DATE	Columbia County Bu This Permit Must Be Prominently Posted of		struction	PERMIT 000028081
APPLICANT ANT	THONY TRIMBLE	PHONE	386.438.0559	000020001
ADDRESS 548	P V SANGO A 12 DOSTRIBOLTOS PO DESERVOS DA CAMBROS	LAKE CITY		FL 32024
And the property of the second	RRY SMITH	PHONE	752-3655	
ADDRESS 317	NW LAKE VALLEY TERRACE	LAKE CITY	-	FL 32055
CONTRACTOR	ANTHONY D. TRIMBLE	PHONE	386.438.0559	
LOCATION OF PRO	DPERTY LAKE JEFFERY RD, TL ON SCE	NIC LAKE DR., TR ON	LAKE	
	VALLEY DR, 7TH LOT ON L.			
TYPE DEVELOPM	ENT SCREEN POOL ENCL. EST	TIMATED COST OF CO	NSTRUCTION	5000.00
HEATED FLOOR A	REA TOTAL ARE	Α	HEIGHT	STORIES
FOUNDATION	WALLS R	OOF PITCH	FLC	OOR
LAND USE & ZON	ING RSF-2	MAX	. HEIGHT 35	5
Minimum Set Back I	Requirments: STREET-FRONT 25.00	REAR	15.00	SIDE
NO. EX.D.U. 0	FLOOD ZONE	DEVELOPMENT PERM	MIT NO.	
PARCEL ID 22-3	S-16-02269-126 SUBDIVISION	N LAKE VALLEY/W	VOODBOROUGH	
LOT 26 BLC	OCK PHASE UNIT	TOTA	AL ACRES 0.5	0
	0281	- Colo	2 ()	
Culvert Permit No.	Culvert Waiver Contractor's License Nun	nber	Applicant/Owner/O	Contractor
EXISTING	X-09-265 BLK		RTJ	N
Driveway Connection	n Septic Tank Number LU & Zonir	ng checked by App	proved for Issuance	New Resident
COMMENTS: NO	C ON FILE.			
			Check # or Ca	sh ²⁵⁴⁷
	FOR BUILDING & ZONIN	IG DEPARTMENT	ONLY	(footer/Slab)
Temporary Power	Foundation		Monolithic	,
	date/app. by	date/app. by		date/app. by
Under slab rough-in		date/app. by	Sheathing/N	Mailingdate/app. by
Framing	date/app. byInsulation	date/app. by		частарр. бу
	ate/app. by date	e/app. by		
Rough-in plumbing a	bove slab and below wood floor	El	ectrical rough-in	
Hand & Ala Dane		ate/app. by	1961 - 53	date/app. by
Heat & Air Duct	Peri. beam (Linte date/app. by	date/app. by	Pool _	date/app. by
Permanent power	date/app. by	-	Culvert	
Pump pole	Utility Pole M/H tie d	late/app. by owns, blocking, electricit	v and plumbing	date/app. by
date/ap	op. by date/app. by	,, <u>,</u>		date/app. by
Reconnection	date/app. by	date/app. by	Re-roof	date/app. by
BUILDING PERMIT	FEE \$ 25.00 CERTIFICATION FE	E \$0.00	SURCHARGE	FEE \$ 0.00
MISC. FEES \$		74		
	0.00 ZONING CERT. FEE \$	FIRE FEE \$0.0	0 WASTE	E FEE \$
FLOOD DEVELOPA			=======================================	55,000 (60,000)
FLOOD DEVELOPN	FLOOD ZONE FEE \$		тот.	55,000 (60,000)

PERMIT

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.

Prepared by and Return to:	
Lake City Lakeside Aluminum	
548 SW Brandy Way	
Lake City, FL 32024	
Permit No	

Inst 200912014608 Date 8/31/2009 Time 11 05 AM DC P DeWitt Cason Columbia County Page 1 of 1 B.1179 P.2706

	NOTICE OF COMMENCEMENT	
	FS 713.13	
Stat	te of Florida	
Cou	into of Columbia	
THE	ELINDED SIGNED bereby gives notice that improvement will be made to certain real property,	
and	in accordance with Chapter 713, Florida Statutes, the following information is provided in this	
Noti	Legal description of property and street address if available: Parcel FD 12-35-16-	22269426
1.	Legal description of property and street address if available. The total Lake valley Sub division Wood borough Lake Jeff	env
RI		
	neral description of improvement: screen enclosure	
	Company Information: Name and address:	
۷.	HARRY Smith 317 NW Lake Valley For Lake Seftery RD TL on Scenic Lake dr. TR on Lake Oclley Forr 1	
	Lake Seffer RD TL on Scenic Lake dr. TR on Lake Oclley Ferr 7	" House on lett
	b. Interest in property: 100%	
	c. Name and address of fee simple titleholder (if other than Owner)	
	-	
3.	Contractor: Name and address: Lake City Lakeside Aluminum , 548 SW Brandy Way	
	Lake City, FL 32024 Share number (optional if service by fax is	
	Phone number (386) 755 1059 438 Fax number (optional, if service by fax is acceptable) (386) 755 1063 438 755 9	
4.	Surety: Name and address N/A	
	Phone number N/A Fax number (optional, if service by fax is acceptable)	
	Amount of Bond \$_N/A	
	Lender: Name and address_N/A	
	Phone number N/A Fax number (optional, if service by fax is acceptable) N/A	
5.	Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: (name and address):	
	Phone numbers of designated persons	
	Fax number (optional, if service by fax is acceptable)	
6.	to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida	
	Statutes. Phone number of person or entity designated by ownerFax	
	number (optional, if service by fax is acceptable)	
7.		
	1/2	
	Signature of Owner	
	STATE OF FLORIDA	
	COUNTY OF Columbia	
	Sworn to (or affirmed) and subscribed before me this 3/5+ day of Aug., 2005, who is personally known to me as identification	-
	or who has producedas identification and who did v_ or did not take an oath	
	Notary Public (Signature)	
	Notary Fubile (Oignature)	



Columbia County Building Permit Application

For Office Use Only Application	# <u>0909-15</u> Da	te Received 9/10/	69 By 👉 Permit #	8021
Zoning Official OLK Date	14.01.09 Flood Zon	e <u>WA</u> Land	Use RESLIV DEV. Zoning R	(SF-2
FEMA Map # Elevation_	NFE NA	RiverN/A Pla	ans Examiner / /	_ Date <u> </u>
Comments				
□ NOC □ EH □ Deed or PA □ Site				
Dev Permit #				
IMPACT FEES: EMS	Fire = TOTAL _ <i>N/A</i> -	_Corr_	Road/Code	
Septic Permit No. V-09- 265		HUUSEY JIII	Fax (386) 755-9	33/
Name Authorized Person Signing Pe	ermit AN thoray	Trimble		
Address 548 SW Br				
Owners Name HARRY	Smith		_ Phone 752 - 3	455
911 Address 317 NW La				
Contractors Name Lakesid	e Alumina	in INC.	_ Phone (386) 438	-0559
Address 548 SW B	Brandy way	Lake Cit	4 FL 32024	·
Fee Simple Owner Name & Address	N/H			
Bonding Co. Name & Address	N/A	3 "	- dudd Da	Ra- 2 14268
Architect/Engineer Name & Address Mortgage Lenders Name & Address	s NA	Gennett P.	R # 16644 5001h	Daytona Bah
Circle the correct power company		Clay Elec. – Suw	annee Valley Elec. – Pr	ogress Energy
Property ID Number 22-35-	14-02269-124	Estimated Cost	of Construction	000
Subdivision Name Wood bour Driving Directions Lake Lefter	gh - Lake unlle	<u> Lot</u>	26 Block Unit	Phase
Driving Directions Lake Lefter	YED, TL on S	icenic Lake dr	ive TR on Lake Va	alley du
7th Lot on left	manus and the same and			
Maria de la companione de		Number of Existin	ng Dwellings on Property_	0
Construction of Scheen Pool	Enclosure	Tot	al Acreage <u>//</u> Lot	Size
Do you need a - <u>Culvert Permit</u> or <u>C</u>				
Actual Distance of Structure from Pro	operty Lines - Front 2	500 Side 10.00	Side 10 no Re	ar_15.50
Number of Stories Heated Flo		13	Roof Pitc	
Application is hereby made to obtain installation has commenced prior to				

of all laws regulating construction in this jurisdiction.

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.

YOU ARE HEREBY NOTIFIED as the recipient of a NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: 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 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. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

Comm# DD0705448 Expires 12/11/2011

Florida Notary Assn., Inc.

OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT. **Owners Signature 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 License Number Contractor's Signature (Permitee) **Columbia County Competency Card Number** Affirmed under penalty of perjury to by the Contractor and subscribed before me this or Produced Identification

Personally known V

State of Florida Notary Signature (For the Contractor)

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID POST OFFICE BOX 1328 LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID POST OFFICE BOX 1328 LAKE CITY, FL 32058-1328

Property Appraiser's Identification Number R02269-126

nst:2003015426 Date:07/23/2003 Time:10:00

oc Stamp-Deed: 1726.90

DC, P. Dewitt Cason, Columbia County B:989 P:981

WARRANTY DEED

THIS INDENTURE, made this 18th day of July, 2003, BETWEEN ISAAC CONSTRUCTION, INC., a Florida corporation, whose post office address is Route 9 Box 646, Lake City, Florida 32024, of the County of Columbia, State of Florida, grantor*, and HARRY J. SMITH and AMY K. SMITH, Husband and Wife whose post office address is 317 NW Lake Valley Terrace , Lake City, Florida 32055, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

AS DESCRIBED IN EXHIBIT "A" ATTACHED.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

"'Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Isaac Brafkovich, President Printed Name

DeEtte F. Brown

mat: 2003015426 Date: 07/23/2003 Time: 10:00

oc Stamp-Book : 1726.90
DC, P. DeWitt Cason, Columbia County B:989 P:982

STATE OF Florida COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 16 day of July, 2003, by Isaac Bratkovich, President of ISAAC CONSTRUCTION, INC., a Florida corporation who is personally known to me and who did not take an oath.

My Commission Expires:

Notary Public

Pfinted, typed, or stamped name:



A percel of find in Section 22, Township 3 South, Range 16 East, Cohumbia County, Florida, being more particularly described as follows:

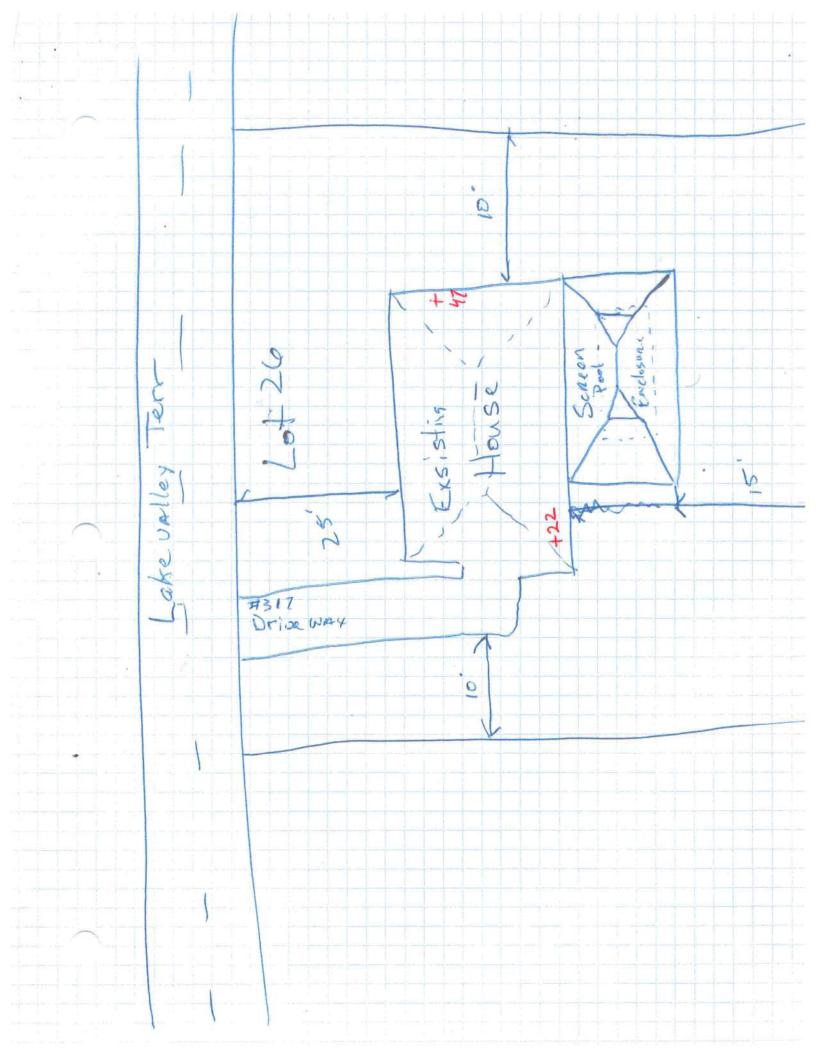
COMMENCE at the Southwest corner of the East 350 feet of the Northwest 1/4 of the Southeast 1/2 and run North 00"17"34" East along the West line of the East 350 feet of the West 1/2 of the Southeast 1/2 a distance of 317:39 feet to a point on the Easterly Right-of-Way line of NW Lake Valley Drive (an existing paved county road); thence North 13°36'27" East along said Easterly Right-of-Way line of NW Lake Valley Drive (an existing paved county road) a distance of 204.55 feet to the POINT OF BEGINNING; thence continue North 13°36'27" East still along said Easterly Right-of-Way line of NW Lake Valley Drive (an existing paved county road) a distance of 142.00 feet to the Southwest corner of Lot 27 of Lake Valley in Woodborough Phase 6, a subdivision recorded in Plat Book 7, Page 108, of the Public Records of Columbia County, Florida; thence South 76"23'33" East along the South line of said Lot 27 of Lake Valley in Woodhorough Phase 6 a distance of 244.63 feet to a point on the West line of Lot 51 of Woodborough Phase I, a subdivision recorded in Plat Book 5, Pages 114-114A of the Public Records of Columbia County, Florida; thence South 17°45'13" West along said West line of Lot 51 of Woodborough Phase 1 a distance of 115.37 feet to the Northwest corner of Lot 50 of said Woodborough Phase 1; thence South 05°03'01" West along the West line of said Lot 50 of Woodborough Phase 1 a distance of 27.24 feet; thence North 76"23"33" West a distance of 240.34 feet to the POINT OF BEGINNING.

NOW KNOWN AS

Lot 26 of "LAKE VALLEY IN WOODBOROUGH PHASE 7" a subdivision according to the plat thereof as recorded in Plat Book 7, Page 123 of the public records of Columbia County, Fiorida.

Inst:2003015426 Date:07/23/2003 Time:10:00
oc Stamp-Deed: 1726.90
DC,P.DeWitt Cason,Columbia County B:989 P:983

_



4. Upright location (show in plan & elevation view) & size. 4. Upright location (show in plan & elevation view) & size. 5. Chair rall & girt size, length, & spacing (Table 1.4) 6. Eave rall size, length, spacing and stitching of (Table 1.4) 6. Eave rall size, length, spacing and stitching of (Table 1.2) • Must have attended Engineer's Continuing Education Class within the past two years. Wall frame member allowable span conversions from 120 MPH wind zone, "B" Exposure to MPH wind zone and orC" or"D" Exposure for load width of: Look up span in appropriate 120 MPH span table and apply the following formula: Span / Height	Note: If the total of beam span & upright height exceeds 50' or upright height exceeds 16', site specific engineering is required. III. Building Permit Application Package contains the following: 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: 1. Plan view with host structure, enclosure length, projection from host structure, and all dimensions 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 toMPH 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: Span	I. Design Statement: These plans have been designed in accordance with the Aluminum Structures Design Manual by Lawrence E. Bennett and are in compliance with the 2004 Florida Building Code Edition with 2006 Supplements, Chapter 20, ASM35 and The 2005 Aluminum Design Manual Part LA, Elyacsure 'B' or 'C' or 'D'. Importance Factor 0.87 for 100 MPH and 0.77 for 110 MPH and higher, Negative I.P.C. 0.00; MPH Wind Zone for 3 second wind gust, Basic Wind Pressure : Design pressures are PSF for roofs & PSF for walls, (see page 1 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 pressures and conversion multipliers are on page 1. II. Host Structure Adequacy Statement: I have inspected and verify that the host structure is in good repair and attachments made to the structure will be solid. Contractor / Authorized Rep* Name (please print) Date: Contractor / Authorized Rep* Signature Date:
/ cable for 1/8") = (W	Side wall area / (233 ft.² / cable for 3/32") =cable(s) Side wall area / (445 ft.² / cable for 1/8") =cable(s) FRONT SIDE WALL WALL Example 2: Gable Roof Front wall @ eave:ft. xft. =ft.² @ 100% =ft.² Front gable rise:ft. x 1/2(ft.) =ft.² @ 100% =ft.² Front gable rise:ft. xft. =ft.² @ 50% =ft.² Largest side wall:ft. xft. =ft.² @ 50% =ft.² Total area / (233 ft.² / cable for 3/32") =cable pairs TOTAL =ft.² Side wall cable calculation:ft.² +ft.² @ 100% =ft.² Side wall area / (233 ft.² / cable for 3/32") =cable(s)	7. Anchors go through pavers into concrete. 8. Minimum footing and / or knee wall details. 9. Cable or K- brace details Section 1. 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 Front wall @ eave:
tures length, projection, plan & height as shown on the plans. In size, span & spacing & stitching screws In size, span & spacing & stitching screws It all size, length, spacing & stitching of "" x2" to 2" x2" Sure roof diagonal bracing is installed snug braces are properly installed. In size, span & spacing & stitching of "" x2" to 2" x2" Sure roof diagonal bracing is installed snug braces are properly installed. In size, spacing & stitching of "" x2" to 2" x2" Sure roof diagonal bracing is installed snug braces are properly installed. In size, spacing of fasteners to upright standber, size & spacing of fasteners to upright standber, size & spacing of fasteners of angle to deck and sole plate bit is anchored to deck through brick pavers then anchors shall go through this anchored to deck through brick pavers shen anchors shall go through this anchored to deck through brick pavers shen anchors shall go through this anchored to deck through brick pavers shen anchors shall go through this anchored to deck through brick pavers shen anchors shall go through this anchored to deck through brick pavers shen anchors shall go through this anchored to deck through brick pavers shen anchors shall go through this anchored to deck through brick pavers shen anchors shall go through this anchored to the stitution of angle shall go through this are unpright of upright or guister for: Yes No In the beam connection and / or splices have correct number & spacing of the brackets are used in framing check for correct thickness and size & number te and tables: In the part of the stands of the structure of gutter for: In the part of the stands of the structure of gutter of the stands of the structure of gutter In the part of the stands of the structure of gutter In the part of the stands of the structure of gutter In the part of the stands of the structure of gutter In the part of the stands of the structure of gutter In the part of the stands of the structure of gutter In the part of the stands of the structure of g	ave:ft. xft. =ft. @ 100% =ft. x /1/2(ft.) =ft.^2 @ 100% =ft.^2 @ 100% =ft.^2	wall wall
AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER US 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: lebpe@bellsouth.net	ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES INSPECTION GUIDE / DESIGN CHECK LIST 2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION	ASHE INDUSTRIES, INC. 4505 TRANSPORT DRIVE, TAMPA, FL 33605 813-247-2743 (ASHE) X248, 1-800-780-2743 (ASHE) FAX 813-247-2809, www.asheindustries.com

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. SITE IS EXPOSURE: EXPOSURE D: NOTE: ZONES ARE MEASURED FROM STRUCTURE OUTWARD EXPOSURE_ QUADRANT IV NO SHORT TERM CHANGES IN 'B', 2 YEARS BEFORE SITE EVALUATION AND BUILD OUT WITHIN 3 YEARS, SITE WILL BE 'B'. 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. FLAT, OPEN COUNTRY, GRASSLANDS, PONDS AND OCEAN OR SHORELINES IN ANY QUADRANT FOR GREATER THAN 1,500 FEET. ANY 'C' EXPOSURE FOR GREATER THAN 600 FEET IN ANY QUADRANT. 1500 _ EVALUATED BY: SITE EXPOSURE EVALUATION FORM SCALE: 1" = 1200" EXPOSURE___ EXPOSURE__ QUADRANT III QUADRANT I -600 1500 EXPOSURE___ QUADRANT II 1500" DATE: AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER USERS REQUIRE RAISED SEAL COPIES 유 ALUMINUM STRUCTURES DESIGN MANUAL Lawrence E. Bennett, P.E. FL # 16644 SCREEN ENCLOSURES CIVIL & STRUCTURAL ENGINEERING INSPECTION GUIDE / DESIGN CHECK LIST R.O. Box 214368, South Daytona, FI 32121 ASHE INDUSTRIES, INC. Telephone #: (386) 767-4774 Fax #: (386) 767-6556, 4505 TRANSPORT DRIVE, TAMPA, FL 33605 813-247-2743 (ASHE) X248, 1-800-780-2743 (ASHE) FAX 813-247-2809, www.asheindustries.com 2004 FBC W/ 2006 SUPPLEMENTS Email: lebpe@bellsouth.net 2 2006 EDITION REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF LAWRENCE E. BENNETT, P.E. © COPYRIGHT 2006

General Notes and Specifications:

- The following structures are designed to be married to site built block or wood frame DCA approved modular structures of adequate structural capacity. The contractor / home owner shall verify that the host structure is in good condition and of sufficient strength to hold the proposed addition.
- If the owner or contractor has a question about the host structure, the owner (at his own expense) shall hire
- 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
- Connections to fascia shall be limited to overhangs shown in table 1.11 or less unless site specific Spans are for enclosures with mean roof heights less than 30'. For greater heights, consult engineer.
- The proper structural name for a chair rail or top rail of an enclosure is a girt. Thus the terminology shall be engineering is provided.
- Screws that penetrate the water channel of the super gutter shall have ends clipped off for safety of cleaning gutter and the heads of screws through the gutter into the fascia shall be caulked.
- An additional super gutter strap or ferrule is required to be located near the midpoint of the beam spacing. Straps shall be attached to each truss / rafter tall when a 2" sub-fascia does not exist. Straps at the beam are not required when straps are placed @ each truss / rafter tail and spacing of straps does not exceed When using TEK screws in lieu of S.M.S., longer screws must be used to compensate for drill head. ent details for pans and composite panels.
- Super or extruded gutter details are applicable to all widths of super or extruded gutters, and gutters may be substituted. Gutter straps and/or ferrules shall be the width of the inside and outside of the super or extruded gutter respectively. The center of the knee braces shall not be more than 6" above the top of the super or
- If the sub-fascia is 3/4", and the sub-fascia is in good repair, a 3/4" P.T.P. strip the width of the fascia may be added to the existing sub-fascia by attaching the plywood with (2) 16d x 3" common nails or (2) #8 x 3" This gives the equivalent of a 2" fascia.
- Spans may be interpolated between values but not extrapolated outside values.
- Load width and / or panel spacing used in determining spans / heights is measured from center to center of All 2" X 4" and larger purins shall have an internal or external angle clip or screw boss to fasten the bottom of the purlin to the beam.

15.

13.

12.

#

- Screen panel A is 6' center to center. Screen panel B is 7' center to center. The load width of the frame member between panel A and B is (6'/2 + 7'/2) = 6.5' or 6'-6".

 The distance, spacing or load width is not measured between frame members as that would add 2" to the load width if figured that way.
- For Design Check List and Inspection Guides for Screened Enclosures, see Appendix (Section 10).
- Other shapes than those shown in Section 8 with State Product Approvals may be used with the details of All aluminum extrusions shall meet the strength requirements of ASTM B221 after powder coating.
- All aluminum shall be ordered as to the alloy and hardness after heat treatment and paint is applied. his section so long as the shapes are compatible with the details

Section 1 Design Statement:

The structures designed for Section 1 are framing systems with screen roofs & walls and loads have

	150	1401 & 2	130		123		
	7	6	S	4.3		4	4 4
and in case of the Contract of	0.76	0.82	0.89	0.96		1.00	1.00
	24	21	18	15.9		15	13
	0.79	58.0	16.0	0.97		1.00	1.07

150	1401 & 2	130	123	120	110	100	Wind Zone (MPH)	
7	6	On.	4.3	4	4	3	Applied Load (PSF)	
0.76	0.82	0.89	0.96	1.00	1.00	1.15	Conversion Factor	10000
24	21	18	15.9	15	13	12	Applied Load (PSF)	
0.79	0.85	0.91	0.97	1.00	1.07	1.12	Conversion Factor	- CHILD

	Wind Zone Applied (MPH) Load (PSF	100 3	110 4	120 4		123 4.3		\$2
Roofs	(F) Factor	1.15	400	1.00	1.00	1.00	1.00 0.96	1.00 0.96 0.89
W	Applied Load (PSF)	12		13	15	13 15	13 15 15.9	15 15.9 18 21
Valls	Conversion	1.12		1.07	1.07	1.07 1.00	1.07 1.00 0.97	1.07 1.00 0.97 0.91

150	1401 & 2	130	123	120	110	100	Wind Zone (MPH)	
7	6	51	4.3	4	4	3	Applied Load (PSF)	KO
0.76	0.82	0.89	0.96	1.00	1.00	1.15	Conversion Factor	KOOIS
24	21	18	15.9	15	13	12	Applied Load (PSF)	W
0.79	0.85	0.91	0.97	1.00	1.07	1.12	Conversion Factor	Walls

Notes: Multipliers are for wall loads only. Multipliers only apply to members when spans / heights are controlled by wind pressure, not by point load.

	Ind Velocity (MPH)	100	110	120	123	130	1401 & 2	150
Basic	Wind Pressure (PSF)	13	14	17	18	20	23	26
	Roofs (PSF)	သ	4	4	4.3	5	6	7
Exposure 'B'	Windward Walls (PSF)	12	13	15	15.9	18	21	24
	Leeward Walls (PSF)	10	9	13	13.3	14	15	18
	Roofs (PSF)	5	5	6	6.3	7	8	9
Exposure 'C'	Windward Walls (PSF)	17	18	21	22.2	25	29	33
	Leeward Walls (PSF)	13	14	17	17.6	19	23	27

	Wind Zone Applied (MPH) Load (PS	100 3	110 4	120 4		14.0	
Ro	lied (PSF)					ω	<u>س</u>
Roofs	Conversion Factor	1.15	1.00		1.00	1.00	1.00 0.96 0.89
W	Applied Load (PSF)	12	13	± n		15.9	15.9
Walls	Conversion Factor	1.12	1.07		1.00	1.00	1.00 0.97 0.91

Pressure (PSF)	(PSF)	Walls (PSF)	Leeward Walls (PSF)	Roofs (PSF)	Windward Walls (PSF)	Leeward Walls (PSF
13	သ	12	10	5	17	13
14	4	13	9	5	18	14
17	4	15	13	6	21	17
18	4.3	15.9	13.3	6.3	22.2	17.6
20	5	18	14	7	25	19
23	6	21	15	8	29	23
26	7	24	18	9	33	27

Wind Velocity Wind Roofs Windward Leaward Roofs Windward
Pressure (PSF) (PSF) Walls (PSF) Walls (PSF)
13 3 12 10 5
14 4 13 9 5
13 6
123 18 4.3 15.9 13.3 6.3 22.2
7
1401 & 2 23 6 21 15 8 29
150 26 7 24 18 9 33
STOCK DIEWES DISWOULD STOCK

	CTION 1
Basis	Uniform
	Loads f
	1 Uniform Loads for Structures with Screen Roof & Walls
101	with S
	creen
1	Roof &
	k Walls

	14	18	cs.	9	13	4	#	110	
	13	17	5	10	12	w	13	100	г
	Leeward Walls (PSF)	Windward Leeward Walls (PSF) Walls (PSF)	Roofs (PSF)	Leeward Walls (PSF)	Windward Leeward Walls (PSF) Walls (PSF)	(PSF)	Pressure (PSF)	(MPH)	
		Exposure 'C'			Exposure 'B'		Basic		
			of & Walls	Screen Roc	ctures with	s for Stru	SECTION 1 Uniform Loads for Structures with Screen Roof & Walls	ECTION 1	CO
			Tables:	Section 1	tions for S	pecifica	General Notes and Specifications for Section 1 Tables:	General N	
red to be	are conside	components	II framing	SF (#/SF), A	table are in F	he below	All pressures shown in the below table are in PSF (#/SF). All framing components are considered to be 6005 T-5 alloy.	All pressures s 6005 T-5 alloy.	
screen.	sing 18 / 14 :	on(d) when us	y deflection	controlled b	for members) and 1.07	controlled by bending(b) and 1.07 for members controlled by deflection(d) when using 18 / 14 screen.	controlle	
members	s by 1.10 for	y wall heights	er. Multiply	creen or large	on 20 / 20 sc	are based	110 or higher. All loads are based on 20 / 20 screen or larger. Multiply wall heights by 1.10 for members	110 or h	
0.77 for	0 MPH and 0	= 0.87 for 10t	° to 20°; I:	of slope of 0"	s than 30'; ro	ight of less	assume a mean roof height of less than 30'; roof slope of 0° to 20°; I = 0.87 for 100 MPH and 0.77 for	assume	
loads	ments. The	2006 Supple	g Code w/	orida Building	f the 2004 Flo	apter 20 or	loads used are from Chapter 20 of the 2004 Florida Building Code w/ 2006 Supplements. The loads	loads us	
esign	0.00. The di	idered to be	ent is cons	sure coefficie	internal press	negative	structures are open, the negative internal pressure coefficient is considered to be 0.00. The design	structure	
nce these	pefficient. Sin	il pressure co	ive interna	de any negat	est that include	d tunnel te	been determined by wind tunnel test that include any negative internal pressure coefficient. Since these	been de	

All pressures shown in the below table are in PSF (#ISF). All framing components are considered to be \$1005 T-5 alloy. Ill pressures shown in the below table are in PSF (#ISF). All framing components are considered to be \$1005 T-5 alloy. Ill pressure shown in the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). All framing components are considered to be \$100 T-5 alloy. In the below table are in PSF (#ISF). In the belo
Exp S S W
Exp.
All freasures shown in the below table are in PSF (#/SF). All framing con 1005 T-5 alloy. leral Notes and Specifications for Section 1 Tables: 10N 1 Uniform Loads for Structures with Screen Roof & Walls
g con
nonta
10 or higher. All loads are based on 20 / 20 screen or larger. Multiply wall heights by 1.10 for members
assume a mean roof height of less than 30'; roof slope of 0° to 20°; I = 0.87 for 100 MPH and 0.77 for
oads used are from Chapter 20 of the 2004 Florida Building Code w/ 2006 Supplements. The loads
structures are open, the negative internal pressure coefficient is considered to be 0.00. The design
been determined by wind tunnel test that include any negative internal pressure coefficient. Since these

	Basic		Exposure 'B'			Exposure 'C'	1
nd Velocity (MPH)	Wind Pressure (PSF)	Roofs (PSF)	Windward Walls (PSF)	Leeward Walls (PSF)	Roofs (PSF)	Windward Walls (PSF	vard (PSF)
100	13	ယ	12	10	5	17	
110	14	4	13	9	5	18	
120	17	4	15	13	6	21	
123	18	4.3	15.9	13.3	6.3	22.2	
130	20	cs.	18	14	7	25	
401 & 2	23	6	21	15	8	29	
450	200	4	2	40		3	

	Wind Zone (MPH)	100	110	120	123	130	1401 & 2	150
Ro	Applied Load (PSF)	3	4	4	4.3	5	6	7
Roofs	Conversion Factor	1.15	1.00	1.00	96.0	0.89	0.82	92.0
W	Applied Load (PSF)	12	13	15	15.9	18	21	24
Walls	Conversion Factor	1.12	1.07	1.00	0.97	0.91	0.85	0.70

CONNECTION DETAILS AND NOTES ARE FOUND IN SUBSEQUENT PAGES

Conversion Table 1B Load Conversion Factors Based on Mean Roof Helght from Exposure "B" to "C" & "D"

	Expos	Exposure o to c	•	Expo	xposure B to D	0
00	Load	Span I	Span Multiplier	Load	Span N	Span Multiplier
	Factor	Bending	Deflection	Conversion	Bending	Deflection
	1.21	0.91	0.94	1.47	0.83	0.88
•	1.29	0.88	0.92	1.54	0.81	0.87
	1.34	0.86	0.91	1.60	0.79	0.86
	1,40	0.85	0.89	1.66	0.78	0.85
•	1.37	0.85	0.90	1.61	0.79	0.85

bers when spans / heights are controlled by wind pressure, not by point load.

K-BRACING (OPTIONAL)

SCREEN (TYP.)

GIRT (TYP.)

SEE TABLES 1.3, 1.4 & 1.6

5

PURLINS (TYP.) SIDE WALL MEMBER

EXISTING STRUCTURE

TYPICAL MANSARD

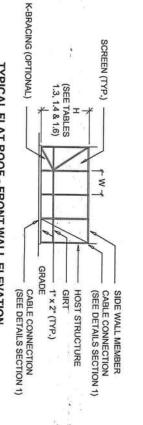
ROOF - FRONT WALL ELEVATION

NOTE: USE H2 FOR CABLE AREA CALCULATION

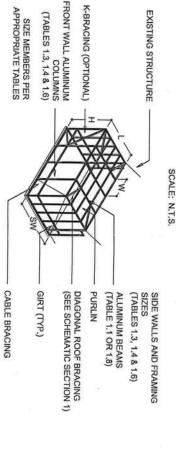
SCREEN (TYP.)

Conversion Example (Convert span for Exposure "B" to "C");

f max span found from span tables for Exposure "B" = 31'-11" = 31,92'
and the mean roof height of the structure is 0-15' then multiply span by 0.91



TYPICAL FLAT ROOF - FRONT WALL ELEVATION



TYPICAL FLAT ROOF - ISOMETRIC

SCALE: N.T.S.

TYPICAL NOMENCLATURE FOR SCREENED ENCLOSURES

H - MAXIMUM UPRIGHT HEIGHTS
L - MAXIMUM BEAM SPAN WITHOUT KNEE BRACE.
(ADD HORIZONTAL LENGTH OF KNEE BRACE TO SPAN FROM TABLES)
SW - SIDE WALLS CAN BE FRAMED WITHOUT TOP BEAM AND CAN BE SMALLEST EXTRUSIONS ALLOWED BY SPAN TABLES

ADDRESS:

OB NAME:

SHEET

NOT

RAWING FOR ONE PERMIT ONLY

2006

유

00

© COPYRIGHT 2006

PURSUANT TO PROVISIONS OF THE FLORIDA DEPARTMENT OF HIGHWAY SAFETY & MOTOR VEHICLES DIVISION OF MOTOR VEHICLES RULE 15C-2, THE SPAN TABLES, CONNECTION DETAILS, ANCHORING AND OTHER SPECIFICATIONS ARE DESIGNED TO BE MARRIED TO CONVENTIONALLY CONSTRUCTED HOMES AND / OR MANUFACTURED HOMES AND MOBILE HOMES CONSTRUCTED AFTER 1984. HE DESIGNS AND SPANS SHOWN ON THESE DRAWINGS ARE ASED ON THE LOAD REQUIREMENTS FOR THE FLORIDA UILDING CODE 2004 EDITION W/ 2006 SUPPLEMENTS.

11-7-2008

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

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

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

Email: lebpe@bellsouth.net

CONNECTION DETAILS AND NOTES ARE FOUND IN THE SUBSEQUENT PAGES. SCALE: N.T.S. SIZE MEMBERS PER APPROPRIATE TABLES AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER USERS REQUIRE RAISED SEAL COPIES

ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES SECTION 1 DETAILS

CABLE BRACING

SIDE WALL FRAME (TABLES 1.3, 1.4 & 1.6)

DIAGONAL ROOF BRACING (SEE SCHEMATIC SECTION

ALUMINUM BEAM (SEE TABLE 1.1 OR 1.9.1)

FRONT WALL ALUMINUM COLUMNS K-BRACING (OPTIONAL)

(TABLES 1.3, 1.4 & 1.6)

1" x 2" (TYP.)

TYPICAL MAN

GIRT (TYP.)

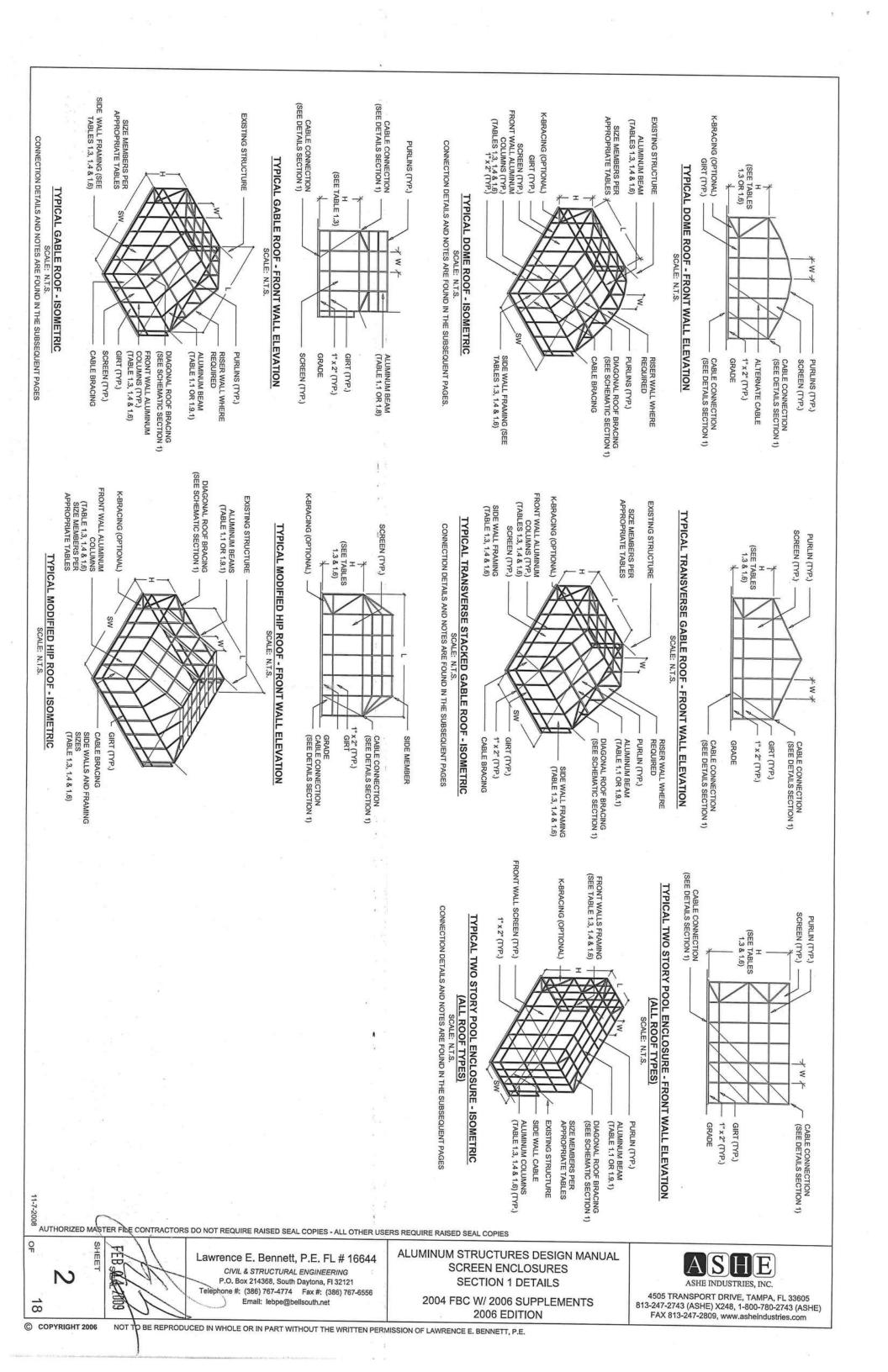
GRADE

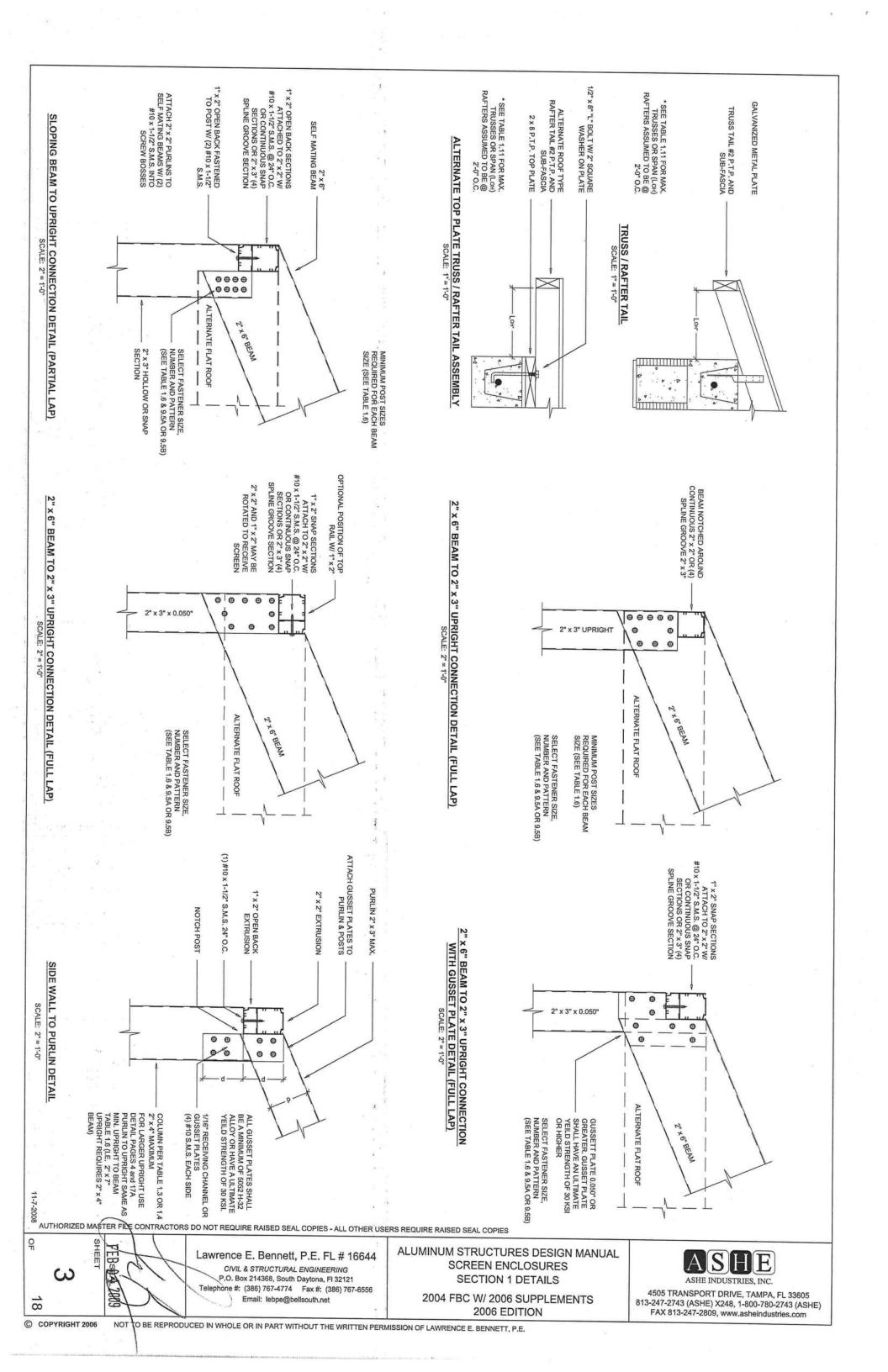
(SEE DETAILS SECTION 1)

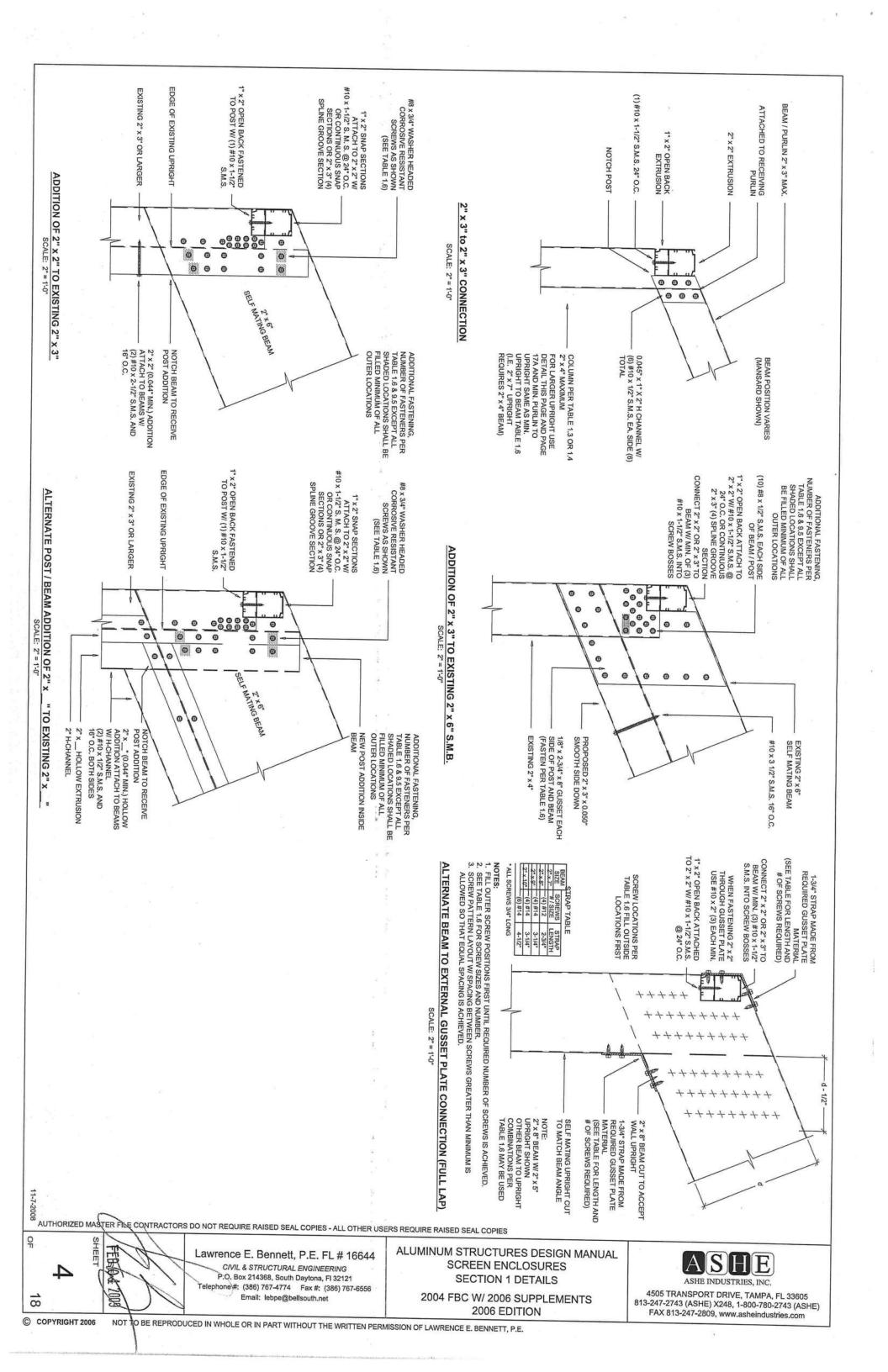
(SEE DETAILS SECTION 1)

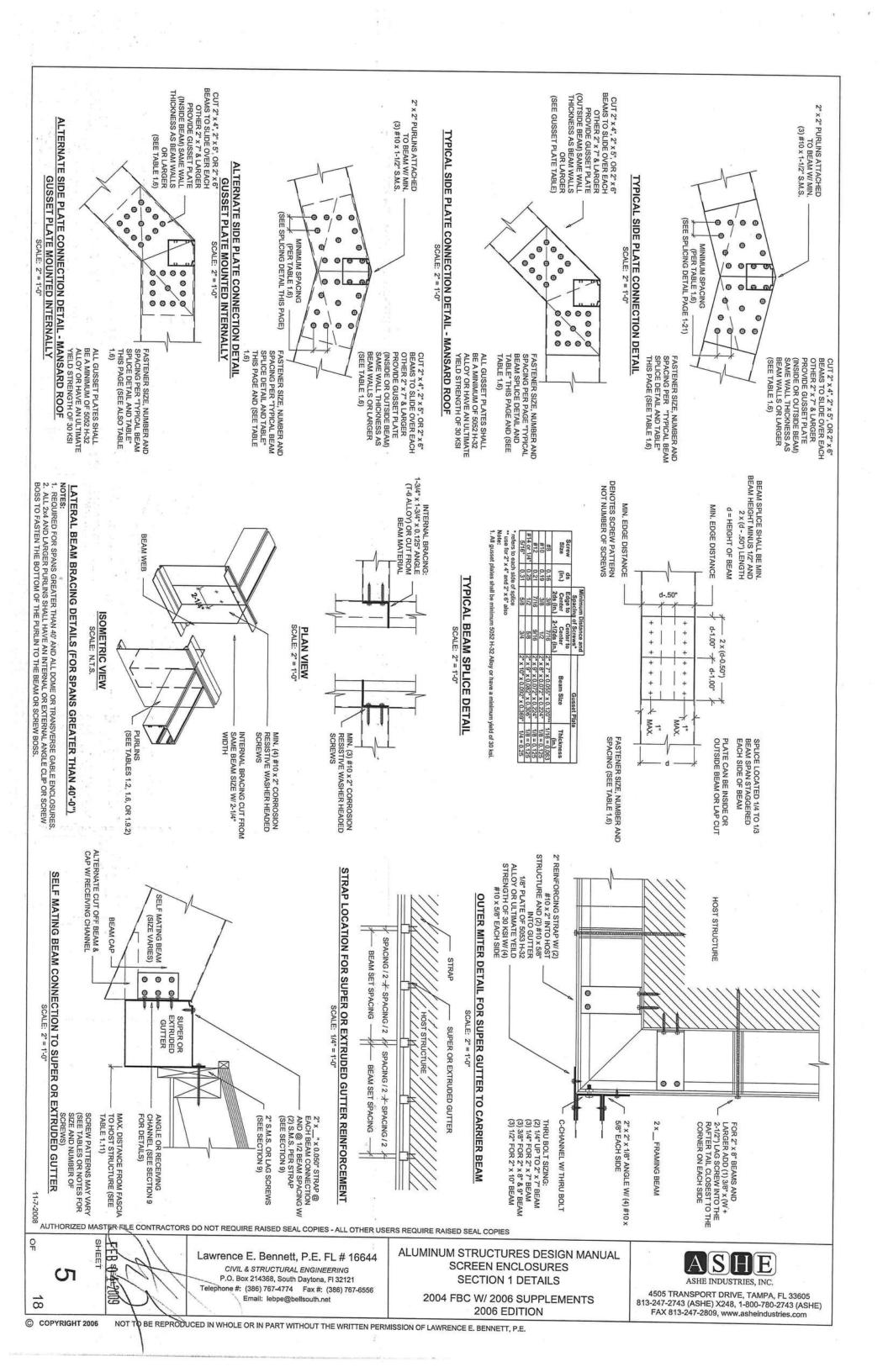
ASHE INDUSTRIES, INC. 4505 TRANSPORT DRIVE, TAMPA, FL 33605 813-247-2743 (ASHE) X248, 1-800-780-2743 (ASHE) FAX 813-247-2809, www.asheindustries.com

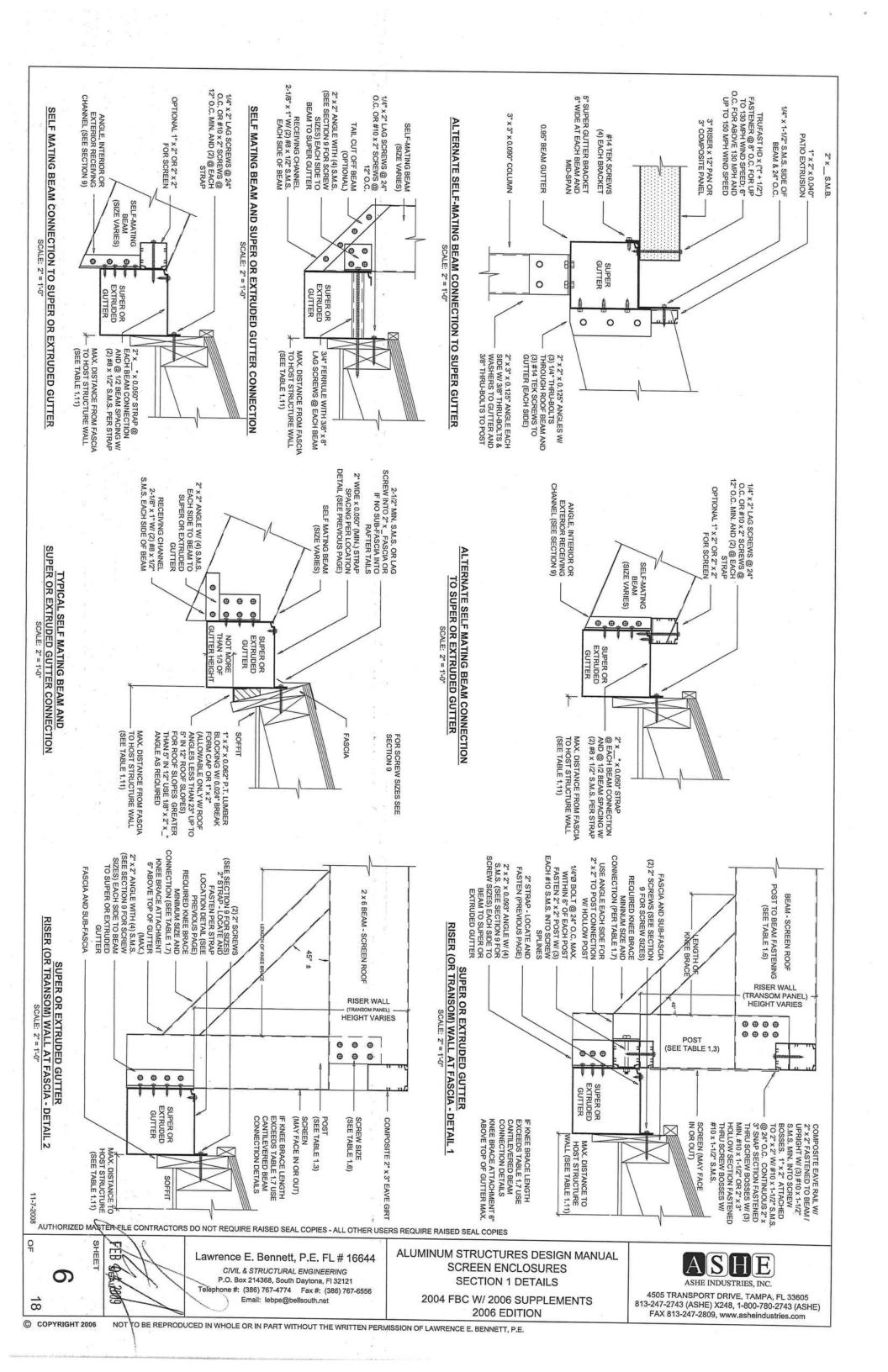
2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION O BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF LAWRENCE E. BENNETT, P.E.

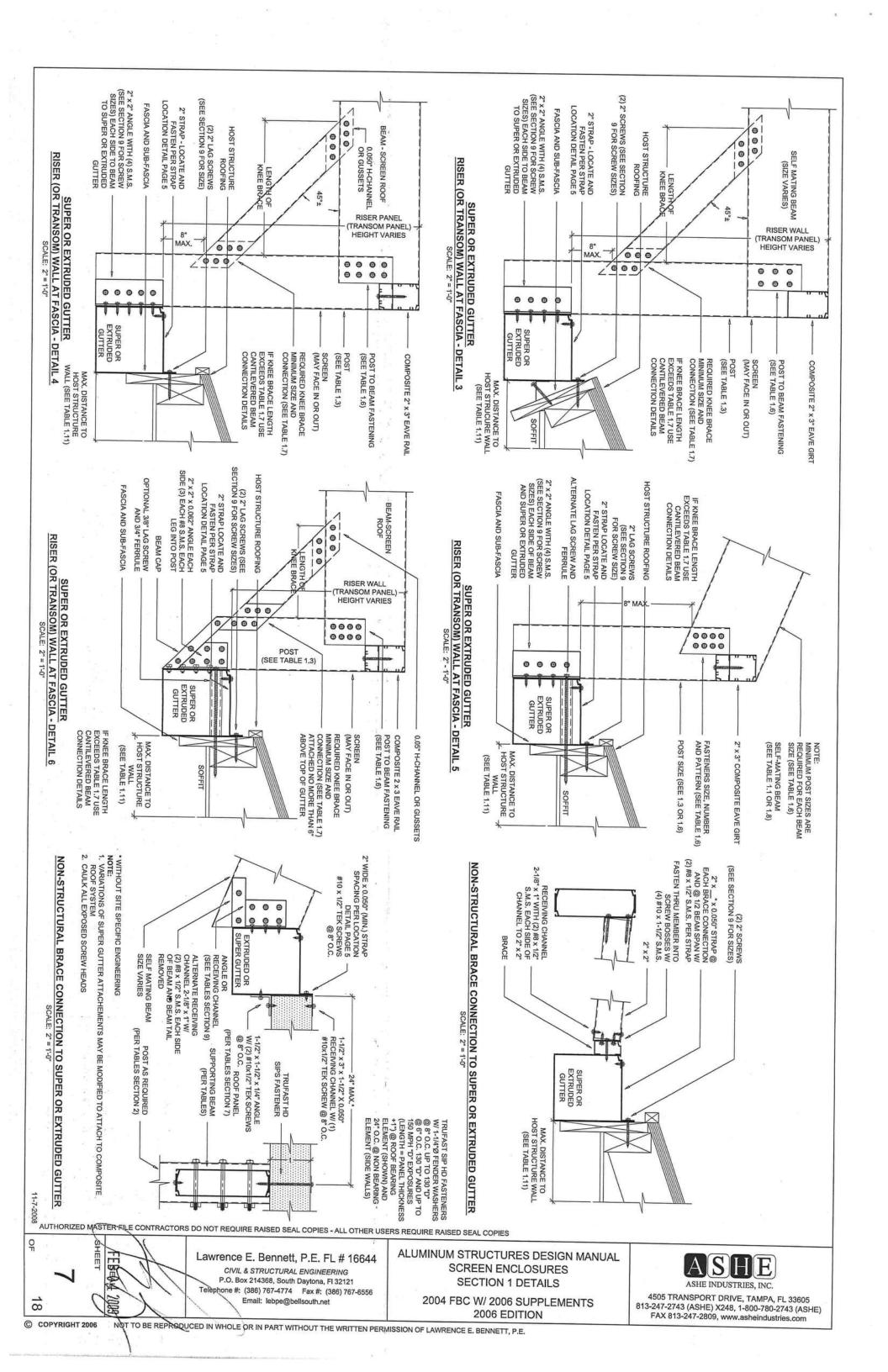


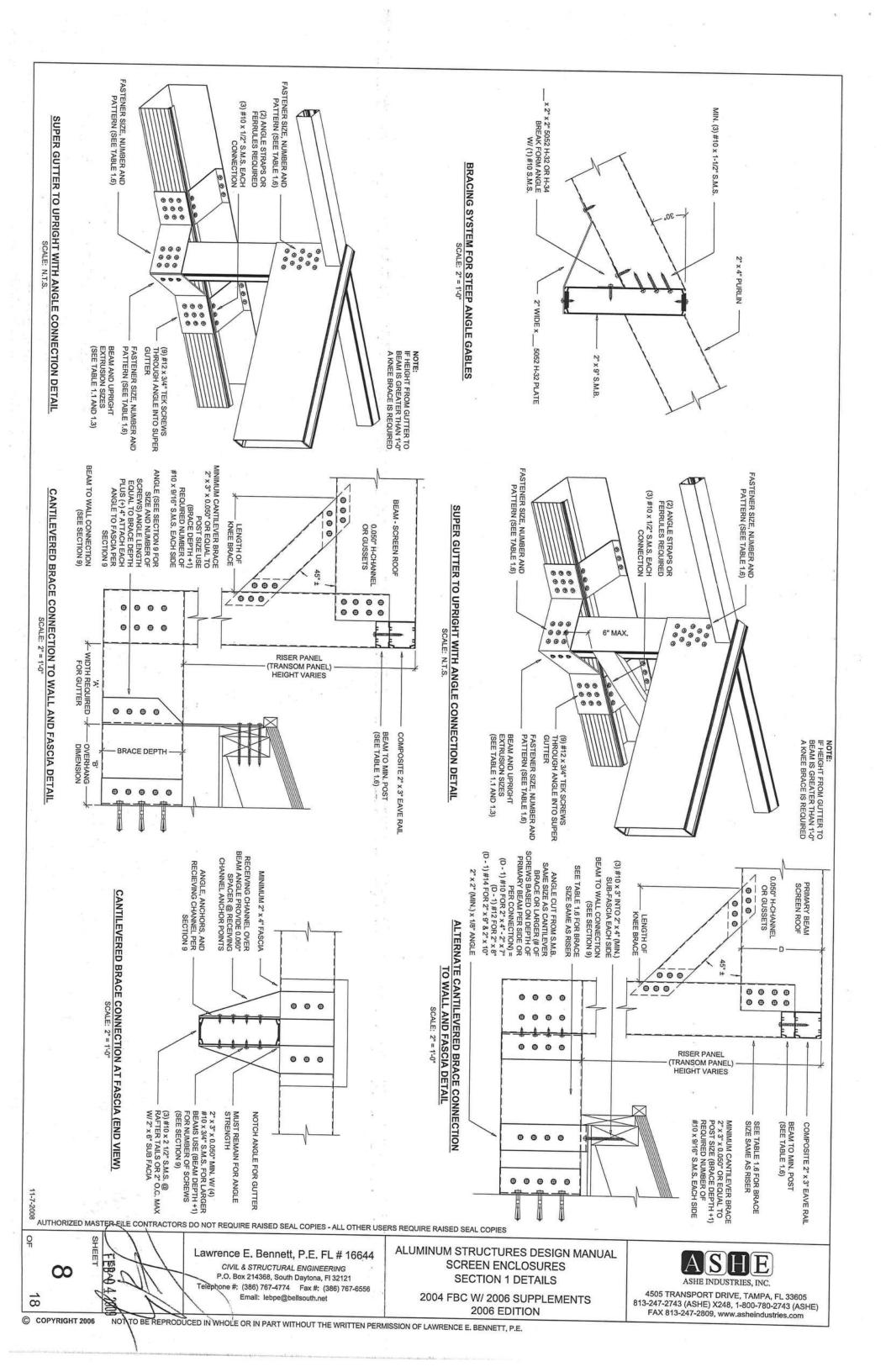


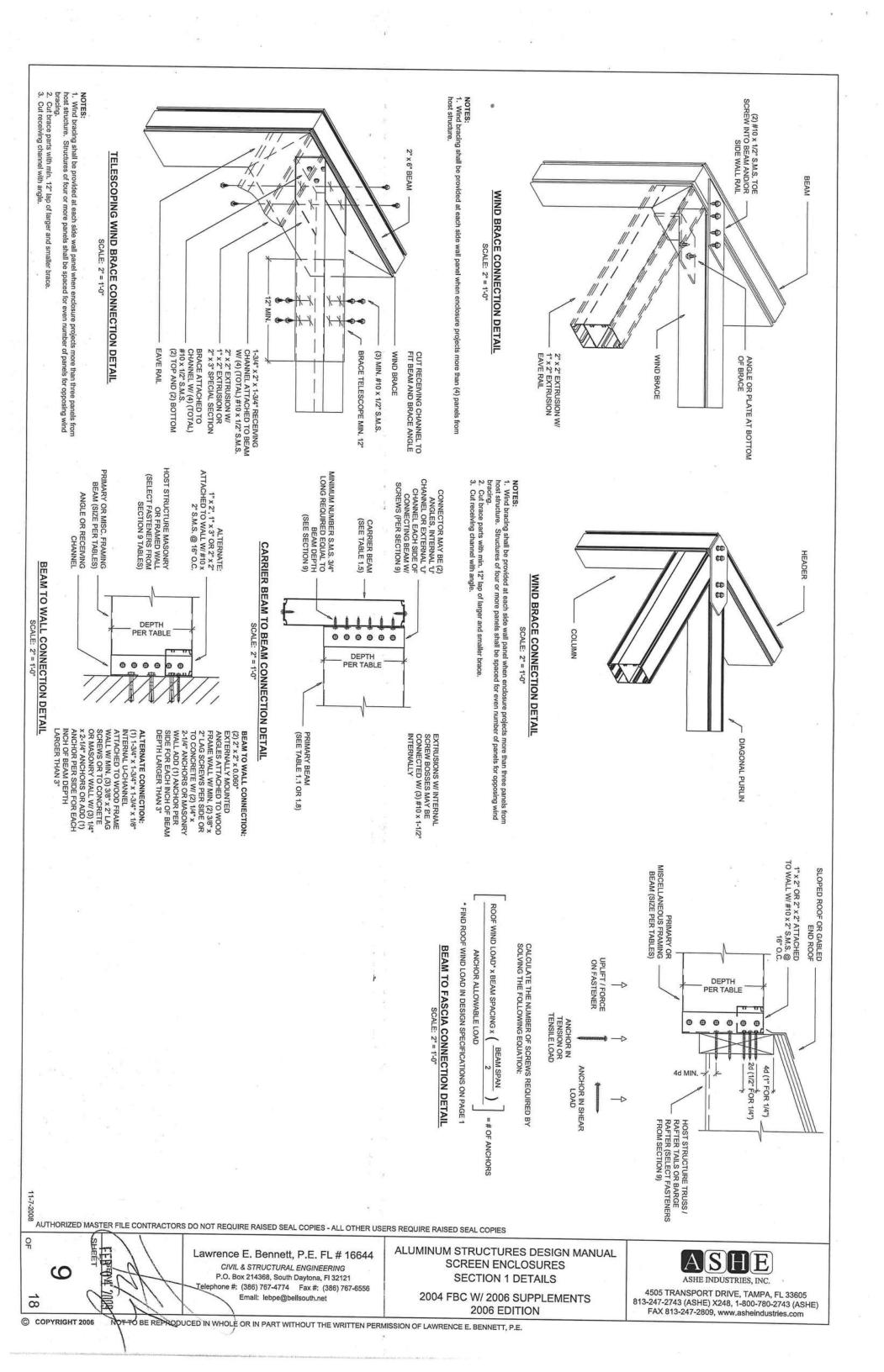


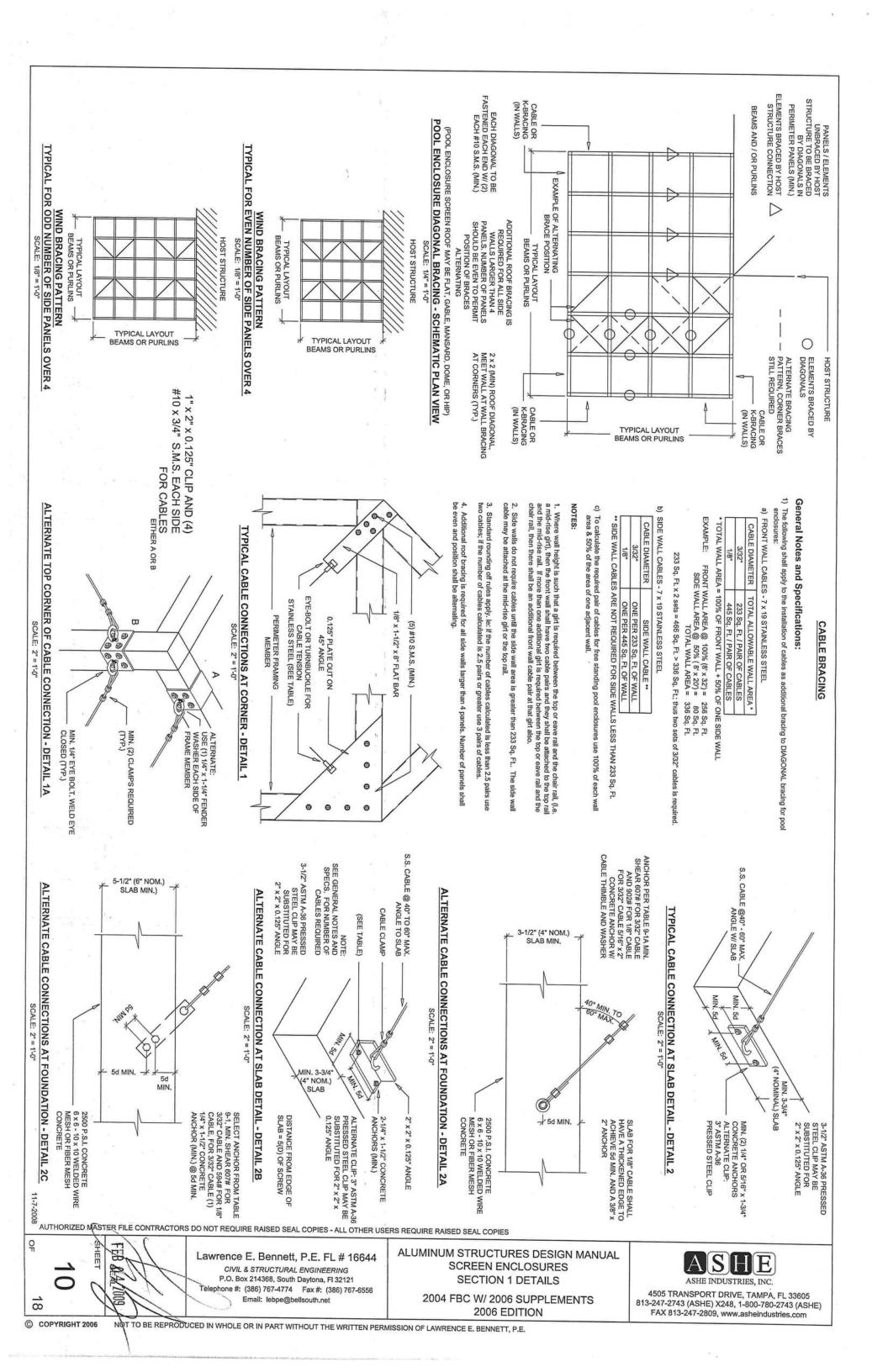


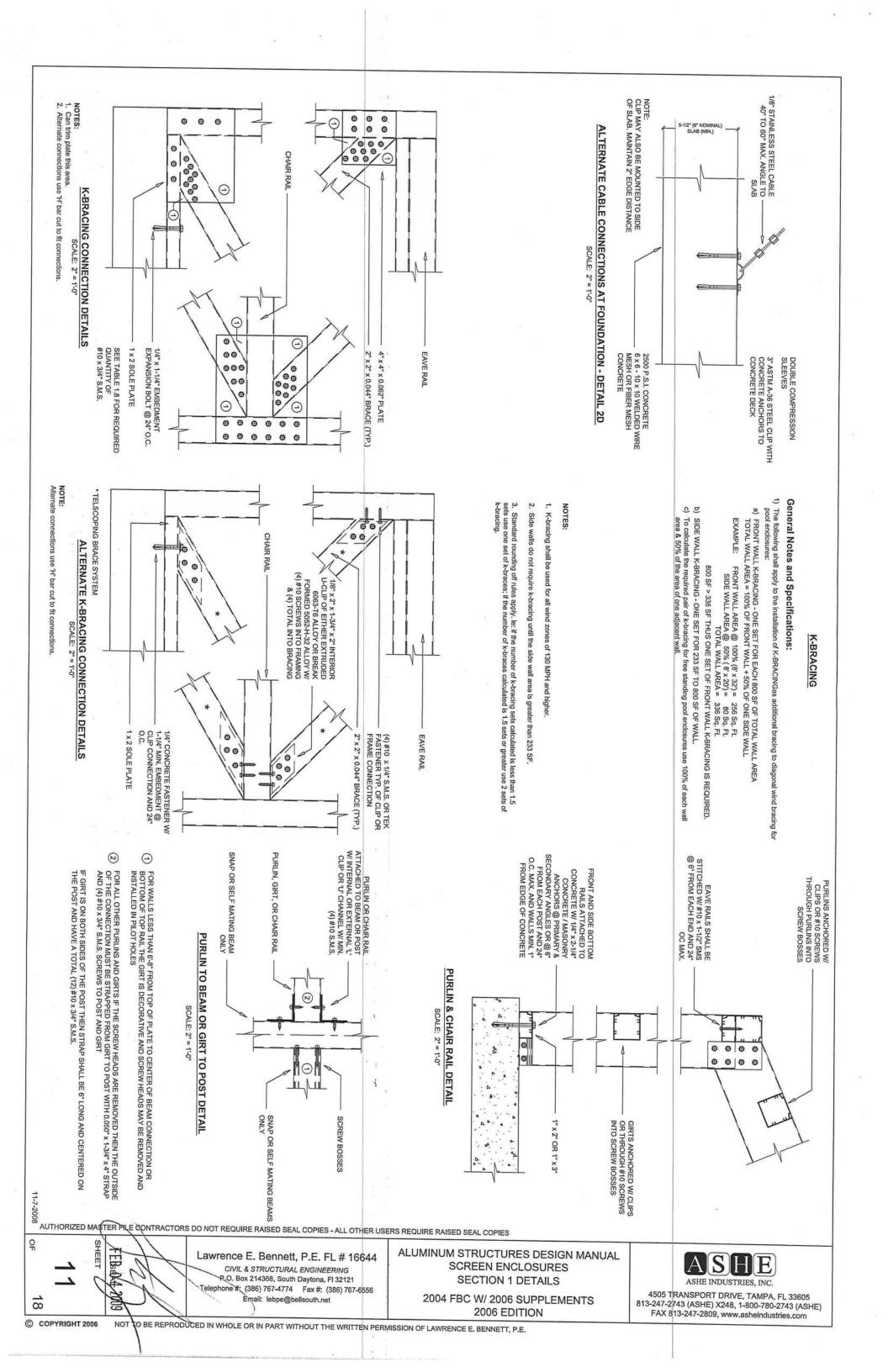


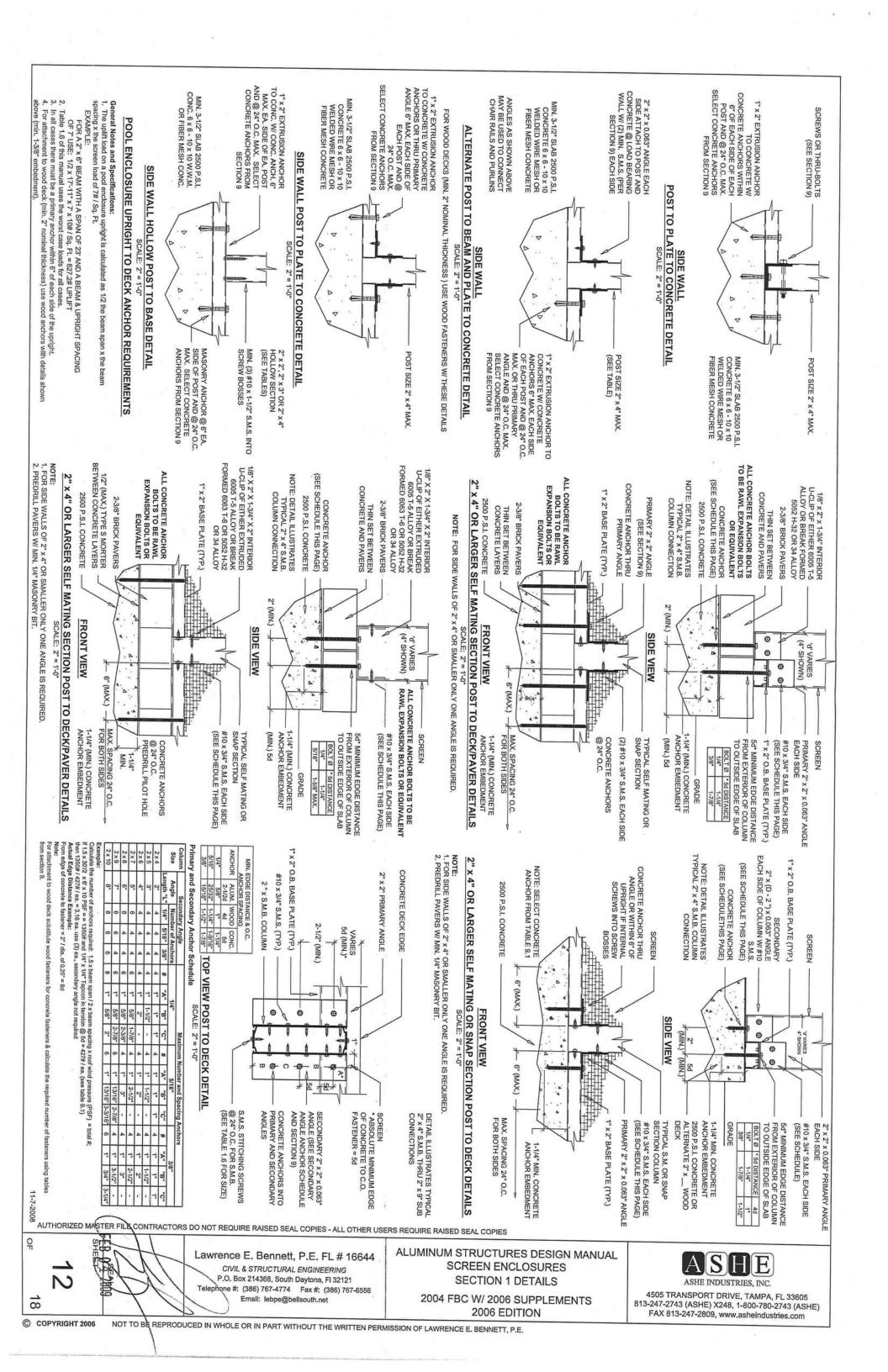


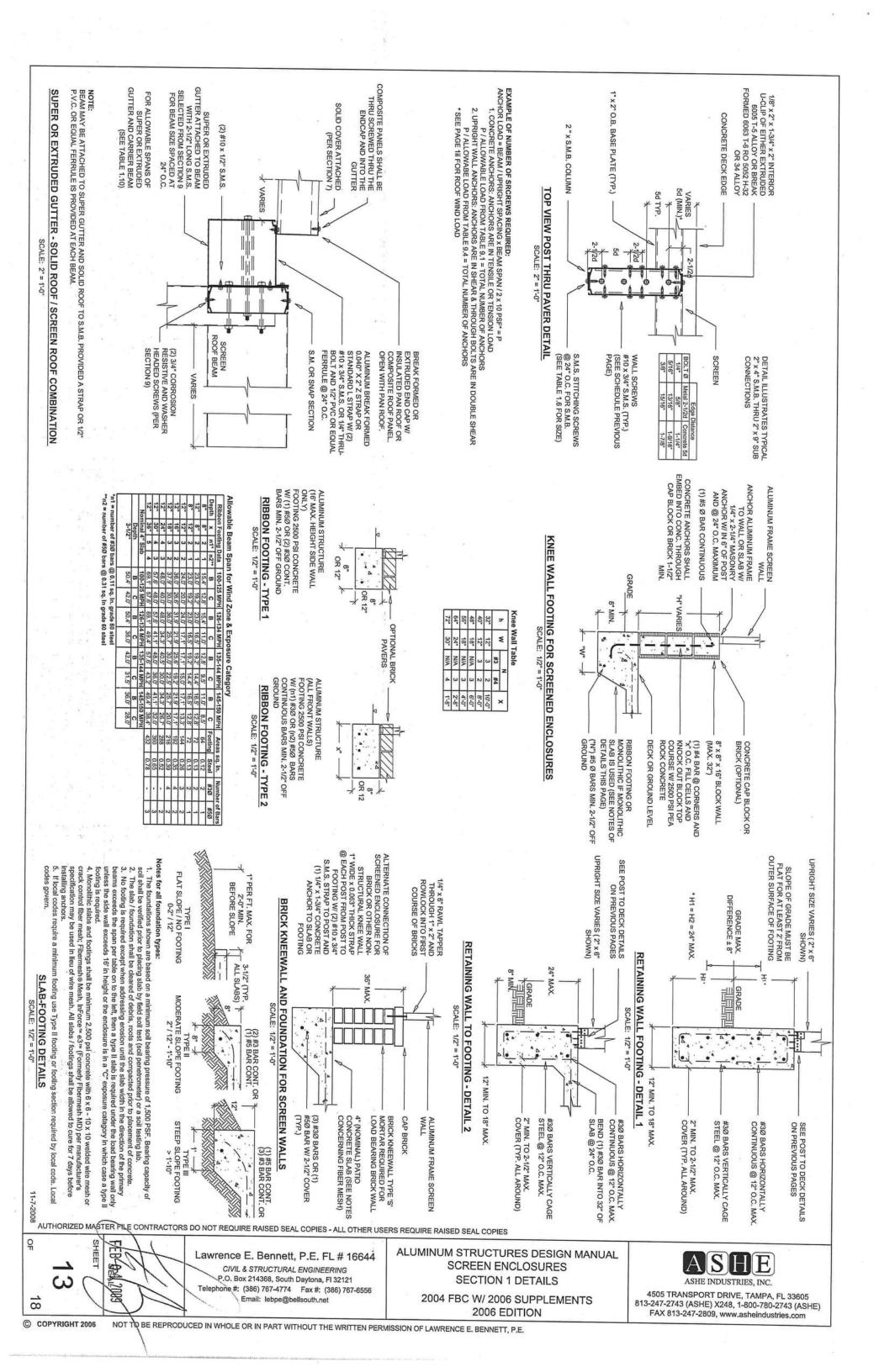












SPLICE POINT NOTES: 6. If door location is adjacent to upright a 1" \times 2" \times 0.044" may be fastened to upright with #12 \times 1" S.M.S. at 12" on center and within 3" from end of upright. 5. Top hinge to be mounted between 10 inches and 20 inches from top of door. 1. Door to be attached to structure with minimum two (2) hinges. 4. Bottom hinge to be mounted between 10 inches and 20 inches from ground. Each hinge to be attached to door with minimum three (3) #12 x 3/4" S.M.S.. 2. Each hinge to be attached to structure with minimum four (4) #12 x 3/4" S.M.S., 2 x 2 EXTRUSION SPLICE POINT SPLICE POINT TYPICAL SCREEN DOOR CONNECTION DETAIL SCALE: N.T.S. SPLICE POINTS FOR FLAT OR DOME ROOF SCALE: N.T.S. SPLICE POINTS FOR FLAT OR DOME ROOF SCALE: N.T.S. SPLICE POINTS FOR GABLE ROOF
SCALE: N.T.S. HINGE LOCATION 2 x 2 EXTRUSION HINGE LOCATION DOOR HINGE LOCATION SPLICE POINT
- OR SUPER
GUTTER SPLICE AT RIGHT ANGLE TO BEAM

AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER USERS REQUIRE RAISED SEAL COPIES ∞

Lawrence E. Bennett, P.E. FL # 16644 CIVIL & STRUCTURAL ENGINEERING P.O. Box 214368, South Daytona, FI 32121 e #: (386) 767-4774 Fax #: (386) 767-6556

Email: lebpe@bellsouth.net

ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES **SECTION 1 DETAILS**

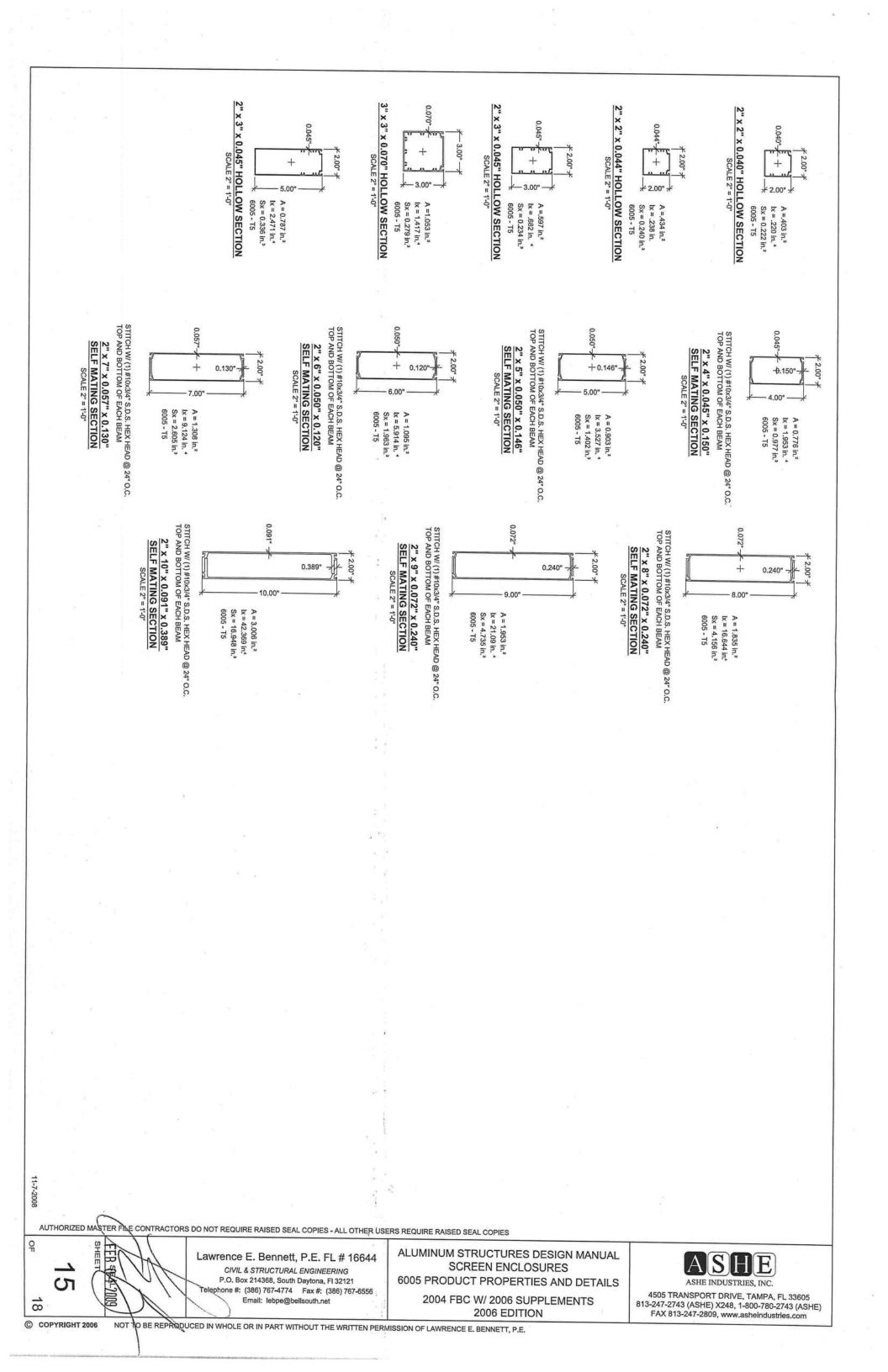
2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION



4505 TRANSPORT DRIVE, TAMPA, FL 33605 813-247-2743 (ASHE) X248, 1-800-780-2743 (ASHE) FAX 813-247-2809, www.asheindustries.com

NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF LAWRENCE E. BENNETT, P.E.

© COPYRIGHT 2006



 Span is measured from center of beam and upright connection to fascia or wall connection.
 Tables are based on a maximum wall height of 16' including a 4' max. mansard or gable. Other conditions may will enclosure site specific engineering.
 Spans may be interpolated.
 Syans may be interpolated.
 2' x 4' 8 2' x 5' Hollow Gifts shall be connected will 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. Table 1.2 120

ASHE Industries, Inc.

Allowable Spans for Secondary Screen Roof Frame Members

Aluminum Alloy 5005 T-5

For Wind Zones up to 120 M-H., Exposure "2" and Latitudes Below 30"-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 Cibes

Tributary I and Wirith W "= Purilin Spacing 1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".

1. The structures designed using this section shall be limited to a maximum combined span and upright height of 50° and a maximum pright height of 50° for the section shall be limited to a maximum combined span and upright height of 50° and a maximum pright height of 50° for section spans of the spans for the Table 1.1 120

ASHE Industries, Inc.
8005 ASHE

Allowable Spans for Primary Screen Roof Frame Members
Aluminum Alloy 6005 T-5
For Wind Zones up to 120 M.P.H., Exposure "9" and Latitudes Below 30"-30"-00" North (Jacksonv)
Uniform Load = 4 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered Self Mating Sections **Hollow Sections** ollow Sections Self Mating Sections **Hollow Sections** Tibutary Load Width W = Upright Spacing

3-0" | 4-0" | 5-0" | 6-0" | 9-0"

Allowable Height + H" | bending (b), deflection (d)

0" | 14-7" | d | 13-3" | d | 12-4" | d | 11-4" | b | 10-5" | b | 9-1" | b |

10" | 14-7" | d | 13-3" | d | 12-4" | d | 11-4" | b | 10-5" | b | 9-1" | b |

10" | 14-7" | d | 13-4" | d | 11-4" | b | 10-5" | b | 11-4" | b | 10-1" | b |

10" | 20-8" | d | 19-10" | d | 17-5" | d | 18-5" | d | 19-2" | b | 13-3" | b |

10" | 23-11" | d | 21-9" | d | 20-2" | d | 23-2" | d | 22-2" | b | 14-4" | b | 19-4" | b |

10" | 23-10" | d | 23-5" | d | 23-5" | d | 23-2" | d | 22-4" | b | 21-4" | b |

10" | 31-9" | d | 23-5" | d | 23-5" | d | 23-1" | b |

10" | 31-9" | d | 23-5" | d | 23-5" | d | 23-1" | b |

10" | 31-9" | d | 23-3" | d | 33-5" | d | 31-8" | d | 30-1" | d | 28-9" | d | 27-8" | d | are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040". Tributary Load Width W = Purlin Spacing

3.6" 4-0" 6-9" 6-9" 6-9" 6-9"

Allowable Span 'L / Point Load /P or Uniform Load (J), bending (b), deflection (d) 6-3" Pb 6-9" Pb 12-10" Tribulary Load Width W = Beam Spacing

4-0"

Allowable Span Y / Point Load Of Profile (Inc.)

Allowable Span Y / Point Space (P) or Uniform Load (U), bending (b), deflection (d)

17-1" Pd 17-1" Pd 17-1" Pd 17-1" Pd 18-5" Ud 18-9" Ud

22-3" Pd 22-3" Pd 27-1" Ud 27-5" Ud 29-5" Ud 18-9" Ud 18-9" Ud

22-10" Pd 28-10" Pd 27-1" Ud 28-5" Ud 27-3" Ud 28-3" Ud Indition Alloy outs 1-5

Fributary Load Width 'W' = Upright Sparing

3-0" | 4-0" | 5-0" | 6-0" | 9-0" | 9-0"

Allowable Height "H' / bending (b), deflection (d) | 4-7" | b | 4-7" | b |

1-11 | 6 | 6-3 | d | 5-10" | d | 5-8" | d | 5-2" | b | 4-10" | b |

1-12 | 6 | 6-3 | d | 5-10" | d | 5-8" | d | 5-2" | b | 4-9" | b |

1-14 | 6 | 6-3 | d | 5-10" | d | 5-8" | d | 5-2" | b | 6-11" | b |

1-15 | 6 | 6-11" | d | 6-11" | d | 9-11" | b | 9-11" | b |

1-16 | 6 | 11-8" | d | 10-4" | d | 9-4" | b |

1-17 | 6 | 10-5" | d | 10-2" | d | 9-4" | b |

1-18 | 6 | 10-10" | d | 10-2" | d | 9-4" | b |

1-19 | 6 | 11-8" | d | 10-4" | b |

1-10 | 6 | 11-8" | d | 10-4" | b |

1-10 | 7-11" | b | 11-10" | b | 10-2" | b |

1-10 | 7-11" | b | 11-10" | b |

1-10 | 7-11" | b | 10-2" | b |

1-10 | 7-11" des Below 30°-30'-00" North (Jacksonville, E Single Self-Mating
Beams
2" x 6" x 0.056" x 0.120"
2" x 7" x 0.057" x 0.130"
2" x 8" x 0.072" x 0.240"
2" x 9" x 0.072" x 0.240"
2" x 10" x 0.091" x 0.389" (2) 2" x 8" x 0.072" x 0.120" Table 1.5 120

ASHE Industries, Inc.
6005 ASHE
Allowable Spans for Miscellaneous Framing Beams as Supporting Screen Roof Frame Members
(110 & 120 MPH)
Aluminum Alloy 6005 T-5
for Areas with Wind Loads up to 110 & 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 Using screen panel width 'W' select girt lengths.
 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.
 Chair rails of 2" x" x" 0.04" min, and set [@ 36" in height are designed to be residential gardralis provided they are attached with min. (3) #10 x" -1/2" x.ms. Into the screw bosses and do not exceed 6"-0" o.c.
 Gift spacing shall not exceed 6"-8".
 Max. beam size for 2" x" of 15" x" x" x.0.055" x.0.120"
 2" x" 4" 8" 2" x" of bollow girts shall be connected w/ an internal or external 1-1/2" x 1-1/2" x 0.044" angle.
 Spans/heights may be interpolated.
 To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ti. 2" x 2" x 0.040" 2" x 2" x 0.044" 2" x 3" x 0.045" 2" x 4" x 0.050" 3" x 3" x 0.070" 3" x 5" x 0.050" 2" x 8" x 0.072" x 0.240" 2" x 7" x 0.057" x 0.130" Spans may be interpolated.

To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1. 2" x 5" x 0.050" x 0.146" 2" x 4" x 0.045" x 0.150" bile 1.14a 120

ASHE Industries, Inc.

Allowable Spans for 5" Super Gutter and Self Mating Beam
Screened Enclosure One Side/Solid Roof Other Side
Aluminum Alloy 6005 T-5
Areas in Wind Zones of 120 M.P.H., Exposure "B" or Less and Latitudes Below 30*-30'-00" North
from Load on Screen = 4 #/SF, Solid Roof = 27.4 #/SF It is recommended that the engineer be consulted on any carrier beam that spans more than 50'.

Span is measured from center of 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 Thicknesses shown are "nominal" Industry standard tolerances. Table 1.4 120 6005 ASHE For 3 second wind gust at a A. Sections As Horizonta Double Self-Mating Beams Single Self-Mating Beams **Hollow Sections Hollow Sections** | 3-6" | 4-0" | 6-2" | 6-3" | 6-3" | 6-3" | 6-3" |
Allowable Height "H" or Span "L"	bending (), deflection (d)														
6-7"	d	6-3"	d	6-3"	d	6-3"	d	5-6"	d	5-6"					
6-3"	d	6-3"	d	6-3"	d	6-3"	d	5-6"	d	5-6"	d	5-6"			
6-3"	d	6-3"	d	6-2"	d	6-1"	d	6-3"	d	6-3"	d	5-6"	d	5-6"	d
6-3"	d	6-3"	d	6-2"	d	6-1"	d	6-3"	d	7-1"	d	7-7"	b		
12-2"	d	11-3"	d	11-2"	d	10-3"	d	10-2"	d	10-2"	d				
14-3"	d	14-1"	d	13-4"	d	12-1"	b	12-4"	b	11-2"	d	11-3"	d		
14-4"	d	14-1"	d	12-1"	b	12-4"	b	11-2"	d	11-1"	b				
14-4"	d	4-6"	5-9"	5-6"	5-6"	5-6"	6-8"								
Allowable Height "H" or Span "L"	bending (b), deflection (d)														
7-4"	b	6-10"	b	6-3"	b	6-4"	b	6-1"	b	5-6"	b	6-4"	b	6-4"	b

10'-0" 12'-0" 14'-0" 18'-0" 18'-0" 22'-0"

Allowable Span 'L' Point Load (P) or Uniform Load (U), bending (b) or deflection (d) 14'-5" Ub 13'-1" Ub 13'-1" Ub 13'-1" Ub 14'-2" Ub 13'-10" Ub 14'-7" Ub 13'-1" Ub 15'-1" Ub 15'-7" Ub 15'-3" Ub 17'-6" Ub 17'-2" Ub 18'-3" Ub 18'-3" Ub 17'-11" Ub 18'-3" Ub 18'-3" Ub 18'-3" Ub 18'-3" Ub 18'-3" Ub 18'-4" Ub 13'-1" Ub 18'-3" Ub 18'-ASHE Industries, Inc.
Allowable Post / Girt / Chair Rail Spans, Header Spans &
Upright Heights for Secondary Screen Wall Frame Members
Aluminum Alloy 8005 T.5
velocity of 120 MPH, Exposure "B" or an applied load of 15 # / sq. ft. 41'-7" 38'-3" 10'-0" 14'-0" 18'-0" 13" U 34-2" U 31-5" U 29-5" U 27-10" U 1-7" U 37-2" U 31-2" U 31-11" U 30-3" U 30-3" U 37-11" U 40-2" U 47-11" U 47-11" U 40-2" U 47-11" U 47-1 27:-2" 13'-7" 7" U 12'-5" U 11'-8" U 10'-10" U
2" U 14'-11" U 13'-11" U 12'-11" U
3" U 17'-5" U 18'-5" U 15'-8" U
3" U 20'-5" U 19'-1" U 18'-1" U
22' U 24'-11" U 23'-4" U 22'-1" U
4" U 27'-1" U 25'-4" U 23'-11" U
4" U 34'-1" U 31'-11" U 30'-2" U re "B" or an applied load of 15 # / sq. ft. No wall thickness shall be less than 0.040". 26'-6" 25'-5" U 25'-6" U 27'-8" U 34'-9" U 1-2" 38-0" 42-0" 4 24'-6" acacac 23'-9" 25'-9" 24'-11" 31'-5" 23'-0" 17:-7" 13'-7" 11'-10" 24'-11" 46'-0" 50'-0" 54'-0" , deflection (d) 19'-0" 8'-2" 9.-9. 0 7-10' U 7-8' U 8-11' U 8-11' U 10-11' U 10-3' 24'-4" ASHE Industries, Inc.
Allowable Spans for 7" Super Gutter and Self Mating Beam Screened Enclosure One Side/Solid Roof Other Side Aluminum Alloy 6005 T-5
for Areas in Wind Zones of 120 M.P.H., Exposure "B" or Less and Latitudes Below 30*-30*-00" North Uniform Load on Screen = 4 #/SF, Solid Roof = 27.4 #/SF
300# Point Load is Considered over (1) LF of Paare 50'-0" 54'-0" For a pool inclosure with 30' max, beam span, in a 123 MPH wind: rafter / truss the max overhand from the wall of the host structure to To convert from exposure 'B' spans to 'C' or 'D' exposure spans: page 1ii. For overhangs with spans that exceed those listed above site specific to.
 If thus bottom cord extends more than 24" over the well site specific et.
 3. To convert from exposure "B" spans to "C" or "D" exposure spans see on page fil.
 Example:
 um Overhang for Rafter / Truss Tails connected to Screen Roof

AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER USERS REQUIRE RAISED SEAL COPIES

유 SHEET 00

Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
 Using screen panel width "W select upright length 'Hr.
 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.
 Peight is to be measured from center of beam and upright connection to flascia or wall connection.
 Chair rails of "2" x 2" x 0.044" min, and set @ 35" in height are designed to be residential guardralls provided they are attached with min, (3) #10 x 1-172" S.M.S., into the screw bosses and do not exceed 8"0" in span.
 Max. beam size for "2" x 5" s 2" x 7" x 0.055" x 0.120"
 Spans may be interpolated.
 Spans may be interpolated.
 To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii.

1. If the solid panel is greater or less than 10-0°, then the 1/2 the allowable screen roof beam span shall be adjusted by the factor of 4-2 x 1/2 (the solid roof panel span difference between the actual and 10°-0°). The adjustment to the allowable screen roof panel width is applied as a plus if the solid roof panel is larger than 10°-0° and minus if the solid roof panel is smaller than 10°-0° applied as a plus if the solid roof panel is larger than 10°-0° and minus if the solid roof panel is smaller than 10°-0° appan of 11°-0° beam; use screen panel width "N" from drawing.

2. For span of 11°-0° beam; use screen panel width "N" from drawing.

3. Load span = 1/2 of screen beam length + 1/2 of solid roof span.

4. Spans may be this polated.

5. For minimum beam to juright sizes use Table 2.3

6. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1.

Notes:

1. If the solid panel is greater or less than 10°-0°, then the 1/2 the allowable factor of 4-2 x 1/2 (the solid roof panel span difference between the actual stroof panel width is applied as a plus if the solid roof panel is larger than 10°-0 10°-0°.

2. For span of "1" of beam; use screen panel width "W" from drawing.

3. Load span = 1/2 of screen beam length + 1/2 of solid roof span .

4. Spans may be interpolated.

5. For minimum beam to uptight sizes use Table 2.3

6. To convert spans to "C" and "D" exposure categories see exposure multip

owable screen roof t actual and 10'-0"). T

n span shall be adjusted by the adjustment to the allowable scre solid roof panel is smaller than

Lawrence E. Bennett, P.E. FL # 16644 CIVIL & STRUCTURAL ENGINEERING P.O. Box 214368, South Daytona, FI 32121

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

Email: lebpe@bellsouth.net

ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES 120 MPH ROOF & WALL MEMBER SPANS

Sub-

" exposure. For 2 x 6 >-fascia is 3'-4". ipliers and example on

2×12

2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION



2×12

2x8

4505 TRANSPORT DRIVE, TAMPA, FL 33605 813-247-2743 (ASHE) X248, 1-800-780-2743 (ASHE) FAX 813-247-2809, www.asheindustries.com

shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0,040", ses Uniformed using this section shall be limited to a maximum combined span and upright height of 50' and a maximum of 16'. Structures larger than these limits shall have site specific engineering.

31 for not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the

ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES FRAME MEMBER SPANS - SUBJECT TO SNOW

2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION

4505 TRANSPORT DRIVE, TAMPA, FL 33605 813-247-2743 (ASHE) X248, 1-800-780-2743 (ASHE) FAX 813-247-2809, www.asheindustries.com

we spans for total beam spans.

Tables are based on a maximum wall height of 16' including a 4" max. mansard or gable. Other conditions may offer better spans w/ Tables are based on a maximum wall height of 16' including a 4" max. mansard or gable. Other conditions may offer better spans w/ Eclosure site specific engineering.

Spans may be interpolated.

To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-il.

ample: Max. "L" for 2" x 4" x 0.050" hollow section with "W" = 5".0" = 8".3" ible 1.9.1 ASHE industries, inc.

Allowable Spans for Primary Screen Roof Frame Members

Alloman Alloy 8005 T-5

Aluminum Alloy 8005 T-5

Areas in Wind Zones up to 130 M.F.H., Exposure 'B' and Lafitudes North 30°-30°-00' North (Jacksonville, FL)

Inform Load = 15 #/SF, a Point Load of 300 #/SF over (1) linear It, is also considered. messes shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
structures Unformed using this section shall be limited to a maximum combined span and upright height of 50' and a maximum height of 16'. Structures larger than these limits shall have site specific engineering,
is measured from center of beam and upright connection to fascia or wall connection.
we spans to not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the "B" and Latitudes North 30"-30"-00" North (Jacksonville, FL) over (1) linear ft. is also considered

AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER USERS REQUIRE RAISED SEAL COPIES

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

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

TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF LAWRENCE E. BENNETT, P.E.

18

© COPYRIGHT 2006

| Table 1.6 | Minimum Unright Stocks and Number of Servews for Connection of Roof Beams Taylor (Minimum Number of Servews) for Connection of Roof Beams Taylor (Minimum Number of Servews) | Beams Stocking of Pearl (Minimum Number of Servews) | Beams Stocking of Pearl (Minimum Number of Servews) | Beams Stocking of Pearl (Minimum Number of Servews) | Beams Stocking of Pearl (Minimum Number of Servews) | Beams Stocking of Pearl (Minimum Number of Servews) | Beams Stocking of Pearl (Minimum Number of Servews) | Beams Stocking (Minimum Number of Serve of Serve

AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER USERS REQUIRE RAISED SEAL COPIES

TEB SELECT SHEET

NOTT

© COPYRIGHT 2006

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

CIVIL & STRUCTURAL ENGINEERING
P.O. Box 214368, South Daytona, FI 32121

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

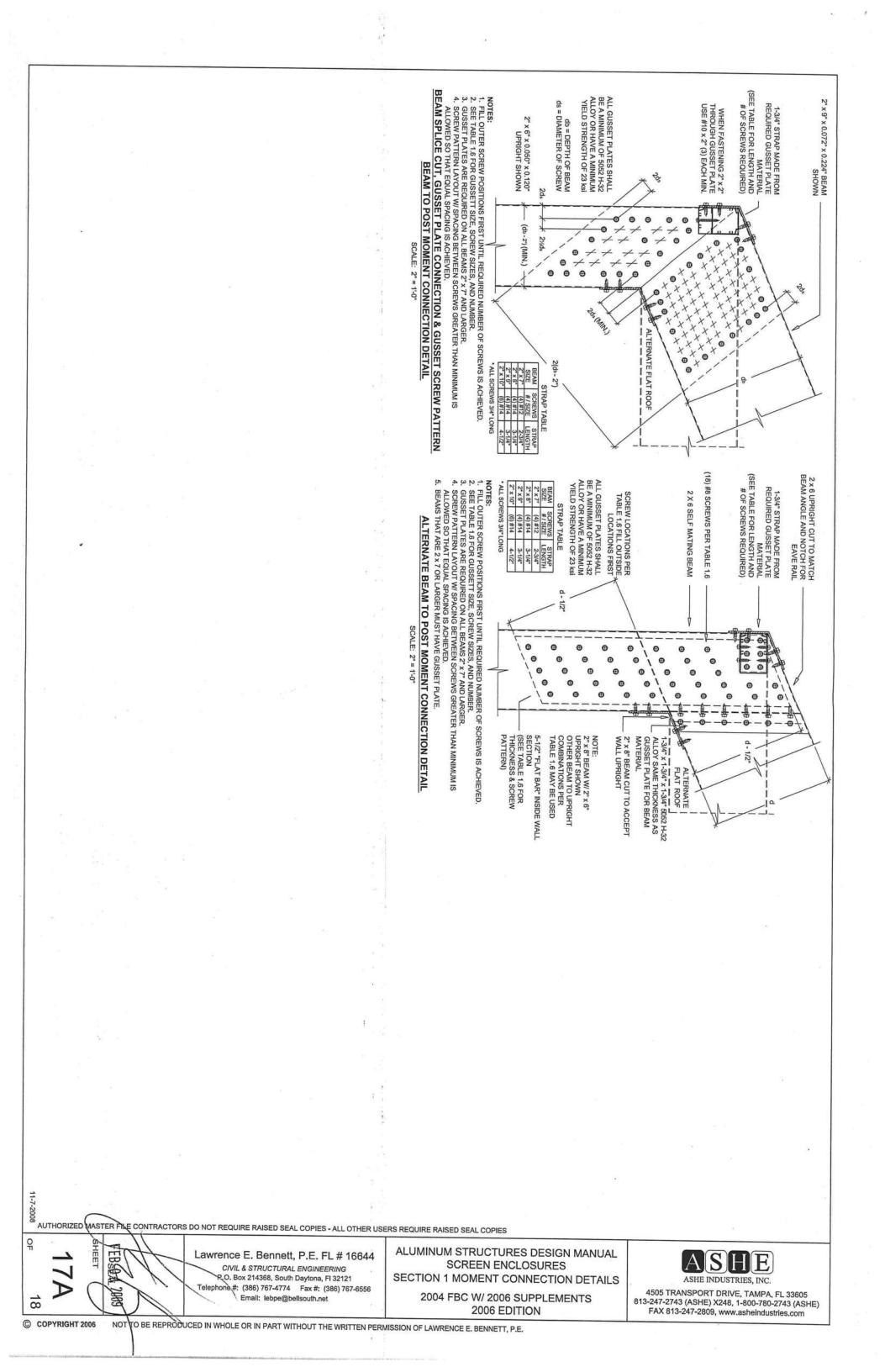
Email: lebpe@bellsouth.net

ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES SECTION 1 TABLES

> 2004 FBC W/ 2006 SUPPLEMENTS 2006 EDITION



4505 TRANSPORT DRIVE, TAMPA, FL 33605 813-247-2743 (ASHE) X248, 1-800-780-2743 (ASHE) FAX 813-247-2809, www.asheindustries.com



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 5. Structures is staget than these limits shall have site specific engineering.

3. Span is measured from center of beam and upright connection to fascia or wall connection.

4. 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-ti. Table 1.1M 120 6005 ASHE Table 1.3M 120 ASHE Industries, Inc.
6005 ASHE
Moment Connection
Allowable Post / Upright Heights for Primary Screen Wall Frame Members
Allowable Post / Upright Heights for Primary Screen Wall Frame Members
Allominum Alloy 6005 T-5
For 3 second wind gust at a velocity of 120 MPH, Exposure "B" or an applied load of 15 #sq. ft. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0,040". Using screen panel width W select pright length 'H'.

Above spans do not include length of knee brace. Add vertical distance from upright to center of brace to beam needlon to the above spans for total beam spans.

In the spans is to be measured from center of beam and upright connection to fascia or wall connection.

Span is to be measured from center of beam and upright connection to fascia or wall connection.

Chair rails of 2" x 2" x 0.044" min. and set @ 35" in height are designed to be residential guardraits provided they are tached with min. (3) #10 x 1-1/2" S.M.S., into the screw bosses and do not exceed 8-0" in span.

Maximum beam size for 2" x 5" is a 2" x 7" x 0.055" x 0.120"

Spans nav be intervaled. **Hollow Sections** ASHE Industries, Inc.
Moment Connection
Allowable Spans for Primary Screen Roof Frame Members
Allomable 5005 T-5 Tributary Load Width 'W' = Upright Spacing 8:-0" 8:-0" 9:-0" #8 #10 #12 #14 or 1/4" 5/16" 3/8" Table 1.9.1M ASHE Industries, Inc.

ASHE 6005 Moment Connection
Allowable Spans for Primary Screen Roof Frame Members
Aluminum Alloy 6005 T-5
For areas with wind loads up to 130 M.P.H., Exposure "B" and latitudes above 30*-30*-00* North (Jacksonville, Florida) that are subject to be and snow 7. All beam to upright connections for 2* x 7* beams or larger shall have an internal gusset plate except when a knee brace is used at the connection. Gusset plates are required for mansard, gabled and all spliced connections.
8. For gusset plate connections 2* x 9* beams or larger use 3/4* long screws.
9. The side well upropht shall have a minimum beam size as shown above, ie., a 2* x 4* upright shall have a 2* x 3* beam.
10. For minimum girt size read upright size as a beam and purifit size is minimum girt size. (i.e. 2* x 9* x 0.072* x 0.224* s.m.b. w/ 2* x 6* x 0.050 x 0.120* s.m.b. upright requires a 2* x 3* x 0.045* girt / chair rail.) * Refers to each side of the connection of the beam and upright and each side of splice connection.

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 & "" x 5" beam & 2" x 5" at beam & 2" at beam Connection of 2" x 6" to 2" x 3" shall use a full lap out or 1/16" gusset plate.

Connection of 2" x 6" to 2" x 3" shall use a full lap out or 1/16" gusset plate.

For beam spilice connections the number of screws shown is the total for each spilice with 1/2 the screws on each side of the cut.

The number of screws is based on on the maximum allowable moment of the beam.

The number of deck anchors is based on RAWL R Tapper allowable load data for 2,500 psi concrete and / or equal anchors may a used. The number of beach spilice beach spilice with 1/2 the screws on each side of the same provided the connection is approved by the engineer.

Hollow spilice connections can be made provided the connection is approved by the engineer. 2 x 9 SMB ** 2 x 8 SMB .082" wall thickness, 0.310" flange thickness Screw Size 2 x 10 SMB 2 x 5 SMB 2 x 8 SMB 2" x 5" x 0.050" Moment Connection
Minimum Upright Sizes and Number of Screws for
Connection of Roof Beams To Wall Uprights or Beam Splicing 2x5 H OR SMB 2 x 3 H 2×3H 2 x 4 H 2" x 3" x 0.045" 2" x 3" x 0.044" 2" x 4" x 0.050" 2" x 2" x 0.044" 2" x 2" x 0.044"

20 20 18 16 14 6 10

8

#14

#14 #14 #12

16 74 12

> 10 12

> > #10

#10 #8

#8

18

| Tributary Load Width W = Beam Sacing | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0" | 9-0

tolerances. No wall thickness shall be less than 0.040°. miled to a maximum combined span and upright height of 50° and a maximum shall have site specific engineering. 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.
 Tabbes 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.
 To convert spans to 'C' and 'D' exposure categories see exposure multipliers and example on page 1-II.
 To convert spans to 'C' and 'D' exposure categories see exposure multipliers and example on page 1-II.

ALUMINUM STRUCTURES DESIGN MANUAL SCREEN ENCLOSURES 120 MPH MOMENT CONNECTION TABLES

Table 1.6M

Beam Stitching Screw at 24" OC

4505 TRANSPORT DRIVE, TAMPA, FL 33605 813-247-2743 (ASHE) X248, 1-800-780-2743 (ASHE) FAX 813-247-2809, www.asheindustries.com

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

2004 FBC W/ 2006 SUPPLEMENTS

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

AUTHORIZED MASTER FILE CONTRACTORS DO NOT REQUIRE RAISED SEAL COPIES - ALL OTHER USERS REQUIRE RAISED SEAL COPIES

© COPYRIGHT 2006

NOT

O BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF LAWRENCE E. BENNETT, P.E.

2006 EDITION