

DATE 01/26/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024080

APPLICANT DAN TRIMBLE PHONE 386.755.5550

ADDRESS 548 SW BRANDY WAY LAKE CITY FL 32024

OWNER DOUGLAS & KIMMY EDGLEY PHONE 752.0580

ADDRESS 447 SW EVA TERRACE LAKE CITY FL 32024

CONTRACTOR DAN TRIMBLE PHONE 754.5550

LOCATION OF PROPERTY SR-247-S TO C-242,TL GO TO EVA TERRACE,TR AND IT'S THE 3RD PROPERTY ON R.

TYPE DEVELOPMENT SCREEN ROOM ENCL ESTIMATED COST OF CONSTRUCTION 5500.00

HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES

FOUNDATION WALLS ROOF PITCH FLOOR

LAND USE & ZONING A-3 MAX. HEIGHT

Minimum Set Back Requirments: STREET-FRONT REAR SIDE

NO. EX.D.U. 1 FLOOD ZONE DEVELOPMENT PERMIT NO.

PARCEL ID 28-4S-16-03234-006 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES

5586

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

EXISTING X-06-015 BLK JTH N

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE

Check # or Cash 1769

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by

Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by

Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by

Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by

Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by

M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 30.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00

MISC. FEES \$ 0.00 ZONING CERT. FEE \$ FIRE FEE \$ 0.00 WASTE FEE \$

FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 30.00

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Prepared by and Return to:

Lake City Lakeside Aluminum

548 SW Brandy Way

Lake City, FL 32024

Permit No. _____

Inst:2006000418 Date:01/09/2006 Time:13:51

DC, P. Dewitt Cason, Columbia County B:1070 P:1517

NOTICE OF COMMENCEMENT FS 713.13

State of Florida

County of Columbia

THE UNDERSIGNED hereby 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 Notice of Commencement.

1. Legal description of property and street address if available: Parcel # 28-45-16-03234-006
SECTION 28, TOWNSHIP 4 SOUTH
RANGE 16 EAST, THE NW 1/4 OF SW 1/4 OF THE NW 1/4.
447 SW EVA TERRACE, LAKE CITY FL 32024

General description of improvement: screen enclosure

2. Owner Information: Name and address:

DOUG & KIMMY EDGLEY, 191 SW TEMPY PL APT 101

LAKE CITY FL 32025

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

Phone number (386) 754-5550 Fax number (optional, if service by fax is acceptable) (386) 755-4063

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. In addition to himself or herself, Owner designates _____ of _____
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 owner _____ Fax
number (optional, if service by fax is acceptable) _____

7. Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified) _____

Kimmy Edgley

Signature of Owner

STATE OF FLORIDA

COUNTY OF Columbia

Sworn to (or affirmed) and subscribed before me this 6th day of JAN, 2005
by Kimmy EDGLEY, who is personally known to me
or who has produced _____ as identification
and who did _____ or did not ☒ take an oath.

Jean Clark
Notary Public (Signature)



JAN CLARK
MY COMMISSION # DD 181635
EXPIRES: March 28, 2007
Bonded Thru Budget Notary Services

Columbia County Building Permit Application

For Office Use Only Application # 0601-48 Date Received 1/18 By JW Permit # 24080
 Application Approved by - Zoning Official BLK Date 1-19-06 Plans Examiner OK JTH Date 1-19-06
 Flood Zone N/A Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments _____

Applicants Name Lake side Aluminum ^{DAN TRIMBLE} Phone (386) 754-5550
 Address 548 sw Brandy way Lake City FL 32024
 Owners Name Doug & Kimmy Edgley Phone _____
 911 Address 447 Eva Terr Lake City FL 32024
 Contractors Name Dan Trimble / Lakeside Alum Phone 754-5550
 Address 548 Brandy way Lake City FL 32024
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address NA
 Mortgage Lenders Name & Address NA

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 28-45-16-03234-006 Estimated Cost of Construction \$5500
 Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions CR-247 south, Left on C.R 242 - Right on sw Eva Terr Third Property on Left.

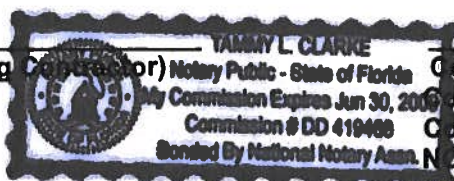
Type of Construction Screen Pool Enclosure Number of Existing Dwellings on Property _____
 Total Acreage _____ Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 70' Side 136' Side 560' Rear 500'
 Total Building Height _____ Number of Stories _____ Heated 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.

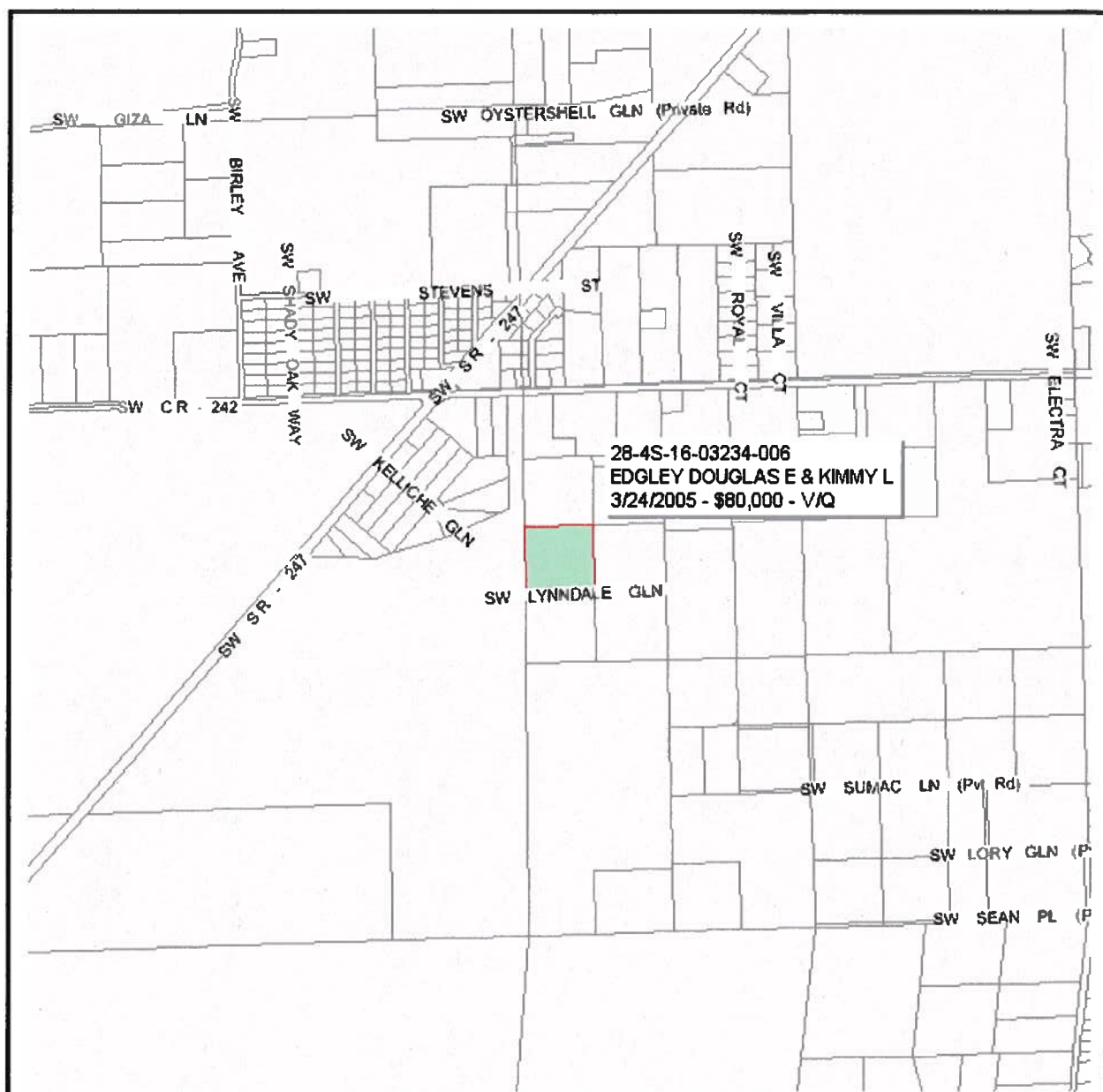
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

[Signature] Owner Builder or Agent (Including Contractor) Notary Public - State of Florida
 STATE OF FLORIDA
 COUNTY OF COLUMBIA
 Sworn to (or affirmed) and subscribed before me
 this 18 day of January 2006.
 Personally known _____ or Produced Identification ✓



[Signature] Contractor Signature
 Contractors License Number _____
 Competency Card Number _____
 NOTARY STAMP/SEAL
[Signature] Notary Signature



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 28-4S-16-03234-006 - NO AG ACRE (009900)

NW1/4 OF SW1/4 OF NW1/4. ORB 868-1222, WD 1031-1402, WD 1041-1482.

Name:	EDGLEY DOUGLAS E & KIMMY L	LandVal	\$53,040.00
Site:		BldgVal	\$0.00
Mail:	191 SW COVEY CT	ApprVal	\$53,040.00
	LAKE CITY, FL 32025	JustVal	\$53,040.00
Sales	3/24/2005 \$80,000.00V / Q	Assd	\$53,040.00
Info	11/16/2004 \$41,000.00V / U	Exmpt	\$0.00
	10/30/1998 \$42,500.00V / Q	Taxable	\$53,040.00

0 0.1 0.2 0.3 mi



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

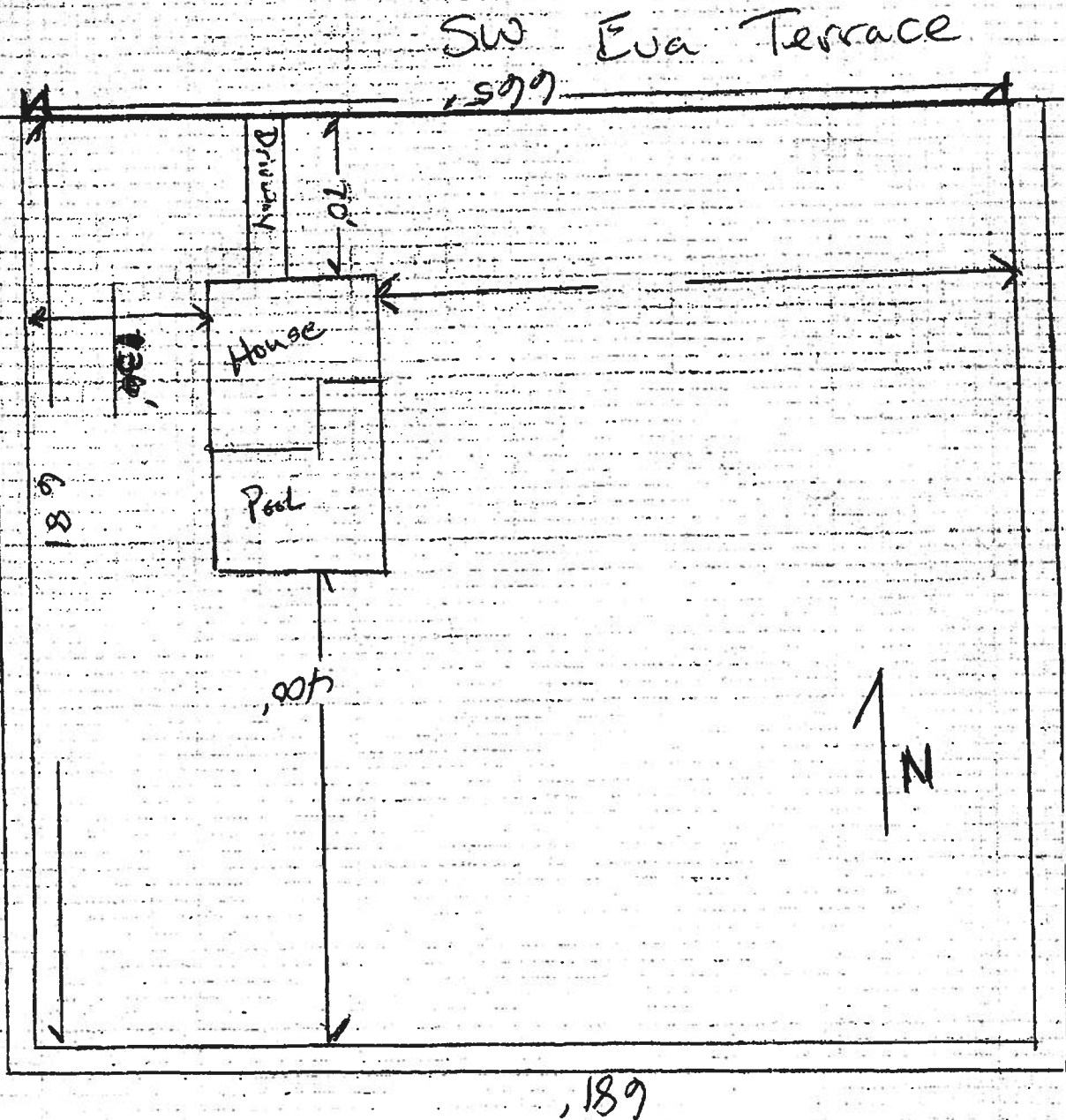
Lakeside Aluminum Inc.

Lake city (386) 754-5550

Fax (386) 755-4063

JOB NAME Edgley - Doug CITY Lake City DATE 1-06-06

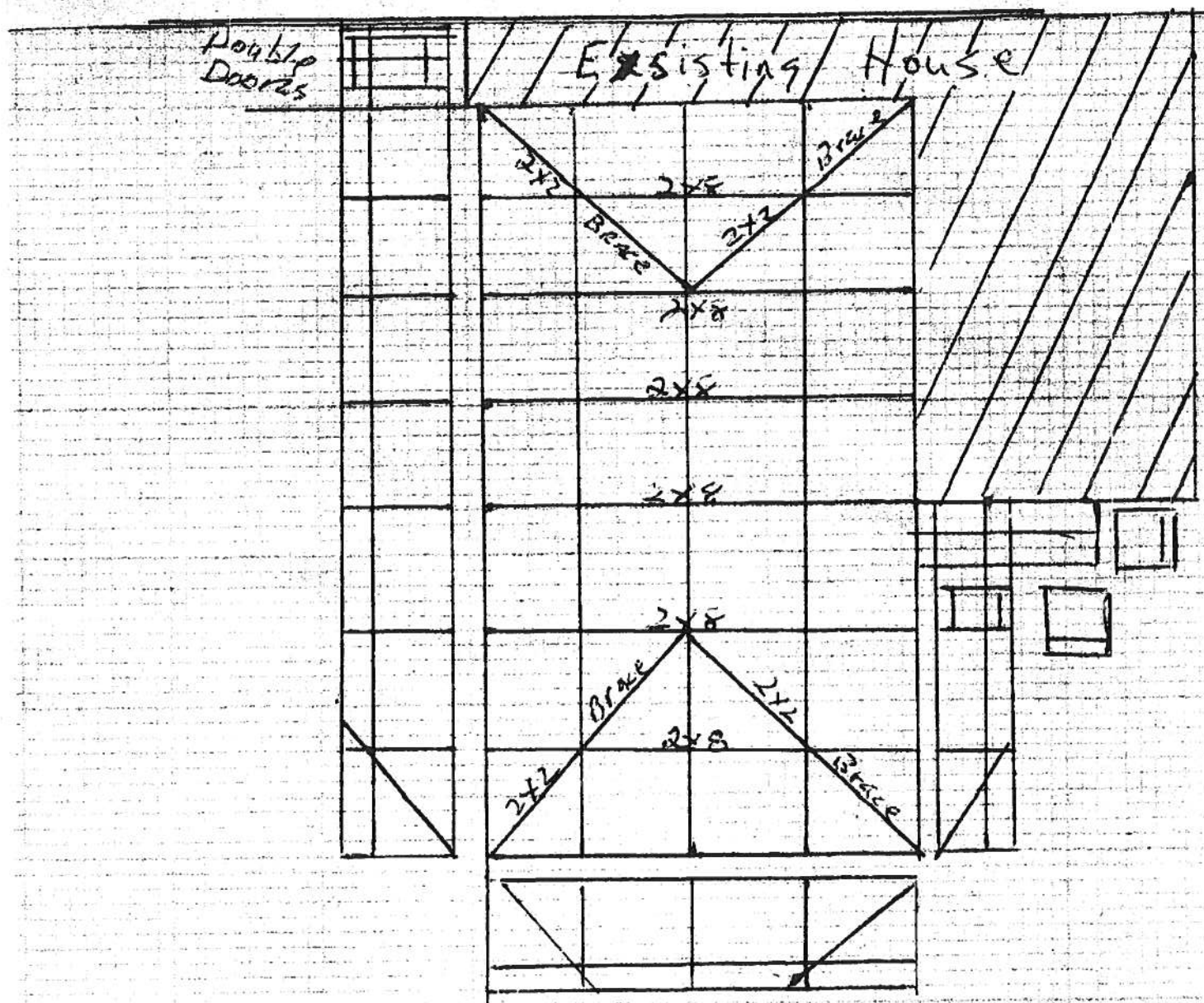
447 SW Eva Terr Lakecity FL 32024



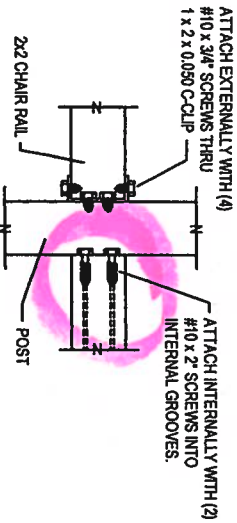
Lakeside Aluminum Inc.

Lake city (386) 754-5550 Fax (386) 755-4063

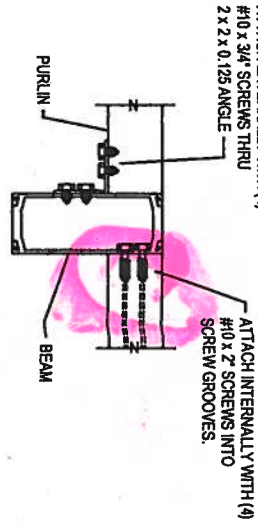
JOB NAME Edgley CITY Lake City DATE 1-16-05



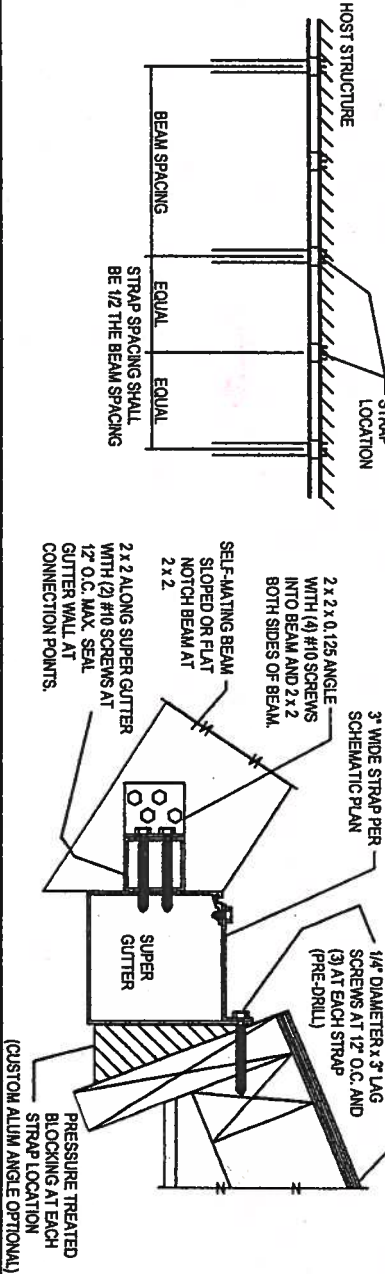
TYPICAL CHAIR RAIL TO POST DETAIL



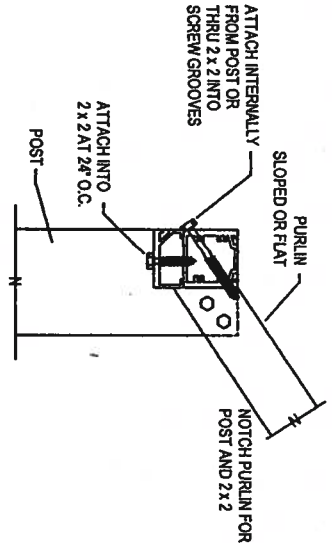
TYPICAL PURLIN AND BEAM DETAIL



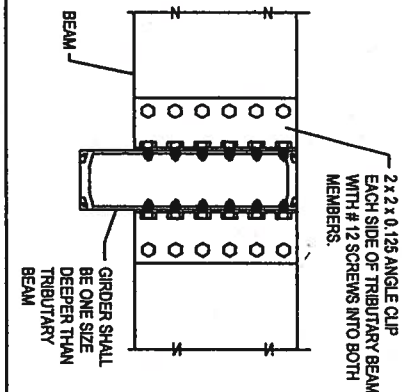
TYPICAL SUPER GUTTER ATTACHMENT SCHEMATIC PLAN AND DETAIL



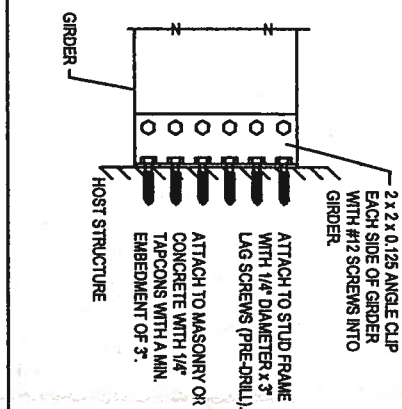
TYPICAL POST AND BEAM DETAIL - SIDE WALL



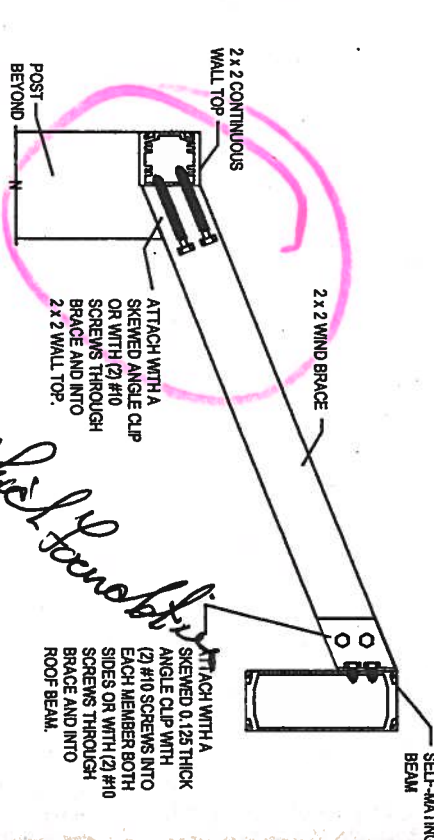
TYPICAL BEAM AND GIRDER DETAIL



TYPICAL GIRDER DETAIL TO HOST WALL



TYPICAL WIND BRACE DETAIL AT ROOF FRAMING



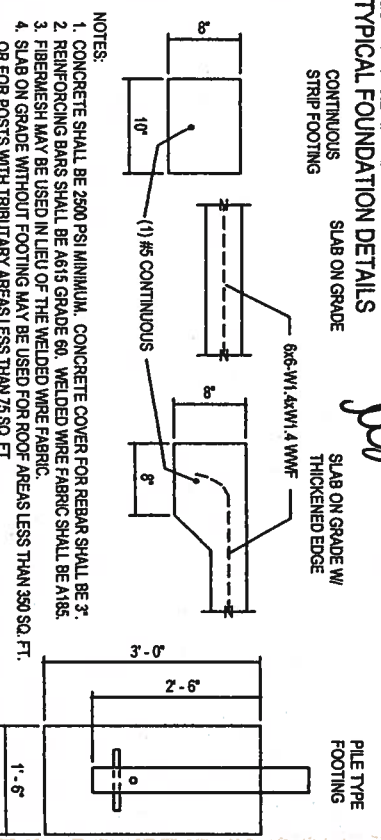
which is beneficial

TYPICAL POST BASE DETAIL

MINIMUM POST SIZE AND # OF SCREWS			
BEAM SIZE	POST SIZE	# 8	# 10
2 x 3	2 x 3	6	4
2 x 4	2 x 3	8	6
2 x 6	2 x 3	10	8
2 x 6	2 x 4	10	8
2 x 6	2 x 4	10	8
2 x 7	2 x 4	14	12
2 x 8	2 x 5	16	14
2 x 9	2 x 6	18	16
2 x 10	2 x 8	22	20

MINIMUM SPACING AND EDGE DISTANCES			
	# 8	# 10	# 12
MINIMUM SPACING	5/8"	3/4"	1"
MIN. EDGE DISTANCE	5/16"	3/8"	1/2"

NOTE: MINIMUM NUMBER OF SCREWS INDICATES THE NUMBER OF FASTENERS ON TWO SIDES OF THE BEAM INTO THE POST.



1. CONCRETE SHALL BE 2500 PSI MINIMUM. CONCRETE COVER FOR REBAR SHALL BE 3\"/>

GENERAL NOTES AND DESIGN CRITERIA:

1. A SCREEN ENCLOSURE IS DESIGNED TO BE ATTACHED TO A PERMANENT BASE HOST STRUCTURE OF ADEQUATE STRUCTURAL CAPACITY.
2. THE HOMEOWNER/CONTRACTOR SHALL VERIFY THAT THE BASE HOST STRUCTURE IS IN GOOD CONDITION AND OF SUFFICIENT STRENGTH TO SUPPORT THE PROPOSED ADDITION BY HIRING A PROFESSIONAL.
3. THE HOMEOWNER/CONTRACTOR SHALL HIRE A QUALIFIED PROFESSIONAL TO VERIFY THE CAPACITY OF THE TYPICAL DETAILS. WILLIAM J. KEIL IS NOT ACTING AS THE ENGINEER OF RECORD FOR THE PROJECT.
4. SITE SPECIFIC ENGINEERING IS REQUIRED FOR STRUCTURES GREATER THAN THIRTY FEET. ROOF SPANS GREATER THAN FIFTY FEET, AND/OR CONDITIONS NOT COVERED BY THE SPAN TABLES.
5. THE 2001 FLORIDA BUILDING CODE IS THE BASIS OF DESIGN. WIND LOADING FOR THE SPAN TABLES IS PER CHAPTER 20, TABLE 2002.4.
6. MAXIMUM PURLIN SPACING IS 7'-0\"/>
7. MEAN ROOF HEIGHT SHALL BE LESS THAN OR EQUAL TO 30 FEET. THE RIDGE OF THE SCREEN ENCLOSURE SHALL NOT EXCEED THE RIDGE HEIGHT OF THE BASE HOST STRUCTURE.
8. THE EXPOSURE CATEGORY IS PER SITE LOCATION. C FOR STRUCTURES ALONG THE COAST AND B FOR ALL OTHERS.
9. THE BASIC WIND SPEED IS LESS THAN OR EQUAL TO 160 M.P.H. THE IMPORTANCE FACTOR IS EQUAL TO 0.77.
10. THE SPANS ARE BASED ON AN OPEN BUILDING ENCLOSURE CLASSIFICATION.
11. THE TYPICAL DETAILS SHOWN ARE INDICATIVE OF A STANDARD INSTALLATION. THE ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THESE TYPICAL DETAILS.
12. CERTIFICATION EXTENDS ONLY FOR THE TABULATED SPANS OF THE STRUCTURAL SHAPES LISTED. THE ENGINEER OF RECORD SHALL VERIFY ALL OTHER DETAILS INCLUDING OVERALL STABILITY.
13. INTERPOLATION BETWEEN LISTED MEMBER SPACING IS PERMITTED. EXTRAPOLATION BEYOND THE TABULATED SPACING IS PROHIBITED.
14. FOR GABLE, HIP AND HALF MANARD ROOFS, AN INCREASE OF 10% IS PERMITTED FOR THE SELF-MATING BEAM TABULATED FLAT ROOF BEAM SPANS. VERIFY MINIMUM POST SIZE ADEQUACY.
15. FOR DOME AND FULL MANARD ROOFS, AN INCREASE OF 20% IS PERMITTED FOR THE SELF-MATING BEAM TABULATED FLAT ROOF BEAM SPANS. VERIFY MINIMUM POST SIZE ADEQUACY.
16. SPLICES OF SELF-MATING BEAMS ARE ALLOWED BETWEEN THE 1/4 TO 1/3 OF THE BEAM SPAN AND SHALL BE STAGGERED EACH SIDE OF THE BEAM.

ALLOWABLE SPANS FOR SCREEN ENCLOSURE POSTS FOR REGIONS WITH WIND SPEED UP TO 150 M.P.H.

POST SPACING	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"
EXPOSURE CATEGORY	B	C	B	C	B
SELF-MATING BEAMS					
2 x 4 x 0.044 x 0.100	12'-10"	10'-8"	11'-6"	9'-6"	10'-6"
2 x 5 x 0.050 x 0.100	15'-1"	12'-6"	13'-6"	11'-3"	12'-4"
2 x 6 x 0.050 x 0.120	18'-1"	15'-1"	16'-2"	13'-6"	14'-9"
2 x 7 x 0.055 x 0.120	20'-5"	17'-0"	18'-3"	15'-2"	16'-8"
2 x 8 x 0.072 x 0.224	28'-9"	23'-11"	25'-8"	21'-4"	23'-5"
2 x 9 x 0.072 x 0.224	30'-0"	25'-10"	27'-9"	23'-1"	25'-4"
2 x 9 x 0.082 x 0.310	30'-0"	29'-4"	30'-0"	26'-3"	28'-9"
2 x 10 x 0.092 x 0.369	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"
SNAP EXTRUSIONS					
2 x 2 x 0.044 x 0.044	8'-0"	7'-0"	7'-5"	6'-3"	6'-10"
2 x 3 x 0.045 x 0.045	10'-11"	9'-1"	9'-9"	8'-1"	8'-11"

NOTE: SEE DRAWING 3 FOR ALLOWABLE POST SPANS FOR OTHER WIND REGIONS.

NOTE: ALUMINUM BEAM ALLOY SHALL BE 6063-T6. PURLINS, ANGLES AND CHANNELS ALLOY SHALL BE 6063-T6. MIN BENDING STRESS = 15,000 P.S.I. MIN THICKNESS = 0.040 INCHES.

THIS ENGINEERED DRAWING IS THE INTELLECTUAL PROPERTY OF WILLIAM J. KEIL. WRITTEN CONSENT IS REQUIRED TO REPRODUCE THIS DOCUMENT IN PART OR WHOLE.

PATIO/POOL SCREEN ENCLOSURES

DRAWING 1 OF 5

REVISIONS © 2005 WILLIAM J. KEIL, P.E.

DRAWING EFFECTIVE 1 JANUARY 2005

COUNTY: _____

PERMIT NUMBER: _____

PROJECT DESCRIPTION: _____

OCCUPANCY/USE TYPE: ☐ SINGLE FAMILY

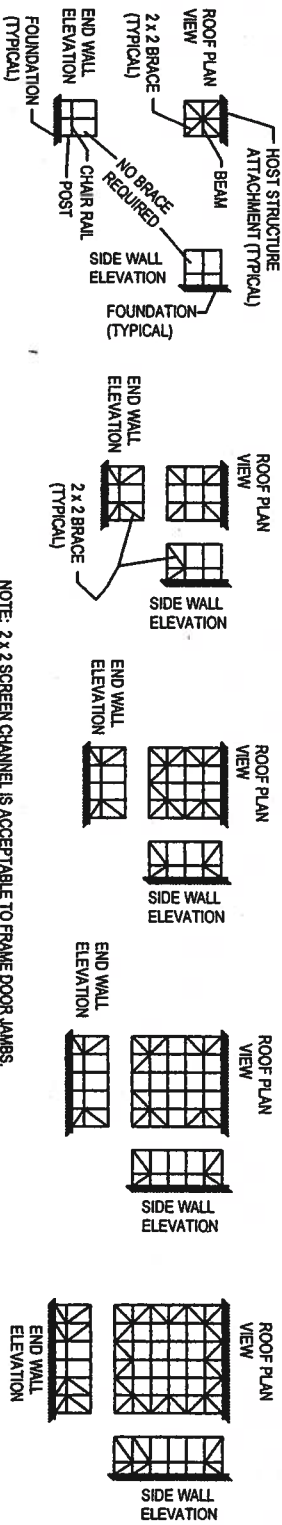
☐ MULTIFAMILY ☐ INDUSTRIAL

☐ COMMERCIAL ☐ OTHER: _____

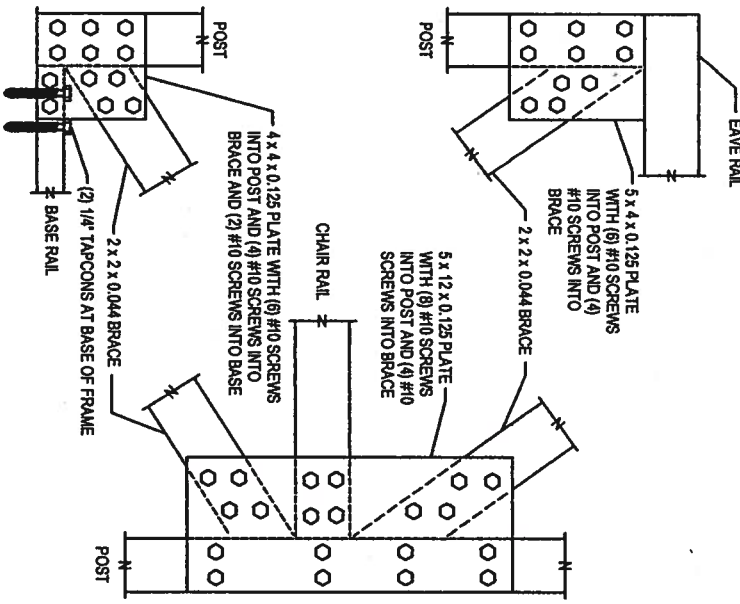
WILLIAM J. KEIL, P.E., NSPE
FL PE 53562
P.O. BOX 23648
JACKSONVILLE, FL 32241
(904) 502-9237

AUG 02 2005

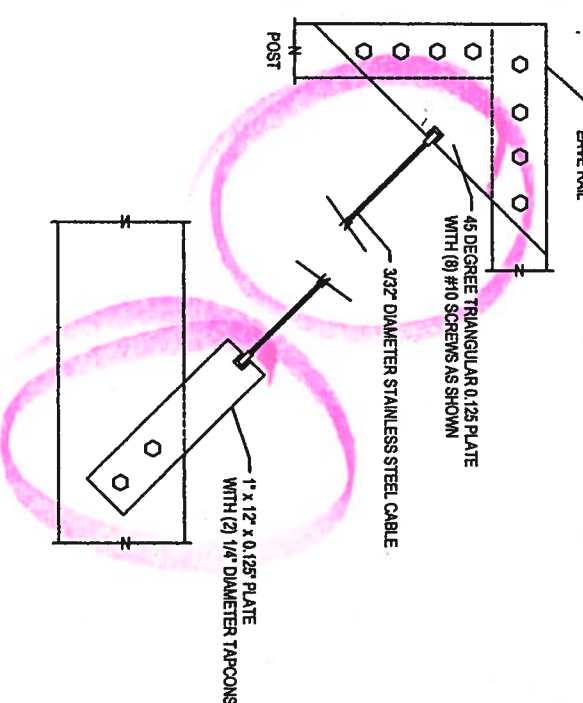
TYPICAL BRACING SCHEMATIC DETAILS FOR FLAT ROOF, GABLE ROOF, AND DOME ROOF SCREEN ENCLOSURES



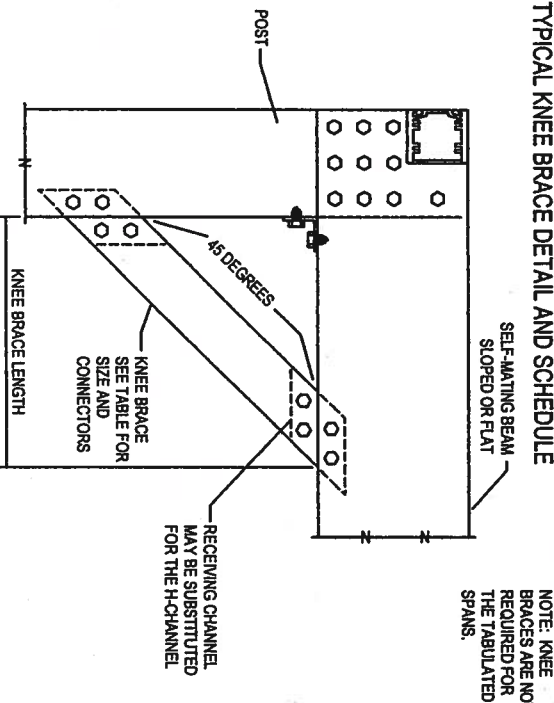
TYPICAL K-BRACE DETAILS



TYPICAL CABLE BRACE DETAILS



TYPICAL KNEE BRACE DETAIL AND SCHEDULE

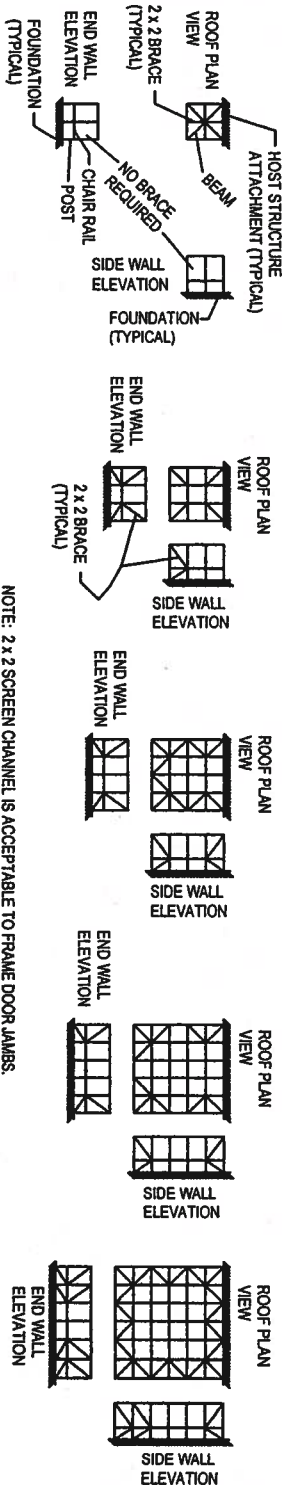


MINIMUM SIZE KNEE BRACE AND CONNECTION

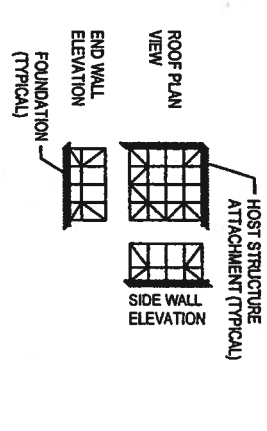
BRACE LENGTH	EXTRUSION	CONNECTION
0' TO 2'-0"	2 x 2 x 0.044	Z H-CHANNEL WITH (3) #10 EACH SIDE
TO 3'-0"	2 x 3 x 0.050	Z H-CHANNEL WITH (3) #10 EACH SIDE
TO 4'-6"	2 x 4 x 0.044	NOTCH EXTRUSION OVER BEAM AND POST AND ATTACH WITH (4) #10 EACH SIDE

NOTE: STIFFENING ANGLES SHALL BE INSTALLED AT EACH PURLIN LOCATION ALONG THE BEAM/RISE.

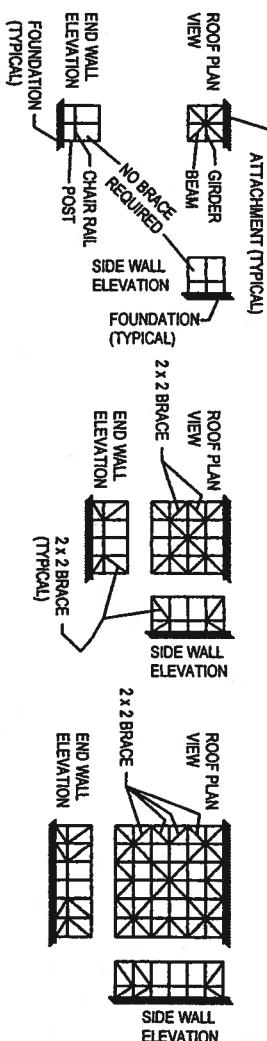
TYPICAL BRACING SCHEMATIC DETAILS FOR FULL MANSARD ROOF AND HALF MANSARD ROOF SCREEN ENCLOSURES



TYPICAL BRACING SCHEMATIC DETAIL FOR L-SHAPED HOST STRUCTURE



TYPICAL BRACING SCHEMATIC DETAILS FOR HIP ROOF SCREEN ENCLOSURES



NOTE: WALL BRACING REQUIRED WHEN SCREEN ENCLOSURE EXTENDS MORE THAN 18'-0" FROM THE HOST STRUCTURE.

NOTE: 2 x 2 SCREEN CHANNEL IS ACCEPTABLE TO FRAME DOOR JAMBS. ADD (1) K-BRACE OR (1) PAIR OF CABLES FOR EACH 300 SQUARE FEET OF SURFACE AREA.

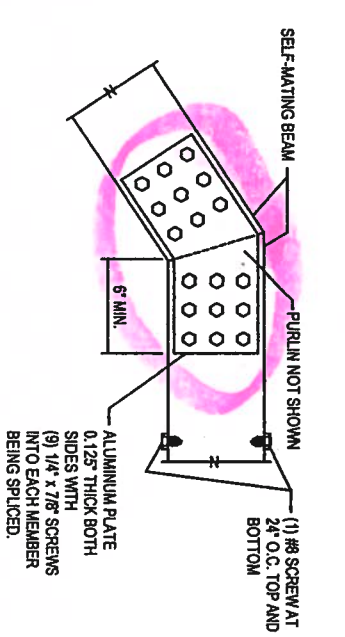
ALLOWABLE SPANS FOR SCREEN ENCLOSURE FLAT ROOF BEAMS WITH WIND SPEED UP TO 150 M.P.H.

BEAM SPACING	4' - 0"	5' - 0"	6' - 0"	7' - 0"	8' - 0"
SELF-MATING BEAMS					
2 x 4 x 0.044 x 0.100	17' - 3"	15' - 5"	14' - 6"	13' - 10"	12' - 10"
2 x 5 x 0.050 x 0.100	20' - 3"	19' - 0"	17' - 6"	16' - 0"	15' - 0"
2 x 6 x 0.050 x 0.120	24' - 4"	21' - 9"	19' - 10"	18' - 4"	17' - 2"
2 x 7 x 0.055 x 0.120	28' - 6"	25' - 6"	23' - 6"	22' - 0"	20' - 6"
2 x 8 x 0.072 x 0.224	38' - 6"	34' - 6"	31' - 5"	29' - 1"	27' - 3"
2 x 9 x 0.072 x 0.224	41' - 8"	37' - 3"	34' - 0"	31' - 6"	29' - 6"
2 x 9 x 0.082 x 0.310	47' - 4"	42' - 4"	38' - 7"	35' - 9"	33' - 5"
2 x 10 x 0.082 x 0.389	50' - 0"	49' - 3"	44' - 11"	41' - 7"	38' - 11"
SNAPEXTRUSIONS					
2 x 2 x 0.044 x 0.044	10' - 1"	9' - 5"	8' - 10"	8' - 5"	8' - 0"
2 x 3 x 0.045 x 0.045	13' - 11"	12' - 11"	11' - 11"	11' - 1"	10' - 4"

TYPICAL ALLOWABLE SPAN INCREASES PERMITTED FOR SELF-MATING BEAMS



TYPICAL SELF-MATING BEAM SIDE PLATE CONNECTION DETAIL



NOTE: DETAIL APPLIES TO GABLE, HIP, DOME, AND MANSARD CONNECTIONS. PLATE MAY BE INTERNAL OR EXTERNAL. USE 0.125\"/>

WILLIAM J. KEIL, WRITTEN CONSENT IS REQUIRED TO REPRODUCE THIS DOCUMENT IN PART OR WHOLE.

PATIO/POOL SCREEN ENCLOSURES

DRAWING 2 OF 5

REVISIONS

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DRAWING EFFECTIVE 1 JANUARY 2005

WILLIAM J. KEIL, P.E., NSPE

FL PE 53562

P.O. BOX 23648

JACKSONVILLE, FL 32241

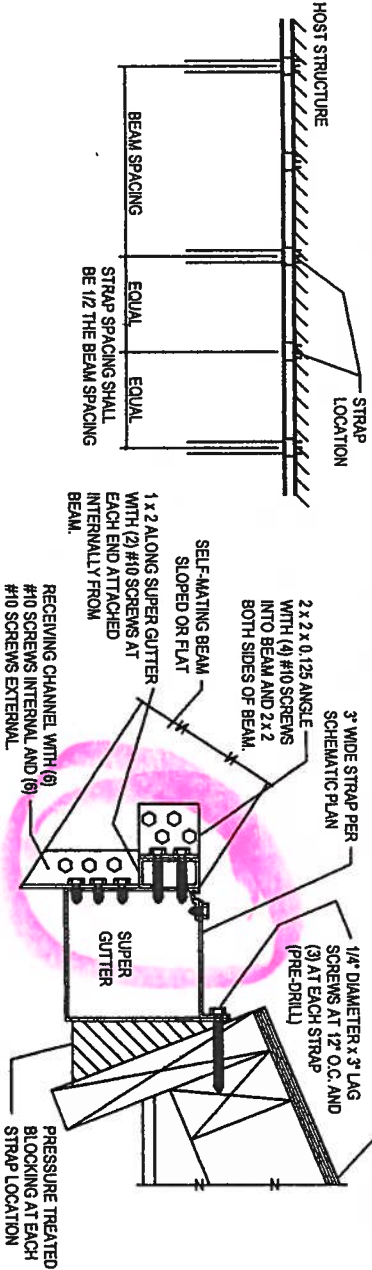
(904) 502-9237

William J. Keil

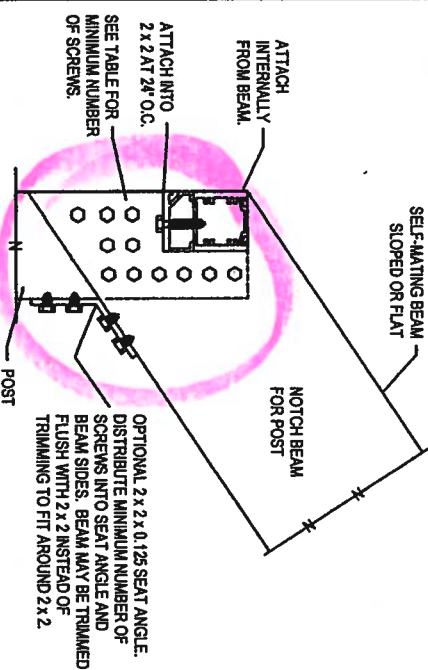
AUG 0 2 2005

CERTIFICATION EXTENDS ONLY FOR THE SPAN TABLES SPECIFIED FOR THE STRUCTURAL SHAPES LISTED.

ALTERNATE TYPICAL SUPER GUTTER ATTACHMENT SCHEMATIC PLAN AND DETAIL



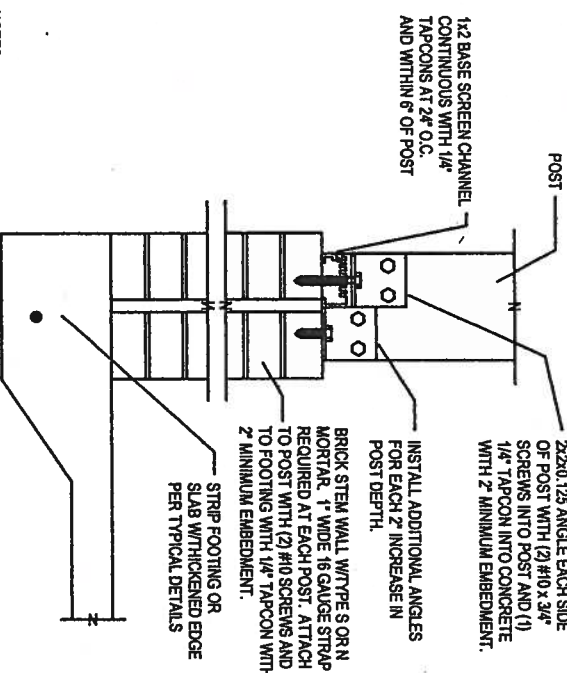
ALTERNATE TYPICAL POST AND BEAM DETAIL - MAIN FRAME



MINIMUM POST SIZE AND # OF SCREWS				
BEAM SIZE	POST SIZE	# 8	# 10	# 12
2 x 3	2 x 3	6	4	4
2 x 4	2 x 3	8	6	4
2 x 6	2 x 3	10	8	6
2 x 6	2 x 4	10	8	6
2 x 7	2 x 4	14	12	10
2 x 8	2 x 5	16	14	12
2 x 9	2 x 6	18	16	14
2 x 10	2 x 8	22	20	18
MINIMUM SPACING AND EDGE DISTANCES				
	# 8	# 10	# 12	
MINIMUM SPACING	5/8"	3/4"	1"	
MIN. EDGE DISTANCE	5/16"	3/8"	1/2"	

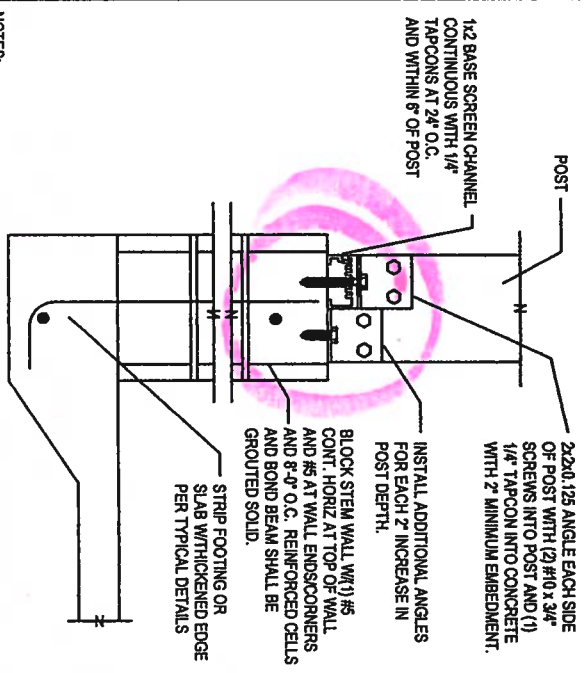
NOTE: MINIMUM NUMBER OF SCREWS INDICATES THE NUMBER OF FASTENERS ON TWO SIDES OF THE BEAM INTO THE POST.

TYPICAL POST BASE DETAIL AT BRICK STEM WALL



- NOTES:
1. SELF-TAPPING SHEET METAL SCREWS SHALL BE STAINLESS STEEL OR ZINC-PLATED.
 2. ALUMINUM ALLOY MEMBERS SHALL BE ISOLATED AS REQUIRED/RECOMMENDED FROM OTHER MATERIALS TO PREVENT CORROSION.
 3. FASTENERS INTO STEM WALL SHALL BE LONG ENOUGH TO ACHIEVE A 2\"/>
 4. MAXIMUM WALL HEIGHT SHALL BE LIMITED TO 4'-0\"/>

TYPICAL POST BASE DETAIL AT CONCRETE BLOCK STEM WALL



- NOTES:
1. SELF-TAPPING SHEET METAL SCREWS SHALL BE STAINLESS STEEL OR ZINC-PLATED.
 2. ALUMINUM ALLOY MEMBERS SHALL BE ISOLATED AS REQUIRED/RECOMMENDED FROM OTHER MATERIALS TO PREVENT CORROSION.
 3. FASTENERS INTO STEM WALL SHALL BE LONG ENOUGH TO ACHIEVE A 2\"/>
 4. MAXIMUM WALL HEIGHT SHALL BE LIMITED TO 4'-0\"/>

ALLOWABLE SPANS FOR SCREEN ENCLOSURE GABLE, HIP AND HALF MANSARD ROOF BEAMS - < = 150 M.P.H.

BEAM SPACING	4' - 0"	5' - 0"	6' - 0"	7' - 0"	8' - 0"
SELF-MATING BEAMS					
2 x 4 x 0.044 x 0.100	18' - 11"	16' - 11"	15' - 11"	15' - 2"	14' - 1"
2 x 5 x 0.050 x 0.100	22' - 3"	20' - 10"	19' - 3"	17' - 7"	16' - 6"
2 x 6 x 0.050 x 0.120	26' - 9"	23' - 11"	21' - 9"	20' - 2"	18' - 10"
2 x 7 x 0.055 x 0.120	31' - 4"	28' - 0"	25' - 10"	24' - 2"	22' - 6"
2 x 8 x 0.072 x 0.224	42' - 4"	37' - 11"	34' - 6"	31' - 11"	29' - 11"
2 x 9 x 0.072 x 0.224	45' - 10"	40' - 11"	37' - 4"	34' - 7"	32' - 5"
2 x 9 x 0.082 x 0.310	52' - 0"	46' - 6"	42' - 5"	39' - 3"	36' - 9"
2 x 10 x 0.092 x 0.369	55' - 0"	54' - 2"	49' - 4"	45' - 8"	42' - 9"
SNAP EXTRUSIONS					
2 x 2 x 0.044 x 0.044	10' - 1"	9' - 5"	8' - 10"	8' - 5"	8' - 0"
2 x 3 x 0.045 x 0.045	13' - 11"	12' - 11"	11' - 11"	11' - 1"	10' - 4"

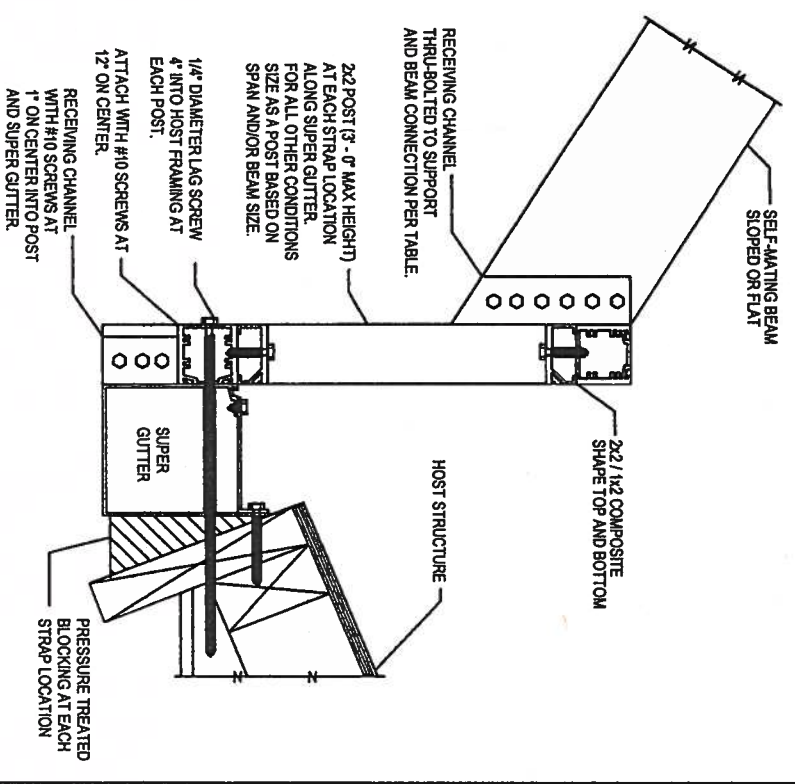
NOTE: ALUMINUM BEAM ALLOY SHALL BE 6063-T6. PURGING, ANGLES AND CHANNELS ALLOY SHALL BE 6063-T6. MIN BENDING STRESS = 15,000 P.S.I. MIN THICKNESS = 0.040 INCHES.

ALLOWABLE SPANS FOR SCREEN ENCLOSURE DOME AND FULL MANSARD ROOF BEAMS - < = 150 M.P.H.

SELF-MATING BEAMS	20' - 8"	18' - 6"	17' - 4"	16' - 7"	15' - 4"
2 x 4 x 0.044 x 0.100	20' - 8"	18' - 6"	17' - 4"	16' - 7"	15' - 4"
2 x 5 x 0.050 x 0.100	24' - 3"	22' - 9"	21' - 0"	19' - 2"	18' - 0"
2 x 6 x 0.050 x 0.120	29' - 2"	26' - 1"	23' - 9"	22' - 0"	20' - 7"
2 x 7 x 0.055 x 0.120	34' - 2"	30' - 7"	28' - 2"	26' - 4"	24' - 7"
2 x 8 x 0.072 x 0.224	46' - 2"	41' - 4"	37' - 8"	34' - 10"	32' - 8"
2 x 9 x 0.072 x 0.224	50' - 0"	44' - 8"	40' - 9"	37' - 9"	35' - 4"
2 x 9 x 0.082 x 0.310	56' - 9"	50' - 9"	46' - 3"	42' - 10"	40' - 1"
2 x 10 x 0.092 x 0.369	60' - 0"	59' - 1"	53' - 10"	49' - 10"	46' - 8"
SNAP EXTRUSIONS					
2 x 2 x 0.044 x 0.044	10' - 1"	9' - 5"	8' - 10"	8' - 5"	8' - 0"
2 x 3 x 0.045 x 0.045	13' - 11"	12' - 11"	11' - 11"	11' - 1"	10' - 4"

NOTE: ALUMINUM BEAM ALLOY SHALL BE 6063-T6. PURGING, ANGLES AND CHANNELS ALLOY SHALL BE 6063-T6. MIN BENDING STRESS = 15,000 P.S.I. MIN THICKNESS = 0.040 INCHES.

TYPICAL RISER/TRANSOM WALL DETAIL



PATIO/POOL SCREEN ENCLOSURES

DRAWING 4 OF 5

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DRAWING EFFECTIVE 1 JANUARY 2005

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ALLOWABLE SPANS FOR SCREEN ENCLOSURE CARRIER BEAMS - < = 150 M.P.H.

TRIBUTARY LOAD WIDTH	10' - 0"	14' - 0"	18' - 0"	22' - 0"	26' - 0"	30' - 0"	34' - 0"	38' - 0"	42' - 0"	46' - 0"	50' - 0"
SINGLE SELF-MATING BEAMS											
2 x 4 x 0.044 x 0.100	10' - 10"	9' - 2"	8' - 1"	7' - 4"	6' - 9"	6' - 3"	5' - 11"	5' - 7"	5' - 3"	5' - 1"	4' - 10"
2 x 5 x 0.050 x 0.100	12' - 9"	10' - 10"	9' - 6"	8' - 7"	7' - 11"	6' - 11"	6' - 6"	6' - 10"	7' - 6"	7' - 2"	6' - 10"
2 x 6 x 0.050 x 0.120	15' - 4"	13' - 0"	11' - 5"	10' - 4"	9' - 6"	8' - 10"	8' - 4"	8' - 10"	8' - 5"	8' - 1"	7' - 9"
2 x 7 x 0.055 x 0.120	17' - 4"	14' - 8"	12' - 11"	11' - 8"	10' - 9"	9' - 4"	8' - 10"	8' - 10"	11' - 10"	11' - 4"	10' - 10"
2 x 8 x 0.072 x 0.224	23' - 4"	20' - 7"	18' - 2"	16' - 5"	15' - 1"	14' - 1"	13' - 2"	12' - 6"	11' - 10"	11' - 4"	10' - 10"
2 x 9 x 0.072 x 0.224	25' - 7"	22' - 3"	19' - 8"	17' - 9"	16' - 4"	15' - 2"	14' - 3"	13' - 6"	12' - 10"	12' - 3"	11' - 9"
2 x 9 x 0.082 x 0.310	27' - 10"	24' - 11"	22' - 3"	20' - 2"	18' - 6"	17' - 3"	16' - 2"	15' - 4"	14' - 7"	13' - 11"	13' - 4"
2 x 10 x 0.092 x 0.369	31' - 11"	28' - 6"	25' - 11"	23' - 5"	21' - 7"	20' - 1"	18' - 10"	17' - 10"	16' - 11"	16' - 2"	15' - 6"
DOUBLE SELF-MATING BEAMS											
2 x 7 x 0.055 x 0.120	22' - 5"	20' - 1"	18' - 3"	16' - 6"	15' - 2"	14' - 2"	13' - 3"	12' - 7"	11' - 11"	11' - 5"	10' - 11"
2 x 8 x 0.072 x 0.224	29' - 5"	26' - 4"	24' - 2"	22' - 8"	21' - 5"	19' - 11"	18' - 8"	17' - 8"	16' - 10"	16' - 1"	15' - 5"
2 x 9 x 0.072 x 0.224	32' - 3"	28' - 10"	26' - 6"	24' - 10"	23' - 1"	21' - 6"	20' - 2"	19' - 1"	18' - 2"	17' - 4"	16' - 8"
2 x 9 x 0.082 x 0.310	35' - 1"	31' - 5"	28' - 10"	27' - 0"	25' - 6"	24' - 4"	22' - 11"	21' - 8"	20' - 7"	19' - 8"	18' - 11"
2 x 10 x 0.092 x 0.369	40' - 3"	36' - 0"	33' - 1"	30' - 11"	29' - 3"	27' - 11"	26' - 8"	25' - 3"	24' - 0"	22' - 11"	22' - 0"

NOTE: ALUMINUM BEAM ALLOY SHALL BE 6063-T6 WITH MINIMUM BENDING STRENGTH OF 15,000 PSI.

ALLOWABLE SPANS FOR 3" COMPOSITE ROOF PANELS

SHELL METAL THICKNESS	0.024"		0.032"	
EXPOSURE CATEGORY	B	C	B	C
WIND SPEED (M.P.H.)				
100	15' - 8"	14' - 9"	17' - 3"	16' - 3"
110	15' - 2"	13' - 8"	16' - 9"	15' - 1"
120	14' - 4"	12' - 10"	15' - 10"	14' - 2"
130	13' - 8"	12' - 3"	15' - 1"	13' - 6"
140	13' - 1"	11' - 8"	14' - 5"	12' - 10"
150	12' - 5"	11' - 1"	13' - 8"	12' - 3"

ALLOWABLE SPANS FOR 4" COMPOSITE ROOF PANELS

100	19' - 0"	17' - 10"	20' - 11"	19' - 8"
110	18' - 5"	16' - 7"	20' - 3"	18' - 3"
120	17' - 5"	15' - 7"	19' - 2"	17' - 2"
130	16' - 7"	14' - 10"	18' - 3"	16' - 4"
140	15' - 11"	14' - 2"	17' - 6"	15' - 7"
150	15' - 1"	13' - 6"	16' - 7"	14' - 10"

ALLOWABLE SPANS FOR 5" COMPOSITE ROOF PANELS

100	22' - 1"	20' - 9"	24' - 3"	22' - 10"
110	21' - 4"	19' - 3"	23' - 6"	21' - 2"
120	20' - 2"	18' - 1"	22' - 3"	19' - 11"
130	19' - 3"	17' - 2"	21' - 2"	18' - 11"
140	18' - 6"	16' - 5"	20' - 4"	18' - 1"
150	17' - 6"	15' - 8"	19' - 3"	17' - 2"

NOTE: ALUMINUM ALLOY 3105-H14 OR -H25 WITH MINIMUM TENSILE BENDING STRENGTH OF 18,000 PSI.
INSULATION DENSITY = 1 PCF.

ALLOWABLE SPANS FOR 3" RIB RISER
12" WIDE PANELS

METAL THICKNESS	0.024"	
EXPOSURE CATEGORY	B	C
WIND SPEED (M.P.H.)		
100	9' - 10"	9' - 3"
110	9' - 6"	8' - 7"
120	9' - 0"	8' - 1"
130	8' - 7"	7' - 8"
140	8' - 3"	7' - 4"
150	7' - 9"	6' - 11"

METAL THICKNESS		0.030"	
100	10' - 7"	9' - 11"	
110	10' - 3"	9' - 3"	
120	9' - 8"	8' - 8"	
130	9' - 3"	8' - 3"	
140	8' - 10"	7' - 11"	
150	8' - 5"	7' - 6"	
METAL THICKNESS		0.050"	
100	12' - 6"	11' - 9"	
110	12' - 1"	10' - 11"	
120	11' - 5"	10' - 3"	
130	10' - 11"	9' - 9"	
140	10' - 6"	9' - 4"	
150	9' - 11"	8' - 10"	

NOTE: ALUMINUM ALLOY 3105-H29 WITH MINIMUM TENSILE BENDING STRENGTH OF 26,000 PSI.

ALLOWABLE SPANS FOR CARRIER BEAM W/ SOLID & SCREEN ROOF

	SOLID ROOF SPAN = 8' - 0" : EXP B : UP TO 150 M.P.H.			
SCREEN ROOF SPAN	20' - 0"	24' - 0"	28' - 0"	32' - 0"
SELF-MATING BEAM				
2 x 6 x 0.050 x 0.120	11' - 2"	10' - 10"	9' - 11"	9' - 6"
2 x 7 x 0.055 x 0.120	12' - 9"	12' - 3"	11' - 8"	11' - 2"
2 x 8 x 0.072 x 0.224	16' - 9"	16' - 2"	15' - 8"	15' - 3"
2 x 9 x 0.072 x 0.224	18' - 5"	17' - 9"	17' - 2"	16' - 8"
2 x 9 x 0.082 x 0.310	20' - 0"	19' - 4"	18' - 8"	18' - 2"
2 x 10 x 0.092 x 0.369	22' - 11"	22' - 2"	21' - 5"	20' - 10"
SOLID ROOF SPAN = 12' - 0" : EXP B : UP TO 150 M.P.H.				
SELF-MATING BEAM				
2 x 6 x 0.050 x 0.120	10' - 4"	9' - 11"	9' - 6"	9' - 2"
2 x 7 x 0.055 x 0.120	11' - 8"	11' - 2"	10' - 9"	10' - 4"
2 x 8 x 0.072 x 0.224	15' - 8"	15' - 3"	14' - 10"	14' - 6"
2 x 9 x 0.072 x 0.224	17' - 2"	16' - 8"	16' - 3"	15' - 2"
2 x 9 x 0.082 x 0.310	18' - 8"	18' - 2"	17' - 8"	17' - 3"
2 x 10 x 0.092 x 0.369	21' - 5"	20' - 10"	19' - 9"	19' - 4"
SOLID ROOF SPAN = 16' - 0" : EXP B : UP TO 150 M.P.H.				
SELF-MATING BEAM				
2 x 6 x 0.050 x 0.120	9' - 6"	9' - 2"	8' - 10"	8' - 7"
2 x 7 x 0.055 x 0.120	10' - 9"	10' - 4"	10' - 0"	9' - 8"
2 x 8 x 0.072 x 0.224	14' - 10"	14' - 6"	14' - 1"	13' - 7"
2 x 9 x 0.072 x 0.224	16' - 3"	15' - 9"	15' - 2"	14' - 9"
2 x 9 x 0.082 x 0.310	17' - 8"	17' - 3"	16' - 10"	16' - 6"
2 x 10 x 0.092 x 0.369	20' - 3"	19' - 9"	19' - 4"	18' - 11"

NOTE: ALUMINUM BEAM ALLOY SHALL BE 6063-T6 WITH MINIMUM BENDING STRENGTH OF 15,000 PSI.

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PATIO/POOL SCREEN ENCLOSURES

DRAWING 5 OF 5

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