

DATE 08/03/2011

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000029593

APPLICANT NADEAN MCINTOSH PHONE 386.754.8678
ADDRESS 289 NW CORINTH DRIVE LAKE CITY FL 32024
OWNER STEPHEN L. GILLILAND PHONE 386.755.5957
ADDRESS 370 SW THURMAN TERRACE LAKE CITY FL 32024
CONTRACTOR MICHAEL DELAHOZ PHONE 386.754.8678
LOCATION OF PROPERTY 47-S, TR ON 242, TR ON THURMAN TERRACE AN IT'S THE 8TH HOME ON L.
TYPE DEVELOPMENT POOL ENCLOSURE ESTIMATED COST OF CONSTRUCTION 6994.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT REAR SIDE
NO. EX.D.U. 1 FLOOD ZONE DEVELOPMENT PERMIT NO.

PARCEL ID 24-4S-16-03116-015 SUBDIVISION PICCADILLY PARK
LOT 3 BLOCK E PHASE UNIT TOTAL ACRES 0.66

SCC056689
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING BLK HD N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE.

Check # or Cash 4083

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Insulation date/app. by
Rough-in plumbing above slab and below wood floor date/app. by Electrical rough-in date/app. by
Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by Pool date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by
Reconnection date/app. by RV date/app. by Re-roof date/app. by

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 FEE 85.00
INSPECTORS OFFICE CLERKS OFFICE

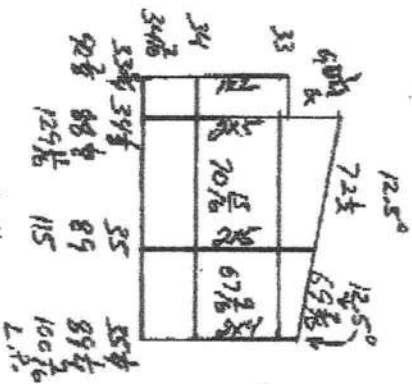
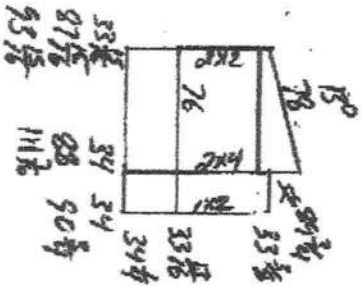
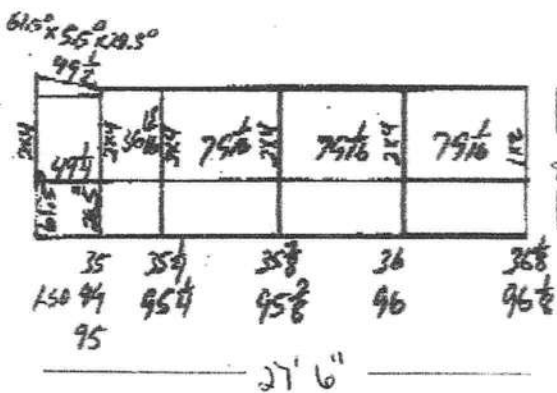
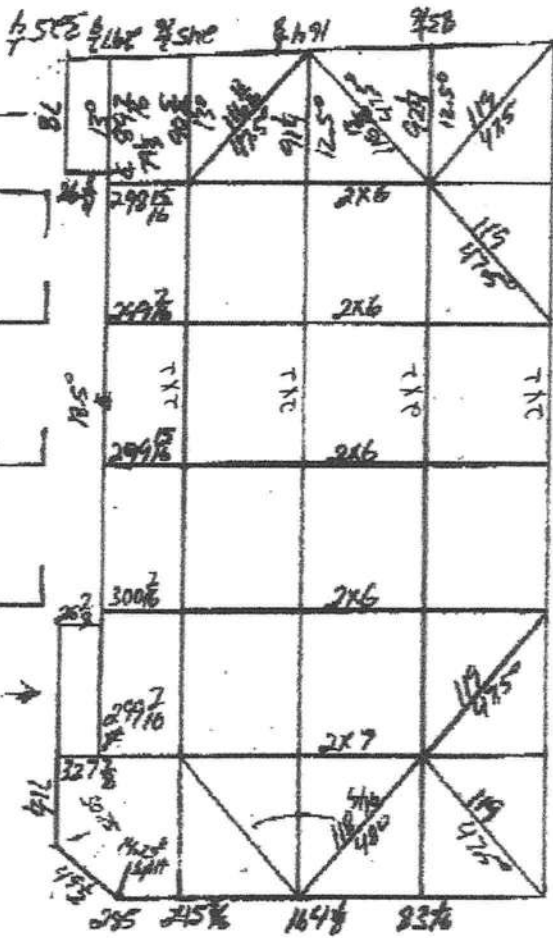
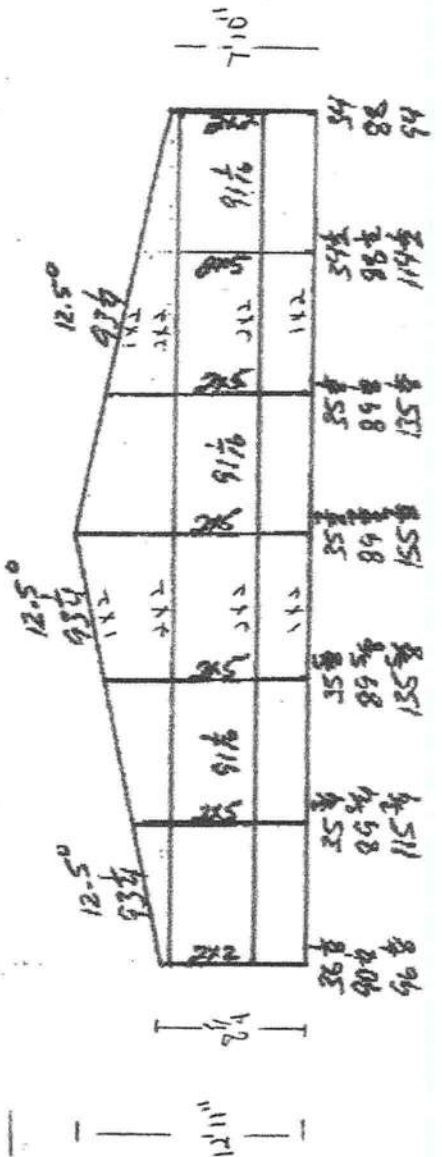
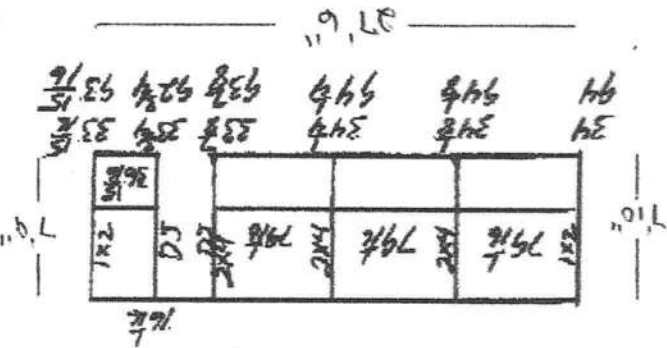
NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES,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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

A diagram showing a corner formed by two lines meeting at a vertex. The interior angles are labeled: 35.5, 35.5, 142.5, and 90.



Columbia County Building Permit Application

#4083

For Office Use Only	Application #	1107-56	Date Received	7-26-11	By	UH	Permit #	29593	
Zoning Official	BLK	Date	1 Aug. 2011	Flood Zone	N/A	Land Use	REC L-Dev	Zoning	RSF-2
FEMA Map #	N/A	Elevation	N/A	MFE	N/A	River	N/A	Plans Examiner	HD
Date 7-28-11									
Comments									
<input checked="" type="checkbox"/> NOC <input checked="" type="checkbox"/> EH <input checked="" type="checkbox"/> Deed or PA <input checked="" type="checkbox"/> Site Plan <input checked="" type="checkbox"/> State Road Info <input checked="" type="checkbox"/> Well letter <input checked="" type="checkbox"/> 911 Sheet <input type="checkbox"/> Parent Parcel #									
<input type="checkbox"/> Dev Permit # <input type="checkbox"/> In Floodway <input type="checkbox"/> Letter of Auth. from Contractor <input checked="" type="checkbox"/> F W Comp. letter									
IMPACT FEES: EMS _____ Fire _____ Corr _____ Sub VF Form <input checked="" type="checkbox"/>									
Road/Code _____ School _____ = TOTAL (Suspended) <input checked="" type="checkbox"/> App Fee Paid									

Septic Permit No. N/A Fax 386-755-1751Name Authorized Person Signing Permit Robert or Madean McIntosh Phone 386-754-2678Address 289 NW Corinth Dr Lake City FL 32055Owners Name Gilliland, Stephen Phone _____911 Address 370 SW Thurman Terr Lake City, FL 32024Contractors Name Michael DelaHoz Phone 386-754-8678Address 927 Hickory St. Altamonte Springs FL 32701Fee Simple Owner Name & Address N/ABonding Co. Name & Address N/AArchitect/Engineer Name & Address Structural Concepts & Design Altamonte Springs, FL 32714Mortgage Lenders Name & Address N/A

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

Property ID Number 24-48-16-03116-015 Estimated Cost of Construction \$6994.50Subdivision Name AAA Piccadilly Park Lot 3 Block E Unit _____ Phase _____Driving Directions S 47, Right on 242, Right on SW Thurman Terr,8th House on left.Number of Existing Dwellings on Property 1Construction of Pool Enclosure Total Acreage 0.667 Lot Size _____Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____Actual Distance of Structure from Property Lines - Front 117' Side 50' Side 50' Rear 30'Number of Stories 1 Heated Floor Area _____ Total 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. **CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.**

Page 1 of 2 (Both Pages must be submitted together.)

Revised 1-11

#4083

JW LHM on 8.2.11

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature (Permitee)

Contractor's License Number SCC056689
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 20th day of July 20 11.

Personally known _____ or Produced Identification Photo

State of Florida Notary Signature (For the Contractor)

SEAL:



NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

24-45-16-03116-015

Clerk's Office Stamp

Inst 201112011266 Date 7/26/2011 Time 9 15 AM
DC, P. DeWitt Cason Columbia County Page 1 of 1 B:1218 P 1119

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): AKA Lot 3 BIKE Piccadilly Park S/D
a) Street (job) Address: 370 SW Thurman Terr Lake City FL 32024
c) Interest in property: Pool Enclosure
2. General description of improvements: Pool Enclosure
3. Owner Information
a) Name and address: Gilliland, Stephen
b) Name and address of fee simple titleholder (if other than owner): 370 SW Thurman Terr LC 32024
c) Interest in property: owner
4. Contractor Information
a) Name and address: Michael DelaHoz
b) Telephone No.: 386-754-8678 Fax No. (Opt.): _____
5. Surety Information
a) Name and address: N/A
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.): _____
6. Lender
a) Name and address: N/A
b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: N/A
b) Telephone No.: _____ Fax No. (Opt.): _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(f)(b), Florida Statutes:
a) Name and address: Florida Pool Enclosure 286 NW Corinth Dr LC 32055
b) Telephone No.: 386-754-8678 Fax No. (Opt.): _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10

Stephen I. Gilliland

Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

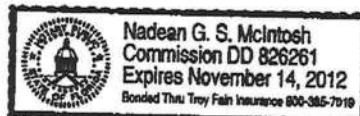
Stephen Gilliland

Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 12th day of July, 2011, by:
_____ as _____ (type of authority, e.g. officer, trustee, attorney
fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification ☒ Type Photo

Notary Signature Nadean G. S. McIntosh Notary Stamp or Seal:



11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Natural Person Signing (in line #10 above.)



COLUMBIA COUNTY BUILDING DEPARTMENT

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

CHECKLIST FOR PERMITTING

Revised (1/11)

- ✓ **Completed Permit Application with owner's signature & notarized contractor's signature + \$15.00**
Notes:
- Completed Subcontractors Verification Form, Submitted prior to permit issuance.**
Notes:
- If an Owner Builder, Notarized Disclosure Statement (Owner Builders must sign for the Permit)**
Notes:
- ✓ **Recorded Deed or a Notarized Affidavit (form from the Building Dept.)**
Notes:
- Approved and Signed Site Plan from Environmental Health on the septic 386-758-1058**
Notes:
- ✓ **Site plan with actual distances of the structure to each property line**
Notes:
- ✓ **911 Address form, Contact 386-752-8787 for an appointment, their application in packet.**
Notes:
- Residential or Commercial Checklist completed including specs on windows, doors, roof and etc. and/or Product Approval Code sheet (Included in the packet from the Building Dept.)**
Notes:
- ✓ **Driving directions including all road names**
Notes:
- Well information (on plans or letter from the well driller)**
Notes:
- Before the 1st inspection Recorded (Clerks Office) Notice of Commencement signed by owner**
Notes:
- ✓ **2 sets of plans (blueprints) folded to 9 x 12 size & Sealed Engineering**
Notes:
- 2 sets of sealed truss engineering**
Notes:
- 2 sets of energy code & manual J forms**
Notes:

There are two pages to the Building Permit Application that must be submitted with the required signatures for the Owner and the Notarized Contractor's signature.

Application Fee is \$15.00. Make checks payable to BCC or Board of County Commissioners.

Columbia County Property Appraiser

DB Last Updated: 6/22/2011

2010 Tax Year

Parcel: 24-4S-16-03116-015

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

<< Next Lower Parcel

Next Higher Parcel >>

Interactive GIS Map

Print

Owner & Property Info

<< Prev

Search Result: 2 of 3

Next >>

Owner's Name	GILLILAND STEPHEN L & LILLIAN		
Mailing Address	370 SW THURMAN TERRACE LAKE CITY, FL 32024		
Site Address	370 SW THURMAN TER		
Use Desc. (code)	SINGLE FAM (000100)		
Tax District	2 (County)	Neighborhood	24416
Land Area	0.667 ACRES	Market Area	06
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		
COMM INTERS OF S LINE OF SW1/4 & W LINE OF JAMES ST, RUN N 153.75 FT TO POB, RUN N 170.67 FT, W 170 FT, S 170.67 FT, E 170 FT TO POB. (AKA LOT 3 BLK E PICCADILLY PARK S/D UNREC) ORB 525-769, 721-406			

**Property & Assessment Values**

2010 Certified Values		
Mkt Land Value	cnt: (0)	\$16,605.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (1)	\$97,321.00
XFOB Value	cnt: (4)	\$9,510.00
Total Appraised Value		\$123,436.00
Just Value		\$123,436.00
Class Value		\$0.00
Assessed Value		\$105,165.00
Exempt Value	(code: HX)	\$50,000.00
Total Taxable Value		Cnty: \$55,165 Other: \$55,165 Schl: \$80,165

2011 Working Values**NOTE:**

2011 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
4/27/1990	721/406	WD	I	Q		\$93,000.00
4/1/1986	599/394	WD	I	Q		\$82,000.00
12/1/1983	525/769	WD	I	Q		\$75,800.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1983	AVERAGE (05)	2381	3317	\$95,767.00
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	0	\$1,000.00	0000001.000	0 x 0 x 0	(000.00)
0190	FPLC PF	0	\$1,200.00	0000001.000	0 x 0 x 0	(000.00)
0280	POOL R/CON	1983	\$6,758.00	0000512.000	32 x 16 x 0	(000.00)
0169	FENCE/WOOD	1993	\$552.00	0000184.000	0 x 0 x 0	AP (060.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1 LT - (0000000.667AC)	1.00/1.00/1.00/1.00	\$16,605.00	\$16,605.00

Columbia County Property Appraiser

DB Last Updated: 6/22/2011

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2 of 3

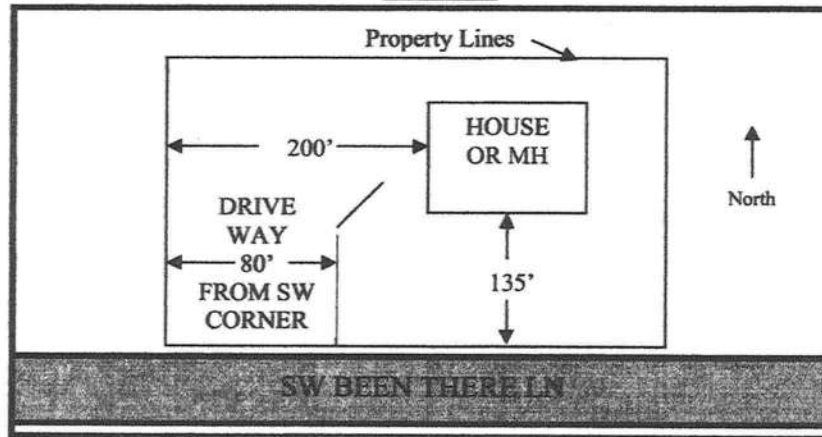
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DISCLAIMER

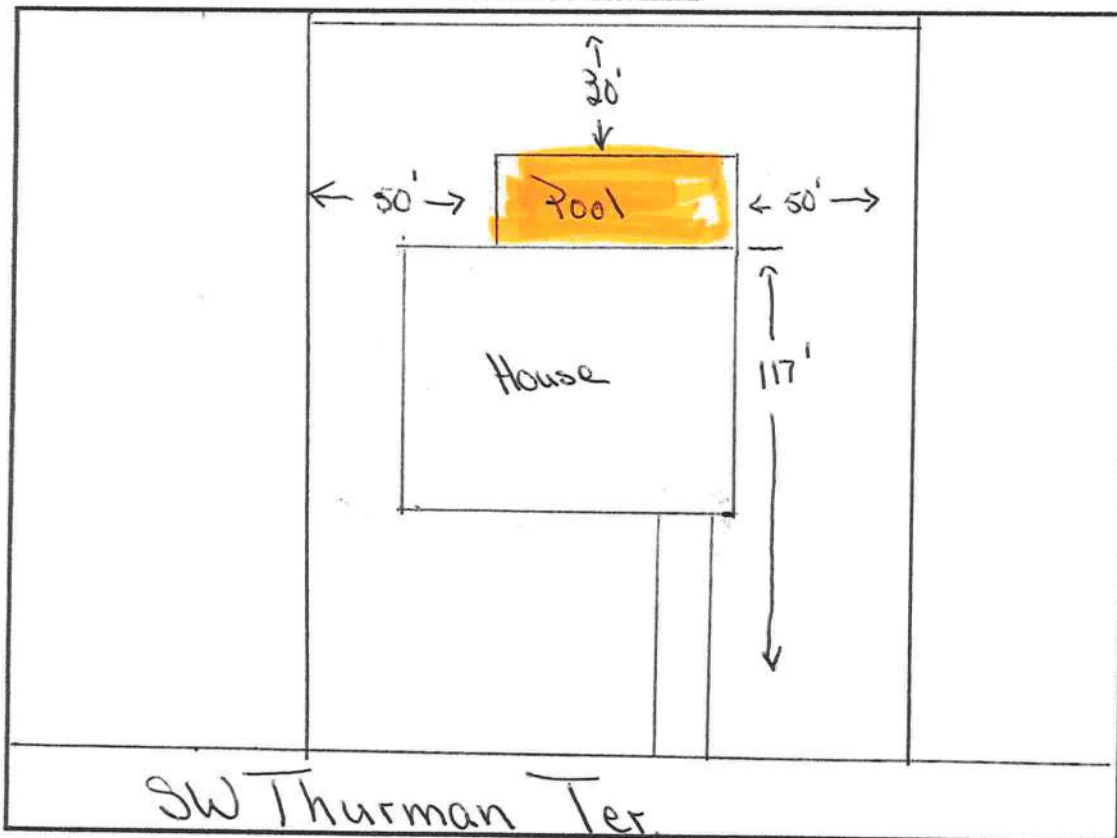
Gilliland, Stephen
370 SW Thurman Terr LC 32024

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

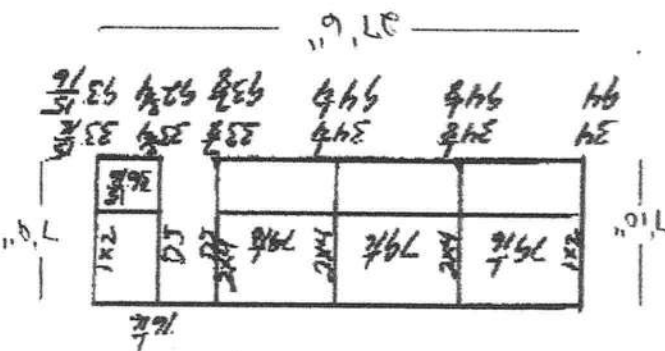
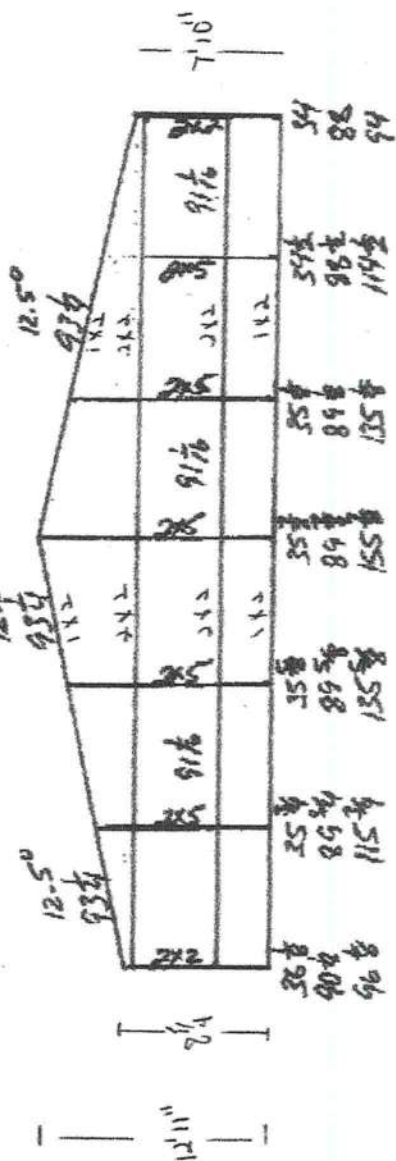
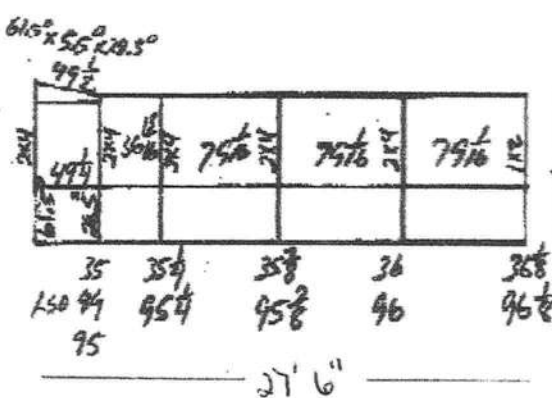
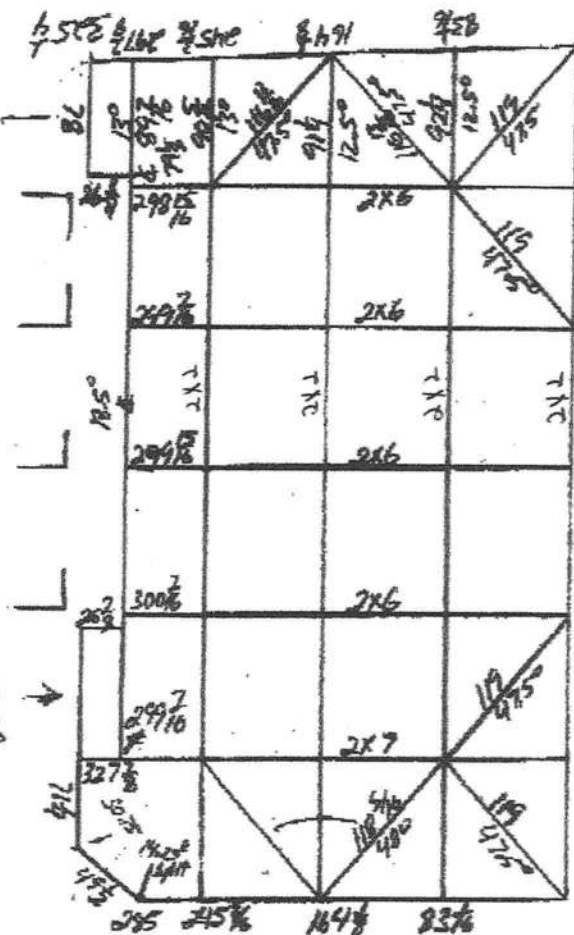
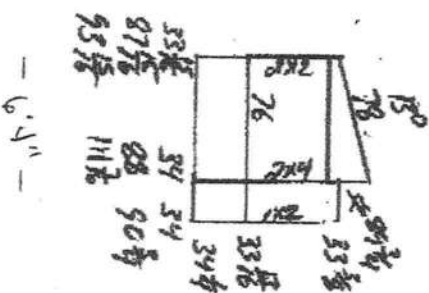
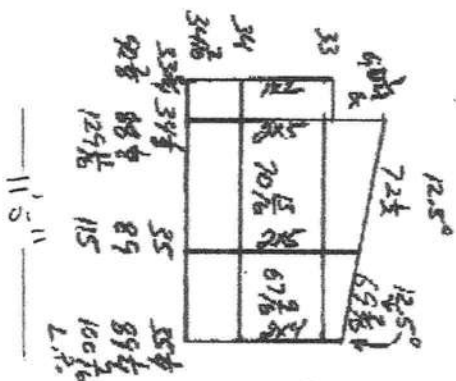
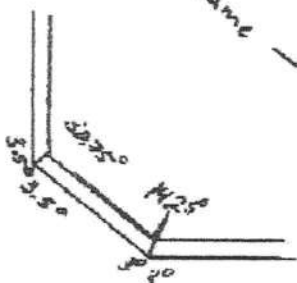
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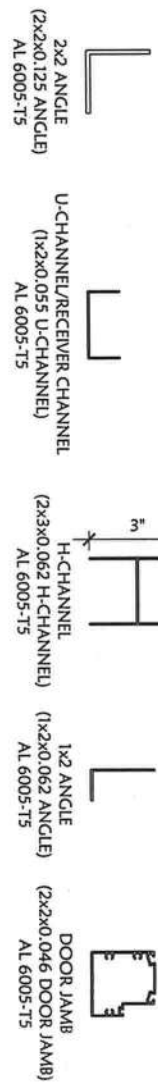
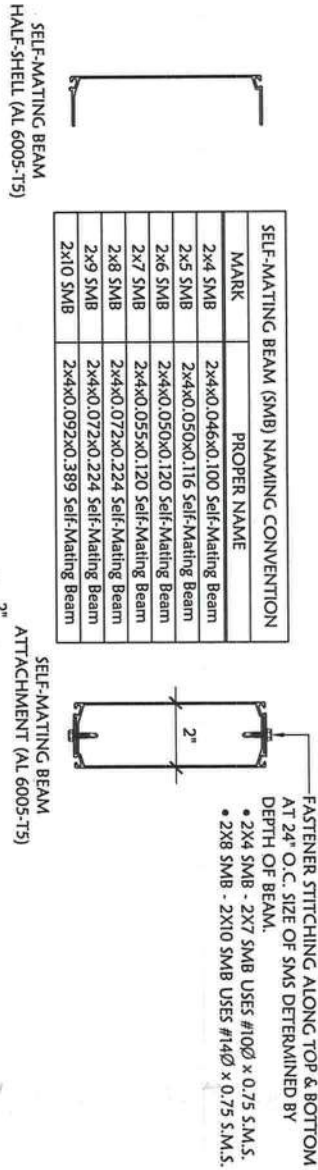
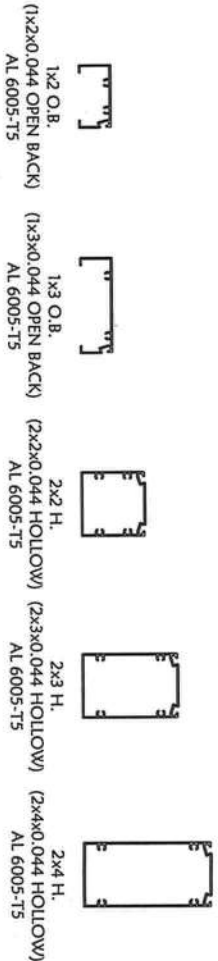


SITE PLAN BOX:



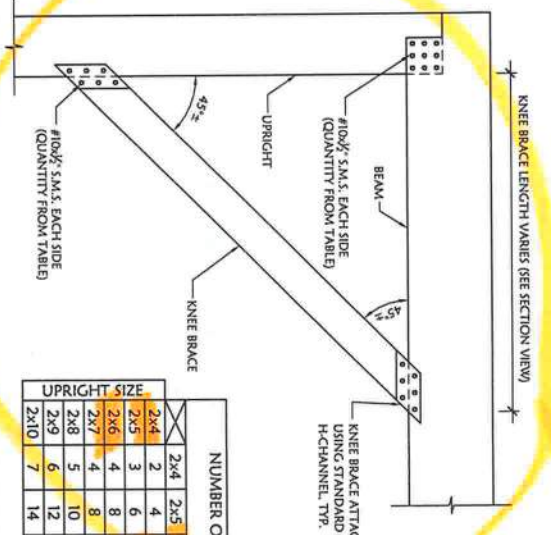
Gilliland





SELF-MATING BEAM (SMB) NAMING CONVERSION

COLUMN SCHEDULE										
TRIBUTARY WIDTH	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
COLUMN MEMBER TYPE										
2x2 H	6.2	5.8	5.5	5.1	4.8	4.6	4.2	3.9	3.3	
2x3 H	8.1	7.8	7.3	6.9	6.7	6.4	6.1	5.9	5.5	
2x4 H	9.0	8.7	8.2	7.8	7.4	7.0	6.8	6.1	5.8	
2x4 SMB	13.9	13.1	12.4	11.8	11.3	10.9	10.5	10.1	9.8	
2x5 SMB	17.2	16.2	15.3	14.6	14.0	13.5	13.0	12.5	12.1	
2x6 SMB	19.6	18.5	17.6	16.7	16.0	15.4	14.8	14.3	13.9	
2x7 SMB	22.0	20.7	19.7	18.8	18.0	17.3	16.6	16.1	15.5	
2x8 SMB	30.3	28.9	27.4	26.1	25.0	24.0	23.2	22.4	21.7	
2x9 SMB	36.0	34.6	33.2	31.6	30.3	29.1	28.0	27.1	26.2	
2x10 SMB	41.5	39.9	38.5	37.0	35.4	34.0	32.6	31.7	30.7	
2x11 SMB	48.2	47.1	46.1	45.1	44.1	43.1	42.1	41.1	40.1	
2x12 SMB	54.2	52.8	51.6	50.6	49.7	48.9	48.2	47.4	46.7	
2x13 SMB	60.2	58.9	57.9	56.9	56.0	55.1	54.2	53.4	52.7	
2x14 SMB	66.2	64.9	63.9	62.9	62.0	61.1	60.2	59.4	58.7	
2x15 SMB	72.2	70.9	69.9	68.9	68.0	67.1	66.2	65.4	64.7	
2x16 SMB	78.2	76.9	75.9	74.9	74.0	73.1	72.2	71.4	70.7	
2x17 SMB	84.2	82.9	81.9	80.9	80.0	79.1	78.2	77.4	76.7	
2x18 SMB	90.2	88.9	87.9	86.9	86.0	85.1	84.2	83.4	82.7	
2x19 SMB	96.2	94.9	93.9	92.9	92.0	91.1	90.2	89.4	88.7	
2x20 SMB	102.2	100.9	99.9	98.9	98.0	97.1	96.2	95.4	94.7	
2x21 SMB	108.2	106.9	105.9	104.9	104.0	103.1	102.2	101.4	100.7	
2x22 SMB	114.2	112.9	111.9	110.9	110.0	109.1	108.2	107.4	106.7	
2x23 SMB	120.2	118.9	117.9	116.9	116.0	115.1	114.2	113.4	112.7	
2x24 SMB	126.2	124.9	123.9	122.9	122.0	121.1	120.2	119.4	118.7	
2x25 SMB	132.2	130.9	129.9	128.9	128.0	127.1	126.2	125.4	124.7	
2x26 SMB	138.2	136.9	135.9	134.9	134.0	133.1	132.2	131.4	130.7	
2x27 SMB	144.2	142.9	141.9	140.9	140.0	139.1	138.2	137.4	136.7	
2x28 SMB	150.2	148.9	147.9	146.9	146.0	145.1	144.2	143.4	142.7	
2x29 SMB	156.2	154.9	153.9	152.9	152.0	151.1	150.2	149.4	148.7	
2x30 SMB	162.2	160.9	159.9	158.9	158.0	157.1	156.2	155.4	154.7	
2x31 SMB	168.2	166.9	165.9	164.9	164.0	163.1	162.2	161.4	160.7	
2x32 SMB	174.2	172.9	171.9	170.9	170.0	169.1	168.2	167.4	166.7	
2x33 SMB	180.2	178.9	177.9	176.9	176.0	175.1	174.2	173.4	172.7	
2x34 SMB	186.2	184.9	183.9	182.9	182.0	181.1	180.2	179.4	178.7	
2x35 SMB	192.2	190.9	189.9	188.9	188.0	187.1	186.2	185.4	184.7	
2x36 SMB	198.2	196.9	195.9	194.9	194.0	193.1	192.2	191.4	190.7	
2x37 SMB	204.2	202.9	201.9	200.9	200.0	199.1	198.2	197.4	196.7	
2x38 SMB	210.2	208.9	207.9	206.9	206.0	205.1	204.2	203.4	202.7	
2x39 SMB	216.2	214.9	213.9	212.9	212.0	211.1	210.2	209.4	208.7	
2x40 SMB	222.2	220.9	219.9	218.9	218.0	217.1	216.2	215.4	214.7	
2x41 SMB	228.2	226.9	225.9	224.9	224.0	223.1	222.2	221.4	220.7	
2x42 SMB	234.2	232.9	231.9	230.9	230.0	229.1	228.2	227.4	226.7	
2x43 SMB	240.2	238.9	237.9	236.9	236.0	235.1	234.2	233.4	232.7	
2x44 SMB	246.2	244.9	243.9	242.9	242.0	241.1	240.2	239.4	238.7	
2x45 SMB	252.2	250.9	249.9	248.9	248.0	247.1	246.2	245.4	244.7	
2x46 SMB	258.2	256.9	255.9	254.9	254.0	253.1	252.2	251.4	250.7	
2x47 SMB	264.2	262.9	261.9	260.9	260.0	259.1	258.2	257.4	256.7	
2x48 SMB	270.2	268.9	267.9	266.9	266.0	265.1	264.2	263.4	262.7	
2x49 SMB	276.2	274.9	273.9	272.9	272.0	271.1	270.2	269.4	268.7	
2x50 SMB	282.2	280.9	279.9	278.9	278.0	277.1	276.2	275.4	274.7	
2x51 SMB	288.2	286.9	285.9	284.9	284.0	283.1	282.2	281.4	280.7	
2x52 SMB	294.2	292.9	291.9	290.9	290.0	289.1	288.2	287.4	286.7	
2x53 SMB	300.2	298.9	297.9	296.9	296.0	295.1	294.2	293.4	292.7	
2x54 SMB	306.2	304.9	303.9	302.9	302.0	301.1	300.2	299.4	298.7	
2x55 SMB	312.2	310.9	309.9	308.9	308.0	307.1	306.2	305.4	304.7	
2x56 SMB	318.2	316.9	315.9	314.9	314.0	313.1	312.2	311.4	310.7	
2x57 SMB	324.2	322.9	321.9	320.9	320.0	319.1	318.2	317.4	316.7	
2x58 SMB	330.2	328.9	327.9	326.9	326.0	325.1	324.2	323.4	322.7	
2x59 SMB	336.2	334.9	333.9	332.9	332.0	331.1	330.2	329.4	328.7	
2x60 SMB	342.2	340.9	339.9	338.9	338.0	337.1	336.2	335.4	334.7	
2x61 SMB	348.2	346.9	345.9	344.9	344.0	343.1	342.2	341.4	340.7	
2x62 SMB	354.2	352.9	351.9	350.9	350.0	349.1	348.2	347.4	346.7	
2x63 SMB	360.2	358.9	357.9	356.9	356.0	355.1	354.2	353.4	352.7	
2x64 SMB	366.2	364.9	363.9	362.9	362.0	361.1	360.2	359.4	358.7	
2x65 SMB	372.2	370.9	369.9	368.9	368.0	367.1	366.2	365.4	364.7	
2x66 SMB	378.2	376.9	375.9	374.9	374.0	373.1	372.2	371.4	370.7	
2x67 SMB	384.2	382.9	381.9	380.9	380.0	379.1	378.2	377.4	376.7	
2x68 SMB	390.2	388.9	387.9	386.9	386.0	385.1	384.2	383.4	382.7	
2x69 SMB	396.2	394.9	393.9	392.9	392.0	391.1	390.2	389.4	388.7	
2x70 SMB	402.2	400.9	399.9	398.9	398.0	397.1	396.2	395.4	394.7	
2x71 SMB	408.2	406.9	405.9	404.9	404.0	403.1	402.2	401.4	400.7	
2x72 SMB	414.2	412.9	411.9	410.9	410.0	409.1	408.2	407.4	406.7	
2x73 SMB	420.2	418.9	417.9	416.9	416.0	415.1	414.2	413.4	412.7	
2x74 SMB	426.2	424.9	423.9	422.9	422.0	421.1	420.2	419.4	418.7	
2x75 SMB	432.2	430.9	429.9	428.9	428.0	427.1	426.2	425.4	424.7	
2x76 SMB	438.2	436.9	435.9	434.9	434.0	433.1	432.2	431.4	430.7	
2x77 SMB	444.2	442.9	441.9	440.9	440.0	439.1	438.2	437.4	436.7	
2x78 SMB	450.2	448.9	447.9	446.9	446.0	445.1	444.2	443.4	442.7	
2x79 SMB	456.2	454.9	453.9	452.9	452.0	451.1	450.2	449.4	448.7	
2x80 SMB	462.2	460.9	459.9	458.9	458.0	457.1	456.2	455.4	454.7	
2x81 SMB	468.2	466.9	465.9	464.9	464.0	463.1	462.2	461.4	460.7	
2x82 SMB	474.2	472.9	471.9	470.9	470.0	469.1	468.2	467.4	466.7	
2x83 SMB	480.2	478.9	477.9	476.9	476.0	475.1	474.2	473.4	472.7	
2x84 SMB	486.2	484.9	483.9	482.9	482.0	481.1	480.2	479.4	478.7	
2x85 SMB	492.2	490.9	489.9	488.9	488.0	487.1	486.2	485.4	484.7	
2x86 SMB	498.2	496.9	495.9	494.9	494.0	493.1	492.2	491.4	490.7	
2x87 SMB	504.2	502.9	501.9	500.9	500.0	499.1	498.2	497.4	496.7	
2x88 SMB	510.2	508.9	507.9	506.9	506.0	505.1	504.2	503.4	502.7	
2x89 SMB	516.2	514.9	513.9	512.9	512.0	511.1	510.2	509.4	508.7	
2x90 SMB	522.2	520.9	519.9	518.9	518.0	517.1	516.2	515.4	514.7	
2x91 SMB	528.2	526.9	525.9	524.9	524.0	523.1	522.2	521.4	520.7	
2x92 SMB	534.2	532.9	531.9	530.9	530.0	529.1	528.2	527.4	526.7	
2x93 SMB	540.2	538.9	537.9	536.9	536.0	535.1	534.2	533.4	532.7	
2x94 SMB	546.2	544.9	543.9	542.9	542.0	541.1	540.2	539.4	538.7	
2x95 SMB	552.2	550.9	549.9	548.9	548.0	547.1	546.2	545.4	544.7	
2x96 SMB	558.2	556.9	555.9	554.9	554.0	553.1	552.2	551.4	550.7	
2x97 SMB	564.2	562.9	561.9	560.9	560.0	559.1	558.2	557.4	556.7	
2x98 SMB	570.2	568.9	567.9	566.9	566.0	565.1	564.2	563.4	562.7	
2x99 SMB	576.2	574.9	573.9	572.9	572.0	571.1	570.2	569.4	568.7	
2x100 SMB	582.2	580.9	579.9	578.9	578.0	577.1	576.2	575.4	574.7	
2x101 SMB	588.2	586.9	585.9	584.9	584.0	583.1	582.2	581.4	580.7	
2x102 SMB	594.2	592.9	591.9	590.9	590.0	589.1	588.2	587.4	586.7	
2x103 SMB	600.2	598.9	597.9	596.9	596.0	595.1	594.2	593.4	592.7	
2x104 SMB	606.2	604.9	603.9	602.9	602.0	601.1	600.2	599.4	598.7	
2x105 SMB	612.2	610.9	609.9	608.9	608.0	607.1	606.2	605.4	604.7	
2x106 SMB	618.2	616.9	615.9	614.9	614.0	613.1	612.2	611.4	610.7	
2x107 SMB	624.2	622.9	621.9	620.9	620.0	619.1	618.2	617.4	616.7	
2x108 SMB	630.2	628.9	627.9	626.9	626.0	625.1	624.2	623.4	622.7	
2x109 SMB	636.2	634.9	633.9	632.9	632.0	631.1	630.2	629.4	628.7	
2x110 SMB	642.2	640.9	639.9	638.9	638.0	637.1	636.2	635.4	634.7	
2x111 SMB	648.2	646.9	645.9	644.9	644.0	643.1	642.2	641.4	640.7	
2x112 SMB	654.2	652.9	651.9	650.9	650.0	649.1	648.2	647.4	646.7	
2x113 SMB	660.2	658.9	657.9	656.9	656.0	655.1	654.2	653.4	652.7	
2x114 SMB	666.2	664.9	663.9	662.9	662.0	661.1	660.2	659.4	658.7	
2x115 SMB	672.2	670.9	669.9	668.9	668.0	667.1	666.2	665.4	664.7	
2x116 SMB	678.2	676.9	675.9							

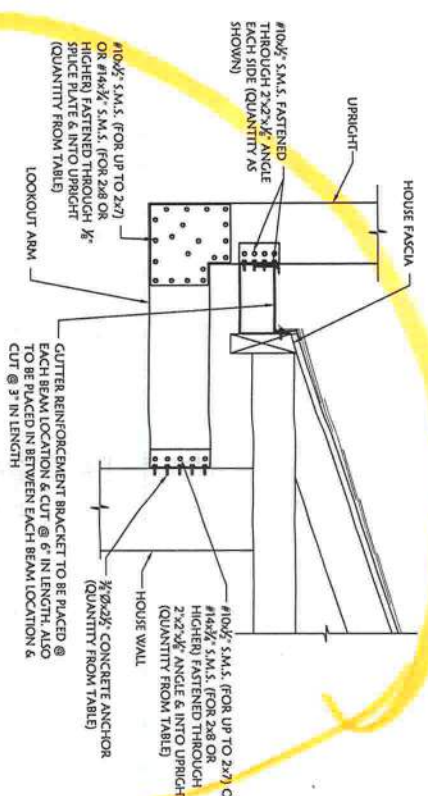


NUMBER OF #10 S.M.S. REQUIRED		BEAM SIZE		UPRIGHT SIZE	
2x4	2	2x4	2	2x4	2
2x5	3	2x5	3	2x5	3
2x6	4	2x6	4	2x6	4
2x7	5	2x7	5	2x7	5
2x8	6	2x8	6	2x8	6
2x9	7	2x9	7	2x9	7
2x10	8	2x10	8	2x10	8

NUMBER OF #14 S.M.S. REQUIRED		BEAM SIZE		UPRIGHT SIZE	
2x4	2	2x4	2	2x4	2
2x5	3	2x5	3	2x5	3
2x6	4	2x6	4	2x6	4
2x7	5	2x7	5	2x7	5
2x8	6	2x8	6	2x8	6
2x9	7	2x9	7	2x9	7
2x10	8	2x10	8	2x10	8

1 BEAM TO COLUMN

S-2.1 SCALE: 1/8" = 1'-0"

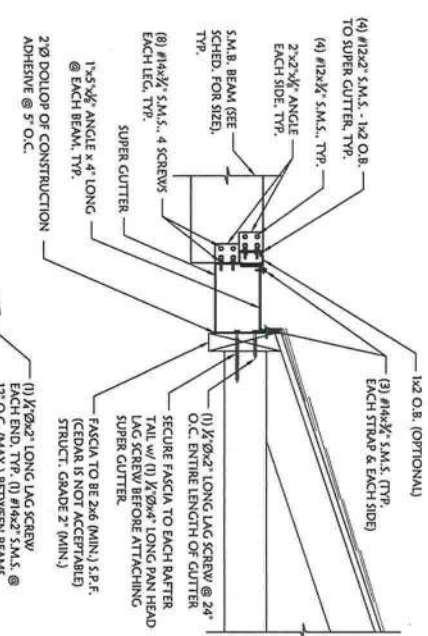


NUMBER OF GUSSET PLATE SCREWS		UPRIGHT SIZE		QTY. OF SCREWS	
2x4	16	2x4	16	2x4	16
2x5	18	2x5	18	2x5	18
2x6	20	2x6	20	2x6	20
2x7	24	2x7	24	2x7	24
2x8	26	2x8	26	2x8	26
2x9	30	2x9	30	2x9	30
2x10	30	2x10	30	2x10	30

NUMBER OF FASTENERS TO ANGLE CLIP		UPRIGHT SIZE		QTY. OF SCREWS	
2x4	3	2x4	3	2x4	3
2x5	4	2x5	4	2x5	4
2x6	5	2x6	5	2x6	5
2x7	6	2x7	6	2x7	6
2x8	7	2x8	7	2x8	7
2x9	8	2x9	8	2x9	8
2x10	9	2x10	9	2x10	9

2 CONNECTION DETAIL

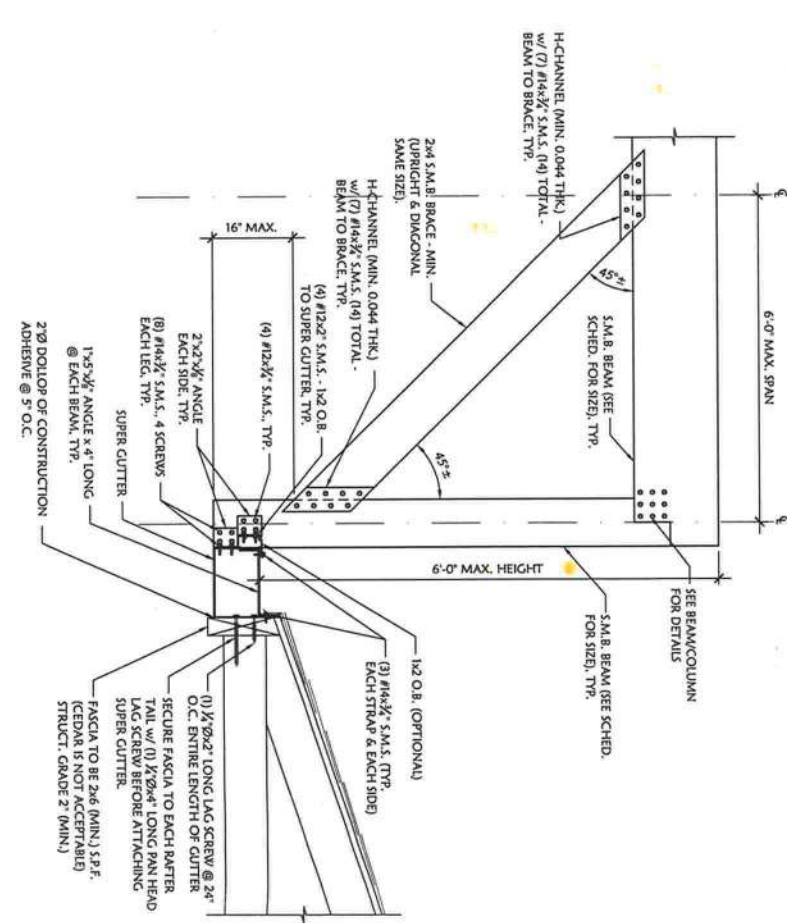
S-2.1 SCALE: 1/8" = 1'-0"



NUMBER OF FASTENERS TO ANGLE CLIP		UPRIGHT SIZE		QTY. OF SCREWS	
2x4	3	2x4	3	2x4	3
2x5	4	2x5	4	2x5	4
2x6	5	2x6	5	2x6	5
2x7	6	2x7	6	2x7	6
2x8	7	2x8	7	2x8	7
2x9	8	2x9	8	2x9	8
2x10	9	2x10	9	2x10	9

3 GUTTER CONNECTION

S-2.1 SCALE: 1/8" = 1'-0"

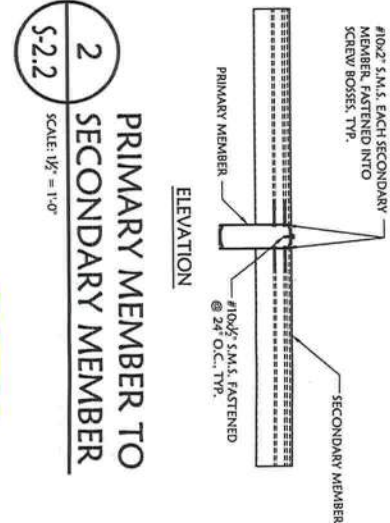
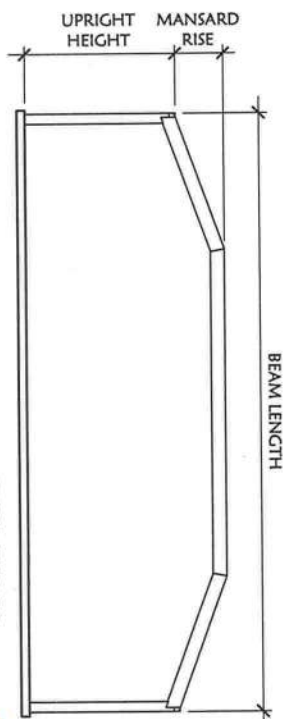


4 TRANSOM UPRIGHT TO SUPER CUTTER CONNECTION

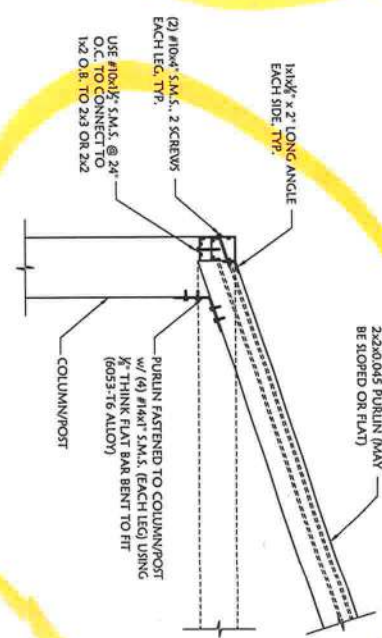
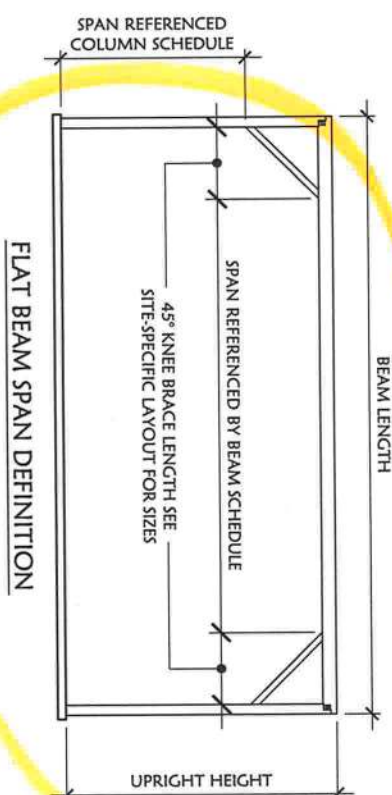
S-2.1 SCALE: 1/8" = 1'-0"



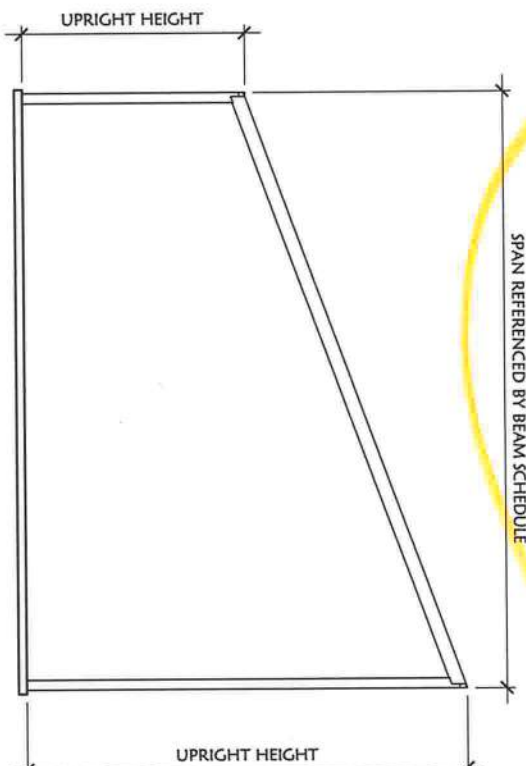
To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.



2 PRIMARY MEMBER TO SECONDARY MEMBER
SCALE: 1/2" = 1'-0"



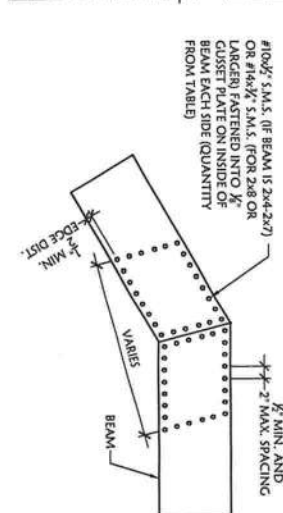
3 SIDEWALL POST/COLUMN TO PURLIN CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



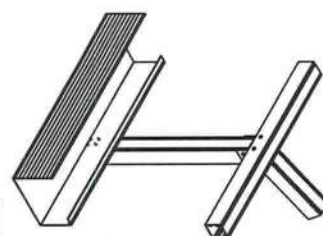
1 BEAM SPAN DEFINITIONS
SCALE: 1/2" = 1'-0"

QUANTITY OF SCREWS REQUIRED

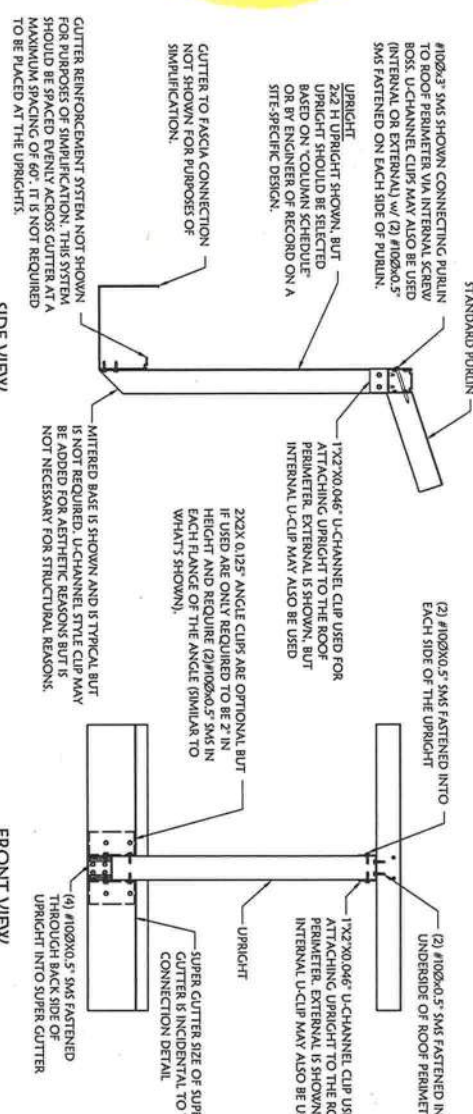
BEAM SIZE	# SCREWS
2x4-2x6	12
2x7	16
2x8	18
2x9	20
2x10	22



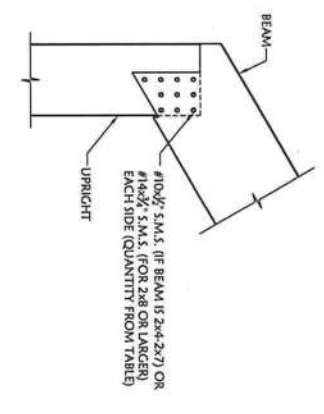
4 MANSARD SPLICE CONNECTION
SCALE: 1/2" = 1'-0"



- NOTE:
- THIS CONNECTION IS ONLY GOOD FOR NON-LOAD BEARING TRANSOMS. IT IS NOT TO BE USED FOR LOAD BEARING TRANSOMS OR LESS FROM THE TOP UP OF THE SUPER CUTTER.
 - THE UPRIGHT IS SHOWN JOINING UP WITH A PURLIN IN THIS DETAIL. THIS IS TYPICALLY HOW IT'S INSTALLED, BUT IS NOT REQUIRED. THE UPRIGHTS NEED TO BE SPACED SUCH THAT THE SPAN BETWEEN THEM DOES NOT EXCEED WHAT THE ROOF PERIMETER MEMBER CAN SPAN ACCORDING TO THE BEAM SCHEDULE TABLE.
 - THIS TYPE OF CONNECTION IS USED TO BREAK UP THE SPAN OF THE ROOF PERIMETER MEMBER. IF THE ROOF PERIMETER MEMBER IS LARGE ENOUGH TO SUPPORT THE SPAN ON ITS OWN (I.E. A 2x4 SPAN SPANNING A 12' DISTANCE) THEN THE UPRIGHT SUPPORTS ARE NOT NECESSARY AND THIS DETAIL IS NOT REQUIRED.



5 NON-LOAD BEARING TRANSOM WALL CONNECTION
SCALE: 1/2" = 1'-0"



6 MANSARD BEAM TO UPRIGHT CONNECTION
SCALE: 1/2" = 1'-0"

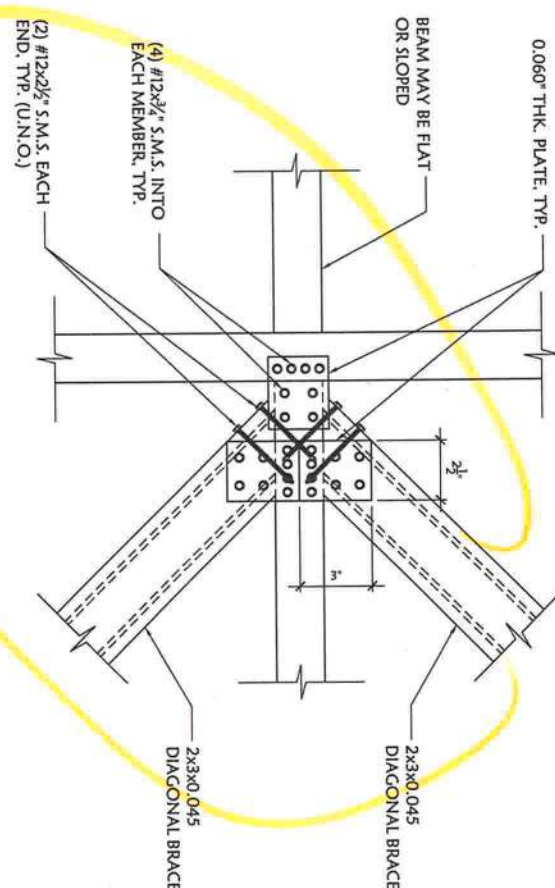
QUANTITY OF #10 FASTENERS REQUIRED

BEAM SIZE	UPRIGHT SIZE	QUANTITY
2x4	2x4	3
2x5	2x4	4
2x6	2x4	5
2x7	2x4	6
2x8	2x4	7
2x9	2x4	8
2x10	2x4	9
2x4	2x5	4
2x5	2x5	5
2x6	2x5	6
2x7	2x5	7
2x8	2x5	8
2x9	2x5	9
2x10	2x5	10
2x4	2x6	5
2x5	2x6	6
2x6	2x6	7
2x7	2x6	8
2x8	2x6	9
2x9	2x6	10
2x10	2x6	11
2x4	2x7	6
2x5	2x7	7
2x6	2x7	8
2x7	2x7	9
2x8	2x7	10
2x9	2x7	11
2x10	2x7	12
2x4	2x8	7
2x5	2x8	8
2x6	2x8	9
2x7	2x8	10
2x8	2x8	11
2x9	2x8	12
2x10	2x8	13
2x4	2x9	8
2x5	2x9	9
2x6	2x9	10
2x7	2x9	11
2x8	2x9	12
2x9	2x9	13
2x10	2x9	14
2x4	2x10	9
2x5	2x10	10
2x6	2x10	11
2x7	2x10	12
2x8	2x10	13
2x9	2x10	14
2x10	2x10	15

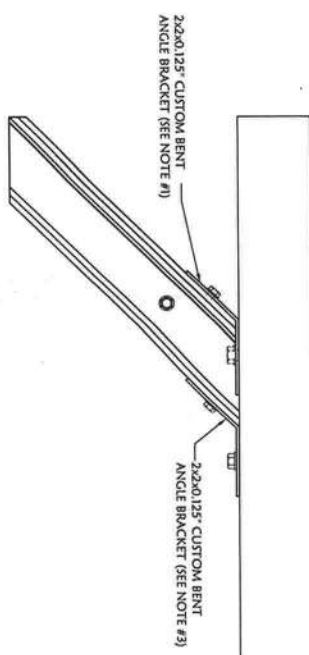
STRUCTURAL CONCEPTS & DESIGN
ROBERT C. SCROGGINS, P.E.
FLORIDA PROFESSIONAL ENGINEER
LICENSE NO. 12774
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WWW.SCDDESIGN.COM

To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.

1 TYPICAL ROOF BRACE TO BEAM CONNECTION



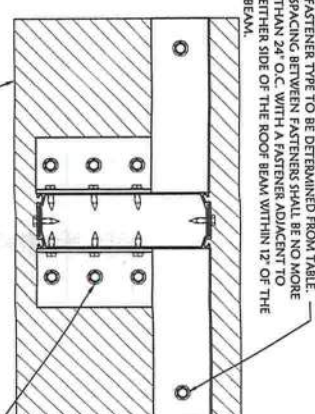
ANGLE BEAM TO SUPPORT
4 STRUCTURE
S-2.4 N.T.S.



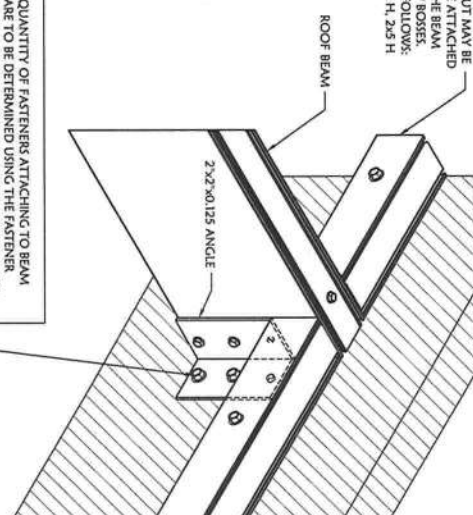
		MIN. QUANTITY OF SPECIFIED FASTENERS					
		FASTENERS TO BEAM		FASTENERS TO CHU		FASTENERS TO WOOD	
UPRIGHT SIZE		#10 L.A.S.	#14 S.A.S.	1/4" Ø JACKSON	3/8" Ø JACKSON	#10 WOOD SCREW	#14 WOOD SCREW
2x2 H	2	2	2	1	1	2	1
2x3 H	3	3	3	1	1	3	2
2x4 H	4	4	4	1	1	4	4
2x4 S.H.B.	4	4	4	1	1	4	2
2x5 S.H.B.	5	5	5	2	1	5	3
2x6 S.H.B.	6	6	6	2	2	6	4
2x7 S.H.B.	7	7	7	2	3	7	5
2x8 S.H.B.	8	8	8	4	3	8	6
2x9 S.H.B.	9	9	9	5	4	9	7
2x10 S.H.B.	10	10	10	6	5	10	8
	N/A	N/A	N/A	12	12		10

MIN. EMBEDMENT DEPTH (INCHES)

3 STRAIGHT BEAM TO SUPPORT STRUCTURE

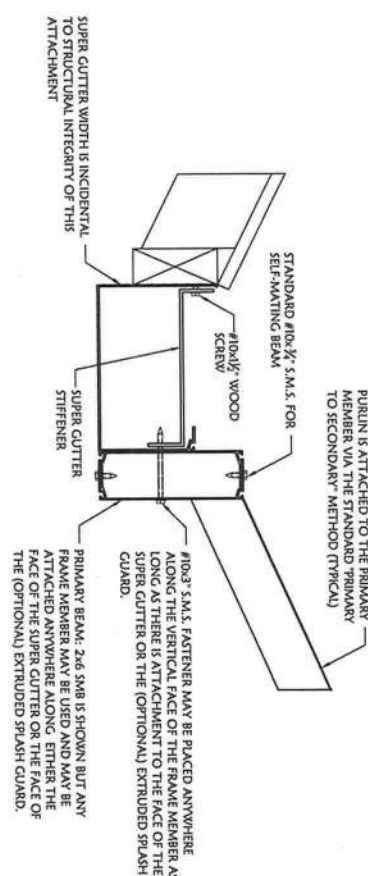


QUANTITY OF FASTENERS ATTACHING TO BEAM
RAE TO BE DETERMINED USING THE FASTENER
TABLE. TYPE OF FASTENERS WILL BE 8D S&S, FOR
BEAM SIZES 2X8 - 2X12, 6D S&S, FOR
FASTENERS SHALL NOT BE LESS THAN 0.75"
CENTER-TO-CENTER FROM EACH OTHER, NOR SHALL
THEY BE CLOSER THAN 2" CENTER-TO-CENTER
FROM EACH OTHER.
FASTENERS SHALL BE ARRANGED IN ANY PATTERN
PROVIDED THE MINIMUM QTY FROM THE TABLE
MET ALONG WITH THE ABOVE MENTIONED
SPACING REQUIREMENTS.



1. QUANTITY OF FASTENER ATTACHING TO BEAM ARE TO BE DETERMINED USING THE FASTENER TABLE. TYPE OF FASTENERS WILL BE 60 S.A.S. FOR BEAM SIZES BETWEEN 2X4 - 2X7 & 4# S.M. FOR BEAM SIZES 2X8 - 2X10.
2. FASTENERS SHALL NOT BE LESS THAN 0.75" CENTER-TO-CENTER FROM EACH OTHER NOR SHALL THEY BE GREATER THAN 2" CENTER-TO-CENTER FROM EACH OTHER.
3. FASTENERS MAY BE ABANDONED IN ANY PATTERN PROVIDED THE MINIMUM QTY FROM THE TABLE IS MET ALONG WITH THE ABOVE MENTIONED SPACING REQUIREMENTS.

2 PARALLEL FRAME MEMBER TO SUPER GUTTER



1. 2X2X12 ANGLE MAY BE USED IN lieu OF (OR IN ADDITION TO) THE #303 5x5.5. ANGLE AND MAY BE ON TOP OR BOTTOM OF THE ATTACHING FLANGE MEMBER. THE TYPE OF FASTENER WILL REMAIN THE SAME AS STATED IN THE DETAIL. EACH SPACING AND TYPE OF FASTENER WILL BE ON THE SAME PLATE FOR EACH OPPOSING FLANGE (PLANGE OF THE 2x2 ANGLE FASTENER WILL BE ON THE SAME PLATE FOR EACH OPPOSING FLANGE).
2. SUPER CUTTER IS SHOWN AS THE COMPONENT BEING FASTENED TO, BUT THIS DETAIL CAN BE USED IN THE CASE WHERE SUPER CUTTER IS SUBSTITUTED FOR A DIFFERENT ALUMINUM STRUCTURAL COMPONENT (I.E. BEAM/ I BEAM/ TRUSS BEAM ETC.) PROVIDED THE REMAINING STRUCTURAL COMPONENT IS SUPPORTED PROPERLY IN ACCORDANCE WITH THE DETAILS IN THE SEALED ENGINEERING PACKAGE.

1. ACUTE SIDE OF BEAM MAY BE NOTCHED TO ALLOW FOR THE 2X3X0.125" CUSTOM BENT ALUMINUM BRACKET TO BE IDEALLY NESTED BETWEEN THE BEAM AND SUPPORT STRUCTURE. THE FABRICATION METHOD TO ACHIEVE THIS WOULD BE TO SIMPLY ATTACH THE ANGLE BRACKET TO THE BEAM PRIOR TO INSTALLING THE BEAM HALF-SHELL. PROVIDED THE ACUTE SIDE OF THE BEAM IS INSTALLED FIRST, THIS WOULD ALLOW FOR THE FASTENERS TO BE INSTALLED INTO THE SUPPORT STRUCTURE PRIOR TO THE INSTALLATION OF THE OBTUSE SIDE OF THE BEAM.
2. IF THE FABRICATION METHOD SHOWN HERE CANNOT BE ACHIEVED, THEN A SECONDARY 2X2X0.125" ANGLE MUST BE INSTALLED BETWEEN THE BEAM, TYPE AND QTY OF FASTENERS WOULD REFERENCE THE ROW LABELED 2x2 H IN THE FASTENER REQUIREMENTS TABLE.
3. A CUSTOM BENT 2X2X0.125" ANGLE MUST ALWAYS BE INSTALLED ON THE OBTUSE SIDE OF THE BEAM. (4) ALL OTHER NOTES AND SPECIFICATIONS FROM THE STRAIGHT BEAM TO SUPPORT STRUCTURE- DETAIL APPLY TO THIS DETAIL.

ROOF PURLIN IS TYPICAL BUT MAY OMITTED. PURLIN IS TO BE ATTACHED THROUGH THE WEB OF THE BEAM INTO ITS INTERNAL SCREW/ BOLTS. MEMBER SIZES MAY BE AS FOLLOWS
1x2 O.B., 2x2 H., 2x3 H., 2x4 H., 2x5 H.

Professional Engineer Seal for Robert C. Scroggins, License No. 11777, State of Florida. The seal is circular with "PROFESSIONAL ENGINEER" and "FLORIDA" around the perimeter. The center contains "ROBERT C. SCROGGINS", "LICENSE", and "11777". A blue ink signature "Robert C. Scroggins" is written across the seal.

To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.

Structural Framing Sections & Details

Residential Pool Screen Enclosure

Client:  Florida Pool Enclosures, Inc
Committed to Your Satisfaction

	DESCRIPTION	DATE	REV.
JOB NO.: #171			
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
DATE: 07/			
SHEET			

5-2.4

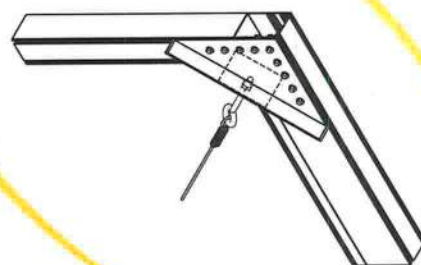
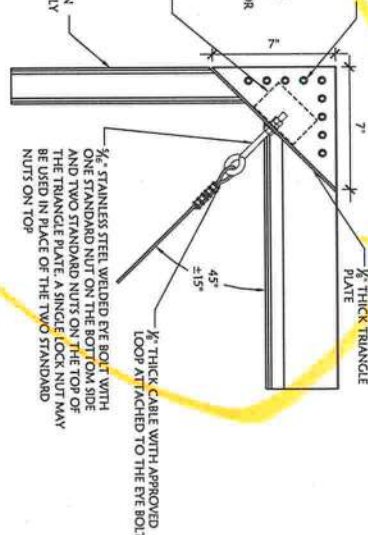
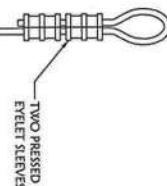


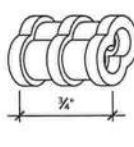
FIGURE 25.5.M.3. QUANTITY SHOWN IS THE MINIMUM REQUIREMENT. MAX SPACING BETWEEN FASTENERS IS 2" WITH THE MINIMUM SPACING BETWEEN FASTENERS AT 0.75". IF THE COMPONENT THAT THE CABLE IS BEING ATTACHED TO IS CONFIGURED IN SUCH A WAY THAT PREVENTS TWO PERPENDICULAR ROWS, THEN A SECOND ROW OR COLUMN OF FASTENERS MAY BE ADDED PARALLEL (BUT NOT COINCIDENT) TO THE DEFAULT ROW OR COLUMN OF FASTENERS AT ALTERNATING SPACING.



TRIANGLE PLATE TOP ATTACHMENT



PREPRESSED EYELET SLEEVE
(SHOWN AFTER BEING MECHANICALLY PREPRESSED)



CABLE CONNECTION NOTES:

1. TO DETERMINE THE QUANTITY OF CABLES NEEDED FOR A SCREEN WALL BASED ON ONE SIDE BY A HOST STRUCTURE, TAKE THE TOTAL SQUARE FOOTAGE OF THE BASED WALL AND DIVIDE BY 250. ROUND THE CALCULATED VALUE TO THE CLOSEST WHOLE NUMBER AND SUBTRACT ONE. IT IS INTENDED TO NOT HAVE A CABLE ON A WALL THAT IS LESS THAN 250 SF.
 EXAMPLE: $430 \text{ SF} / 250 = 1.72 \rightarrow$ ROUNDS TO 2 $\rightarrow 2 - 1 = 1$ CABLE
 EXAMPLE: $230 \text{ SF} / 250 = 0.92 \rightarrow$ ROUNDS TO 1 $\rightarrow 1 - 1 = 0$ CABLES
2. TO DETERMINE THE QUANTITY OF CABLES NEEDED FOR AN UNBASED SCREEN WALL, TAKE THE TOTAL SQUARE FOOTAGE OF THE UNBASED WALL AND DIVIDE BY 250. ROUND THE CALCULATED VALUE TO THE CLOSEST WHOLE NUMBER AND MULTIPLY BY 2. IT IS REQUIRED THAT AN UNBASED SCREEN WALL HAVE AN EQUAL AMOUNT OF CABLES OPPOSING EACH OTHER.
 EXAMPLE: $535 \text{ SF} / 250 = 2.14 \rightarrow$ ROUNDS TO 2 $\rightarrow 2 \times 2 = 4$ CABLES (2 PAIRS OF OPPOSING CABLES)
 EXAMPLE: $780 \text{ SF} / 250 = 3.12 \rightarrow$ ROUNDS TO 3 $\rightarrow 3 \times 2 = 6$ CABLES (3 PAIRS OF OPPOSING CABLES)
3. ANY ONE OF THE APPROVED CABLE-TO-DECK ATTACHMENTS SHOWN MAY BE USED. FIELD CONDITIONS WILL DICTATE THE TYPE OF ATTACHMENT USED AND MAY CHANGE DYNAMICALLY FROM THE ORIGINAL DESIGN AND INTENT. THIS HAS NO BEARING ON THE DESIGN OR THE STRUCTURAL ANALYSIS OF THE WALL, BUT THEREFORE IS ALLOWED TO BE DONE, AS LONG AS ONE OF THE APPROVED ATTACHMENT DETAILS IS UTILIZED.
4. CABLES MAY ATTACH THROUGH PAPER AS LONG AS THE MINIMUM CONCRETE EMBEDMENT OF 1' N_1 IS ACHIEVED BY USING A LONGER TACKON
5. MINIMUM CONCRETE EDGE DISTANCE FOR ALL CONCRETE FASTENERS IS N_2 .
6. CABLES SHOULD BE AT A 45° ANGLE TO THE VERTICAL UPRIGHTS (A15°).

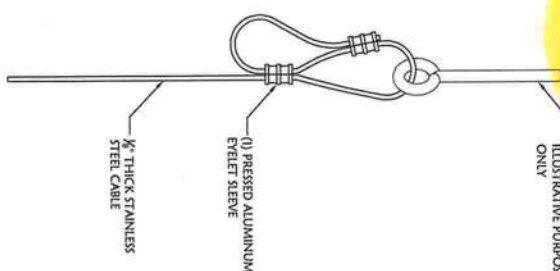
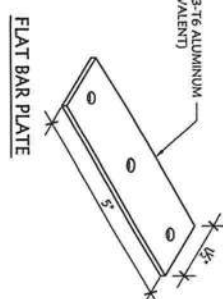
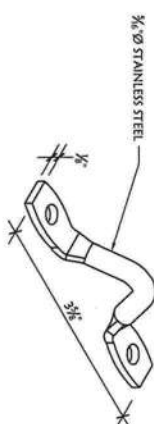


FIGURE 8 LOOP

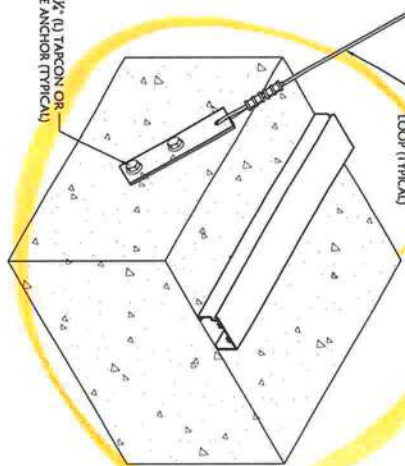
SINGLE LOOP



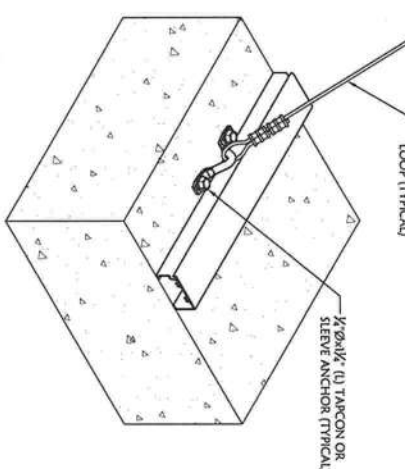
FLAT BAR PLATE



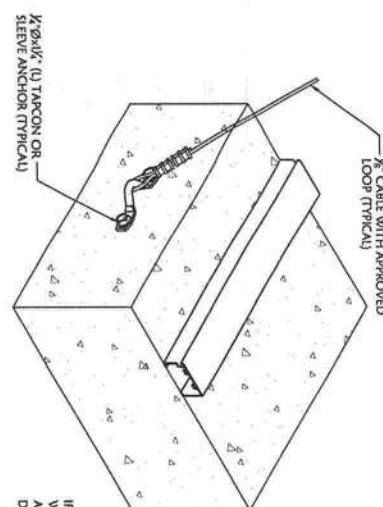
CAMELBACK CLIP BRACKET



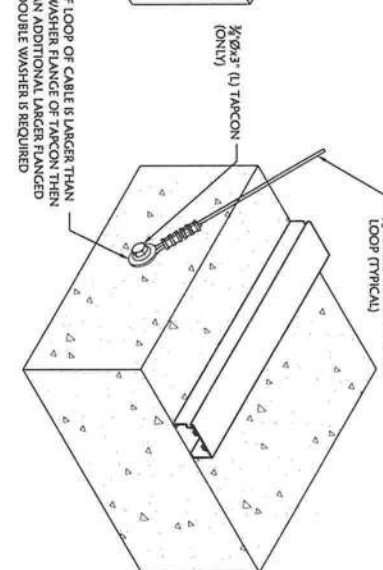
FLAT BAR TO SIDE OF DECK



CAMELBACK TO TOP OF DECK

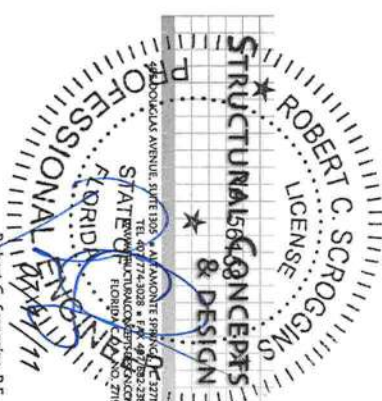


CAMELBACK TO SIDE DECK



SINGLE CONCRETE FASTENER TO SIDE DECK

1 CABLE ATTACHMENT DETAILS



To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.

REV.	DATE	DESCRIPTION

Client:

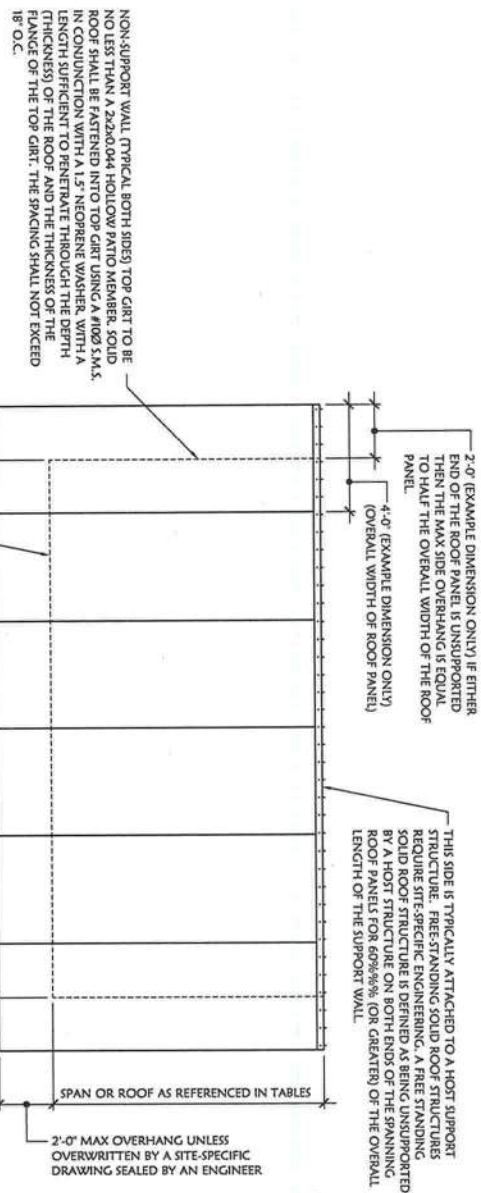


Florida Pool Enclosures, Inc
Committed to Your Satisfaction

Project:

Residential Pool Screen Enclosure

Structural Framing Sections & Details



SUPPORT WALL (SEE NOTE #2)
SOLID ROOF SHALL BE FASTENED INTO HEADER GIRT USING A #10@5 S.M.S. IN CONJUNCTION WITH A 1.5\"/>

- NOTES:
1. THE PLAN VIEW IN THIS DETAIL SHOWS AN ELITE COMPOSITE ROOF BUT THE SAME RULES APPLY TO AN ALUMINUM PAN ROOF UNLESS OTHERWISE NOTED.
 2. THERE ARE TWO TYPES OF WALLS: SUPPORT WALLS AND NON-SUPPORT WALLS. THE SUPPORT WALL WILL CONSIST OF A HEADER GIRT SUPPORTING THE SOLID ROOF THAT CAN EITHER RUN CONTINUOUSLY ACROSS THE ENTIRE LENGTH OF THE WALL WITH INTERMITTENT SUPPORT FROM COLUMNS (SEE INDEPENDENT POST TO CARRY BEAM DETAIL) OR BE BROKEN UP TO SPAN BETWEEN THE SUPPORT COLUMNS VIA BEING INTERMITTENTLY SUPPORTED BY A SECONDARY MEMBER DETAIL. NON-SUPPORT WALLS (A SIDE WALLS ARE NOT USED TO SUPPORT THE ROOF AND THEREFORE ARE NOT REQUIRED TO MAINTAIN A HEADER GIRT.

1 SOLID ALUMINUM ROOF PLAN

N.T.S.

ALUMINUM PAN (3\"/>

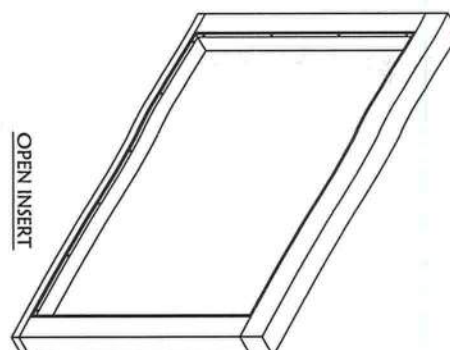
NOTE:

THE ELITE ROOF SPAN TABLES WERE PRODUCED IN ACCORDANCE WITH THE ALLOWABLE LOADS GIVEN IN THE FLORIDA PRODUCT APPROVAL OF THE ELITE ALUMINUM CORPORATION'S COMPOSITE ROOF PANEL. THE FLORIDA PRODUCT APPROVAL NUMBER FOR THIS ROOF PANEL PRODUCT IS FL-7561-AL.

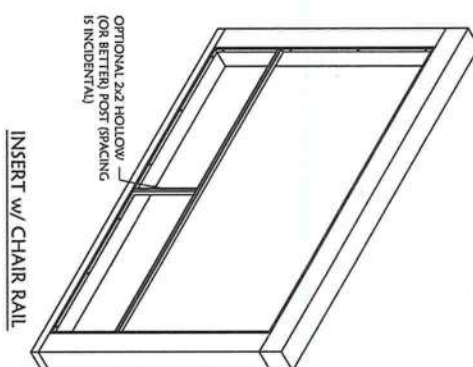
CARRY BEAM/HEADER GIRT SCHEDULE FOR COMPOSITE ROOFS ONLY			
COMP. ROOF SPAN	4	5	6
2x2 H	7.6	7.1	6.5
2x3 H	10.7	9.9	9.1
2x4 H	11.6	10.7	9.9
2x5 H	14.4	13.4	12.5
2x6 S.M.B	12.4	11.6	10.9
2x5 S.M.B	15.4	13.2	13.5
2x6 S.M.B	18.0	16.6	15.1
2x7 S.M.B	20.1	17.9	16.4
2x8 S.M.B	25.5	23.6	22.3
2x9 S.M.B	28.0	25.9	24.3
2x10 S.M.B	34.8	32.4	30.4

ELITE ALUMINUM CORPORATION COMPOSITE ROOF SPAN TABLE (1\"/>

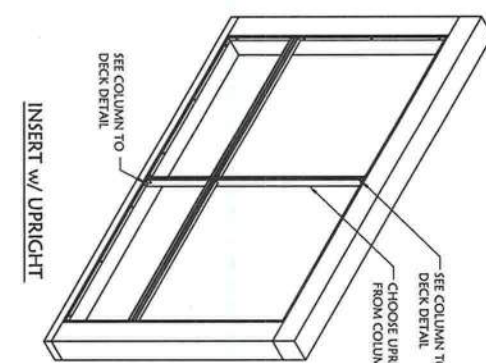
ELITE ALUMINUM CORPORATION COMPOSITE ROOF SPAN TABLE (2\"/>



OPEN INSERT



INSERT w/ CHAIR RAIL



INSERT w/ UPRIGHT

2 SCREEN INSERT ELEVATIONS

N.T.S.

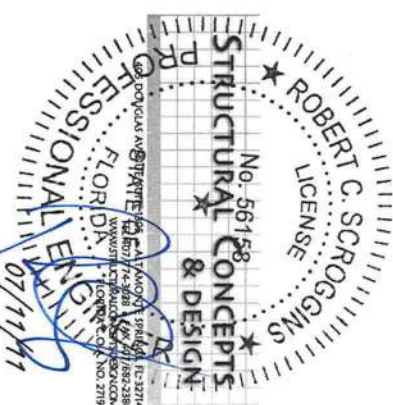
- SCREEN INSERT NOTE:
1. INSERTS ARE FRAMED IN BY 1\"/>

SUPER CUTTER (5\"/>

CUTTER STIFFENER SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SPACING AND ATTACHMENT DETAILS LOCATED IN NOTE #3 IN THE DETAIL Labeled SUPER CUTTER CONNECTION TO HOST STRUCTURE.

3 COMPOSITE ROOF TO TOP OF SUPER CUTTER CONNECTION

N.T.S.



Robert C. Scroggins, P.E.
FL Registration No. 56158

To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.

Structural Framing
Sections & Details

Project:
Residential Pool Screen Enclosure

Client:
Florida Pool Enclosures, Inc.
Committed to Your Satisfaction

REV.	DATE	DESCRIPTION

Job No.: #1
Drawn By:
Checked By:
Approved By:

Date: 07/11/11
Sheet: 07

S-2.1



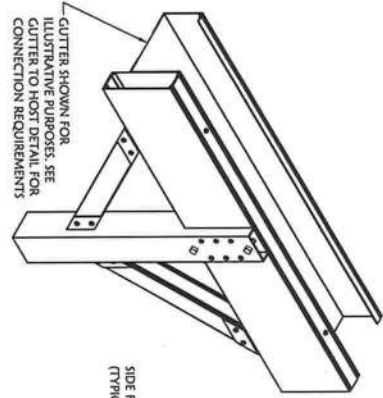
COMPOSITE ROOF TO FACE OF HOST STRUCTURE

COMPOSITE ROOF TO FACE OF HOST STRUCTURE

1 COMPOSITE ROOF TO HOST STRUCTURE CONNECTION

COMPOSITE ROOF TO HOST STRUCTURE FASTENER REQUIREMENTS					
MAXIMUM SPACING OF SPECIFIED FASTENERS (INCHES)					
ROOF THK	FASTENERS TO BEAM	FASTENERS TO CHD HOST	FASTENERS TO WOOD HOST	FASTENERS TO WOOD HOST	FASTENERS TO WOOD HOST
3"	#10 S.M.S.	#14 S.M.S.	1/4" TAPCONS	3/8" TAPCONS	#10 WOOD SCREW
4"	8	12	18	24	8
5"	6	8	12	18	6
6"	4	6	8	12	4
7"	4	6	8	12	4
8"	4	6	8	12	4
9"	4	6	8	12	4
10"	4	6	8	12	4
11"	4	6	8	12	4
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97"	4	6	8	12	4
98"	4	6	8	12	4
99"	4	6	8	12	4
100"	4	6	8	12	4

- NOTES:
- THE TERM HOST STRUCTURE IS USED SYNONYMALLY WITH ANY STRUCTURAL COMPONENT THAT THE COMPOSITE ROOF CAN ATTACH TO. THIS IS INCLUDING, BUT NOT LIMITED TO, THE FACE OF A CARRY BEAM, HOUSE PASCIA, HOUSE WALL, AND THE FACE OF SUPER GUTTER.
 - THE TYPE OF FASTENER THAT IS ATTACHING TO THE HOST STRUCTURE IS TO BE DETERMINED BY THE COMPOSITE ROOF TO HOST STRUCTURE FASTENER REQUIREMENTS TABLE.
 - THE TYPE OF FASTENER THAT IS ATTACHING TO THE HOST STRUCTURE IS TO BE DETERMINED BY THE COMPOSITE ROOF TO HOST STRUCTURE FASTENER REQUIREMENTS TABLE.
 - THE TYPE OF FASTENER THAT IS ATTACHING TO THE HOST STRUCTURE IS TO BE DETERMINED BY THE COMPOSITE ROOF TO HOST STRUCTURE FASTENER REQUIREMENTS TABLE.



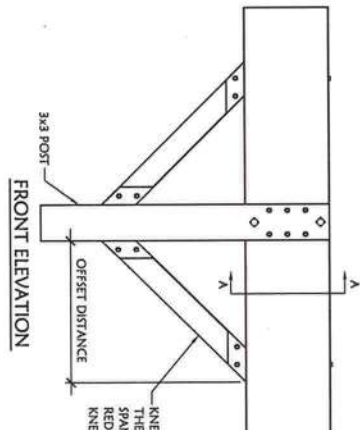
2 INDEPENDENT POST TO DECK

GENERAL ISOMETRIC

U-CHANNEL

SECTION "A-A"

SECTION "A-A" ISOMETRIC

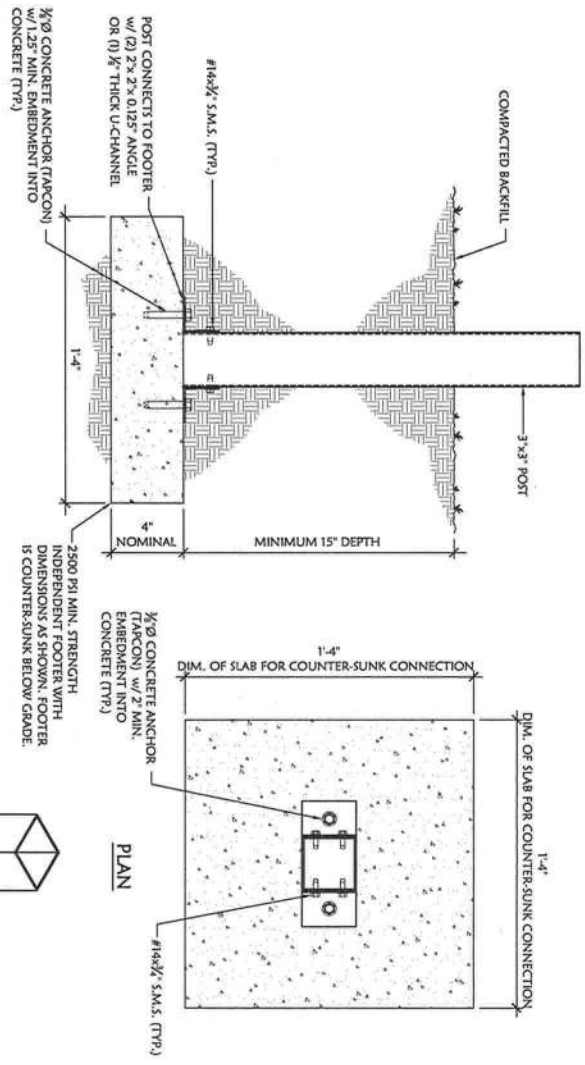


3 INDEPENDENT POST TO BEAM CONNECTION

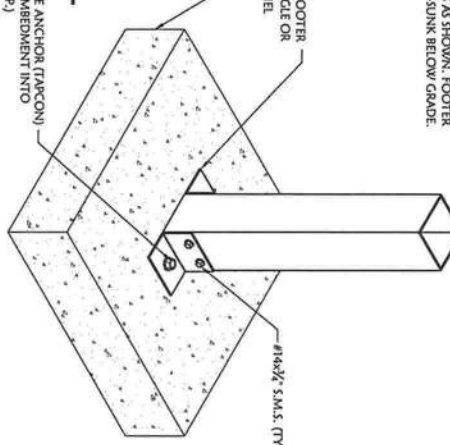
- NOTES:
- THE NOTCH IN THE 3x3 POST IS SHOWN AS A SIDE NOTCH BUT A CENTERED NOTCH IS ALSO ALLOWABLE. IN THAT CASE THE FIELD FASTENERS WOULD BE REQUIRED TO BE INSTALLED ON BOTH SIDES OF THE NOTCH AND THE THROUGH BEAM WOULD BE REQUIRED TO PENETRATE BOTH SIDES OF THE NOTCH THROUGHOUT THE BEAM.
 - THE (OPTIONAL) KNEE BRACE IS SHOWN BEING ATTACHED WITH U-CHANNEL, BUT H-CHANNEL IS ALSO ACCEPTABLE. THE SIZE OF THE KNEE BRACE AND THE QUANTITY OF FASTENERS IS GIVEN IN THE KNEE BRACE SCHEDULE.
 - HEIGHT AND TYPE OF 3x3 POST IS DETERMINED BY THE APPROPRIATE TABLES CALLED 'COLUMN SCHEDULE FOR SOLID ROOF / SCREEN ENCLOSURE COMPO.' IN THE EVENT THAT THERE IS NO SOLID ROOF OR NO SCREEN ENCLOSURE THEN TAKE THE MINIMUM SPAN GIVEN IN THE TABLE FOR THE NON-EXISTENT COMPONENT.

KNEE BRACE SCHEDULE			
SIZE	LENGTH	QTY. PER FLANGE	
2x2x0.044	UP TO 2'-0"	2	
2x3x0.050	2'-0" TO 4'-0"	3	
2x4x0.050	4'-0" TO 6'-0"	4	
2x4x0.048 x 0.100 S.M.B.	6'-0" TO 7'-0"	4	
2x6x0.050 x 0.120 S.M.B.	7'-0" TO 8'-0"	6	

FIELD FASTENERS		
BEAM SIZE	QTY. OF FIELD FASTENERS	
2x4	0	
2x5	2	
2x6	4	
2x7	6	
2x8	8	
2x9	8	
2x10	8	



COUNTER-SUNK POST (ELEVATION)



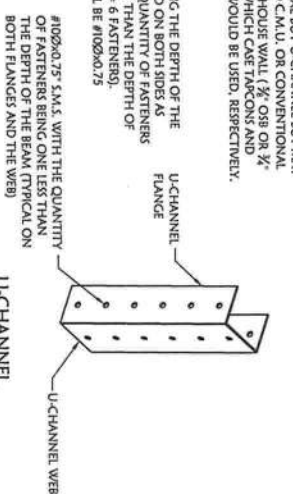
PLAN



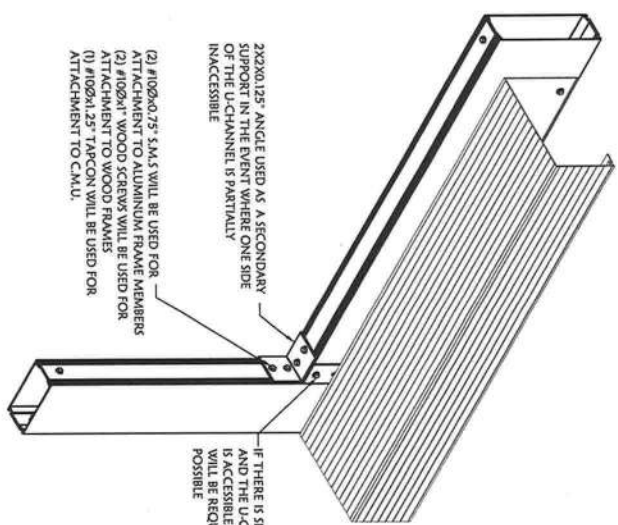
To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.



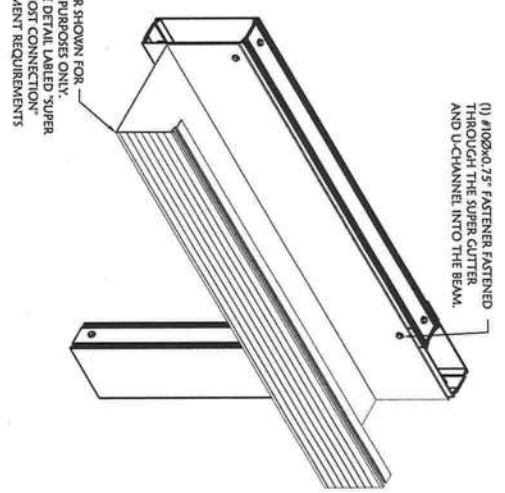
STANDARD BEAM TO U-CHANNEL CONNECTION
(SHOWN FROM ISOMETRIC TOP)



U-CHANNEL
(ISOMETRIC FOR CLARITY)



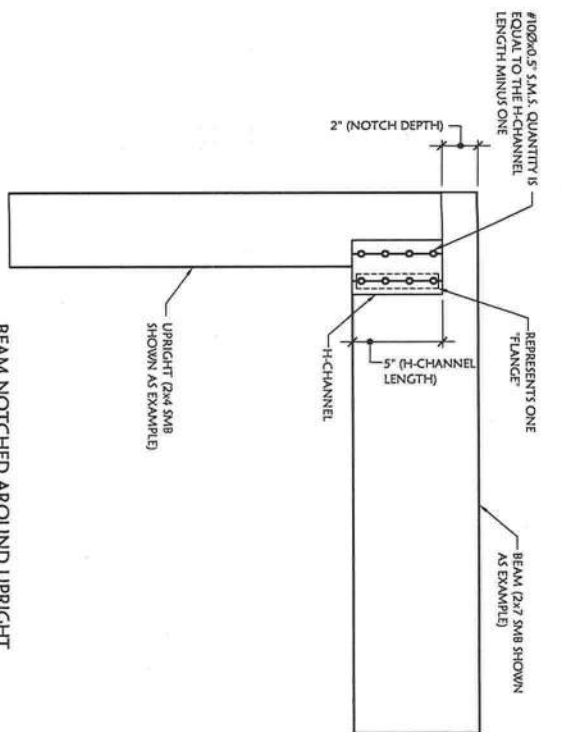
BEAM TO U-CHANNEL w/ CUTTER
(SHOWN FROM ISOMETRIC BOTTOM)



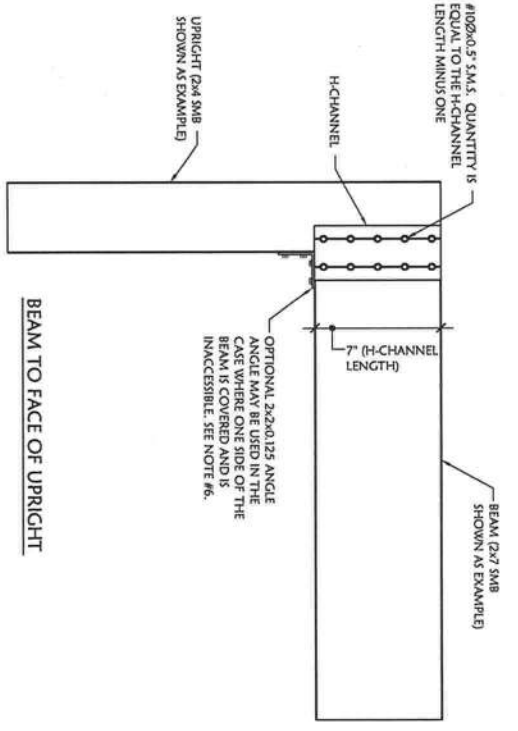
BEAM TO U-CHANNEL w/ CUTTER
(SHOWN FROM ISOMETRIC TOP)

1
S-2.9
N.T.S.

BEAM TO U-CHANNEL CONNECTION



BEAM NOTCHED AROUND UPRIGHT



BEAM TO FACE OF UPRIGHT

2
S-2.9
N.T.S.

BEAM TO UPRIGHT (H-CHANNEL) CONNECTION

- NOTES:
- H-CHANNEL LENGTH WILL BE EQUAL TO THE BEAM LENGTH MINUS THE NOTCH DEPTH.
 - KNEE BRACES MAY BE USED IN ADDITION TO THIS CONNECTION BUT ARE OPTIONAL. FOR INFORMATION ABOUT A KNEE BRACE CONNECTION, PLEASE SEE THE DETAIL LABELED "KNEE BRACE CONNECTION".
 - QUANTITY OF SCREWS ON EACH FLANGE MUST BE EQUAL TO THE H-CHANNEL LENGTH MINUS ONE (AS SHOWN IN THE DETAIL).
 - FASTENERS IN H-CHANNEL MAY BE #10@6" O.C. ALSO.
 - ANY COMBINATION OF FRAME MEMBERS FOR THE UPRIGHT AND BEAM MAY BE USED PROVIDED THEY ARE IN THE BEAM SCHEDULE AND UPRIGHT SCHEDULE RESPECTIVELY.
 - H-CHANNEL CONFIGURATION AND FRAME NOTCH SHOWN IS IN A VERTICAL VECTOR WITH THE BEAM BEING NOTCHED. THE VECTOR MAY ALSO BE HORIZONTAL WITH THE UPRIGHT NOTCHED ONLY IF THE UPRIGHT DEPTH IS LARGER THAN THE BEAM DEPTH.
 - AN OPTIONAL 2x2@125 ANGLE MAY BE USED IN CASES WHERE ONE SIDE OF THE BEAM IS INACCESSIBLE. SEE NOTE #6 IN THE DETAIL BELOW LABELED "BEAM TO FACE OF UPRIGHT".

- NOTES:
- KNEE BRACES MAY BE USED IN ADDITION TO THIS CONNECTION BUT ARE OPTIONAL. FOR INFORMATION ABOUT A KNEE BRACE CONNECTION, PLEASE SEE THE DETAIL LABELED "KNEE BRACE CONNECTION".
 - QUANTITY OF SCREWS ON EACH FLANGE MUST BE EQUAL TO THE H-CHANNEL LENGTH MINUS ONE (AS SHOWN IN THE DETAIL).
 - FASTENERS IN H-CHANNEL MAY BE #10@6" O.C. ALSO.
 - ANY COMBINATION OF FRAME MEMBERS FOR THE UPRIGHT AND BEAM MAY BE USED PROVIDED THEY ARE IN THE BEAM SCHEDULE AND UPRIGHT SCHEDULE RESPECTIVELY.
 - THE CONFIGURATION SHOWN IS THE BEAM BUTTING INTO THE UPRIGHT WITH THE H-CHANNEL LENGTH BEING DRIVEN BY THE BEAM DEPTH. THIS CONFIGURATION MAY BE SWITCHED TO HAVE THE UPRIGHT BUTTING INTO THE BEAM WITH THE H-CHANNEL LENGTH BEING DRIVEN BY THE UPRIGHT DEPTH.
 - THE 2x2@125 ANGLE IS USED IN LIEU OF ONE INACCESSIBLE SIDE OF BEAM. (2) #10@6" O.C. FASTENERS SHOULD BE USED ON EACH FLANGE OF THE ANGLE BRACKET. IF THE INACCESSIBLE SIDE IS ONLY PARTIALLY COVERED, THEN FASTENERS SHOULD BE INSTALLED WHERE POSSIBLE.

STRUCTURAL CONCEPTS & DESIGN

405 DOUGLAS AVENUE, SUITE 1305 • ATLANTA, GEORGIA 30308
TEL 404.764.8228 • FAX 404.962.2388
WWW.SC&D.COM • ORION C.O.A. NO. 2739

Robert C. Scroggins, P.E.
07/11/11
FL Registration No. 56158

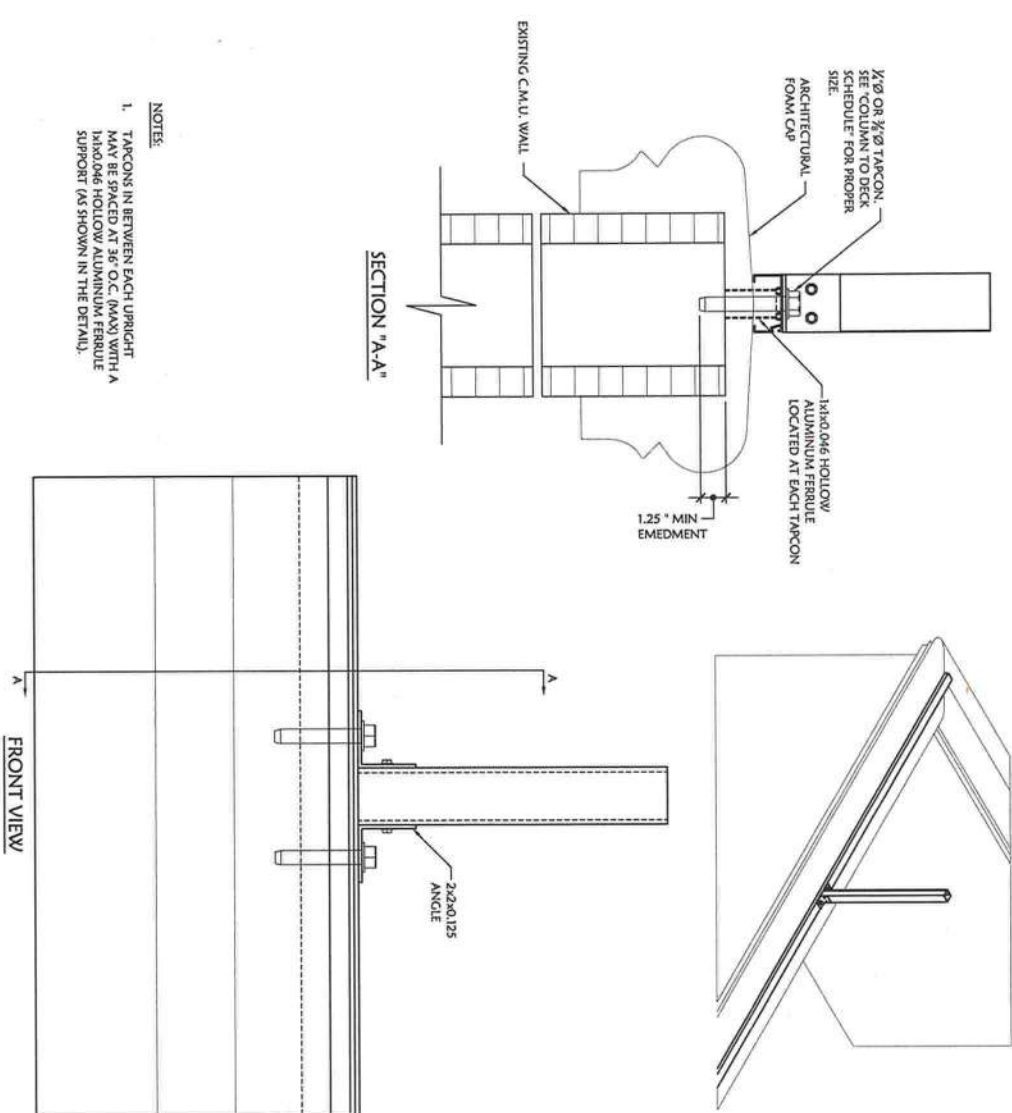
To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.

REV.	DATE	DESCRIPTION	Client:	Project:	Structural Framing Sections & Details
			Florida Pool Enclosures, Inc.	Residential Pool Screen Enclosure	
JOB NO. 1	#11	DRAWN BY:			
CHECKED BY:					
APPROVED BY:					
DATE:	07/11/11				
SHEET					

1 SCREEN ENCLOSURE BASE ATTACHMENT TO FOAM CAPPED WALL

S-2.10 N.T.S.

- NOTES:
1. TAPCONS IN BETWEEN EACH UPRIGHT MAY BE SPACED AT 36" O.C. (MAX) WITH A 1/4" DIA. HOLLOW ALUMINUM FERRULE SUPPORT (AS SHOWN IN THE DETAIL).

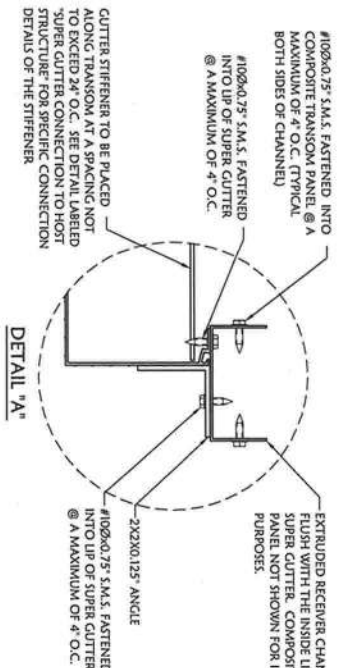
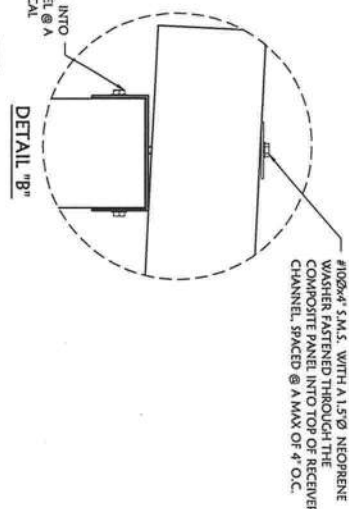


2 COMPOSITE PANEL TRANSOM DETAIL

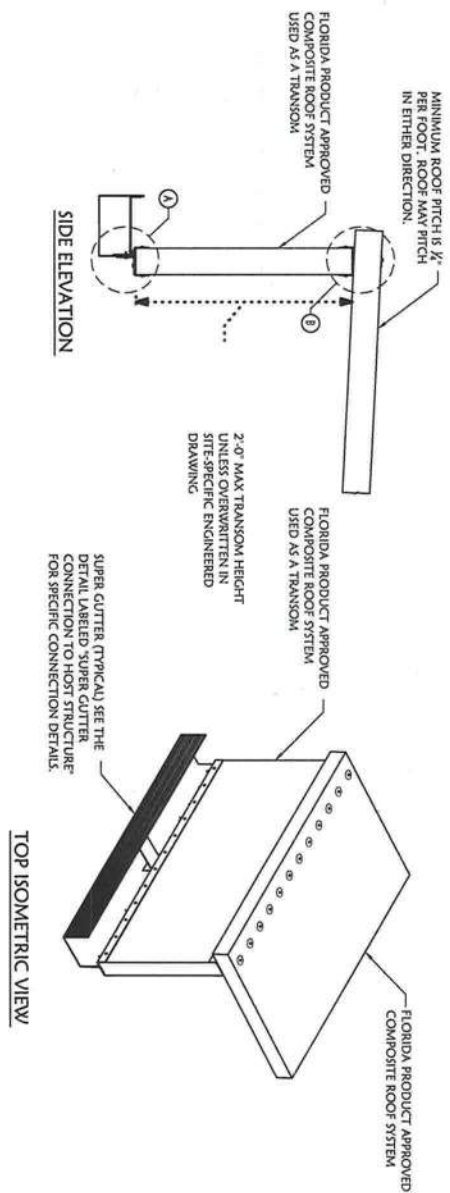
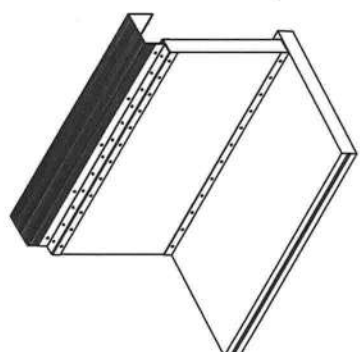
S-2.10 N.T.S.

#1026, 75" S.M.S. FASTENED INTO COMPOSITE TRANSOM PANEL @ A MAXIMUM OF 4" O.C. (TYPICAL BOTH SIDES OF CHANNEL)

DETAIL "B"

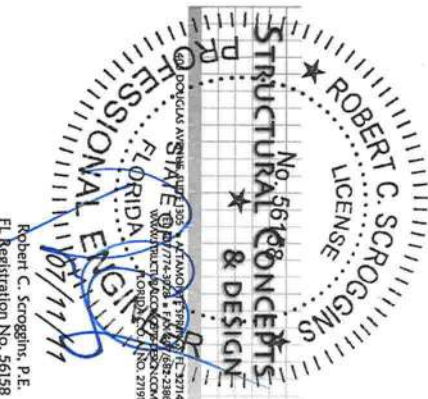
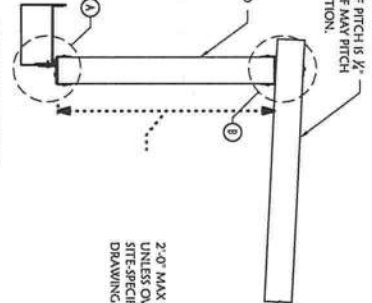


BOTTOM ISOMETRIC VIEW



TOP ISOMETRIC VIEW

SIDE ELEVATION



To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.

S-2.1 SHEET	JOB NO.: #11 DRAWN BY: CHECKED BY: APPROVED BY: DATE: 07/11/11	REV. DATE DESCRIPTION	Client: Florida Pool Enclosures, Inc. Committed to Your Satisfaction	Project: Residential Pool Screen Enclosure	Structural Framing Sections & Details
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3X30.060 COLUMN SCHEDULE FOR SOLID ROOF/GREEN ENCLOSURE COMBO												
COL. TRIBUTARY WIDTH SPACING (FT.)		SCREEN ROOF TRIBUTARY WIDTH (FT.)										
		MAXIMUM HEIGHT (FT.)										
		8	10	12	14	16	18	20	22	24	26	28
8		20.0	19.8	19.6	19.4	19.2	19.0	18.8	18.6	18.4	18.2	
10		19.6	19.4	19.2	19.0	18.8	18.6	18.4	18.2	18.0	17.8	
12		19.2	19.0	18.8	18.6	18.4	18.2	18.0	17.8	17.6	17.4	
14		18.8	18.6	18.4	18.2	18.0	17.8	17.6	17.4	17.2	17.0	
16		18.4	18.2	18.0	17.8	17.6	17.4	17.2	17.0	16.8	16.6	
18		17.9	17.7	17.5	17.3	17.1	16.9	16.7	16.5	16.3	16.1	
20		17.5	17.3	17.1	16.9	16.7	16.5	16.3	16.1	15.9	15.7	
22		17.1	16.9	16.7	16.5	16.3	16.1	15.9	15.7	15.5	15.3	
24		16.7	16.5	16.3	16.1	15.9	15.7	15.5	15.3	15.1	14.9	
26		16.3	16.1	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.5	
COMPOSITE ROOF SPAN OF 6'-0"												

COL. TRIBUTARY WIDTH SPACING (FT.)		3x3x0.060 COLUMN SCHEDULE FOR SOLID ROOF/SYSTEMS ENCLOSURE CLAND											
SKREEN NO. (TRIBUTARY WIDTH (FT.))		COMPOSITE ROOF SPAN OF 10'-0"											
		8	10	12	14	16	18	20	22	24	26		
8		18.9	18.7	18.5	18.3	18.1	17.9	17.7	17.5	17.3	17.1		
10		18.2	18.0	17.8	17.6	17.4	17.2	17.0	16.8	16.6	16.4		
12		17.5	17.3	17.1	16.9	16.7	16.5	16.3	16.1	15.9	15.7		
14		16.8	16.6	16.4	16.2	16.0	15.8	15.6	15.4	15.2	15.0		
16		16.2	16.0	15.8	15.6	15.4	15.2	15.0	14.8	14.6	14.4		
18		15.5	15.3	15.1	14.9	14.7	14.5	14.3	14.1	13.9	13.7		
20		14.8	14.6	14.4	14.2	14.0	13.8	13.6	13.4	13.2	13.0		
22		14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3		
24		13.4	13.2	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.6		
26		12.7	12.5	12.3	12.1	11.9	11.7	11.5	11.3	11.1	10.9		

MEMBER TYPE		EFFECTIVE SPAN (7.3)											
SCAFFOLD ROOF TRUSS/RAFTER WITH RAY	SCAFFOLD ROOF TRUSS/RAFTER WITH RAY	8	10	12	14	16	18	20	22	24	26		
2x4 SMB	10.1	9.4	8.8	8.4	8.0	7.7	7.3	6.8	6.2	5.9			
2x5 SMB	12.5	11.6	11.0	10.4	9.9	9.5	9.0	8.2	7.7	7.1			
2x6 SMB	17.4	16.6	16.4	15.9	15.5	15.1	14.9	13.8	12.9	12.1			
2x7 SMB	19.3	18.6	17.9	17.4	17.2	16.7	16.4	15.9	15.5	14.8			
2x8 SMB	23.6	23.1	22.5	21.9	21.2	20.9	20.5	20.1	19.4	18.7			
2x9 SMB	25.0	24.3	24.0	23.5	22.8	22.0	21.6	21.1	20.5	19.7			
2x10 SMB	31.9	31.1	30.3	29.7	29.3	28.7	27.9	27.2	26.4	25.8			
2x5 TTB	18.3	17.5	17.1	16.6	16.2	15.8	15.4	14.8	14.5	13.9			
2x7 TTB	21.7	21.0	20.5	20.0	19.4	19.1	18.5	18.0	17.5	17.0			
2x9 TTB	27.7	26.8	26.1	25.5	25.1	24.6	24.0	23.4	22.7	22.4			
COMPOSITE ROOF SPAN OF 6'-0"													

MEMBER TYPE		SCHEMATIC TRUSS (FEET)											
		8	10	12	14	16	18	20	22	24	26		
2x4 SMB	7.9	7.4	6.9	6.6	6.3	6.1	5.8	5.3	4.9	4.6			
2x5 SMB	9.9	9.2	8.6	8.2	7.8	7.5	7.1	8.5	6.1	5.8			
2x6 SMB	13.7	13.2	12.9	12.5	12.2	11.9	11.4	10.9	10.1				
2x7 SMB	15.2	14.7	14.1	13.7	13.3	13.2	12.9	12.5	12.2	11.7			
2x8 SMB	18.6	18.2	17.7	17.3	16.7	16.5	16.1	15.8	15.3	14.9			
2x9 SMB	19.7	19.1	18.9	18.5	18.0	17.4	17.0	16.6	16.1	15.5			
2x10 SMB	25.1	24.4	23.9	23.4	23.1	22.6	22.1	21.4	20.8	20.4			
2x5 TFB	14.4	13.8	13.3	12.7	12.5	12.1	11.7	11.4	10.9				
2x7 TFB	17.1	16.6	16.1	15.8	15.5	15.0	14.6	14.2	13.8	13.4			
2x9 TFB	21.8	21.1	20.6	20.1	19.8	19.4	18.9	18.4	17.9	17.6			
COMPOSITE ROOF SPAN OF 14'-0"													

3x3x0.060 COLUMN SCHEDULE FOR SOLID ROOF/5' REIN ENCLOSE COMBO												
KESTER ROOF TRIBUTARY WIDTH (FT.)		MAXIMUM HEIGHT (FT.)										
		8	10	12	14	16	18	20	22	24	26	
COL. TRIBUTARY WIDTH SPACING (FT.)	8	17.8	17.6	17.4	17.2	17.0	16.8	16.6	16.4	16.2	16.0	
	10	16.8	16.6	16.4	16.2	16.0	15.8	15.6	15.4	15.2	15.0	
	12	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.3	14.1	
	14	14.9	14.7	14.5	14.3	14.1	13.9	13.7	13.5	13.3	13.1	
	16	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4	12.2	
	18	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.6	11.4	11.2	
	20	12.0	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2	
	22	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	
	24	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.3	
	26	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.3	

35300.000 (COLUMN SPACING)		MAXIMUM HEIGHT (FT.)											
IKENEN ROOF TRIBUTARY WIDTH (FT.)	COL. TRIBUTARY WIDTH SPACING (FT.)	8	10	12	14	16	18	20	22	24	26		
8	16.7	16.5	16.3	16.1	15.9	15.7	15.5	15.3	15.1	14.9			
10	15.5	15.3	15.1	14.9	14.7	14.5	14.3	14.1	13.9	13.7			
12	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4			
14	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.6	11.4	11.2			
16	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.9			
18	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.7			
20	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5			
22	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2			
24	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0			
26	5.6	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.7			
COMPOSITE ROOF SPAN OF 18'-0"													

MEMBER TYPE		EFFECTIVE SPAN (FT)											
		8	10	12	14	16	18	20	22	24	26		
STEEL ROOF TRUSS/RAFTER (W/OUT FTG)	2x4 S4B	8.9	8.3	7.8	7.4	7.1	6.8	6.5	6.0	5.5	5.5		
	2x6 S4B	11.1	10.3	9.7	9.2	8.8	8.4	8.0	7.3	6.8	6.2		
	2x6 S4B	15.4	14.8	14.1	13.7	13.4	13.2	12.8	12.2	11.4	10.4		
	2x7 S4B	17.1	16.4	15.8	15.4	15.2	14.8	14.5	14.1	13.7	13.1		
	2x8 S4B	20.9	20.4	19.9	19.4	18.8	18.5	18.1	17.8	17.2	16.7		
	2x9 S4B	22.1	21.5	21.2	20.8	20.2	19.5	19.1	18.7	18.1	17.4		
	2x10 S4B	28.2	27.4	26.8	26.3	25.9	25.4	24.7	24.1	23.4	22.9		
	2x5 TTB	16.2	15.5	14.7	14.3	14.0	13.6	13.1	12.8	12.2	11.5		
2x7 TTB	19.2	18.6	18.1	17.7	17.2	16.9	16.4	15.9	15.5	15.0			
2x9 TTB	24.5	23.7	23.1	22.6	22.2	21.8	21.2	20.7	20.1	19.8			
COMPOSITE ROOF SPAN OF 10'-0"													

SCENERY ROOF SITUATION WIDTH (FT.)		8	10	12	14	16	18	20	22	24	26
MEMBER TYPE		7.0	6.6	6.2	5.8	5.6	5.4	5.1	4.7	4.3	4.1
2x4 SMB		8.8	8.1	7.7	7.3	7.0	6.6	6.3	5.8	5.4	5.0
2x5 SMB		12.2	11.7	11.5	10.8	10.6	10.4	10.1	9.6	9.0	
2x6 SMB		13.5	13.0	12.5	12.2	12.0	11.7	11.5	11.1	10.8	10.3
2x8 SMB		16.5	16.1	15.7	15.3	14.9	14.6	14.3	14.1	13.6	13.2
2x9 SMB		17.5	17.0	16.7	16.4	16.0	15.4	15.1	14.8	14.3	13.7
2x10 SMB		22.3	21.6	21.2	20.8	20.5	20.1	19.7	19.0	18.5	18.1
2x5 TTB		12.8	12.2	11.9	11.6	11.3	11.1	10.9	10.3	10.1	9.6
2x7 TTB		15.2	14.7	14.3	14.0	13.6	13.4	13.0	12.6	12.2	11.9
2x9 TTB		19.4	18.7	18.2	17.9	17.5	17.2	16.7	16.4	15.9	15.6

COMPOSITE ROOF SPAN OF 18'-0"

33X30, 692 COLUMN SCHEDULE FOR SOLID ROOF/5% GREEN ENCLOSURE COMBO														
COL. TRIBUTARY WIDTH SPACING (FT.)		MAXIMUM HEIGHT (FT.)												
ROOF RISE TRIBUTARY WIDTH (FT.)		8	10	12	14	16	18	20	22	24	26	28	30	32
8	20.9	20.7	20.6	20.5	20.3	20.2	20.1	19.9	19.8	19.7	19.5	19.4	19.3	19.1
10	20.6	20.5	20.3	20.2	20.1	19.9	19.8	19.7	19.5	19.4	19.3	19.1	19.0	18.8
12	20.3	20.2	20.0	19.9	19.8	19.7	19.5	19.4	19.3	19.1	19.0	18.8	18.7	18.5
14	20.0	19.9	19.8	19.6	19.5	19.4	19.2	19.1	19.0	18.8	18.7	18.5	18.4	18.2
16	19.8	19.6	19.5	19.4	19.2	19.1	19.0	19.8	19.7	19.6	19.4	19.3	19.1	19.0
18	19.5	19.4	19.2	19.1	19.0	18.8	18.7	18.6	18.4	18.3	18.2	18.0	17.9	17.8
20	19.2	19.1	19.0	18.8	18.7	18.6	18.4	18.3	18.2	18.0	17.9	17.8	17.6	17.5
22	19.0	18.8	18.7	18.6	18.4	18.3	18.2	18.0	17.9	17.8	17.6	17.5	17.3	17.2
24	18.7	18.4	18.3	18.2	18.0	17.9	17.8	17.6	17.5	17.3	17.2	17.0	16.9	16.7
26	18.4	18.3	18.1	18.0	17.9	17.7	17.6	17.4	17.3	17.1	17.0	16.8	16.7	16.5

COMPOSITE ROOF SPAN OF 6'-0"

HEIGHTS MAY BE INTERPOLATED, BUT NOT EXTRAPOLATED

ICEBERG ROOF TRIBUTARY WIDTH (FT.)	MAXIMUM HEIGHT (FT.)											
	8	10	12	14	16	18	20	22	24	26	COMB	
8	20.1	20.0	19.9	19.7	19.6	19.5	19.3	19.2	19.1	18.9		
10	19.7	19.5	19.4	19.3	19.1	19.0	18.9	18.8	18.6	18.5		
12	19.2	19.1	19.0	18.8	18.7	18.6	18.4	18.3	18.2	18.0		
14	18.8	18.6	18.5	18.4	18.2	18.1	18.0	17.8	17.7	17.4		
16	18.3	18.2	18.1	17.9	17.8	17.7	17.5	17.4	17.3	17.1		
18	17.9	17.7	17.6	17.5	17.3	17.2	17.1	16.9	16.8	16.6		
20	17.4	17.3	17.1	17.0	16.9	16.8	16.6	16.5	16.4	16.2		
22	17.0	16.8	16.7	16.6	16.4	16.3	16.2	16.0	15.9	15.8		
24	16.5	16.4	16.2	16.1	16.0	15.8	15.7	15.6	15.5	15.3		
26	16.1	15.9	15.8	15.7	15.5	15.4	15.3	15.1	15.0	14.9		

COMPOSITE ROOF SPAN OF 10'-0"

HEIGHTS MAY BE INTERPOLATED, BUT NOT EXTRAPOLATED.

NOTES:

1. ALL ALUMINUM FRAME MEMBER
TYPE TERRAIN. IF EXPOSURE C IS 15
WITH A HEIGHT RANGE OF 10'-15'
BY 0.781. 120'-25'; MULTIPLY SPAN

SHOWN ARE CALCULATED FOR EXPOSURE B
D. THEN USE THE MULTIPLIERS AS FOLLOWS:
MULTIPLY SPAN BY 0.83, 115-20'; MULTIPLY SPAN
41, 125-30'; MULTIPLY SPAN BY 0.71.

SCREEN DOOR TRIBUTARY WIDTH (FT.)		MAXIMUM HEIGHT (FT.)											
		9	10	12	14	16	18	20	22	24	26		
COL. TRIBUTARY WIDTH SPACING (FT.)	8	19.4	19.3	19.1	19.0	18.9	18.7	18.6	18.5	18.4	18.3	18.2	18.1
	10	18.8	18.6	18.5	18.4	18.2	18.1	18.0	17.9	17.7	17.6	17.5	17.4
	12	18.1	18.0	17.9	17.7	17.6	17.5	17.3	17.2	17.1	17.0	16.9	16.8
	14	17.5	17.4	17.2	17.1	17.0	16.8	16.7	16.6	16.5	16.4	16.3	16.2
	16	16.9	16.7	16.6	16.5	16.3	16.2	16.1	15.9	15.8	15.5	15.2	15.1
	18	16.2	16.1	16.0	15.8	15.7	15.6	15.4	15.3	15.2	15.1	15.0	14.9
	20	15.6	15.5	15.3	15.2	15.1	14.9	14.8	14.7	14.5	14.4	14.3	14.2
	22	15.0	14.8	14.7	14.6	14.4	14.3	14.2	14.0	13.9	13.8	13.7	13.5
	24	14.3	14.2	14.1	13.9	13.8	13.7	13.5	13.4	13.3	13.2	13.1	12.9
	26	13.7	13.6	13.4	13.3	13.2	13.0	12.9	12.8	12.6	12.5	12.4	12.2

3X30 COL COLUMN SCHEDULE FOR SOLID ROOF/SCREEN ENCLOSED COMB												
3X30 COL TRIBUTARY WIDTH (FT.)	8	10	12	14	16	18	20	22	24	26		
SCREEN HEIGHT (FT.)	MAXIMUM HEIGHT (FT.)											
8	18.7	18.5	18.4	18.3	18.2	18.0	17.9	17.8	17.6	17.5		
10	17.9	17.7	17.6	17.5	17.3	17.2	17.2	17.1	16.9	16.8		
12	17.1	16.9	16.8	16.7	16.5	16.4	16.3	16.1	16.0	15.9		
14	16.2	16.1	16.0	15.8	15.7	15.6	15.4	15.3	15.2	15.1		
16	15.4	15.3	15.2	15.0	14.9	14.8	14.6	14.5	14.4	14.3		
18	14.6	14.5	14.4	14.2	14.1	13.9	13.8	13.7	13.6	13.5		
20	13.8	13.7	13.5	13.4	13.3	13.1	12.9	12.7	12.6	12.5		
22	13.0	12.8	12.7	12.6	12.5	12.3	12.2	12.1	11.9	11.8		
24	12.2	12.0	11.9	11.8	11.6	11.5	11.4	11.2	11.1	11.0		
26	11.3	11.2	11.1	11.0	10.8	10.7	10.6	10.4	10.3	10.2		

33X30.125 COLUMN SCHEDULE FOR SOLID ROOF/SCREEN ENCLOSURE COMBO												
SCAFFOLD ROOF TRIBUTARY WIDTH (FT.)	8	10	12	14	16	18	20	22	24	26	28	30
MAXIMUM HEIGHT (FT.)	20.7	20.6	20.5	20.4	20.3	20.2	20.1	20.0	19.9	19.9	19.9	19.9
8	20.7	20.6	20.5	20.4	20.3	20.2	20.1	20.0	19.9	19.9	19.9	19.9
10	20.4	20.3	20.2	20.1	20.0	19.9	19.8	19.7	19.6	19.6	19.6	19.6
12	20.0	19.9	19.8	19.7	19.6	19.5	19.4	19.3	19.2	19.2	19.2	19.2
14	19.7	19.6	19.5	19.4	19.3	19.2	19.1	19.0	18.9	18.9	18.9	18.9
16	19.4	19.3	19.2	19.1	19.0	18.9	18.8	18.7	18.6	18.6	18.6	18.6
18	19.0	18.9	18.8	18.7	18.6	18.5	18.4	18.3	18.2	18.2	18.2	18.2
20	18.7	18.6	18.5	18.4	18.3	18.3	18.1	18.0	17.9	17.9	17.9	17.9
22	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.6	17.5	17.5	17.5	17.5
24	18.0	17.9	17.8	17.7	17.6	17.5	17.4	17.3	17.2	17.2	17.2	17.2
26	17.7	17.6	17.5	17.4	17.3	17.2	17.1	17.0	16.9	16.9	16.9	16.9
ROOF TRIBUTARY WIDTH SPACING (FT.)												

4x6x10 125 COLUMN SCHEDULER FOR SOLID ROOFS/SCREEN ENCLOSURE COMB												
ICE/RAIN ROOF TRIBUTARY WIDTH (FT.)		MAXIMUM HEIGHT (FT.)										
		8	10	12	14	16	18	20	22	24	26	28
8		21.2	21.1	21.0	20.9	20.9	20.8	20.7	20.7	20.6	20.5	20.4
10		20.9	20.8	20.8	20.7	20.6	20.5	20.5	20.4	20.3	20.2	20.1
12		20.7	20.6	20.5	20.4	20.4	20.3	20.2	20.1	20.1	20.0	20.0
14		20.4	20.3	20.3	20.2	20.1	20.0	20.0	19.9	19.8	19.7	19.6
16		20.2	20.1	20.0	19.9	19.9	19.8	19.7	19.6	19.5	19.4	19.3
18		19.9	19.8	19.8	19.7	19.6	19.5	19.5	19.4	19.3	19.2	19.1
20		19.7	19.6	19.5	19.4	19.4	19.3	19.2	19.1	19.0	18.9	18.8
22		19.4	19.3	19.3	19.2	19.1	19.0	18.9	18.7	18.6	18.5	18.4
24		19.1	19.1	19.0	18.9	18.9	18.8	18.7	18.6	18.5	18.4	18.3
26		18.9	18.8	18.8	18.7	18.6	18.5	18.5	18.4	18.3	18.2	18.1

ROBERT C. SCROGGINS
LICENSE
★
STRUCTURAL CONCEPTS
& DESIGN
★

HEIGHTS MAY BE INTERPOLATED, BUT NOT EXTRAPOLATED

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COMPOSITE ROOF SYSTEMS
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—405 EDUCLAS AVENUE

1. ALL ALUMINUM FRAME MEMBER TABLES SHOWN ARE CALCULATED FOR EXPOSURE TYPE TERRAIN. IF EXPOSURE C IS NEEDED, THEN USE THE MULTIPLIER AS FOLLOWS: WITH A HEIGHT RANGE OF 10-15: MULTIPLY SPAN BY 0.831, 15-20: MULTIPLY SPAN BY 0.781, 20-25: MULTIPLY SPAN BY 0.741, 25-30: MULTIPLY SPAN BY 0.711.


[illegible]

To the best of the Design Engineer's knowledge, the plans and specifications for this project comply with the applicable minimum building codes as determined by the local authority in accordance with the Florida Statutes.

Project:

Residential Pool Screen Enclosure

Structural Column & Beam Schedules

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 07/11/2011	Client: 	
	REV.	DESCRIPTION
	DATE	

Client:  **Florida Pool Enclosures, Inc**
Committed to Your Satisfaction