DATE 03/24/2009

INSPECTORS OFFICE

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted of	on Premises During Construction 000027705	
APPLICANT CRAIG TIMBERLAKE	PHONE 352 472-6850	
ADDRESS 25370 NW 8TH PLACE	NEWBERRY FL 32669	_
OWNER BILL & SUSAN LAGONI	PHONE 317 932-8898	
ADDRESS 267 SW CHALLENGER LN	LAKE CITY FL 32025	
CONTRACTOR CARL R HELMS	PHONE 352 472-6850	
LOCATION OF PROPERTY 47S, TR MARVIN BURNETTE,T	L DEANNA, TR BAMBI,TL WINGS, TR	
CHALLENGER, 2ND HOME ON	and the state of t	
TYPE DEVELOPMENT POOL ENCLOSURE EST	TIMATED COST OF CONSTRUCTION 4168.00	
HEATED FLOOR AREA TOTAL ARE	EA HEIGHT STORIES _	
FOUNDATION WALLS R	ROOF PITCH FLOOR	
LAND USE & ZONING RSF-2	MAX. HEIGHT	
Minimum Set Back Requirments: STREET-FRONT 25.00	REAR 15.00 SIDE 10.00	
NO. EX.D.U. 1 FLOOD ZONE N/A	DEVELOPMENT PERMIT NO.	
PARCEL ID 07-4S-17-08106-108 SUBDIVISION	N COUNTRY LANDINGS	
LOT 8 BLOCK PHASE UNIT	TOTAL ACRES 0.50	_
SCC056710	1	
Driveway Connection Septic Tank Number LU & Zonir COMMENTS:		_
	Check # or Cash 1821	
FOR BUILDING & ZONIN	NG 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 Insulation date/app. by date	te/app. by	
date/app. by		
Rough-in plumbing above slab and below wood floor	Electrical rough-in date/app. by	
Heat & Air Duct Peri. beam (Linte	accoupp. of	
date/app. by	date/app. by date/app. by	
Permanent power C.O. Final	Culvert	
WOUNDED TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE	date/app. by date/app. by downs, blocking, electricity and plumbing	
date/app. by date/app. by		
Reconnection RV	date/app. by	
A. A. Carrier St.	Re-roof	
date/app. by	date/app. by Re-roof date/app. by	
BUILDING PERMIT FEE \$ 25.00 CERTIFICATION FE	date/app. by Re-roof date/app. by	
	Re-roof date/app. by SE\$ 0.00 SURCHARGE FEE\$ 0.00	

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."

CLERKS OFFICE

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. STATE OF FLORIDA, COUNTY OF COLUMBIA

STATE OF FLORIDA, COUNTY OF COLUMBIA

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Date:

27705

Inst:200912005222 Date:3/31/2009 Time:8:11 AM DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1170 P:603

	. *	
NOTICE OF COMMENCEMENT	Yo Cily	
STATE OF FLORIDA COUNTY OF	WC C P	
THE UNDERSIGNED hereby gives notice that improvement(s) will be made to certain real in accordance with Chapter713, Florida Statutes, the following information is provided in the		
Commencement. Lourty Landings S/O. ORB 820-229, w0 1032-753 life Est. wo 1075-1730, LONG w0 1154-2539, 254	<u> </u>	
1160 Fet WO 1075 -1730, LOPP WO 1154-2539, 25	47	
DESCRIPTION OF PROPERTY:	S RANGE /7	
E DY COLL	RANGE 17	
TAX PARCEL# 07 45-17-0810(2=108)		
SUBDIVISION: CONATCY LANDINGS		
MAP PAGE#		
STREETADDRESS: 267 OW Challenger AVE.	_	
Lalle City FI 3282		
GENERAL DESCRIPTION OF IMPROVEMENT:		
TO CONSTRUCT: Screen Enclosure		
OWNER INFORMATION:		
OWNER(S)NAME: BILL & Swan Lagon PHONE		
ADDRESS: 267 SW CHALLENGE LANE	ZIP 32025	
CITY. JAVE CITY		
INTEREST IN THE PROPERTY: Owner		
FEE SIMPLE TITLEHOLDER NAME: 17 TT		
FEE SIMPLE TITLEHOLDER ADDRESS:(IF OTHER THAN OWNER)		
CONTRACTOR NAME: Timber (alle Muninum const. Inc.		
CONTRACTOR NAME: Timber (allo Aluminum 2005). INC.		
Address: 25370 NW 9th Pl New Berry 1-L 32669		
BONDING COMPANY: N/AADDRESS: N/A PHONE NUMBER N/A CITY: N/A STATE N/A ZIP CODE: N/A		
V		
LENDER NAME: None ADDRESS :n/a PHONE N/A		
ADDRESS 1/A		
CITY:N/A STATE N/A _Zip: N/A		
Prepared by: Peeler Pools, Inc. (Raymond Peeler)		
Return to: Peeler Pools, Inc. 9878 S. US Hwy 441 Lake City, Fl 32025		
Persons within the State of Florida designated by Owner upon whom notices or other docu	uments may be	
served as provided by Section 713.13(1) (a) 7., Florida Statutes.		
ADDRESS: NA		
Raymond Peeler of Peeler Fools, inc.		
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Sta	atutes.	
Expiration date is 1 year from date of seconding unless a different date is specified.		
Miles Constitution of the		
SIGNATURE OF OWNER Justin L. Lagure	of Down	
SWORN to and subscribed before me this day of day of day of day of day of	01_200	
Notary PublicMy commission expires	(.070.	~~
110000 - 0 3 0	ALICE B PEE	
Signature: Nice & Coll	MY COMMISSION #	
AND THE REAL PROPERTY OF THE P	EXPIRES: Sept. (407) 398-0153 Florida Notary Se	
***WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION	NOF NOTICE OF	~~
***WARNING TO OWNER: ANY PAYMENTS MADE BY THE UWNER AFTER THE PARTY	SECTION 713 13.	

***WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOURPAYING 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 AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Columbia County Building Permit Application

For Office Use Only Application # 0803.33 Date Received 3/19/09 By Fermit # 27705
Zoning Official Date 3/20/07 Flood Zone M/A FEMA Map # Zoning 6 54-2
Land Use Elevation MFE River Plans Examiner ND Date 3-19-09
Comments □ NØC DEH Deed or PA Dite Plan □ State Road Info □ Parent Parcel #
□ Dev Permit # □ In Floodway □ Letter of Authorization from Contractor
□ Unincorporated area □ Incorporated area □ Town of Fort White □ Town of Fort White Compliance letter
Septic Permit No Fax _ 351-471-6855
Name Authorized Person Signing Permit + ARRY Cole Cong Timbellate Phone 351-412-6850
Address 25370 NW 8 pl NEW BERRY F1 32669
Owners Name William LAgoni Phone
911 Address 267 Sw. Challengare Hora LAKE City F/ 32025
Contractors Name Timbrielakie Aluminum Coust. Ine Phone 351-472-6850
Address 25370 Nw 8pl NEWBRURY Fl 31669
Fee Simple Owner Name & Address William LAGONI 269 Sw Challengine Aur L.C. 32025
Bonding Co. Name & Address
Architect/Engineer Name & Address LAWARNER BRUNKH P.O.Box 214368 S. DAyfond Fl 32/2/
*Mortgage Lenders Name & Address
Circle the correct power company — FL Power & Light — Clay Elec. — Suwannee Valley Elec. — Progress Energy
Property ID Number 09-45-17-08106-108 Estimated Cost of Construction 4/168
Subdivision Name Country Landings Lot 8 Block Unit Phase
Driving Directions 418 TO 47 Bon MARUIN BURNET (DONTO DRANNA TER, BONTO
BAMBILA Douto Wings TER, @ ONTO CHADLERSAN LA, TO 267 5W CHALLERSAN LANA
Number of Existing Dwellings on Property
Construction of Pool Timelosura (, Total Acreage > 50 Lot Size
Do you need a - <u>Culvert Permit</u> or <u>Culvert Waiver</u> or <u>Have an Existing Drive</u> Total Building Height
Actual Distance of Structure from Property Lines - Front 60 Side 34 Side 60 Rear 15
Number of Stories 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.

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

Revised 11-30-07

Columnia county banding , come spendanon

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.

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 COMMENCMENT 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 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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Susan J. Lagoni 6/30/08
Owners Signature

<u>CONTRACTORS AFFIDAVIT:</u> 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.

SEAL:

Contractor's Signature (Permitee)

Contractor's License Number <u>SCC 056710</u>
Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 30 day of

Personally known ____ or Produced Identification_____

ALICE B PEELER
MY COMMISSION # DD472231
EXPIRES: Sept. 15, 2009

Florida Notary Service.com

(407) 398-0153

State of Florida Notary Signature (For the Contractor)

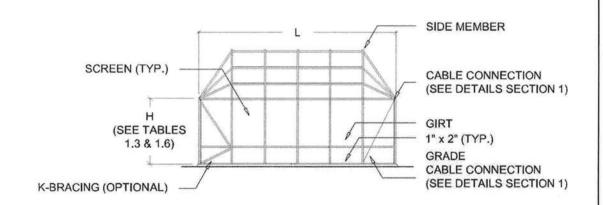
Page 2 of 2 (Both Pages must be submitted together.)

Revised 1-10-08

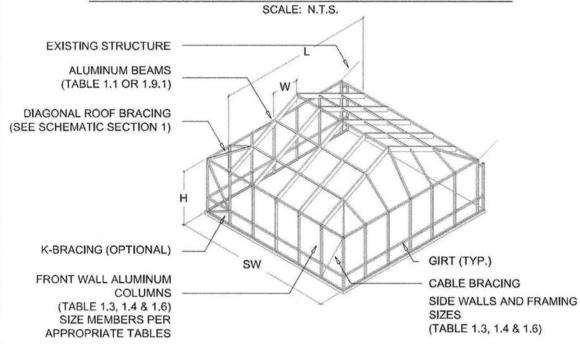
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LIFE EST. WD 1075-1730, WD 1154-2539,2541	, CORR	REV	REV TRUST INDIANAPOLIS, IN 46268		APPR 8/04/2008 APPR 5/13/2004	Q tri
BATI FIX BDRS	AE BATH FIXT BDRM RMS	C.		.000 INDEX 73.291 E-RATE BLDG VAL	7417.04 CNTRY LAND .000 INDX STR 7- 48 AYB MKT AREA 06 EYB (PUD1	3 000000 VA
S S S S S S S S S S S S S S S S S S S	UNTS C-W% HGHT PMTR STYS	H H # # #	OH	LANDING	A	.497 57,000 LAND 0 AG 0 MKAG 57,000 JUST 0 CLAS
EC FU SP SP	ECON FUNC SPCD DEPR	* * * * *			# LOT # MAP# 97C # TXDT 002	0 SOHD 0 ASSD 0 EXPT 0 EXPT 0 COUYBL
8888E	12889 1284-3	* * * * *				BLDG TRAVERSE
	19-19-19-19-19-19-19-19-19-19-19-19-19-1				** ** ** **	
A-AREA % E-AREA	0/0	SUB VALUE #			# NUMBER DESC # 26570 SFR	DESC PERMITS DESC AMT ISSUED 944 1/03/2008
	ě	* * * * * * *	e same		# BOOK PAGE # 1075 1730 # GRANTOR JOHN B # GRANTEE WILLIAN # 1032 755 # GRANTOR F C CAI	AGE DATE
TOTAL EXTRA FEATURES AE BN CODE DESC	LEN	WID	HGHT QTY QL YR	FIELD CK: UNITS UT	PRICE ADJ UT PR S	
CODE TO	ZONE ROAD TOPO UTIL RSF-1 0007	{ 881 887	UD3 FRONT DEPTH FI UD4 BACK DT 116 187 1.0	FIELD CK: ADJUSTMENTS .00 1.00 1.00 1.00	UNITS UT PRICE	ADJ UT PR LAND VALUE 57000.00 57.000
- 0.50 AC.		~				

L001 - 0.50 AC. 2008

SCREENED ENCLOSURES



TYPICAL MODIFIED HIP ROOF - FRONT WALL ELEVATION



TYPICAL MODIFIED HIP ROOF - ISOMETRIC SCALE: N.T.S.

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

CIVIL & STRUCTURAL ENGINEERING

P.O. Box 214368, South Daytona, Fl 32121

Telephone #: (386) 767-4774 Fax #: (386) 767-6556

Email: lebpa@bellsouth.net

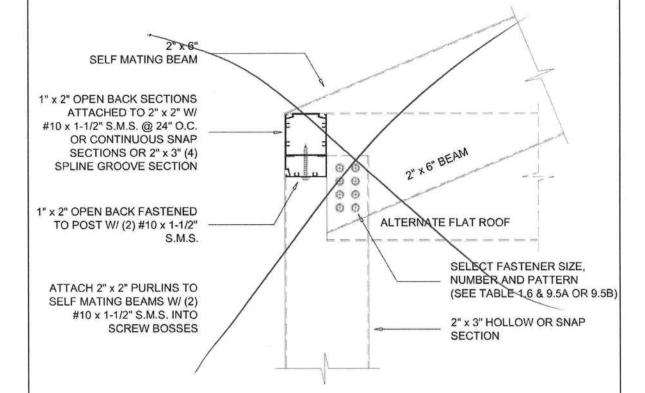
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1-6



MINIMUM POST SIZES REQUIRED FOR EACH BEAM SIZE (SEE TABLE 1.6)



SLOPING BEAM TO UPRIGHT CONNECTION DETAIL (PARTIAL LAP)

SCALE: 3" = 1'-0"

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

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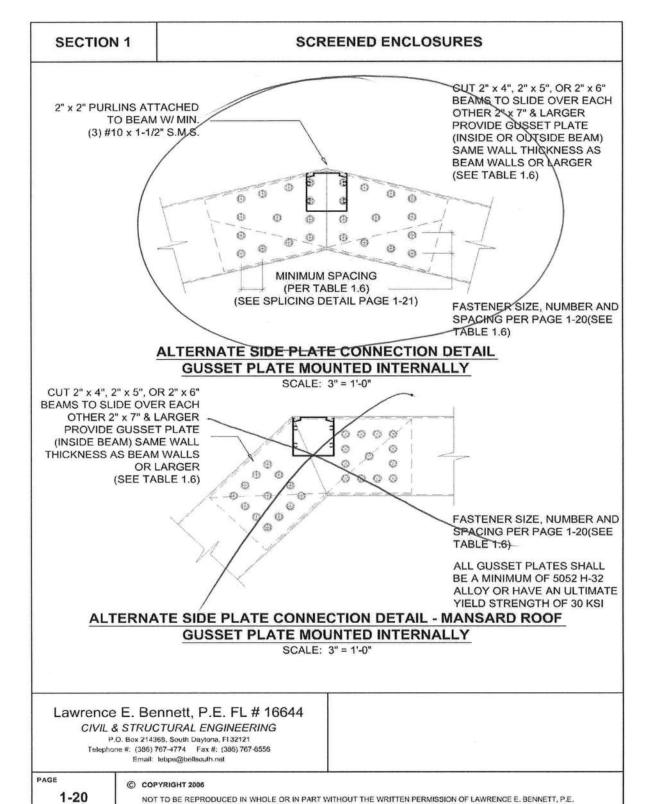
P.O. Box 214368, South Daytona, Fl 32121 Telephone #: (386) 767-4774 Fax #: (386) 767-6556 Email: lebpe@bellsouth.net

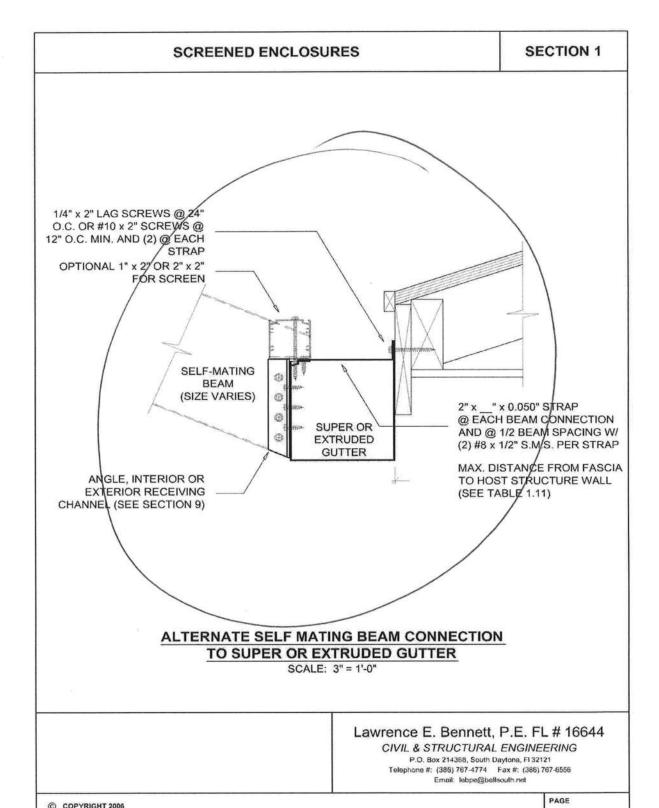
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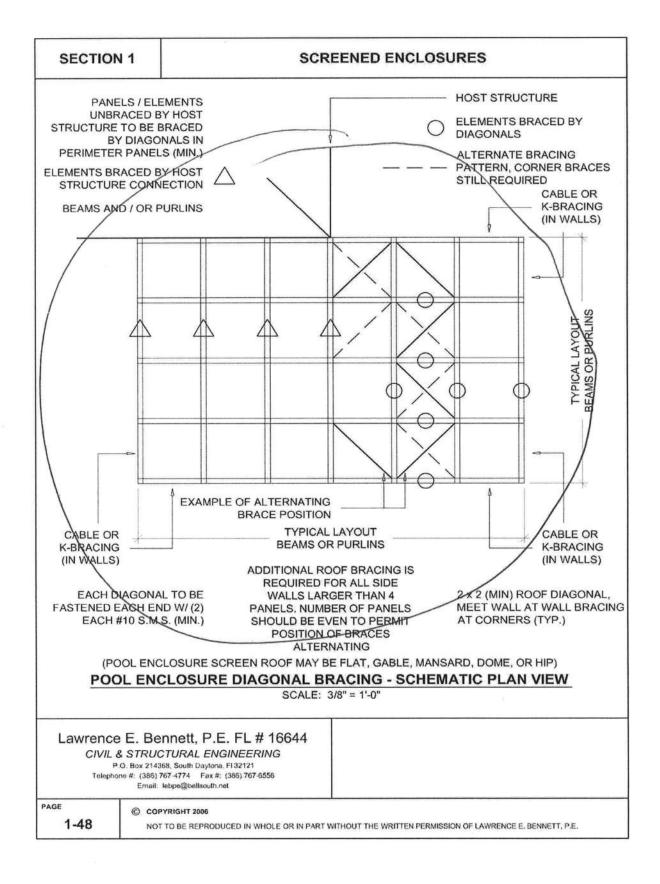
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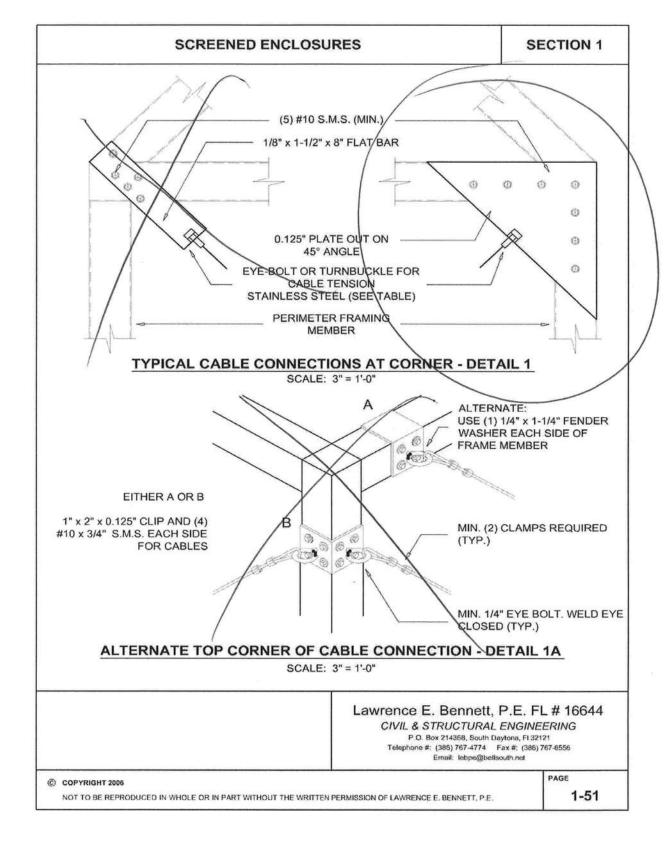


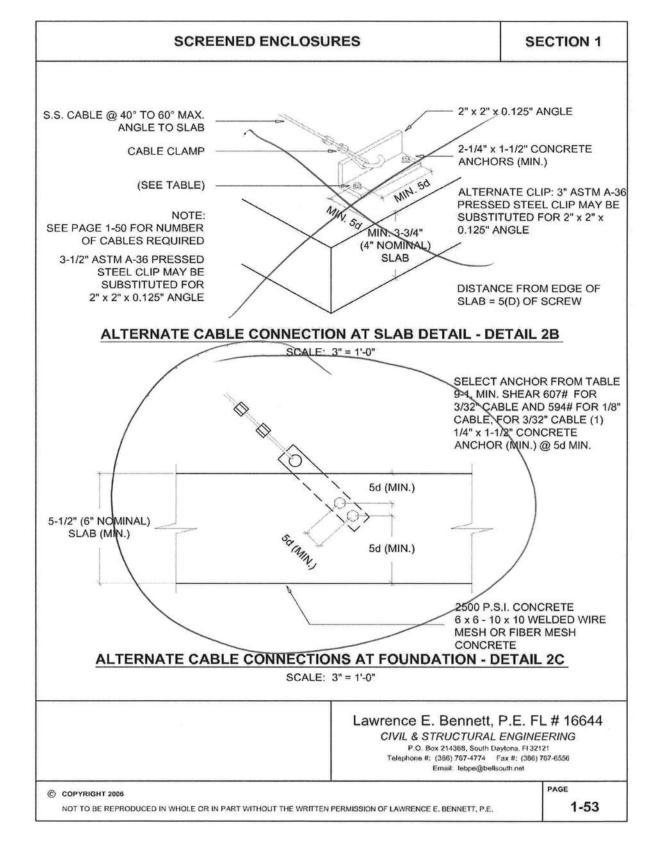


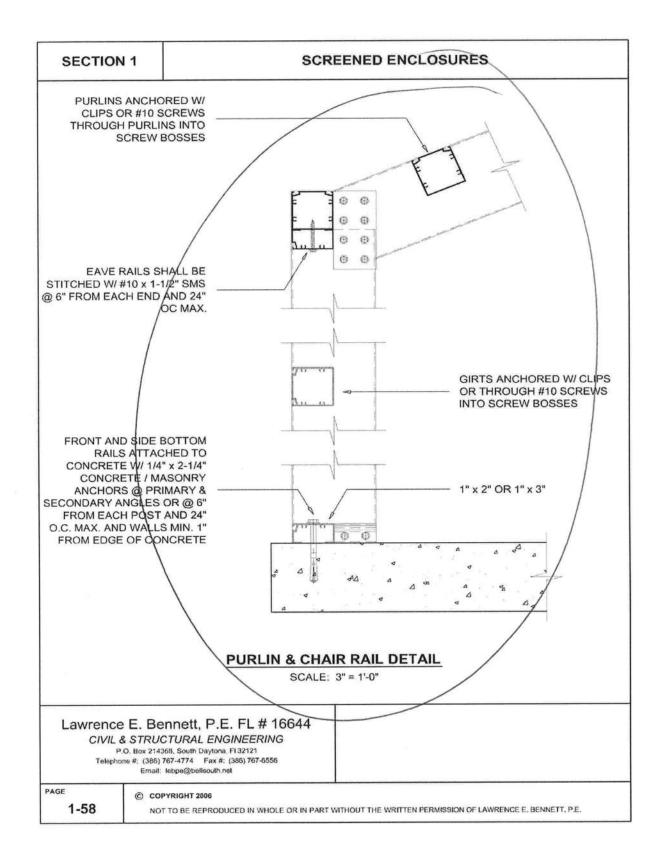
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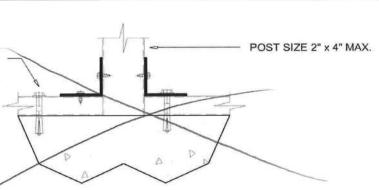


SCREENED ENCLOSURES

SECTION 1

1" x 2" EXTRUSION ANCHOR TO CONCRETE W/ CONCRETE ANCHORS OR THRU PRIMARY ANGLE 6" MAX. EACH SIDE OF EACH POST AND @ 24" O.C. MAX. SELECT CONCRETE ANCHORS FROM SECTION 9

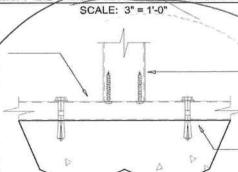
> MIN. 3-1/2" SLAB 2500 P.S.I. CONCRETE 6 x 6 - 10 x 10 WELDED WIRE MESH OR FIBER MESH CONCRETE



SIDE WALL POST TO PLATE TO CONCRETE DETAIL

1" x 2" EXTRUSION ANCHOR TO CONC. W/ CONC. ANCH. 6" MAX. EA. SIDE OF EA. POST AND @ 24" O.C. MAX. SELECT CONCRETE ANCHORS FROM SECTION 9

MIN. 3-1/2" SLAB 2500 P.S.I. CONC. 6 x 6 - 10 x 10 W.W.M. OR FIBER MESH CONC.



2" x 2", 2" x 3" OR 2" x 4" HOLLOW SECTION (SEE TABLES)

MIN. (3) #10 x 1-1/2" S.M.S. INTO SCREW BOSSES

MASONRY AND HOR @ 6" EA. SIDE OF POST AND @ 24" O.C. MAX. SELECT CONCRETE ANCHORS FROM SECTION 9

SIDE WALL HOLLOW POST TO BASE DETAIL

SCALE: 3" = 1'-0"

POOL ENCLOSURE UPRIGHT TO DECK ANCHOR REQUIREMENTS

General Notes and Specifications:

 The uplift load on a pool enclosure upright is calculated as 1/2 the beam span x the beam spacing x the screen load of 7# / Sq. Ft. EXAMPLE:

FOR A 2" x 6" BEAM WITH A SPAN OF 23' AND A BEAM & UPRIGHT SPACING OF 7' USE: 1/2 x 17'-11" x 7' x 10# / Sq. Et = 627.2# UPLIFT

- 2. Table 1.6 of this manual uses the worst case loads for all cases.
- 3. In all cases there must be a primary anchor within 6" of each side of the upright.
- 4. For attachment to wood deck (min. 2" nominal thickness) use wood anchors with details shown above (min. 1-3/8" embedment).

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

CIVIL & STRUCTURAL ENGINEERING

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Telephone #: (386) 767-4774 Fax #: (386) 767-6556
Email: lebpe@bellsouth.net

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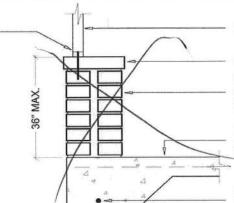
1-61

SCREENED ENCLOSURES

SECTION 1

1/4" x 6" RAWL TAPPER THROUGH 1" x 2" AND ROWLOCK INTO FIRST COURSE OF BRICKS

ALTERNATE CONNECTION OF SCREENED ENCLOSURE FOR BRICK OR OTHER NON-STRUCTURAL KNEE WALL 1" WIDE x 0.063" THICK STRAP @ EACH POST FROM POST TO FOOTING W/ (2) #10 x 3/4" S.M.S. STRAP TO POST AND (1) 1/4" x 1-3/4" CONCRETE ANCHOR TO SLAB OR FOOTING



ALUMINUM FRAME SCREEN WALL

CAP BRICK

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

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

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

BRICK KNEEWALL AND FOUNDATION FOR SCREEN WALLS -SCALE: 3/4" = 1'-0"

(2) #3 BAR CONT. OR (1) #5 BAR CONT. 1" PER FT. MAX. FOR 3-1/2" (TYP. 2'-0" MIN. ALL SLABS) BEFORE SLOPE 8"

TYPE I FLAT SLOPE / NO FOOTING 0-2" / 12"

TYPE II MODERATE SLOPE FOOTING 2" / 12" - 1'-10"

(1) #5 BAR CONT. (3) #3 BAR CONT. OR 1'-0' TYPE III STEEP SLOPE FOOTING > 1'-10"

otes for all foundation types:

↑ The foundations shown are based on a minimum soil bearing pressure of 1,500 PSF. Bearing capacity of soil shall be verified prior to placing slab by field soil test (soil penetrometer) or a soil testing lab-

- 2. The slab / foundation shall be cleared of debris, roots and compacted prior to placement of concrete.
- 3. No footing is required except when addressing erosion until the slab width in the direction of the primary beams exceeds the span per table on page 1-69, then a type II slab is required under the load bearing wall only unless the side wall exceeds 16' in height or the enclosure is in a "C" exposure catagory in which case a type II footing is required.
- 4. Monolithic slabs and footings shall be minimum 2,500 psi concrete with 6 x 6 10 x 10 welded wire mesh or crack control fiber mesh; Fibermesh® Mesh, InForce™ e3™ (Formerly Fibermesh MD) per manufacturer's specification may be used in lieu of wire mesh. All slabs / footings shall be allowed to cure for 7 days before installing anchors.
- 5. If local codes require a minimum footing use Type II footing or footing section required by local code. Local codes govern.

SLAB-FOOTING DETAILS

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

Lawrence E. Bennett, P.E. FL # 16644 CIVIL & STRUCTURAL ENGINEERING

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1-71

SCREENED ENCLOSURES

Table 1.1 120 Allowable Spans for Primary Screen Roof Frame Members Aluminum Alloy 6063 T-6

For Wind Zones up to 120 M.P.H., Exposure "B" and Latitudes Below 30°-30'-00" North (Jacksonville, FL) Uniform Load = 4 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

				1	ributary	Load	Width "	W' =	Beam Sp	oacin	g			
Hollow Sections	3'-0		4'-0	"	5'-0'		6'-0		7'-0		8'-0	**	9,-0	
	Allo	wabl	e Span '	L' /	Point Lo	ad (P	or Unif	orm l	oad (U)	, ben	ding (b),	defle	ction (d)
2" x 2" x 0.044"	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb
2" x 2" x 0.050"	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb
2" x 2" x 0.090"	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb
2" x 3" x 0.045"	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb
2" x 4" x 0.050"	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb
2" x 5" x 0.062"	20'-5"	Pb	20'-5"	Pb	20'-5"	Pb	20'-4"	Ud	19'-4"	Ud	18'-6"	Ud	17'-9"	Ud

			0.01	T	ributery	Load	Width	FIR	Beam Sp	acin	g			
Self Mating Sections	3'-0'		4'-0"		(-SE	8/	(6'-0'	1	7'-0'		8'-0'	•	9'-0'	
	Allo	wabl	e Span 'L	11	Point Loa	d (P) or Unife	orm l	Load (U),	ben	ding (b),	defle	ction (d))
2" x 4" x 0.044 x 0.100"	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd
2" x 5" x 0.050" x 0.100"	16'-1"	Pd	16'-1"	Pd	16:11	Pd	16' 4"	Pd	16'-1"	Pd	15'-9"	Ud	15'-1"	Ud
2" x 6" x 0.050" x 0.120")	20'-4"	Pd	20'-4"	Pd((1000)	Pd	20'-3"	Ud	19'-3"	Ud	18'-5"	Ud	17'-8"	Ud
2" x 7" x 0.055" x 0.120"	24'-9"	Pd	24'-9"	Pd	24'-6"	Ud	23-1"	Ud	21'-11"	Ud	20'-11"	Ud	20'-2"	Ud
2" x 8" x 0.072" x 0.224"	34'-2"	Pd	32'-9"	Ud	30'-5"	Ud	28'-7"	Ud	27'-2"	Ud	25'-11"	Ud	24'-11"	Ud
2" x 9" x 0.072" x 0.224"	39'-3"	Pd	35'-11"	Ud	33'-4"	Ud	31'-5"	Ud	29'-10"	Ud	28'-6"	Ud	27'-5"	Ud
2" x 9" x 0.082" x 0.310"	42'-5"	Ud	38'-7"	Ud	35'-10"	Ud	33'-8"	Ud	31'-11"	Ud	30'-7"	Ud	29'-5"	Ud
2" x 10" x 0.092" x 0.369"	49'-3"	Ud	44'-9"	Ud	41'-7"	Ud	39'-1"	Ud	37'-2"	Ud	35'-6"	Ud	34'-2"	Ud

				7	ributary	Load	Width "	W' =	Beam Sp	pacing	9			
Snap Sections	3'-0	"	4'-0	"	5'-0		6'-0'		7'-0		8'-0	"	9'-0'	•
	Allo	wable	e Span '	L' /	Point Lo	ad (P) or Unif	orm l	Load (U)	ben	ding (b),	defle	ction (d))
2" x 2" x 0.044"	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd
2" x 3" x 0.045"	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd
2" x 4" x 0.045"	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd
2" x 6" x 0.062"	22'-2"	Pd	22'-2"	Pd	22'-2"	Pd	21'-5"	Ud	20'-5"	Ud	19'-6"	Ud	18'-9"	Ud
2" x 7" x 0.062"	26'-8"	Pd	26'-8"	Pd	25'-9"	Ud	24'-3"	Ud	23'-0"	Ud	22'-0"	Ud	21'-2"	Ud

- 1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
- The structures designed using this section shall be limited to a maximum combined span and upright height of 50' and a maximum upright height of 16'. Structures larger than these limits shall have site specific engineering.
- Span is measured from center of beam and upright connection to fascia or wall connection.
 Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
- 5. Tables are based on a maximum wall height of 16' including a 4' max, mansard or gable. Other conditions may offer better spans w/ enclosure site specific engineering.
- 6. Spans may be interpolated.
- 7. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii. Example: Max. 'L' for 2" x 4" x 0.050" hollow section with 'W' = 5'-0" = 9'-1"

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Table 1.2 120 Allowable Spans for Secondary Screen Roof Frame Members Aluminum Alloy 6063 T-6

For Wind Zones up to 120 M.P.H., Exposure "B", and Latitudes Below 30°-30'-00" North (Jacksonville, FL) Uniform Load = 4 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

A. Sections Fastened To Beams With Clips

				1	ributary	Load	Width "	W' =	Purlin Sp	oacin	g			
Hollow Sections	3'-6	11	4'-0	"	4'-6	1	5'-0		5'-6	11	6'-0	"	6'-8	**
	Allo	wabl	e Span '	L' /	Point Lo	ad (P	or Unif	orm l	Load (U)	, ben	ding (b),	defle	ction (d)
2" x 2" x 0.044"	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb
2" x 2" x 0.050"	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb
2" x 2" x 0.090"	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd
3" x 2" x 0.045"	5'-8"	Pb	5'-8"	Pb	5'-8"	Pb	5'-8"	Pb	5'-8"	Pb	5'-8"	Pb	5'-8"	Pb
3" x 2" x 0.070"	7'-8"	Pd	7'-8"	Pd	7'-8"	Pd	7'-8"	Pd	7'-8"	Pd	7'-8"	Pd	7'-8"	Pd
2" x 3" x 0.045"	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd	7'-4"	Pd.	7'-4"	Pd
2" x 4" x 0.050"	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb
2" x 5" x 0.062"	14'-1"	Pd	14'-1"	Pd	14'-1"	Pd	14'-1"	Pd	14'-1"	Pd	14'-1"	Pd	14'-1"	Pd

				1	ributary	Load	Width "	M. =	Purlin Sp	pacin	g			
Snap Sections	3'-6	"	4'-0'	"	4'-6		5'-0	"	5'-6'	"	6'-0		6'-8	"
	Allo	wabl	e Span '	r. /	Point Lo	ad (P) or Unif	orm l	oad (U)	, ben	ding (b),	defle	ction (d)
2" x 2" x 0.044	4'-11"	Pb	4'-11"	Pb	4'-11"	Pb	4'-11"	Pb	4'-11"	Pb	4'-11"	Pb	4'-11"	Pb
2" x 3" x 0.045"	7'-3"	Pd	7'-3"	Pd	7'-3"	Pd	7'-3"	Pd	7'-3"	Pd	7'-3"	Pd	7'-3"	Pd
2" x 4" x 0.045"	9'-2"	Pd	9'-2"	Pd	9'-2"	Pd	9'-2"	Pd	9'-2"	Pd	9'-2"	Pd	9'-2"	Pd

B. Sections Fastened Through Beam Webs Into Screw Bosses

					1	ributary	Load	Width	W =	Qurlin Sp	acin	g			
	Hollow Sections	3'-6		4'-0'	•	4'-6	"	5'-0	"	5'-6'		6'-0	"	6'-8	**
-		Allo	wabl	e Span '	L' /	Point Lo	ad (P	of Unit	orm	Load (U),	ben	ding (b),	defle	ection (d)
1	2" x 3" x 0.050"	11'-5"	Pb	11'-5"	Pb	11'-5"	Pb(11'-4"	Ud	10'-11"	Ud	10'-8"	Ud	10'-3"	Uc
_	2" x 4" x 0.050"	13'-8"	Pb	13'-8"	Pb	13'-8"	Pb	19-6	Pb	13'-8"	Pb	13'-8"	Pb	13'-8"	Pt
	2" x 5" x 0.062"	22'-4"	Pd	22'-4"	Pd	22'-4"	Pd	21'-7"	Ud	20'-11"	Ud	20'-4"	Ud	19'-7"	Uc

				•	Tributary	Load	Width '	W' =	Purlin Sp	acing	9			
Snap Sections	3'-6	"	4'-0'	14	4'-6	"	5'-0		5'-6'	•	6'-0	"	6'-8'	
	Allo	wable	e Span '	L' /	Point Lo	ad (P	or Unit	form	Load (U)	bend	ding (b),	defle	ction (d))
2" x 2" x 0.044"	4'-4"	Pb	4'-4"	Pb	4'-4"	Pb	4'-4"	Pb	4'-4"	Pb	4'-4"	Pb	4'-4"	Pt

Notes:

- Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
- 2. Span is measured from center of beam and upright connection to fascia or wall connection.
- 3. Tables are based on a maximum wall height of 16' including a 4' max. mansard or gable. Other conditions may offer better spans w/ enclosure site specific engineering.
- 4. Spans may be interpolated.
- 5. 2" x 4" & 2" x 5" Hollow Girts shall be connected w/ an internal or external 1-1/2" x 1-1/2" x 0.044" angle.
- To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii.
 CHECK TABLE 1.6 FOR MINIMUM UPRIGHT SIZE FOR BEAMS.

Example: Max. 'L' for 2" x 4" x 0.050" hollow section fastened to beam with clips with 'W' = 5'-0" = 9'-1"

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SCREENED ENCLOSURES

Table 1.3 110 Allowable Post / Upright Heights for Primary Screen Wall Frame Members Aluminum Alloy 6063 T-6

For 3 second wind gust at a velocity of 110 MPH, Exposure "B" or an applied load of 13 #/sq. ft.

			1	rib	utary Lo	ad \	Nidth 'W	'=	Upright :	Spa	cing			
Hollow Sections	3'-0"		4'-0"		5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	
			Allov	vab	le Heigh	t "H	"/ bend	ing	(b), def	lect	ion (d)			
2" x 2" x 0.044"	7'-5"	d	6'-5"	b	5'-8"	b	5'-1"	b	4'-8"	b	4'-3"	b	3'-11"	6
2" x 2" x 0.050"	7'-10"	d	7'-1"	b	6'-3"	b	5'-8"	b	5'-2"	b	4'-9"	b	4'-5"	b
2" x 2" x 0.090"	8'-11"	d	8'-2"	d	7'-10"	d	7'-1"	b	6'-7"	b	6'-1"	Б	5'-9"	b
2" x 3" x 0.045"	8 4"	d	7'-7"	d	7'-9"	d	6'-11"	d	6'-5"	d	5111"	b	5'-6"	b
2" x 4" x 0.050"	11'-2'	b	9'-7"	b	8'-6"	b	7'-9"	b	7'-1"	10	6'-7"	b	6'-1"	b
2" x 5" x 0.062"	17'-3"	b	14'-10"	b	13'-2"	b	11'-11"	b	11'-0"	b	10'-3"	b	9'-7"	b
	T	1	. 1	rib	utary Lo	ad \	Nidth 'W	=	Upright !	Spa	cing			
Self Mating Sections	3'-0"		4'-0"		5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	
	711111111111111111111111111111111111111		Allov	vab	le Heigh	t "H	" / benc	ling	(b), def	lect	ion (d)		W. T. AW	-
2" x 4" x 0.044 x 0.100"	11'-11"	d	10'-10"	d	10'-0"	d	9'-5"	b	8'-8"	b	8'-0"	b	7'-6"	b
2" x 5" x 0.050" x 0.100"	14'-9"	d	13'-5"	d	12'-5"	d	11'-7"	b	10'-8"	b	9'-11"	b	9'-4"	b
2" x 6" x 0.050" x 0.120"	17'-3"	d	15'-8"	V	1444"	b	13'-1"	b	12'-0"	b	11'-3"	b	10'-6"	b
2" x 7" x 0.055" x 0.120"	19'-8"	d	17'-6"	6	(15'-7"	b	14'-2"	b	13'-1"	b	12'-2"	b	11'-5"	b
2" x 8" x 0.072" x 0.224"	24'-4"	d	22'-1"/	d	20'-6"	d	19'-4"	d	18'-4"	d	17'-6"	d	16'-10"	d
2" x 9" x 0.072" x 0.224"	26'-8"	d	24143"	d	22\-6"	d	21'-2"	d	20'-1"	d	19'-3"	d	18'-2"	b
2" x 9" x 0.082" x 0.310"	28'-8"	d	26'-0"	d	24'-2"	d	22'-9"	d	21'-7"	d	20'-8"	d	19'-10"	d
2" x 10" x 0.092" x 0.369"	33'-3"	0	30'-3"	d	28'-1"	d	26'-5"	d	25'-1"	d	23'-11"	d	23'-1"	d
				Trib	utary Lo	ad	Width 'W	r= (Jpright S	Spa	cing			
Snap Sections	3'-0"		4'-0"		5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	
/			Allov	vab	le Heigh	t "H	"/benc	ling	(b), def	lect	ion (d)		9	
2" x 2" x 0.044"	6'-7"	d	5'-11"	d	5'-7"	d	5'-3"	d	4'-10"	b	4'-5"	b	4'-1"	b
2" x 3" x 0.045"	8'-10"	d	8'-1"	d	7'-6"	d	6'-11'	b	6'-3"	b	5'-9"	b	5'-3"	b
2" x 4" x 0.045"	11'-2"	d	10'-2"	d	9'-2"	Ь	8'-2"	b	7'-5"	Ь	6'-9"	b	6'-2"	b
2" x 6" x 0.062"	18'-3"	d	16'-7"	d	15'-5"	d	14'-6"	9/	13'-9"	d	13'-2"	d	12'-8"	d
2" x 7" x 0.062"	20'-7"	d	18'-9"	d	17'-5"	d	16'-4"	d	15'-7"	d	14'-10"	d	14'-2"	b

Notes:

- Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
- 2. Using screen panel width 'W' select upright length 'H'.
- 3. Above heights do not include length of knee brace. Add vertical distance from upright to center of brace to beam connection to the above spans for total beam spans.
- Site specific engineering required for pool enclosures over 30' in mean roof height.
 Height is to be measured from center of beam and upright connection to fascia or wall connection.
- 6. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height are designed to be residential guardrails provided they are attached with min. (3) #10 x 1-1/2" S.M.S. into the screw bosses and do not exceed 8'-0" in span.
- 7. Max. beam size for 2" x 5" is 2" x 7" x 0.055" x 0.120"
- 8. Spans may be interpolated.
- 9. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii.

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SCREENED ENCLOSURES

Table 1.4 110 Allowable Post / Girt / Chair Rail Spans, Header Spans & Upright Heights for Secondary Screen Wall Frame Members Aluminum Alloy 6063 T-6

For 3 second wind gust at a velocity of 110 MPH, Exposure "B" or an applied load of 13 # / sq. ft.

A. Sections As Horizontals Fastened To Posts With Clips

		Tributary Load Width 'W' = Upright Spacing												
Hollow Sections	3'-0"		(4'-0"		5'-0"	1	6'-0"		7'-0"		8'-0"		9'-0"	•
			Allowa	ibli	Height	"H"	or Span	"L	"/ bend	ing	(b), defle	ecti	on (d)	
2" x 2" x 0.044"	7'-5"	ď	6'-5"	b	5'-8"	b	5'-1"	b	4'-8"	Ь	4'-3"	b	3'-11"	b
2" x 2" x 0.050"	7'-10"	d	7'-1"	b	6'-3"	b	5'-8"	b	5'-2"	b	4'-9"	b	4'-5"	b
2" x 2" x 0.090"	8'-11"	d	8'-2"	d	7'-10"	d	7'-1"	b	6'-7"	b	6'-1"	b	5'-9"	b
3" x 2" x 0.045"	8'-4"	d	7'-4"	b	6'-6"	b	5'-10"	b	5'-4"	b	4'-11"	b	4'-7"	b
3" x 2" x 0.070"	9'-5"	d	8'-6"	d	7'-9"	b	7'-0"	b	6'-5"	b	5'-11"	b	5'-7"	b
2" x 3" x 0.045"	8'-4"	d	7'-7"	d	7'-9"	d	6'-11"	d	6'-5"	d	5'-11"	b	5'-6"	b
2" X 4" x 0.050"	11'-2"	b	9'-7"	b	8'-6"	b	7'-9"	b	7'-1"	b	6'-7"	b	6'-1"	b
2" x 5" x 0.062"	17'-3"	b	14'-10"	b	13'-2"	b	11'-11"	b	11'-0"	b	10'-3"	b	9'-7"	b

Snap Sections		Tributary Load Width 'W'= Upright Spacing													
	3'-0"		4'-0"		5'-0	"	6'-0'	'	7'-0"		8'-0	"	9'-0'	•	
			Allow	able	Height	"H"	or Spar	ı "L'	'/ bend	ling	(b), defl	ectio	on (d)		
2" x 2" x 0.044"	6'-7"	d	5'-11"	d	5'-7"	d	5'-3"	d	4'-10"	b	4'-5"	Ь	4'-1"	b	

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

	T	Tributary Load Width 'W' = Upright Spacing												
Hollow Sections	3'-0"		4'-0"		5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	
	Allowable Height "H" or Span "L" / bending (b), deflection (d)													
2" x 2" x 0.044"	8'-4"	b	7'-2"	b	6'-4"	b	5'-8"	b	5'-2"	b	4'-9"	b	4'-5"	b
3" x 2" x 0.045"	9'-7"	b	8'-3"	b	7'-3"	b	6'-6"	b	5'-11"	b	5'-6"	b	5'-1"	b
3" x 2" x 0.070"	11'-5"	b	9'-10"	b	8'-8"	b	7'-10"	b	7'-2"	b	6'-8"	b	6'-3"	þ
2" x 3" x 0.045"	11'-2"	d	9'-9"	b	8'-8"	b	7'-10"	b	7'-2"	b	6'-8"	b	6'-2"	b
2" x 4" x 0.050"	12'-6"	b	10'-9"	b	9'-6"	b	8'-7"	b	7'-11"	b	7'-4"	b	6'-10"	b
2" x 5" x 0.062"	19'-3"	b	16'-7"	b	14'-9"	b	13'-5"	b	12'-4"	b	11'-6"	b	10'-9"	b

Snap Sections		Tributary Load Width 'W'= Upright Spacing													
	3'-0"		4'-0'	"	5'-0'	1	6'-0"		7'-0'	'	8'-0"		9'-0'		
			Allow	able	Height	"H"	or Spar	1 "L'	/ benc	ling	(b), defle	ectio	n (d)		
2" x 2" x 0.044"	8'-10"	d	7'-8"	b	6'-9"	b	6'-0"	b	5'-5"	b	4'-11"	b	4'-7"	b	

Note:

- 1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
- 2. Using screen panel width 'W' select girt lengths.
- 3. Site specific engineering required for pool enclosures over 30' in mean roof height.
- 4. Span/height is to be measured from center of beam and upright connection to fascia or wall connection.
- 5. Chair rails of 2" \times 2" \times 0.044" min. and set @ 36" in height are designed to be residential gardrails provided they are attached with min. (3) #10 \times 1-1/2" s.m.s. into the screw bosses and do not exceed 8'-0" o.c.
- 6. Girt spacing shall not exceed 6'-8".
- 7. Max. beam size for 2" x 5" is 2" x 7" x 0.055" x 0.120"
- 8. 2" x 4" & 2" x 5" hollow girts shall be connected w/ an internal or external 1-1/2" x 1-1/2" x 0.044" angle.
- 9. Spans/heights may be interpolated.
- To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii.

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7 9 1.10 = 86"

SCREENED ENCLOSURES

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

Beam/Upright	Upright or	Minimum Purlin, Girt	Notes	Minimu	Beam Stitching		
or Post				#8 x 1/2"	#10 x 1/2"	#12 x 1/2"	Screw at 24" OC
2 x 4 SMB	2 x 3 SMB or H	2" x 2" x 0.044"	Partial Lap	8	6	4	#10
2 x 5 SMB	2 x 3 SMB or H	2" × 2" × 0.044"	Partial Lap	8	6	4	#18
2 x 6 SMB	2 x 3 SMB or H	2" x 2" x 0.044" \/	Partial Lap	3 10	8	(6)	(#10)
ZX7 SMB	2 x 4 SMB or H	2" x 3" x 0.044"	Full Lap	14	12	10	#12
2 x 8 SMB	2 x 5 SMB or H	2" x 3" x 0.044"	Full Lap	16	14	12	#14
2 x 9 SMB	2 x 6 SMB	2" x 3" x 0.045"	Full Lap	18	16	14	#14**
2 x 9 SMB *	2 x 7 SMB	2" x 4" x 0.050"	Full Lap	20	18	16	#14**
2 x 10 SMB	2 x 8 SMB	2" x 5" x 0.050"	Full Lap	20	18	16	#14**

Screw Size	Minimum Distance and	Spacing of Screws	Gusset Plate Thickness				
	Edge To Center	Center To Center	Beam Size	Thickness			
#8	5/16"	5/8"	2" x 7" x 0.055" x 0.120"	0.063"			
#10	3/8"	3/4"	2" x 8" x 0.072" x 0.224"	0.125"			
#12	1/2"	1"	2" x 9" x 0.072" x 0.224"	0.125"			
#14 or 1/4"	3/4"	1-1/2"	2" x 9" x 0.082" x 0306"	0.190"			
5/16"	7/8"	1-3/4"	2" x 10" x 0.092" x 0.369"	0.250"			
3/8"	1"	2"					

^{* 0.082&}quot; wall thickness, 0.310" flange thickness

" (1) Stitching screw at 16" O.C. max.

Connection Example:

2" x 7" beam & 2" x 5" at beam & gusset plate, (14) #8 x 1/2" sms & upright & gusset plate (14) #8 x 1/2" sms ea. side of beam & upright.

Note:

- 1. Connection of 2" x 6" to 2" x 4" shall use a full lap cut or 1/16" gusset plate.
- 2. For beam splice connections the number of screws shown is the total for each splice with 1/2 the screws on each side of the cut.
- 3. The number of screws is based on the maximum allowable moment of the beam.
- 4. The number of deck anchors is based on RAWL R Tapper allowable load data for 2,500 psi concrete and / or equal anchors may be used. The number shown is the total use 1/2 per side.
- 5. Hollow splice connections can be made provided the connection is approved by the engineer.
- 6. If a larger than minimum upright is used the number of screws is the same for each splice with 1/2 the screws on each side of the cut.
- 7. The side wall upright shall have a minimum beam size as shown above, ie., a 2" x 4" upright shall have a 2" x 3" beam.
- 8. For minimum girt size read upright size as a beam and purlin size is minimum girt size. (i.e. $2" \times 9" \times 0.072" \times 0.224"$ s.m.b. w/ $2" \times 6" \times 0.050 \times 0.120"$ s.m.b. upright requires a $2" \times 3" \times 0.045"$ girt / chair rail.)

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

CIVIL & STRUCTURAL ENGINEERING

P.O. Box 214365, South Daytona, FI 32121
Telephone #: (386) 767-4774 Fax #: (386) 767-6556
Email: lebpe@bellsouth.net

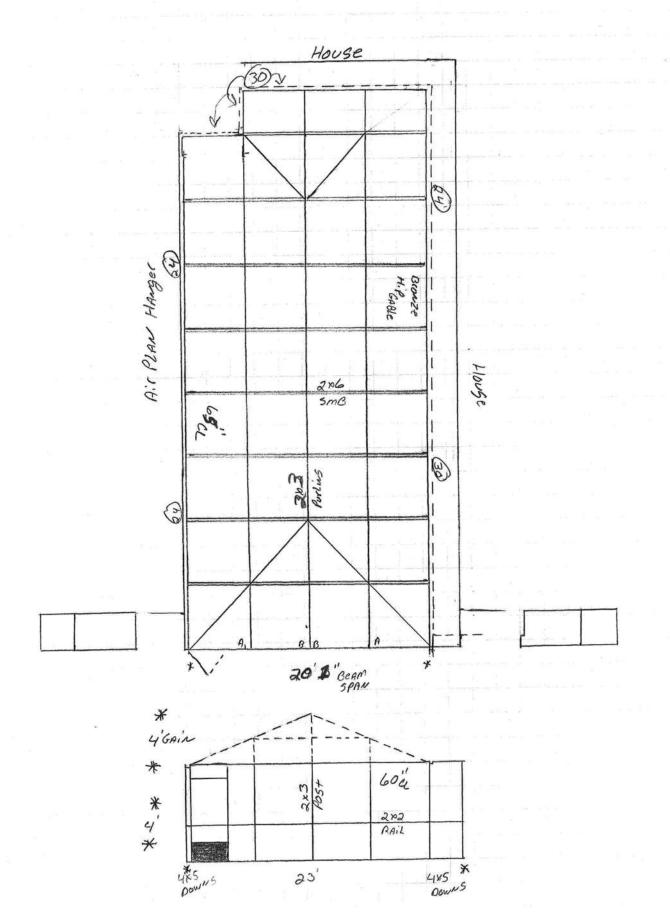
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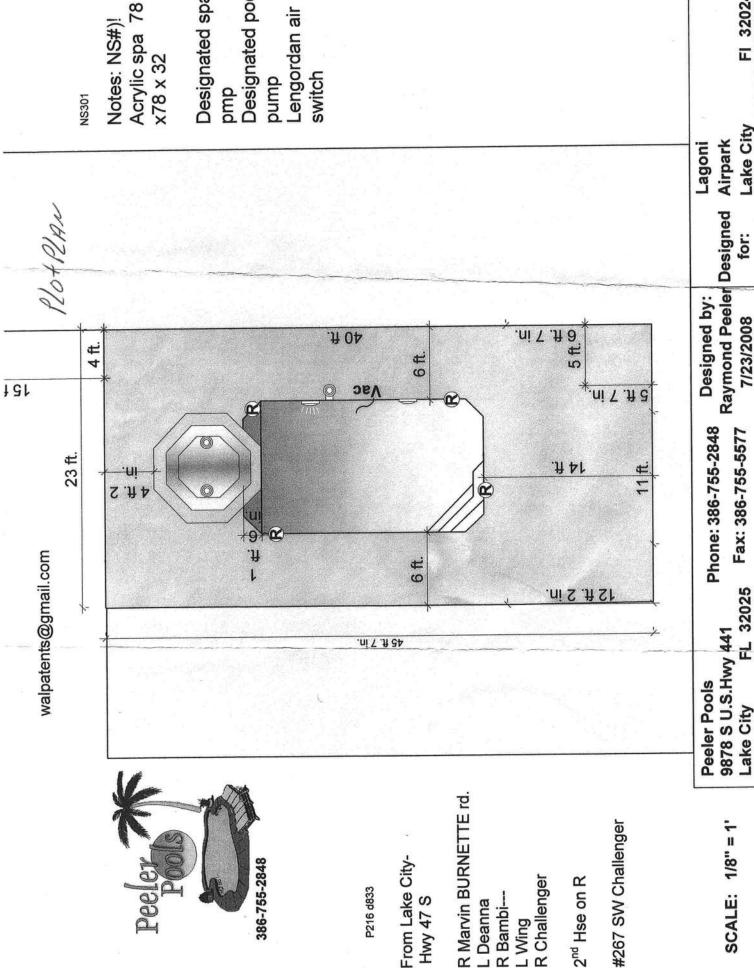
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1-94

Logani/Redectals# 246 267 Sw Challenger Ave LAKE City FL 32025

TIMBERLAKE ALUMINUM CONSTRUCTION, INC. 25370 NW 8th Place NEWBERRY, FL 32669





FI 32024

Notes: NS#)!

Designated spa

Designated pool Lengordan air

L Deanna

From Lake City-Hwy 47 S

P216 d833

386-755-2848

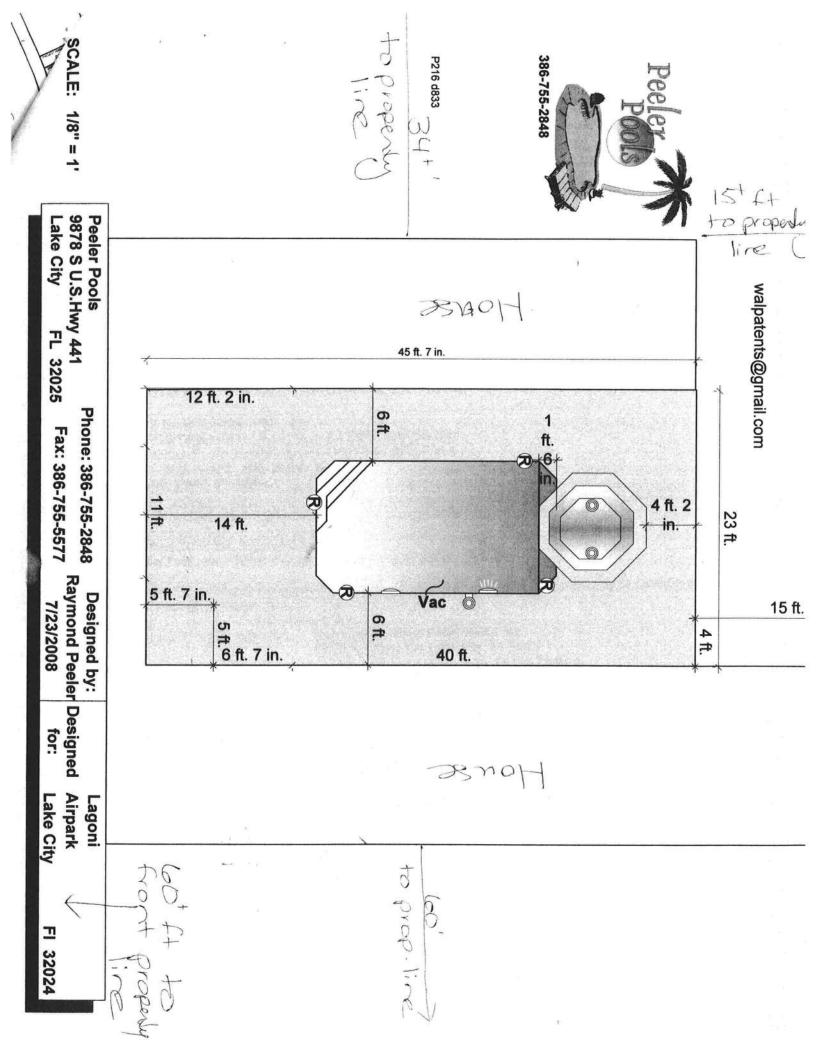
R Bambi---

L Wing

R Challenger

2nd Hse on R

#267 SW Challenger



Design Check List for Pool Enclosures (Page 1 of 4)

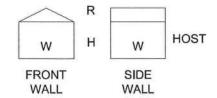
I. Design Statement:		
These plans have been designed in accordance with the Aluminum Structures Design Lawrence E. Bennett and are in compliance with the 2004 Florida Building Code Editi Supplements, Chapter 20, ASM35 and The 2005 Aluminum Design Manual Part I-A & 'B'	ion with 2006 & II-A; Expose PH and higher ure; De d design	ure ; sign
II. Host Structure Adequacy Statement:		
I have inspected and verify that the host structure is in good repair and attachmen	ts made to th	ie
structure will be solid.		
CRAIG TIMBERLAKE Phone: 352-472-6850	0	
Contractor / Authorized Rep* Name (please print)		
bare interface Date: 3/16/09		
Contractor / Authorized Rep* Signature		
LAGONI /267 SW CHALLENGER LANE LAKE CITY		
Job Name & Address		
Note: If the total of beam span & upright height exceeds 50' or upright heigh	nt exceeds	
16', site specific engineering is required.		
III. Building Permit Application Package contains the following:	Yes	No
A. Project name & address on plans		H
B. Site plan or survey with enclosure location	····	H
C. Contractor's / Designer's name, address, phone number, & signature on plans	1 / 1	H
D. Site exposure form completedE. Enclosure layout drawing @ 1/8" or 1/10" scale with the following:		\vdash
and Appetral and the Landson of Tarre and Tarr		\vdash
 Plan view with host structure, enclosure length, projection from host structure and all dimensions 	v, —	
2. Front and side elevation views with all dimensions & heights		
Note:		
All mansard wall drawings shall include mansard panel at the top of the wall 3. Beam location (show in plan & elevation view) & size (Table 1.1 & 1.6)	· 🔽	
Roof frame member allowable span conversions from 120 MPH wind zone, "B" Exposure to MPH wind zone and / or''C" or''D" Exposure for loa width of:	ıd	
Note: Conversion factors do not apply to members subject to point load (P	²).	
Look up span in appropriate 120 MPH span table and apply the following formula	a:	
	uired Convert n / Height	ed
0.00 (b or d) x 1.00 (b or d) x 1.00 (b or d) =		
Wind Zone Multiplier Exposure Multiplier (see page 1ii)	er .	
4. Upright location (show in plan & elevation view) & size (Table 1.3 & 1.6)	· · · · · · · · · · · · · · · · · · ·	
5. Chair rail & girt size, length, & spacing (Table 1.4)		
6. Eave rail size, length, spacing and stitching of		

^{*} Must have attended Engineer's Continuing Education Class within the past two years.

Design Check List for Pool Enclosures (Page 2 of 4)

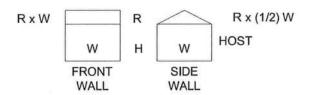
Wall frame member allowable span conversions from 120 MPH wind zone, "B" Exposure to 7.82 MPH wind zone and / or C" or D" Exposure for load width of 1.10: Look up span in appropriate 120 MPH span table and apply the following formula: Span / Height Required Converted @ 120 MPH Span / Height or ___ MPH 7.82 (b or d) x 1.10 (b or d) x 1.00 (b or d) = 8.60Wind Zone Exposure Multiplier Multiplier ** (see page 1ii) Yes No 7. Enclosure roof diagonal bracing in plan view (Table 1.7) IV. Highlight details from the Aluminum Structures Design Manual: (Tables 1.1 & 1.2 or 1.9.1 & 1.9.2) B. Upright & girt tables with size, thickness, spacing, & spans / lengths (Tables 1.3 & 1.4) C. Table 1.6 with beam & upright combination D. Connection details to be use such as: 1. Beam to upright 2. Beam to wall 4. Chair rail, purlins, & knee braces 5. Extruded gutter connections 7. Anchors go through pavers into concrete Wall area calculations for cables: W = wall width, H = wall height, R = rise W1 = width @ top of mansard, W2 = width @ top of wall E. Select footing from examples in manual. Example 1: Flat Roof _____ft. = <u>0.00</u> ft.² @ 100% = ______ _ft. x _ TOTAL = 0.00 ft.2 Total area / (233 ft.² / cable for 3/32") = ___0 cable pairs Total area / (445 ft. 2 / cable for 1/8") = 0 cable pairs Side wall area / $(233 \text{ ft.}^2 / \text{cable for } 3/32") = 0 \text{ cable(s)}$ Side wall area / $(445 \text{ ft.}^2 / \text{ cable for } 1/8") = 0 \text{ cable(s)}$

Design Check List for Pool Enclosures (Page 3 of 4)



Example 2: Gable Roof

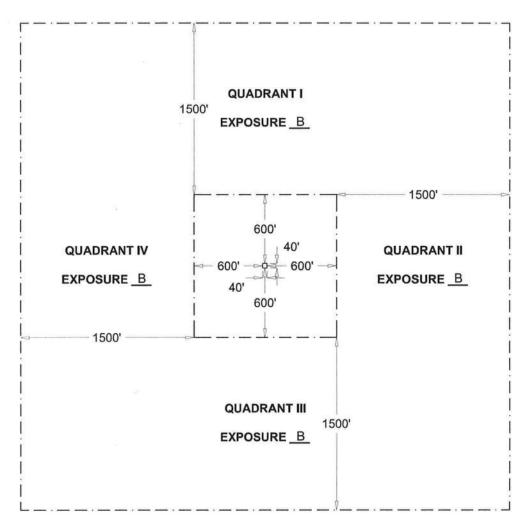
Front wall @ eave:ft. xft. =0.00_ft.² @ 100% =	0.00	ft.²
W H a Front gable rise:ft. x 1/2(ft.) =0.00 ft.² @ 100% =	0.001	ft.²
Largest side wall:ft. x = \frac{vv}{0.00} ft.^2 @ 50% =	0.001	ft.²
Largest side gable rise:ft. xft. =0.00_ft.² @ 50% =	0.00	ft.²
Total area / (233 ft.² / cable for 3/32") =0_cable pairs or	0.00 1	ft.²
Total area / $(445 \text{ ft.}^2 / \text{ cable for } 1/8") =0$ _cable pairs		
Side wall cable calculation: 0.00 ft.² + 0.00 ft.² = 0.00 ft.² @ 100% = d	0.00	ft.²
Side wall area / (233 ft.² / cable for 3/32") =0_cable(s)		
Side wall area / (445 ft.² / cable for 1/8") = cable(s)		



Example 3: Transverse Gable Roof

Front wall @ eave:
$$0.00 \text{ ft. x} = 0.00 \text{ ft. } = 0.00 \text{$$

SITE EXPOSURE EVALUATION FORM



NOTE: ZONES ARE MEASURED FROM STRUCTURE OUTWARD

SITE SCALE: 1" = 800'

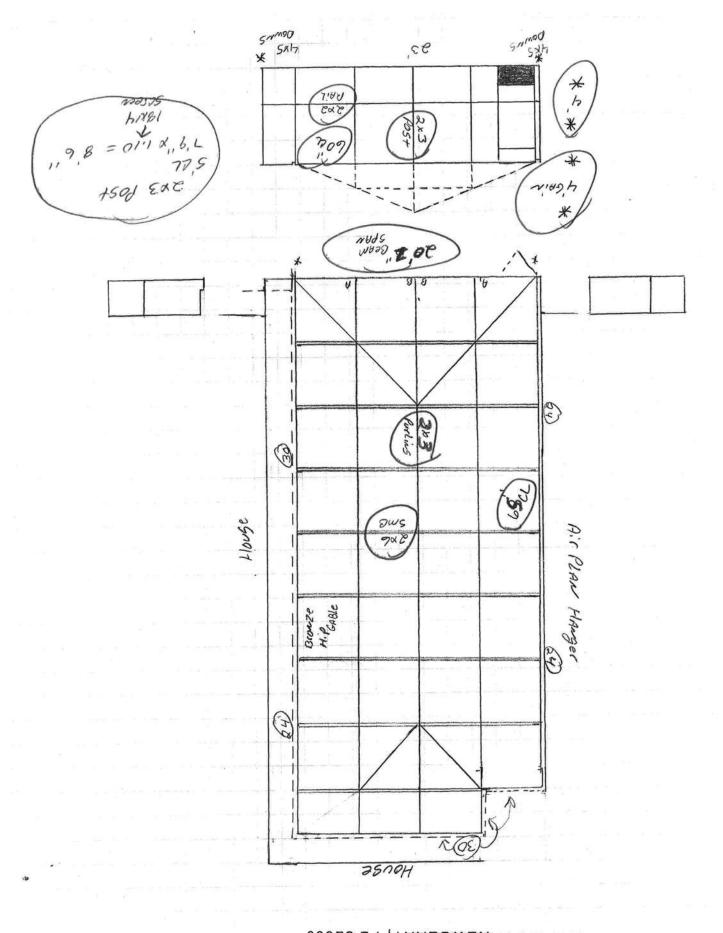
USING THE FOLLOWING CRITERIA, EVALUATE EACH QUADRANT AND MARK IT AS 'B', 'C', OR 'D' EXPOSURE. 'C' OR 'D' EXPOSURE IN ANY QUADRANT MAKE THE SITE THAT EXPOSURE.

- EXPOSURE C: 1. OPEN TERRAIN FOR MORE THAN 1,500 FEET IN ANY QUADRANT.
 - 2. ANY 'C' EXPOSURE FOR GREATER THAN 600 FEET IN ANY QUADRANT.
 - 3. NO SHORT TERM CHANGES IN 'B', 2 YEARS BEFORE SITE EVALUATION AND BUILD OUT WITHIN 3 YEARS, SITE WILL BE 'B'.
 - FLAT, OPEN COUNTRY, GRASSLANDS, PONDS AND OCEAN OR SHORELINES IN ANY QUADRANT FOR GREATER THAN 1,500 FEET.

EXPOSURE D: FLAT, UNOBSTRUCTED AREAS THAT ARE 1,500 FT INLAND FROM THE SHORE LINE AND ARE EXPOSED TO WIND FLOWING OVER WATER FOR A DISTANCE OF AT LEAST 1 MILE.

SITE IS EXPOSURE: B EVALUATED BY: CRAIG TIMBERLAKE DATE: 03/16/09

SIGNATURE: Langum bellake LICENSE #: SCC056710



NEWBERLAKE ALUMINUM 25370 NW 8th Place NEWBERRY, FL 32669

269001/ Redectools# 246

From Lake City-Hwy 47 S #267 SW Challenger 2nd Hse on R R Marvin BURNETTE rd. R Challenger R Bambi---L Deanna SCALE: 1/8" = 1" 386-755-2848 P216 d833 9878 S U.S.Hwy 441 Peeler Pools Lake City walpatents@gmail.com ZSNOH FL 32025 45 ft. 7 in. 12 ft. 2 in. 6 ft. 1 ft. Phone: 386-755-2848 Fax: 386-755-5577 4 ft. 2 H0198 11 ft. 23 ft. 14 ft. Raymond Peeler Designed 7/23/2008 for: Vac 5 ft. 7 in. 15 f Designed by: 7/23/2008 6 ft. ຫ ≓ 6 ft. 7 in. 4 ft. 40 ft Bir PLANE HANGER Olot PLAN Airpark Lagoni Lake City pump Lengordan air Acrylic spa 78 x78 x 32 NS301 switch Notes: NS#)! pmp Designated pool Designated spa

L Wing

FI 32024



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Licensee Details

Licensee Information

Name:

HELMS, CARL RICHARD (Primary

Name)

TIMBERLAKE ALUMINUM

CONSTRUCTION INC (DBA Name)

Main Address:

Private Address *Private

Address*

Private Address *Private Address* *Private Address*

License Mailing:

LicenseLocation: 2265 N SKEETER TERRACE

HERNANDO FL 34442

County:

CITRUS



License Information

License Type:

Certified Specialty Contractor

Rank:

Cert Specialty

License

SCC056710

Number: Status:

Current, Active

Licensure Date: 07/17/1996

Expires:

08/31/2010

Special

Qualification Effective

Qualifications

Qualified

02/20/2004

Business

License

Required

Specialty

Structure

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