

ck# 1099 - 2004 - left message 5/26/06
Retirement of BLUEPRINT 2 (215.00)

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 060421 Date Received 5/19 By JW Permit # 24585
Application Approved by - Zoning Official BLK Date 26.05.06 Plans Examiner OK JH Date 6-22-05
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments NOC needed

Applicant's Name FRANCIS Ley Phone 352-1087-4957
Address PO Box 831120 Ocala, FL 34483-1120
Owner's Name Tara Wyatt Phone 352-817-3612
Full Address 202 SW Weasel Ct Ft White, FL 32038
Contractor's Name Thomas Cutcher Phone 352-817-5044
Address 5055 Brandi Circle FL 34412
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Lawrence Bennett PO Box 214368 South Daytona, FL
Mortgage Lenders Name & Address CASH
Circle the correct power company - FL Power & Light - Cloy Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 12-65-16-03816-313 Estimated Cost of Construction 28,000
Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
Driving Directions 441 South - T/R on Route 18 go 6 miles, T/R on CR 131
listenugge go 3 miles T/R on Sassafras go 1 mile
T/R on Weasel Ct 1st house on left
Type of Construction Deck w/ aluminum screen enclosure Number of Existing Dwellings on Property _____
Total Acreage 10 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 100' Side 100' Side 5 AC Rear 5 AC
Total Building Height _____ Number of Stories 1 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.

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this _____ day of _____ 20____

Personally known _____ or Produced Identification _____

CGC151006

Contractor Signature Thomas Cutcher
Contractors License Number CGC151006
Competency Card Number _____
NOTARY STAMP/SEAL

Notary Signature



My Commission Expires 12/5/08

0604-21

TARA WYATT

LETTER OF AUTHORIZATION

Date: 4/13/06

Columbia County Building Department
P.O. Drawer 1529
Lake City, FL 32056

I Thomas Cutcher, License No. CGC1510060 do hereby
Authorize Francisco Ley to pull and sign permits on my
behalf.

Sincerely,



Sworn to and subscribed before me this 13 day of April, 2006.

Notary Public: Melanie D. Bruins

My commission expires: 4/11/08

Personally Known yes

Produced Valid Identification: personally known

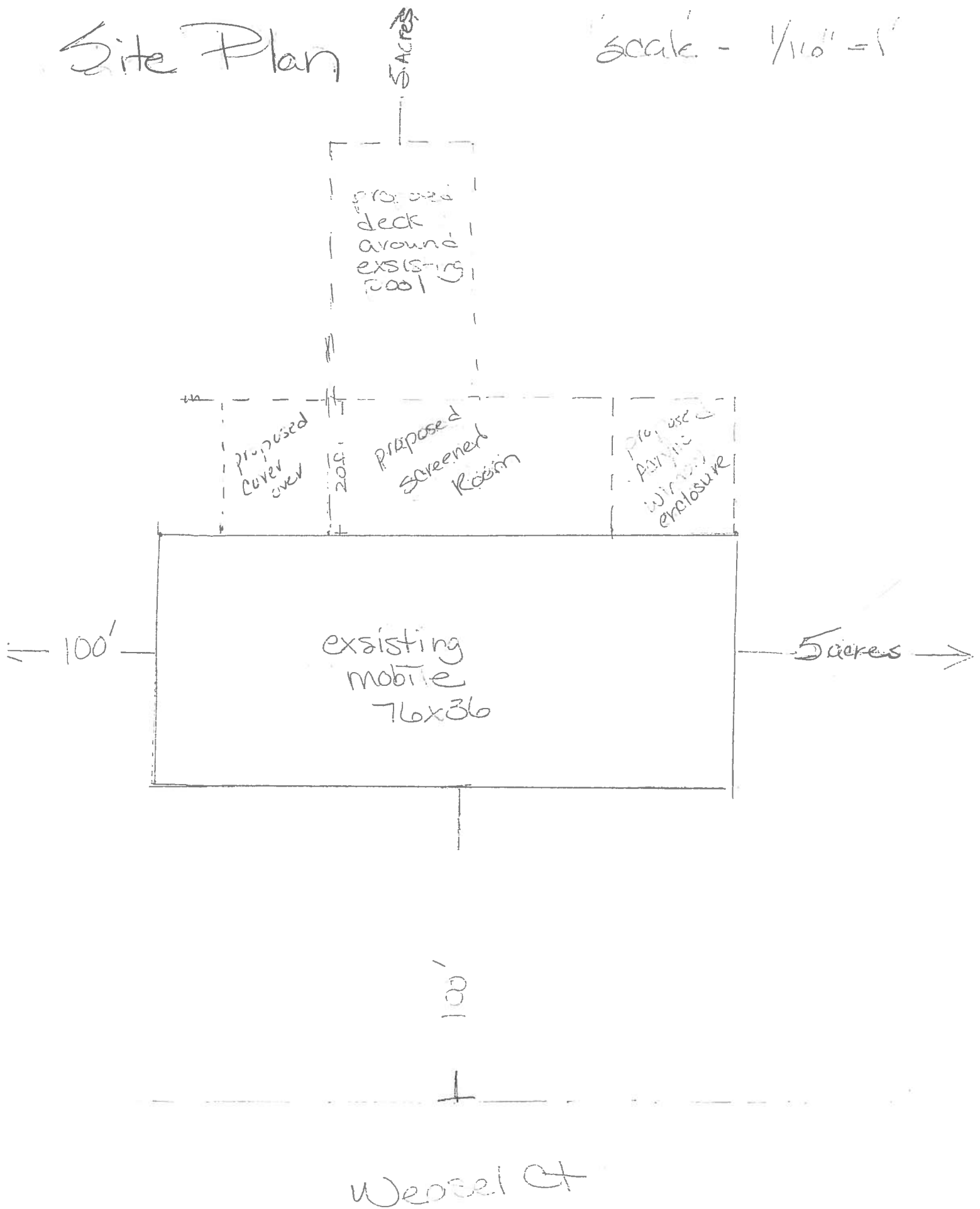
Revised: 3/2006



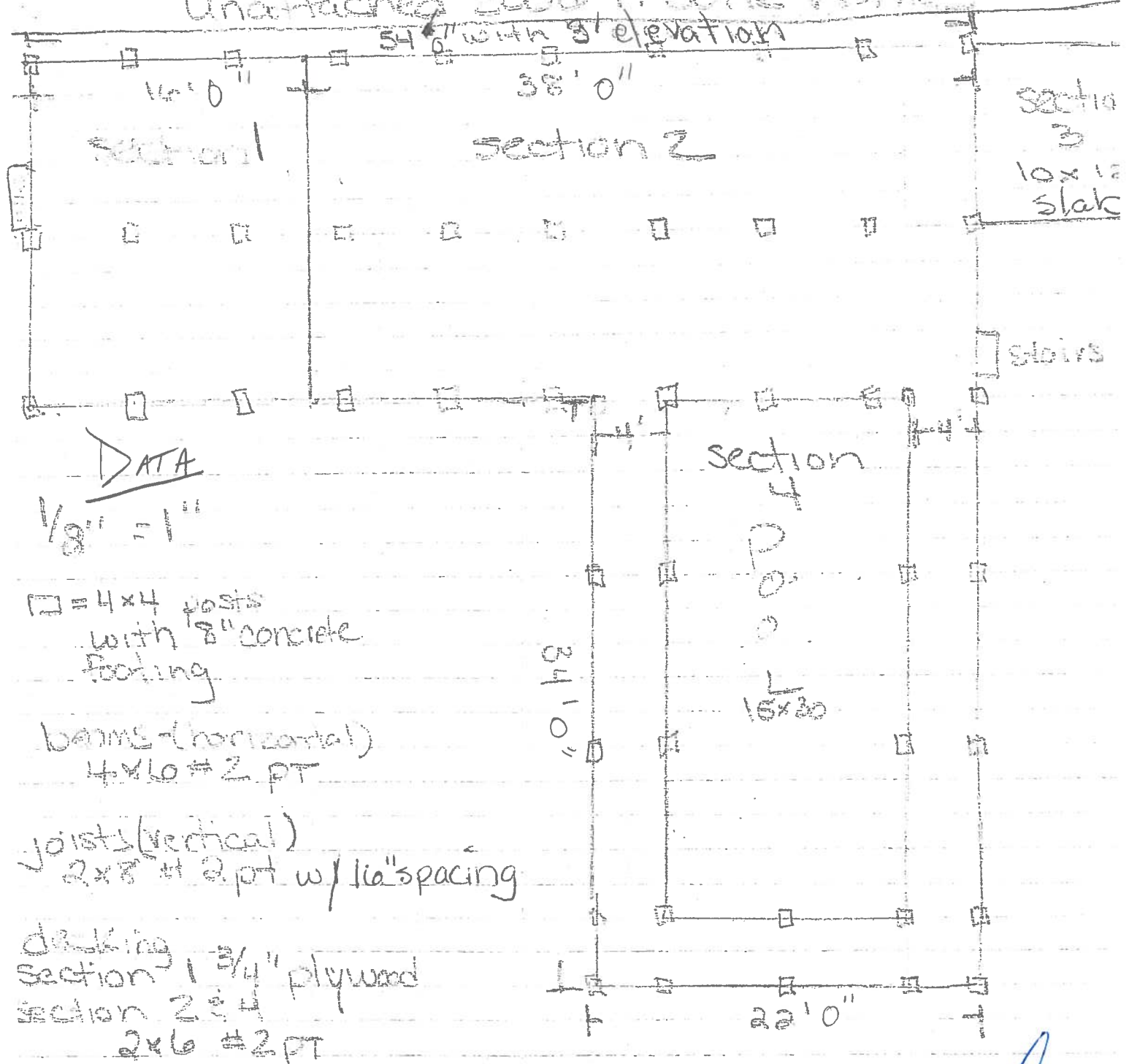
MELANIE D. BRUINS
MY COMMISSION # DD 309112
EXPIRES: April 11, 2008
Bonded Thru Budget-Notary Services

Site Plan

scale - $\frac{1}{160'} = 1''$



Unattached 2006 mobile home

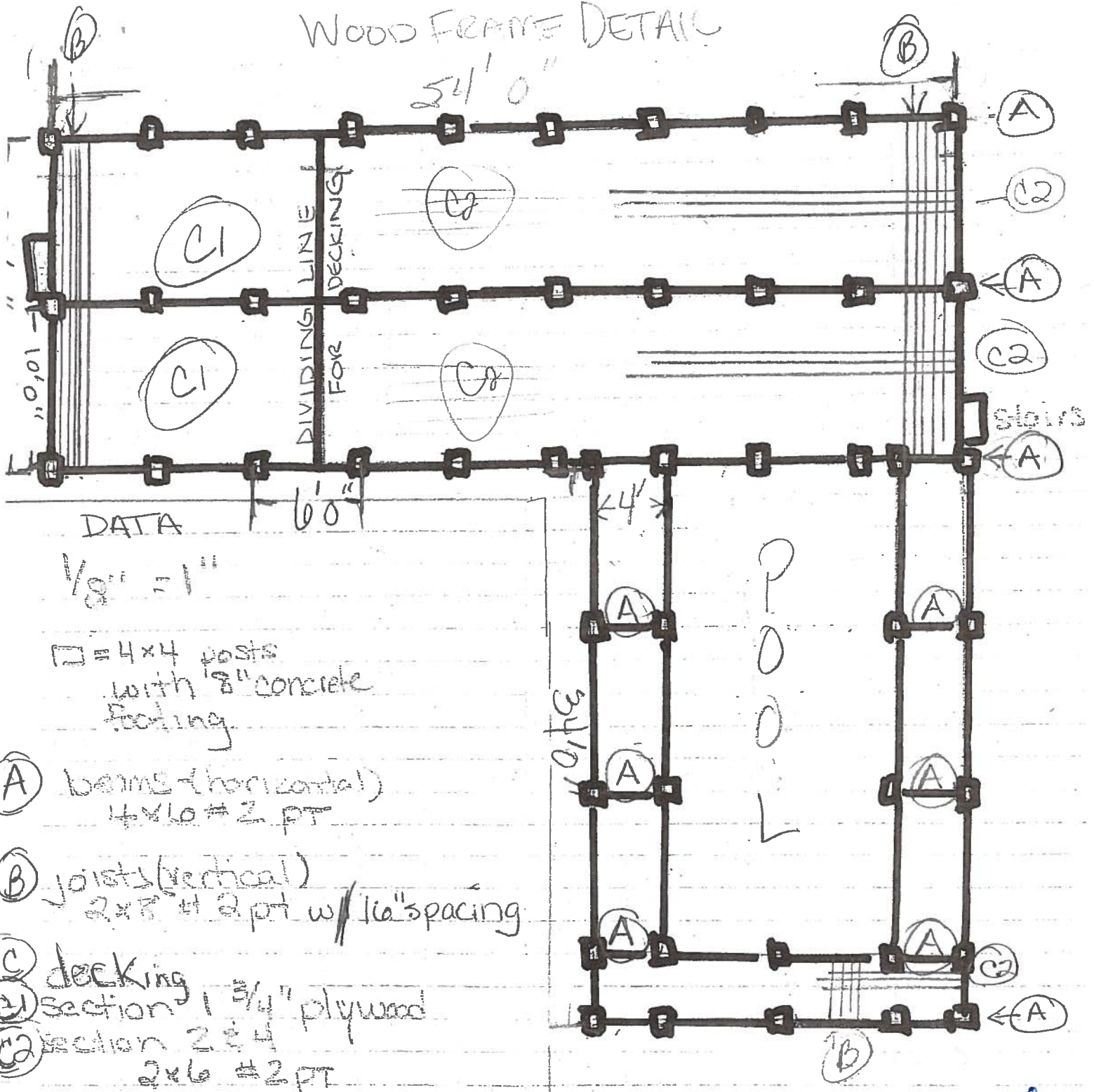


Section 3
10x12 concrete slab

beam post spacing - 6'
Joist Post spacing - 10'

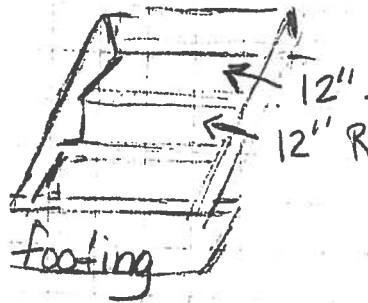
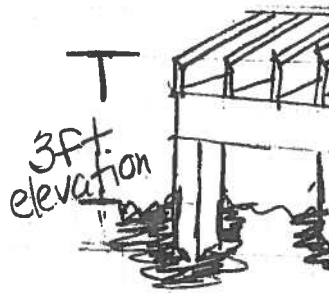
MAY 16 2006

WOOD FRAME DETAIL



beam post spacing 6' 0"
joist post spacing 10' 0"

MAY 16 2006



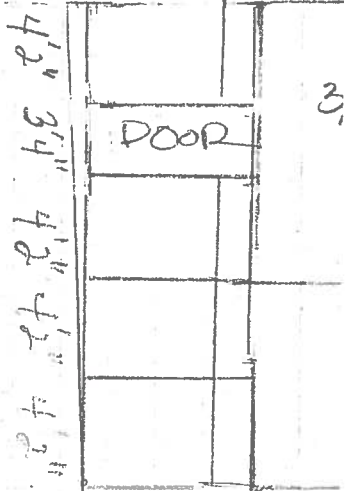
Paso Fino Dev & Con
PO Box 831120
Ocala, Fl 34483-1120
352-817-5044

Tara Wyatt
202 SW We
Ft White, Fl

SEC
2ca

7' 9"

2006 mobile home adj. to



7' 5"

4' 0"

1'

6"

SIDE VIEW

3" x 48" insulated panels

DOOR

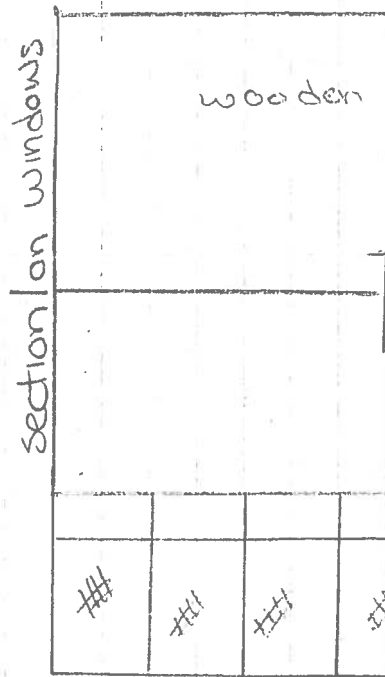
7' 5"

1304

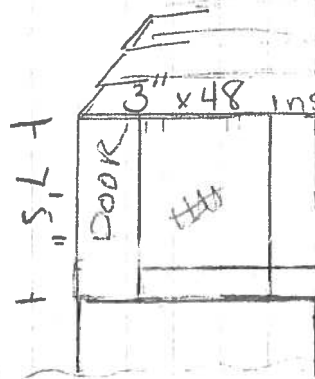
mobile home

7' 9"

Set
Sc

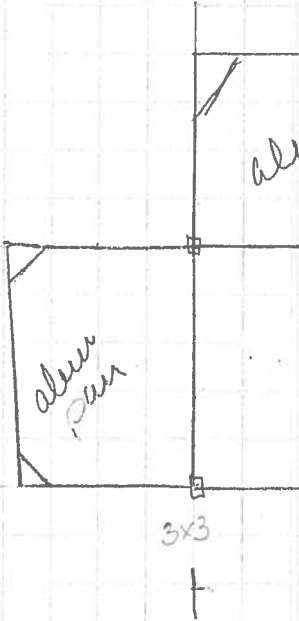


16' 0"
6" super gutter

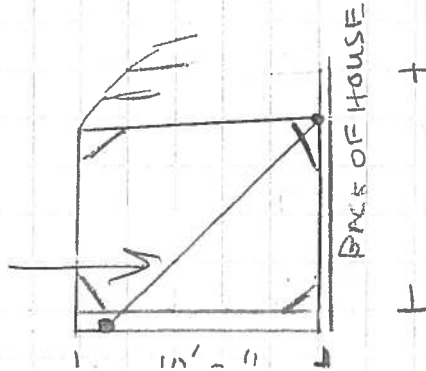


Paso Fino Dev & Con
PO Box 831120
Ocala, FL 34483-1120
352-817-5044

1'-0" 0/1'



SIDE VIEW - scale 1/8" = 1'



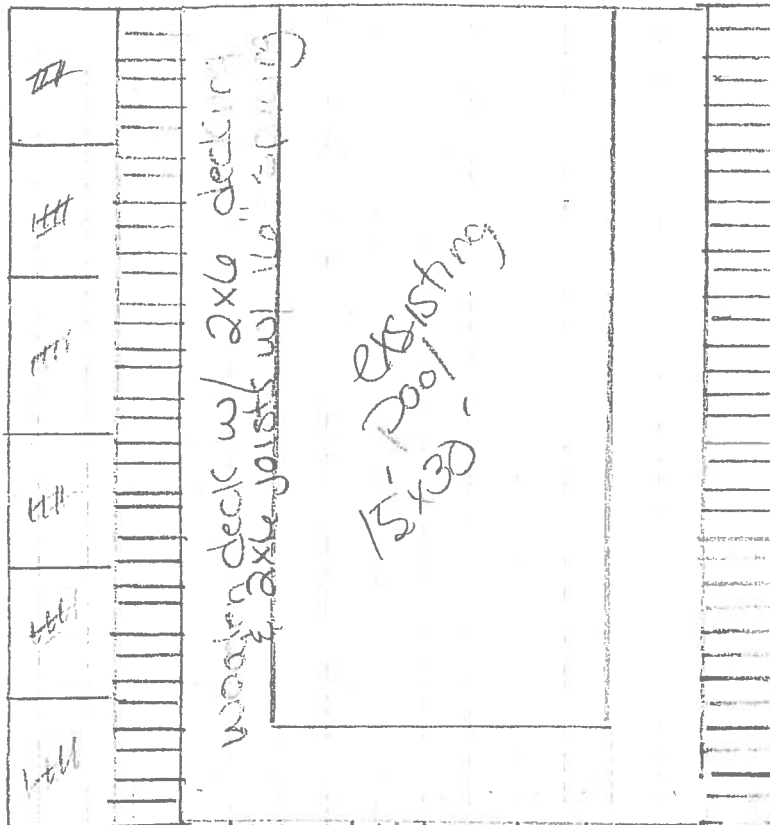
Tie
down

7' 5"

4' 0"

7' 3"

8' 5" + 8' 5" + 8' 5" + 8' 5" + 8' 5" + 8' 5" + 8' 5" + 8' 5" + 8' 5" + 8' 5"



5' 6" + 5' 6" + 5' 6" + 5' 6"

22' 0"

Paso Fino Dev & Con
PO Box 831120
Ocala, FL 34483-1120
352-817-5044



Columbia County Property Appraiser

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

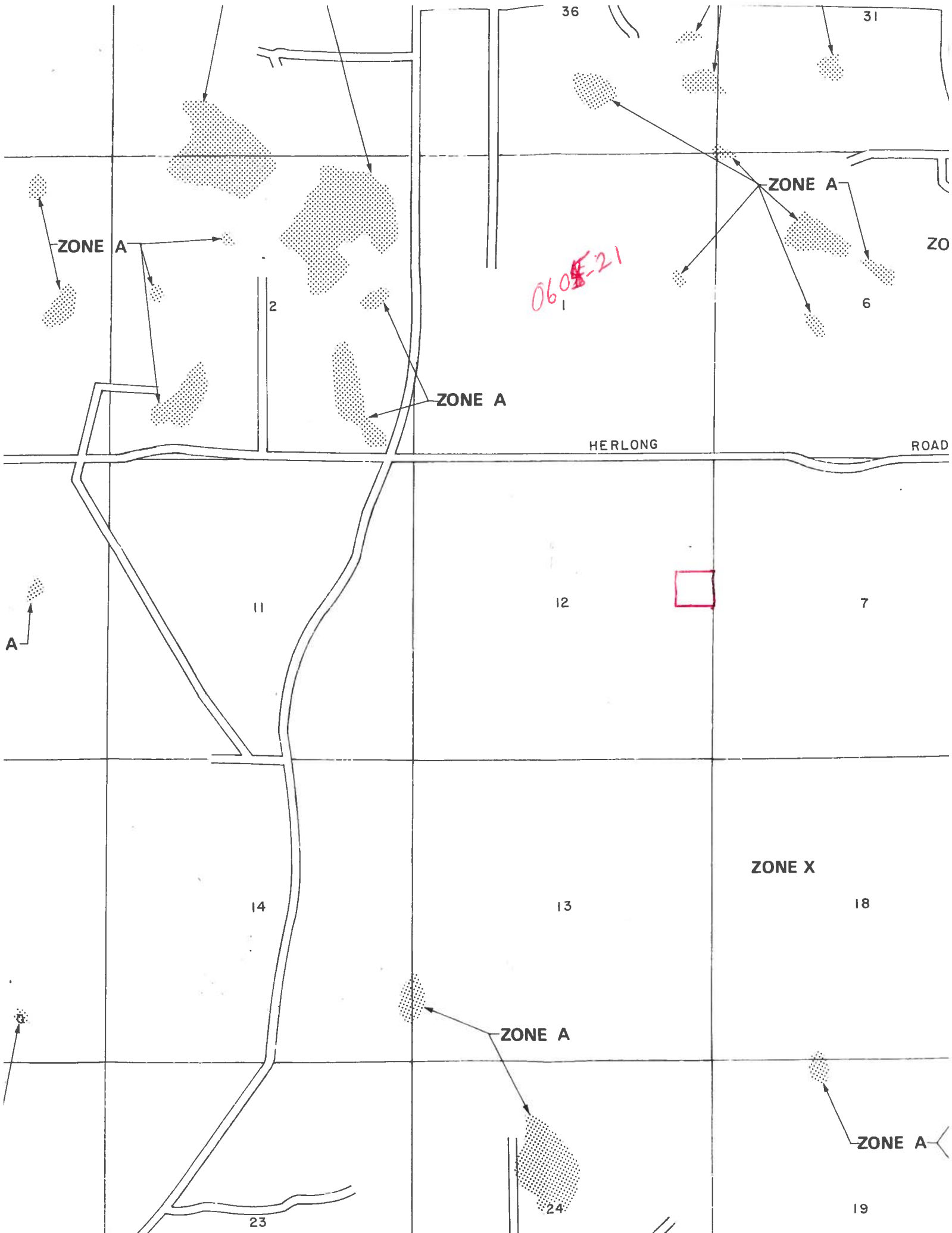
PARCEL: 12-6S-16-03816-313 - AC/XFOB (009901)

Name: WYATT TARA DEAN MATHIS	LandVal	\$66,128.00
Site:	BldgVal	\$0.00
Mail: 12099 SW 38TH ST	ApprVal	\$68,888.00
OCALA, FL 34481	JustVal	\$68,888.00
Sales 2/9/2006 \$134,900.00V / Q	Assd	\$68,888.00
Info 10/1/1998 \$26,000.00V / Q	Exmpt	\$0.00
	Taxable	\$68,888.00

0 0.1 0.2 0.3 mi



This information, GIS Map Updated: 5/5/2006, 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.



NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

*****THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.*****

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.

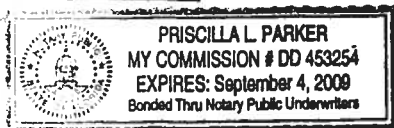
Tax Parcel ID Number 12-63-16-03816-313

1. Description of property: (legal description of the property and street address or 911 address)
202 SW Weasel Ct, Ft White FL 32038
(AKA Parcel 13 Tusnugage TRAILS S/D UNREC)
Comm NW Cor of NE 1/4 Run 52291 Ft to S R/W Ichetucknee Rd,
Run E 1347.02 Ft, S 1892.66 Ft, E 150.50 Ft For EOB, Cont. E
650.03 Ft, S 671.46 Ft, W 650.03 Ft, N 671.46 Ft to POB
2. General description of improvement: Deck with arylic window enclosure,
Screen enclosure and pool enclosure
3. Owner Name & Address TARA WYATT 202 SW WEASEL CT FT WHITE
FL 32038 Interest in Property _____
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name Paso Fino Development Phone Number 352-817-5044
Address PO Box 831120 Ocala FL 34483-1120
6. Surety Holders Name N/A Phone Number _____
Address _____
Amount of Bond _____
7. Lender Name N/A Phone Number _____
Address _____
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name N/A Phone Number _____
Address _____
9. In addition to himself/herself the owner designates N/A of _____
_____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
10. Expiration date of the Notice of Commencement Inst: 2006013242 Date: 06/02/2006 Time: 09:22
(Unless a different date is specified) 5.7 DC, P. DeWitt Cason, Columbia County B: 1085 P: 1302

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Tara Wyatt
Signature of Owner



Sworn to (or affirmed) and subscribed before
day of May 31, 2006

NOTARY STAMP/SEAL

Priscilla L. Parker

Signature of Notary

Only turned in one set of plans

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0604-21 Date Received 4-10/06 By LH Permit # _____
Application Approved by - Zoning Official _____ Date _____ Plans Examiner _____ Date _____
Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
Comments: Getting letter done -

Applicants Name Paso Fino Development & Construction, Inc. Phone 352-687-4957
Address P.O. Box 831120 Ocala, FL 34483-1120
Owners Name Tara Wyatt Phone 352-817-3612
Full Address 302 SW Webster Ct Ft White FL 32038
Contractors Name Thomas Cutcher Phone 352-817-5044
Address 5058 Keen Rd Ocala FL 34472
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Lawrence Bennett P.O. Box 214368 South Daytona FL
Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 12-65-16-03816-313 Estimated Cost of Construction 28,000
Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
Driving Directions Comm NW Cor of NE 1/4 Run S 2291 FT to SR/W
Ichetucknee Rd, Run E 1347.02 FT, S

Type of Construction Deck w/ alum screen 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 - 10 ACES POLE, HOME IN MIDDLE
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.

Tara Mathis Wyatt
Owner/Builder or Agent (Including Contractor)
STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this 7 day of April 2006.
Personally known _____ or Produced Identification FLA
Signally Tara Mathis Wyatt

Thomas Cutcher
Contractor Signature
Contractors License Number _____
Competency Card Number _____
NOTARY STAMP/SEAL
April Leffew
Notary Signature
My Commission expires 12/5/06



C/C# 3353

PERMIT APPLICATION / MANUFACTURED HOME INSTALLATION APPLICATION

For Office Use Only (Revised 6-23-05) Zoning Official BLK 14.03.06 Building Official OK JWH 3-6-6

AP# 060290 Date Received 2/27/06 By [Signature] Permit # 24246

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Exist mlt to be removed with need - SLP in SLP 6 & 4

FEMA Map# _____ Elevation 10 Finished Floor _____ River _____ In Floodway _____

☒ Site Plan with Setbacks Shown ☒ EH Signed Site Plan ☐ EH Release ☐ Well letter ☒ Existing well

☒ Copy of Recorded Deed or Affidavit from land owner ☒ Letter of Authorization from installer

06-1013MD

- Property ID # 12-65-16-03816-313 Must have a copy of the property deed
- New Mobile Home ☒ Used Mobile Home _____ Year 2006
- Applicant Robert Minnella Phone # (352) 486-0016
- Address 11451 NE 83 Ter, Bronson, FL 32621
- Name of Property Owner Tara Wyatt Phone# (352) 237-3830
- 911 Address 202 SW Weasel Ct, Ft. White, FL 32038
- Circle the correct power company - FL Power & Light - Clay Electric
(Circle One) - Suwannee Valley Electric - Progress Energy
- Name of Owner of Mobile Home Wyatt, Tara Phone # (352) 237-3830
- Address 12099 SW 30 St Ocala, FL 34481
- Relationship to Property Owner Same
- Current Number of Dwellings on Property 2
- Lot Size 660X660 Total Acreage 10
- Do you : Have an Existing Drive or need a Culvert Permit or a Culvert Waiver (Circle one)
- Is this Mobile Home Replacing an Existing Mobile Home Yes
- Driving Directions to the Property 441 S to CR (TR) to C-131 (TR) to Jasmine St (TL) to Primrose Terr (TR) to Sassafras St (TL) to Weasel Ct (TL) Driveway on right at Owl-de-Sac
- Name of Licensed Dealer/Installer Ernest S. Johnson Phone # (352) 378-2453
- Installers Address PO Box 74, Island, Grove, FL
- License Number TH0000359 Installation Decal # 627497



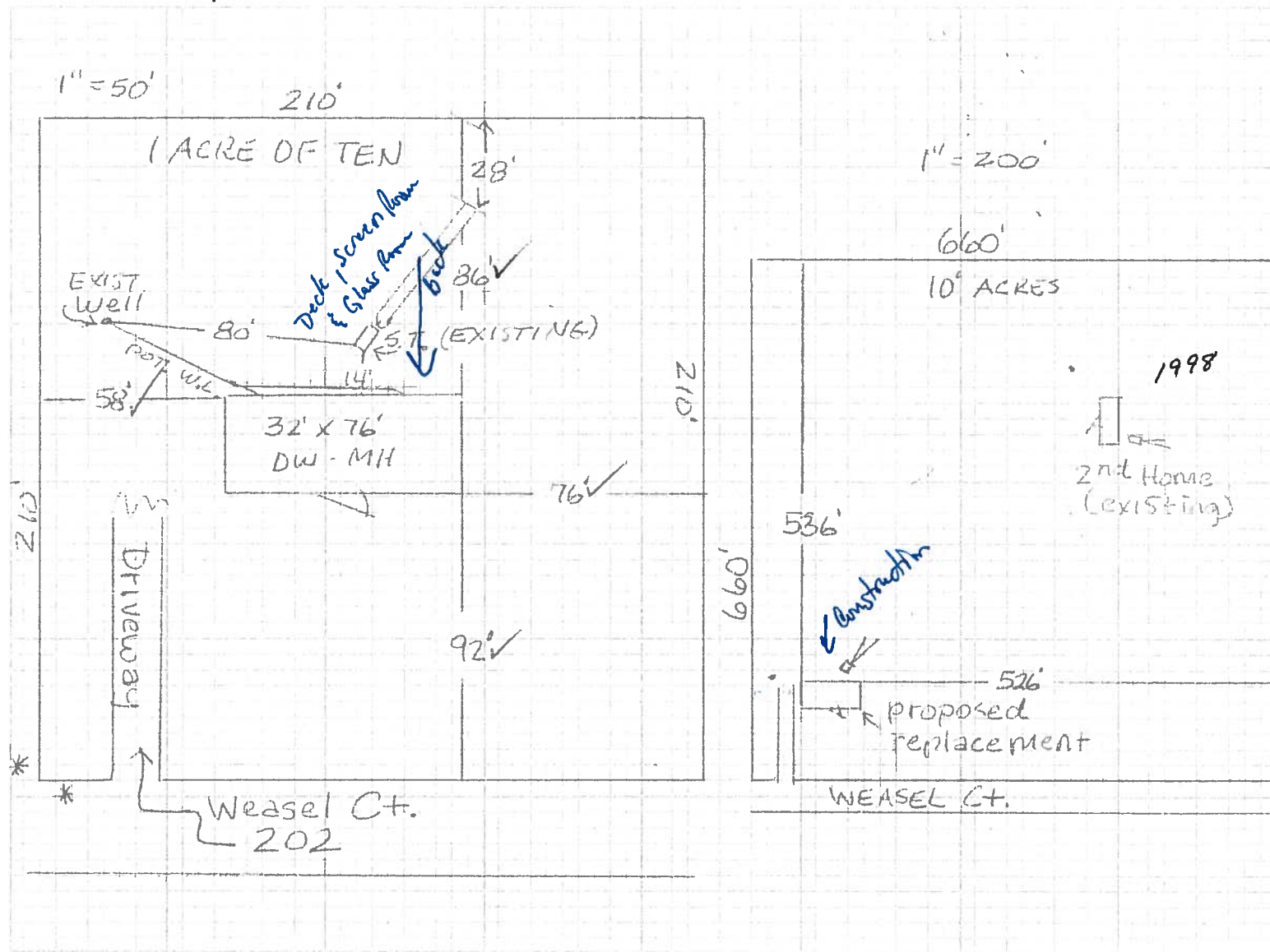
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: * Actual Property lines (REPLACEMENT HOME)

Site Plan submitted by: Robert H. H. H. H.

Signature

Agent

Title

Plan Approved _____

Not Approved _____

Date 2-27-06

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT.



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

CUTCHER, THOMAS L
PASO FINO DEVELOPMENT & CONSTRUCTION INC
5052 PECAN RD
OCALA FL 34472-6180



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

AC# 2316518

CGC1510060 11/07/05 050362204

CERTIFIED GENERAL CONTRACTOR
CUTCHER, THOMAS L
PASO FINO DEVELOPMENT & CONSTRUCT

IS CERTIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2006 L05110700148

DETACH HERE

2316518

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ#L05110700148

DATE	BATCH NUMBER	LICENSE NBR
11/07/2005	050362204	CGC1510060

The GENERAL CONTRACTOR
named below IS CERTIFIED
under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2006

CUTCHER, THOMAS L
PASO FINO DEVELOPMENT & CONSTRUCTION INC
5058 PECAN ROAD
OCALA FL 34472

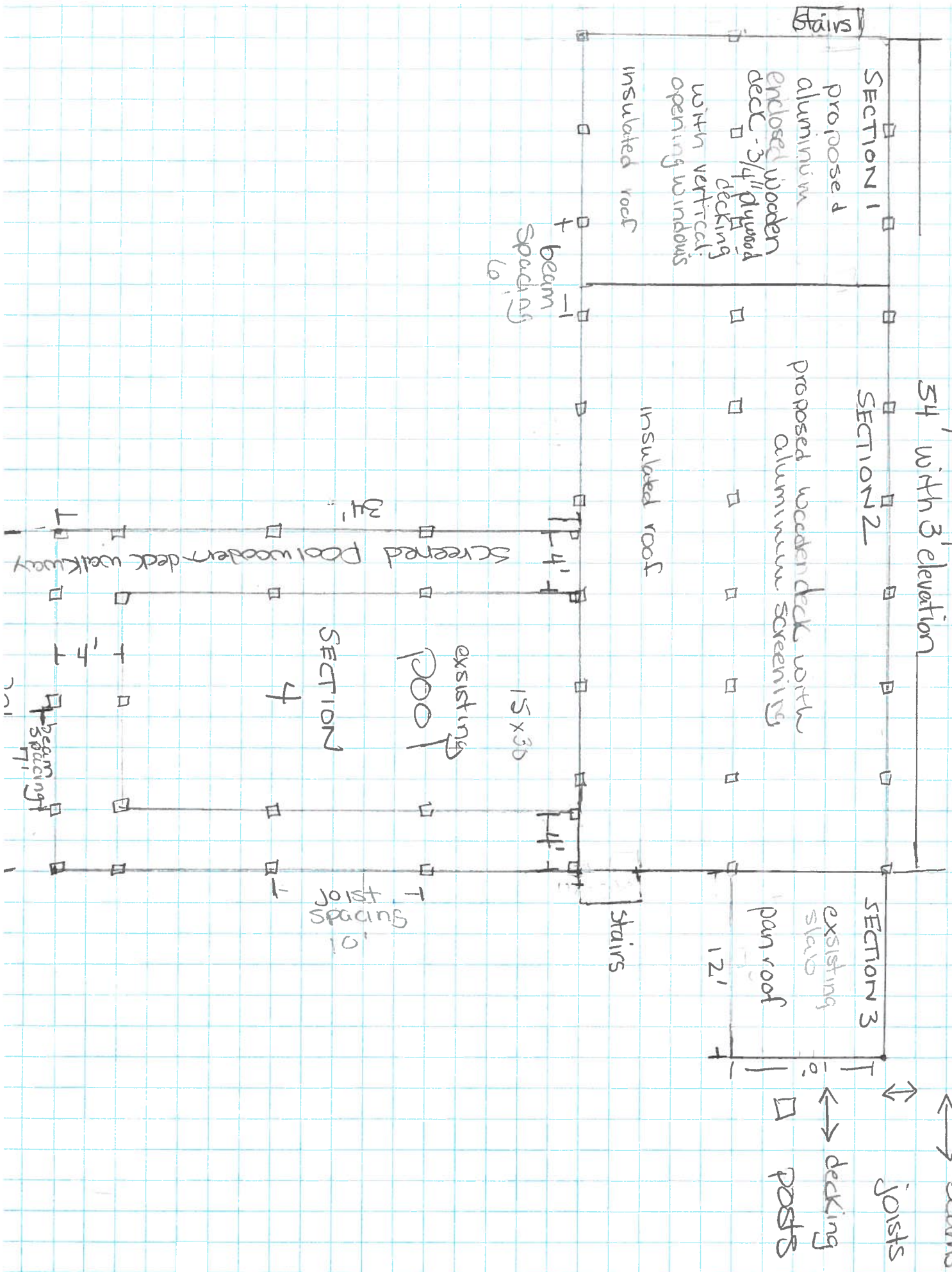
1/4" = 1'

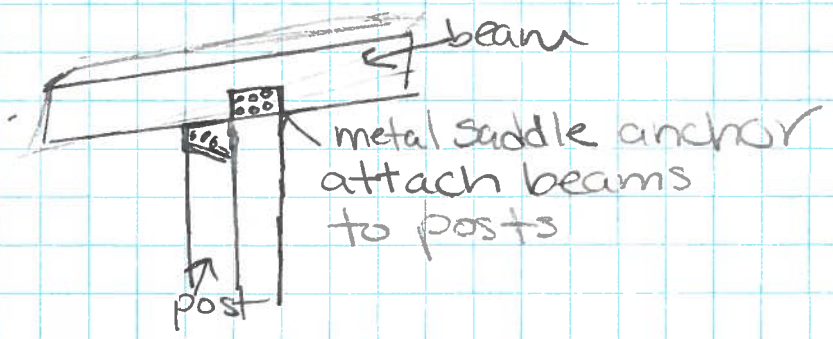
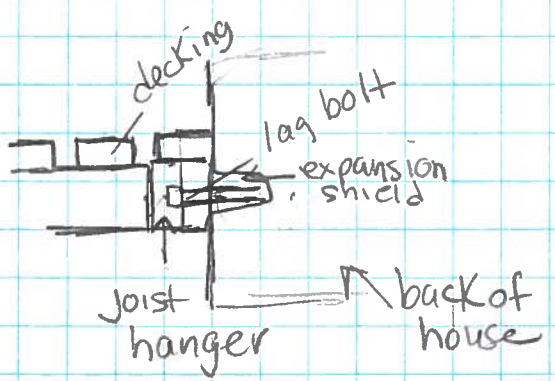
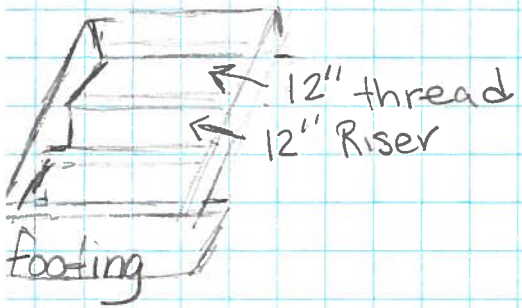
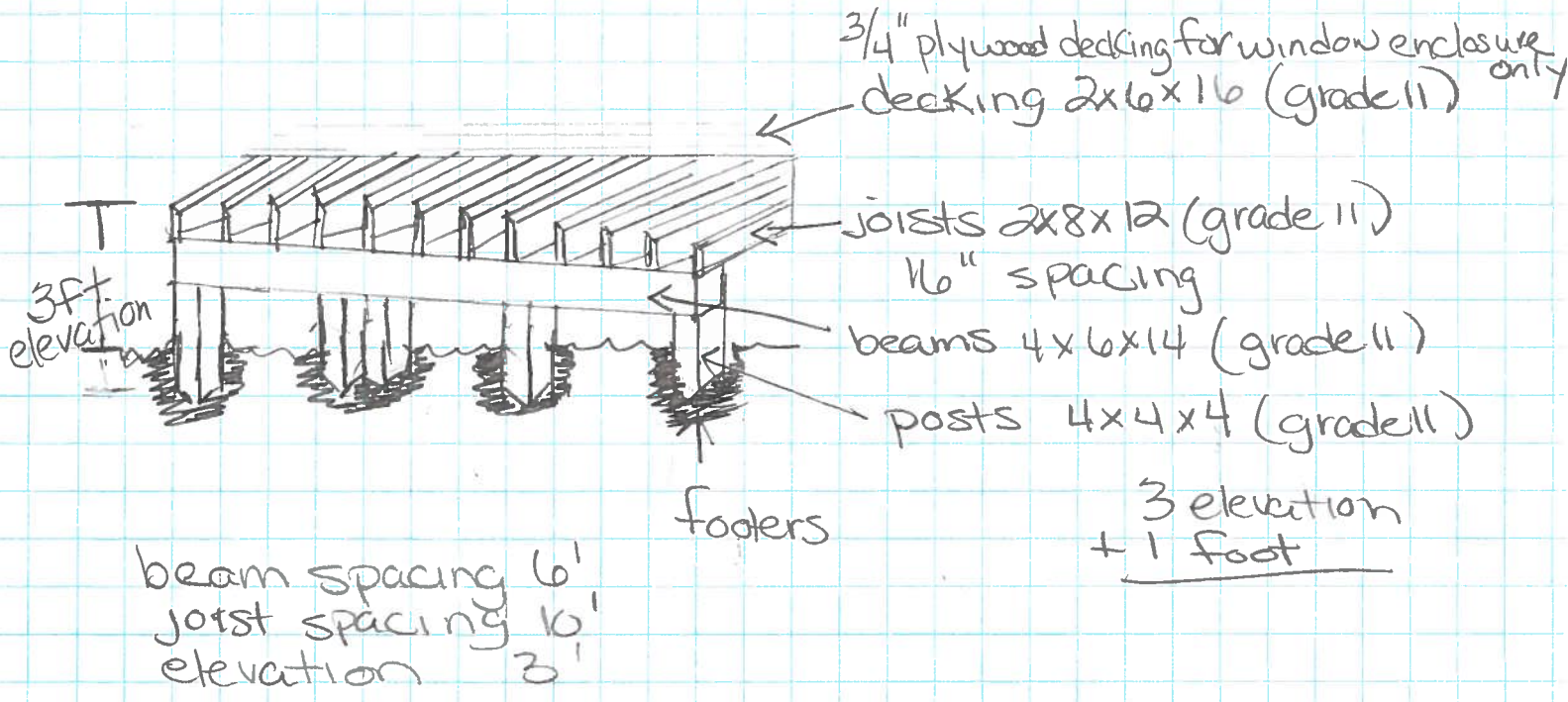
↔ beams

↕ joists

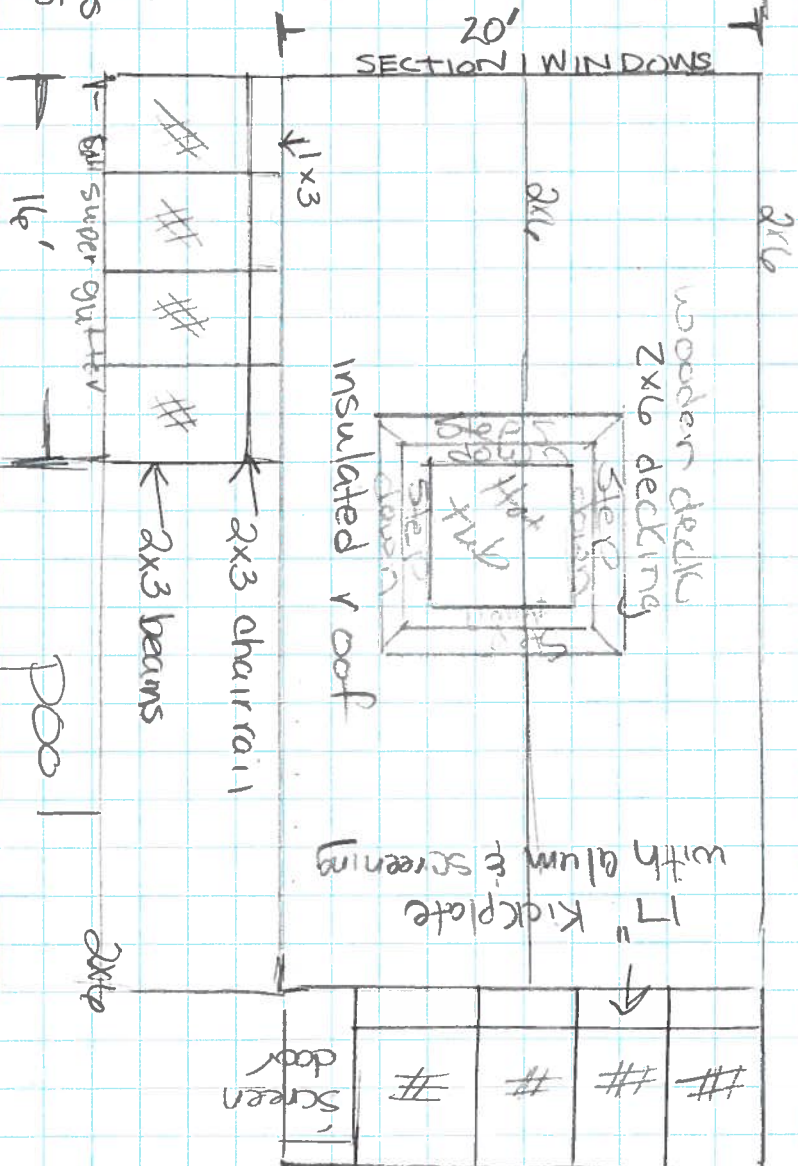
↔ decking

□ posts

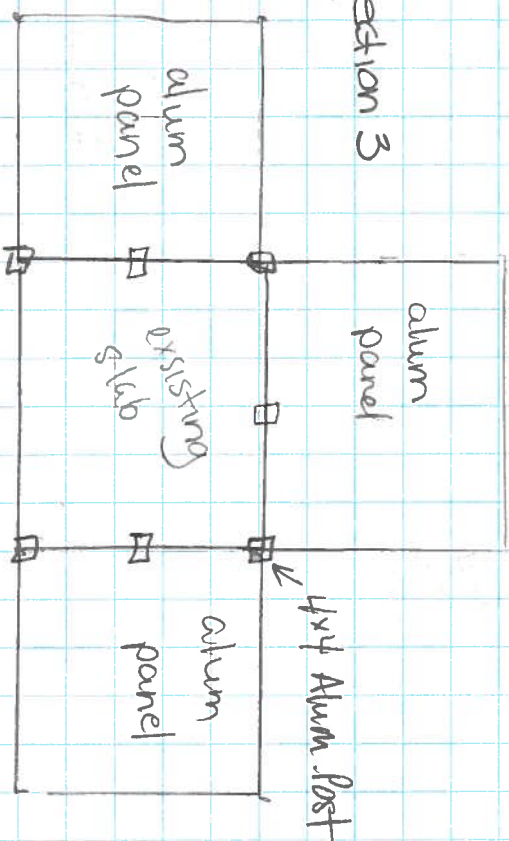




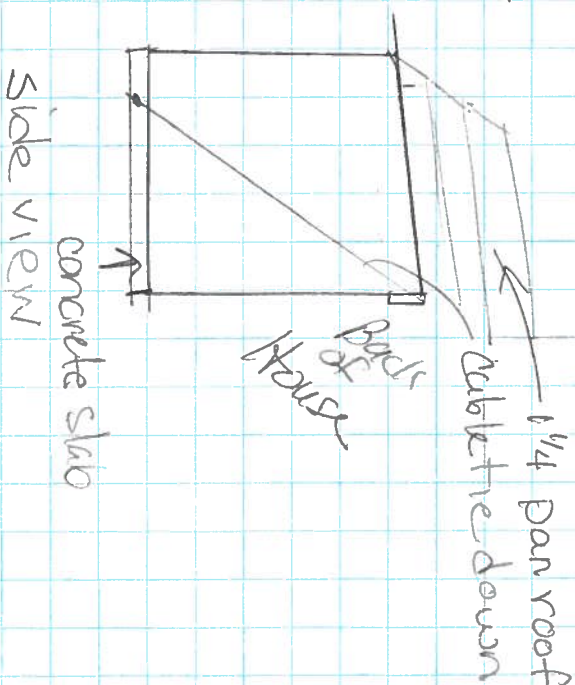
SECTION 2 Back of House



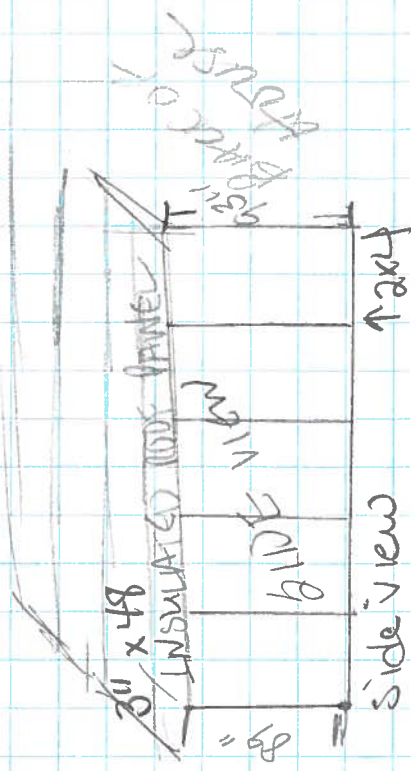
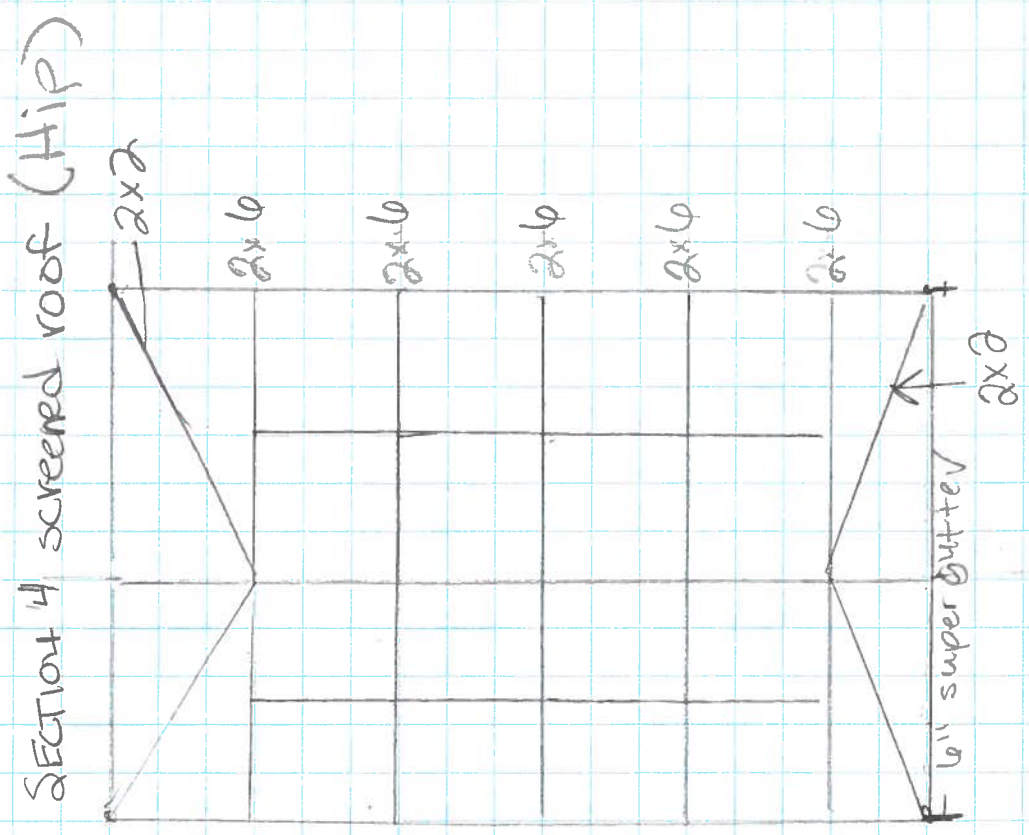
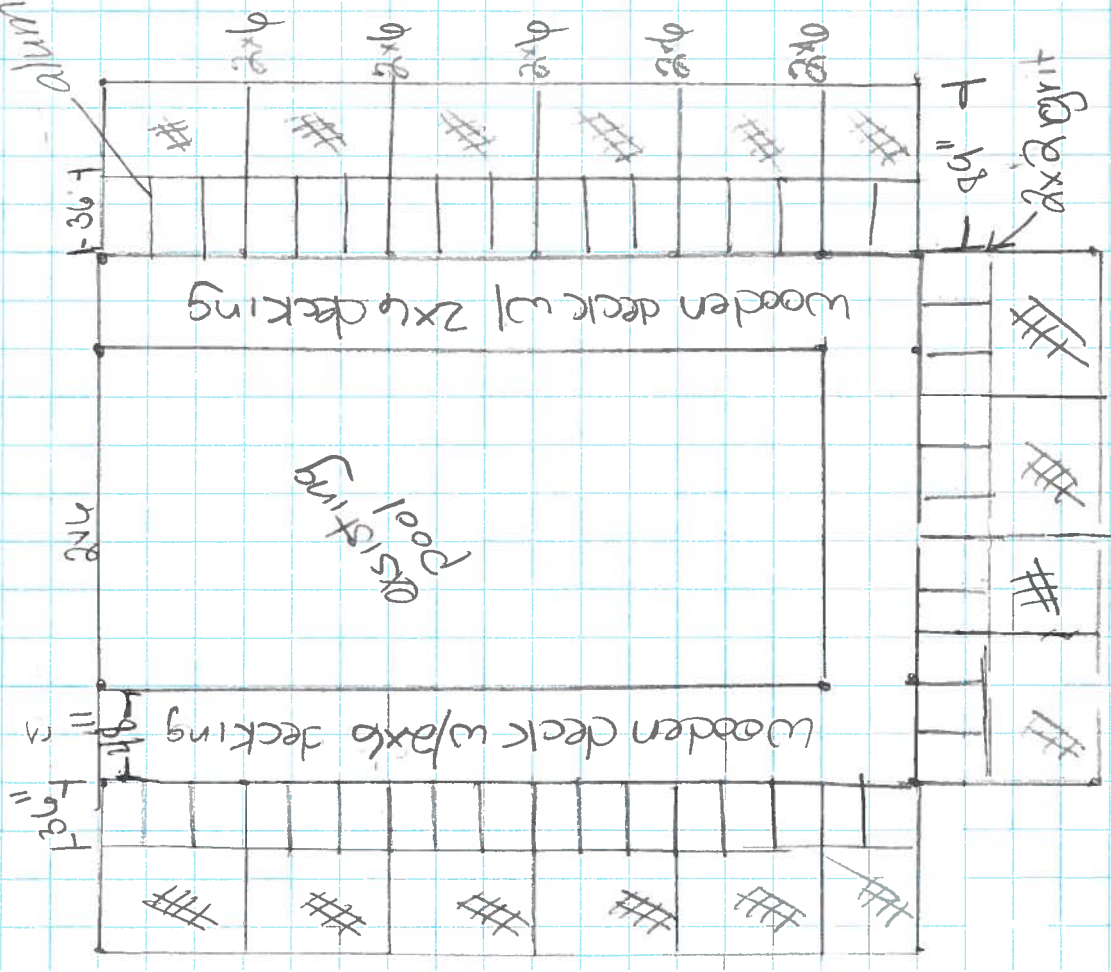
Section 3

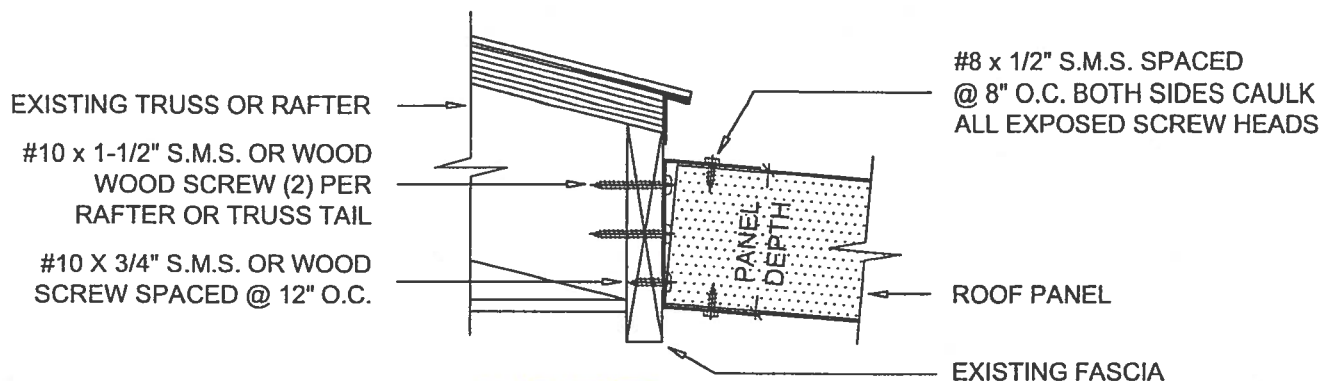


Section 4

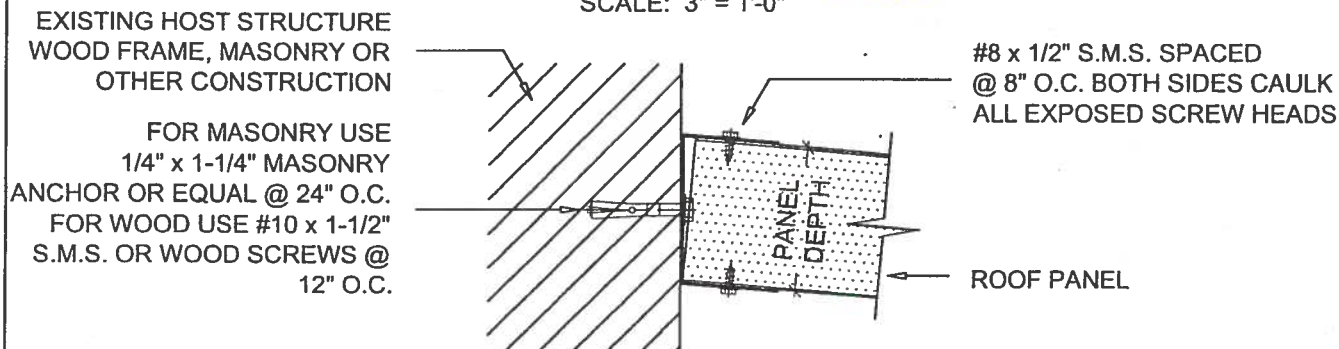


SECTION 1 Attached to Section 2



COMPOSITE ROOF ANCHORING DETAILS**ROOF PANEL TO FASCIA DETAIL**

SCALE: 3" = 1'-0"

**ROOF PANEL TO WALL DETAIL**

SCALE: 3" = 1'-0"

WOOD STRUCTURES SHOULD CONNECT TO TRUSS BUTTS OR THE SUB-FASCIA FRAMING WHERE POSSIBLE ONLY. 15% OF SCREWS CAN BE OUTSIDE THE TRUSS BUTTS. SUB-FASCIA AND THOSE AREAS SHALL HAVE DOUBLE ANCHORS. ALL SCREWS INTO THE HOST STRUCTURE SHALL HAVE MINIMUM 1-1/4" WASHERS OR SHALL BE WASHER HEADED SCREWS.

HEADER INSIDE DIMENSION SHALL BE EQUAL TO PANEL OR PAN'S DEPTH "t". THE WALL THICKNESS SHALL BE THE THICKNESS OF THE ALUMINUM PAN OR COMPOSITE PANEL WALL THICKNESS. HEADERS SHALL BE ANCHORED TO THE HOST STRUCTURE WITH ANCHORS APPROPRIATE FOR THE MATERIAL CONNECTED TO. THE ANCHORS DETAILED ABOVE ARE BASED ON A LOAD FROM 120 M.P.H. FOR SBC SECTION 1606 FOR A MAXIMUM POSSIBLE SPAN OF THE ROOF PANEL FROM THE HOST STRUCTURE.

ANCHORS BASED ON 120 MPH WIND VELOCITY. FOR HIGHER WIND ZONES USE THE FOLLOWING CONVERSION:

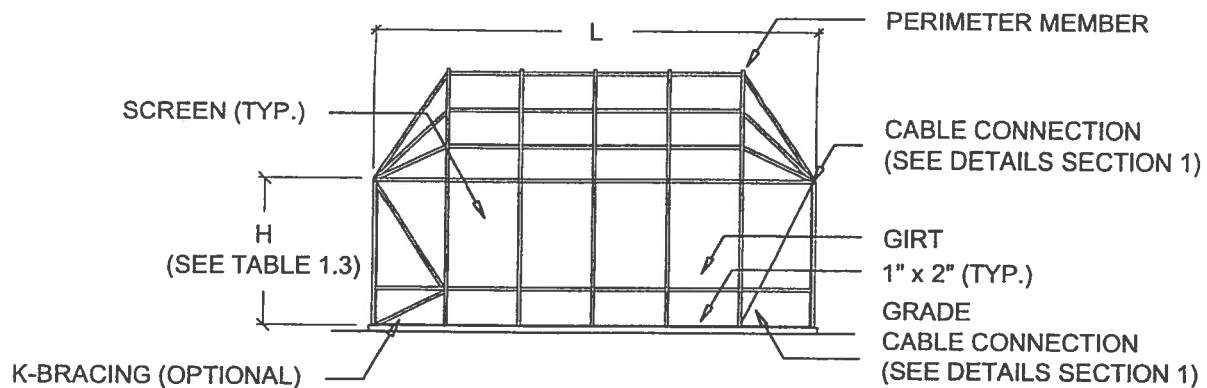
100 -123	130	140	150
#8	#10	#12	#12

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

CIVIL ENGINEER - DEVELOPMENT CONSULTANT
P.O. BOX 214368, SOUTH DAYTONA, FL 32121
TELEPHONE: (386) 767-4774
FAX: (386) 767-6556

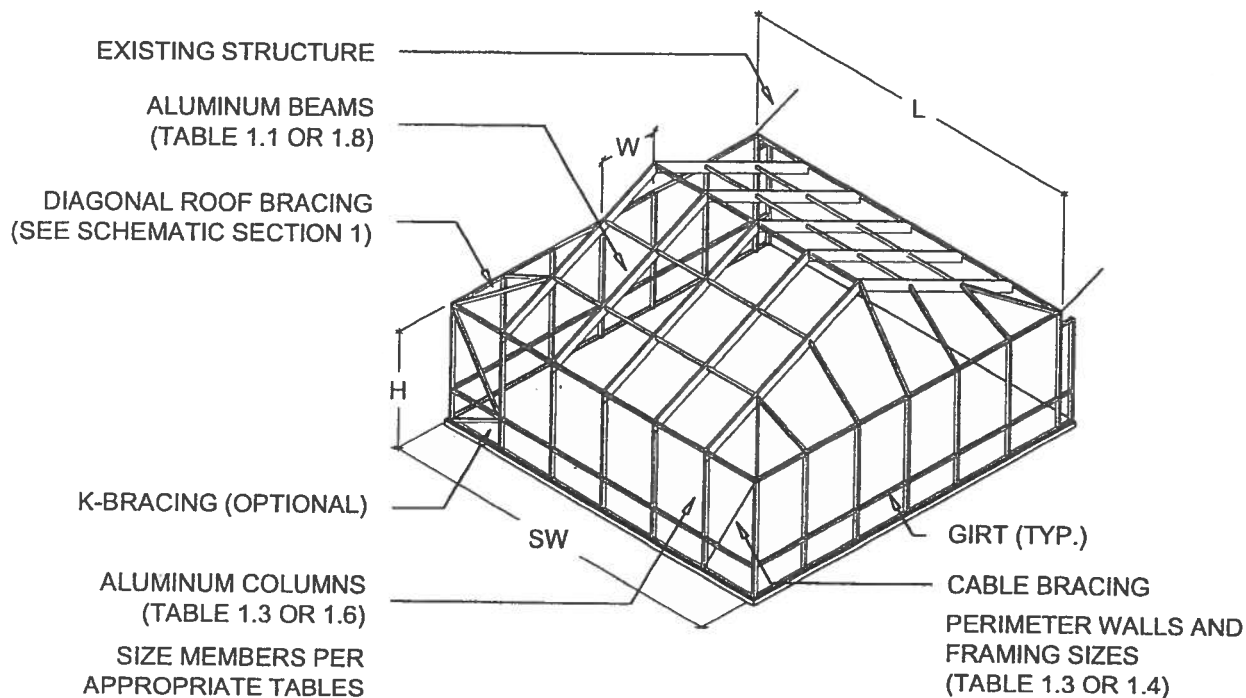
SECTION 1

SCREENED ENCLOSURES



TYPICAL MODIFIED HIP ROOF - ELEVATION

SCALE: N.T.S.



TYPICAL MODIFIED HIP ROOF - ISOMETRIC

SCALE: N.T.S.

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

CIVIL ENGINEER - DEVELOPMENT CONSULTANT

P.O. BOX 214368, SOUTH DAYTONA, FL 32121

TELEPHONE: (386) 767-4774

FAX: (386) 767-6556

SECTION 1

SCREENED ENCLOSURES

Table 1.3 Allowable Post / Upright Heights for Primary Screen Wall Frame Members
Aluminum Alloy 6063 T-6
For 3 second wind gust at velocity of 120 MPH or an applied load of 14 # / sq. ft.*

Hollow Sections	Tributary Load Width 'W' = Upright Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Height 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	8'-4" b	7'-3" b	6'-6" b	5'-11" b	5'-6" b	5'-1" b	4'-10" b
2" x 2" x 0.055"	9'-1" b	7'-11" b	7'-1" b	6'-5" b	5'-11" b	5'-7" b	5'-3" b
2" x 3" x 0.045"	11'-3" b	9'-9" b	8'-9" b	7'-11" b	7'-5" b	6'-11" b	6'-6" b
2" x 4" x 0.050"	12'-5" b	10'-9" b	9'-7" b	8'-9" b	8'-1" b	7'-7" b	7'-2" b

Self Mating Sections	Tributary Load Width 'W' = Upright Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Height 'H' / bending 'b' or deflection 'd'						
2" x 4" x 0.044 x 0.100"	16'-11" b	14'-8" b	13'-1" b	11'-11" b	11'-1" b	10'-4" b	9'-9" b
2" x 5" x 0.050" x 0.100"	20'-11" b	18'-1" b	16'-2" b	14'-9" b	13'-8" b	12'-10" b	12'-1" b
2" x 6" x 0.050" x 0.120"	24'-2" b	20'-11" b	18'-9" b	17'-1" b	15'-10" b	14'-10" b	13'-11" b
2" x 7" x 0.055" x 0.120"	27'-3" b	23'-7" b	21'-1" b	19'-3" b	17'-10" b	16'-8" b	15'-9" b
2" x 7" x 0.055" w/ insert	36'-3" b	31'-4" b	28'-1" b	25'-7" b	23'-9" b	22'-2" b	20'-11" b
2" x 8" x 0.072" x 0.224"	35'-2" b	30'-6" b	27'-3" b	24'-10" b	23'-0" b	21'-6" b	20'-4" b
2" x 9" x 0.072" x 0.224"	38'-2" b	33'-0" b	29'-6" b	26'-11" b	24'-11" b	23'-4" b	22'-0" b
2" x 9" x 0.082" x 0.310"	41'-10" b	36'-3" b	32'-5" b	29'-7" b	27'-5" b	25'-8" b	24'-2" b
2" x 10" x 0.092" x 0.369"	50'-4" b	43'-7" b	38'-11" b	35'-7" b	32'-11" b	30'-10" b	29'-1" b

Snap Sections	Tributary Load Width 'W' = Upright Spacing						
	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"
	Allowable Height 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	9'-11" b	8'-7" b	7'-8" b	7'-0" b	6'-6" b	6'-1" b	5'-9" b
2" x 3" x 0.045"	12'-9" b	11'-0" b	9'-10" b	9'-0" b	8'-4" b	7'-10" b	7'-4" b
2" x 4" x 0.045"	15'-7" b	13'-6" b	12'-1" b	11'-0" b	10'-2" b	9'-7" b	8'-11" b
2" x 6" x 0.062"	26'-5" b	22'-10" b	20'-5" b	18'-8" b	17'-3" b	16'-2" b	15'-3" b
2" x 7" x 0.062"	29'-5" b	25'-5" b	22'-9" b	20'-9" b	19'-3" b	17'-11" b	16'-11" b

* For allowable heights at wind velocities other than 120 MPH, see conversion table 1A on the specification page for tables at the beginning of this section and example below.

Note:

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
2. Using screen panel width 'W' select upright length 'H'.
3. Above heights do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
4. Site specific engineering required for pool enclosures over 20' in mean roof height.
5. Height is to be measured from center of beam and upright connection to fascia or wall connection.
6. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height can be considered as residential guardrails provided they are attached with min. (3) #10 x 1-1/2" S.M.S. into the screw bosses and do not exceed 8'-0" in span.
7. Heights may be interpolated.

CHECK TABLE 1.6 FOR MINIMUM UPRIGHT SIZE FOR BEAMS.

IF SPANS FOR 'C' EXPOSURE CATEGORY AND/OR WINDZONES OTHER THAN 120 MPH ARE REQUIRED, SEE EXAMPLE ON SPECIFICATION PAGE FOR TABLES AT THE BEGINNING OF THIS SECTION.

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Table 1.4 Allowable Post / Girt / Chair Rail Spans, Header Spans & Upright Heights for Secondary Screen Wall Frame Members

Aluminum Alloy 6063 T-6

For 3 second wind gust at velocity of 120 MPH or an applied load of 14 # / sq. ft.*

A. Sections As Horizontals Fastened To Posts With Clips

Hollow Sections	Tributary Load Width 'W'						
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-8"
	Allowable Heights 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	6'-10" d	6'-6" b	6'-1" b	5'-9" b	5'-6" b	5'-3" b	5'-0" b
2" x 2" x 0.055"	7'-3" d	6'-11" d	6'-8" b	6'-4" b	6'-0" b	5'-9" b	5'-6" b
3" x 2" x 0.045"	7'-9" d	7'-5" d	7'-1" d	6'-10" d	6'-7" b	6'-4" b	5'-11" b
2" x 3" x 0.045"	9'-4" b	8'-9" b	8'-3" b	7'-10" b	7'-5" b	7'-2" b	6'-9" b
2" x 4" x 0.050"	10'-3" b	9'-7" b	9'-0" b	8'-7" b	8'-2" b	7'-10" b	7'-5" b

Snap Sections	Allowable Heights 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	7'-6" d	7'-2" d	6'-11" d	6'-8" b	6'-4" b	6'-1" b	5'-9" b

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

Hollow Sections	Tributary Load Width 'W'						
	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-8"
	Allowable Heights 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	7'-9" b	7'-3" b	6'-10" b	6'-6" b	6'-2" b	5'-11" b	5'-7" b
2" x 2" x 0.055"	8'-5" b	7'-11" b	7'-5" b	7'-1" b	6'-9" b	6'-5" b	6'-1" b
3" x 2" x 0.045"	9'-3" b	8'-8" b	8'-2" b	7'-9" b	7'-5" b	7'-1" b	6'-8" b
2" x 3" x 0.045"	10'-5" b	9'-9" b	9'-2" b	8'-9" b	8'-4" b	7'-11" b	7'-7" b
2" x 4" x 0.050"	11'-6" b	10'-9" b	10'-1" b	9'-7" b	9'-2" b	8'-9" b	8'-4" b
Snap Sections	Allowable Heights 'H' / bending 'b' or deflection 'd'						
2" x 2" x 0.044"	9'-2" b	8'-7" b	8'-1" b	7'-8" b	7'-4" b	7'-0" b	6'-8" b

* For allowable heights at wind velocities other than 120 MPH, see conversion table 1A on the specifications for tables page at the beginning of this section and example below.

Notes:

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
2. Using screen panel width 'W' select girt lengths.
3. Site specific engineering required for pool enclosures over 20' in mean roof height.
4. Span is to be measured from center of beam and upright connection to fascia or wall connection.
5. Chair rails of 2" x 2" x 0.044" min. and set @ 36" in height can be considered as residential guardrails provided they are attached with min. (3) #10 x 1-1/2" S.M.S. into the screw bosses and do not exceed 8'-0" in span.
6. Girt spacing shall not exceed 6'-8".
7. Spans may be interpolated.

IF HEIGHTS FOR 'C' EXPOSURE CATEGORY AND/OR WINDZONES OTHER THAN 120 MPH ARE REQUIRED, SEE EXAMPLE ON SPECIFICATION PAGE FOR TABLES AT THE BEGINNING OF THIS SECTION.

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SCREENED ENCLOSURES

SECTION 1

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

Beam Size	Upright Size	Minimum Purlin, Girt & Knee Brace Size**	Deck Anchors	Notes	Minimum Number of Screws*			Beam Stitching Screw @ 24" O.C.
					#8 x 1/2"	#10 x 1/2"	#12 x 1/2"	
2" x 3"	2" x 3"	2" x 2" x 0.044"	2	Full Lap	6	4	4	-
2" x 4"	2" x 3"	2" x 2" x 0.044"	2	Full Lap	8	6	4	#8
2" x 4"	2" x 4"	2" x 2" x 0.044"	2	Full Lap	8	6	4	#10
2" x 5"	2" x 3"	2" x 2" x 0.044"	2	Full Lap	8	6	4	#8
2" x 6"	2" x 3"	2" x 2" x 0.044"	4	Full Lap	10	8	6	#10
2" x 6"	2" x 4"	2" x 2" x 0.044"	4	Partial Lap	10	8	6	#10
2" x 7"	2" x 4"	2" x 2" x 0.044"	4	Partial Lap	14	12	10	#12
2" x 8"	2" x 5"	2" x 3" x 0.044"	6	Partial Lap	16	14	12	#14
2" x 9"	2" x 6"	2" x 3" x 0.045"	6	Partial Lap	18	16	14	#14
2" x 9"	2" x 7"	2" x 4" x 0.050"	8	Partial Lap	20	18	16	#14
2" x 10"	2" x 8"	2" x 4" x 0.050"	10	Partial Lap	20	18	16	#14

Screw Size	Minimum Distance and Spacing of Screws		Gusset Plate Thickness	
	Edge To Center	Center To Center	Beam Size	Thickness
#8	5/16"	5/8"	2" x 7" x 0.055" x 0.120"	1/16" = 0.063"
#10	3/8"	3/4"	2" x 8" x 0.072" x 0.224"	1/8" = 0.125"
#12	1/2"	1"	2" x 9" x 0.072" x 0.224"	1/8" = 0.125"
#14 or 1/4"	3/4"	1-1/2"	2" x 9" x 0.082" x 0.306"	1/8" = 0.125"
5/16"	7/8"	1-3/4"	2" x 10" x 0.092" x 0.369"	1/4" = 0.25"
3/8"	1"	2"		

* Refers to each side of the connection of the beam and upright and each side of splice connection.

** 0.082" wall thickness, 0.310" flange thickness

Note:

1. Connection of 2" x 6" to 2" x 3" shall use a full lap cut or 1/16" gusset plate.
2. All gusset plates shall be a minimum of 5052 H-32 Alloy or have a minimum yield strength of 23 ksi.
3. For beam splice connections the number of screws shown is the total for each splice with 1/2 the screws on each side of the cut.
4. The number of screws is based on the maximum allowable moment of the beam.
5. The number of deck anchors is based on RAWL R Tapper allowable load data for 2,500 psi concrete and / or equal anchors may be used. The number shown is the total use 1/2 per side.
6. Hollow splice connections can be made provided the connection is approved by the engineer.
7. If a larger than minimum upright is used the number of screws is the same for each splice with 1/2 the screws on each side of the cut.
8. All beam to upright connections for 2" x 7" beams or larger shall have an internal or external gusset plates. Gusset plates are required for mansard or gable splice connections.
9. For gusset plate connections 2" x 9" beams or larger use 3/4" long screws.
10. The side wall upright shall have a minimum beam size as shown above, i.e., a 2" x 4" upright shall have a 2" x 3" beam.
11. Connect beam to upright w/ H-bar, gusset plate, or angle clips for each splice with 1/2 the screws on each side of the cut.
12. For girt size use upright size (i.e. 2" x 6"). Read the 2" x 6" beam row for min. girt of 2" x 2" x 0.044".

Table 1.7 Minimum Size Screen Enclosure Knee Braces and Anchoring Required
Aluminum 6063 T-6

Brace Length	Extrusion	Anchoring System
0' - 2'-0"	2" x 2" x 0.044"	2" H-Channel With (3) #10 x 1/2" EACH SIDE
To 3'-0"	2" x 3" x 0.045"	2" H-Channel With (3) #10 x 1/2" EACH SIDE
To 4'-6"	2" x 4" x 0.044" x 0.12"	2" H-Channel With (4) 3/4" long screws (size to be determined by beam size, see table 9.6)

(See Table 1.6 For Number And Size Of Screws)

Note:

1. For required knee braces greater than 4'-6" contact engineer for specifications and details.
2. Cantilever beam detail shown on page 1-32 shall be used for host structure attachment when knee brace length exceeds 4'-6".

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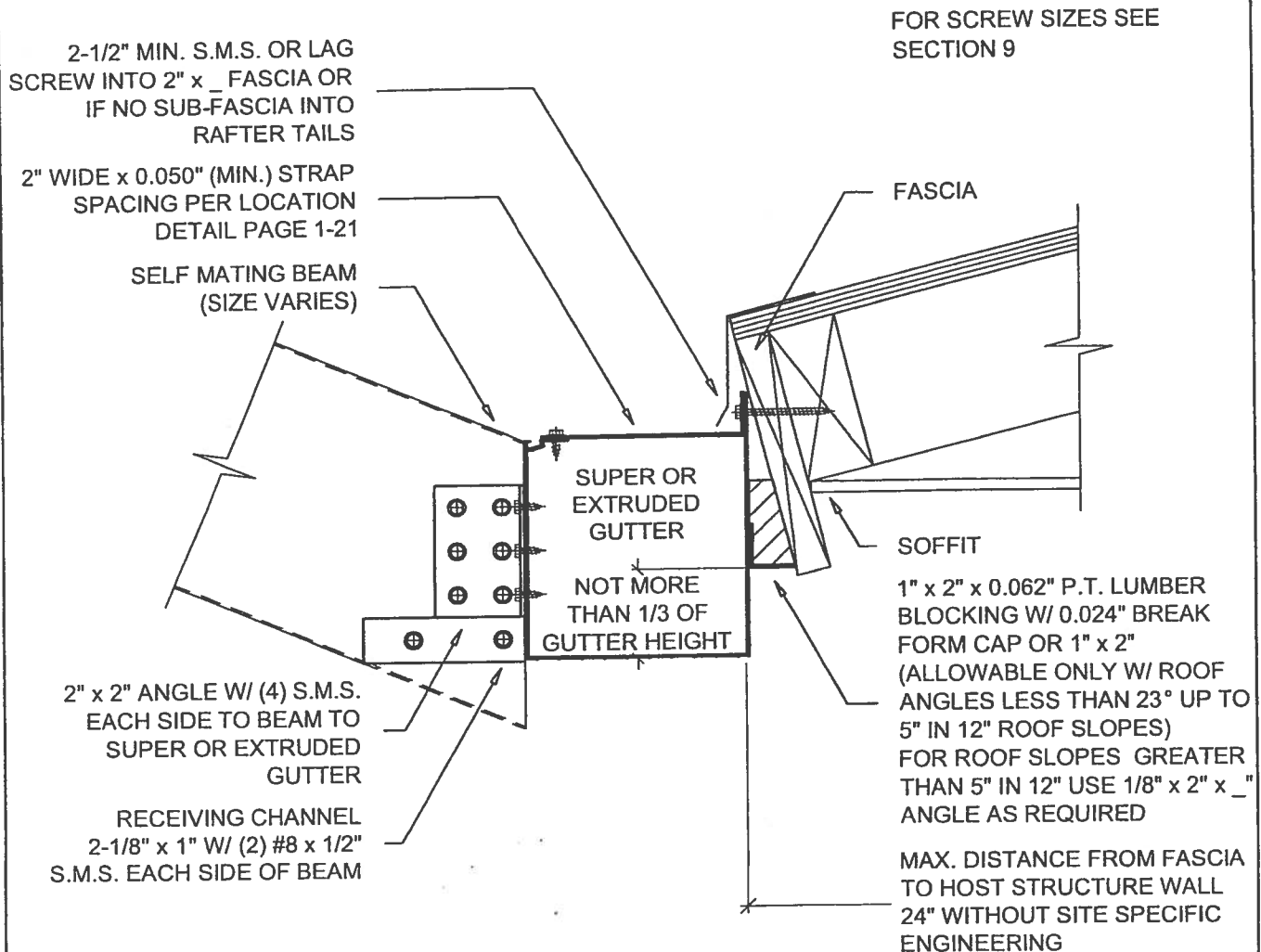
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SECTION 1

SCREENED ENCLOSURES



TYPICAL SELF MATING BEAM AND SUPER OR EXTRUDED GUTTER CONNECTION

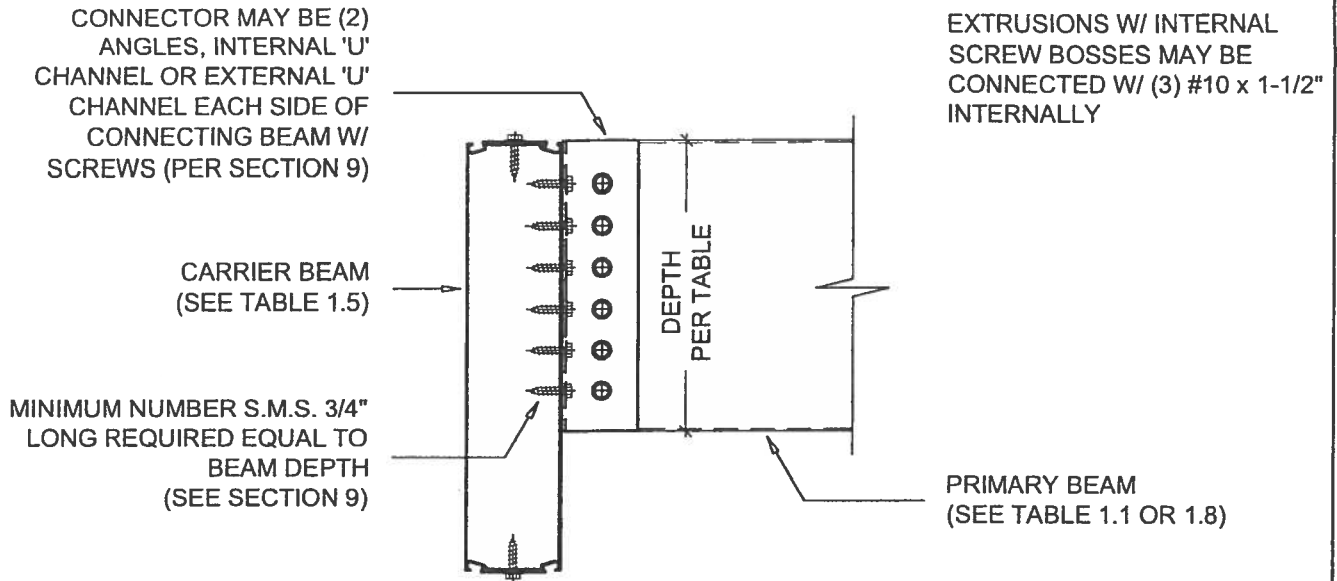
SCALE: 3" = 1'-0"

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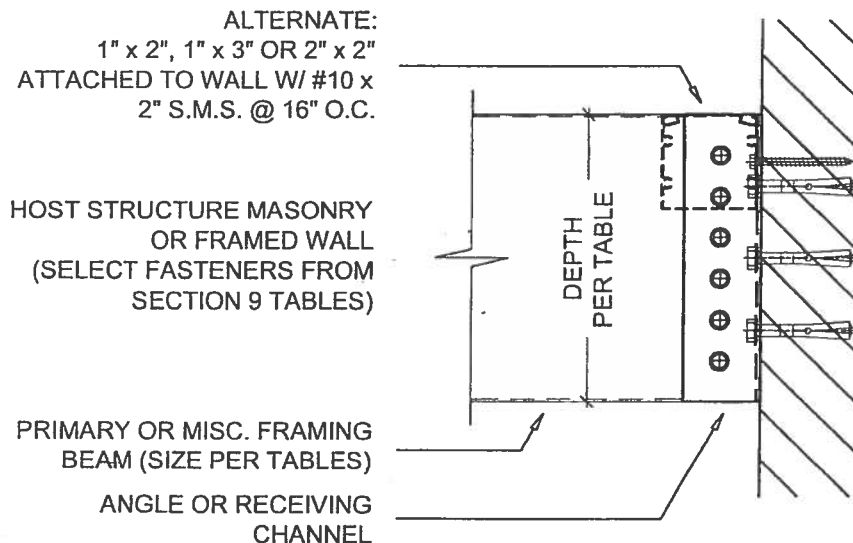
SCREENED ENCLOSURES

SECTION 1



CARRIER BEAM TO BEAM CONNECTION DETAIL

SCALE: 3" = 1'-0"



BEAM TO WALL CONNECTION:

(2) 2" x 2" x 0.060"
EXTERNALLY MOUNTED
ANGLES ATTACHED TO WOOD
FRAME WALL W/ MIN. (2) 3/8" x
2" LAG SCREWS PER SIDE OR
TO CONCRETE W/ (2) 1/4" x
2-1/4" ANCHORS OR MASONRY
WALL ADD (1) ANCHOR PER
SIDE FOR EACH INCH OF BEAM
DEPTH LARGER THAN 3"

ALTERNATE CONNECTION:

(1) 1-3/4" x 1-3/4" x 1-3/4" x 1/8"
INTERNAL U-CHANNEL
ATTACHED TO WOOD FRAME
WALL W/ MIN. (3) 3/8" x 2" LAG
SCREWS OR TO CONCRETE
OR MASONRY WALL W/ (3) 1/4"
x 2-1/4" ANCHORS OR ADD (1)
ANCHOR PER SIDE FOR EACH
INCH OF BEAM DEPTH
LARGER THAN 3"

BEAM TO WALL CONNECTION DETAIL

SCALE: 3" = 1'-0"

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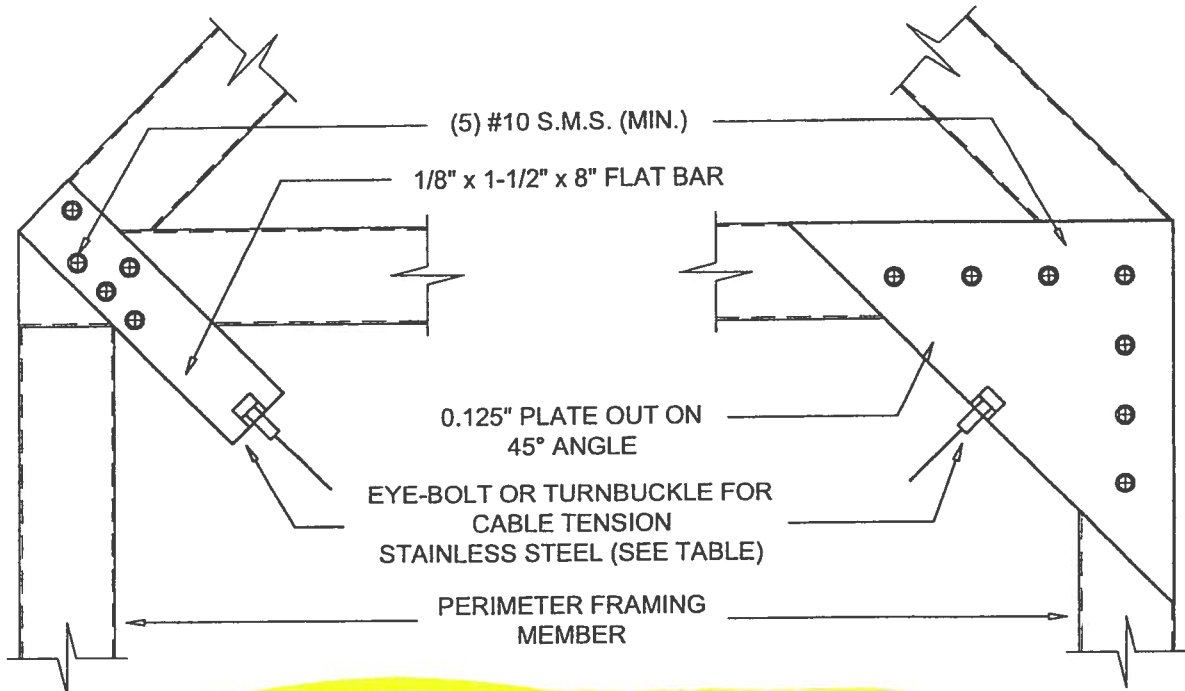
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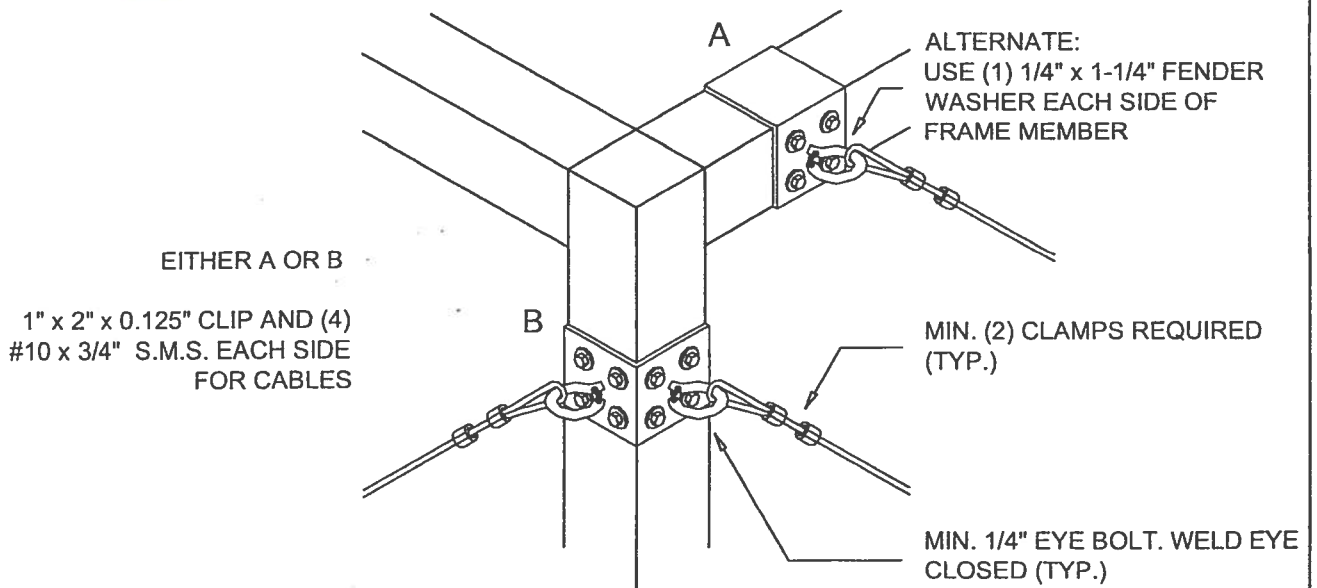
SCREENED ENCLOSURES

SECTION 1



TYPICAL CABLE CONNECTIONS AT CORNER - DETAIL 1

SCALE: 3" = 1'-0"



ALTERNATE TOP CORNER OF CABLE CONNECTION - DETAIL 1A

SCALE: 3" = 1'-0"

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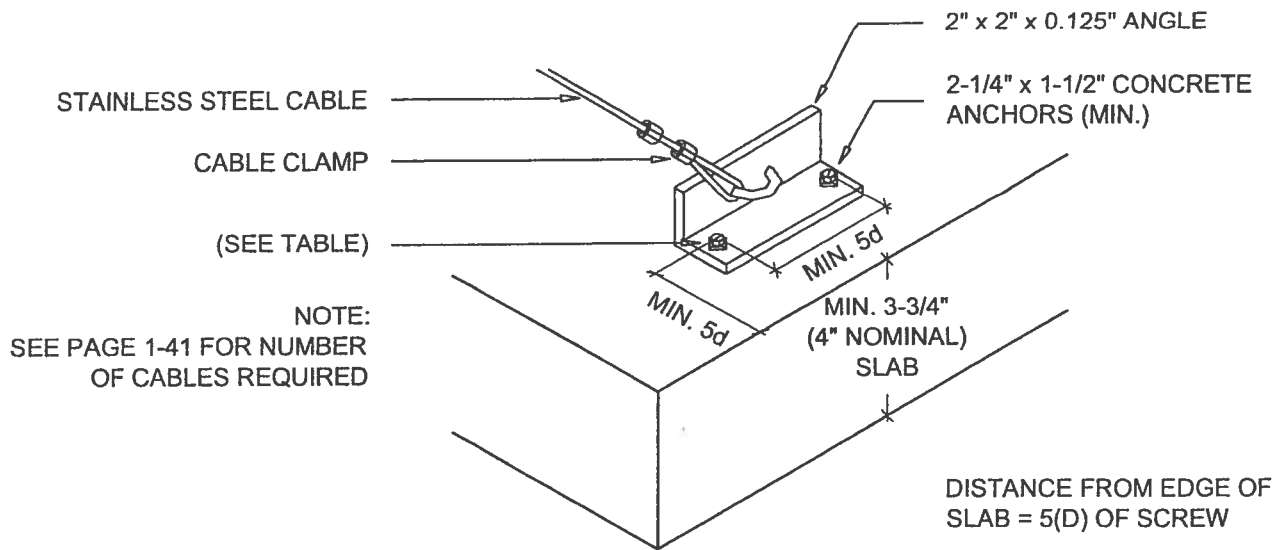
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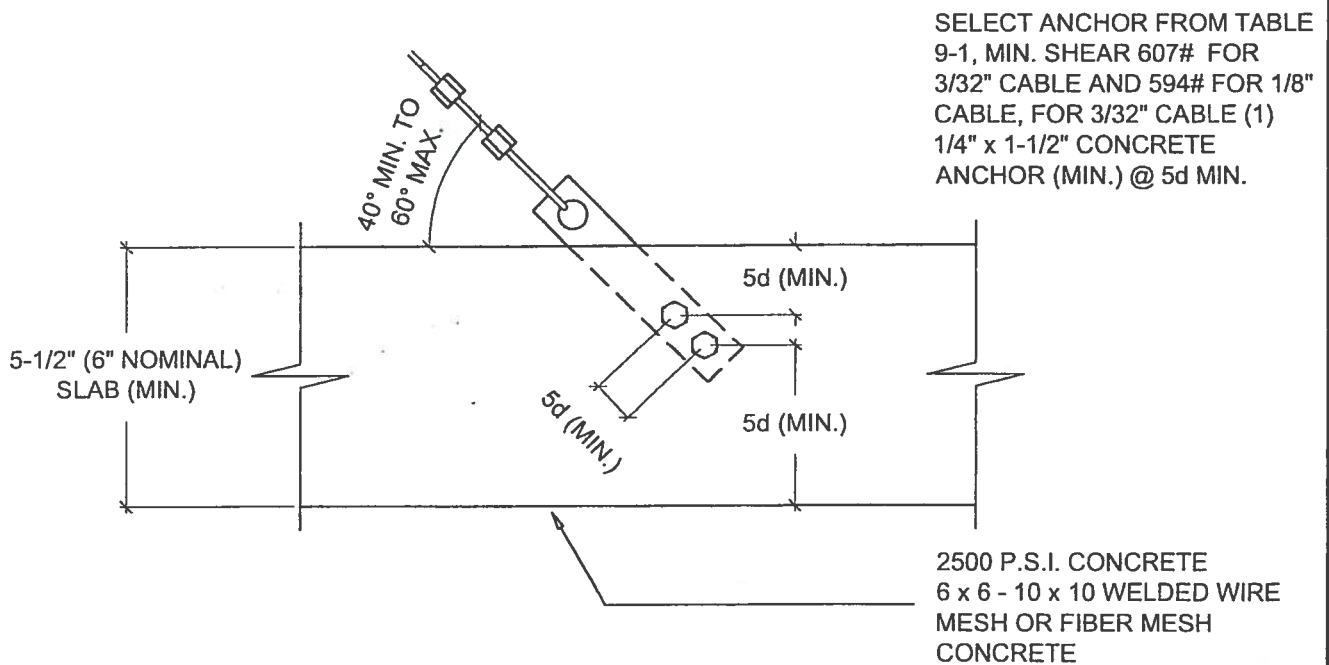
SCREENED ENCLOSURES

SECTION 1



ALTERNATE CABLE CONNECTION AT SLAB DETAIL - DETAIL 2B

SCALE: 3" = 1'-0"



ALTERNATE CABLE CONNECTIONS AT FOUNDATION - DETAIL 2C

SCALE: 3" = 1'-0"

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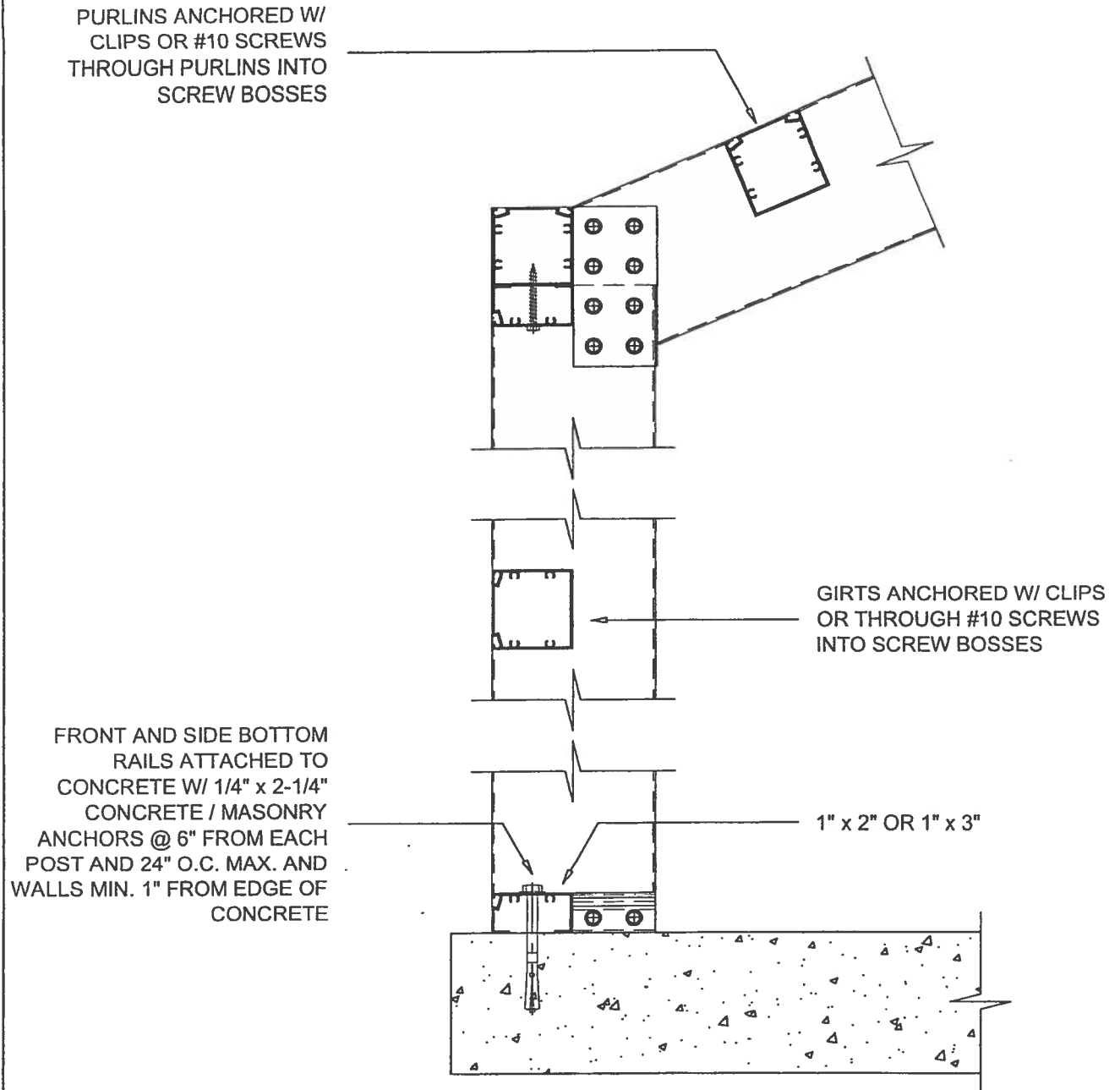
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SCREENED ENCLOSURES

SECTION 1



PURLIN & CHAIR RAIL DETAIL

SCALE: 3" = 1'-0"

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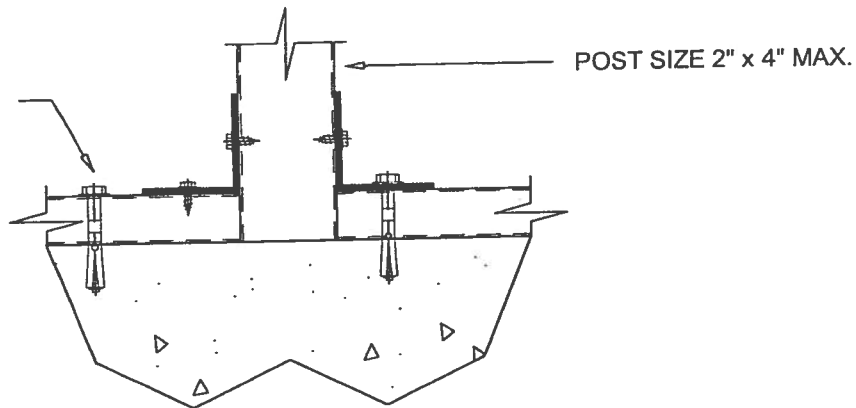
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SECTION 1**SCREENED ENCLOSURES**

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

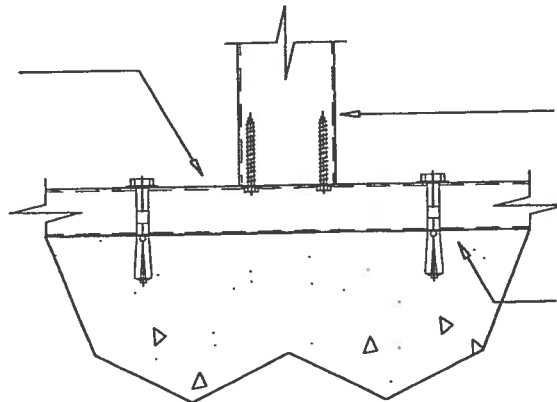
MIN. 3-1/2" SLAB 2500 P.S.I.
CONCRETE 6 x 6 - 10 x 10
WELDED WIRE MESH OR
FIBER MESH CONCRETE

**SIDE WALL POST TO PLATE TO CONCRETE DETAIL**

SCALE: 3" = 1'-0"

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

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



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

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

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

SIDE WALL HOLLOW POST TO BASE DETAIL

SCALE: 3" = 1'-0"

POOL ENCLOSURE UPRIGHT TO DECK ANCHOR REQUIREMENTS**General Notes and Specifications:**

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

EXAMPLE:

FOR A 2" x 6" BEAM WITH A SPAN OF 23' AND A BEAM & UPRIGHT SPACING
OF 7' USE:

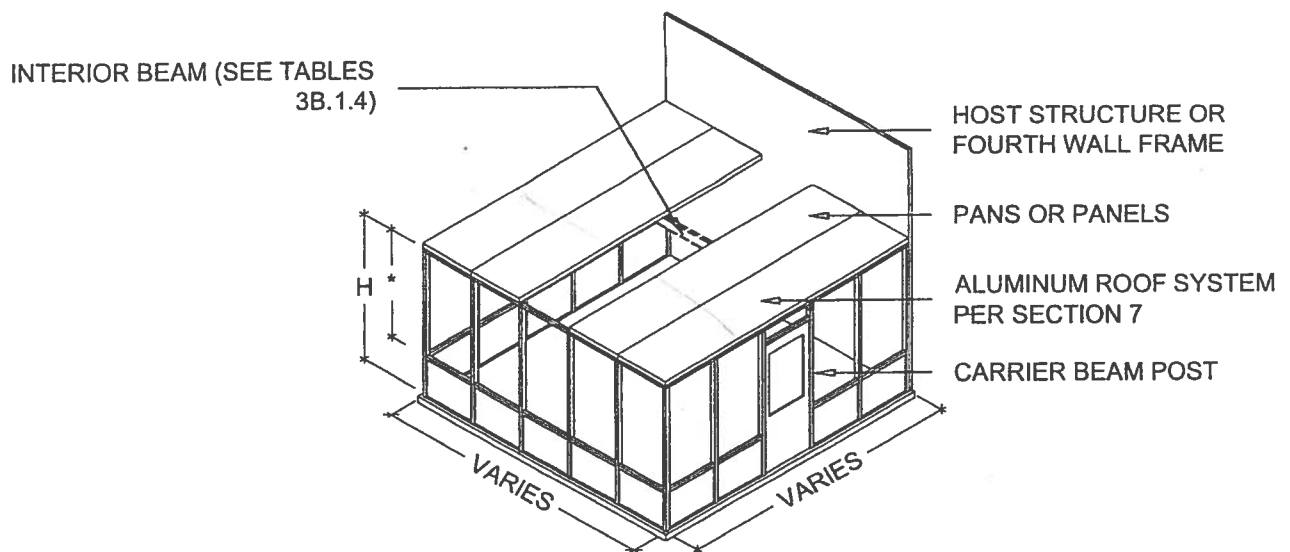
$$1/2 \times 17'-11" \times 7' \times 10\# / \text{Sq. Ft.} = 627.2\# \text{ UPLIFT}$$

2. Table 1.6 of this manual uses the worst case loads for all cases.

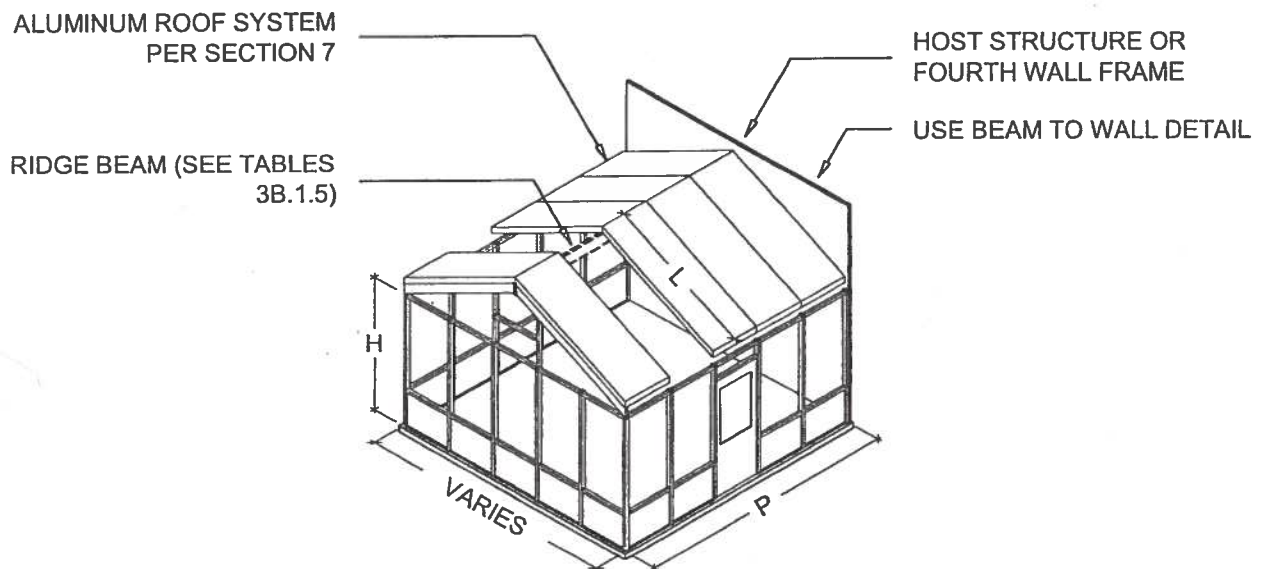
3. In all cases there must be a primary anchor within 6" of each side of the upright.

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**TYPICAL SLOPED SOLID ROOF ENCLOSURE**

SCALE: N.T.S.

**TYPICAL GABLE SOLID ROOF ENCLOSURE**

SCALE: N.T.S.

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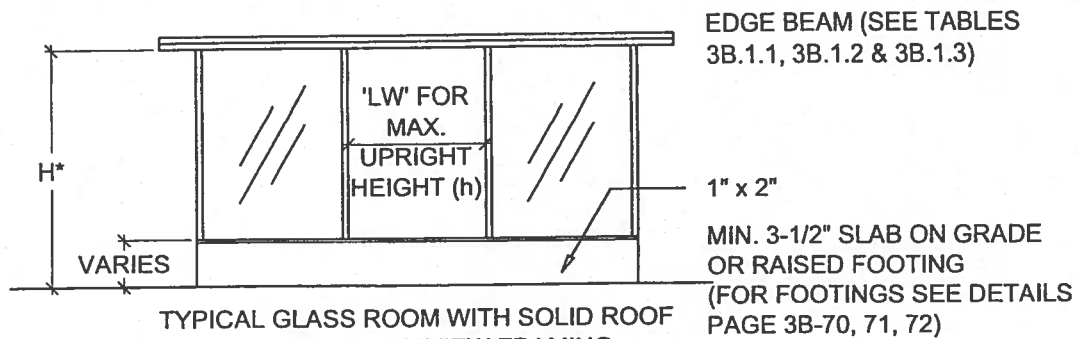
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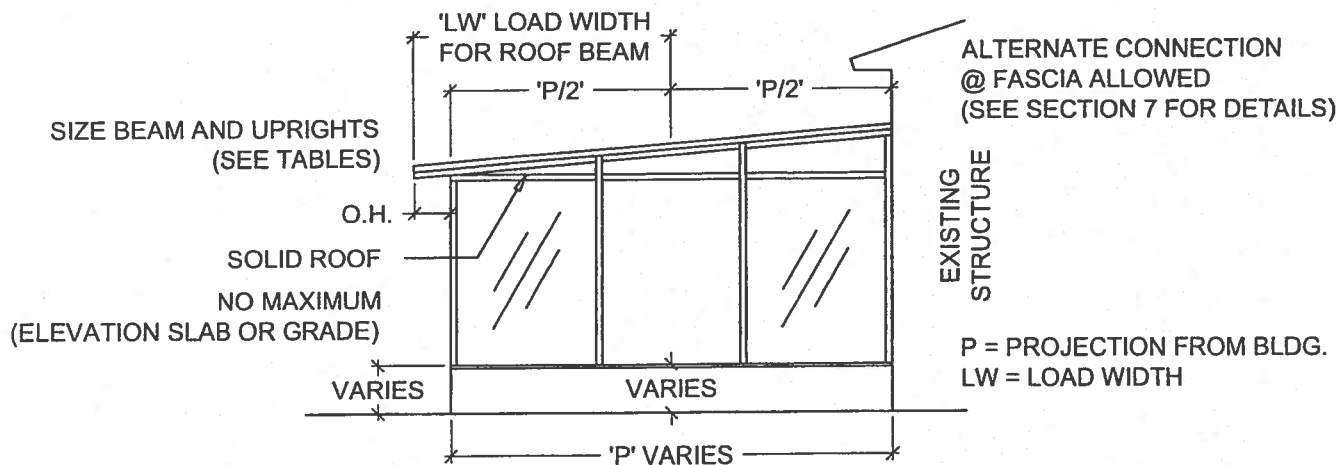
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GLASS & MODULAR ROOMS



* (HEIGHT OF UPRIGHT IS MEASURED FROM TOP OF 1" x 2" PLATE TO BOTTOM OF WALL BEAM)



NOTES:

- ANCHOR 1" x 2" OPEN BACK EXTRUSION W/ 1/4" x 2-1/4" CONCRETE FASTENER MAX. OF 2'-0" O.C. AND W/ IN 6" EACH SIDE OF UPRIGHT ANCHOR 1" x 2" TO WOOD WALL W/ #10 x 2-1/2" S.M.S. W/ WASHERS OR #10 x 2-1/2" WASHER HEADED SCREW 2'-0" O.C.. ANCHOR BEAM AND COLUMN INTERNALLY OR W/ ANCHOR CLIPS AND (2) #8 SCREWS W/ WASHERS @ EACH POINT OF CONNECTION.
- SELECT FRONT WALL BEAM FROM TABLE USING LARGER LOAD WIDTH VALUE OF P/2 OR P/2 + O.H.
- SELECT SCREEN ROOM FORTH WALL BEAM FROM TABLE 3.1.3 AND GLASS ROOM FOURTH WALL BEAMS FROM TABLE 3B.1.4 USING P/2
- ANCHORS BASED ON 120 MPH WIND VELOCITY. FOR HIGHER WIND ZONES USE THE FOLLOWING CONVERSION:

100 -123	130	140	150
----------	-----	-----	-----

100 -123	130	140	150
#8	#10	#12	#12

TYPICAL GLASS ROOM

SCALE: 3/16" = 1'-0"

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SECTION 3B

GLASS & MODULAR ROOMS

Table 3B.1.1-110 Allowable Edge Beam Spans - Hollow Extrusions
Glass & Modular Rooms

For 3 second wind gust at 110 MPH velocity; using design load of 23 #/SF (36 #/SF for Max. Cantilever)

Aluminum Alloy 6063 T-6

2" x 2" x 0.044"					2" x 2" x 0.055"				
Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	4'-2" d	5'-1" b	4'-10" b	1'-1" d	5	4'-5" d	5'-6" d	5'-4" b	1'-2" d
6	3'-11" d	4'-7" b	4'-5" b	1'-0" d	6	4'-2" d	5'-0" b	4'-10" b	1'-1" d
7	3'-9" d	4'-3" b	4'-1" b	0'-11" d	7	3'-11" d	4'-8" b	4'-6" b	1'-0" d
8	3'-7" d	3'-11" b	3'-10" b	0'-11" d	8	3'-9" d	4'-4" b	4'-2" b	0'-11" d
9	3'-4" b	3'-9" b	3'-8" b	0'-10" d	9	3'-8" d	4'-1" b	3'-11" b	0'-11" d
10	3'-2" b	3'-7" b	3'-5" b	0'-10" d	10	3'-6" b	3'-11" b	3'-9" b	0'-11" d
11	3'-0" b	3'-5" b	3'-3" b	0'-10" d	11	3'-4" b	3'-9" b	3'-7" b	0'-10" d
12	2'-11" b	3'-3" b	3'-2" b	0'-10" d	12	3'-2" b	3'-7" b	3'-5" b	0'-10" d
3" x 2" x 0.045"					3" x 2" x 0.070"				
Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	4'-9" d	5'-10" d	5'-10" b	1'-2" d	5	5'-4" d	6'-7" d	6'-8" d	1'-4" d
6	4'-5" d	5'-6" d	5'-4" b	1'-2" d	6	4'-11" d	6'-2" d	6'-3" d	1'-3" d
7	4'-3" d	5'-1" b	4'-11" b	1'-1" d	7	4'-9" d	5'-10" d	5'-11" b	1'-3" d
8	4'-0" d	4'-9" b	4'-7" b	1'-0" d	8	4'-6" d	5'-7" d	5'-6" b	1'-2" d
9	3'-11" d	4'-6" b	4'-4" b	0'-11" d	9	4'-4" d	5'-4" b	5'-2" b	1'-1" d
10	3'-9" d	4'-3" b	4'-2" b	0'-11" d	10	4'-3" d	5'-1" b	4'-11" b	1'-1" d
11	3'-8" d	4'-1" b	3'-11" b	0'-11" d	11	4'-1" d	4'-10" b	4'-8" b	1'-0" d
12	3'-6" b	3'-11" b	3'-9" b	0'-11" d	12	3'-11" d	4'-8" b	4'-6" b	1'-0" d
2" x 3" x 0.045"					2" x 4" x 0.050"				
Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')				Load Width (ft.)	Max. Span 'L' / (bending 'b' or deflection 'd')			
	1 & 2 Span	3 Span	4 Span	Max. Cantilever		1 & 2 Span	3 Span	4 Span	Max. Cantilever
5	5'-10" d	6'-10" b	6'-7" b	1'-6" d	5	7'-7" d	8'-8" b	8'-5" b	1'-11" d
6	5'-6" d	6'-3" b	6'-0" b	1'-5" d	6	7'-1" b	7'-11" b	7'-8" b	1'-10" d
7	5'-2" b	5'-9" b	5'-7" b	1'-4" d	7	6'-7" b	7'-4" b	7'-1" b	1'-9" d
8	4'-10" b	5'-5" b	5'-2" b	1'-3" d	8	6'-2" b	6'-11" b	6'-8" b	1'-8" d
9	4'-7" b	5'-1" b	4'-11" b	1'-3" d	9	5'-10" b	6'-6" b	6'-3" b	1'-7" d
10	4'-4" b	4'-10" b	4'-8" b	1'-2" d	10	5'-6" b	6'-2" b	5'-11" b	1'-6" d
11	4'-1" b	4'-7" b	4'-5" b	1'-2" d	11	5'-3" b	5'-10" b	5'-8" b	1'-6" d
12	3'-11" b	4'-5" b	4'-3" b	1'-1" d	12	5'-0" b	5'-7" b	5'-5" b	1'-5" d

Notes:

1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
2. Spans may be interpolated.

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SECTION 3B

GLASS & MODULAR ROOMS

**Table 3B.2.1 Allowable Upright Heights, Chair Rail Spans or Header Spans
For Glass & Modular Rooms
Aluminum Alloy 6063 T-6**

For 3 second wind gust at 110 MPH velocity; using design load of 18 #/SF

Sections	Tributary Load Width 'W' = Purlin Spacing									
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
	Allowable Height 'H' / bending 'b' or deflection 'd'									
2" x 2" x 0.044" Hollow	6'-10" d	6'-6" d	6'-2" d	5'-11" d	5'-8" b	5'-5" b	5'-2" b	5'-0" b	4'-10" b	4'-8" b
2" x 2" x 0.055" Hollow	7'-3" d	6'-10" d	6'-7" d	6'-4" d	6'-1" d	5'-11" d	5'-8" b	5'-6" b	5'-3" b	5'-1" b
3" x 2" x 0.045" Hollow	7'-9" d	7'-4" d	7'-0" d	6'-9" d	6'-6" d	6'-4" d	6'-2" d	5'-11" d	5'-9" b	5'-7" b
3" x 2" x 0.070" Hollow	8'-8" d	8'-3" d	7'-11" d	7'-7" d	7'-4" d	7'-1" d	6'-11" d	6'-9" d	6'-7" d	6'-5" d
2" x 3" x 0.045" Hollow	9'-7" d	9'-1" d	8'-7" b	8'-1" b	7'-8" b	7'-4" b	7'-0" b	6'-9" b	6'-6" b	6'-3" b
2" x 4" x 0.050" Hollow	12'-5" d	11'-9" b	11'-0" b	10'-4" b	9'-10" b	9'-5" b	8'-11" b	8'-8" b	8'-4" b	8'-0" b
2" x 5" x 0.050" S.M.B.	17'-2" d	16'-4" d	15'-7" d	15'-0" d	14'-3" b	13'-7" b	13'-0" b	12'-6" b	12'-1" b	11'-8" b
2" x 6" x 0.050" S.M.B.	20'-1" d	19'-1" d	18'-3" d	17'-5" b	16'-6" b	15'-9" b	15'-1" b	14'-6" b	13'-11" b	13'-6" b
2" x 2" x 0.044" Snap	7'-8" d	7'-4" d	6'-11" d	6'-9" d	6'-6" d	6'-3" d	6'-1" d	5'-11" d	5'-9" b	5'-7" b
2" x 3" x 0.045" Snap	10'-4" d	9'-10" d	9'-5" d	9'-1" d	8'-8" b	8'-4" b	7'-11" b	7'-8" b	7'-4" b	7'-1" b
2" x 4" x 0.045" Snap	13'-1" d	12'-5" d	11'-11" d	11'-3" b	10'-8" b	10'-2" b	9'-9" b	9'-4" b	8'-11" b	8'-8" b

For 3 second wind gust at 120 MPH velocity; using design load of 22 #/SF

Sections	Tributary Load Width 'W' = Purlin Spacing									
	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
	Allowable Height 'H' / bending 'b' or deflection 'd'									
2" x 2" x 0.044" Hollow	6'-5" d	6'-1" d	5'-9" b	5'-5" b	5'-2" b	4'-11" b	4'-8" b	4'-6" b	4'-4" b	4'-3" b
2" x 2" x 0.055" Hollow	6'-9" d	6'-5" d	6'-2" d	5'-11" d	5'-8" b	5'-4" b	5'-2" b	4'-11" b	4'-9" b	4'-7" b
3" x 2" x 0.045" Hollow	7'-3" d	6'-10" d	6'-7" d	6'-4" d	6'-1" d	5'-11" b	5'-8" b	5'-5" b	5'-3" b	5'-1" b
3" x 2" x 0.070" Hollow	8'-1" d	7'-9" d	7'-5" d	7'-1" d	6'-10" d	6'-8" d	6'-5" d	6'-3" d	6'-1" d	5'-11" d
2" x 3" x 0.045" Hollow	8'-11" d	8'-4" b	7'-9" b	7'-4" b	6'-11" b	6'-8" b	6'-4" b	6'-1" b	5'-11" b	5'-8" b
2" x 4" x 0.050" Hollow	11'-6" b	10'-8" b	9'-11" b	9'-5" b	8'-11" b	8'-6" b	8'-1" b	7'-10" b	7'-6" b	7'-3" b
2" x 5" x 0.050" S.M.B.	16'-1" d	15'-3" d	14'-5" b	13'-7" b	12'-11" b	12'-4" b	11'-9" b	11'-4" b	10'-11" b	10'-7" b
2" x 6" x 0.050" S.M.B.	18'-10" d	17'-10" b	16'-8" b	15'-9" b	14'-11" b	14'-3" b	13'-8" b	13'-1" b	12'-8" b	12'-2" b
2" x 2" x 0.044" Snap	7'-2" d	6'-10" d	6'-6" d	6'-3" d	6'-1" d	5'-10" b	5'-7" b	5'-5" b	5'-2" b	5'-0" b
2" x 3" x 0.045" Snap	9'-8" d	9'-3" d	8'-10" b	8'-4" b	7'-10" b	7'-6" b	7'-2" b	6'-11" b	6'-8" b	6'-5" b
2" x 4" x 0.045" Snap	12'-3" d	11'-6" b	10'-9" b	10'-2" b	9'-8" b	9'-2" b	8'-9" b	8'-5" b	8'-2" b	7'-10" b

Notes:

1. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
2. Spans may be interpolated.

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GLASS & MODULAR ROOMS

SECTION 3B

Table 3B.5.1 Allowable Spans for Industry Standard Composite Roof Panels for Various Loads for 3" Modular Rooms

Aluminum Alloy 3105 H-14 or H-25 1.0 EPS Core Density Foam

3" x 48" x 0.024" Panels					3" x 48" x 0.030" Panels				
Wind Region	Enclosed			Overhang / Cantilever All Roofs	Wind Region	Enclosed			Overhang / Cantilever All Roofs
	1&2 span	3 span	4 span			1&2 span	3 span	4 span	
100 MPH	11'-8"	13'-8"	13'-3"	4'-0"	100 MPH	14'-6"	16'-2"	15'-8"	4'-0"
110 MPH	10'-6"	12'-6"	11'-5"	4'-0"	110 MPH	13'-3"	14'-9"	14'-3"	4'-0"
120 MPH	9'-8"	10'-10"	10'-6"	4'-1"	120 MPH	11'-5"	13'-5"	13'-0"	4'-0"
123 MPH	9'-6"	10'-7"	10'-3"	3'-11"	123 MPH	11'-2"	13'-1"	12'-8"	4'-0"
130 MPH	9'-0"	10'-1"	9'-9"	3'-3"	130 MPH	10'-8"	12'-5"	11'-6"	4'-0"
140 MPH	8'-4"	9'-4"	9'-0"	2'-11"	140 MPH	9'-11"	11'-1"	10'-8"	4'-1"
150 MPH	7'-5"	8'-8"	8'-4"	2'-10"	150 MPH	9'-2"	10'-3"	9'-11"	3'-4"

Note: Total roof panel width = room width + wall width + overhang.

Table 3B.5.2 Allowable Spans for Industry Standard Composite Wall Panels for Various Loads for 3" Modular Rooms

Aluminum Alloy 3105 H-14 or H-25 1.0 EPS Core Density Foam

Aluminum Alloy 3105 H-14 or H-25 Statewide Product Approval #FL1049

Upright Height for Various Load Conditions						
Wind Condition (MPH)	100	110	120	130	140 A & B	150
Applied Load	15 #/Sq. Ft.	18 #/Sq. Ft.	22 #/Sq. Ft.	25 #/Sq. Ft.	29 #/Sq. Ft.	34 #/Sq. Ft.
Per Linear Foot of Wall *	3" x 48" x 0.024" Panels Foam Core E.P.S. #1 Density					
	14'-2"	12'-11"	11'-8"	10'-11"	10'-2"	9'-5"
	3" x 48" x 0.030" Panels Foam Core E.P.S. #1 Density					
	16'-9"	15'-3"	13'-10"	12'-11"	12'-0"	11'-1"

* Engineering properties of panel are in lineal feet of wall.

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3B.8 Anchor Schedule for Composite Panel Room Components

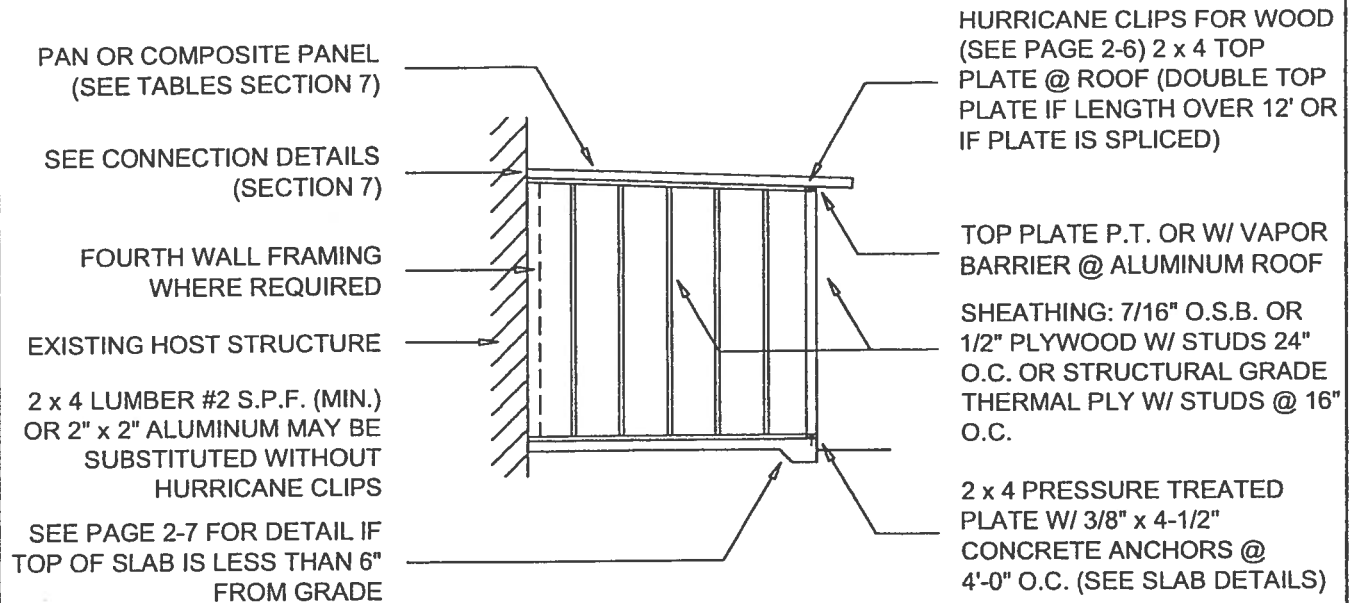
Connection Description	80 - 100 MPH	110 - 130 MPH	140 - 150 MPH
Receiving channel to roof panel at front wall or at the receiving channel. 0.024" or 0.030" metal	#10 x (T+1/2") SMS 1 @ 6" from each side of the panel and 1 @ 12" O.C.	#10 x (T+1/2") SMS 1 @ 6" from each of the panel and 1 @ 8" O.C.	#10 x (T+1/2") SMS 1 @ 6" from each of the panel and 1 @ 6" O.C.
Receiving channel to wood deck at front wall. #2 pine framing	1/4" x 1-1/2" lag 1 @ 6" from each end of receiving channel and 1 @ 24" O.C.	1/4" x 1-1/2" lag 2 @ 6" from each end of receiving channel and 2 @ 24" O.C.	3/8" x 1-1/2" lag 2 @ 6" from each end of receiving channel and 2 @ 24" O.C.
Receiving channel to concrete deck at front wall. 2,500 psi concrete	1/4" x 1-1/2" Tapcon 1 @ 6" from each end of receiving channel and 1 @ 32" O.C.	1/4" x 1-1/2" Tapcon 1 @ 6" from each end of receiving channel and 1 @ 24" O.C.	3/8" x 1-1/2" Tapcon 2 @ 6" from each end of receiving channel and 2 @ 24" O.C.
Receiving channel to uprights, headers and other wall connections 0.024" metal	#8 x 3/4" SMS 1 @ 6" from each end of component and 1 @ 36" O.C.	#10 x 3/4" SMS 1 @ 4" from each end of component and 1 @ 24" O.C.	#14 x 3/4" SMS 1 @ 3" from each end of component and 1 @ 24" O.C.
0.030" metal	1 @ 48" O.C.	1 @ 32" O.C.	1 @ 32" O.C.
Receiving channel to existing wood beam, host structure, deck or infill connections to wood	1/4" x 1-1/2" lag 1 @ 6" from each end of component and 1 @ 30" O.C.	1/4" x 1-1/2" lag 1 @ 4" from each end of component and 1 @ 18" O.C.	3/8" x 1-1/2" lag 1 @ 3" from each end of component and 1 @ 21" O.C.
Receiving channel to existing concrete beam, masonry wall, slab, foundation, host structure, or infill connected to concrete.	1/4" x 1-3/4" Tapcon 1 @ 6" from each end of component and 1 @ 48" O.C.	1/4" x 1-1/2" Tapcon 1 @ 4" from each end of component and 1 @ 24" O.C.	3/8" x 1-1/2" Tapcon 1 @ 3" from each end of component and 1 @ 24" O.C.
Roof Panel to top of wall	1 @ 6" from each end of component & 1 @ 12" O.C.	1 @ 4" from each end of component & 1 @ 8" O.C.	1 @ 3" from each end of component & 1 @ 6" O.C.
a. To wood	#10 x "t" + 1-1/2"	#10 x "t" + 1-1/2"	#10 x "t" + 1-1/2"
b. To 0.05" aluminum	#10 x "t" + 1/2"	#10 x "t" + 1/2"	#10 x "t" + 1/2"

Notes:

- The anchor schedule above is for mean roof height of 0-20', enclosed structure, exposure "B", I = 1.0, maximum front wall projection from host structure of 16', with maximum overhang of 2', and 10' wall height. There is no restriction on room length. For structures exceeding this criteria consult the engineer.
- Anchors through receiving channel into roof panels, wood, or concrete / masonry shall be staggered side to side at the required spacing.
- Wood deck materials are assumed to be #2 pressure treated pine. For spruce, pine or fir decrease spacing of anchors by 0.75. Reduce spacing of anchors for "C" exposure by 0.83.
- Concrete is assumed to be 2,500 psi @ 7 days minimum. For concrete strength other than 2,500 psi consult the engineer. Reduce anchor spacing for "C" exposure by 0.83.
- Tapcon or equal masonry anchor may be used, allowable rating (not ultimate) must meet or exceed 411# for 1-1/2" embedment at minimum 5d spacing from concrete edge to center of anchor. Roof anchors shall require 1-1/4" fender washer.

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**UTILITY SHED WALL SECTION**

SCALE: 3/16" = 1'-0"

ALUMINUM WALL FRAMING MAY BE USED IN LIEU OF WOOD FRAMING. SEE TABLES FOR MAXIMUM STUD HEIGHTS.

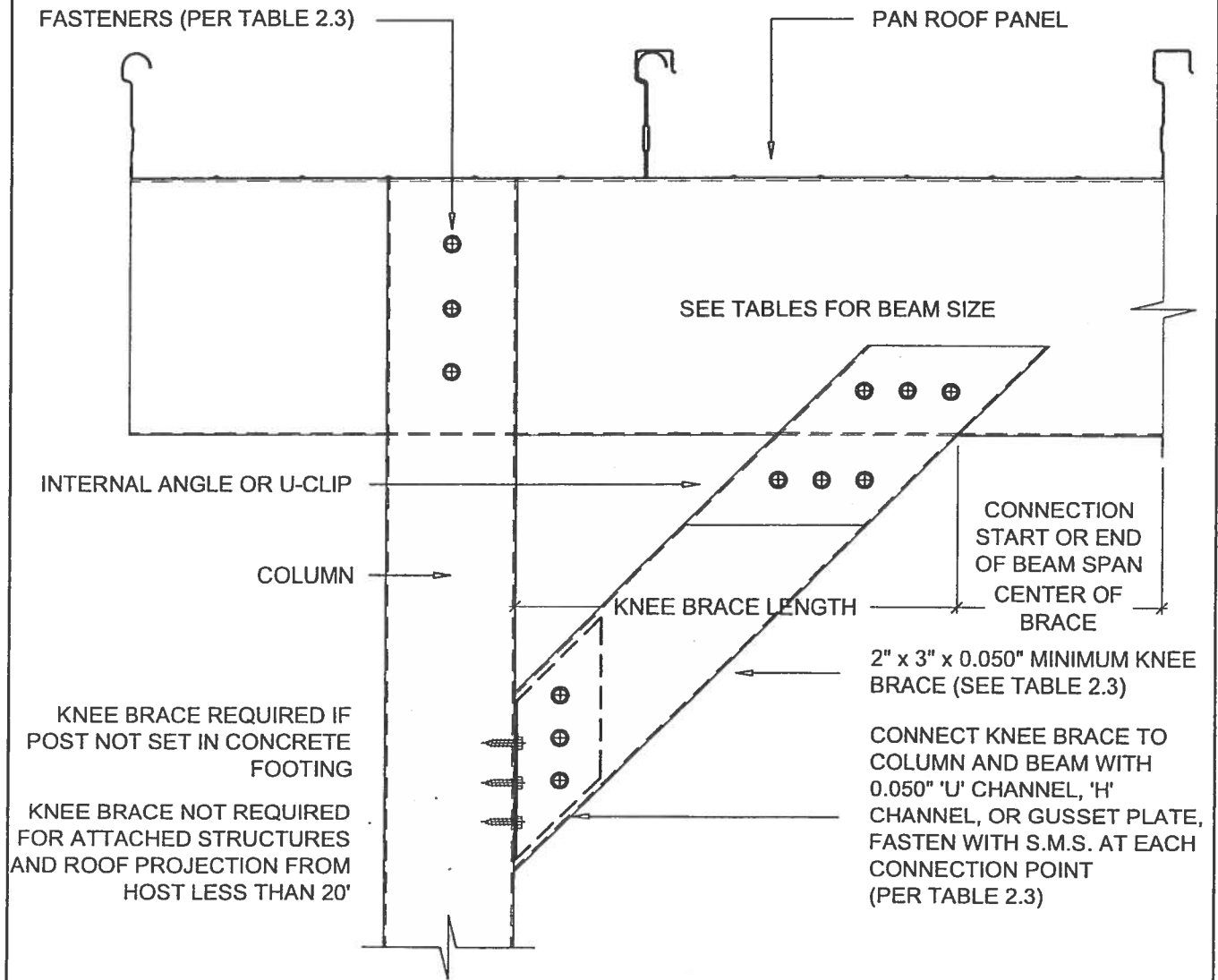
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**KNEE BRACE TO POST DETAIL - BEAM PERPENDICULAR TO ROOF**

SCALE: 3" = 1'-0"

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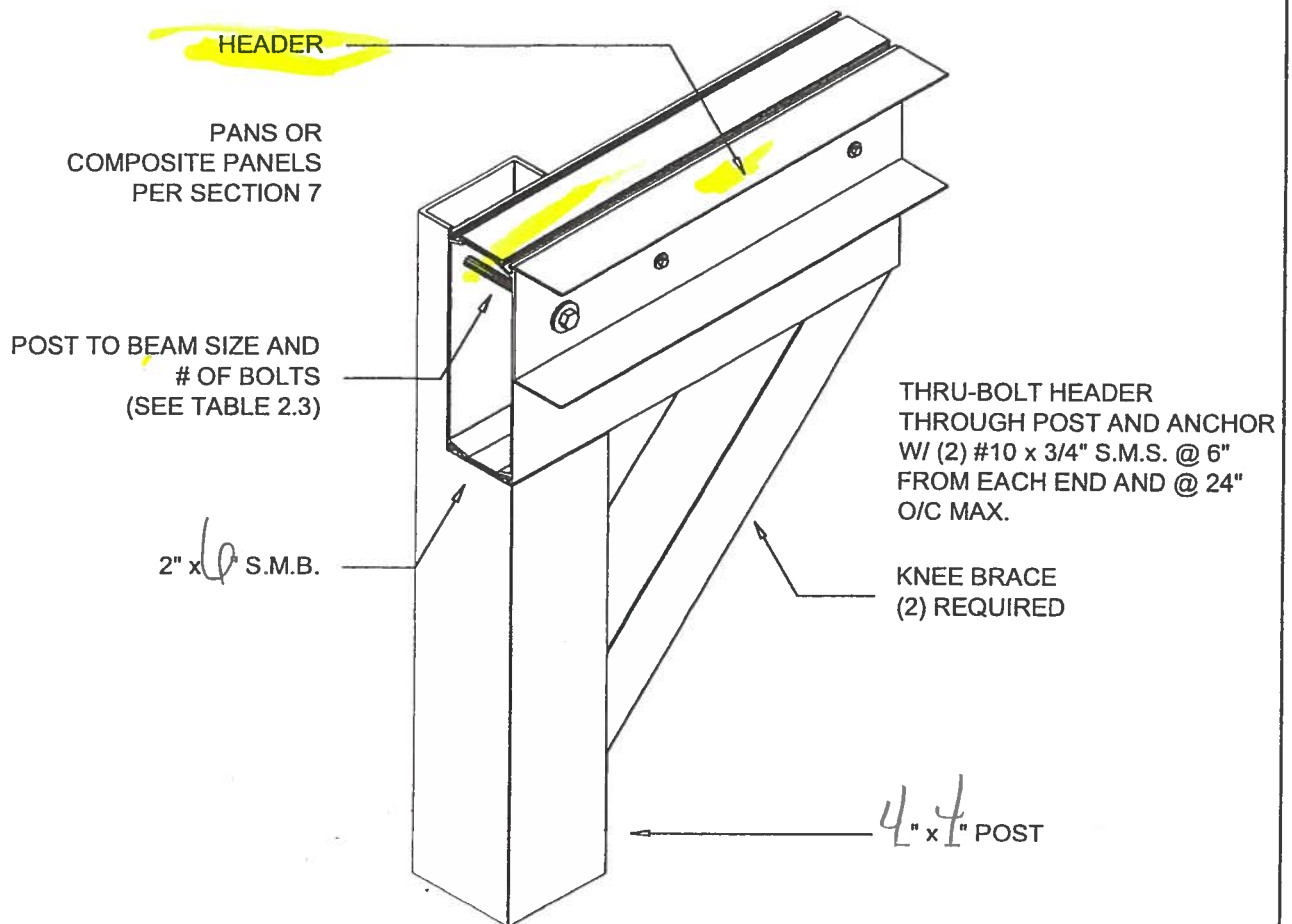
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NOTE:
FLASHING AS NECESSARY TO
PREVENT WATER INTRUSION



ALTERNATE 4TH WALL BEAM CONNECTION DETAIL

SCALE: N.T.S.

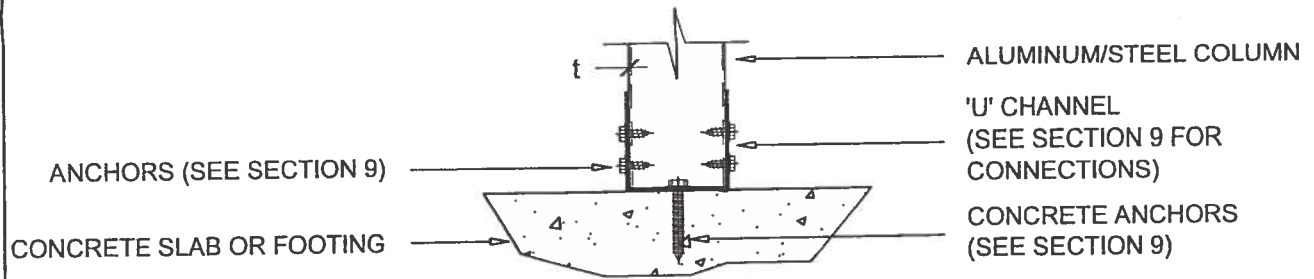
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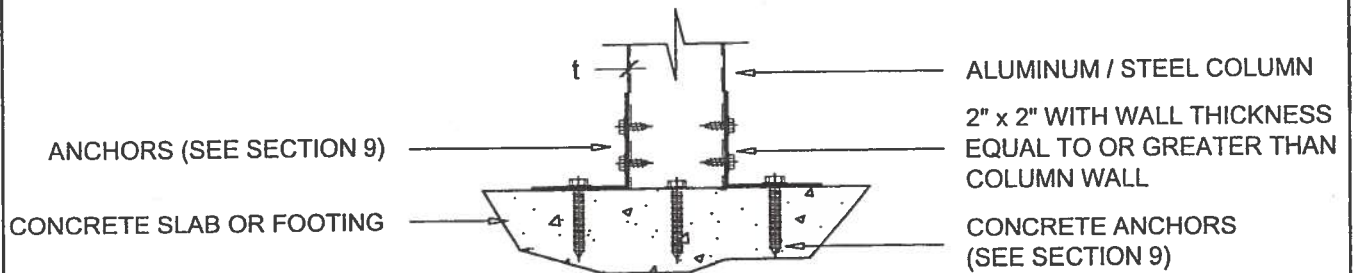
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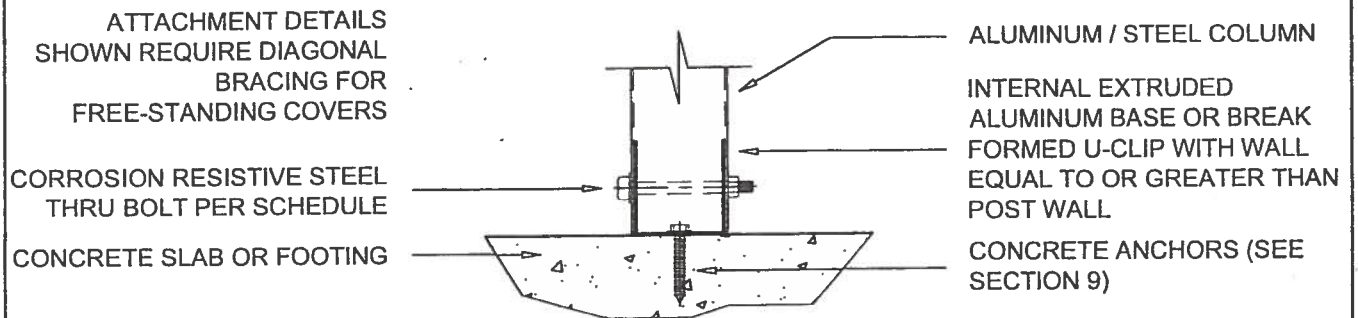
**POST TO CONCRETE CONNECTION
INTERNAL OR EXTERNAL RECEIVING CHANNEL**

SCALE: 3" = 1'-0"



**POST TO CONCRETE CONNECTION
INTERNAL OR EXTERNAL ANGLE CLIPS**

SCALE: 3" = 1'-0"



**POST TO CONCRETE CONNECTION
TUBE COLUMN BASE SCHEMATIC INTERNAL BASE**

SCALE: 3" = 1'-0"

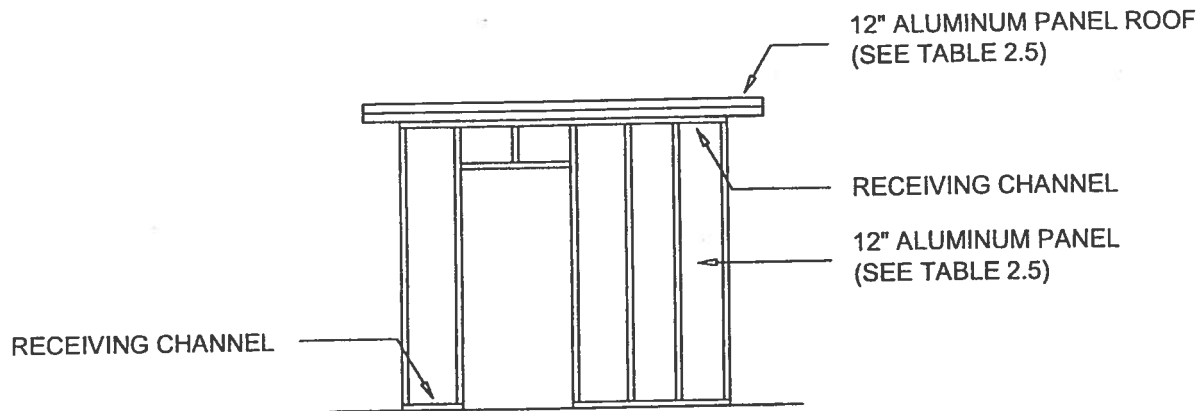
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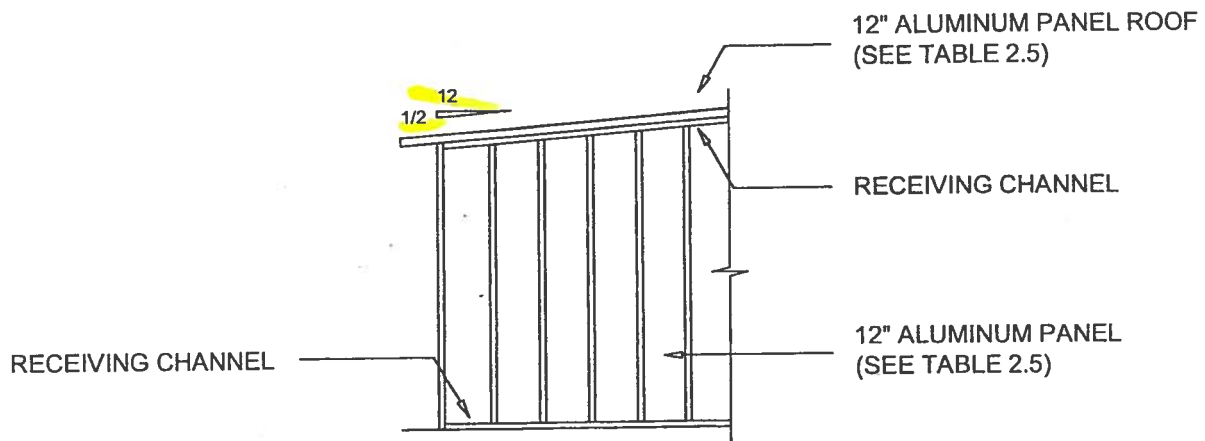
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ALUMINUM UTILITY SHED WALL WITH DOOR
ELEVATION VIEW

SCALE: 3/16" = 1'-0"



ALUMINUM UTILITY SHED WALL
ELEVATION VIEW

SCALE: 3/16" = 1'-0"

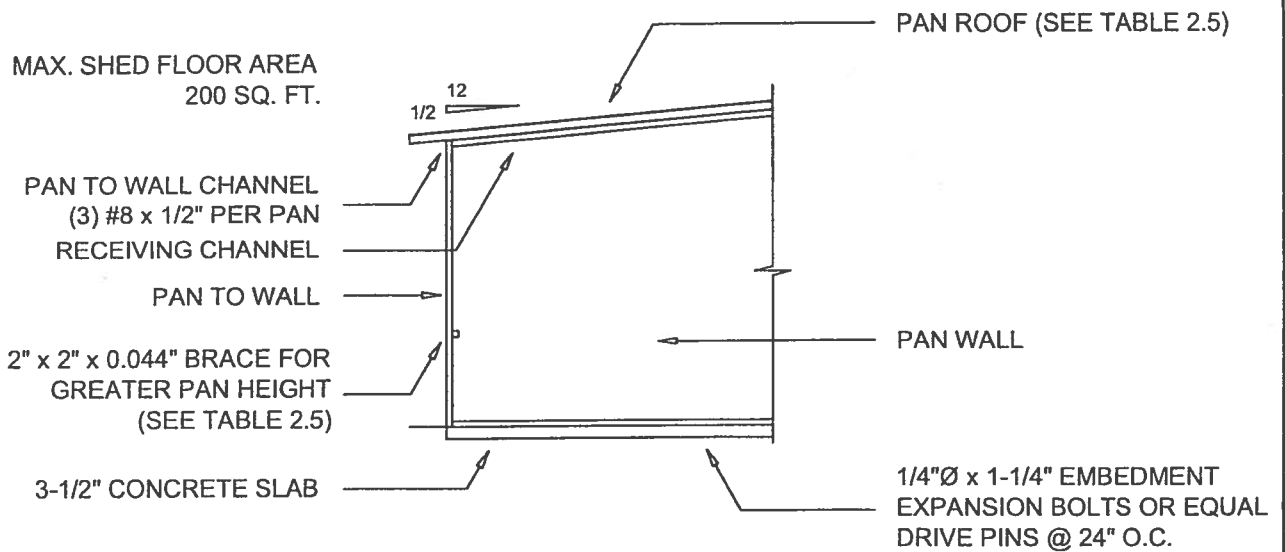
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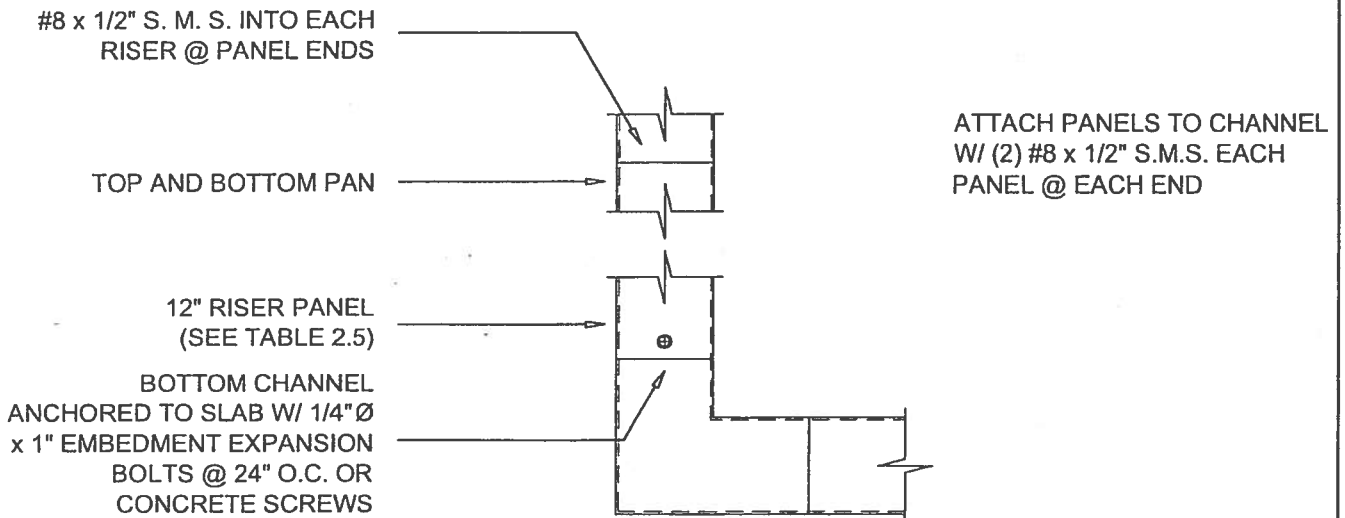
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SECTION THROUGH UTILITY SHED

SCALE: 3/16" = 1'-0"



PAN WALL CONNECTION DETAIL

SCALE: 3/16" = 1"

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**Table 2.5 Maximum Allowable Spans / Heights for Aluminum Pans
Utility Shed Roof or Walls**

Span / Heights calculated using design loads in compliance with ASCE-7 section 6.5.12.4.

1-1/4" x 12" x 0.026" Rizer Panel					1-1/4" x 12" x 0.032" Rizer Panel				
Wind Zone	Maximum Span / Height				Wind Zone	Maximum Span / Height			
	1 & 2 Span	3 span	4 span	Max. Cantilever		1 & 2 Span	3 span	4 span	Max. Cantilever
100 M.P.H.	4'-11"	6'-0"	6'-2"	1'-11"	100 M.P.H.	5'-3"	6'-6"	6'-7"	2'-0"
110 M.P.H.	4'-7"	5'-8"	5'-9"	1'-9"	110 M.P.H.	4'-11"	6'-1"	6'-2"	1'-11"
120 M.P.H.	4'-4"	5'-4"	5'-5"	1'-8"	120 M.P.H.	4'-7"	5'-8"	5'-10"	1'-10"
123 M.P.H.	4'-1"	5'-1"	5'-2"	1'-7"	123 M.P.H.	4'-5"	5'-5"	5'-6"	1'-8"
130 M.P.H.	4'-1"	5'-1"	5'-2"	1'-7"	130 M.P.H.	4'-5"	5'-5"	5'-6"	1'-8"
140 M.P.H.	3'-11"	4'-10"	4'-11"	1'-6"	140 M.P.H.	4'-2"	5'-2"	5'-3"	1'-7"
150 M.P.H.	3'-9"	4'-7"	4'-8"	1'-5"	150 M.P.H.	3'-11"	4'-11"	5'-0"	1'-7"

1-1/2" x 12" x 0.026" Rizer Panel					1-1/2" x 12" x 0.032" Rizer Panel				
Wind Zone	Maximum Span / Height				Wind Zone	Maximum Span / Height			
	1 & 2 Span	3 span	4 span	Max. Cantilever		1 & 2 Span	3 span	4 span	Max. Cantilever
100 M.P.H.	5'-10"	7'-2"	7'-4"	2'-3"	100 M.P.H.	6'-3"	7'-11"	8'-1"	2'-5"
110 M.P.H.	5'-5"	6'-9"	6'-10"	2'-1"	110 M.P.H.	5'-10"	7'-3"	7'-4"	2'-3"
120 M.P.H.	5'-1"	6'-4"	6'-5"	1'-11"	120 M.P.H.	5'-6"	6'-9"	6'-11"	2'-2"
123 M.P.H.	4'-10"	5'-11"	6'-1"	1'-11"	123 M.P.H.	5'-2"	6'-5"	6'-7"	2'-0"
130 M.P.H.	4'-8"	5'-9"	5'-10"	1'-10"	130 M.P.H.	5'-2"	6'-5"	6'-7"	2'-0"
140 M.P.H.	4'-8"	5'-9"	5'-10"	1'-10"	140 M.P.H.	4'-11"	6'-2"	6'-3"	1'-11"
150 M.P.H.	4'-5"	5'-6"	5'-7"	1'-9"	150 M.P.H.	4'-9"	5'-10"	5'-11"	1'-10"

1-3/4" x 12" x 0.026" Cleated Panel					1-3/4" x 12" x 0.032" Cleated Panel				
Wind Zone	Maximum Span / Height				Wind Zone	Maximum Span / Height			
	1 & 2 Span	3 span	4 span	Max. Cantilever		1 & 2 Span	3 span	4 span	Max. Cantilever
100 M.P.H.	7'-6"	9'-7"	9'-9"	2'-11"	100 M.P.H.	8'-4"	10'-4"	10'-6"	3'-2"
110 M.P.H.	7'-1"	8'-11"	9'-1"	2'-9"	110 M.P.H.	7'-9"	9'-7"	9'-10"	2'-11"
120 M.P.H.	6'-8"	8'-5"	8'-7"	2'-7"	120 M.P.H.	7'-2"	9'-1"	9'-3"	2'-9"
123 M.P.H.	6'-3"	8'-0"	8'-2"	2'-5"	123 M.P.H.	6'-9"	8'-8"	8'-10"	2'-8"
130 M.P.H.	6'-0"	7'-5"	7'-10"	2'-4"	130 M.P.H.	6'-9"	8'-8"	8'-10"	2'-8"
140 M.P.H.	6'-0"	7'-5"	7'-10"	2'-4"	140 M.P.H.	6'-6"	8'-3"	8'-5"	2'-6"
150 M.P.H.	5'-9"	7'-1"	7'-3"	2'-3"	150 M.P.H.	6'-2"	7'-10"	7'-11"	2'-5"

3" x 12" x 0.026" Panel					3" x 12" x 0.032" Panel				
Wind Zone	Maximum Span / Height				Wind Zone	Maximum Span / Height			
	1 & 2 Span	3 span	4 span	Max. Cantilever		1 & 2 Span	3 span	4 span	Max. Cantilever
100 M.P.H.	10'-11"	13'-11"	14'-2"	4'-0"	100 M.P.H.	11'-9"	14'-11"	15'-3"	4'-0"
110 M.P.H.	10'-2"	13'-1"	13'-4"	3'-10"	110 M.P.H.	10'-11"	14'-1"	14'-4"	4'-0"
120 M.P.H.	9'-7"	12'-3"	12'-6"	3'-8"	120 M.P.H.	10'-4"	13'-2"	13'-6"	3'-11"
123 M.P.H.	9'-2"	11'-4"	11'-7"	3'-5"	123 M.P.H.	9'-10"	12'-2"	12'-5"	3'-9"
130 M.P.H.	8'-9"	10'-9"	10'-11"	3'-3"	130 M.P.H.	9'-4"	11'-7"	11'-10"	3'-6"
140 M.P.H.	8'-9"	10'-9"	10'-11"	3'-3"	140 M.P.H.	9'-4"	11'-7"	11'-10"	3'-6"
150 M.P.H.	8'-3"	10'-3"	10'-5"	3'-2"	150 M.P.H.	8'-11"	11'-0"	11'-3"	3'-4"

Room Roof Panel span = "W" as shown on drawings.

Note:

1. Install 2" x 2" x 0.036" Extrusion at Midspan increase span by 25 % maximum shed area.
2. Spans may be interpolated.



Building Products L.P.

7815 American Way, Groveland, FL 34736
TEL: (352) 787-7766 x202 FAX: (352) 429-2011
TOLL FREE: 1-800-342-9077 bkaufmann@metalsusa.com

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

CIVIL ENGINEER - DEVELOPMENT CONSULTANT
P.O. BOX 214368, SOUTH DAYTONA, FL 32121
TELEPHONE: (386) 767-4774
FAX: (386) 767-6556

January 01, 2006

LAWRENCE E. BENNETT, P.E.
P.O. BOX 214368
SOUTH DAYTONA, FL 32121
386-767-4774

TO ALL BUILDING DEPARTMENTS

Re: Master File Engineering
"ALUMINUM STRUCTURES DESIGN MANUAL"
2004 edition & 2006 edition

Dear Building Official/Plans Examiner,

This is to certify that the following contractor/company is hereby authorized to use my 2004 ed "ALUMINUM STRUCTURES DESIGN MANUAL" during the year 2006. When we publish and distribute the 2006 ed of the "ALUMINUM STRUCTURES DESIGN MANUAL", they will be authorized to use that manual for the remainder of 2006.

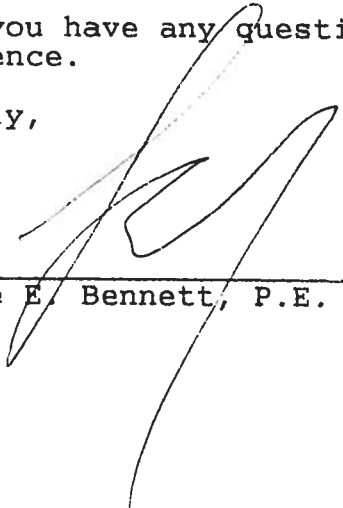
Our authorization is based on a January to January basis regardless of the edition of the manual. This authorization also applies to contractor master file drawings, "ONE PERMIT ONLY" drawings or any "site specific" drawings that I may furnish the contractor.

Thomas Cutcher
CGC 1510060
Paso Fino Development & Const
P.O. Box 831120
Ocala, FL 34483

They are hereby added to my 2006 MASTERFILE LIST

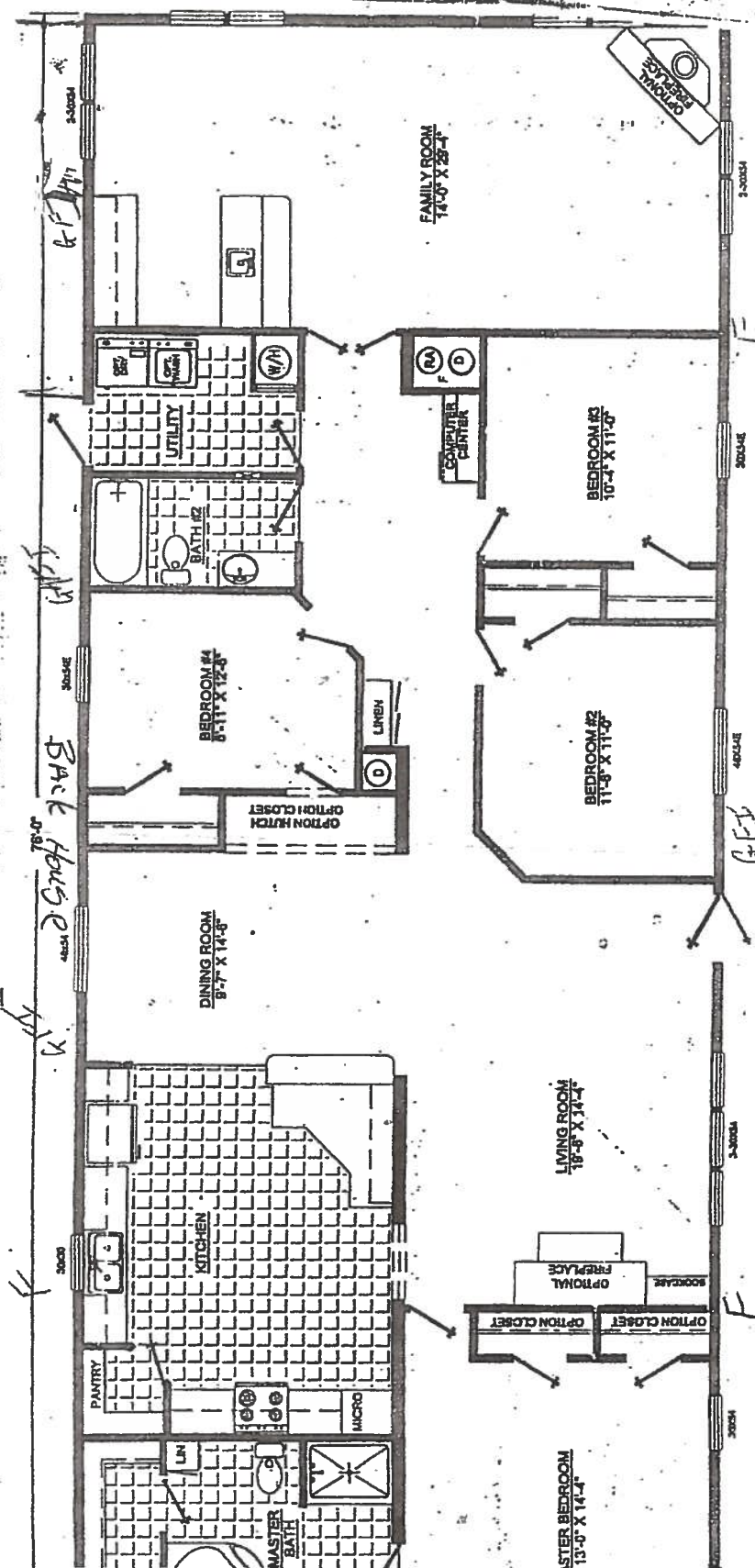
Should you have any questions please contact me at your convenience.

Sincerely,

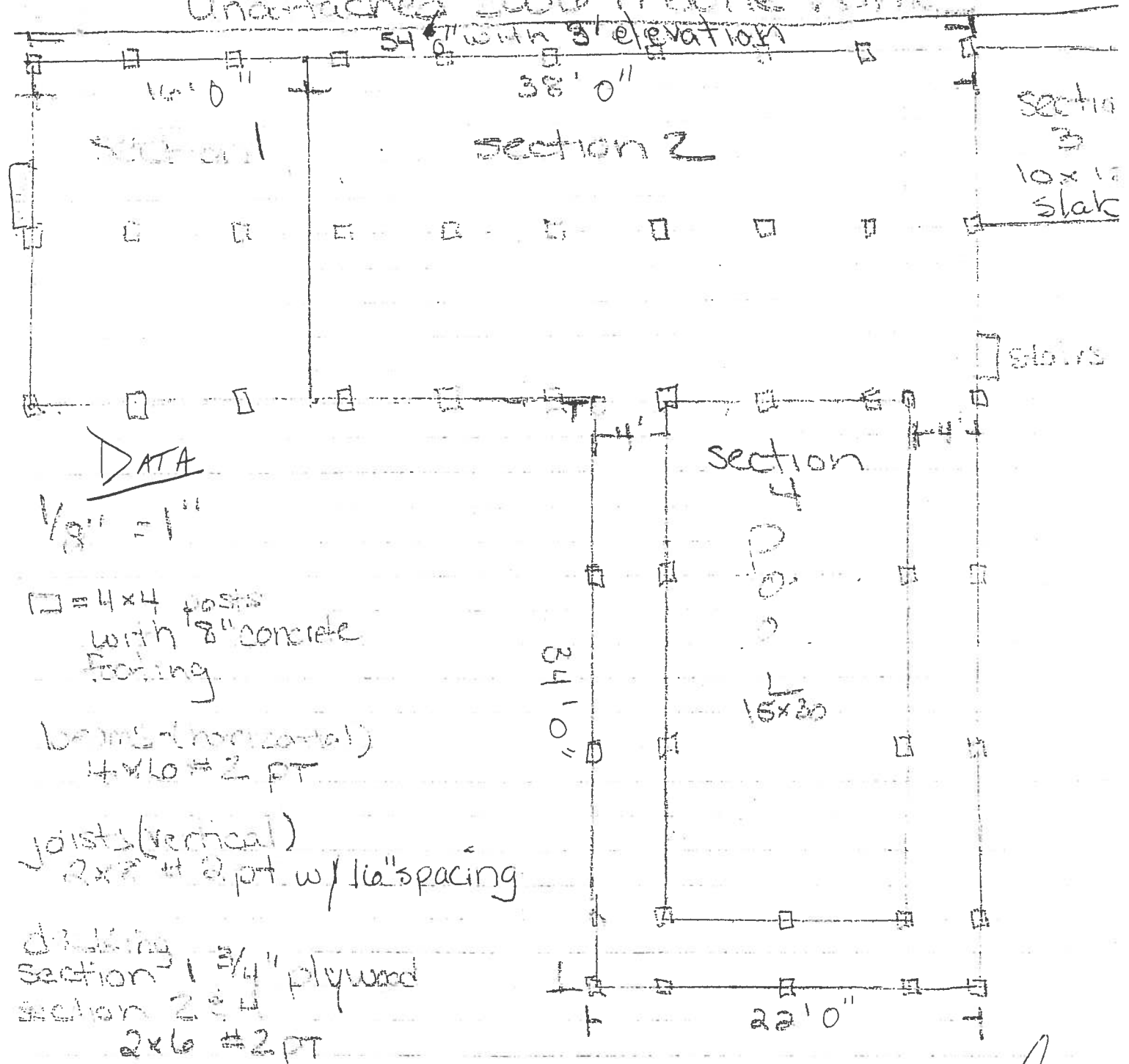


Lawrence E. Bennett, P.E. #16644

32038



Unattached 3006 mobile home

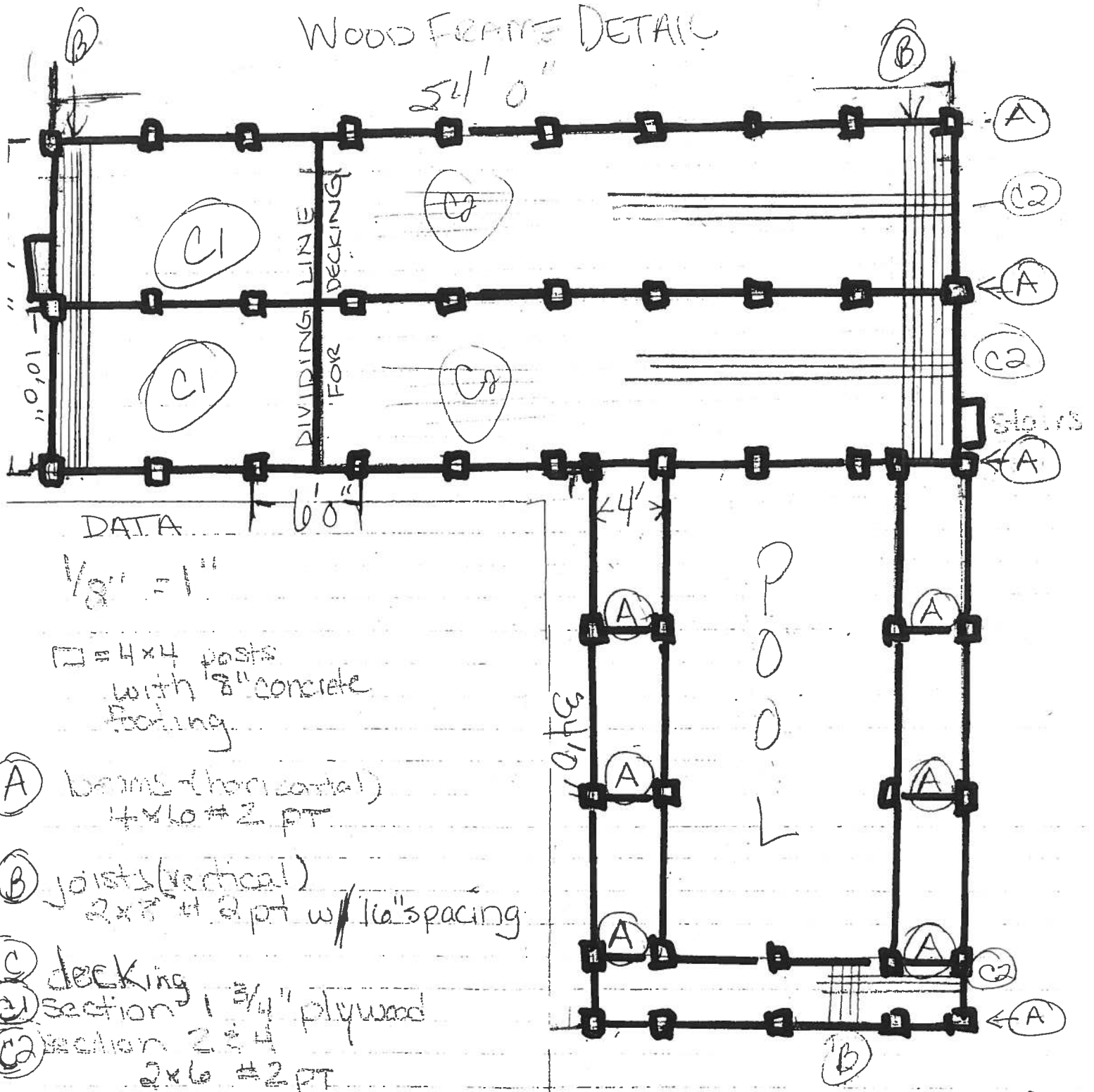


Section 3
10x12 concrete slab

beam post spacing 6'
Joist Post spacing 10'

MAY 18 2006

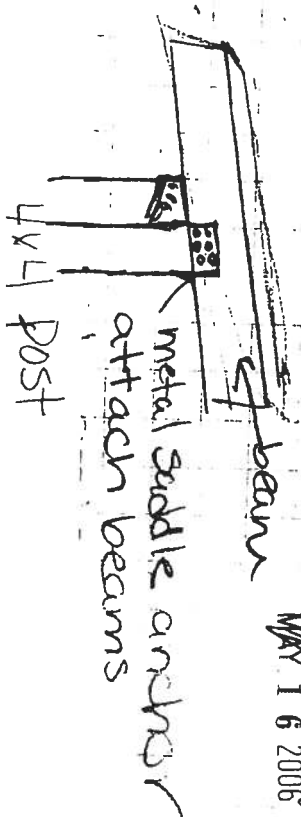
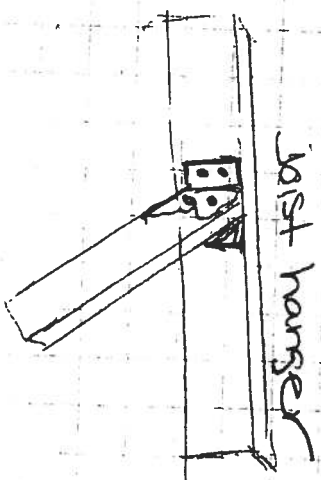
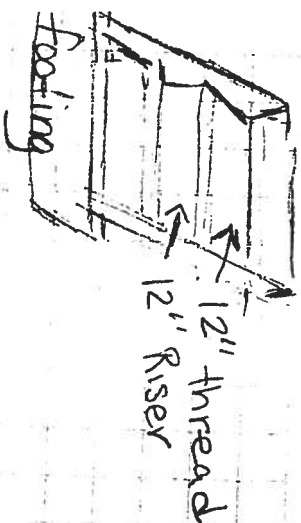
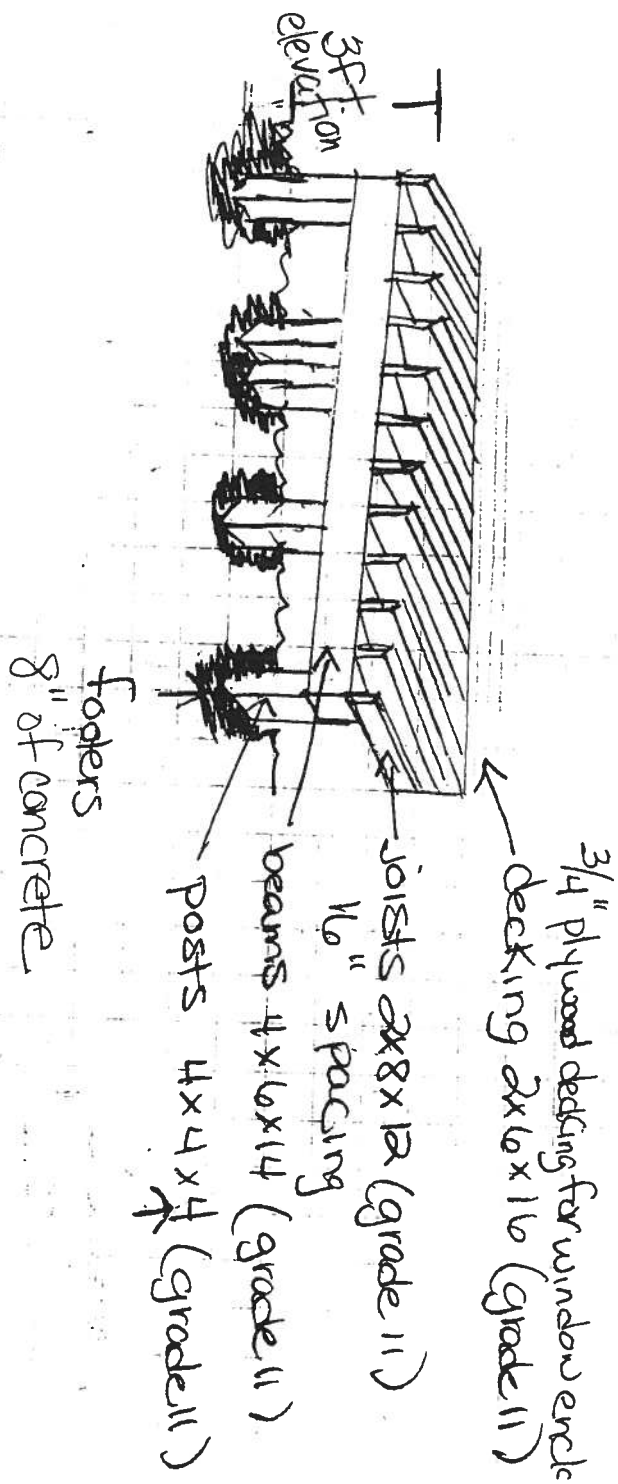
WOOD FRAME DETAIL



beam post spacing 6'0"

joist post spacing 10'0"

MAY 16 2006



MAY 16 2006

Paso Fino Dev & Con
PO Box 831120
Ocala, FL 34483-1120
352-817-5044

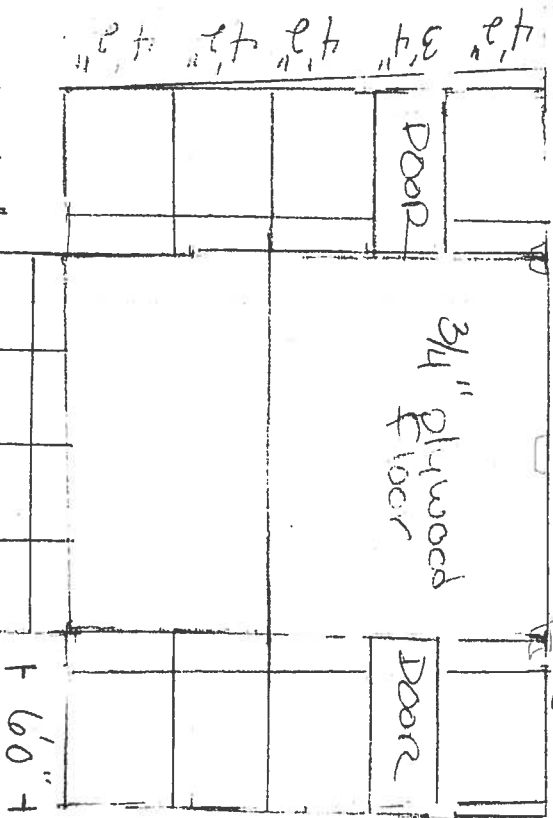
Tara Wyatt
202 SW Weael CT
Ft White, FL 32038

SECTION 1
Scale 1/8" = 1'

16' x 20' Alum. enclosure
w/ acrylic windows.
and 3' x 4' 8" roof panels (Elite 200)
on wooden deck
adjacent to mobile home

2006 mobile home adj. to wooden decking

7' 9" + 0' 7" + 1'



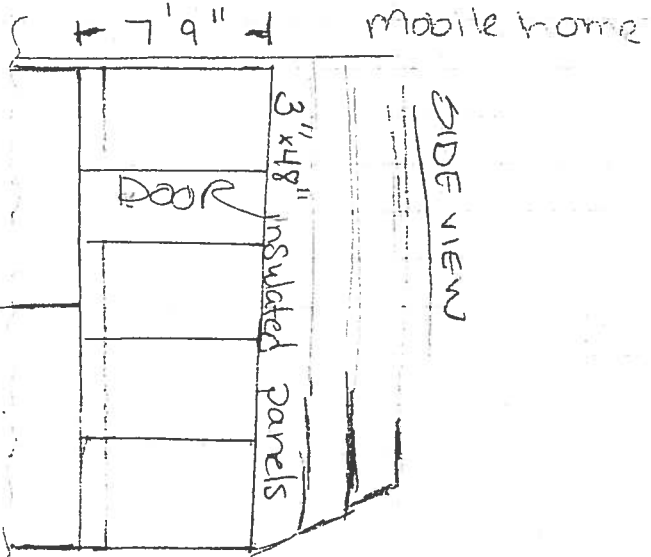
acrylic windows

4' 0" + 4' 0" + 4' 0" + 4' 0" +

16' 0" +

6" super gabled +

7' 5" +



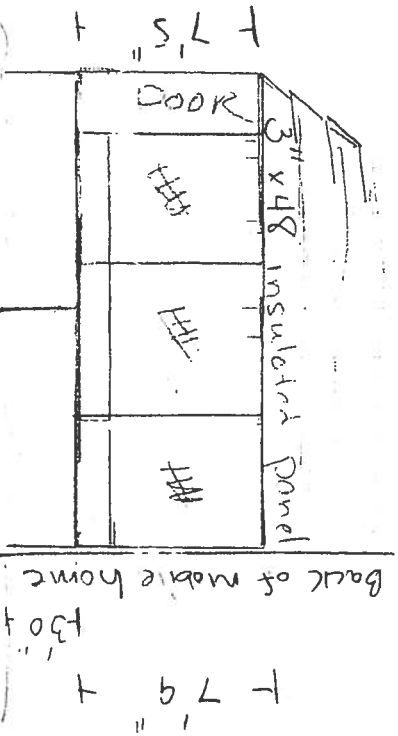
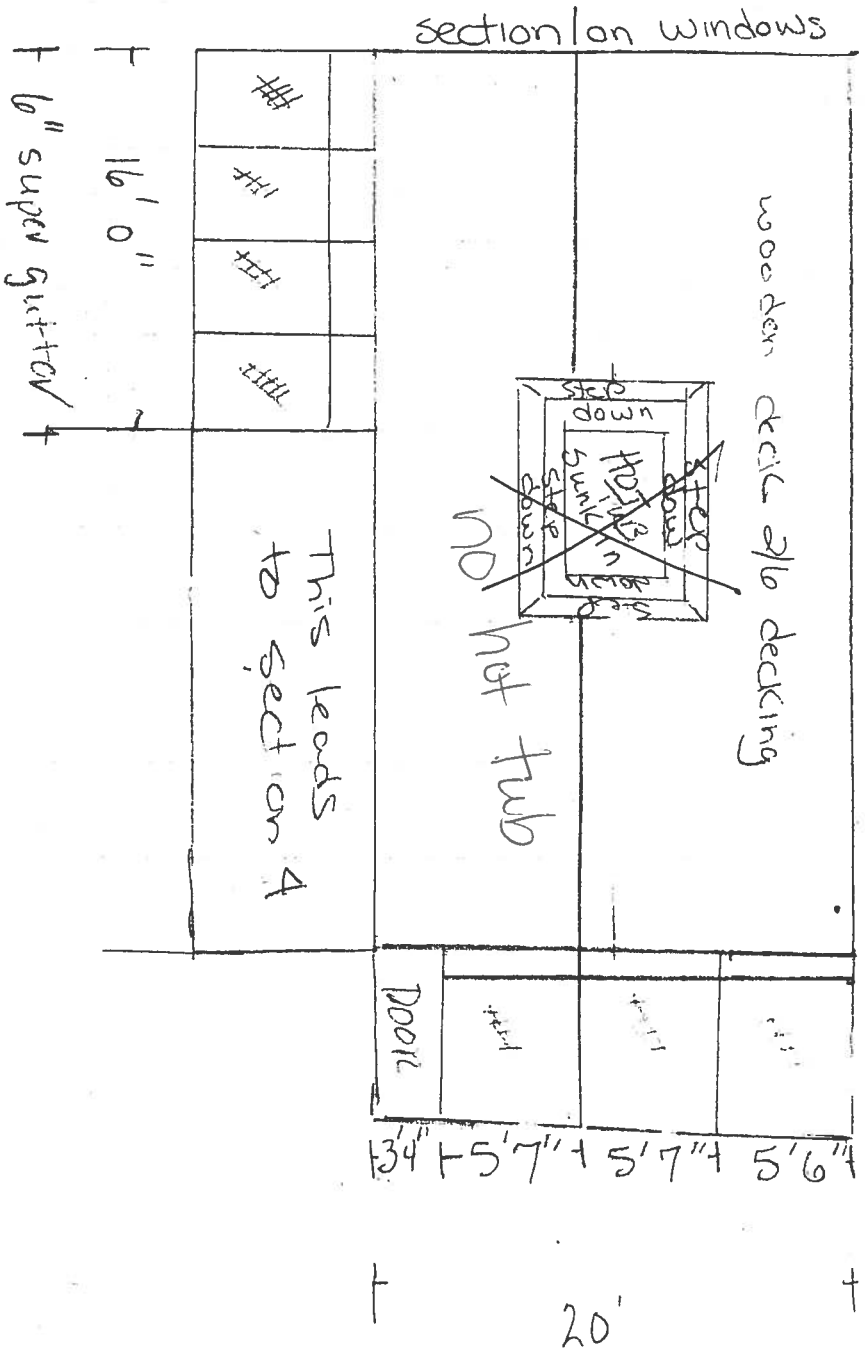
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202 SW Weasel CT
Ft White, FL 32038

SECTION 2

Scale 1/8" = 1'



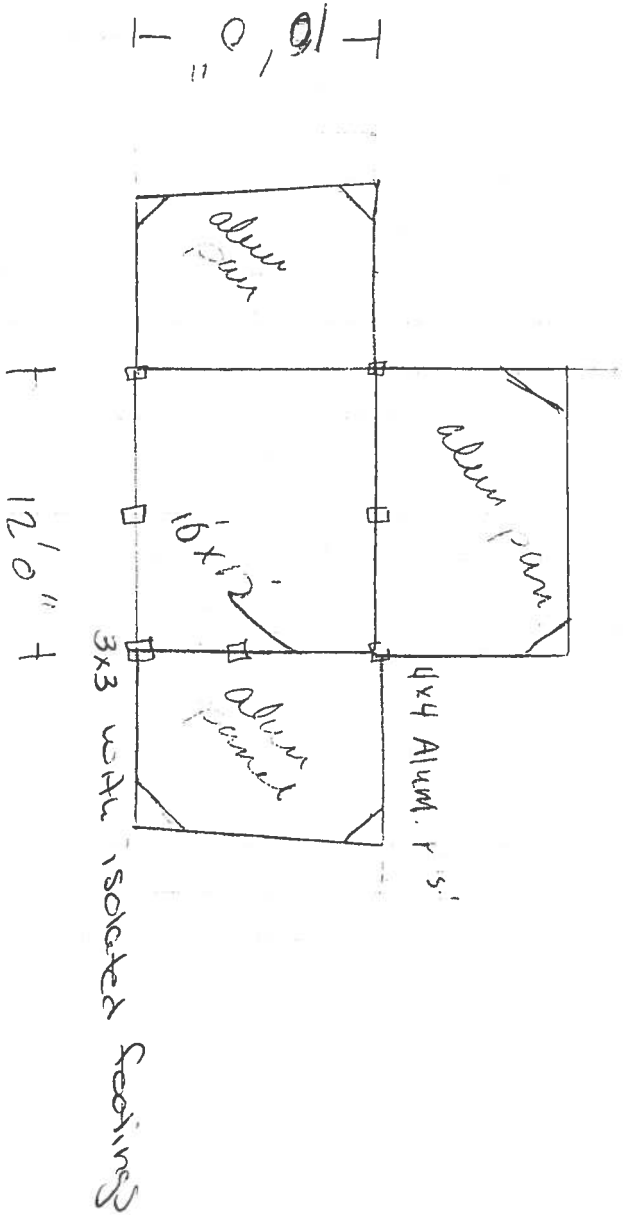
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 352-817-5044

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 202 SW Weasel CT
 Ft White, FL 32038

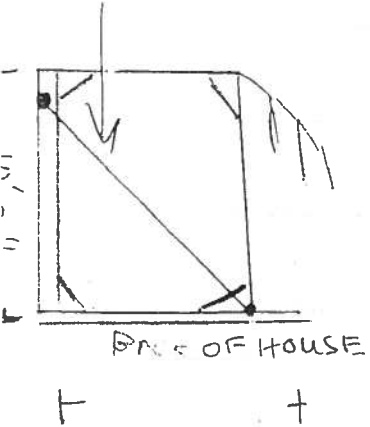
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SECTION 1011
SCALE 1/8" = 1'

Storage area
not attached to
main deck



SIDE VIEW - Scale 1/8" = 1'

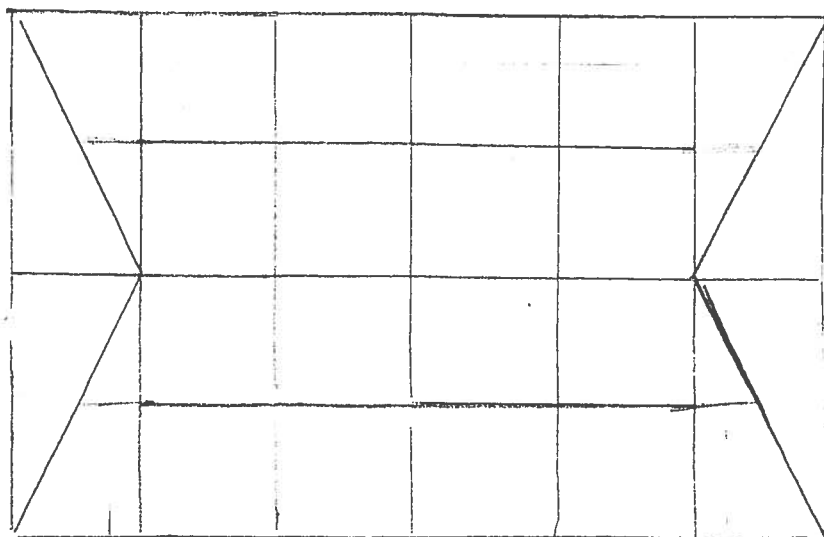


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MAY 16 2006

22x04 SCL&LNG
pool enclosure
on wooden deck

$$+ 7'5'' \text{ face} - 1/8'' = 1'130 + 4/5 + 1''$$


0.02

MAY 1 6 2006

Tara Wyatt
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Fl White, Fl 32038