This Parmit Evniros Cino V	Y Building Permit PERMIT Year From the Date of Issue 000026145
APPLICANT CRAIG TIMBERLAKE	PHONE 352 472-6850
ADDRESS 25370 NW 8TH PLACE	NEWBERRY FL 32669
OWNER JAN & LEANNE WHITLOW	PHONE
ADDRESS 402 SW STUART LOOP	LAKE CITY FL 32024
CONTRACTOR BONNIE JORDAN	PHONE 352 472-6850
LOCATION OF PROPERTY 47S, TR ON CR 242, TL ON ST ON LEFT	UART LOOP,LOT ON FIRST CORNER
	STIMATED COST OF CONSTRUCTION 8272.00
HEATED FLOOR AREA TOTAL AI	REA HEIGHT STORIES
FOUNDATION WALLS	ROOF PITCH FLOOR
LAND USE & ZONING RSF-2	MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 25.0	0 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE	DEVELOPMENT PERMIT NO.
PARCEL ID 25-4S-16-03170-102 SUBDIVISI	ON MAXWELL SQUARE
LOT 2 BLOCK PHASE UNIT	TOTAL ACRES
Culvert Permit No. Culvert Waiver Contractor's License No EXISTING X07-313 BK Driveway Connection Septic Tank Number LU & Zor COMMENTS: NOC ON FILE	Applicant/Owner/Contractor JH N ning checked by Approved for Issuance New Resident
	Check # or Cash CASH
FOR BUILDING & ZON	Check # or Cash CASH ING DEPARTMENT ONLY (footer/Slab)
Temporary Power Foundation	ING DEPARTMENT ONLY (footer/Slab) Monolithic
Temporary Power Foundation	ING DEPARTMENT ONLY (footer/Slab) Monolithic date/app. by date/app. by
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab	Monolithic date/app. by Sheathing/Nailing (footer/Slab)
Temporary Power Foundation date/app. by Under slab rough-in plumbing Slab date/app. by Framing Rough-in plumbing	ING DEPARTMENT ONLY (footer/Slab) Monolithic date/app. by date/app. by
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Temporary Power date/app. by Under slab rough-in plumbing Slab Framing Rough-in plumbing date/app. by Electrical rough-in Heat & Air Duct date/app. by	Monolithic date/app. by Sheathing/Nailing date/app. by above slab and below wood floor Peri. beam (Lintel) date/app. by date/app. by
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NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

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

Columbia County Building Permit Application

					er Date	
PIOCO ZONO	Developi	nent Permit	Zoning_	Land Use P	lan Map Category_	8 9
Comments					Att of the	3
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		<i>C</i> ,	21111	42 50 53	352-472-6	
ame Authorized P	erson Signing P	ermit <u>Craig</u>	Timberlake	- Pho	no 352 - 472	-9880
ddress 253.70	VM 82	Place New	nerry FL	32669	4 4	72.21
wners Name J	an + Leanne	Whitlow		Phon	•	
				FL 32024	1	
ordractors Name	Bonnie J	órdan		Phon	352 - 472	6850
ddress 25370	> NW 815	Place N	leesberry, FL	32669		
44 Simple Owner	r Namo & Addre		NIA			
londing Co. Nam			VIA		វីខេទ្	4
Architect/Engines	er Namo & Addi	Lawrence	- Bennett	DO BOX 31436	8 S. Daylona, F	7 321
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	7			lec Suwonnee V		
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Subdivision Name	C)/	1 47		rd and a CR 2	Block Unit	Phase .
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Thomas and Alleranderson				imber of Editing Dw	Contractive and the contra	+1
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Columbia County Building Permit Application

For Office Use Only Application # 6708-07 Date Re	ceived 8/3/07 By (7 Permit#
Application Approved by - Zoning Official Date	
Flood Zone Development Permit N A Zoning	
	Land Use Plan Map Category FLD
Comments	
Applicants Name: <u>Larry Cole</u> Address: <u>25370 NW 8th Place Newberry</u> , FL 32669	Phone: <u>(352) 472-6850</u>
Owners Name: Jan & LeAnne Whitlow	Phone:
911 Address: 402 SW Stuart Loop Lake City, FL 32024	
Contractors Name: <u>Bonnie Jordan</u> Address: <u>25370 NW 8th Place Newberry</u> , FL 32669	Phone : <u>(352) 472-</u> 6850
	Lot 2 Maxwell Sq. SI
Fee Simple Owner Name & Address: <u>N/A</u> Bonding Co. Name & Address: <u>N/A</u>	LOT 2 MAYWEN -
Architect/Engineer Name & Address: <u>Lawrence E. Benne</u>	tt, P.E. PO Box 214368, South Daytona, FL 32121
Mortgage Lenders Name & Address: Mercantile	
Circle the correct power company – FL Power & Light – C	lay Elec. – Suwannee Valley Elec. – Progressive Energy
Property ID Number <u>25-4S-16-03170-102</u> Est	imated Cost of Construction \$8272.00
Property ID Number 25-4S-16-03170-102 Subdivision Name: Maxwell Square Driving Directions: SHUY 47 To 242 & To Trust	2 Block Unit Phase
Type of Construction: Pool Enclosure over existing pool, co	oncrete done by others
Number of Existing Dwellings on Property	oncrete done by officis
Total Acreage 0.000 Lot Size Do you need a - <u>Cul</u>	vert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front	
Total Building Height Number of Stories H	leated Floor Area Roof Pitch
	Noor Fried
Application is hereby made to obtain a permit to do work and in has commenced prior to the issuance of a permit and that all w regulating construction in this jurisdiction.	ork be performed to meet the standards of all laws
OWNERS AFFIDAVIT: I hereby certify that all the foregoing info compliance with all applicable laws and regulating construction	ormation is accurate and all work will be done in and zoning.
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOT	TICE OF COMMENCMENT MAY RESULT IN YOU
PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERT	Y. IF YOU INTEND TO OBTAIN FINANCING, CONSULT
WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING	S YOUR NOTICE OF COMMENCEMENT.
1 = 1 1	
Owner Berilder or Agent (Including Contractor)	Contractor Signature
Owner additional of Agent (moduling Contractor)	Contractor's License Number: SCC056711
STATE OF FLORIDA COUNTY OF COLUMBIA	Competency Card Number
COGM I OF COLUMBIA	NOTARY STAMP/SEAL RAYMOND M. DREWNOWSKI
Sworn to (or affirmed) and subscribed before me	Comm# DD0681685
this 3 day of August 2007.	Expires 6/4/2011
· ·	Plorida Notary Assn., Inc
Personally known or Produced Identification	140 11-14

Timberlake Aluminum Construction, Inc.

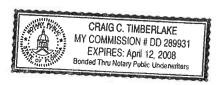
25370 NW 8TH PLACE NEWBERRY, FL 32669 (352) 472-6850 FAX (352) 472-6855

THIS LETTER AUTHORIZES LASTY Cole TO OBTAIN PERMITS AND SIGN ALL APPLICABLE FORMS AND AFFADAVITS NECESSARY FOR LICENSES FOR LICENSE NUMBER #SCCO56711. **BONNIE JORDAN** DATE 27-07

SWORN TO AND SUBSCRIBED BEFORE ME THIS _____DAY OF **JANUARY**, 2007

Praise to Danbaloké

NOTARY PUBLIC



Timberlake Aluminum Construction, Inc.

25370 NW 8TH PLACE NEWBERRY, FL 32669 (352) 472-6850 1-800-976-9890 FAX (352) 472-6855

TO:

RE LETTER OF AUTHORIZATION

THIS LETTER AUHTORIZES CRAIG TIMBERLAKE TO SIGN ALL APPLICABLE FORMS AND AFFADAVITS NECESSARY FOR OBTAING PERMITS OR RENEWAL OF LICENSE FOR BONNIE L JORDAN SCC 056711.

BONNIE L JORDAM

SWORN TO AND SUBSCRIBED BEFORE ME THIS

3rd DAY OF May 20

NOTARY PUBLIC AFFIX SEAL

Jennifer R. Smith
My Commission DD288541
Expires February 08, 2008

Columbia County Property

Appraiser
DB Last Updated: 5/11/2007

Parcel: 25-4S-16-03170-102

2007 Proposed Values

ax	Record	Pro

operty Card

Search Result: 1 of 6

Interactive GIS Map

Next >>

Owner & Property Info

Owner's Name	WHITLOW JAN B & LEANNE M				
Site Address					
Mailing Address	P O BOX 3485 LAKE CITY, FL 32056				
Use Desc. (code)	VACANT (000000)				
Neighborhood	25416.03	Tax District	2		
UD Codes	MKTA01	Market Area	01		
Total Land Area	0.000 ACRES				
Description	LOT 2 MAXV	LOT 2 MAXWELL SQUARE S/D. WD 1113-2583.			

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$20,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value	-	\$20,500.00

Just Value	\$20,500.00
Class Value	\$0.00
Assessed Value	\$20,500.00
Exempt Value	\$0.00
Total Taxable Value	\$20,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
3/15/2007	1113/2583	WD	I	Q		\$232,700.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
			NONE			

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
				NONE	15	

Land Breakdown

	Lnd Code	Desc	sc Units Adjustments		Eff Rate	Lnd Value
i	000100	SFR (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.00/1.00	\$20,500.00	\$20,500.00

Columbia County Property Appraiser

DB Last Updated: 5/11/2007

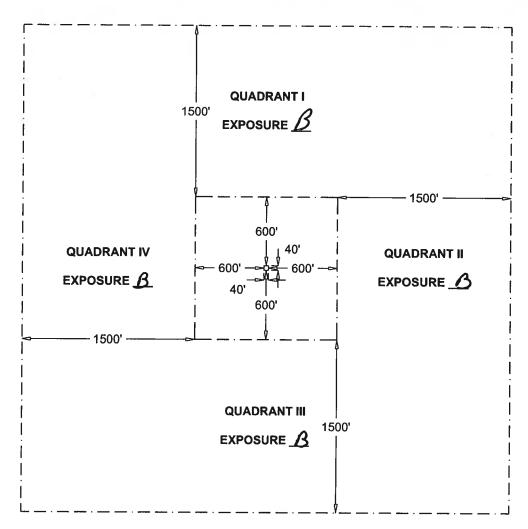
1 of 6

Next >>

Notice of Commencement

State Of Florida County of Columbia
1. Description of Property Resident a
2. Parcel ID# 25-45-16-0317-00-enar@
3. General Description of Improvement: Screen Enclosure
4. Owner Name and Address: Jan & Le Anne whitton 402 500 Stunt Loop Lake City Fl 32004
5. Interest in Property: Owner
6. Fee Simple Titleholder(if other than owner): None
7. Contractor Name: Timbere Muninum Construction
8. Surety: None
9. Lender: (If you have a loan and payment(draws) will be made from the lender—the name must be listed.)
10. Person in the State of Florida designated to receive notices or other documents that may be served as provided by Florida Statutes 713.13(1) (a) (7). NONE
In addition to himself, owner designates: <u>NONE</u> to receive a copy of the Leinor's notice as provided by the Florida Statutes 713.131b
12. Expiration Notice: Notice of Commencement (expires 1 year from the date of recording) 13. Prepared by: Peeler Pools, Inc. for Extende Aluminum
14. Return to: Peeler Pools, Inc 9878 S. US Hwy 441 Lake City, Fl 32025
Owner Name (Print) LeAnne Whitlow Owner Name Signature Clause Whitlow Sworn to and subscribed before me this 22 day of 7 day of 7 2007
Sworn to and subscribed before me this 22 day of February, 2007
Personally Known Produced ID Did/ Did not take Oath
Notary's Name Alice B. Peeler Notary Public State Of Florida
Commission Expiry and Number ALICE B PEELER MY COMMISSION # DD472231 EXPIRES: Sept. 15, 2009

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'.
- 4. FLAT, OPEN COUNTRY, GRASSLANDS, PONDS AND OCEAN OR SHORELINES IN ANY QUADRANT FOR GREATER THAN 1,500 FEET.

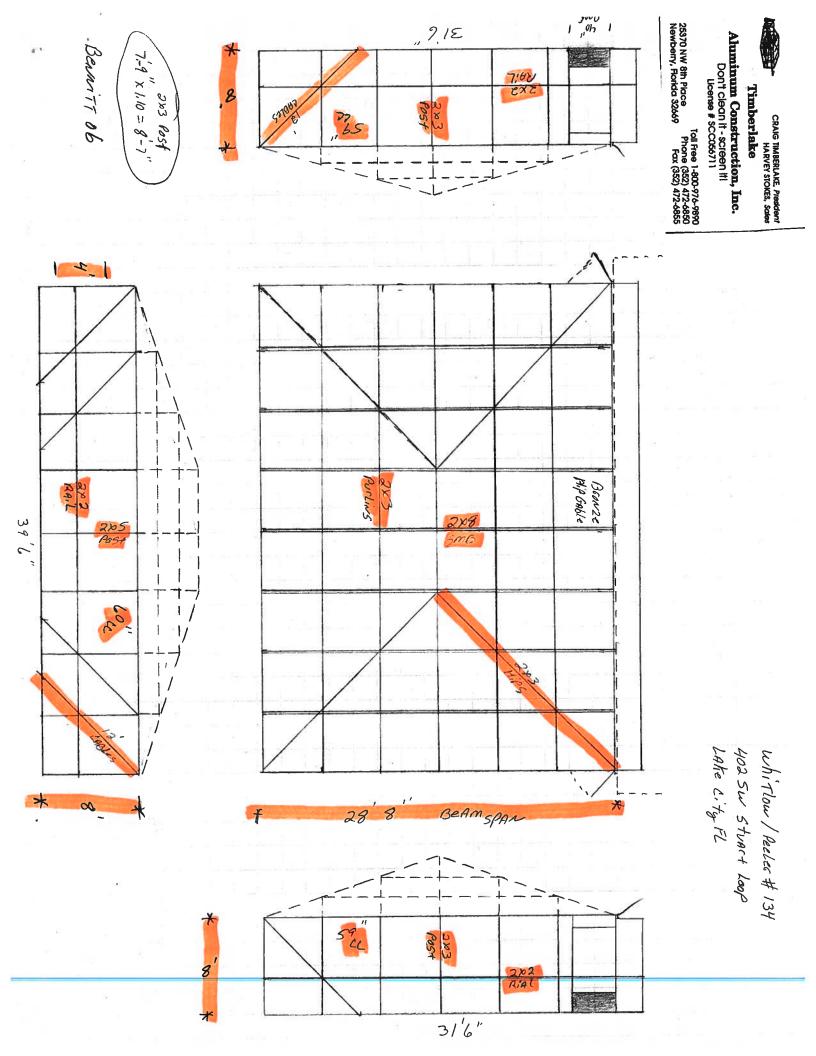
EXPOSURE D:

0

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.

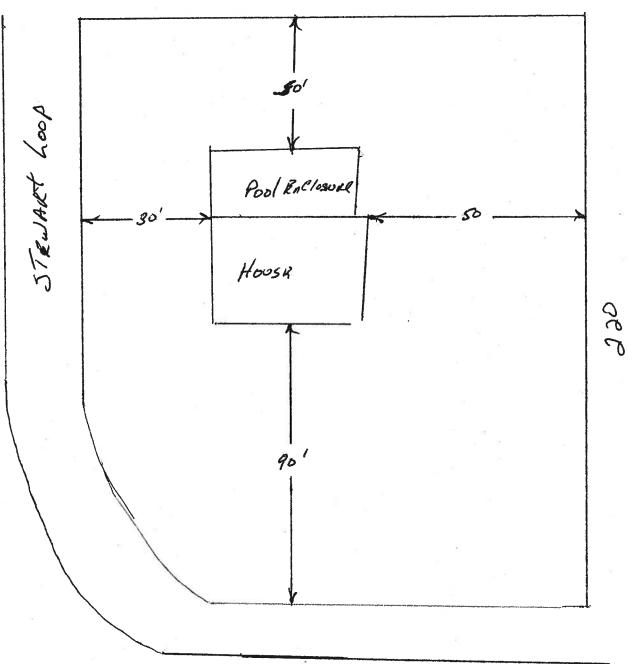
SITE IS EXPOSURE: EVALUATED BY:	braia Timber LAKE DATE:	
2	0	
SIGNATURE: COST	LICENSE # 560056711	





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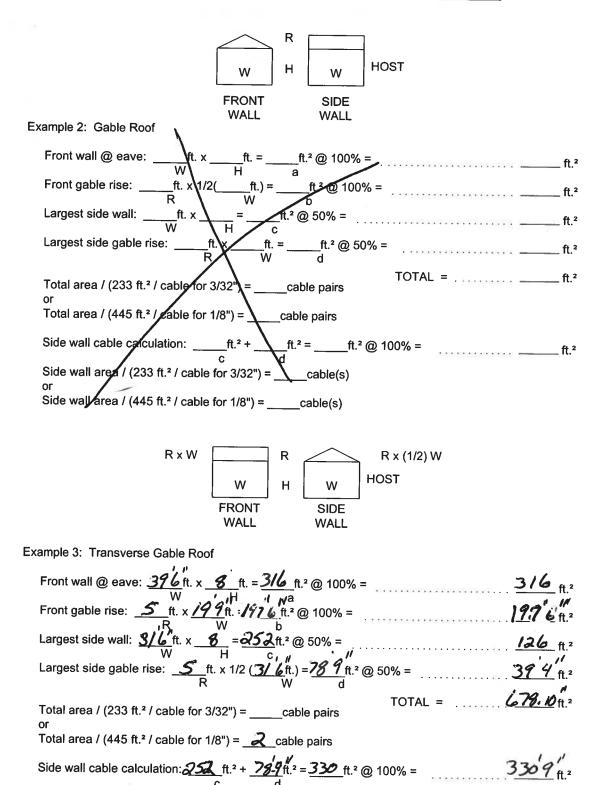
Timbralaka Alvainua Cost Inc 25370 AW 8A1 ARUBEREN F/ DVILA whithow 403 SU STEARE Loop FAKE Cty Fl

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

1	I. Design Statement:	
T L S E N p	These plans have been designed in accordance with the Aluminum Structures Design Manual Lawrence E. Bennett and are in compliance with the 2004 Florida Building Code Edition with Supplements, Chapter 20, ASM35 and The 2005 Aluminum Design Manual Part I-A & II-A; 'B' or 'C' or 'D'; Importance Factor 0.87 for 100 MPH and 0.77 for 110 MPH and Negative I.P.C. 0.00; MPH Wind Zone for 3 second wind gust; Basic Wind Pressure pressures are PSF for roofs & PSF for walls. (see page 1ii for wind loads and design pressures) A 300 PLF point load is also considered for screen roof members. Notes: Wind velocity zones and exposure category is determined by local code. Design preconversion multipliers are on page 1-ii.	h 2006 Exposure higher; ; Design gn
11.	I. Host Structure Adequacy Statement:	
	I have inspected and verify that the host structure is in good repair and attachments made	le to the
	structure will be solid.	
	Contractor / Authorized Rep* Name (please print))
	Contractor / Authorized Rep* Signature	
	Job Name & Address	
	Note: If the total of beam span & upright height exceeds 50' or upright height exce	eds
III.	16', site specific engineering is required. I. Building Permit Application Package contains the following:	Yes No
	A. Project name & address on plans	
	B. Site plan or survey with enclosure location	
	C. Contractor's / Designer's name, address, phone number, & signature on plans	
	D. Site exposure form completed	
	E. Enclosure layout drawing @ 1/8" or 1/10" scale with the following:	
	-	
	 Plan view with host structure, enclosure length, projection from host structure, and all dimensions 	
	Front and side elevation views with all dimensions & heights	<u> </u>
	All mansard wall drawings shall include mansard panel at the top of the wall. 3. Beam location (show in plan & elevation view) & size	
	Roof frame member allowable span conversions from 120 MPH wind zone, "B" Exposure to <u>/20</u> MPH wind zone and / or"C" or"D" Exposure for load width of :	
	Note: Conversion factors do not apply to members subject to point load (P).	
	Look up span in appropriate 120 MPH span table and apply the following formula:	
	•	
	© 120 MPH (b or d) x (b or d) x (b or d) = (b or d) = (c)	
	Wind Zone Multiplier Exposure Multiplier (see page 1ii)	
	4. Upright location (show in plan & elevation view) & size (Table 1.3 & 1.6)	
	5. Chair rail & girt size, length, & spacing	_
	6. Eave rail size, length, spacing and stitching of	

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

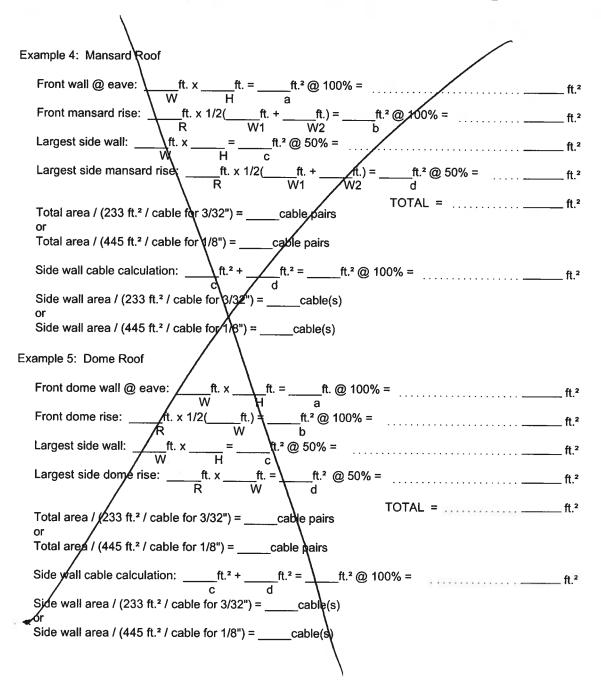
Design Check List for Pool Enclosures (Page 3 of 4)



Side wall area / (233 ft.² / cable for 3/32") = _____cable(s)

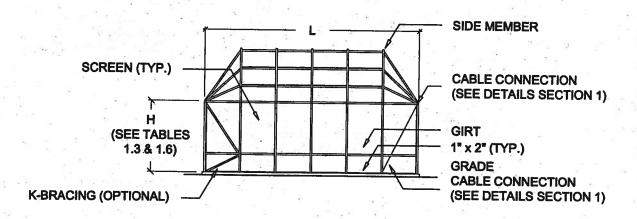
Side wall area / $(445 \text{ ft.}^2 / \text{cable for } 1/8") = // \text{cable(s)}$

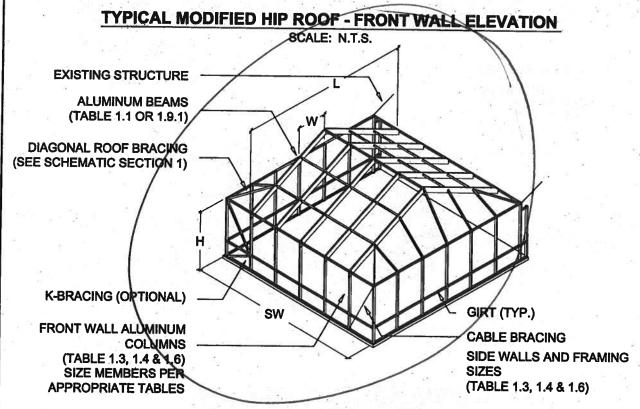
Design Check List for Pool Enclosures (Page 4 of 4)



Notes:







TYPICAL MODIFIED HIP ROOF - ISOMETRIC

SCALE: N.T.S.

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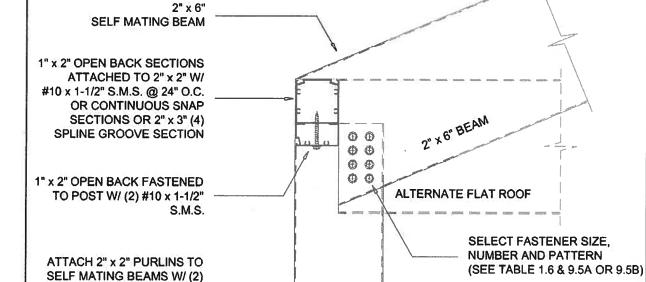
1-6

SECTION 1

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

2" x 3" HOLLOW OR SNAP

SECTION



SLOPING BEAM TO UPRIGHT CONNECTION DETAIL (PARTIAL LAP)

SCALE: 3" = 1'-0"

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#10 x 1-1/2" S.M.S. INTO

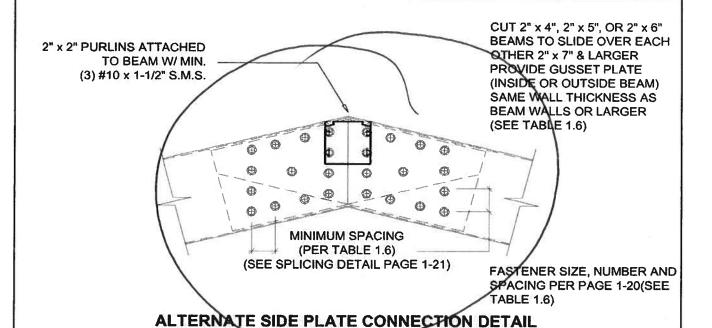
SCREW BOSSES

PAGE

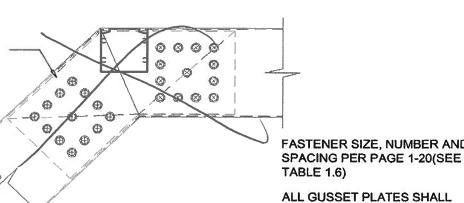
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SECTION 1

SCREENED ENCLOSURES



CUT 2" x 4", 2" x 5", OR 2" x 6" BEAMS TO SLIDE OVER EACH OTHER 2" x 7" & LARGER PROVIDE GUSSET PLATE (INSIDE BEAM) SAME WALL THICKNESS AS BEAM WALLS OR LARGER (SEE TABLE 1.6)



GUSSET PLATE MOUNTED INTERNALLY SCALE: 3" = 1'-0"

FASTENER SIZE, NUMBER AND

TABLE 1.6)

ALL GUSSET PLATES SHALL **BE A MINIMUM OF 5052 H-32** ALLOY OR HAVE AN ULTIMATE YIELD STRENGTH OF 30 KSI

ALTERNATE SIDE PLATE CONNECTION DETAIL - MANSARD ROOF **GUSSET PLATE MOUNTED INTERNALLY**

SCALE: 3" = 1'-0"

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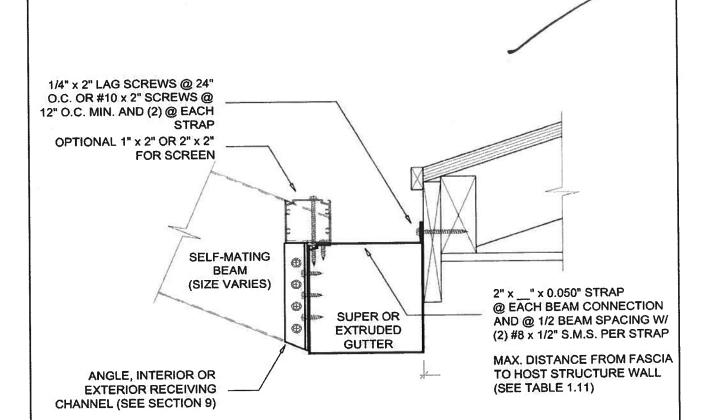
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1-20

SECTION 1



ALTERNATE SELF MATING BEAM CONNECTION TO SUPER OR EXTRUDED GUTTER

SCALE: 3" = 1'-0"

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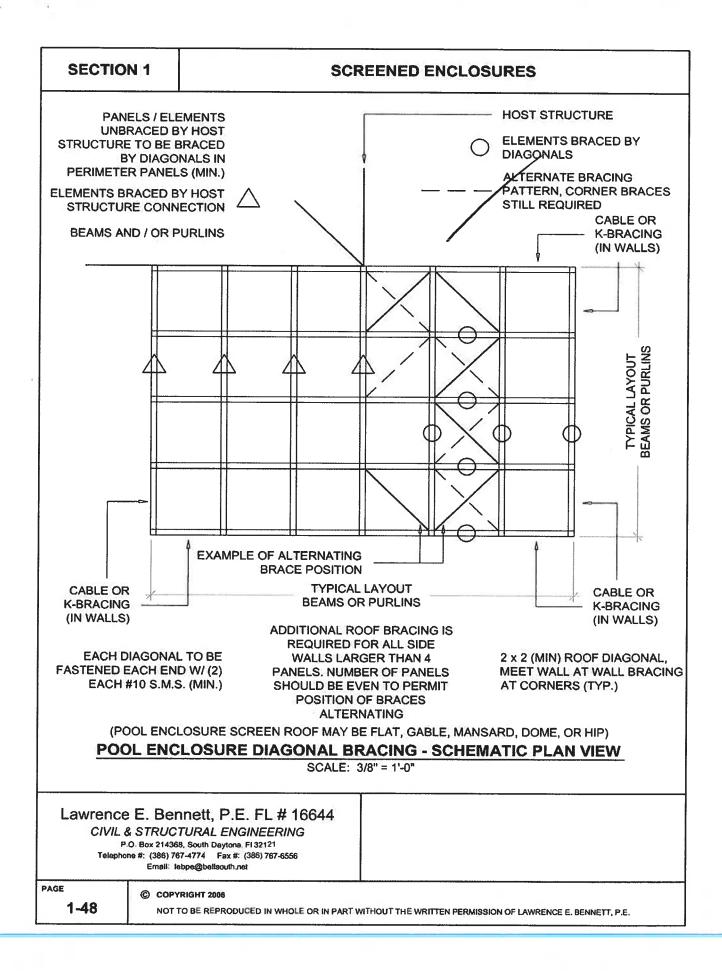
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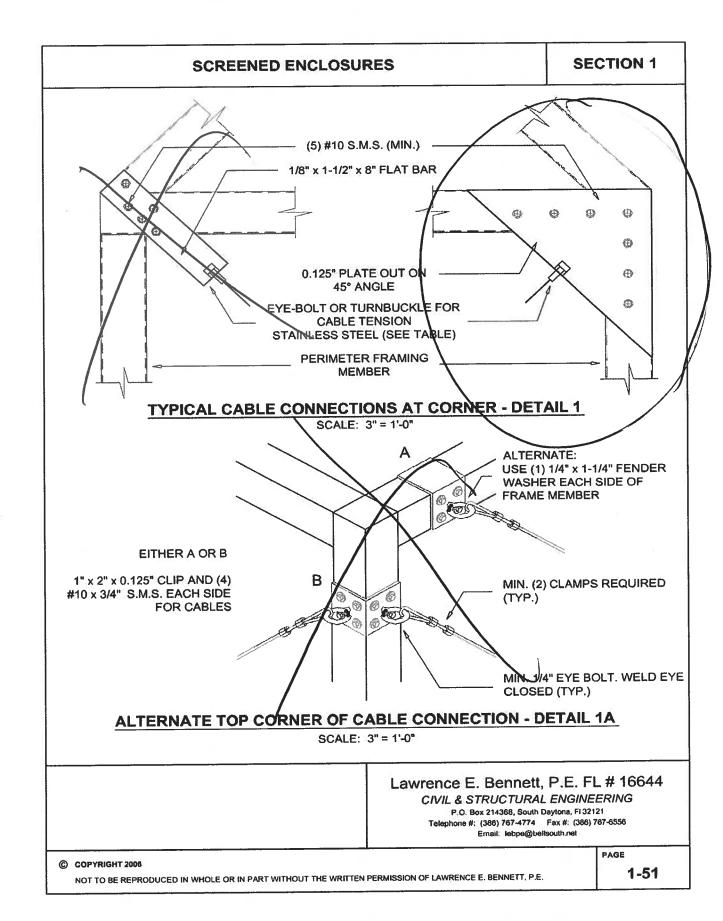
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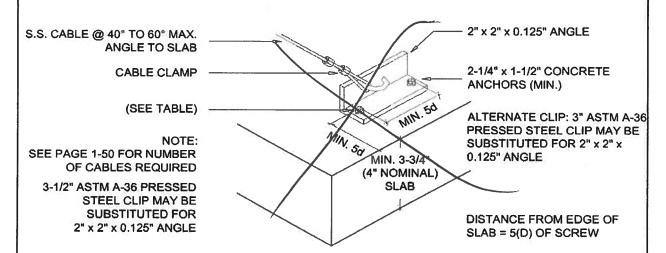
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PAGE





SECTION 1



ALTERNATE CABLE CONNECTION AT SLAB DETAIL - DETAIL 2B

SCALE: 3" = 1'-0"

SELECT ANCHOR FROM TABLE 9-1, MIN. SHEAR 607# FOR 3/32" CABLE AND 594# FOR 1/8" CABLE, FOR 3/32" CABLE (1) 1/4" x 1-1/2" CONCRETE ANCHOR (MIN.) @ 5d MIN.

5-1/2" (6" NOMINAL) SLAB (MIN.)

5d (MIN.)

ALTERNATE CABLE CONNECTIONS AT FOUNDATION - DETAIL 2C

SCALE: 3" = 1'-0"

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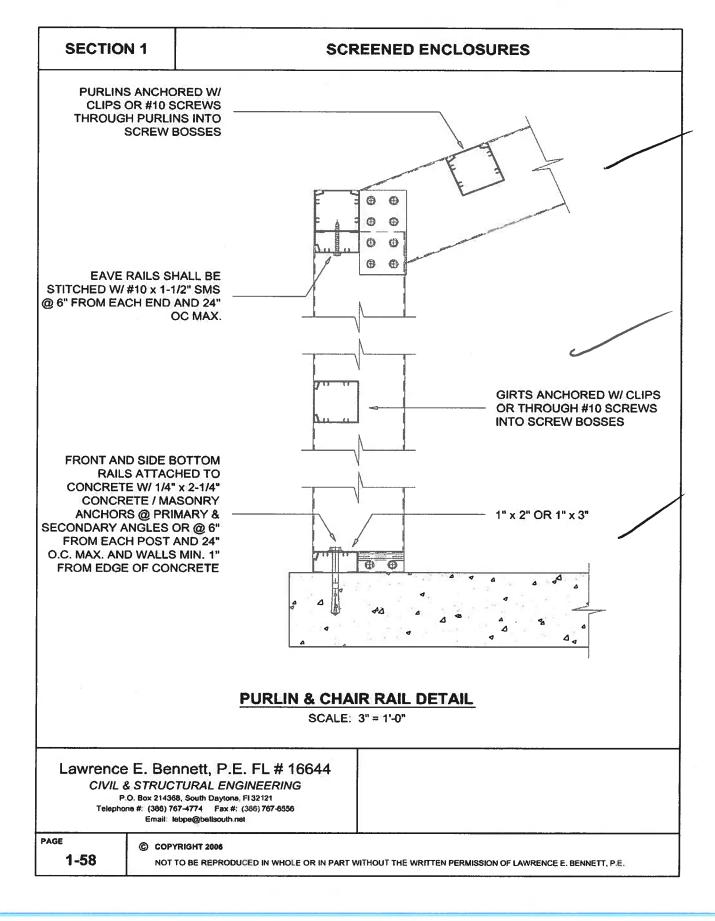
2500 P.S.I. CONCRETE 6 x 6 - 10 x 10 WELDED WIRE MESH OR FIBER MESH

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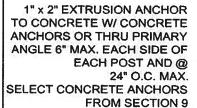
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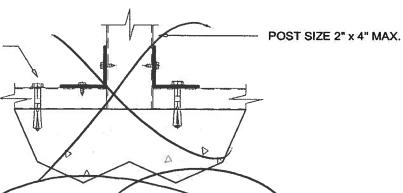
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SECTION 1



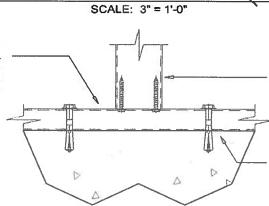
MIN. 3-1/2" SLAB 2500 P.S.I. CONCRETE 6 x 6 - 10 x 10 WELDED WIRE MESH OR FIBER MESH CONCRETE



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 ANCHOR @ 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 ANOMOR REQUIREMENTS

General Notes and Specifications:

1. 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. Ft. = 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).

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SCREENED ENCLOSURES SECTION 1 1/4" x 6" RAWL TAPPER **ALUMINUM FRAME SCREEN** THROUGH 1" x 2" AND **ROWLOCK INTO FIRST** WALL **COURSE OF BRICKS** CAP BRICK BRICK KNEEWALL TYPE 'S' **ALTERNATE CONNECTION OF** MORTAR REQUIRED FOR 36" MAX. SCREENED ENCLOSURE FOR LOAD BEARING BRICK WALL BRICK OR OTHER NON-STRUCTURAL KNEE WALL 4" (NOMINAL) PATIO 1" WIDE x 0.063" THICK STRAP **CONCRETE SLAB (SEE NOTES** @ EACH POST FROM POST TO CONCERNING FIBER MESH) FOOTING W/ (2) #10 x 3/4" S.M.S. STRAP TO POST AND (1) 1/4" x 1-3/4" CONCRETE (3) #3Ø BARS OR (1) ANCHOR TO SLAB OR #5Ø BAR W/ 2-1/2" COVER **FOOTING** (TYP.) BRICK-KNEEWALLAND FOUNDATION FOR SCREEN WALLS SCALE: 3/4" = 1'-0" (1) #5 BAR CONT. (3) #3 BAR CONT. OR BAR CONT. OR 1" PER FT. MAX. FOR 3-1/2" (TYF 2'-0" MIN. ALL SLABS **BEFORE SLOPE** TYPE I TYPE II TYPE III FLAT SLOPE / NO FOOTING STEEP SLOPE FOOTING MODERATE SLOPE FOOTING 0-2" / 12" 2" / 12" - 1'-10" > 1'-10" Notes for all foundation types 1. 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"

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SECTION 1

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			1	ributary	Load	Width "	W' =	Beam Sp	acing	g			
Hollow Sections	3'-0	10	4'-0'	19	5'-0	4	6'-0	19	7'-0'	1 2	8'-0	•	9'-0	**
	Allo	wabl	e Span '	L' /	Point Lo	ad (P	or Unif	orm I	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'-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"	РЬ	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"	Ūď	18'-6"	Ud	17'-9"	Ud

		8		-1	ributary	Load	Width "	W' =	Beam Sp	acin	g			
Self Mating Sections	3'-0'	11	4'-0'		5'-0'		6'-0'	17	7'-0'	t .	8'-0'	1	9'-0'	19
	Allo	wabl	e Span 'i	. /	Point Lo	ad (P	or Unif	orm	Load (U),	ben	ding (b),	defic	ection (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		Pd		Pd
2" x 5" x 0.050" x 0.100"	16'-1"	Pd	16'-1"	Pd	16'-1"	Pd	16'-1"	Pd	16'-1"	Pd	15'-9"	Uđ	15'-1"	Ud
2" x 6" x 0.050" x 0.120"	20'-4"	Pd	20'-4"	Pd	20'-4"	Pd	20'-3"	Ud	19'-3"	Ud	18'-5"	Uď	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"	Uď	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"	Uď	39'-1"	Ud	37'-2"	Ud	35'-6"	Ud	34'-2"	Uď

	4				Tributary	Load	Width."	W' =	Beam Sp	acin	g	**********		
Snap Sections	3'-0	11	4'-0'	19	5'-0	19	6'-0	10	7'-0	19	8'-0	il .	9,-0	49
	Allo	wabl	e Span '	L' /	Point Lo	ad (P) or Unif	orm	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

Note:

- 1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
- 2. The structures designed using this section shall be limited to a maximum combined span and upright height of 50' and a maximum upright height of 16'. Structures larger than these limits shall have site specific engineering.
- 3. 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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1-74

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

				T	ributary	Load	Width "	W' = 1	Purlin S	oacin	g			
Hollow Sections	3'-6	H	4'-0	11	4'-6	H	5'-0	15.)	5'-6	,	6'-0	M	6'-8	11
STREET, AUGUSTINIAN STREET	Alla	wable	s Span '	L' / I	Point Lo	ad (P	or Unif	orm l	oad (U)	ben	ding (b),	defla	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"	РЬ	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

				-	ributary	Load	Width "	W' =	Purlin Sp	acin	g			11
Snap Sections	3'-6	tre	4'-0	**	4'-6	19	5'-0	**	5'-6'	•	6'-0	04	6'-8'	61
	Allo	wabi	e Span '	L'	Point Lo	ad (P) or Unif	orm	Load (U),	ben	ding (b),	defic	ction (d)
2" x 2" x 0.044	4'-11"	Pb	4'-11"	Pb						Pb	4'-11"		4'-11"	
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

				- 250 20	ributary	Load	Width "	W' =	Purlin Sp	acin	g	3833K==		
Hollow Sections	3'-6	11	4'-0	н	4'-6	19	5'-0	11	5'-6'	•	6'-0		6'-8	10
	Allo	wabl	e Span '	L' /	Point Lo	ad (P	or Unif	orm	Load (U),	ben	ding (b),	defle	ction (d)
" x 3" x 0.050"									10'-11"					
2" x 4" x 0.050"	13'-8"	Pb	13'-8"	Pb	13'-8"	Pb	13'-8"	Pb	13'-8"	Pb	13'-8"	Pb	13'-8"	Pb
2" x 5" x 0.062"	22'-4"	Pd	22'-4"	Pd	22'-4"	Pd	21'-7"	Ud	20'-11"	Ųd	20'-4"	Ud	19'-7"	Tud

				٦	ributary	Load	Width "	W' =	Purlin Sp	acin	g			
Snap Sections	3'-6	3'-6"		19	4'-6	19	5'-0	11	5'-6'		6'-0		6'-8'	to e
Onup Occiona	Allo	wabl	e Span '	L' /	Point Lo	ad (P) or Unif	orm	Load (U),	ben	ding (b),	defi	ction (d)	$\overline{}$
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"	Pb

Notes:

- 1. 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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PAGE

7-9 x1.10 + 8-7'

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.

				rib	utary Lo	ad '	Width 'W	'=	Upright :	Spa	cing	550566		
Hollow Sections	3'-0"		4'-0"	- (5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	
			Allov	vab	le Heigh	t "F	" / bend	ling	(b), def	lect	ion (d)			
2" x 2" x 0.044"	7'-5"	d	6'-5"	Ь	5'-8"	b	5'-1"	Ь	4'-8"	b	4'-3"	ь	3'-11"	Ть
2" x 2" x 0.050"	7'-10"	d	7'-1"	Ь	6'-3"	ь	5'-8"	b	5'-2"	ь	4'-9"	ь	4'-5"	16
2" x 2" x 0.090"	8'-11"	d	8'-2"	d	7'-10"	d	7'-1"	Ь	6'-7"	Ь	6'-1"	Ь	5'-9"	1
2" x 3" x 0.045"	8'-4"	d	7'-7"	d	7'-9"	d	6'-11"	d	6'-5"	10	5'-11"	Ь	5'-6"	ь
2" x 4" x 0.050"	11'-2"	ь	9'-7"	Ь	8'-6"	Ь	7'-9"	Ь	7'-1"	Ь	6'-7"	ь	6'-1"	Ь
2" x 5" x 0.062"	17'-3"	Ь	14'-10"	ь	13'-2"	ь	11'-11"	Ь	11'-0"	ь	10'-3"	ь	9'-7"	16

				Frib	utery Lo	ad	Width W	/· =	Upright	Spa	cing			_
Self Mating Sections	3'-0"		4'-0"		5'-0"		6'-0"		7'-0'		8'-0"		9'-0"	
			Allo	wab	le Heigh	t "H	"/ bend	ding	(b), def	lect	ion (d)			_
2" x 4" x 0.044 x 0.100"	11'-11"	d	10'-10"	d	10'-0"	d	9'-5"	Ь	8'-8"	Ь	8'-0"	b	7'-6"	Ь
2" x 5" x 0.050" x 0.100"	14'-9"	d	13'-5"	d	12'-5"	d	11'-7"	Ь	10'-8"	b	9'-11"	ь	9'-4"	ь
2" x 6" x 0.050" x 0.120"	17'-3"	d	15'-8"	d	14'-4"	b	13'-1"	ь	12'-0"	ь	11'-3"	ь	10'-6"	ь
2" x 7" x 0.055" x 0.120"	19'-8"	0	17'-6"	ь	15'-7"	ь	14'-2"	Ь	13'-1"	Ь	12'-2"	ь	11'-5"	ь
2" x 8" x 0.072" x 0.224"	24'-4"	d	22'-1"	d	20'-6"	đ	19'-4"	d	18'-4"	d	17'-6"	d	16'-10"	ਰ
2" x 9" x 0.072" x 0.224"	26'-8"	d	24'-3"	d	22'-6"	d	21'-2"	d	20'-1"	d	19'-3"	d	18'-2"	Ь
2" x 9" x 0.082" x 0.310"	28'-8"	d	26'-0"	d	24'-2"	đ	22'-9"	d	21'-7"	d	20'-8"	d	19'-10"	d
2" x 10" x 0.092" x 0.369"	33'-3"	d	30'-3"	đ	28'-1"	đ	26'-5"	d	25'-1"	d	23'-11"	d	23'-1"	đ

			,	Trib	utary Lo	ad	Width 'W	/'= l	Upright S	Spa	cing		*	
Snap Sections	3'-0"		4'-0"	_	5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	•
" v 2" v 0 044"	H		Allov	vab	le Heigh	t "H	" / bend	ling	(b), defi	lect	ion (d)			
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"	Ь	5'-9"	Ь	5'-3"	16
2" x 4" x 0.045"	11'-2"	d	10'-2"	d	9'-2"	ь	8'-2"	Ь	7'-5"	Ь	6'-9"	ь	6'-2"	Ь
2" x 6" x 0.062"	18'-3"	d	16'-7"	d	15'-5"	d	14'-6"	d	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"	Ь

Notes:

- 1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
- 2. Using screen panel width 'W' select upright length 'H'.
- 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.
- 4. Site specific engineering required for pool enclosures over 30' in mean roof height.
- 5. Height is to be measured from center of beam and upright connection to fascia or wall connection.
- 6. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height 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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1-80

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

Hollow Sections	Tributary Load Width 'W' = Upright Spacing													
	3'-0"	- /6	4'-0"				6'-0"		7'-0"		8'-0"		9'-0'	•
		-	llowable	He	lght "H'	or	Span "L	"/	bending	(b).	deflecti	on (d)	
2" × 2" × 0.044"	7'-5"	d	6'-5"	Ь	5'-8"	b	5'-1"	b	4'-8"	Ъ	4'-3"	Ъ	3'-11"	Tb
2" x 2" x 0.050"	7'-10"	d	7'-1"	ь	6'-3"	b	5'-8"	b	5'-2"	b	4'-9"	b	4'-5"	ь
2" x 2" x 0.090"	8'-11"	d	8'-2"	d	7'-10"	d	7'-1"	b	6'-7"	Ь	6'-1"	ь	5'-9"	ь
3" x 2" x 0.045"	8'-4"	d	7'-4"	ь	6'-6"	b	5'-10"	b	5'-4"	ь	4'-11"	b	4'-7"	Ь
3" x 2" x 0.070"	9'-5"	d	8'-6"	d	7'-9"	b	7'-0"	ь	6'-5"	ь	5'-11"	ь	5'-7"	Ь
2" x 3" x 0.045"	8'-4"	d	7'-7"	d	7'-9"	d	6'-11"	d	6'-5"	d	5'-11"	ь	5'-6"	Ь
2" x 4" x 0.050"	11'-2"	Ь	9'-7"	Б	8'-6"	Ь	7'-9"	ь	7'-1"	ь	6'-7"	ь	6'-1"	Ь
2" x 5" x 0.062"	17'-3"	b	14'-10"	b	13'-2"	ь	11'-11"	b	11'-0"	b	10'-3"	b	9'-7"	b
	T		1	Trib	utary Lo	ad	Width 'W	r=	Upright S	Spa	cing			
Snon Sections	3'.0"		4'-0"		5' 0"		6'.0"		7' 0"		01.04		0' 0"	

	Tributary Load Width 'W'= Upright Spacing												
3,-0,	•	4'-0"		5'-0"		6'-0"	hi.	7'-0"		8'-0'	,	9'	-0"
	- 1	Mowable	Э Н€	ight "H'	or	Span "L'	"/	bending	(b)	deflect	ion (d)	
6'-7"	d	5'-11"	d	5'-7"	d	5'-3"	d	4'-10"	b	4'-5"	Ъ	4'-1	" b
			3'-0" 4'-0" Allowable	3'-0" 4'-0" Allowable He	3'-0" 4'-0" 5'-0" Allowable Height "H"	3'-0" 4'-0" 5'-0" Allowable Height "H" or	3'-0" 4'-0" 5'-0" 6'-0" Allowable Height "H" or Span "L	3'-0" 4'-0" 5'-0" 6'-0" Allowable Height "H" or Span "L" /	3'-0" 4'-0" 5'-0" 6'-0" 7'-0" Allowable Height "H" or Span "L" / bending	3'-0" 4'-0" 5'-0" 6'-0" 7'-0" Allowable Height "H" or Span "L" / bending (b)	3'-0" 4'-0" 5'-0" 6'-0" 7'-0" 8'-0' Allowable Height "H" or Span "L" / bending (b), deflect	3'-0" 4'-0" 5'-0" 6'-0" 7'-0" 8'-0" Allowable Height "H" or Span "L" / bending (b), deflection (3'-0" 4'-0" 5'-0" 6'-0" 7'-0" 8'-0" 9' Allowable Height "H" or Span "L" / bending (b), deflection (d)

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

	Tributary Load Width 'W' = Upright Spacing													
Hollow Sections	3,-0,		4'-0'	1000	5'-0'		6'-0"		7'-0"		8'-0"		9,-0,	
		-	llowabi	е Не	ight "H'	or	Span "L	" /	bending	(b)	deflecti	on	(d)	
3" x 2" x 0.045"	9'-7"	b	8'-3"	ь	7'-3"	b	6'-6"	b	5'-11"	b	5'-6"	Ъ	5'-1"	Ь
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"	b
2" x 3" x 0.045"	11'-2"	d	9'-9"	Ь	8'-8"	b	7'-10"	ь	7'-2"	b	6'-8"	Ь	6'-2"	Ь
2" x 4" x 0.050"	12'-6"	ь	10'-9"	b	9'-6"	Ь	8'-7"	ь	7'-11"	b	7'-4"	ь	6'-10"	ь
2" x 5" x 0.062"	19'-3"	ь	16'-7"	Ь	14'-9"	b	13'-5"	Ь	12'-4"	b	11'-6"	b	10'-9"	b

Snap Sections	Tributary Load Width 'W'= Upright Spacing												
	3'-0"	4'-0"	5'-0"	6'-0''	7'-0"	8'-0"	9'-0"						
	Α	llowable h	leight "H" or	Span "L" /	bending (b)	deflection	(d)						
2" x 2" x 0.044"	8'-10" d	7'-8" t	6'-9" b	6'-0" b	5'-5" b	4'-11" b	4'-7"						

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.
- Span/height is to be measured from center of beam and upright connection to fascia or wall connection.
- 5. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height are designed to be residential gardralls 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" 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.
- 10. To convert spans/heights to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii.

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1-84

SECTION 1

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 Pos	Post/Beam	& Knee Brace Size	[#8 x 1/3"	#10 x 1/3"	#12 x 1/3"	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" x 2" x 0.044"	Partial Lap	8	6	4	#8
2×6SMB	2 x 3 SMB or H	2" x 2" x 0.044"	Partial Lap	10	8	6	#10
2 x 7 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"	1191	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

Connection Example:

 $2" \times 7"$ beam & $2" \times 5"$ 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 puriin size is minimum girt size. (i.e. $2^n \times 9^n \times 0.072^n \times 0.224^n \text{ s.m.b. w/}$ $2^n \times 6^n \times 0.050 \times 0.120^n \text{ s.m.b. upright requires a } 2^n \times 0.045^n \text{ girt / chair rail.})$

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PAGE

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1-94

^{** (1)} Stitching screw at 16" O.C. max.