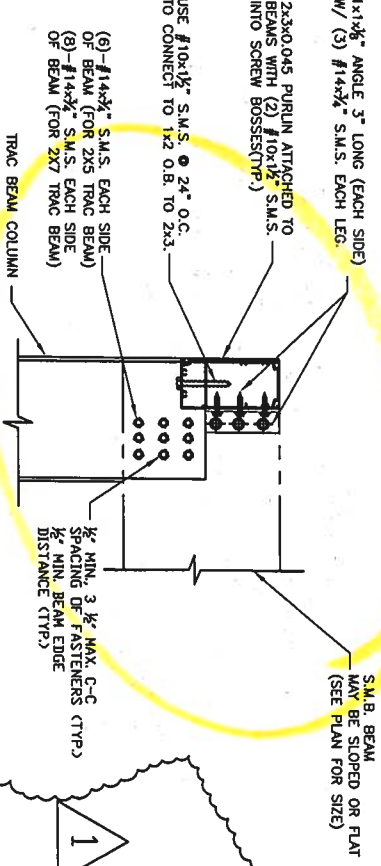
PURLIN TO ROOF BEAM
CONNECTION DETAIL



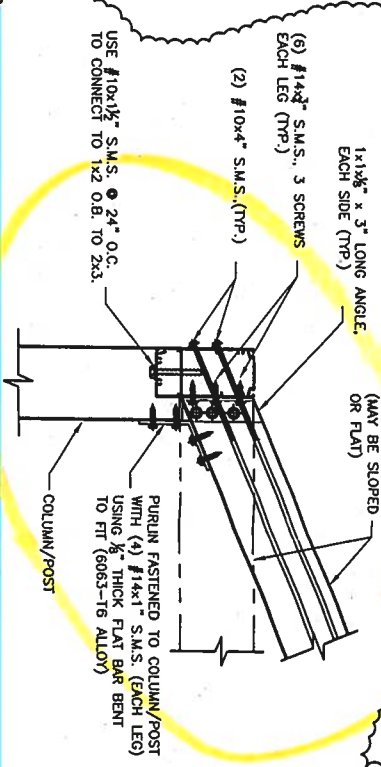
SCREEN ROOF TO PANEL/COMPOSITE
COLUMN TO FOUNDATION
CONNECTION DETAIL



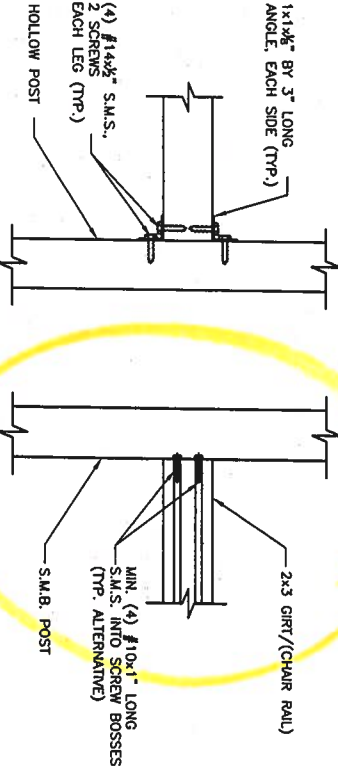
MAIN POST / COLUMN TO ROOF BEAM
CONNECTION DETAIL



SIDEWALL POST / COLUMN TO PURLIN
CONNECTION DETAIL



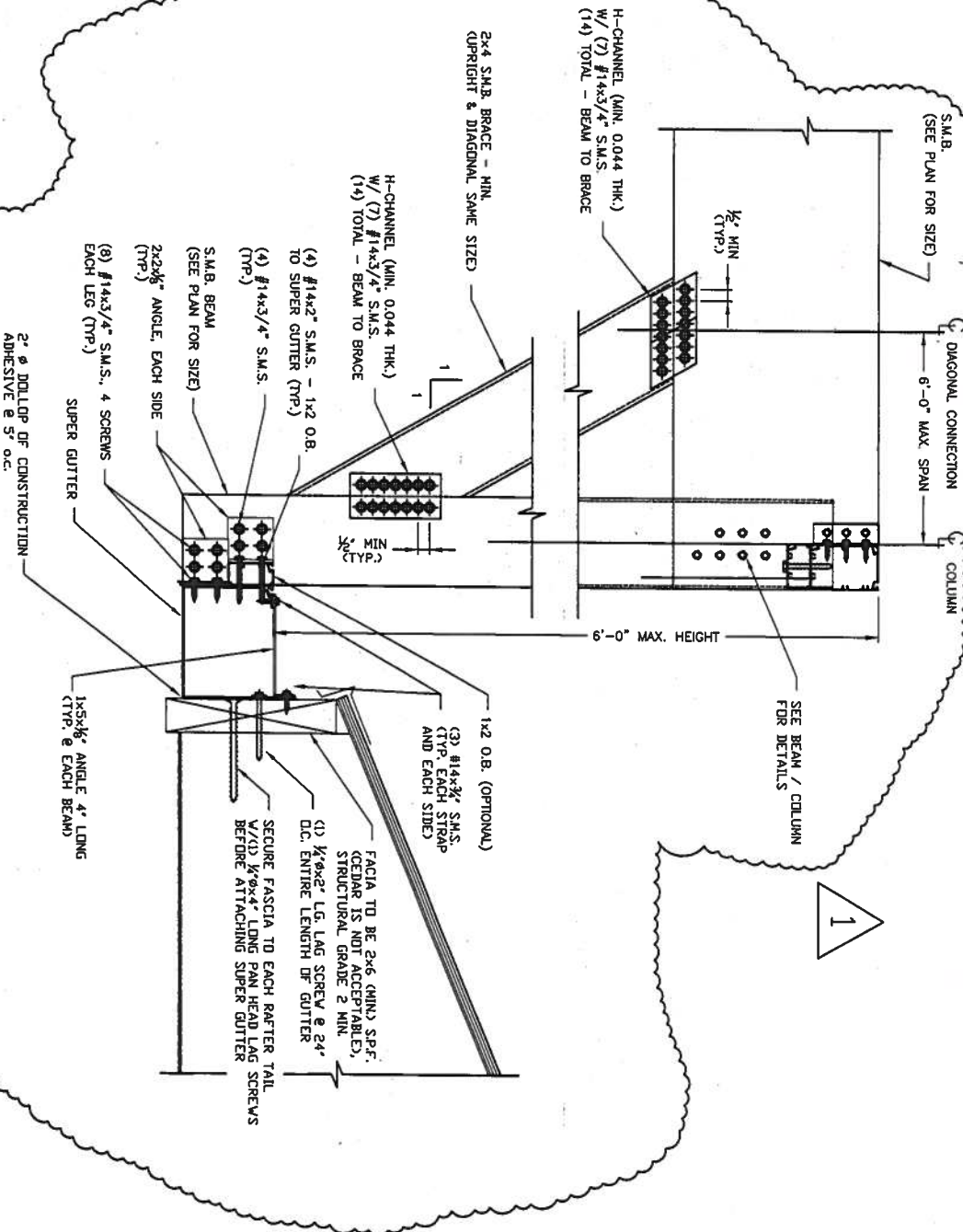
CHAIR RAIL / GIRT TO POST
CONNECTION DETAIL



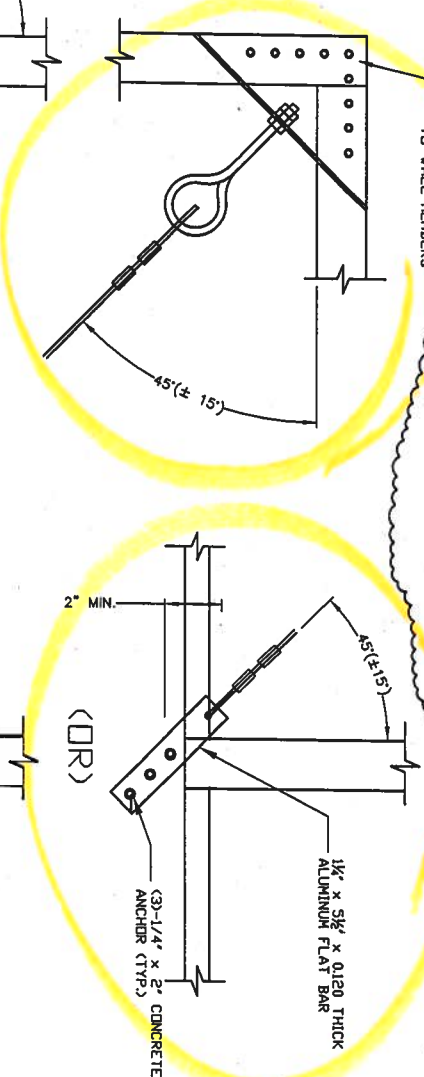
General Notes and Specifications:

- 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 $f'c \geq 2500$ 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/hickplate 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.

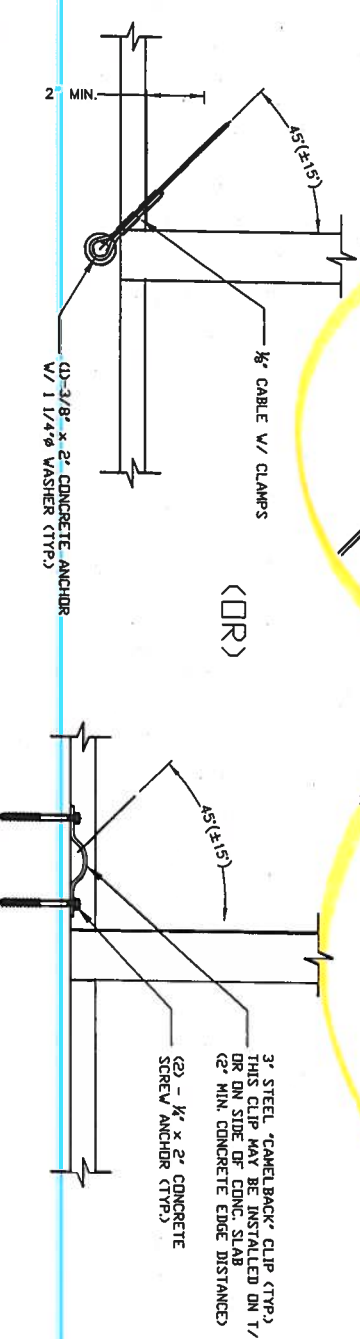
C-1022 Low Carbon Steel SMS & Self-Drilling (TEX) Screws (Industry Standard Screws)			
Screw	Nominal Screw Diameter (in)	Minimum Edge Distance	Minimum Center to Center Distance
#10	0.188	$\frac{1}{4}"$	$\frac{1}{2}"$
#12	0.219	$\frac{3}{8}"$	$\frac{3}{4}"$
#14 (1 1/4")	0.250	$\frac{1}{2}"$	$\frac{3}{4}"$
- 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, G_{CF} , 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. Specific evaluation by the engineer of record.
- 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.



NON-GABLE ROOF TRANSOM (RISER) WALL CONNECTION DETAIL



CABLE BRACE DETAIL



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'

Beam Stitching Screw for all Legacy S.M.B.'s (NOT FOR TRAC BEAMS)	
Beam Size	Beam Stitching 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
CONSULTING
STRUCTURAL
ENGINEERS

3300 Henderson Blvd., Suite 106
Tampa, FL 33609
Tel: (813) 874-5900
Fax: (813) 874-5959

Rev/Date	Description
005 2008	ISSUED
1001 2008	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.
F.A. REG. NUMBER 49497
DO KIM & ASSOCIATES, LLC
CA#46887
3800 HENDERSON BLVD.,
SUITE 106
Tampa, FL 33604

Fax: (813) 874-5959

Rev./Date	Description
0 9/05 2006	ISSUED
1 10/9 2006	ADDED MANSARD SPICE CONNECTION

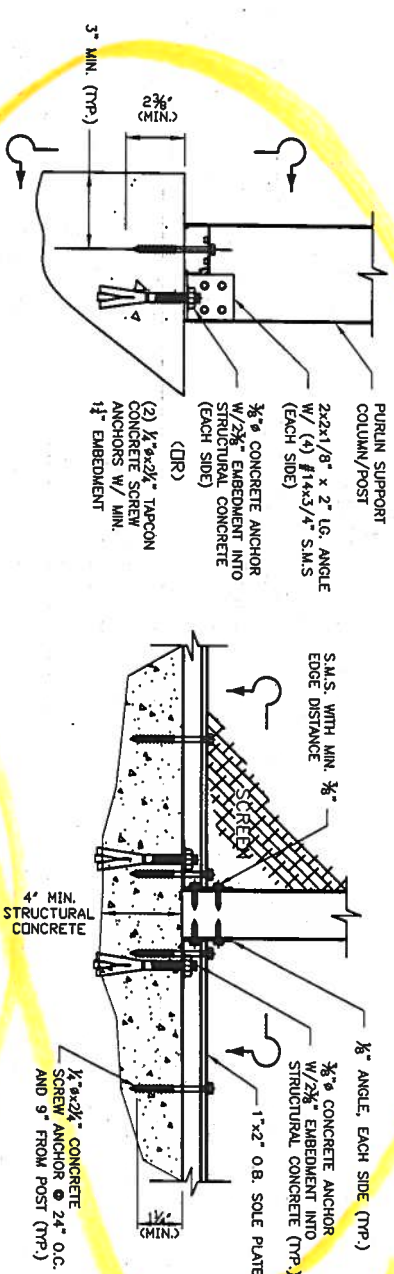
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CLIENT: Florida Pool Enclosures, INC
DESCRIPTION:
Screen Enclosure Details

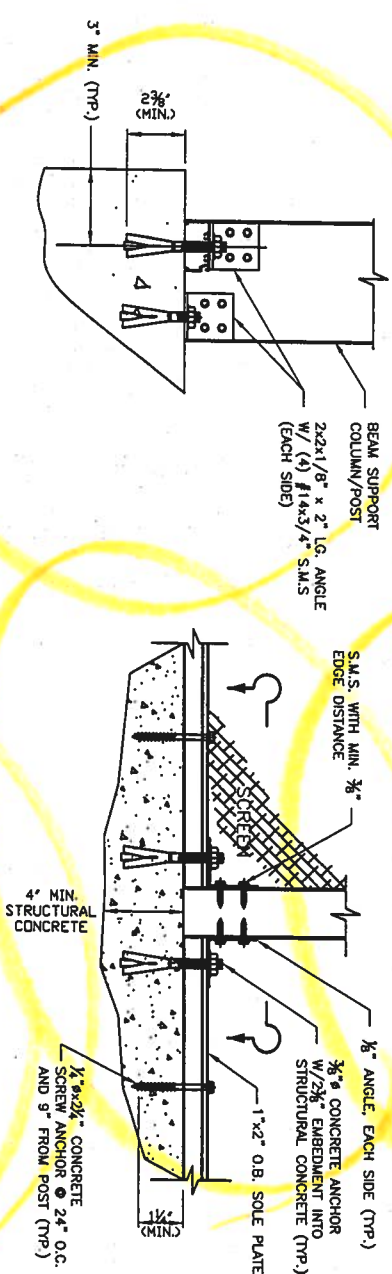
DRAWN BY:	DYK
CHECKED BY:	DYK
SCALE:	AS SHOWN
DATE:	9/05/06

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

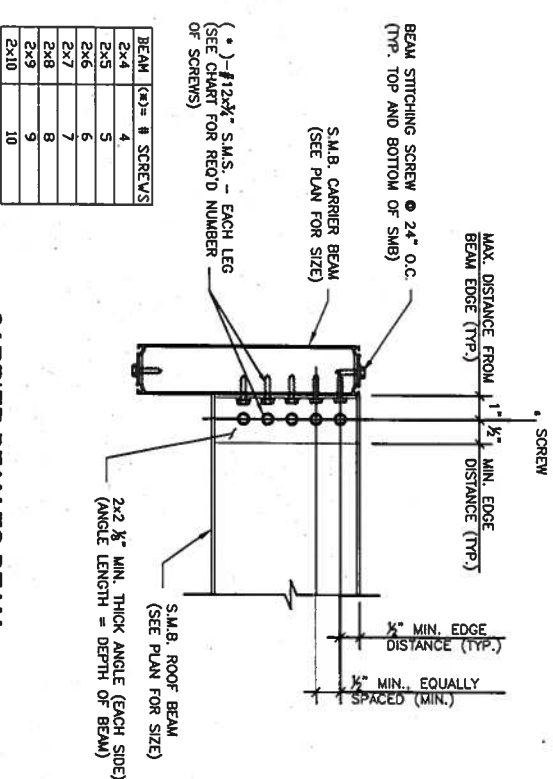
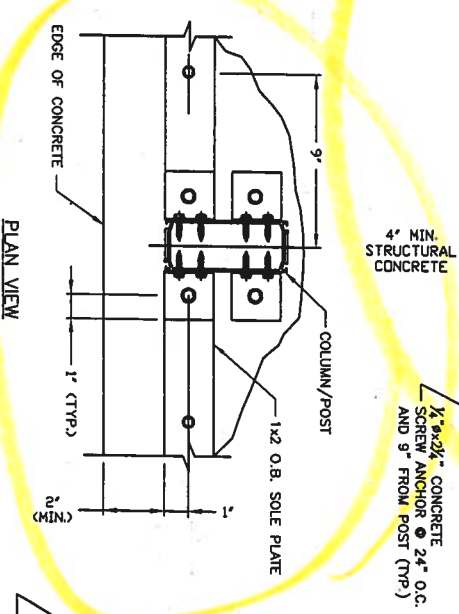
Drawing No. - 060905



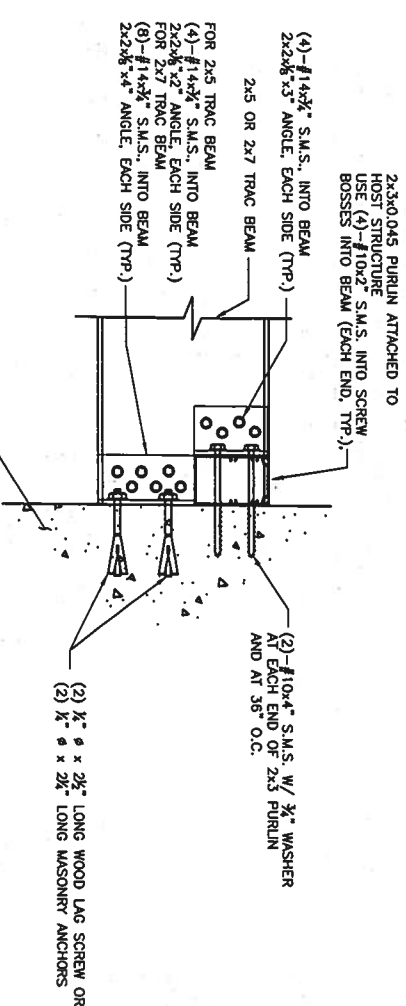
SIDEWALL COLUMN TO FOUNDATION CONNECTION DETAIL



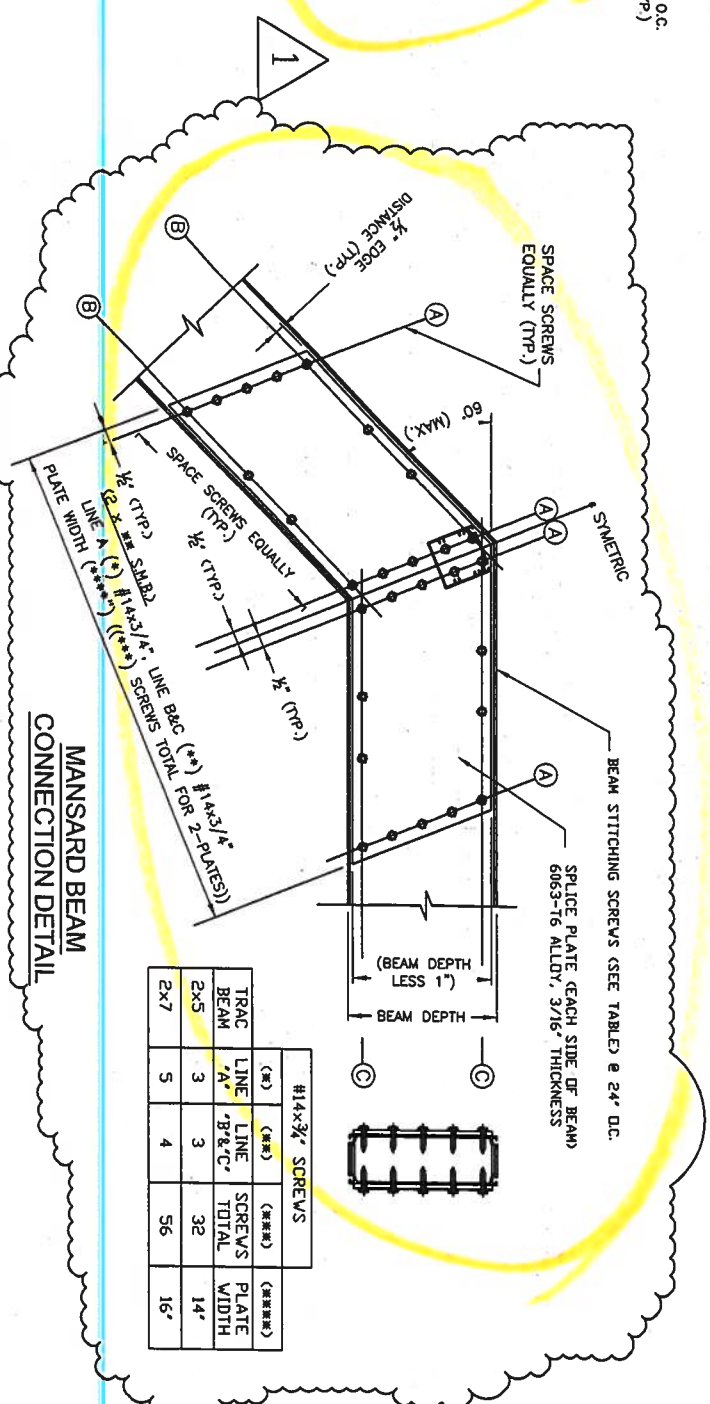
MAIN COLUMN TO FOUNDATION CONNECTION DETAIL



CARRIER BEAM TO BEAM CONNECTION DETAIL



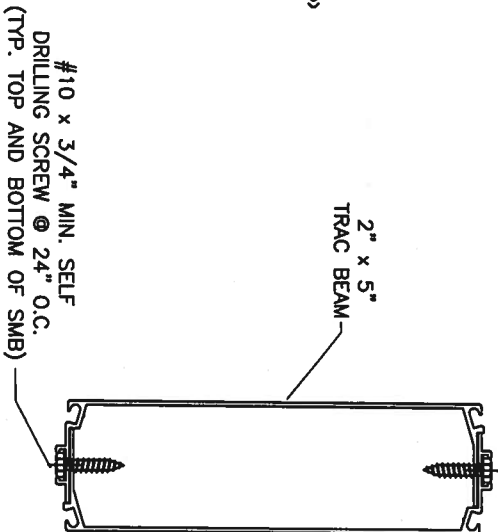
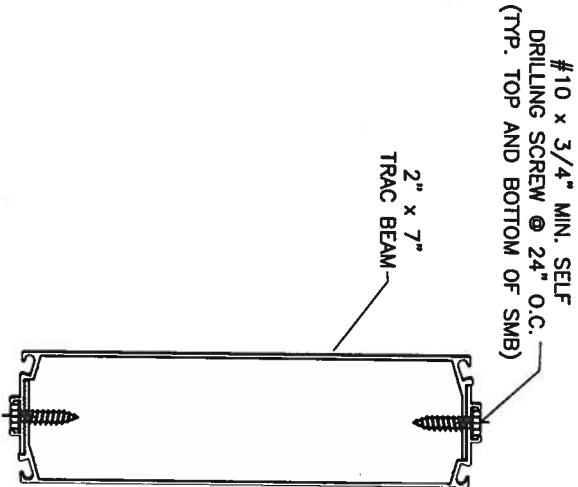
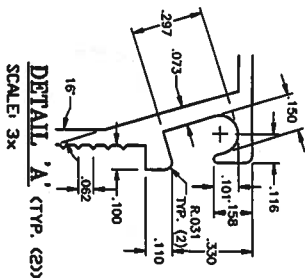
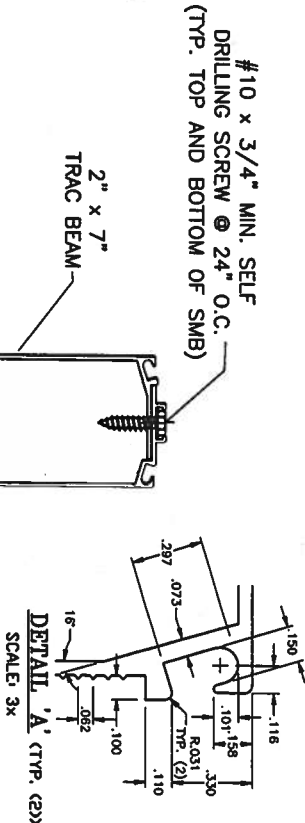
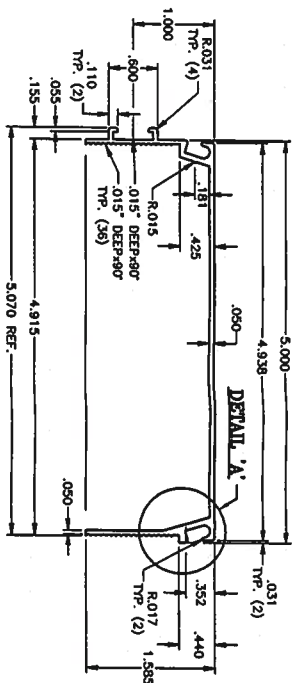
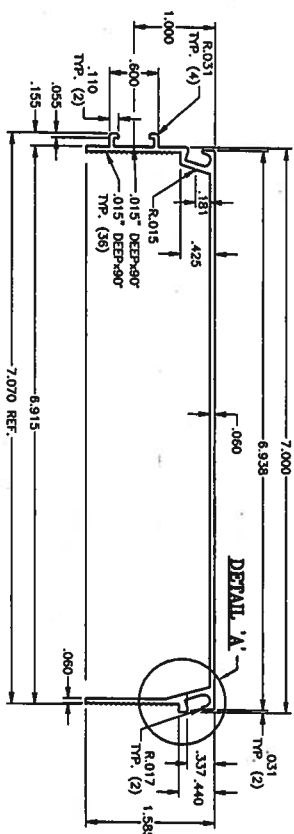
BEAM TO HOST STRUCTURE DETAIL



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

CONSULTING STRUCTURAL ENGINEERS

3300 Henderson Blvd., Suite 106
Tampa, FL 33609
Tel: (813) 874-5900
Fax: (813) 874-5969

Rev/Date	Description
906 2006	ISSUED

△	
△	
△	
△	

CLIENT: Florida Pool Enclosures, INC

DESCRIPTION:
Screen Enclosure Details

DRAWN BY:	DYK
CHECKED BY:	DYK
SCALE:	AS SHOWN
DATE:	9/25/06

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

DO KIM & ASSOCIATES, LLC
C/O# 18887
SUITE 106
Tampa, FL 33664

Drawing No. - 060905

DO KIM
& ASSOCIATES, LLC
CONSULTING
STRUCTURAL
ENGINEERS

3300 Henderson Blvd., Suite 106
Tampa, FL 33609
Tel: (813) 874-5900
Fax: (813) 874-5959

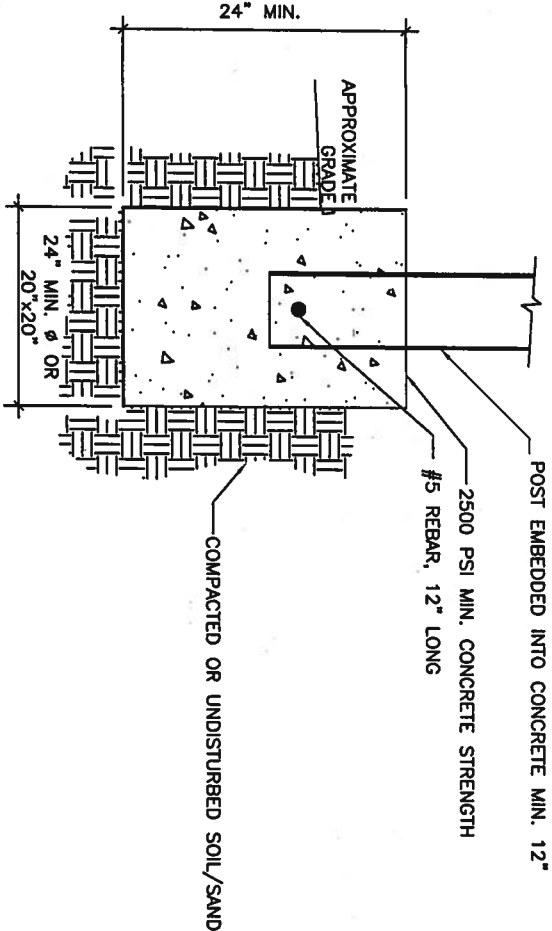
Rev/Date	Description
905 2006	ISSUED

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

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

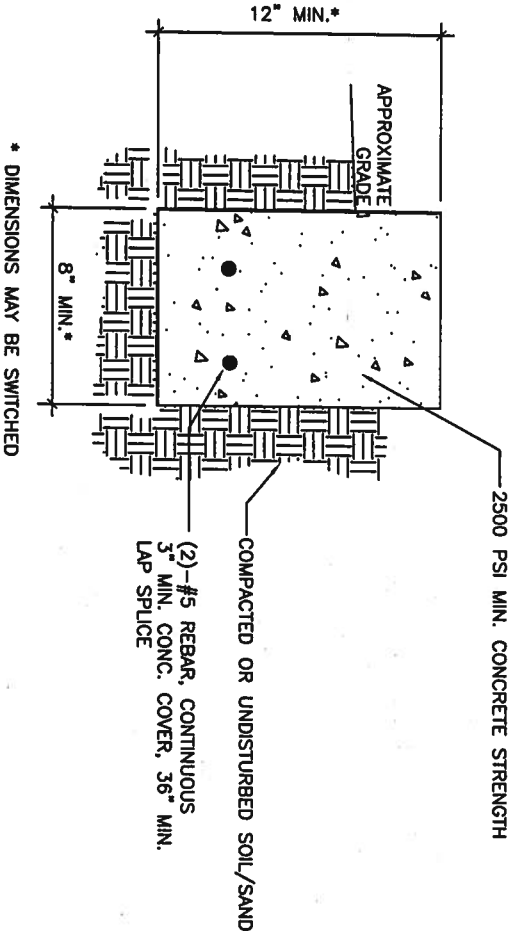
DO YEON KIM, P.E.
FLA. REG. NUMBER 49497
DO KIM & ASSOCIATES, LLC
CA# 28887
3300 HENDERSON BLVD.,
SUITE 106
Tampa, FL 33684

Drawing No. - 060905

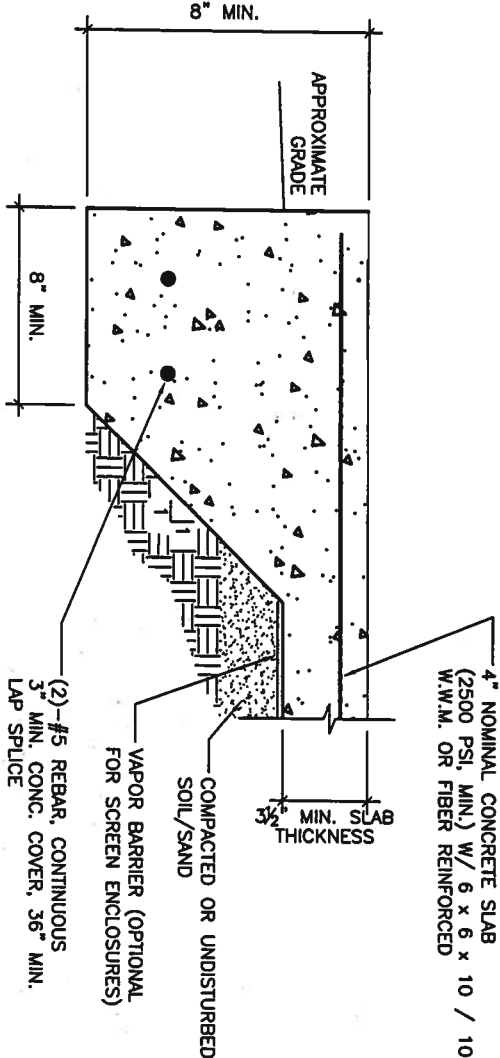


STANDARD TYP. ISOLATED FOOTER

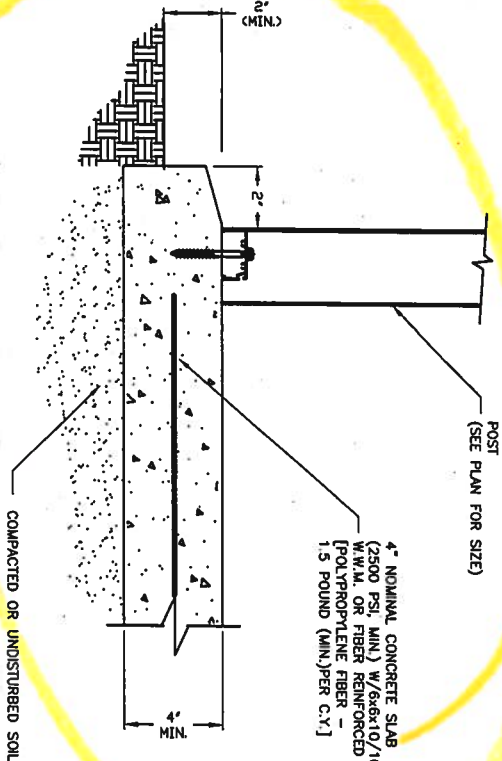
STANDARD TYP. CONTINUOUS PERIMETER FOOTING
(MAX. POOL ENCLOSURE ROOF SPAN OF 50')

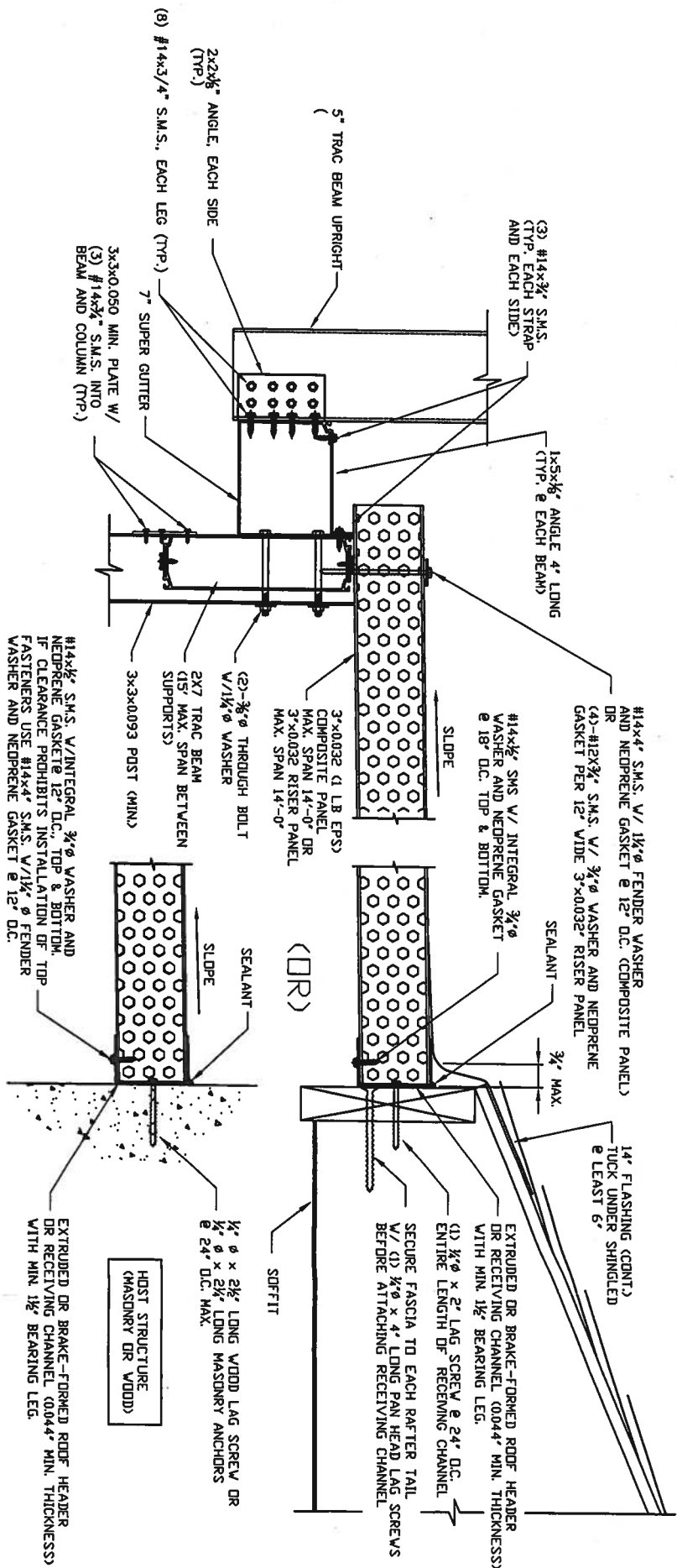


STANDARD TYP. TURNDOWN SLAB FOOTING
(MAX. POOL ENCLOSURE ROOF SPAN OF 50')



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





SCREEN ROOF TO
PANEL OR COMPOSITE ROOF
CONNECTION DETAIL

DO KIM
& ASSOCIATES, LLC
**CONSULTING
STRUCTURAL
ENGINEERS**

3300 Henderson Blvd., Suite 108
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. NUMBER 49497
DO KIM & ASSOCIATES, LLC
C/O 26887
3300 HENDERSON BLVD.,
SUITE 108
Tampa, FL 33604