C. Imbia Count	by Building Permit  Permit  O00029270
This Permit Must Be Prominently	Posted on Fremiscs During
PLICANT ROB SIMPSON	——————————————————————————————————————
DDRESS 4881 DISTRIBUTION CT.	ORLANDO ====================================
DDRESS	
GW CD 779	FT. WHITE
DDRESS	PHONE 407.277.1028
ONTRACTOR	T BEFORE STERLING TERR ON L.(CORNER
OCATION OF PROPERTY  441-S TO C-778,TR 303  OF STERLING & C-778.	
TOU OCUPE	ESTIMATED COST OF CONSTRUCTION 4001.65
TO TO	TAL AREA HEIGHT STORIES
HEATED FLOOR AREA	FLOOR
FOUNDATION WALLS	ROOF PITCH PLOCK
	MAX. HEIGHT
LAND USE & ZOTATO	30.00 REAR 25.00 SIDE 25.00
Minimum Set Back Requirments: STREET-FRONT	DEVELOPMENT PERMIT NO.
NO. EX.D.U. 1 FLOOD ZONE X	
SU SU	BDIVISION SUMMER ACRES
PARCEL ID 16-7S-17-10006-102 SC	UNIT TOTAL ACRES 10.54
LOT 2 BLOCK PHASE	
Driveway Connection Septic Tank Number  COMMENTS: ACCESSORY USE. NOC O-N	LU & Zoning checked by Approved for Issuance New Resident    E   E   Clark # or Cash   2178
	Check # of Cash
TOO DUIL DING	G & ZONING DEPARTMENT ONLY (footer/Slab)
FOR BUILDING	Monolithic date/app. by
	date/app. by
date/app. by	Slab Sheathing/Nailingdate/app. by
Under slab rough-in plumbing date/app. by	date/app. by
date app.	
Framing Insulation date/app. by	date/app. by  Electrical rough-in
PERFORMANCE TO STATE OF THE STA	date/app. by
Rough-in plumbing above slab and below wood floor	date/app. by
ar . e. Air Duct	Peri. beam (Lintel) Pool date/app. by date/app. by
Heat & Air Duct date/app. by	O. Final date/app. by
Permanent power C.C	date/app. by
date/app. by	M/H tie downs, blocking, electricity and plumbing date/app. by
Pump pole Utility Pole date/app. by	. by Re-roofby
Paramaction	date/app. by
date/app. by	SURCHARGE FEE \$ 0.00
BUILDING PERMIT FEE \$ 25.00 CE	RTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00 WASTE FEE \$
BUILDING LEGAL ZONING CER	RTIFICATION FEE \$ WASTE FEE \$ WASTE FEE \$ T. FEE \$
MISC. FEES 3	ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 75.00
THE OPMENT PEES	1/1
FLOOD DEVELOPMENT PEE \$ FLOOD	CLERKS OFFICE

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

"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 RESOURCE 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 APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION. BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

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

1970" 28547-

### **Columbia County Building Permit Application**

For Office Use Only Application # 1/03-03 Date Received 3-2-1/ By 4 Permit # 29276
Zoning Official Date 10 .03 11 Flood Zone Land Use 4-3 Zoning 4-3
FEMA Map # Elevation NA MFE NA River NA Plans Examiner 7. C. Date 3-9-11
Comments
NOC AEH Deed or PA Site Plan - State Road Info - Parent Parcel #
□ Dev Permit # □ In Floodway □ Letter of Auth. from Contractor □ F W Comp. letter
IMPACT FEES: EMS Fire Corr Road/Code School = TOTAL Accessory Structure
School = TOTAL Accessor Structure
Septic Permit No. NA
Name Authorized Person Signing Permit Rob SIMP30N Phone 407. 277. 1028
Address 4881 DISTRIBUTION CT, ORLANDO, \$1 32822
Owners Name Barbara Sweeney Phone 352-318-1530
911 Address 918 SW County Rd 778 fortwhite fl 32038
Contractors Name Custom Screens - David David Phone 4072771028
Address 4881 Distribution Ct. Orl. 38822
Fee Simple Owner Name & Address
Bonding Co. Name & Address
Architect Engineer Name & Address Davis & Cleaton 601 N. Drlando Aue
Mortgage Lenders Name & Address
Circle the correct power company - FL Power & Light - Clay Elec Suwannee Valley Elec Progress Energy
Property ID Number 16-75-17-1006-102 Estimated Cost of Construction 3200 -4001
Subdivision Name Summer Acres Lot 2 Block Unit Phase
Driving Directions 441 South, 50 778, just before, Sterling
Con the left (corner of sterding and 778)
Nymber of Existing Dwellings on Property
Construction of POOL ENCLOSURE (34 X 21 ) 700 Total Acreage 10.54 Lot Size
Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height
Actual Distance of Structure from Property Lines - Front Side Side Rear
Number of Stories Heated Floor Area Total Floor Area Roof Pitch
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. <a href="CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code">CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code</a> . Page 1 of 2 (Both Pages must be submitted together.) Revised 6-19-09

JW & Fore Wy Rob on 3.10.11

### Columbia County Building Permit Application

<u>TÎME LIMITATIONS OF APPLICATION</u>: 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.

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

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

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

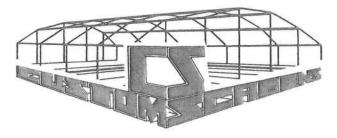
<u>WARNING TO OWNER:</u> YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY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

<u>NOTICE TO OWNER:</u> 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.

X Barbara J. Sweeney		
Owners Signature **OWNER BUILDERS MUS	ST PERSONALLY APPEAR	R AND SIGN THE BUILDING PERMIT. $\mathcal{N}$
CONTRACTORS AFFIDAVIT: By my signature I unders written statement to the owner of all the above writt this Building Permit including all application and pe	en responsibilities in C	ave informed and provided this olumbia County for obtaining
Contractor's Signature (Permitee)	Contractor's License Columbia County Competency Card No	e Number <u>SCC131150a4</u> 1
Affirmed under penalty of perjury to by the Contractor an	d subscribed before me tl	his 13 day of Dec. 20 10.
Personally known or Produced Identification  Or Produced Identification  State of Florida Notary Signature (For the Contractor)	SEAL:	Notary Public State of Florida Lani Rae Minson My Commission EE028160 Expires 10/12/2014

(Owners Must Sign All Applications Before Permit Issuance.)



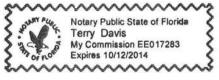
4881 Distribution Court e Orlando, Florida 32822

(407) 277-1028 · FAX (407) 277-1674

Columbi	a	County.	Florida
ld	13	J,	2010

I, David Davis, give power of attorney to  Rob Simpson for the purpose of
Rob Simpson for the purpose of Obtaining a building permit to construct a pool enclosure on Lot 2 in Summer Acres subdivision. Address: 918 SW CR 778
Address: 918 SW CR 778
J grade
The foregoing instrument was acknowledged before me this day of Dec. 2010 by David Davis

Jung



### Davis & Cleaton Engineering, Inc.

601 North Orlando Avenue Suite #112 Maitland, FL 32751 (407)539-2353 FAX (407)539-2334 103 West Wisconsin Avenue Suite #104 DeLand, FL 32720 (386)738-7475 FAX (386)738-7781

Coge

September 17, 2010

To Whom It May Concern:

This letter is to serve as authorization for the following contractor to use my sealed engineering set of design criteria and details for the design of aluminum structures.

Custom Screens 4881 Distribution Ct. Orlando, FL 32822 Phone: 407-277-1028 Fax: 407-277-1674

Contractor Name: David Davis

License Number: SCC131150241

Please note that I require only one signed and sealed letter per job and that I furnish the contractor with two complete sets of signed and sealed engineering. Please be advised that any additional signed and sealed copies are treated by me as separate jobs and therefore add cost to the contractor.

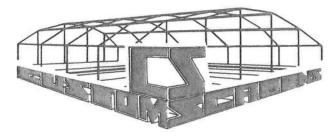
In accordance with Florida Statute 489.113(9), this sealed engineering set is intended to be used as a reference in conjunction with the contractor's own site-specific design drawing. The contractor's drawing is not required to be sealed by me as the engineer of record as per FS 489.113(9). It is only required to be in compliance with what is set forth in my sealed design set.

If there are any questions, please contact us.

Sincerely,

Frank A. Cleaton, Jr., P.E.

FL P.E. License # 35816



4881 Distribution Court e Orlando, Florida 32822

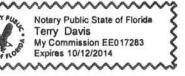
(407) 277-1028 • FAX (407) 277-1674

Columbia Co., Florida 3/23, 2011

I, David Davis, give power of attorney to	
606 Simpson for the purpose of	
Obtaining a building permit to construct a pool	enclosure on
	subdivision.
Address: 918 5W CR 778	
•	
1 901	

The foregoing instrument was acknowledged before me this ag day of March, 2011 by David Davis





### Columbia County Property **Appraiser**

DB Last Updated: 2/17/2011

Parcel: 16-7S-17-10006-102

<< Next Lower Parcel | Next Higher Parcel >>

Owner & Property Info

Owner's Name	SWEENEY KENNETH C & BARBARA J				
Mailing Address	16975 HWY 278 WILLISTON, SC 29853				
Site Address	918 SW COU	918 SW COUNTY ROAD 778			
Use Desc.	VACANT (000	0000)			
Tax District	3 (County) Neighborhood 16				
Land Area	10.540 Market Area 02				
Description		scription is not to be used as this parcel in any legal trans			

AKA LOT 2 SUMMER'S ACRES UNR: COMM NW COR, RUN S 80.15 FT TO S R/W CR-778, RUN E ALONG R/W 698.08 FT FOR POB, CONT E 587.02 FT, S 782.02 FT, W 587.02 FT, N 782.02 FT TO POB. ORB 983-2580 & WD 1197-2087

### 2010 Tax Year

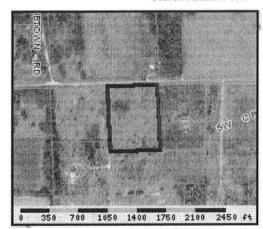
Tax Collector

Tax Estimator

Property Card

Parcel List Generator Interactive GIS Map

Search Result: 1 of 1



### **Property & Assessment Values**

2010 Certified Values		
Mkt Land Value	cnt: (0)	\$51,388.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$51,388.00
Just Value		\$51,388.00
Class Value		\$0.00
Assessed Value		\$51,388.00
Exempt Value		\$0.00
Total Taxable Value	01	Cnty: \$51,388 ther: \$51,388   Schl: \$51,388

2011 Working Values

NOTE:

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

**Show Working Values** 

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
7/13/2010	1197/2087	WD	٧	Q	01	\$130,000.00
5/21/2003	983/2580	WD	V	Q		\$48,000.00

### **Building Characteristics**

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

### Extra Features & Out Buildings

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

### Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
				T	

Inst. Number: 201112003159 Book: 1210 Page: 1723 Date: 3/2/2011 Time: 3:05:29 PM Page 1 of 1

NOTICE OF COMMENCEMENT
Tax Parcel Identification Number 16-75-17-10006-102. County Clerk's Office Stamp or Seal
THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.
1. Description of property (legal description): Let 2 Summer Acres  a) Street (job) Address: 918 5W Columbia Re 778 High Springs  2. General description of improvements:
3. Owner Information a) Name and address: b) Name and address of fee simple titleholder (if other than owner) c) Interest in property 4. Contractor Information a) Name and address: b) Telephone No.:  Custom Seveens 4881 Distribution Ct. b) Telephone No.:  7. Outando, FL 32822 Fax No. (Opt.)
a) Name and address: b) Amount of Bond: c) Telephone No.: list 201112003159 Date:3/2/2011 Time:3:05 PM 6. Lender DC,P DeWitt Gason,Columbia County Page 1 of 1 B.1210 P:1723 a) Name and address:
b) Phone No
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b).  Florida Statutes:  a) Name and address:  b) Telephone No.:  Fax No. (Opt.)
<ol> <li>Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):</li> </ol>
WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY: A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.  STATE OF FLORIDA COUNTY OF COLUMBIA  10.  Signature of Owner or Owner's Authorised Office/Director/Paymer/Manager
The foregoing instrument was acknowledged before me, a Florida Notary, this 33 d day of November, 20 10 by:
Kenneth Sweeney as Owner (type of authority, e.g. officer, trustee, attorney
fact) for Kenneth Charles Sweeney (name of party on behalf of whom instrument was executed).
Personally Known OR Produced Identification Type _DL #\$500 503 533 CHRISTINA WOOD NY COMMISSION # EE 008413 EXPIRES: July 13, 2014 Bonded Thru Notary Public Underwriters
1. Verification pursuant to Section 92.525. Florida Statutes. Under penalties of perjury. I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.
Signature of Natural Person Signing (in line #10 above.)

· Columbia County Building Permit Application Ck. 4-3358
For Office Use Only Application # 1010 - 15 Date Received 10/7/10 By LH Permit # 28947 /1852
Zoning Official BLK Date 19.10 10 Flood Zone X Land Use 1-3 Zoning 19.32
FEMA Map # N/A Elevation N/A MFE/ New River N/A Plans Examiner 7.C. Date 10-15-10
Comments
NOC GEH Deed or PA Site Plan Mistate Road Info Deent Parcel #
□ Dev Permit # □ In Floodway □ Letter of Auth. from Contractor □ F W Comp. letter
IMPACT FEES: EMSFireCorrRoad/Code
School_ = TOTAL_NA Suspended - DVF.
Septic Permit No. 10-438  Fax (386) 454-497 (24)
Name Authorized Person Signing Permit hara Sutton Phone (352) 318-9864
Address PO BOX 1198 Newberry, FL 32669
Owners Name Kenneth and Barbara Sweeney Phone 350) 316-3463
911 Address 918 SW CR 778 High Springs FL 32643
Contractors Name Sutten Family Homes and Manage Mone (35) 318-9864
Address 70 Box 1198 Newberry, FL 30669
Fee Simple Owner Name & Address Same as above
Bonding Co. Name & Address None
Architect/Engineer Name & Address Juris Luzins (352) 224-8673
Mortgage Lenders Name & Address_Nove_
Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progress Energy
Property ID Number 10-75-17-10000-102 Estimated Cost of Construction \$511,000
Subdivision Name Summer's Acres Lot 2 Block Unit Phase
Driving Directions_ 441 South, @ 778, Property is on the CEPT
2nd lot past sw Marynik Drive for Indlot Back from
Scrub town Rd
Number of Existing Dwellings on Property O
Construction of Single Family Develling. Total Acreage 105 Lot Size 10.5 A
Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height
Actual Distance of Structure from Property Lines - Front 350 Side 485 Side 235 Rear 470+
Number of Stories Heated Floor Area <u>3244</u> Total Floor Area <u>5152</u> Roof Pitch <u>7/12</u>
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. CODE: Florida Building Code 2007 with 2009 Supplements and he 2008 National Electrical Code. Page 1 of 2 (Both Pages must be submitted together.) Revised 6-19-09
1441.62 Juliff Musise for KARA 10.19.11

Ju lift Musise for KARA 10,19.11



# 

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection
This Certificate of Occupancy is issued to the below named permit holder for the building

and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 16-7S-17-10006-102

Building permit No. 000029270

Permit Holder DAVID DAVIS

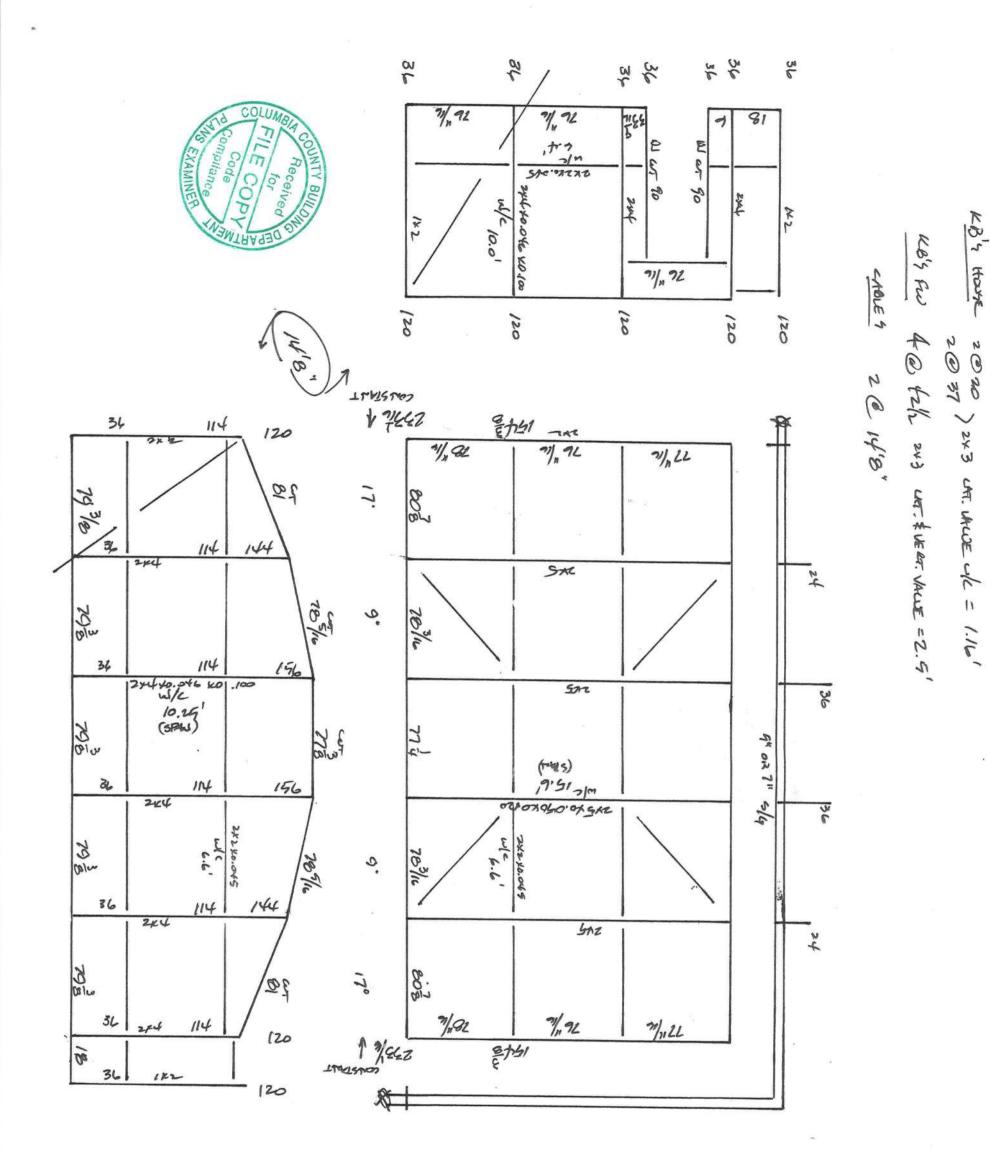
Owner of Building BARBARA SWEENEY

Location: 918 SW CR 778, FT WHITE, FL 32038

Date: 03/29/2011

**Building Inspector** 

**POST IN A CONSPICUOUS PLACE** (Business Places Only)

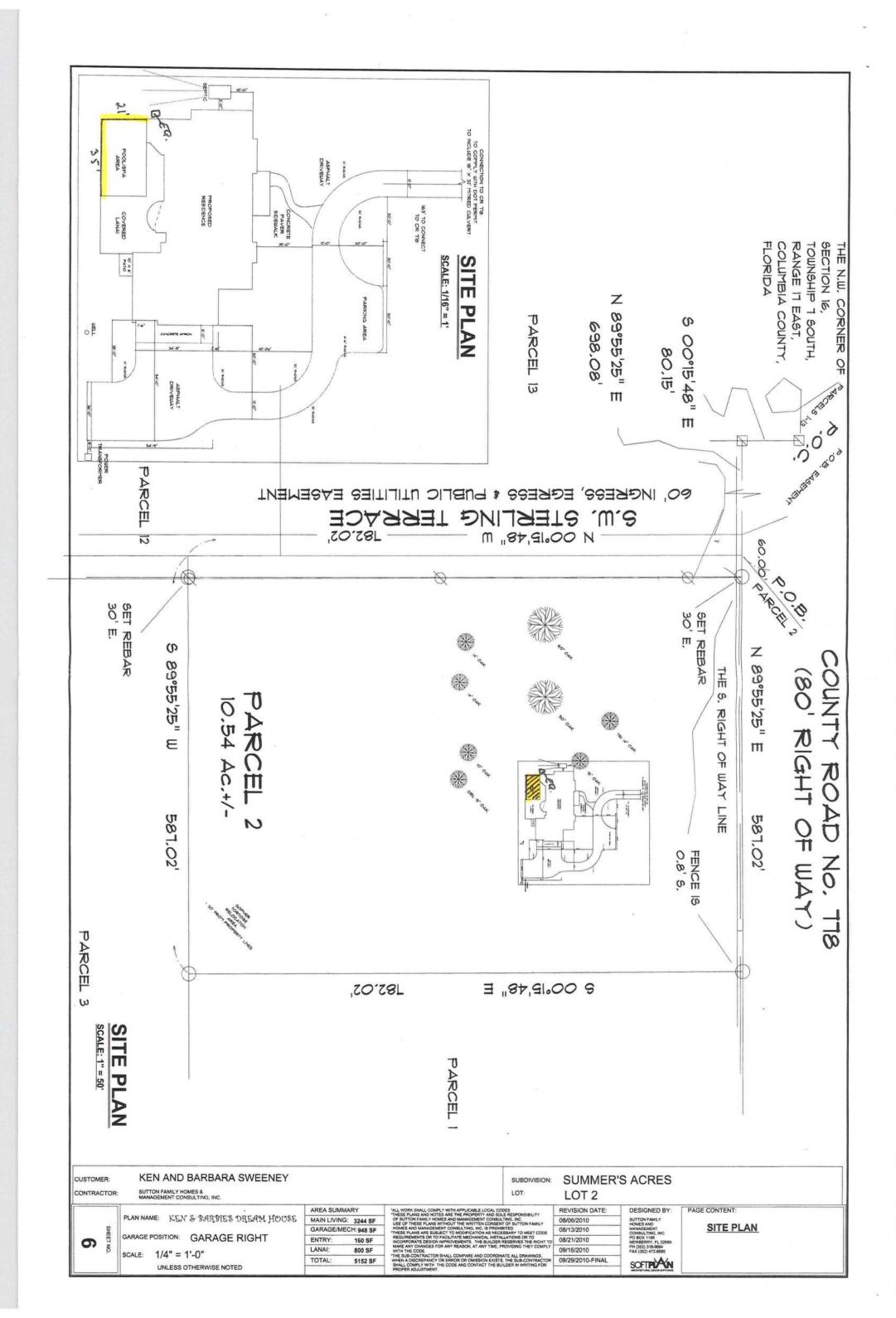


TWEENEY

9110 GH CR 778

HIGH SPRINGH

"SUMMER KCREY"



### General Notes & Design Statement

- 1) supplements. Wind loading requirements were met in accordance with 2007 FBC – Residential, Chapter 3, Section R301.2.1.1, with the 2009 (DESIGN PRESSURES FOR ALUMINUM SCREEN ENCLOSURES).
- Building Category = I (in accordance with 2007 FBC-Building Chapter 16 table 1604.5)
- Design Pressure for Exterior Components & Cladding: +14 PSF Applicable Internal Pressure Coefficient: ± 0.00
- Wind Speed is based on a 3 second gust wind speed. Wind speed and category are defined in the title block.
- 2 set forth by the engineer of record. If there is a question of structural capacity then the owner, at his own expense, shall hire an architect or engineer to verify the structural capacity of the host structure. This structure is designed to be attached to block and wood frame structures of adequate structural capacity. host structure and foundation to which the aluminum structure attaches to is in good condition and meets all requirements of sufficient strength as The contractor shall verify that the
- 3) The screen enclosures designed with this set of engineering connection details are not required to be sealed by an engineer in accordance with F.S. 489.113(9), provided they meet the following requirements: (1) Pool enclosures shall not exceed 16' in average height or a combined height and span of 50'. (2) Solid roofs (composite roofs or aluminum pan roofs) shall not exceed 16' in span. Structures that exceed the aforementioned requirements are to be signed and sealed by Frank Cleaton, JR, P.E.
- 4) The user of this generic engineering package is required to have *only one* signed and sealed letter of authorization from Frank Cleaton, JR, P.E. per job, allowing for the usage of this set of engineering. Copies of said letter can be made, provided they are used in conjunction with an individual signed and sealed letter.
- 5) Where super gutter is specified, the two available sizes of 5 in. and 7 in. can be used interchangeably, unless otherwise noted
- 9 Screen wall and screen roofs are based on a 60% screen mesh density with a maximum density weave of 20x20 threads per square inch
- 7 Actual wall thickness of members shall not be less than 0.040 in. Alloy of members is given in the "Member Definition List."
- Concrete shall be a minimum 28 day compressive strength of 2500 PSI, and be in accordance with the requirements of ACI 318. Reinforcing steel shall have a minimum yield strength of 40,000 PSI (grade 40) and be provided with cover in accordance with ACI 318. If existing concrete slab/footing are deemed adequate, it may be incorporated into a new slab/footing by observing the following procedure:

8

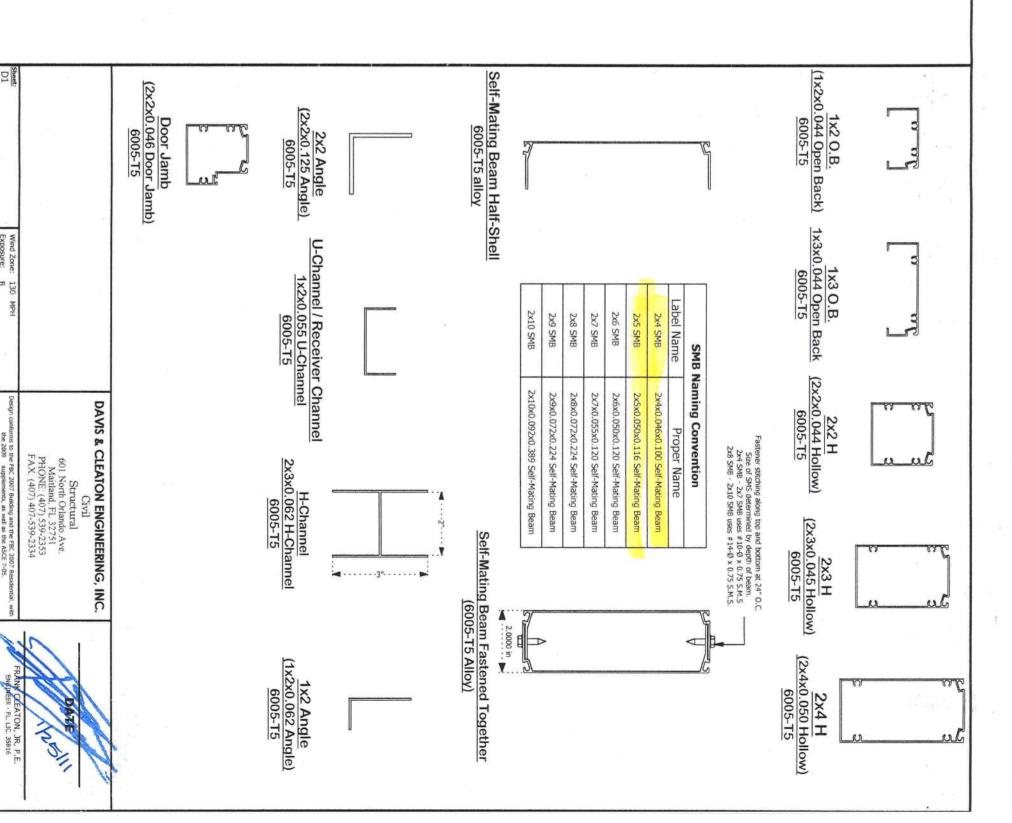
- 6 Clean and scabble all connecting edges

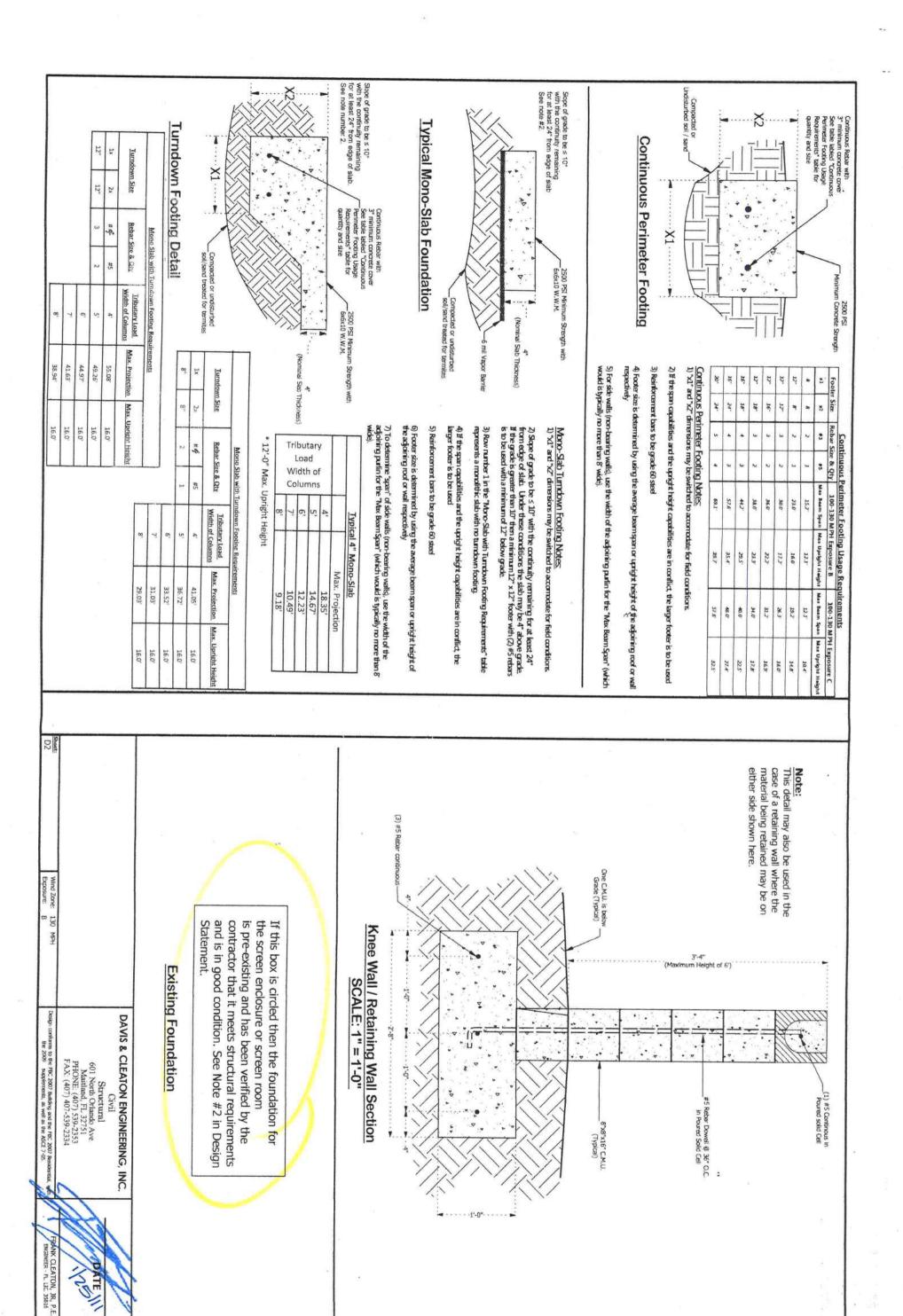
  Drill and epoxy embed #3 (MIN) reinforcing bar placed @ 24" O.C. mid depth. The rebar should be embedded a minimum of 4" (using Rawl R-KEA Epoxy Acrylate Resin System or approved equal), leaving 8" exposed to be incorporated into the new slab/footing
- Doors and their locations are incidental to the structural integrity of the design.
- Knee Brace lengths are given by their horizontal and vertical displacements and not the actual cut length
- Screen Frame wall with guardrail are designed as follows:

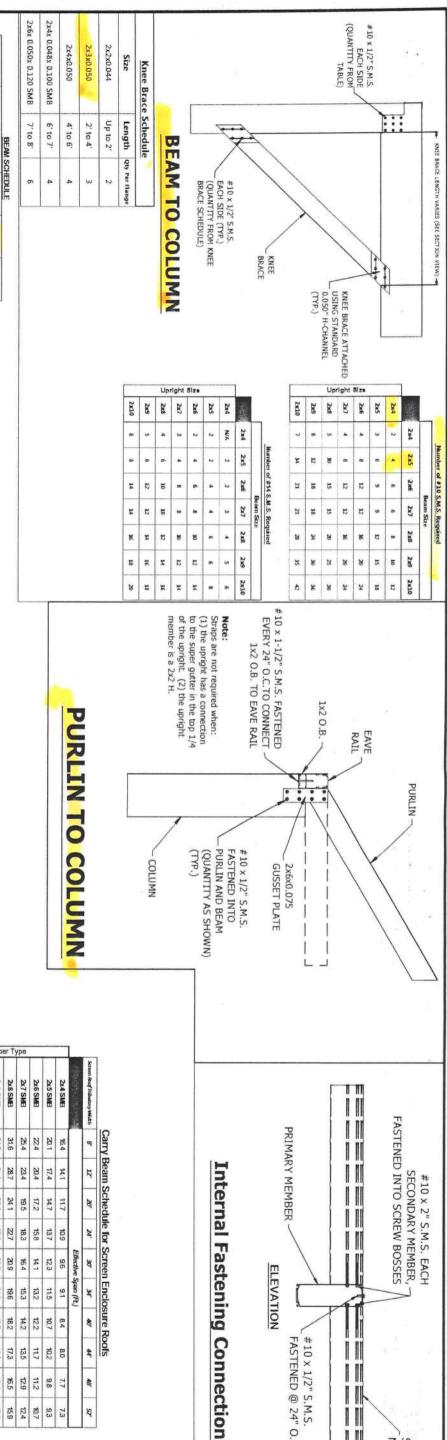
11) 10) 9)

- 20 lbs/LF in any direction at the top of the rail and will transfer loads to the supports of the structure
- 200 lbs concentrated load at any point in any direction along the top
- A 1.33 stress increase is allowed per 1607.7.1.3 for working stress (allowable stress) design.
- 12) Screen mesh continuity along frame members is incidental to the structural integrity of the design, therefore each panel is not required to be fastened in place independent of other panels around it.
- 13) heavy-bodied bituminous paint or water-white methacrylate lacquer When using Self-Drilling TEK screws in lieu of S.M.S., longer screws must be used to compensate for drill head so that the required embedment length of threaded parts of the screw are in positive contact with the host or connected material. TEK screws and S.M.S. are used interchangeably Aluminum Surfaces in contact with lime-mortar, concrete, or other masonry materials, shall be protected with alkali-resistant coatings such as
- 14) Unless otherwise noted, concrete anchors shall be placed no less than 2-1/2" from the edge of slab/footing or 5x the embedment of the fastener.
- 15) Any notes or design specifications inside the engineering details can be superseded by a site-specific design sealed by the Frank Cleaton, JR, P.E.
- 16) Minimum edge distance and center-to-center distances for fasteners are as follows

Fastener	Nominal Diameter	Minimum Edge Distance	Minimum Center to Center Distance
#10	0.188	5/16"	1/2"
#12	0.219	3/8"	5/8"
#44	0.25	1/2"	7/8"







ELEVATION

#10 x 1/2" S.M.S. FASTENED @ 24" O.C.

İ

MEMBER SECONDARY

	L				ре	or Ty	embe	Me		_	
Screen Roof Tributory Width	10000000000000000000000000000000000000	2x4 SMB	2x5 SMB	2x6 SMB	247 SMB	2x8 SMB	2x9 SMB	2×10 SMB	2x5 TFB	2x7 TFB	2×9 TFB
q		16.4	20.1	224	25.4	31.6	34.3	227	24.1	30,0	36.3
12"		14.1	17.4	20,4	23.4	28.7	31.6	39.3	222	27.3	33.4
20		11.7	14.7	17.2	19.5	24.1	26.6	33.0	18.5	229	28.1
24		10.9	137	15.8	18.3	227	25.0	31.0	17.4	21.6	264
35	Effective	9.6	123	14.1	16.4	20.9	227	28.6	15.6	19.9	24.3
¥	Effective Span (RL)	9.1	11.5	13.2	15.3	19.6	21.3	27.5	14.5	18.6	23.4
Ŕ		8.4	10.7	122	14.2	18.2	19.7	25.9	13.5	17.3	220
4		8.0	10.2	11.7	13.5	17.3	18.8	247	128	16.4	21.0
48		7.7	9.8	11.2	129	16.5	18.1	23,6	123	15.7	20.1
SZ		7.3	9.3	10.7	124	15.9	17.3	227	11.8	15.1	19.3

### Spans may be interpolated but not extrapolated

### 1) Beam member size is

- chosen by the span between the knee braces.
- If there are no knee braces then the span is chosen by the distance of the beam length minus half the depth of each upright. (i.e. Beam Length (half depth of Upright 1 + half depth of upright 2)).

Column Member Type

2x4 H

4.0' 4.5' 5.0' 5.5' 6.0'

- and sealed by a licensed Knee Brace Length shall not exceed what is given in the Knee Brace schedule (i.e. 8' in horizontal or vertical distance) unless the site-specific layout has been approved professional engineer
- Upright member size is knee brace. s chosen by the span from the ground to the bottom of the
- 5) Chair rails that are attached to uprights through the web of the upright into every available screw boss of the chair rail, may be used as Guard Rails in screen enclosures provided that they are set at a height of between 18" & 48" and that they span no greater than what the Chair Rail Schedule' identifies for each respective member.

Member

2x4x0.050 2x3x0.060

17.0 15.3

17.3 14.7 13.1

16.8 14.3 12.8 8.0

16.1 13.8

15.8 13.4

15.1 129

14.4 124

13.7 11.9 11.1 7.7

Member

2x4x0.050 2x3x0.060 2x3x0.050 2x2x0.045

13.6 12.7

12.7 11.8

11.2 10.6 9.1 7.1

10.5 10.1 8.7 6.8

11.1

11.0 10.4 9.7 8.5 7.8 7.6 Tributary Width

Chair Rail Schedule

Effective Span (Ft.) 5' 6' 7' 8' 2x3x0.050

13.7

124

12.0 8.0

117

114

SOL 11.4

2x2x0.044

8.0

8.0

8.0

8.0

7.9

7.5

Effective Span (ft)

Purlin Schedule (up to 130 MPH / Exposure B)

2x6 SMB
2x7 SMB
2x8 SMB
2x8 SMB
2x9 SMB
2x10 SMB
2x1 TFB
2x1 TFB
2x1 TFB

36.2 47.1 55.9 58.5

30.4 41.2 48.8 23.7

33.3 51.9 58.9 35.7 35.7

28.1 39.1 53.5 53.5 22.0 22.0

22.8 26.3 37.3 37.3 51.2 28.9 28.9

31.8

28.9 18.9

264

24.4

14.9

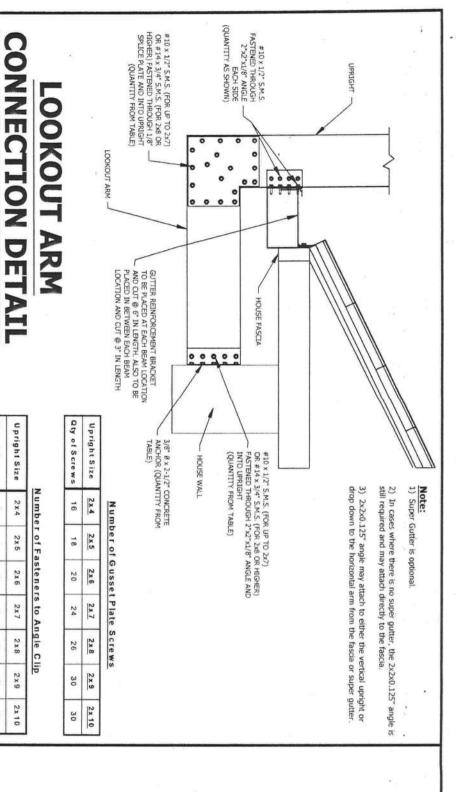
6) The span tables shown are calculated for exposure B type terrain. If exposure C is needed, then use the multipliers as follows: With a height range of [0'-15': multiply span by 0.83 or fasten Self-Mating Beams together @ 12" O.C.], [15'-20': multiply span by 0.78 or fasten Self-Mating Beams together @ 12" O.C.], [20'-25': multiply span by 0.74 or fasten Self-Mating Beams together @ 8" O.C.], [25'-30': multiply span by 0.74 or fasten Self-Mating Beams together @ 8" O.C.], [25'-30': multiply span by 0.71 or fasten Self-Mating Beams together @ 6" O.C.].

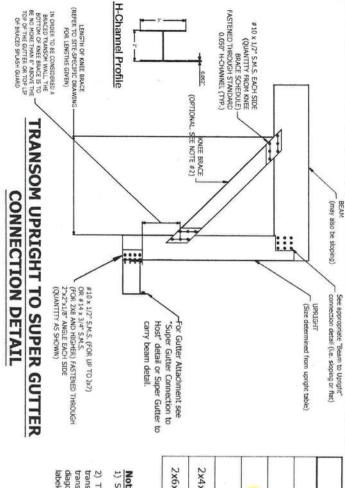
### 130 B MPH DAVIS & CLEATON ENGINEERING, INC. orms to the FBC 2007 Building and the FBC 2007 Re the 2009 supplements, as well as the ASCE 7-05.

D3

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Knee Brace Schedule	Schedul	l CD
Size	Length	Length Qty Per Flange
2x2x0.044	Up to 2'	2
2x3x0.050	2' to 4'	ω
2x4x0.050	4' to 6'	4
2x4x 0.048x 0.100 SMB	6' to 7'	4
2x6x 0.050x 0.120 SMB	7' to 8'	6

Qty of Screws

ω

A

cn

6

00

9

### Note: 1) Super Gutter may be 5" or 7".

2) The Knee Brace (K.B.) is optional and is only used to qualify a transom wall as being braced to the host structure. When the transom wall is braced to the host structure, requirements for diagonal bracing in the roof change accordingly. See the detail labeled "Diagonal Roof Bracing Plan" for diagonal roof bracing rules.

Non-Load

BEARING

ANSOM WALL CONNECTION

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Civil

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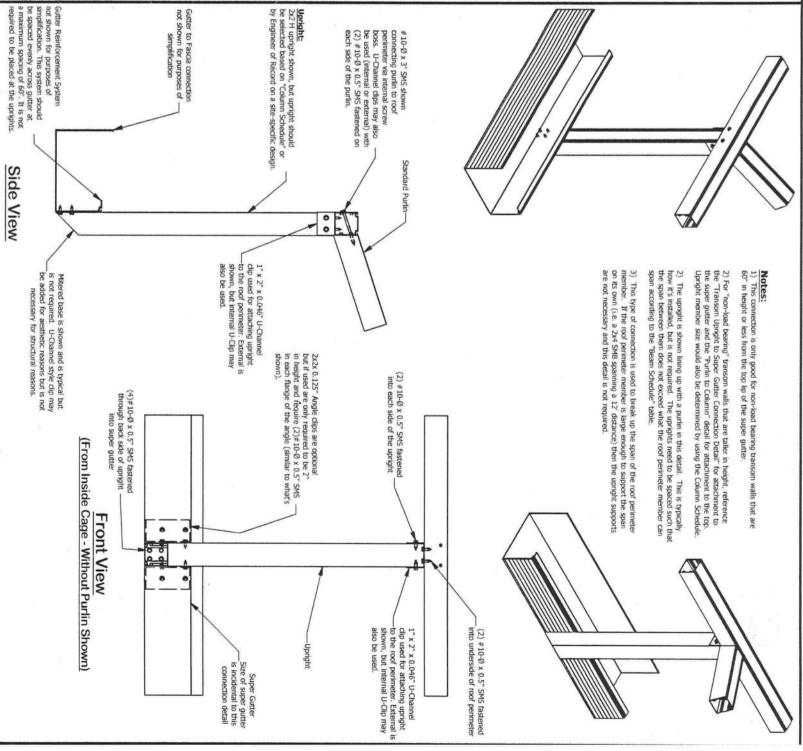
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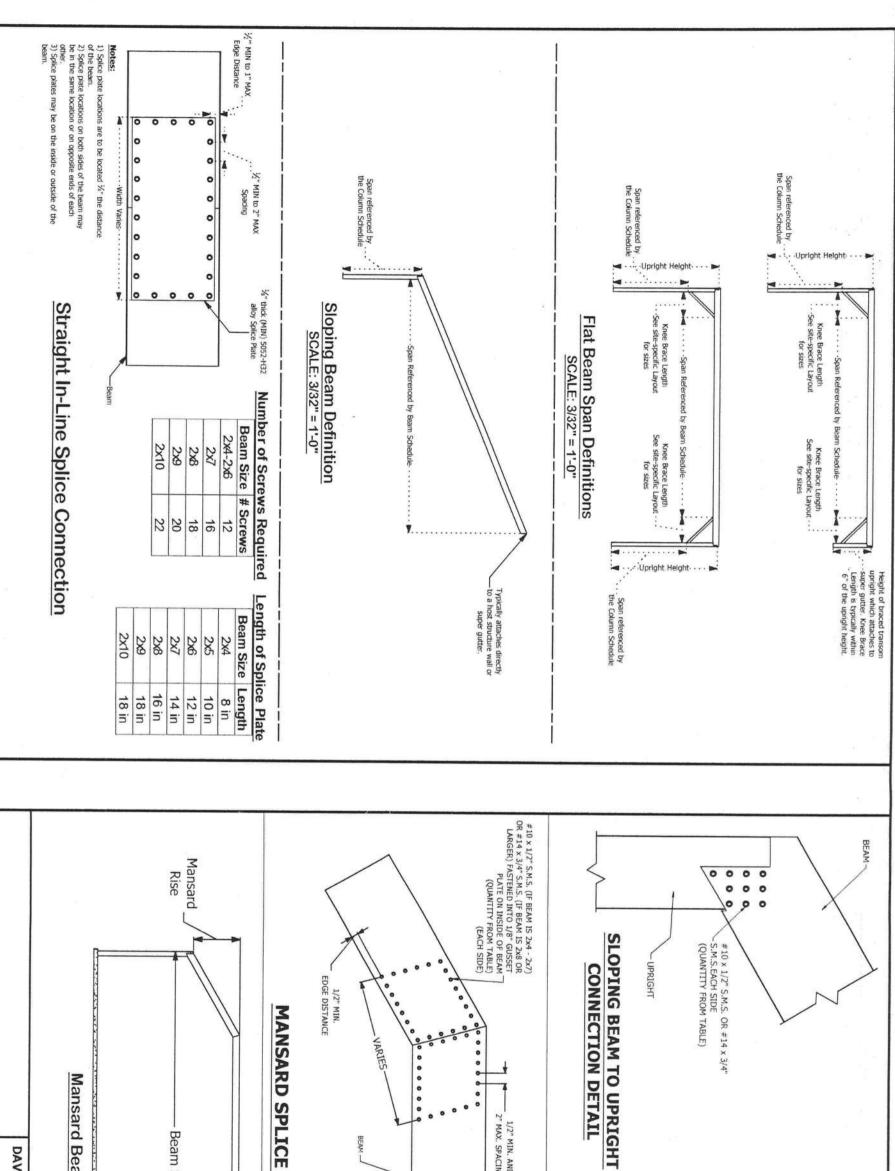
130

the 2009 supplements, as well as the ASCE 7-05.

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Modi





#10 x 1/2" S.M.S. OR #14 x 3/4" S.M.S.EACH SIDE (QUANTITY FROM TABLE)

Quantity of #14 Fasteners Required

Upright size

N N N N

12

16 13

16 20 22

13 19 24 27

19

25 27

27

Quantity of #10 Fasteners Required

2×4

2x5 2x6 2x7

2x8 2x9 2x10

UPRIGHT

CONNECTION DETAIL

Upright size

12 12 12

12 13 14 13

15 15 17

16 19 22 25

N/A

2×5

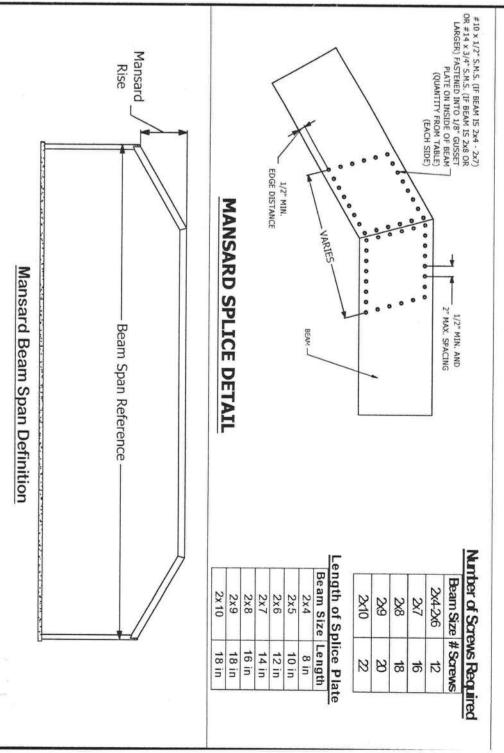
2×6

2×7

2×8

2×9

2×10



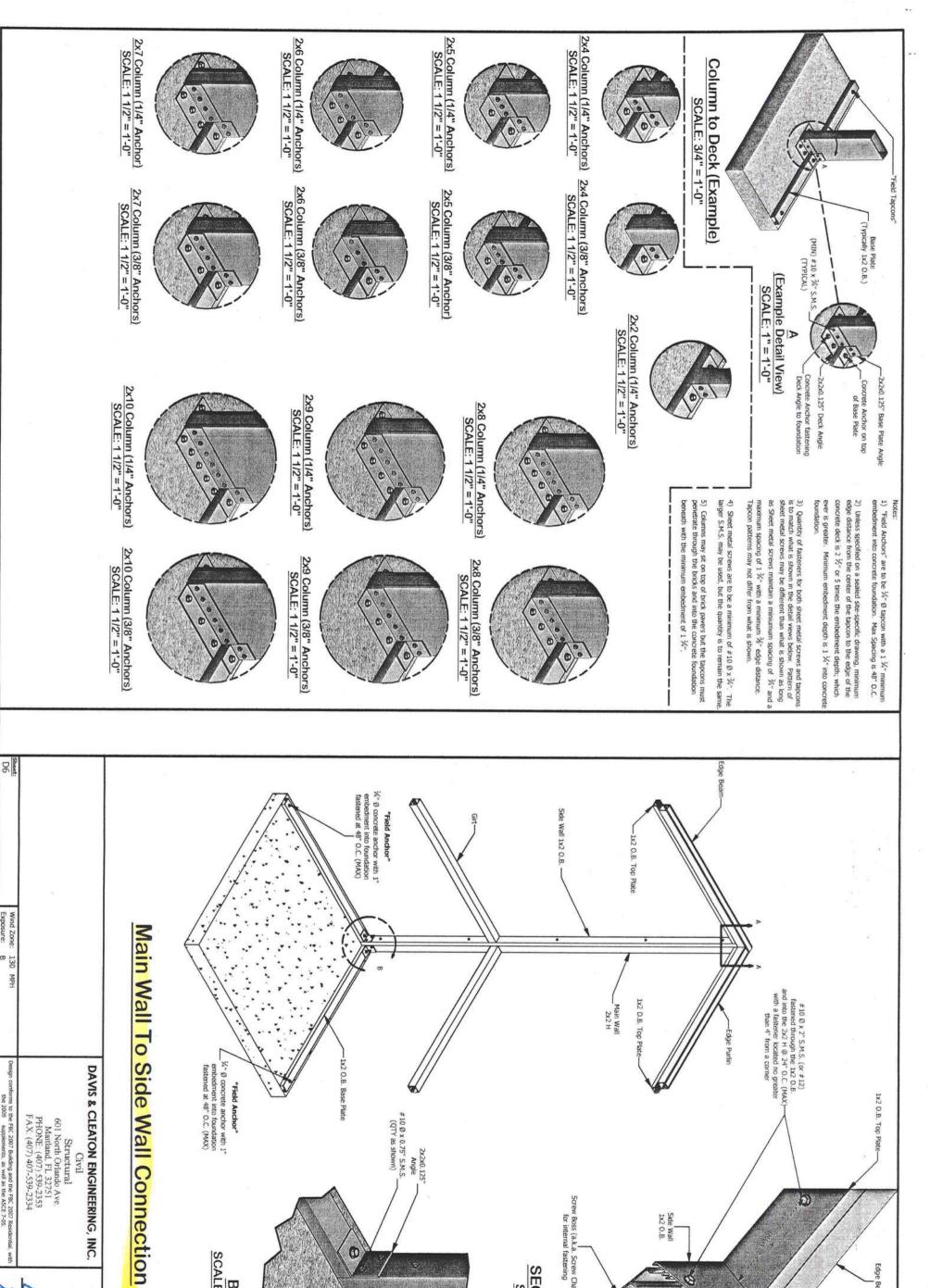
D5

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May



1x2 O.B. Top Plate

Edge Purlin

0

0

Base Plate

0

1x2 O.B. Base Plate

SCALE: 1:5

2x2x0.125" Angle #10 Ø x 0.75" S.M.S. (QTY as shown)

0.25" Dia. w/ 1.25" (MIN) embedment into concrete (QTY as shown) (TYP)

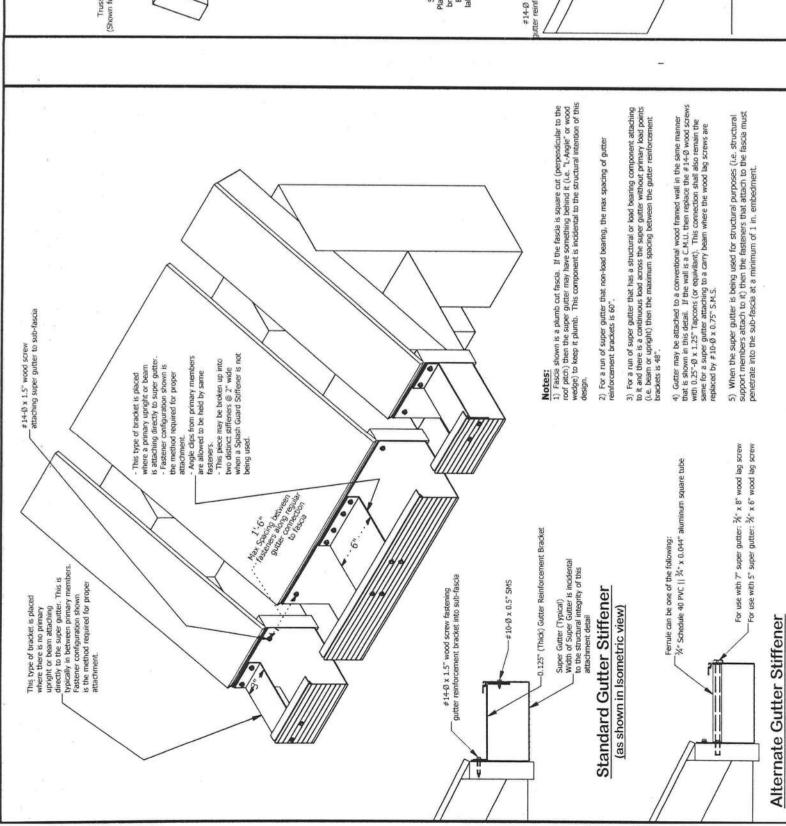
Screw Boss (a.k.a. Screw Chase) for internal fastening

SECTION: A-A
SCALE: 1:3

Side Wall 1x2 O.B.

Main Wall 2x2 H





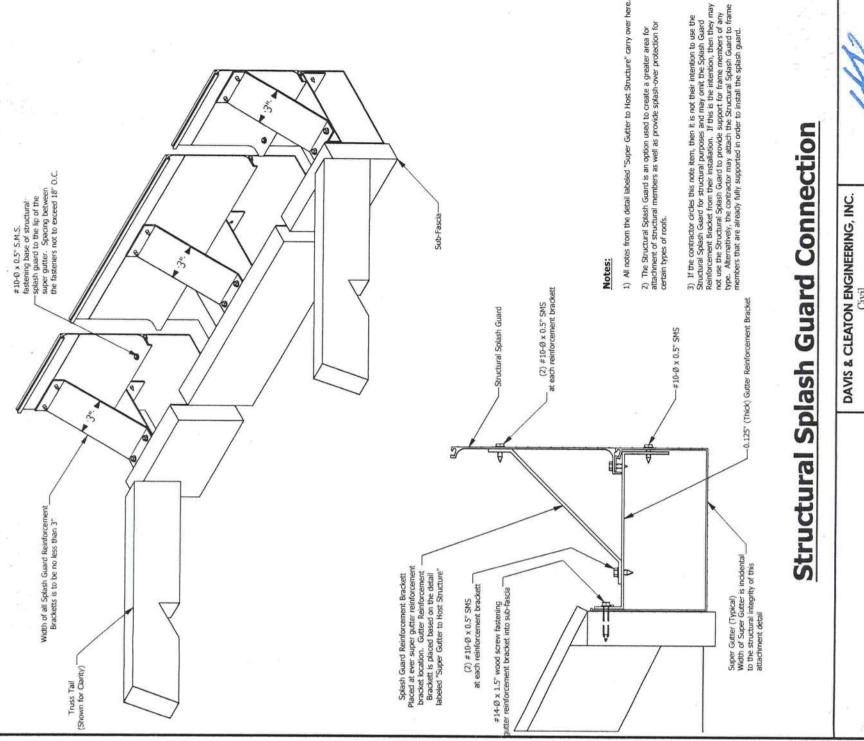
# Super Gutter Connection to Host Structure

MGZI

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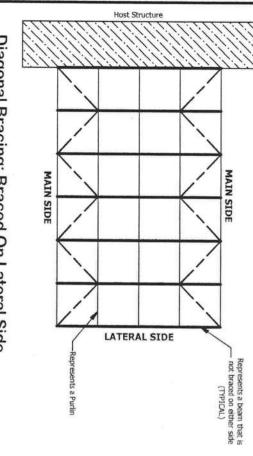
Design conforms to the FBC 2007 Building and the FBC 2007 Residential, with the 2009 supplements, as well as the ASCE 7-05.

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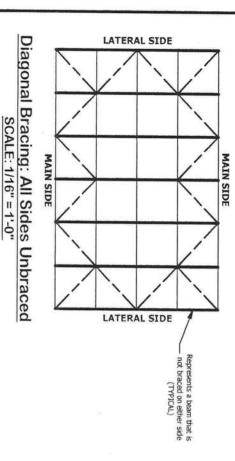


### LATERAL SIDE MAIN SIDE LATERAL SIDE nts a Purin

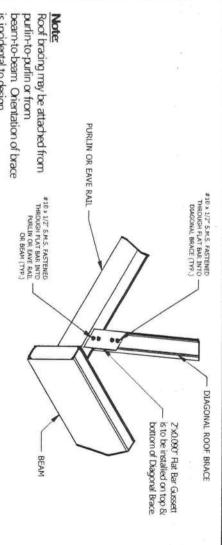
# Diagonal Bracing: Braced on Main Side SCALE: 1/16" = 1'-0"



# Diagonal Bracing: Braced On Lateral Side SCALE: 1/16" = 1'-0"

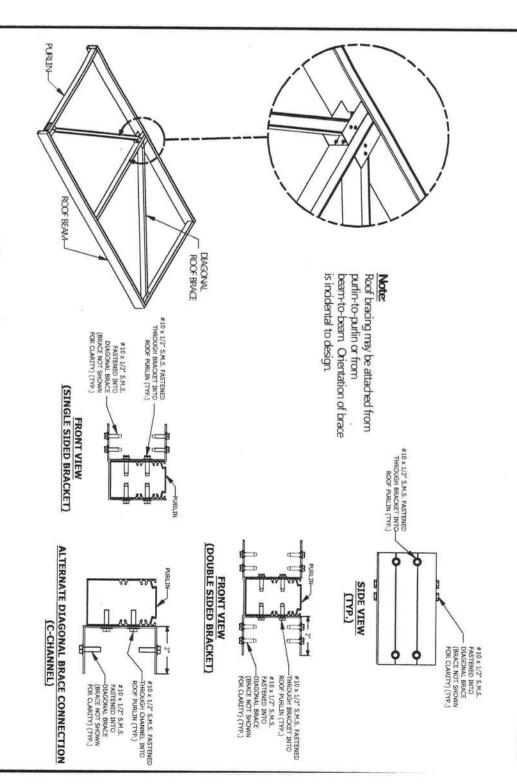


- Roof bracing may be placed in either the first or second bay on each side of the enclosure where applicable.
- The orientation (i.e. direction) of each individual diagonal brace is incidental to the structual integrity of
- center may be omitted. 3) If there are an odd number of panels, a brace in the
- Any enclosure that is braced on both a "main side" and a "lateral side" does not require roof bracing.
- terminate into the host structure or be supported by a screen wall no greater than 12" above the host structure. If the wall height is greater than 12" there must be a knee brace going from the roof member down to the upright with the bottom of that knee brace no higher In order for a side (main side or lateral side) to be considered "braced", the beam or row of purlins must than 6" above the host structure.



# is incidental to design.

# Diagonal Brace Gussett Attachment



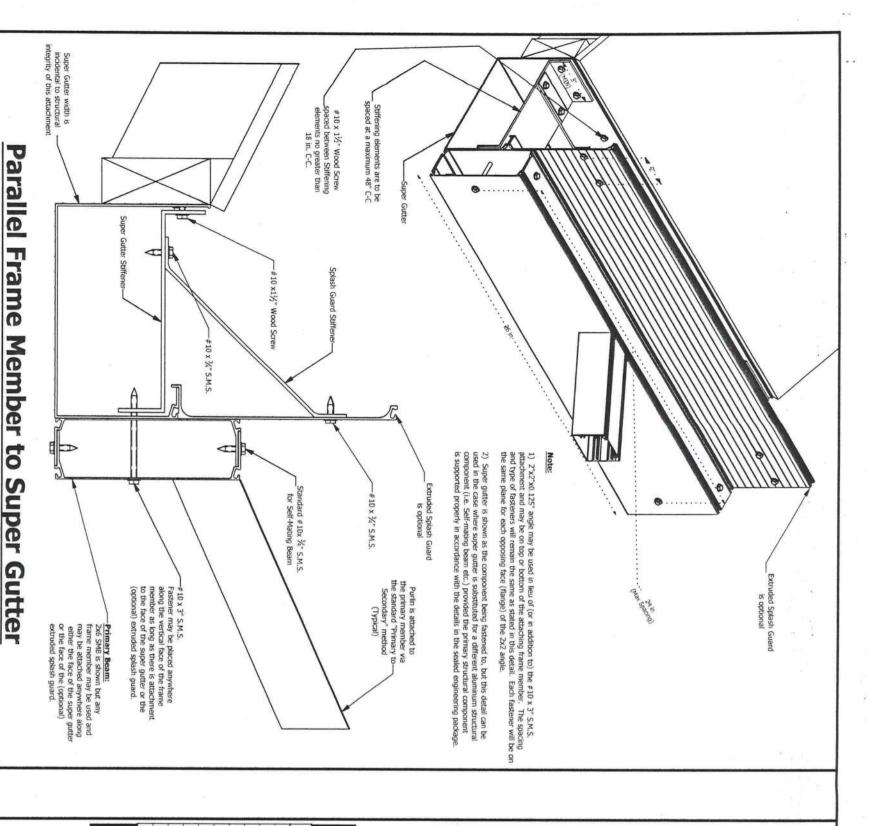
### Diagonal Brace **Channel Bracket**

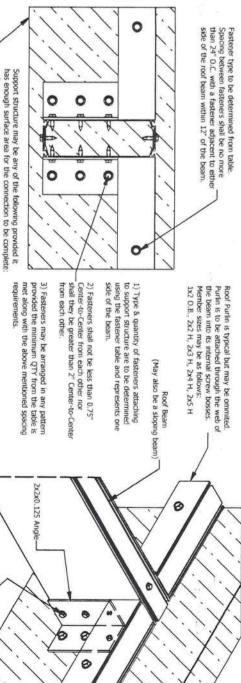


D8

MPH







1) 3/c Plywood / 3/c 0.S.B.
2) C.M.U.
3) Standard aluminum carry beam frame member used in the fabrication of screen endosures.
4) Super Gutter with proper reinforcement brackets at the connection, as depicted in the detail labeled "Super Gutter Connection to Host Structure".

2) If there is a purlin attaching to the beam and its presence provides minimal room to achieve the minimum fastener requirements then an additional 2x2x0. 125" angle may be used going from the beam to the purlin with the fasteners penetrating the purlin and the angle to attach to the host structure.

U-channel may be used in lieu of 2x2 angle clips on either side of the beam as long as the thickness of the U-Channel being used is greater than or equal to the thickness of the beam to which it is attaching.

### Beam to Support Structure

Fasteners may be arranged in any pattern provided the minimum QTY from the table is met along with the above mentioned spacing requirem

Fasteners shall not be less than 0.75"
 Center-to-Center from each other nor shall they be greater than 2" Center-to-Center from each other.

1) Quantity of fasteners attaching to beam are to be determined using the fastener table and represents one sid of the beam. Type of fasteners will be #10 S.M.S. for beam sizes between 2x4 - 2x7 & #14 S.M.S. for beam sizes 2x8 - 2x10.

Total Court	2x10 SMB	2x9 SMB	2x8 SMB	2x7 SMB	2x6 SMB	2x5 SMB	2x4 SMB	2x4 H	2x3 H	2x2 H	Beam Size #10	-	i acia	
A\N	6	5	5	4	ω	w	2	2	2	2	#10 S.M.S.	asteners		
A\N	6	5	5	4	ω	ω	2	2	2	2	#14 S.M.S.	Fasteners to Beam	,	Beam to
"25.£	5	4	4	æ	2	1	ь	ь	1	1	0.25 % Tapcons	Fasteners to C.M	Ainimum Quantity	Host Structure
"25.I	3	3	3	2	jus	pas	1	1	1	1	0.375 % Tapcons	Fasteners to C.M.U. Host Structure	Minimum Quantity of Specified Fasteners (One side)	Beam to Host Structure Fastener Requirements
"t	9	5	5	4	3	3	2	2	2	2	#10 Wood Screw	Fasteners to Wood Host Structu	ers (One side)	ements
"T	6	5	5	4	3	2	2	2	1	1.2	#14 Wood Scri	od Host Struct		

### ure angle bracket (see Note #1) 2x2x0.125" custom bent Angled Beam to Support Structure (Plan View) 0

2x2x0.125" custom bent angle bracket (see Note #3)

### Notes:

Acute side of beam may be notched to allow for the 2x2x0.125" custom bent angle bracket to slide in between the beam and support structure. The fabrication method to achieve this would be to simply attach the angle bracket to the beam prior to installing the beam half-shell, provided the acute side of the beam is installed first. This would allow for the fasteners to be installed into the support structure prior to the installation of the obtuse side of the beam.

2) If the fabrication method shown here cannot be achieved, then a secondary 2x2x0.125" angle must be installed beneath the beam. Type and Qty of fasteners should reference the row labled "2x2 H" in the "fastener Requirements" table.

A custom bent 2x2x0.125" angle must always be installed on the obtuse side of the beam.

All other notes and specifications from the "Straight Beam to Support Structure" detail apply to this detail.

Mary

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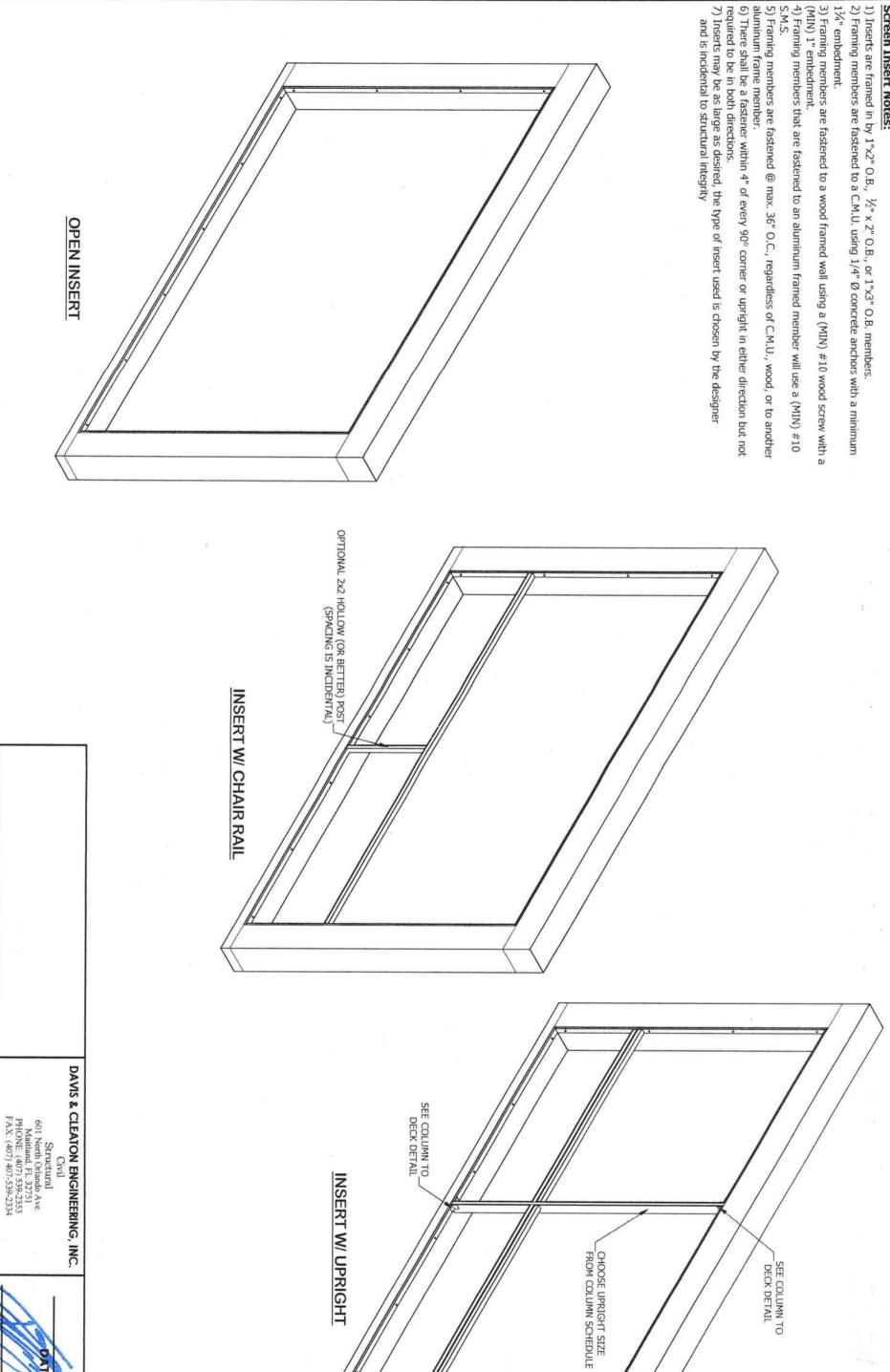
LIAI

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D9

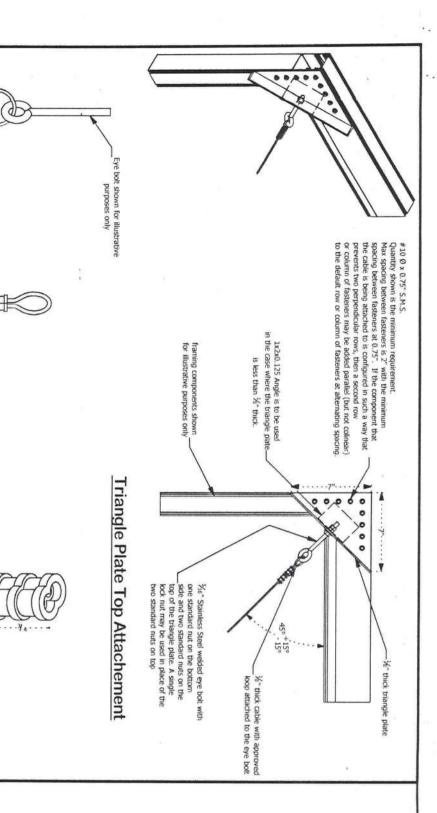
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# 11/4" embedment. 1) Inserts are framed in by 1"x2" O.B., $\frac{1}{2}$ " x 2" O.B., or 1"x3" O.B. members. 2) Framing members are fastened to a C.M.U. using $\frac{1}{4}$ " Ø concrete anchors with a minimum 3) Framing members are fastened to a wood framed wall using a (MIN) #10 wood screw with a (MIN) 1" embedment. Screen Insert Notes: SEE COLUMN TO DECK DETAIL



D10

ums to the FBC 2007 Building and the FBC 2007 Res the 2009 supplements, as well as the ASCE 7-05.



### Cable Connection Notes:

(Shown after being mechanically pressed) Pressed Eyelet Sleeve

To determine the quantity of cables needed for a screen wall braced on one side by a host structure take the total square footage of the braced wall and divide by 250. Round the calculated value to the closest whole total square footage of the braced wall and divide by 250. Round the calculated value to the closest whole number and subtract one. It is intended to not have a cable on a wall that is less than 250 s.F. Example: 430 s.F. / 250 = 1.72 -> rounds to 2 -> 2-1 = 1 cable Example: 230 s.F. / 250 = 0.92 -> rounds to 1 -> 1-1 = 0 cables

%" thick stainless steel cable

ed Aluminum Eyelet Sleeve

2) To determine the quantity of cables needed for an unbraced screen wall, take the total square footage of the unbraced wall and divide by 250. Round the calculated value to the closest whole number and multiply by 2. It is required that an unbraced screen wall have an equal amount of cables opposing each other. Example: 535 S.F. / 250 = 2.14 -> rounds to 2 -> 2\*2 = 4 cables (2 pairs of opposing cables) Example: 780 S.F. / 250 = 3.12 -> rounds to 3 -> 3\*2 = 6 cables (3 pairs of opposing cables)

3) Any one of the approved cable-to-deck attachments shown may be used. Field conditions will dictate the type of attachment used and may change dynamically from the original design intent. This has no bearing on the design or the structural integrity of the enclosure and therefore is allowed to be done, as long as one of the approved attachment defails is utilized.

Figure 8 Loop

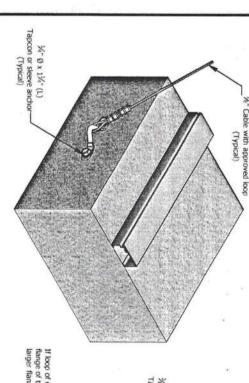
Single Loop

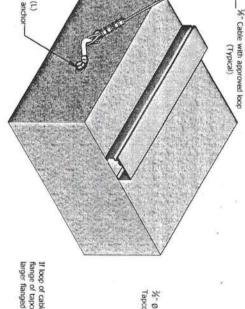
 Cables may attach through pavers as long as the minimum concrete longer tapcon. ent of  $1-\frac{1}{4}$ " is achieved by using a

um concrete edge distance for all concrete fasteners is 2½".

Cables should be at a 45° angle to the vertical uprights (±15°).

Cable Attachment Details (1 of 2)

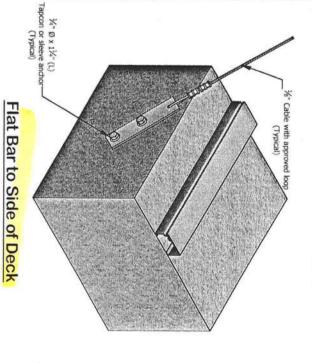




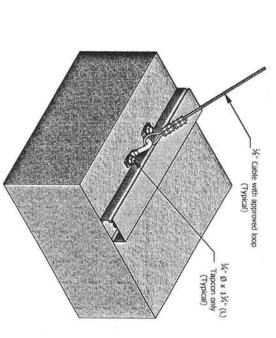
Cable with approved loop (Typical)

### If loop of cable is larger than washer flange of tapcon then an additional larger flanged double washer is required %" Ø x 3" (L) Tapcon (only)

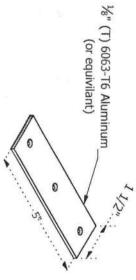
## Camelback to Side of Deck



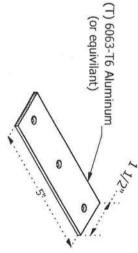
# Single Concrete Fastener to Side of Deck

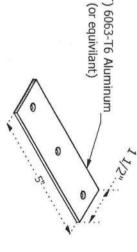


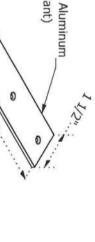
## Camelback to Top of Deck

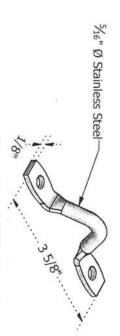


Flat Bar Plate









Camelback Clip Bracket

1/8"

0

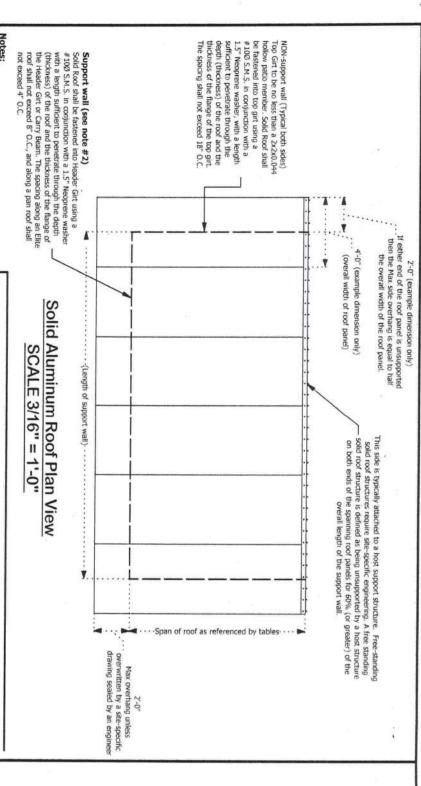
# Cable Attachmen t Details (2 of 2)

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D11



### Notes:

The plan view in this detail shows an Elite composite roof but the same rules apply to an aluminum pan roof unless otherwise noted.

2) There are two types of walls: Support Walls and Non-Support Walls. The Support Wall will consist of a Header Girt supporting the sold roof that can either run continuously across the entire length of the wall with intermittent support from columns (See "Independent Post to Carry Beam" (detail) or the broken up to span between the support columns via being internally fastened into screw bosses through the web of the support columns (see "Primary Member to Secondary Member" (detail). Non-Support Walls (A.K.A side walls) are not used to support the roof and therefore are not required to maintain a Header Girt. Note:

The Elite roof span tables were produced in accordance with the allowable loads given in the Florida Product Approval of the Elite Aluminum Corporation's Composite Roof Panel. The Florida Product Approval number for this roof panel product is FL-#7561-R1.

### Aluminum Pan (3" Riser) Span Table

Pan Type	3"x12"x 0.024"	3'X12'x 0.030	
Wind Zone		Effective Span (Ft)	2
100	11.0	611	
110	10.8	11.7	
120	9.8	10.9	
123	9.5	10.8	
130	9.2	10.5	
140-1	8.8	9.5	
140-2	50.00	9.5	
150	8.4	0.0	

oof Span Table (1# Core Density For

Carry Beam / Header Girt Schedule for Solid Roofs Only

16 20

48"x 0.024" 3"x 48"x 0.030" 21'-1" 24'-9"	'.1' 24'.9' 23'.1"	x0.024" 3"x45"x0.030" 4"x45"x0.024" 4"x45"x0.030" -'1" 24'-9" 23'-1" 26'-7"	24'-9' 23'-1" 23'-1"
24'-9"	24'-9" 23'-1" 27'-9" 21'-3"	**45**********************************	*45*x0.990* 4*x45*x0.024* 4*x45*x0.030* 5*x45*x0.024* 24*-9* 23*-1* 26*-7* 28*-7* 27*-9* 71*-3* 74*-5* 76*-5*
	4"x48"x0.024" 23'-1" 21'-3"	4"x 45"x 0.024" 4"x 45"x 0.030" 23".1" 26".7" 21"-3" 24".5"	4*x45*x0024* 4*x45*x0030* 6*x45*x0024* 23'-1* 26'-7* 28'-7* 21'-3'* 24'-5' 26'-5'

Ī	-	-	+	+		
	15.6	14.9	JO:O	3	9.2	80
100000	14.8	14.0	9,4		00	7.8
w	nd Z	one &	Cate	gory	Roof and	
130 7 1ADD	120 € 130 8	110 € 120 8	100 C 110 B	100 B	d Skin Thickness	ite Aluminum
1 2 2	18-1"	19-7	21'-2"	23'-1"	Roof and Skin Thickness 3"x 48"x 0.024"	Corporation Con
ac 171	21'-2"	23'-2"	24'-11"	27-2"	3"x 48"x 0.030"	nposite Roof Spa
	19-11"	21'-8"	23'-4"	25'-4"	4"x 48"x 0.024"	n Table (2# Core
	22'-9"	25'-1"	26-11*	29-3"	4"x 48"x 0.030"	Density Foam) [F
10. 10.	24'-8"	28-6	29-0"	316	3"x48"x0.030" 4"x48"x0.024" 4"x48"x0.030" 5"x48"x0.024" 6"x48"x0.030"	Elite Aluminum Corporation Composite Roof Span Table (2# Core Density Foam) [Florids Product Appended #6.7581-81]
** vc	28'-3"	31'-1"	33'-5"	36-4"	6"x 48"x 0.030"	wd #6,7561-RI)

Beam Size

2x5 SMB

2x4 SMB 2x5 H 2x4 H 2x3 H 2x2 H

124 14.4 116 10.7 7.6

11.6

10.9

10.2

9.0

8

6.7 6.3

13.4 12.5 12.0 11.4 11.1

10.3

8.6

8.1 61

10.7

9.9

91 89

85 7.8 7.5

7.9

6.5

9.1

8,4

82

7.3

6.0 5.6 43

7.1 9.9

6.5 6.0 5.8 5.6 5.4 5.2

Span (Ft)

2x7 SMB 2x6 SMB

201

17.9

16.4

15.2

14.1

13.4

12.7

12.1

11.6

10.7 9.9 6.8 72 9.7 7.0 6.4 4.6

23.6 22.3 21.2 20.2 19.6 18.8

18.1

17.2

15.9 14.9 16.8 15.6

18.0 15.4

16.6 15.1 132 135 125

13.9 13.1 12.5 11.7 11.2 10.6

11.7 11.0 9.5

10.5 8.6 10.6 82

10.0

9.5 7.8 9.9 7.5 63 5.0

34.8 28.0 25.5

30.4

28.9 23.3

27.7

26.7

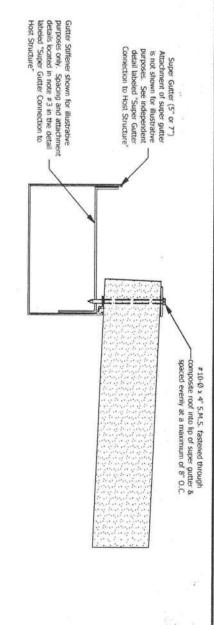
25.7

24.2

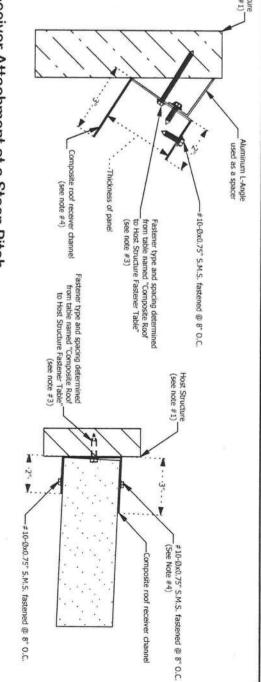
259 24.5

22.1 21.0 19.8

18.9 18.0



# Composite Roof to Top of Super Gutter



# Receiver Attachment at a Steep Pitch

# **Composite Roof to Host Structure Fastener Requirements**

<b>1</b> 00	Fastener	Maximur Fasteners to Beam	Maximum Spacing of Specified Fasteners (inches)  Fasteners to C.M.U. Host Fasteners  Structure	icing of Specified Fasten Fasteners to C.M.U. Host Structure	3	(inches) Fasteners to Wood Host Structure
Roof Thickness	#10 S.M.S.	#14 S.M.S.	1/4°0 Tapcons	3/8"Ø Taj	SHOOM	3/8"0 Tapcons #10 Wood Screw #14 Wood Screw
ų	8	12	18	24		8
4,	6	8	12	18		6
5"	4	6	8	12		. 4
6"	4	6	8	12		4
	N/A	NA	125"	1.25"		1.
		Mir	imum Embedm	ent Depths (	2,	inches)
		Mi		nimum Embedm	nimum Embedment Depths (un	Minimum Embedment Depths (inches)

# Composite Roof to Face of Host Structure

1) The term host structure is used synonymously with any structural component that the composite roof can attach to. This is including, but not limited to, the face of a carry beam house fascia, house wall, and the face of super gutter.

e "Composite Roof to Host Structure Fastener Requirements" The type of fastener that is attaching to the host structure is to be determined by

) Sheet Metal Screws and Wood Lag Screws (only) that attach into the host structure through the receiver channel must contain a 1.5" washer. If a washer is not used, then he type of fasteners mentioned in this note are to be doubled-up. They should be istalled in a vertical pattern, evenly spaced between the top and bottom flange of the ceiver channel

i) The fasteners that attach the composite roof to the long flange of the receiver harnel are only required where there is sufficient comnfor installation. For example, the composite roof is installed under a house overhang to the house wall; or where not is in a steep pitch and the bottom is inaccessible. Sufficient room is defined to 24" of space between the top of the composite roof and the bottom of the object overing that area. Anything less than that would constitute insufficient room and harefore not require that the top flange of the receiver channel be fastened.

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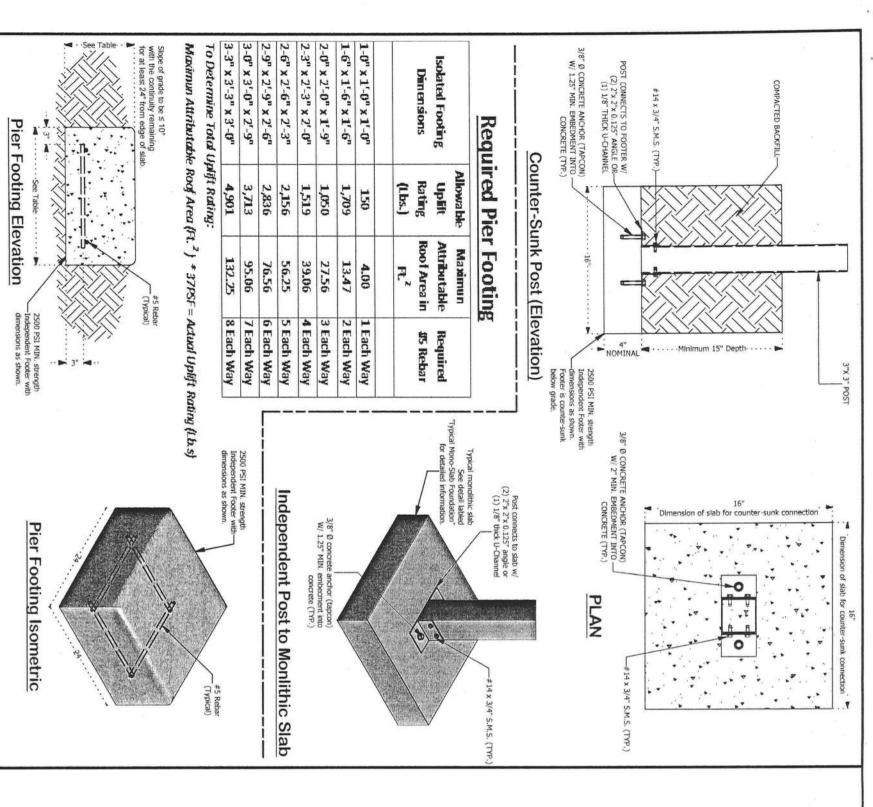
CLEATON, JR, P.E.

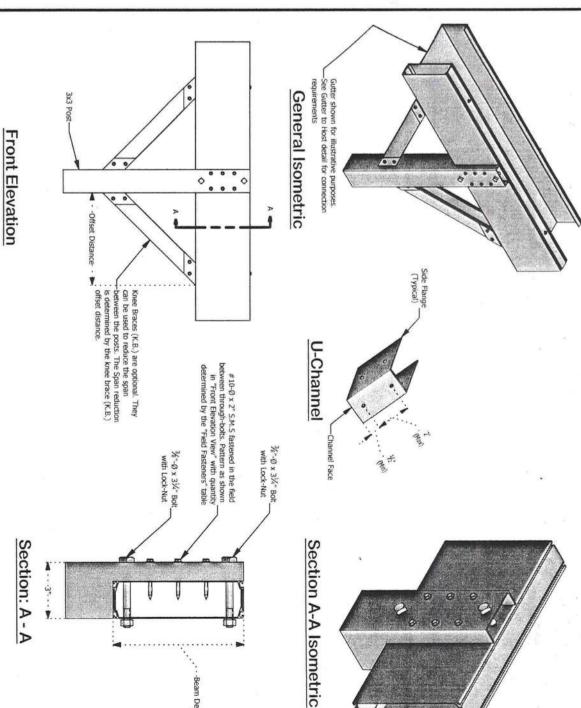
130 MPH

to the FBC 2007 Building and the FBC 2007 Re 2009 supplements, as well as the ASCE 7-05.

601 North Orlando Ave Maitland, FL 32751 PHONE: (407) 539-2353 FAX: (407) 407-539-2334

Structural





Beam Depth

2010	2x9	2x8	2x7	2x6	2x5	2x4	Beam Size	Fie
8	88	6	6	A	2	0	Beam Size  Qty of field fasteners	Field Fasteners

2500000	2x3x0.050	2x2x0.044	Size	Knee	
4. 40 6.	2' to 4'	Up to 2"	Length	Knee Brace Schedule	
4	3	2	Length Qty Per Flange	tule	

ty Per Flange		
is also al	1) The r	Notes

1) The notch in the 3k3 post is shown as a side notch but a centered notch is also allowable. In that case the field fasteners would be required to be installed on both sides of the notch and the through boths would be required to penetrate both sides of the notch through the beam.

The (optional) knee braces are shown being attached with U-Channel but H-Channel is also acceptable. The size of the knee brace and the quantity of fasteners is given in the "knee Brace Schedule".

3) Height and type of 3x3 post is determined by the appropriate tables called Column Schedule for Solid Roof / Screen Enclosure Combo\*. In the event that there is no solid roof or no screen enclosure then take the minimum span given in the table for the non-existent component.

2x6x 0.050x 0.120 SMB 2x4x 0.048x 0.100 SMB

7' to 8' 6' to 7

6

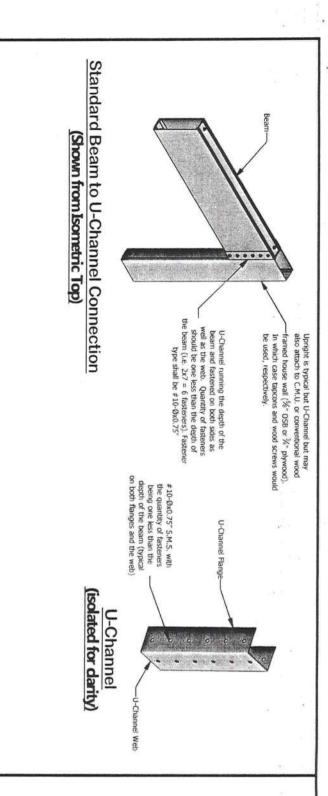
# Independent Post to Beam Connection

Structural	Civil	DAVIS & CLEATON ENGINEERING, INC.	
_	_	ίλ	

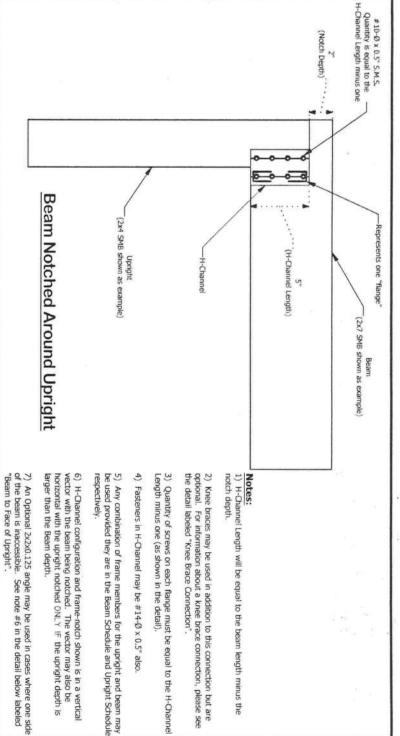
11194

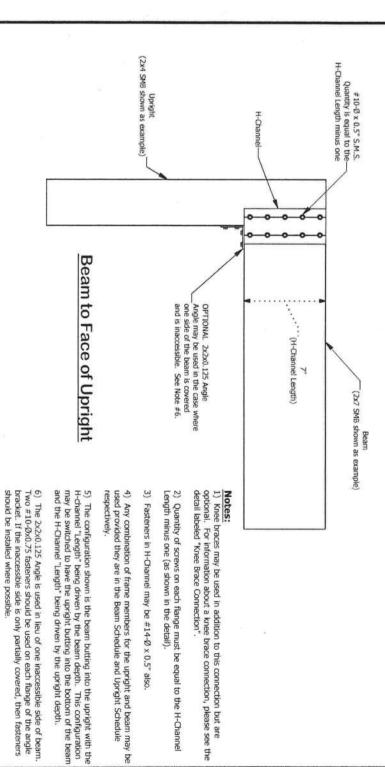
1PH	
Design conforms to the FBC 2007 Building and the FBC 2007 Residential, with the 2009 supplements, as well as the ASCE 7-05.	DAVIS & CLEATON ENGINEERING, INC.  Civil  Structural 601 North Orlando Ave. Maitland, FL 32751 PHONE: (407) 539-2353 FAX: (407) 407-539-2334
HIGHNEER - FL. LIC.	

D13



(2) ≠10-Øx0.75" S.M.S will be used for attachment to aluminum frame members (2) ≠10-Øx1" Wood screws will be used for attachment to wood frames (1) 0.25"-Øx1.25" Tapcon will be used for attachment to C.M.U. 2x2x0.125" Angle used as a secondary support in the event where one side of the u-channel is partially inaccessible If there is space available and the U-Channel flange is accessible, then fasteners will be required where possible (1) #10-Ø x 0.75" Fastener fastened through the super gutter and U-Channel into the beam.





### Beam to Upri ght (H-Channel)

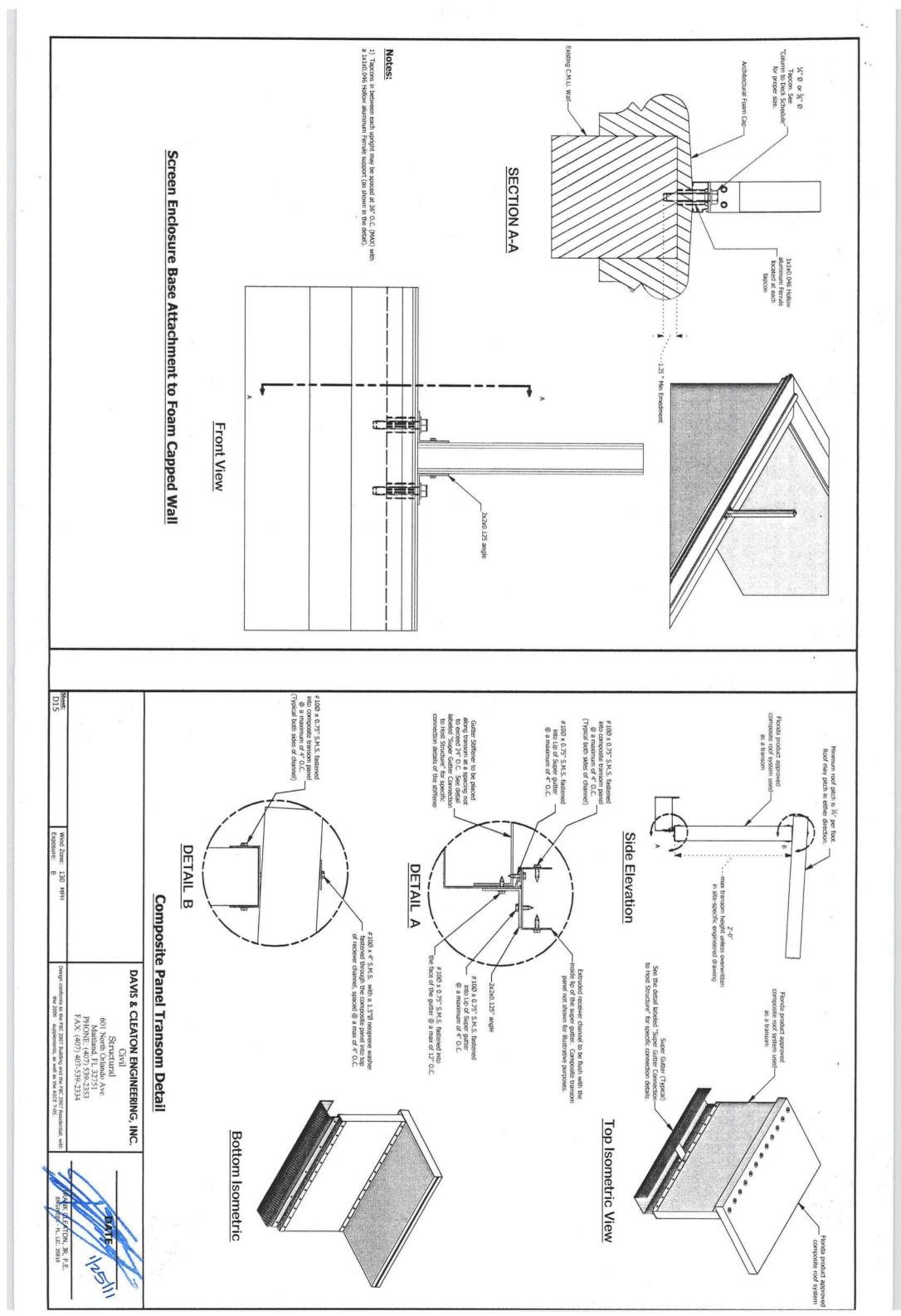
(Shown from Isometric Bottom) Beam to U-Channel w/ Gutter

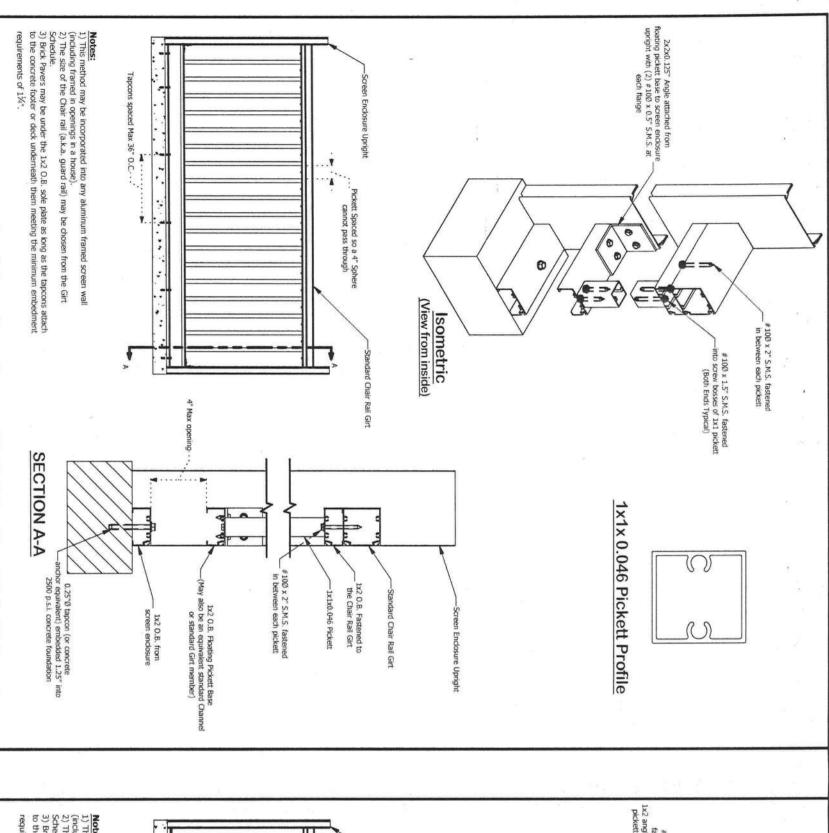
Beam to U-Channel w/ Gutter (Shown from Isometric Top)

# DAVIS & CLEATON ENGINEERING, INC. Structural 601 North Orlando Ave. Maitland, FL 32751 PHONE: (407) 539-2353 FAX: (407) 407-539-2334

Sheet: D14

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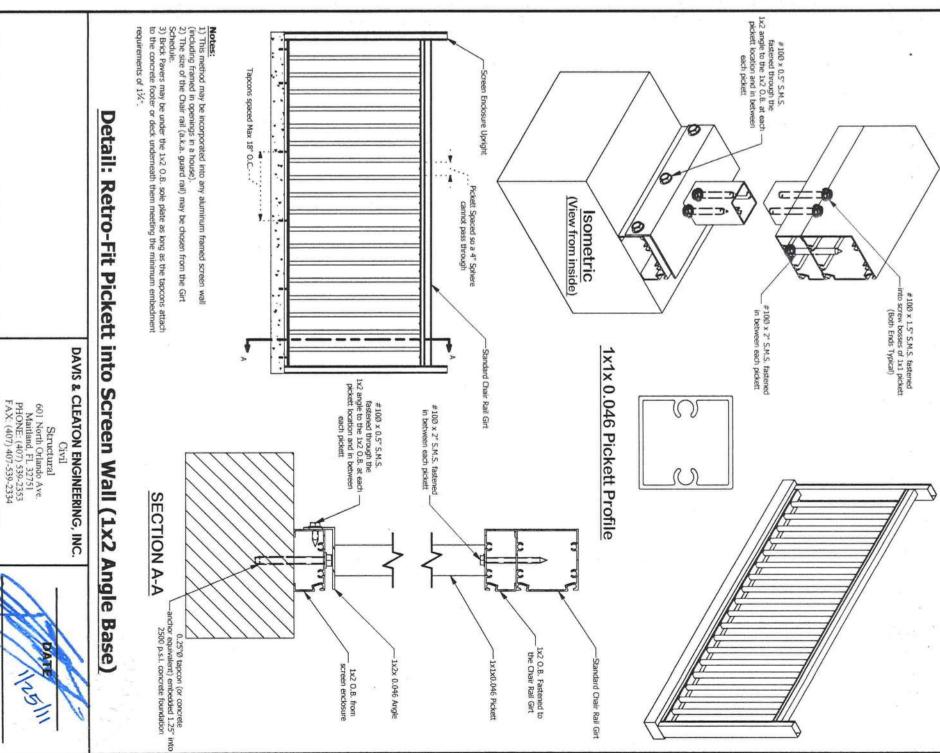


Detail: Retro-Fit Pickett into Screen Wall (Floating Pickett Base)

D16

orms to the FBC 2007 Building and the FBC 2007 Re the 2009 supplements, as well as the ASCE 7-05.

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- 1								paci	ng I	FU							Co	Mum	in 11	tout	ary	Mate	sbs	cing	16.4	ŀ				_	-	-			-	-	500	_	-	(Ft)	-	
	26	24	22	20	18	16	1	12	10		一世 日本の 一日 日本	Saren Rood Yabutary Width (Ft)	3x3x0.092 Column				84	×	22	26	168	*	r r	8		Section 12 Color section	Screen Roof Tributtory Wolds [F1]	3x3x0.060 Column Schedule for Solid Roof / Screen Enclosure Combo			×	24	z	26	节	16	ú	12	8	8	Mario San San Branch	Screen Roof Telescop Width (Fc)
	18.4	18.7	19.0	15.2	19.5	19.8	20.0	20.3	30.6	20.9		te	Column				10	10.1	11.1	12.C	13.0	14.0	14.9	16.8	17.8		•	olumn			16.3	16.7	17.1	17.5	17.9	18.4	18.8	19.2	19.6	20.0		
60	18.3	18.5	18.8	19.1	19,4	19.6	19,9	20.2	20.5	20.7		2.0	Schee		Heights (	Cor	8.9	9.9	10.9	3.11	12.8	13.8	14.7	16.6	17.6		R	Sched	Hagris	8	61	16.5	16.9	17.3	17.7	18.2	18.6	19.0	19.4	19.8		30
Composite Roof Span of 6'	18.1	18,4	18.7	19.0	192	19.5	19.8	20.0	20.3	20.5		12	Schedule for Solid Roof / Screen Enclosure Combo		Heights may be interpolated, but not extrapolated	Composite Roof Span of 14	8.7	5.7	10.7	31.6	12.6	13.6	14.5	16.4	17.4		12	ule for	Heights may be interpolated, but not extrapolated	Composite Roof Span of	15.9	16.3	16.7	17.1	17.5	18.0	18.4	18,8	19.2	19.6		n
e Roof	18.0	18.3	18.6	18.8	19.1	19.4	19.6	19,9	20.2	20.5		24	Solid		epolated, I	Roof S	8.5	5.5	10.5	11.4	12.4	13.4	143	16.2	17.2		14	Solid	espoiated	e Roof	15.7	16.1	16.5	16.9	17.3	17.8	18.2	16.6	18.0	19.4	1 -	14
Soon o	17.9	18.2	18.4	18.7	19.0	19.2	19.5	15.0	2.1	20.3	Maximum.	35	Roof /		out not ext	pan of	8.3	9.3	10.3	11.2	122	13.2	# E	16.0	17.0	Maximum I	2.6	Roof /	but not ex	Span o	15.5	15.9	16.3	16.7	17.1	17.6	18.0	18.4	18.8	192	12	96
6'	17.8	18.6	18.3	18.5	18.8	19.1	19.4	19.7	19,9	20.2	Height (FL)	18	Screer		rapolated.	14'	1.3	9.1	10.1	11.0	12.0	13.0	13	15.8	16.8	Height (FL)	2.8	Screen	trapolated	19	15.3	15.7	16.1	16.5	16.9	17.4	17.8	18.2	18.6	3.81	18	H
	17.5	17.9	18.2	18.4	18,7	19,0	19.2	19.5	19.8	20.1	9	Я	Enclo				7.9	8.6	5.6	10.8	11.8	12.8	13.7	15.6	16.6	,	20	Enclo	-		15.1	15.5	15.9	16.3	16.7	17.2	17.6	18.0	18.4	18,8	1	8
	17.5	17.8	18.0	18.3	18.5	18.8	19.1	15.4	19.7	19.9		22	sure C				7.7	8.7	9,7	10.6	11,6	12.6	13 T	15.4	16.4		22	sure C			14.9	15.3	15.7	16.1	16.5	17.0	17.4	17.8	18.2	18.6		n
	17.4	17.6	17.9	18.2	10.4	18.7	19.0	19.3	19.5	15.2		24	ombo				7.5	8 15	5.5	10.4	11.4	124	20 20	15.2	16.2		24	ombo			14.7	15.1	15.5	15.9	16.3	16.8	17.2	17.6	18.0	18.4		×
	17.2	17.5	17.8	18.0	18.3	18.5	18.5	19.1	19.4	19.7		26					7.3	8.3	5.3	10.2	11.2	12.2	100	15.0	16.0		×				14.5	14.9	15.3	15.7	16.1	9.34	17.0	17.4	17.8	18.2		26
																	Coli	umr	Tri	buta	ry W	ldth	Space	ing	Ft)						1	0-1		Trib					-1		7	
	0	Colu	nn 7	Tribi	utar	w	idth	Space	Ing	(F1)	10	1	1		1											養	THE R					1	- 1					T			1	H
	0	T	T		I	Ī	idth 3	T			上海中人 法教徒的	Screen Road Tribatory Width  F	3x3x0.092				26	24	22	26		8 7	12	16		長衛 人名米里德伊藏	Green Roof Tellustery Width (H)	3x3x0.060 Co				8	24	z	8 =	: *	1	: 4	16		Access from Sopor	went Roof Telbatury Width [Ft]
		2 7	2 22	3 2	2 2		T	12	16		上海 一次 一次 大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大大	Serron Reaf Tellutary Welth  FQ 8	3x3x0.092 Colum									16 11.7		16 15.5	8 16.7	を できる	reen Roof Tributory Walth (Fs) B	3x3x0.060 Column :		The second secon				22 14.1							September 1	wen Roof Telbanary Width [Fi] 8
۵	20 10.1 10.1	26 454	27	27.7	2	100	* 3	12 192	16 19.7	8 20.1	上海中国的一种政治的	1	3x3x0.092 Column Sche	a cufact		Com	5.5	6.8	8.0	20	10.5		14.2			(大学)の以下では (大学)	reen Roof Tributtery Width (Ft) 8 10	3x3x0.060 Column Schedu		Heights	Con	12.7	13.4		100	16.10	16.8	17.5	18.2	18.5	学者を	
Composi	20 10.1 10.1	26 151 150	22 11.0 16.0	20 17.5 16.5	10 1125 11.1	1000 1011	16 183 189	12 192 191	10 19.7 19.5	8 20.1 20.0	上班等的一次要求的公司		3x3x0.092 Column Schedule for	changes may be una	History was be been	Composite	5.6 5.4	9.9 8.8	8.0 7.8	93	10.5 10.3	11.7	142 14.0	3731	16.7	<b>北京の水下標を数</b>	reen Roof Tellurary Width (Fe) 8 10 12	3x3x0.060 Column Schedule for		Holgris may be into	Composite	127 125	13.4 13.2	H. 1	200	16.0	16.2 16.5	17.5 17.3	18.2 18.0	18.5 18.7	National Science of the Control of t	
Composite Roof	20 10.1 10.1	26 454 456 452	22 17.0 16.0 16.7	20 17.5 17.1	10 11/2 11/1 11/2	1000 1001	16 183 189	12 192 191 19.0	16 19.7 19.5 19.4	8 20.1 20.0 19.5	上次有外目的教育的社會	25	3x3x0.092 Column Schedule for Solic	regions and on analysis of	Heights may be belonged by	Composite Roof S	5.5 5.4 5.2	5.8 6.6 E.4	8.0 7.8 7.6	9.3 9.1 8.9	10.5 10.3 10.1	117 115	14.2 14.0 13.8	15.5 15.3	16.7 16.5	The second secon	ren Rod Tobatory Width (Ft) 8 10 12 14	3x3x0.060 Column Schedule for Solid F		Heights may be interpolated.	Composite Roof S	127 125 123	13.4 13.2 13.0	14.1 13.9	100 100 101	16.2 16.0 15.8	16.6 16.6 16.4	17.5 17.3 17.1	16.2 18.0 17.8	18.5 18.7 18.5	All possession	
Composite Roof Span o	20 10.1 10.1	26 150 150 150 157	22 17.0 16.0 16.7 16.0	20 17.5 17.5 17.1 17.1	10 11/2 11/1 11/2 11/2	1000 1011 1111	16 183 183 181 170	12 19.2 19.1 19.0 18.8	10 19.7 19.5 19.4 19.3	8 20.1 20.0 19.5 19.7	Maximum Maximum	\$ 20 22	3x3x0.092 Column Schedule for Solid Roof	services and the services of the services	History was be interested by not only	Span o	5.6 5.4 5.2 5.0	5.8 6.6 6.4 6.2	8.0 7.8 7.6 7.4	93 91 8.9 8.7	10.5 10.3 10.1 9.9	117 115 113	14.2 14.0 13.8 13.5	15.5 15.3 15.1	16.7 16.5 16.3	Maximum H	Tean Roof Tributory Width [Ft] 8 10 12 14 16	3x3x0.060 Column Schedule for Solid Roof / S		Holghts may be interpolated, but not extra	Roof Span of	12.7 12.5 12.3 12.1	13.4 13.2 13.0 12.8	14.1 13.9 13.7	100 100 101 14.3	152 150 150 156	16.8 16.6 16.4 16.2	17.5 17.3 17.1 16.5	18.2 18.0 17.8 17.6	18.5 18.7 18.5 18.3	Maximum	20 22
Composite Roof Span of 10'	20 123 132 132	26 151 150 152 157 165	22 17.0 16.0 16.7 16.6 16.4	20 17.5 17.1 17.1 17.5 17.1	16 17.5 17.7 17.5 17.5 17.5	100 Int. 11.0	16 183 183 181 170	12 19.2 19.1 19.0 18.8 18.7	16 19.7 19.5 19.4 19.3 19.1	8 20.1 20.0 19.9 19.7 19.6	1 2	3 20 22 24 26	3x3x0.092 Column Schedule for Solid Roof / Scree	under such on unabounder out and employment	Heights may be interreduced but not extraordised	Composite Roof Span of 18'	5.5 5.4 5.2 5.0 4.8	6.8 6.6 E.4 6.2 6.0	8.0 7.8 7.6 7.4 7.2	93 9.1 8.9 8.7 8.5	10.5 10.3 10.1 9.9 9.7	117 115 113 111	14.2 14.0 13.8 13.5 13.4	15.5 15.3 15.1 14.9	16.7 16.5 16.3 16.1 15.9	Maximum Height (Ft)	F 10 12 14 16	3x3x0.060 Column Schedule for Solid Roof / Screen		Heights may be interpolated, but not entrapolated	Composite Roof Span of 10'	127 125 123 121 11.5	13.4 13.2 13.0 12.8 12.6	14.1 13.9 13.7 13.5	100 100 101 142 14.7	162 160 150 156 154	16.8 16.6 16.4 16.2 16.0	17.5 17.3 17.1 16.5 16.7	16.2 16.0 17.6 17.6 17.4	18.5 18.7 18.5 18.3 16.1	Maximum Ho	# 36 31 34 B
	201 1/21 0/21 2/21	26 161 166 162 16.7 165 162	22 17.0 16.0 16.7 16.6 16.4 16.3	20 17.5 17.5 17.1 17.1 18.5 18.6	16 17.5 17.1 17.6 17.5 17.5 17.2	100 Inc. 110 110 110	16 183 187 181 170 178 177	12 192 191 190 188 187 186	16 19.7 19.5 19.4 19.3 19.1 19.0	8 20.1 20.0 19.5 19.7 19.6 19.5	Maximum Height (FL)	3 20 22 24 26	3x3x0.092 Column Schedule for Solid Roof / Screen Enck	region may be enaplement out not enaplement	Heights may be interested but not extraodised	Span o	5.5 5.4 5.2 5.0 4.8 4.5	6.8 6.6 6.4 6.2 6.0 5.8	8.0 7.8 7.6 7.4 7.2 7.6	9.3 9.1 8.9 8.7 8.5 8.3	10.5 10.3 10.1 9.9 9.7 9.5	117 115 113 111 105	14.0 13.8 13.6 13.4 13.2	15.5 15.3 15.1 14.9 14.7	16.7 16.5 16.3 16.1 15.9	ight (FL)	F 10 12 14 16			but not extra	Roof Span of 1	127 125 123 121 11.5 11.7	13.4 13.2 13.0 12.8 12.6 12.4	HA1 13.9 13.7 13.5 13.3	100 100 101 101 100 100	152 150 158 156 15.4 15.2	16.6 16.6 16.4 16.2 16.0 15.8	17.5 17.3 17.1 16.5 16.7 16.5	16.2 18.0 17.8 17.6 17.4 17.2	16.5 16.7 16.5 16.3 16.1 17.9	Maximum Holgh (FL)	2 20 22 34 35
	20 16.1 19.3 19.0 19.7 19.3 19.4	26 151 150 152 157 155 157 150	22 17.0 16.0 16.7 16.6 16.3 16.3 16.2	20 1/4 1/2 1/1 1/1 1/2 1/3 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5 1/5	16 173 177 175 175 175 175 175 175		16 183 187 181 170 173 177 175	12 192 191 190 18.8 18.7 18.5 18.4	16 19.7 19.5 19.4 19.3 19.1 19.0 18.9	8 20.1 20.0 19.5 19.7 19.6 19.5 19.3	1 2	4 10 12 14 16 18	3x3x0.092 Column Schedule for Solid Roof / Screen Enclosure C	under making strationalist on an existing on	Mindle may be interested but not extraordized	Span o	5.5 5.4 5.2 5.0 4.8 4.5 4.4	6.8 6.6 6.4 6.2 6.0 5.8 5.5	8.0 7.8 7.6 7.4 7.2 7.0 6.8	93 9.1 8.9 8.7 8.5 83 8.1	10.5 10.3 10.1 9.9 9.7 9.5 9.3	117 115 113 111 105 107	142 14.0 13.8 13.5 13.4 13.2 13.0	15.5 15.3 15.1 14.9 14.7 14.5	16.7 16.5 16.3 16.1 15.9 15.7	ight (FL)	F 10 12 14 16			but not extra	Roof Span of 1	127 125 123 121 11.5 11.7 11.5	13.4 13.2 13.0 12.8 12.E 12.4 12.2	14.1 13.9 13.7 13.5 13.3 13.1	100 100 101 142 H. H. H.	162 160 158 154 152 150	16.0 16.6 16.4 16.2 16.0 15.8 15.6	17.5 17.3 17.1 16.5 16.7 16.5 16.3	16.2 18.0 17.8 17.6 17.4 17.2 17.0	16.5 16.7 18.5 16.3 16.1 17.5 17.7	Maximum Height (FL)	8 30 32 34 34 39
	20 10.1 10.0 10.7 10.0 10.4 10.0	26 151 150 152 157 155 157 155 157 155	22 1/2 16.0 16./ 16.0 16.3 16.2 16.0	20 17.4 17.5 17.1 17.4 18.5 18.5 18.5 18.5	16 173 177 17.5 17.5 17.5 17.7 17.7 15.8	100 101 101 110 110 110	46 483 482 184 176 178 177 176 174	12 19.2 19.1 19.0 18.8 18.7 18.5 18.4 18.3	16 19.7 19.5 19.4 19.3 19.1 19.0 18.9 18.8	8 20.1 20.0 19.5 19.7 19.6 19.5 19.3 19.2	1 2	2 20 22 24 25 29 20	Column Schedule for Solid Roof / Screen Enclosure Col	region and or analogous or on an endersoner	Heider man be internalised by not extraodised	Span o	5.5 5.4 5.2 5.0 4.8 4.5 4.4 4.2	6.8 6.6 6.4 6.2 6.0 5.6 5.6 5.4	8.0 7.8 7.6 7.4 7.2 7.0 6.8 6.6	93 91 8.9 8.7 8.5 8.3 8.1 7.9	10.5 10.3 10.1 9.9 9.7 9.5 9.3 9.1	117 115 113 111 105 107 105	142 14.0 13.8 13.5 13.4 13.2 13.0 12.8	15.5 15.3 15.1 14.9 14.7 14.5 14.3	16.7 16.5 16.3 16.1 15.9 15.7 15.5	ight (FL)	F 10 12 14 16	3x3x0.060 Column Schedule for Solid Roof / Screen Enclosure Combo		but not extra	Roof Span of 1	127 125 123 121 11.5 11.7 11.5 11.3	13.4 13.2 13.0 12.8 12.6 12.4 12.2 12.0	14.1 13.9 13.7 13.5 13.3 13.1 12.5	100 100 101 101 100 100 100 100 100 100	162 160 158 156 15.4 15.2 15.0 14.8	16.6 16.6 16.7 16.0 15.8 15.6 15.4	17.5 17.3 17.1 16.5 16.7 16.5 16.3 16.1	18.2 18.0 17.8 17.6 17.4 17.2 17.0 16.8	18.5 18.7 18.5 18.3 18.1 17.5 17.7 17.5	Maximum Pholyti (FL)	8 30 32 36 36 39 20

Note:
1) All aluminum frame member tables shown are calculated for exposure 6 type terrain. If exposure C is needed, then use the multipliers as follows: With a height range of [0\*.15: multiply span by 0.83], [15\*.20\*: multiply span by 0.78], [20\*.25\*: multiply span by 0.74], [25\*.30\*: multiply span by 0.71].

Column Tributary Width Spacing (Ft)

3X3X0.125 Column Scheduk for Solid Roof / Screen Enclosure Combo

×

Column Tributary Width Spacing (Ft)

	_	_	_	M	amb	er T	me	-	_	-	1		_		_		M	emb	or Ty	pe	_			L	
	2x9 TFB	2x7 TFB	2x5 TFB	2x10 SMB	2x9 SMB	2x8 SMB	2x7 SMB	2x6 SMB	2x5 SMB	2x4 S M B	(Surpregnition)	Screen Boof February Width		2x9 TFB	2x7 TFB	2x5 TFB	2x10 SMB	2x9 SMB	2x8 SMB	2x7 SMB	2x6 SMB	2x5 SMB	2x4 SMB	さいちょうしょう 大変	Serven Roof Telluctury Width
	24.5	19.2	16.2	28.2	22.1	20.5	17.1	15.4	11.3	8.9		oj.		27.7	21.7	16.3	31.9	25.0	23.6	193	17.4	125	10.1		8
	23.7	18.6	15.5	27.4	21.5	20.4	16.5	14.8	10.3	8.3		10'		26.6	21.0	17.5	31.0	24.3	23.1	18.6	16.7	11.6	94		10
Composite Roof Span of 10'	23.1	18.1	15.1	26.8	21.2	15.9	15.8	14.5	9.7	7.8		12"	Composite Roof Span of 6	26.1	20.5	17.1	30.3	24.0	225	17.9	16.4	11.0	8.6		17
site Roc	22.6	17.7	14.7	26.3	20.8	19,4	15.4	14.1	9.2	7.4		14'	ite Roo	DX.	20.0	16.6	29.7	23.5	21.9	17.4	159	10.4	60.4		14"
of Span	22.2	17.2	14.3	25.5	202	18.8	15.2	13.7	8.8	7.1	Effective	16'	f Span	1X	19.4	162	28.3	22.8	212	172	15.5	9.9	8.0	Effective Span (Pt.)	36
of 10'	21.8	16.5	14.0	25.4	15.5	18.5	14.8	13.4	8.4	6.8	Effective Span (FL)	28'	of 6'	24.6	19.1	15.8	26.7	220	20.9	16.7	151	8.8	7.7	Span (FL)	18
	21.2	16.4	13.6	24.7	19.1	18.1	14.5	13.2	8.0	6.5	J	20'		24.0	16.5	15.4	27.9	21.6	20.5	16.4	14.9	9.0	7.3		207
	20.7	15.9	13.1	24.1	18.7	17.8	14.1	12.8	7.3	6.0		22"		23.4	18.0	14.6	27.2	21.1	20.1	15.9	14.5	6.2	6.8		22"
	20.1	15.5	12.8	23.4	18.1	17.2	13.7	12.2	8.8	CM CM		24"		227	17.5	14.5	26.4	20.5	19.4	15.5	13.8	7.7	6.2		24"
	19.8	15.0	12.2	22.9	17.4	16.7	13.1	11.4	6.3	5.2		26"		224	17.0	13.6	25.9	18.7	16.9	14.00	129	7.1	5.9		26

	224		17.0	13.6	25.9 13.6	18.7 25.9 13.6	18.9 19.7 25.9 13.6	7 2 2 3 3 4 4	129 148 169 197 259 136	7.1 12.9 14.8 18.9 19.7 25.9 13.6	5.9 7.1 12.9 14.8 18.1 19.1 19.1	58 7.1 72 78 78 77.1
	24	0		3.6								
	_				П			Member Type				
	249 1718	2x7 THB	37 200	2x5 TFB	2x10 SMB 2x5 TFB	2x9 SMB 2x10 SMB 2x5 TFB	2x8 SMB 2x9 SMB 2x10 SMB 2x5 TFB	2x7 SMB 2x8 SMB 2x9 SMB 2x10 SMB 2x5 TFB	2x6 SMB 2x7 SMB 2x8 SMB 2x8 SMB 2x9 SMB 2x10 SMB 2x5 TFB	2x5 SMB 2x6 SMB 2x7 SMB 2x8 SMB 2x8 SMB 2x9 SMB 2x10 SMB 2x5 TFB	2x4 SMB 2x5 SMB 2x6 SMB 2x7 SMB 2x7 SMB 2x8 SMB 2x8 SMB 2x9 SMB 2x10 SMB 2x10 SMB 2x5 TFB	2x4 SNB 2x5 SNB 2x6 SNB 2x6 SNB 2x7 SNB 2x7 SNB 2x8 SNB 2x8 SNB 2x8 SNB 2x8 SNB 2x8 SNB
21.0	2	17.1	14.4		251	197	18.6	152 186 187 251	137 152 186 187 251	9.9 13.7 15.2 18.6 18.7 25.1	7.9 8.9 137 15.2 18.6 18.7 25.1	7.9 9.9 137 152 186 197
	21.1	16.6	13.6	-	24.4	191	162	147 182 191 244	13.2 14.7 18.2 18.1	9.2 13.2 14.7 18.2 18.1	7.4 9.2 13.2 14.7 16.2 18.1	7.4 9.2 13.2 14.7 16.2 19.1 24.4
	20.6	16.1	33.4		239	239	18.9 23.9	17.7 18.9 23.9	12.9 14.1 17.7 18.9 23.9	129 141 177 188	6.9 8.6 12.9 14.1 17.7 18.9	6.6 6.6 12.9 14.1 17.7 18.8
	20.1	15.8	13.1	*	23.4	23.4	17.3 18.5 23.4	127 17.3 18.5 22.4	12.5 13.7 17.3 18.5	82 125 137 173 185 234	5.6 8.2 12.5 13.7 17.3 18.5 23.4	5.6 8.2 12.5 13.7 17.3 18.5 23.4
	19.8	153	127		231	18.0 23.1	16.7 16.0 23.1	13.5 16.7 18.0 23.1	122 135 167 180 231	7.8 12.2 13.5 16.7 18.0 23.1	7.8 7.8 12.2 13.5 16.7 18.0 23.1	63 7.8 122 13.5 16.7 16.7 16.0 23.1
	19.4	15.0	12.5		22.6	77.4	15.5 17.4 22.6	13.2 16.5 17.4	13.2 15.5 17.4	7.5 11.9 13.2 16.5 17.4	7.5 7.5 11.9 13.2 16.5 77.4	Efficeive Span (FL) 6.3 6.1 7.8 7.5 722 11.9 13.5 13.2 16.7 16.5 18.0 17.4 23.1 22.6
	18.9	14.6	121		220	17.0	16.1	12.9 16.1 17.0 22.0	11.7 12.9 16.1 17.0	7.1 11.7 12.9 16.1 17.0	5.8 7.1 11.7 12.9 16.1 17.0 22.0	
	18.4	14.2	11.7		21.4	76.6	158 166 21.4	12.5 15.6 16.6 21.4	11.4 12.5 16.6	11.4 12.5 15.6 21.4	5.3 6.5 11.4 12.5 15.8 16.6	5.3 6.5 11.4 12.5 15.8 21.4
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Column Tributary Width Spacing (Ft)

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Column Tributary Width Spacing (Ft)

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 Macronum Height (Pru)
 Macronum Height (Pru)
 Template 
Composite Roof Span of 14'

3x3x0.092 Column Schedule for Solid Roof / Screen Enclosure Combo

26

3x3x0.092 Column Schedule for Solid Roof / Screen Enclosure Combo

Carry		2x9 TFB	2x7 THB	2x5 TFB	SMS OLY
Carry Beam Schedule for Solid Roof / Screen Enclosure Combo		21.8	17.1	14.4	100
chedu	0	21.1	16.6	13.6	24.4
le for S	Composite Roof Span of 14'	20.6	161	13.4	877
olid Ro	ite Roo	20.1	15.B	13.1	23.4
of/Sc	Span	19.8	153	127	737
reen E	of 14"	19.4	15.0	125	22.6
nclosu		18.9	14.6	121	0.77
re Con		18.4	14.2	11.7	21.4
D D		17.9	13.5	11.4	20.0
		17.6	13.4	10.9	20.4

				М	mb	er Ty	/pe					
	269 11-88	2×7 TFB	245 THB	2x10 SMB	2x9 SMB	2x8 SMB	2x7 SMB	2x6 SMB	2x5 SMB	2x4 SMB	THE PROPERTY OF	Screen Roof Tributary Width
	19.4	15.2	128	223	17.5	16.5	13.5	122	8.8	7.0		q
,	18.7	147	122	21.6	17.0	16.1	130	11.7	8.1	5.6		16
Composite Roof Span of 18	162	143	119	21.2	167	15.7	125	11.5	7.7	6.2		17
ite Roo	17.9	14.0	11.6	20.8	16.4	15.3	122	11.1	7.3	5.8		14"
Span	17.5	13.6	11.3	20.5	16.0	14.9	120	10.8	7.0	5.6	Effective	16
of 18'	172	13.4	11.1	201	15.4	14.6	11.7	30.6	6.6	5.4	Effective Span (PL)	16
	167	13.0	10.7	19.5	151	143	11.5	10.4	6.3	5.1	8	20"
	16.4	126	103	19.0	14.6	141	111	10.1	5.8	4.7		22"
	15.9	222	10.1	ati cn	#3	13.6	70.8	3.8	5.4	43		24
	15.6	11.9	9.6	18.1	137	132	10.3	9.6	5.0	41		26

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GENERAL NOIES 9 KALLOWABLE CALLOWABLE CALLOWABLE ALLOWABLE LOAD (PSF) 4 9. 10 ALLOWABLE LOAD (PSF) ALLOWABLE WN X Panels with fan beams shall be considered equivalent to similar panels without fan beams. Design professionals may include 06-2107, HETI-05-1987, HETI-06-2069, HETI-06-2070, HETI-06-2071, HETI-05-1994, HETI-05-1991, HETI-06-2072, HETI-06-2073, HETI-06-2074, HETI-05-1996, HETI-05-1989, HETI-05-1993, HETI-05-1985, HETI-05-1995, HETI-05the strength of the fan beam to exceed shown figures as part of site-specific engineering 05-2036, HEII-05-2031, HEII-05-2038, HEII-05-2065, HEII-05-2040, HEII-05-2042 Testing has been conducted in accordance to ASTM E72-05: Strength I est of Panels for Building Construction Reference test reports: HEII-05-1988, HEII-06-2104, HEII-06-2066, HEII-06-2105, HEII-06-2067, HEII-05-1002, HEII-Safety factor of 20 has been use to develop allowable loads and spans from testing in accordance to the Guidelines for The designer shall determine by accepted engineering practice the allowable loads for site specific load conditions (including load combinations) using the data from the allowable loads tables and spans in this approval

Deflection limits and allowable spans have been listed to meet 2007 FBC including the HVHZ. In HVHZ, this product shall be Composite panels shall be constructed using type 3003-H154 aluminum facings, 1 or 2 PCF ASIM C-578 carpenter brand EPS adhere to aluminum facings with Ashland Chemical 2020D ISO grip Fabrication to be by Elite panel products only in accordance with approved fabrication methods

Elite roof panels maintain a UL 1715 (int) class 'B' (ext) rating and are NER-501 approved. Linear interpolation shall be allowed for figures within the tables shown used in structures "not to be considered living areas" per Section 1613 unless impact resistance in accordance to the HVHZ 1990, HETI-05-1997, HETI-05-2037, HETI-05-2029, HETI-05-2039, HETI-05-2030, HETI-05-2041, HETI-05-2048, HETI-Aluminum Structures Part 1 and conforms to the 2007 FBC Chapter 16 and 20. Section 2603. All local building code amendments shall be adhered to as required Code, composite panels comply with Chapter 7 Section 719, Chapter 8 Section 803, Class A interior finish, and Chapter 26 This specification has been designed and shall be fabricated in accordance with the requirements of the 2007 Florida Building 8 7 6 50 50 50 40 0024 0024 0024 x PANE × × CLEAR 15.13 13.34 12.10 MAX MAX 10.97 9.92 9.13 8.52 15.01 /80 MAX ALLOWABLE SPAN (FT) /80 CLEAR CLEAR SPAN CHARTS) 6.81 /80 7,40 ALLOWABLE SPAN (FT) 1 ALLUWABLE L/120 H 9.85 13.34 12.10 SPAN B 21.24 15.01 12.50 10.97 9.92 9.13 10.78 9.22 8.17 SPAN SPAN 6.39 SPAN B EPS EPS L/180 17.17 L/180 15.13 13.34 12.10 9.44 7.51 5.58 3.64 15.01 12.50 3.79 6.60 12.22 CHARTS) SPAN (FT) CHARTS) PANELS PANELS PANELS TABI L/240 13.34 10.91 8.43 5.95 18.06 13.95 11.38 3.64 10.35 2.85 8.80 14.10 S (ALLOWABLE 6 (ALLOWABLE ALLOWABLE LOAD (PSF) 4 (ALLOWABLE ALLOWABLE LOAD (PSF) LOAD (PSF) ALLOWABLE Shown for information purposes only 8 7 8 8 8 8 8 80 70 50 30 20 20 20 40 30 50 0032 0.032 0 032 X × × 25.10 20.86 19.62 CLEAR CLEAR SPAN MAX ALLOWABLE SPAN (FT) 98 10.75 /80 CLEAR 7.80 0.50 ALLOWABLE SPAN (FT) ALLOWABLE SPAN (FT) 13.72 R SPAN 21.63 20.05 18.47 16.89 17.49 LB 8.36 6.46 4.56 14.06 12.16 10.26 B EPS SPAN L/180 L/240 2011 19.24 19.42 17.02 14.62 12.22 9.82 7.42 L/180 7180 14.87 9.62 2.66 14.06 11.21 8.36 5.51 7.00 4.38 CHARTS) PANELS CHARTS) CHARTS PANELS PANELS 23.42 15.96 17.02 20,22 8.36 4.56 CALLOWABLE (ALLOWABLE 4" (ALLOWABLE W ALLOWABLE LOAD (PSF) ALLOWABLE LOAD (PSF) × 0024 80 20 20 30 20 0 024 0024 (PSF) HOST STRUCTURE 23.93 23.20 22.47 L/80 MAX L/80 MAX 18.36 17.16 2 - LI CLEAR 12,87 15.49 MAX 2 - L CLEAR 2 - LB EPS CLEAR SPAN 15.96 9.57 08/ ALLOWABLE SPAN (FT) ALLOWABLE ALLOWABLE SPAN (FT) ENGINEER OF RECORD TO PROVIDE FOR ROOF CONNECTIONS & SUPPORTING STRUCTURE DETAIL BY THIS OR ANY OTHER ENGINEER 23.93 23.20 22.47 21.75 21.02 20.29 LB EPS PANELS R SPAN CHARTS) 18.36 17.16 15.96 14.75 13.55 20.77 17.66 LB LB 15.06 ALUMINUM BOTTOM FACINGS SPAN EPS EPS PANELS SEAL JOINT WITH L/180 21.33 20.49 14.89 19.86 18.21 19.64 12.46 10.51 SPAN (FT) CLEAR SPAN (L) INSIDE TO 180 CHARTS PANELS CHARTS) 00000 EPS ROOF PANEL/ SPAN OOOOOOOOOOOO 100000mg000000 22.46 21.33 20.20 19.07 17.94 12.13 9.93 7.72 14.34 15.06 7.26 9.86 INTERLOCKING CROSS SECTION BY PANE DEPTH KALLOWABLE 6 CALLOWABLE (ALLOWABLE ALLOWABLE LOAD (PSF) LOAD (PSF) ALLOWABLE ALLOWABLE ADD THICKNESS OF WALL FOR TOTAL PANEL SPAN INSIDE EPS × X 40 30 8 7 6 8 7 8 8 80 70 80 80 CORE 1LB OR 0 0 3 0 0 030 0 030 24.90 24.90 23.65 22.94 22.23 21.53 20.82 20.82 20.11 DEPTH -780 /80 20.11 19.02 17.93 16.83 15.74 14.64 13.55 MAX ALLOWABLE SPAN (FT) 23.64 22.57 21.51 20.45 19.39 17.26 2 - L CLEAR ESCRIPTION 2 - LB EPS CLEAR SPAN MAX ALLOWABLE SPAN (FT) MAX ALLOWABLE SPAN (FT) 2 - L CLEAR SLB L/120 24.00 23.65 22.94 22.94 22.94 22.93 21.53 20.82 20.82 19.40 18° R SPAN I LB 17.58 16.35 15.12 13.89 12.66 11.43 000 SPAN MAX IN FRONT & 25%.
PANEL WIDTH @ SIDES DH L/180 L/240
24.17 24.17
23.41 23.11
21.90 21.01
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18.88 16.80
17.37 14.70
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14.35 10.49 24.00 23.34 22.59 21.85 21.10 20.36 19.61 18.87 17.58 15.73 13.89 12.05 10.21 8.36 6.52 /180 CHARTS) CHARTS) PANELS CHARTS) 16.35 13.89 13.89 11.43 8.97 6.52 4.06 1.60 ./240 23.84 22.84 21.85 20.85 19.86 19.86 118.87 116.88 OPTIONAL
ORIP CAP Drawing No. - FL-1001 CHECKED BY: 0 1 0 Elite Aluminum Corporation CONSULTING STRUCTURAL ENGINEERS ASSOCIATES, LLC B/26 2008 9/21 2006 U 4650 Lyons Technology Parkway SHEET 1 OF 1 PO BOX 10039 Tampa, FL 33679 Tel: (813) 374-0321 Fax: (813) 374-0322 9-3-08 Coconut Creek, FL 33073 PRODUCT APPROVAL APPROVAL Description X Z DYK

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9/19/06 EPS FOAM CORE COMPOSITE PANELS ALUMINUM/ALUMINUM SKIN FLORIDA STATEWIDE PRODUCT APPROVAL