

Columbia County Building Permit Application

cl: 1002

For Office Use Only Application # 0710-33 Date Received 10/16/07 By CT Permit # 26341
 Application Approved by Zoning Official Cds Date 10/18/07 Plans Examiner AKJH Date 10-17-08
 Flood Zone _____ Development Permit W/A Zoning RR Land Use Plan Map Category RVHD
 Comments _____

☒ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Ruthy Massimo Fax 386 944 7583
 Address 4245 W US Hwy 90 Phone 386 752 6718
 Owners Name Ann Nimmaman

11 Address 413 SW Angela Terr Phone 755-1866

Contractors Name Pools Plus North Central Inc Phone 752-6718
 Address 4245 W US Hwy 90

Simple Owner Name & Address _____

Building Co. Name & Address _____

Architect/Engineer Name & Address Stephen M. Sinclair, P.E.

Mortgage Lenders Name & Address Lawrence Bennett

Select the correct power company - FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy

Property ID Number 24-43-16-03116-005 HX Estimated Cost of Construction 7,500

Division Name Piccadilly Park

Lot 11 Block A Phase _____

Directions 415 to Hwy 47 EAST I-75 T/R AT Light go to
Angela St (Piccadilly Park) 11th house on Right (493)

Use of Construction Screen enclosure

Lot Acreage _____ Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Distance of Structure from Property Lines - Front _____ Side _____ Side _____ Rear _____

Building Height _____ Number of Stories _____ Heated Floor Area _____ Roof Pitch _____

Notification 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 laws regulating construction in this jurisdiction.

SWORN 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.

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

Builder or Authorized Person by Notarized Letter _____

NOTARY PUBLIC STATE OF FLORIDA
 OF FLORIDA Francis Robson
 Y OF COLUMBIA Commission # DD506674
 Expires: JAN. 12, 2010

Subscribed before me _____ day of October 2007

Personally known ☒ or Produced Identification _____

Contractor Signature _____
 Contractors License Number CRC1951492
 Competency Card Number 582137626
 NOTARY STAMP/SEAL

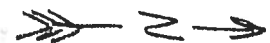
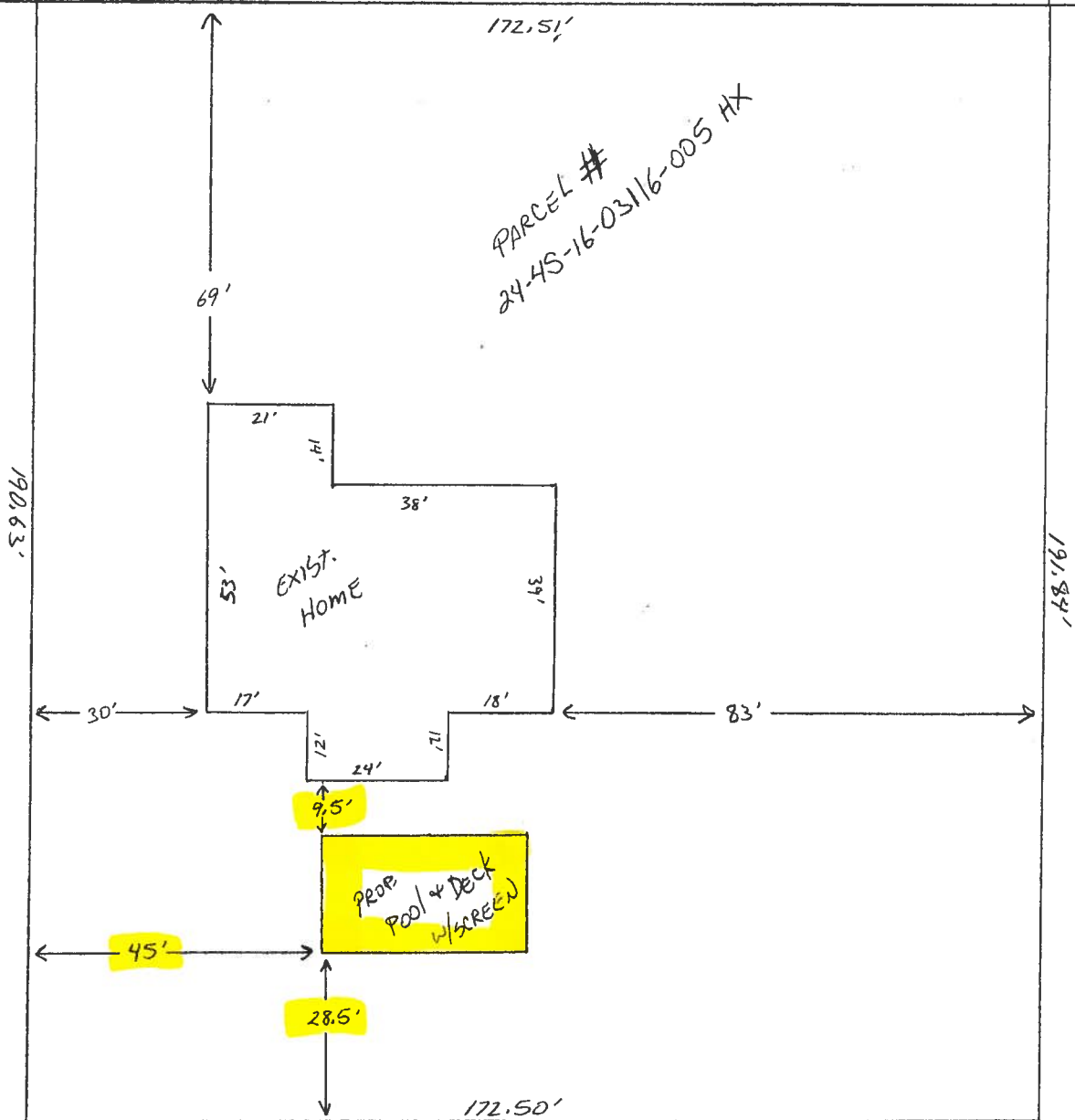
Notary Signature _____

(Revised Sept. 2006)



PAVED

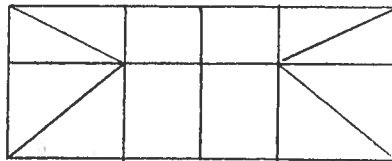
493 S.W. ANGELA TERRACE



ANN NINNEMAN
493 S.W. ANGELA TERR.

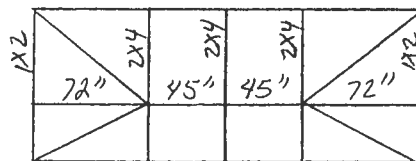
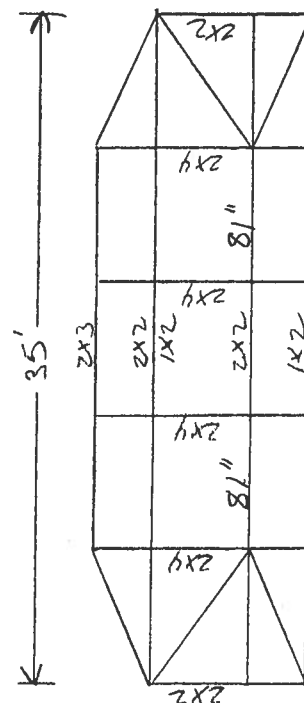
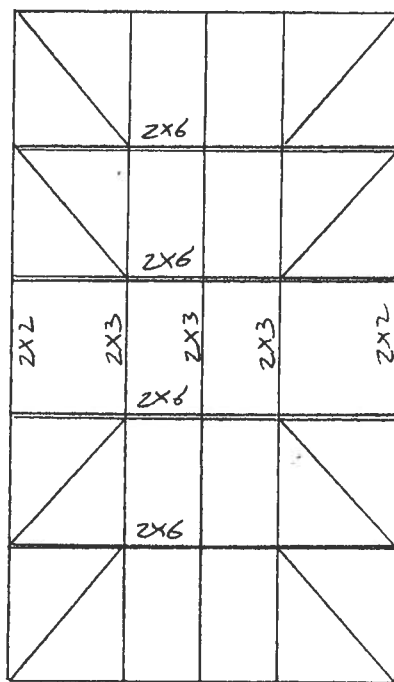
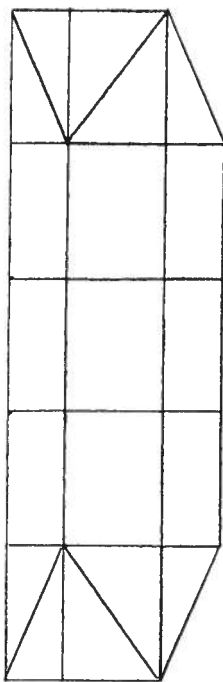
LAKE CITY

255-1860



8'

5' 3"



20'

Lawrence E. Bennett, P.E.
P.O. Box 214368
South Daytona, FL 32121

January 01, 2007

TO ALL BUILDING DEPARTMENTS

Re: Master File Engineering
"ALUMINUM STRUCTURES DESIGN MANUAL"
2004 Florida Building Code with 2006 Supplements

Dear Building Official/Plans Examiner:

This is to certify that the following contractor/company is hereby authorized to use my "ALUMINUM STRUCTURES DESIGN MANUAL" during the year 2007.

Our authorization is 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.

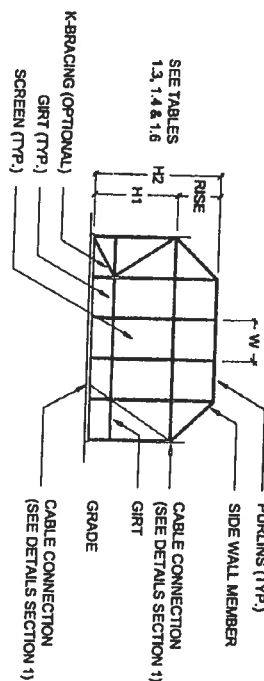
The following contractor/company is hereby added to my 2007 MASTERFILE LIST:

Francis P Robson
Pools Plus North Central, Inc.
4845 W. U.S. Hwy 90
Lake City, FL 32056
SCC13056762

Should you have any questions please contact me at our convenience.
Sincerely,


Lawrence E. Bennett, P.E. #16644

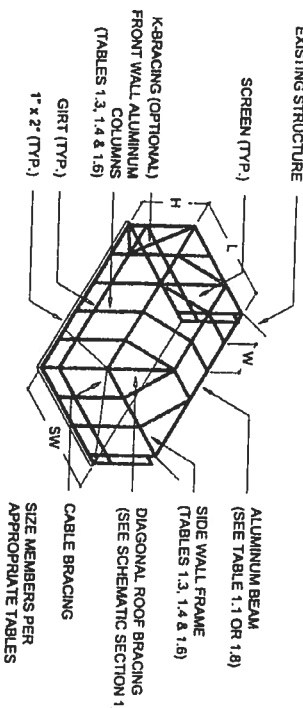
SECTION 1 SCREENED ENCLOSURES



NOTE: USE H2 FOR CABLE AREA CALCULATION

TYPICAL MANSARD ROOF - FRONT WALL ELEVATION

SCALE: N.T.S.



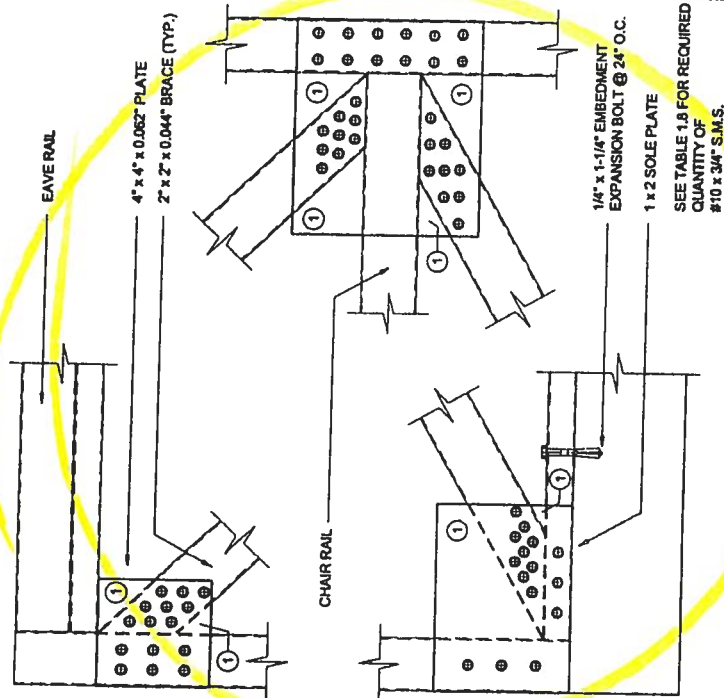
TYPICAL MANSARD ROOF - ISOMETRIC

SCALE: N.T.S.

CONNECTION DETAILS AND NOTES ARE FOUND IN THE SUBSEQUENT PAGES.

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

P.O. Box 214368, South Daytona, FL 32121
Telephone: (386) 377-4376 Fax: (386) 377-0558
Email: lebe@earthlink.net



K-BRACING CONNECTION DETAILS

SCALE: 3" = 1'-0"

- NOTES:**
1. Can be
2. Alternates

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SCREENED ENCLOSURES

SECTION 1

Table 1.7
Minimum Size Screen Enclosure Knee Braces
and Anchoring Required

Splice Length*	Extension	Anchoring System
0'-2'-0"	2' x 2" x 0.044"	2" H-Channel With (3) #10 x 1/2" each leg of channel
To 3'-0"	2' x 3" x 0.045"	2" H-Channel With (3) #10 x 1/2" each leg of channel
To 8'-0"	2' x 4" x 0.044" x 0.125"	2" H-Channel With (4) #10 x 1/2" each leg of channel

Knee brace length shall be the horizontal and vertical length @ a 45° angle from the center of the connection to the face of the beam or upright.

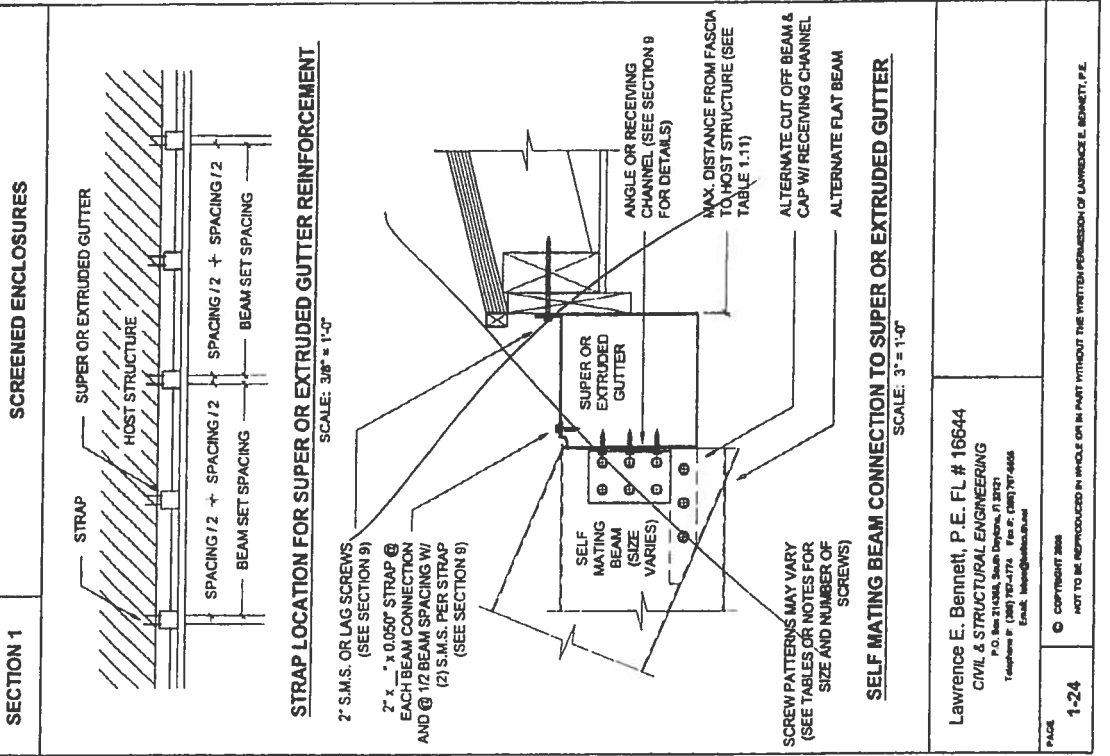
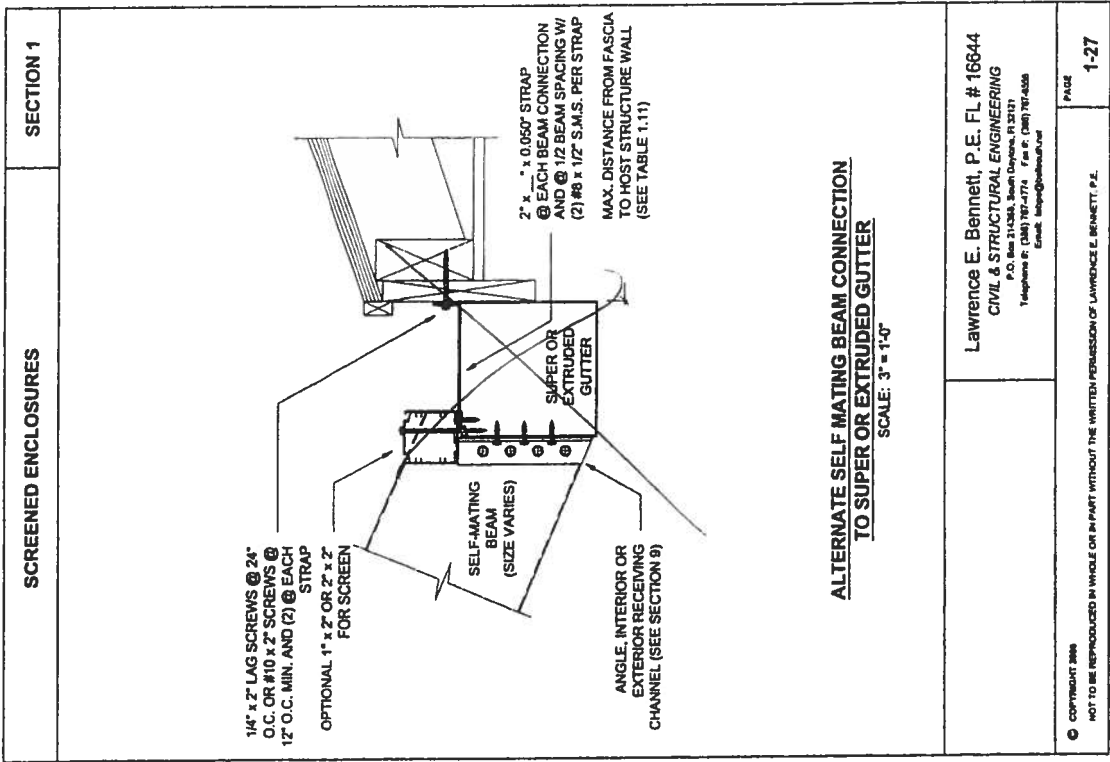
- For required knee braces greater than 4" contact engineer for specifications and details.
- Cantilever beam detail shown on page 1-40 shall be used for transition wall to host structure attachment when knee brace length exceeds 5'-0".

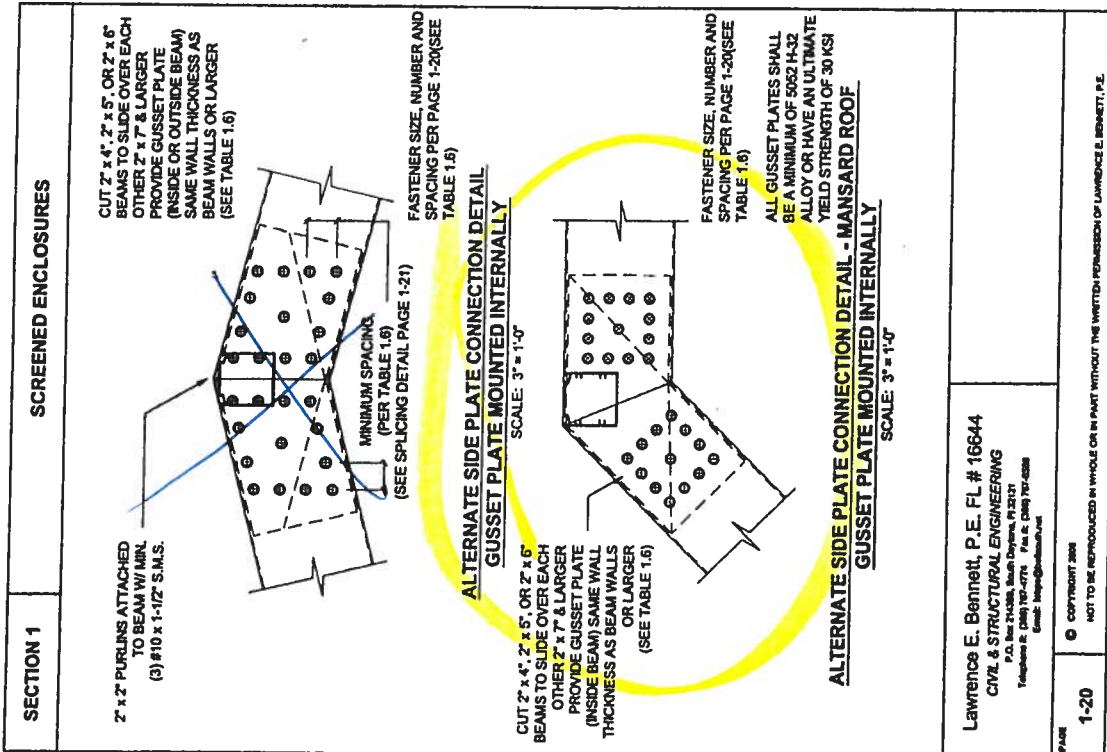
Table 1.8 K-Bracing Fastening Schedule

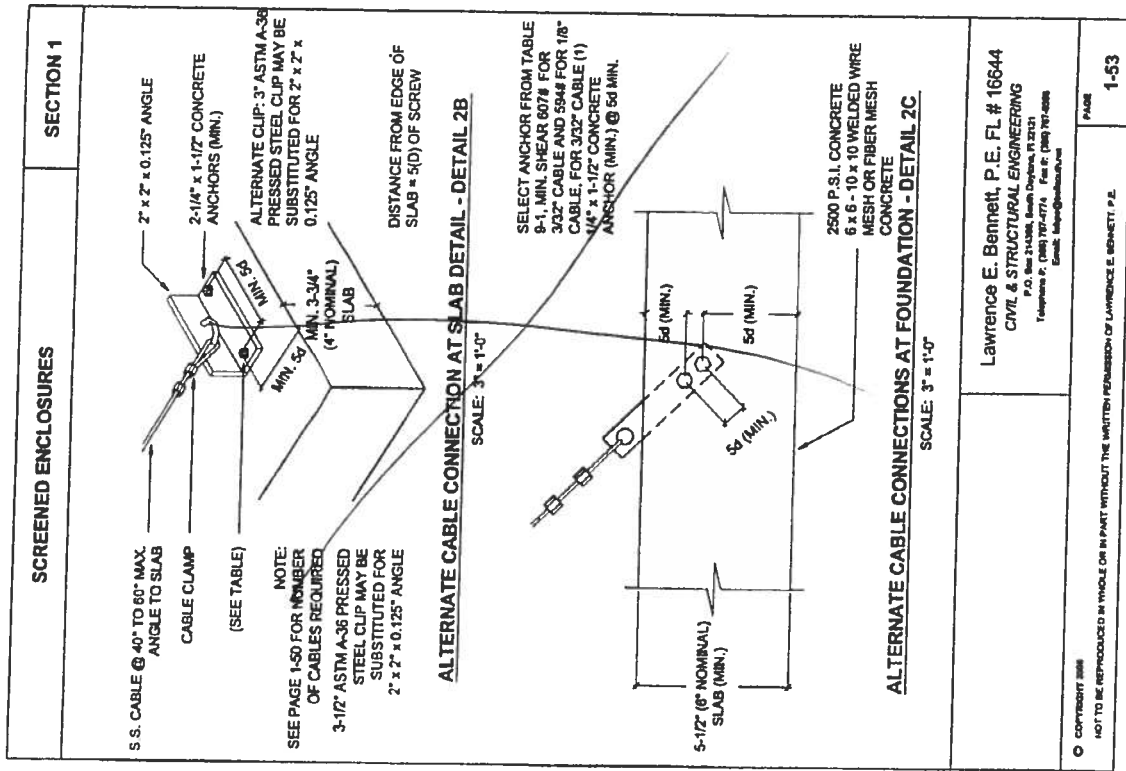
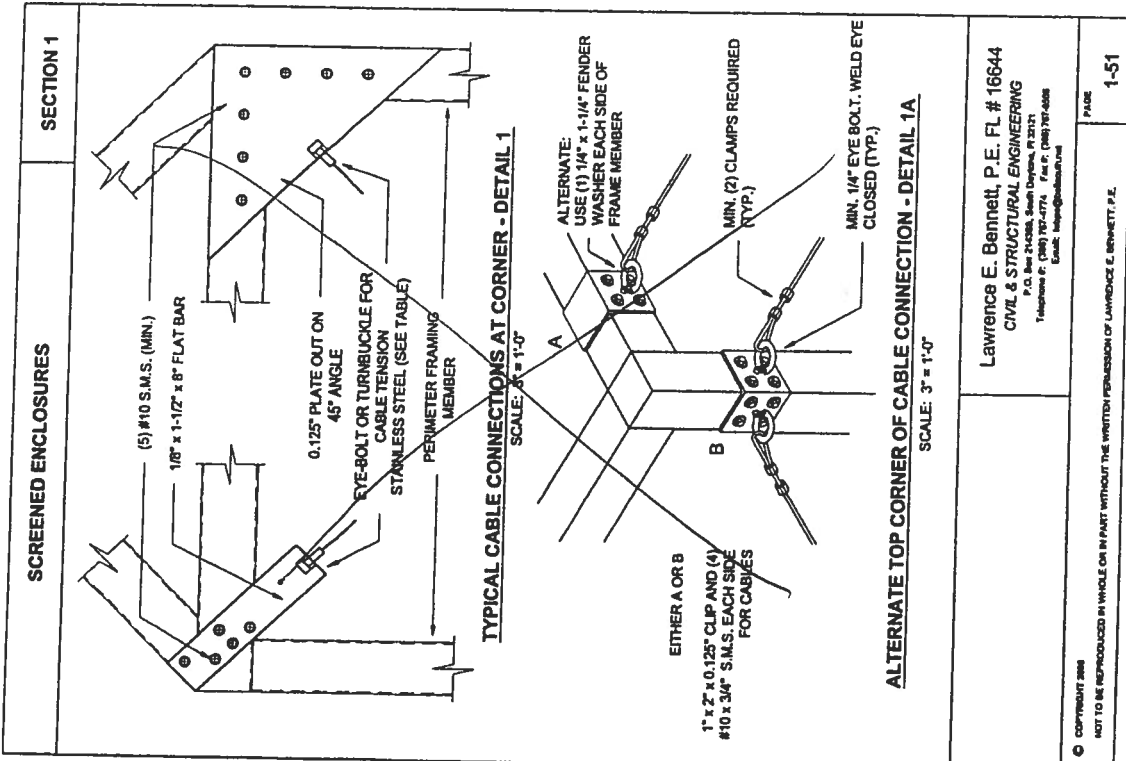
Maximum Wall Width =	Corner Post ⑤ Top	Diagonals (X) per End	Intermediate Post ⑥ Chair Nail	Corner Post ⑦ Bottom	Plates to Sole Plate
20'-0"	2	2	4	2	2
25'-0"	3	4	4	2	2
40'-0"	3	4	6	2	2
50'-0"	4	5	8	3	3
60'-0"	5	6	12	3	3

se front wall width when determining number of s.m.s. for the side wall K-bracing.
se side wall width when determining number of s.m.s. for the front end / or back wall K-bracing.

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 Email: lebe@earthlink.net







SECTION 1



1" PER FT. MAX. FOR

3-1/2" TYP	(2) #3 BAR CONT. OR (1) #5 BAR CONT.	(1) #5 BAR CONT. (3) #3 BAR CONT. OR
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- ## SLAB-FOOTING DETAILS

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SCREENED ENCLOSURES

[illegible]

Connection Example:
 2" x 7" beam & 2" x 5" x 1/2" angle & gusset plate (14) 88 x 127 mm, side of beam & upright.

1. 0.052" web thickness
 2. 1/4" thick
 3. 1/4" connection of 2" x 6" x 2" x 3/4" steel use a full lap cut or 1/4" x 1/4" gusset plate.
 4. For beam splice, the number of screws shown is the total for each splice with 1/2" the screws on each side of the cut.
 5. The number of screws is based on the minimum tensile strength of the beam.
 6. The number of deck anchors is based on total use RAVL R-Tape® allowable load data for 2500 psi concrete and / or equal anchors may be used. The number shown is the total use 1/2" lap side.
 7. Hollow splice connections can be made provided the connection is approved by the engineer.
 8. 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.
 9. All beam to upright connections for 2" x 7" beams or larger shall have an internal gusset plate except when a lower brace is used as shown. Gusset plates are required for moment, 3/4" x 4" beams or larger use 3/4" long screws.
 10. The side and upright shall have a 2" x 7" beam or larger use 3/4" long screws.
 11. For 0.050 x 0.120" k/s, side upright shall use a beam end gusset plate (14) 88 x 127 mm, side of beam.
 12. For 0.050 x 0.120" k/s, upright requires 2" x 3" x 1/2" 0.0485" (1/4") thick plate.

Form 1041-SS (2013)

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SECTION 1

SCREEN
• ABSOLUTE MINIMUM EDGE
OF CONCRETE TO C.O.

* ABSOLUTE MINIMUM EDGE
OF CONCRETE TO C.O.
FASTENER = 54

SECONDARY 2" x 2" x 0.063"
ANGLE (SEE SECONDARY
ANGLE ANCHOR SCHEDULE
AND SECTION 9)

CONCRETE ANCHORS INTO PRIMARY AND SECONDARY ANGLES

S.M.S. STITCHING SCREWS
@ 24" O.C. FOR S.M.B.
(SEE TABLE 1.6 FOR SIZE)

TOP VIEW POST TO DECK DETAIL

SCALE: 3" = 1'-0"

[illegible]

Example:
Calculate the number of anchors required: 1.5 x beam span / 2 x beam spacing x roof wind pressure (PSF) = total #;
If $1.5 \times 30/2 \times 6' \times 10 \text{ PSF} = 1,350\text{lb}$ and $1/4" \times 1/4" \text{ T-epox in tension @ } 50 = 427\text{lb}$ / ea. (see table 9.1)

then $13509 / 4275 / \text{ea.} = 3.16$ ea. use (3) ea., secondary angle not required

From edge of concrete to fastener = 2" / d_{LA} of 0.25" = 8d

Notes:
For attachment to wood deck substitute wood fasteners for concrete fasteners & calculate the required number of fasteners using tables from section 9.

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SECTION 1

SCREEN

2" x 2" x 0.003" PRIMARY ANGLE
EACH SIDE

#10 x 3/4" S.U.S. EACH SIDE
(SEE SCHEDULE NEXT PAGE)

3" VARIES
4" SHOWN

5d[#] MINIMUM EDGE DISTANCE FROM EXTERIOR OF COLUMN TO OUTSIDE EDGE OF SLAB

This diagram shows a cross-section of a column-slab joint. A rectangular column contains several vertical reinforcement bars. Two horizontal bars extend from the column into the slab, labeled with circled numbers 6 and 7. Dimension lines indicate various distances: one from the exterior face of the column to the centerline of bar 6, another from the exterior face to the centerline of bar 7, and a third from the exterior face to the outer edge of the slab.

**SECONDARY
 $2'' \times (D - 2'') \times 0.063''$ ANGLE
EACH SIDE OF COLUMN**

This diagram illustrates the placement of L-shaped secondary reinforcement angles at the corner of a column. The angles are positioned such that their long legs run parallel to the column's longitudinal axis, providing additional confinement and support to the concrete at the corners.

1/2 x 2 O.D. BASE PLATE (TYP.)

This diagram shows a base plate used to anchor a column to a foundation. The base plate is a flat, rectangular steel plate with four circular holes for bolts. It is shown sitting on a rough, textured surface representing the foundation or ground.

Diagram showing the connection between a column and a beam. The column is on the left, and the beam is on the right. The connection is made using a concrete anchor. The diagram includes dimensions for the bolt circle diameter (B.C.D.), the distance from the column face to the center of the anchor (C.A.), and the distance from the column face to the center of the beam (C.B.). The diagram is labeled "CONCRETE ANCHOR" and "S.M.S.".

(SEE SCHEDULE PAGE 65)

NOTE: DETAIL ILLUSTRATES
TYPICAL 2" x 4" S.M.B. COLUMN
CONNECTION

1-1/4" MIN. CONCRETE
ANCHOR EMBEDMENT
2500 P.S.I. CONCRETE OR
ALTERNATE 2" x ____ WOOD
DECK

5d
(MIN.)

2"
(MIN.)

SIDE VIEW

SCREEN

TYPICAL S.M. OR SNAP SECTION COLUMN

NOTE: SELECT CONCRETE ANCHOR FROM TABLE 9.1

MAX. SPACING 24" O.C.
FOR BOTH SIDES

FRONT VIEW

2" x 4" OR LARGER SELF MATING OR SNAP SECTION POST TO DECK DETAILS

NOTE:
1. FOR SIDE WALLS OF 2" x 4" OR SMALLER ONLY ONE ANGLE IS REQUIRED.
2. PREDRILL PAVERS W/ MIN. 1/4" MASONRY BIT.

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 E-mail: lbennett@earthlink.net

SECTION 1

SECTION 1

Table 1.3A 120 Moment Connection
Allowable Post / Upright Heights for Primary Screen Wall Frame Members
Aluminum Alloy 6063 T-4

[illegible]

1. Thicknesses shown are "typical" industry standard thicknesses. No wall thickness shall be less than 0.040".
2. Using screen panel with "W" select typical length 14".
3. Above heights do not include length of frame bracing. Add vertical distance from upright to center of brace to beam connection to the above heights for total beam heights.
4. Engineering required for post enclosures over 30' in mean roof height.
5. Height to top of beam and upright connection to fascia or wall connection.
6. Chair rails of 2" x 2" x 0.040" are required for heights are designed to be residential guardrails provided they are attached with min. (3) 1/8" x 1 1/2" S.M.S. bolts per post.
7. Maximum beam size for 2" x 2" x 0.055" is 2 x 7 x 0.120".
8. Heights may be interpolated.
9. To convert heights to "C" and "D" exposure multipliers and example on page 1-4.

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SECTION 1

Table 1.A 120 Allowable Post / Girt / Chair Rail Spans, Header Spans & Upright Heights for Secondary Screen Wall Frame Members

Aluminum Alloy 6063 T-4
for 3 second wind gust at a velocity of 170 MPH Exposure "B" or an applied load of 15.0 / sq. ft.

Hollow Sections		Tributary Load Width $W =$ Unsplit Spacing				
3×3	4×4	5×5	6×6	7×7	8×8	9×9
Allowable Height H^a or Span L^b / bending (b), deflection (d)						
6-11 ^b	5-11 ^b	5-3 ^b	5-3 ^b	4-10 ^b	3-11 ^b	3-4 ^b
7-5 ^b	6 ^b	5-10 ^b	5-3 ^b	4-10 ^b	4-3 ^b	4-2 ^b
8-10 ^b	7-4 ^b	7-4 ^b	6-11 ^b	5-3 ^b	5-4 ^b	5-4 ^b
9-7 ^b	8-10 ^b	6-11 ^b	6-5 ^b	4-11 ^b	4-7 ^b	4-3 ^b
10-11 ^b	9-7 ^b	7-5 ^b	6-5 ^b	5-11 ^b	5-7 ^b	5-2 ^b
11-8 ^b	10-6 ^b	8-4 ^b	7-6 ^b	5-11 ^b	5-6 ^b	5-2 ^b
12-8 ^b	11-8 ^b	9-7 ^b	7-6 ^b	6-11 ^b	6-4 ^b	5-6 ^b
13-8 ^b	12-3 ^b	11-2 ^b	10-3 ^b	6-7 ^b	6-11 ^b	6-11 ^b
Snap Sections		Tributary Load Width $W =$ Unsplit Spacing				
3×3	4×4	5×5	6×6	7×7	8×8	9×9
Allowable Height H^a or Span L^b / bending (b), deflection (d)						
6-3 ^b	5-4 ^b	5-4 ^b	4-11 ^b	4-6 ^b	4-2 ^b	3-10 ^b
Sections Are Horizontal						
Through End Into Beam Bases						
Hollow Sections		Tributary Load Width $W =$ Unsplit Spacing				
3×3	4×4	5×5	6×6	7×7	8×8	9×9
Allowable Height H^a or Span L^b / bending (b), deflection (d)						
8-11 ^b	7-4 ^b	6-9 ^b	6-11 ^b	5-7 ^b	5-2 ^b	4-3 ^b
10-4 ^b	8-11 ^b	7-4 ^b	6-8 ^b	6-7 ^b	6-2 ^b	5-9 ^b
10-7 ^b	8-11 ^b	8-11 ^b	7-3 ^b	6-8 ^b	6-2 ^b	5-9 ^b
11-4 ^b	10-7 ^b	10-7 ^b	8-4 ^b	7-4 ^b	6-10 ^b	6-10 ^b
17-11 ^b	16-5 ^b	15-3 ^b	12-6 ^b	11-6 ^b	10-5 ^b	10-4 ^b
Snap Sections		Tributary Load Width $W =$ Unsplit Spacing				
3×3	4×4	5×5	6×6	7×7	8×8	9×9
Allowable Height H^a or Span L^b / bending (b), deflection (d)						
8-5 ^b	7-2 ^b	6-3 ^b	5-7 ^b	5-1 ^b	4-3 ^b	4-3 ^b

- [illegible]

Lawrence E. Bennett, P.E. FL # 16644
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 E-mail: lbennett@earthlink.net

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.
IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE
RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 24-45-16-03116-005 ~~11~~ X

Permit Number _____

1. Description of property: (legal description of the property and street address or 911 address)

COMM SE COR OF SW1/4, RUN N 772.51 FT FOR
POB, CONT N 172.51 FT, W 191.84 FT, S 172.50
FT, E 190.63 FT TO POB. (AKA LOT 11 BLK A
PICADILLY PARK S/D UNREC) ORB 437-649, TO
LIFE ESTATE TRUST 857-772, TD 1093-792

2. General description of Improvement: Above ground swimming pool with water fall
12' x 25' 7" / with a 20 x 35 screen enclosure

3. Owner Name & Address Ann Minneman
493 S.W. Angela Terr Lake City FL 32024 Interest in Property Owner

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name Pools Plus North Central Inc Phone Number 386-758-6718
Address 4845 W US Hwy 90 Lake City FLA. 32055

6. Surety Holders Name _____ Phone Number _____
Address _____

Amount of Bond _____

7. Lender Name _____
Address _____

Inst: 200712023274 Date: 10/16/2007 Time: 2:55 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1

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 _____ Phone Number _____
Address _____

9. In addition to himself/herself the owner designates _____ of
_____ to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

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

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN
IN HIS/HER STEAD.

Ann Minneman
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 16 October, 2007.

[Signature]
Signature of Notary

NOTARY STAMP/SEAL

NOTARY PUBLIC-STATE OF FLORIDA
Francis Robson
Commission # DD506674
Expires: JAN. 12, 2010
Bonded by Atlantic Bonding Co., Inc.