

This Permit Expires One Year From the Date of Issue

APPLICANTROBERT MCINTOSHPHONE754-8678

ADDRESS289NW CORINTH DRLAKE CITYFL32055

OWNERGERALD & PATRICIA HALEPHONE386.758.7857

ADDRESS244SW CHALLENGER LANELAKE CITYFL32025

CONTRACTORMICHAEL DELAHOZPHONE754-8678

LOCATION OF PROPERTYBASCOM NORRIS TO DEANNA,TR TO BAMBI,TR TO WINGS TERRACE,TL
TO CHALLNGER,TR 3RD HOME ON L.

TYPE DEVELOPMENTSCREEN ENCLOSUREESTIMATED COST OF CONSTRUCTION7200.00

HEATED FLOOR AREATOTAL AREAHEIGHTSTORIES

FOUNDATIONWALLSROOF PITCHFLOOR

LAND USE & ZONINGRSF-2MAX. HEIGHT35

Minimum Set Back Requirments:STREET-FRONT25.00REAR15.00SIDE10.00

NO. EX.D.U.1FLOOD ZONENADEVELOPMENT PERMIT NO.

PARCEL ID07-4S-17-08106-114SUBDIVISIONCOUNTRY LANDING

LOT14BLOCKPHASEUNITTOTAL ACRES0.49

SCC056689

Culvert Permit No.Culvert WaiverContractor's License NumberApplicant/Owner/Contractor

EXISTINGX07-373CSJHN

Driveway ConnectionSeptic Tank NumberLU & Zoning checked byApproved for IssuanceNew Resident

COMMENTS: NOC ON FILE

Check # or Cash2513

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary PowerFoundationMonolithic

date/app. bydate/app. bydate/app. by

Under slab rough-in plumbingSlabSheathing/Nailing

date/app. bydate/app. bydate/app. by

FramingRough-in plumbing above slab and below wood floor

date/app. bydate/app. by

Electrical rough-inHeat & Air DuctPeri. beam (Lintel)

date/app. bydate/app. bydate/app. by

Permanent powerC.O. FinalCulvert

date/app. bydate/app. bydate/app. by

M/H tie downs, blocking, electricity and plumbingPool

date/app. bydate/app. by

ReconnectionPump poleUtility Pole

date/app. bydate/app. bydate/app. by

M/H PoleTravel TrailerRe-roof

date/app. bydate/app. bydate/app. by

BUILDING PERMIT FEE \$40.00CERTIFICATION FEE \$0.00SURCHARGE FEE \$0.00

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

FLOOD DEVELOPMENT FEE \$FLOOD ZONE FEE \$CULVERT FEE \$TOTAL FEE40.00

INSPECTORS OFFICECLERKS 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 INCONVIENCE, 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.

Columbia County Building Permit Application

ck# 3513

For Office Use Only Application # 6709-49 Date Received 9/17 By TW Permit # 26260
 Application Approved by - Zoning Official af Date 9/21/07 Plans Examiner AKJH Date 9-17-07
 Flood Zone N/A Development Permit — Zoning RSF-2 Land Use Plan Map Category RLD

Comments

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

Fax 386-755-1751

Name Authorized Person Signing Permit Robert McIntosh Phone 386-754-8678

Address 289 NW Corinth Dr Lake City, FL 32055

Owners Name Hale, Gerald & Patricia Phone 386-758-7857

911 Address 244 SW Challenger Lane, Lake City, FL 32025

Contractors Name Michael A DelaHoz Phone 386-754-8678

Address 927 Hickory St Altamonte Springs, FL 32701

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address —

Mortgage Lenders Name & Address N/A

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

Property ID Number 07-48-17-08106-114H1 Estimated Cost of Construction 7200.00

Subdivision Name Country Landings Lot 14 Block — Unit — Phase —

Driving Directions Bascom Morris to a right on Deanne then right on

Bambie, left on Wings Terrace, Right on Challenger Rd 3rd

House on the left

Type of Construction Pool Enclosure Number of Existing Dwellings on Property 1

Total Acreage 0.497 Lot Size — Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 67' Side 26.6' Side 62' Rear 80'

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.

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Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 18 day of Jan 2007

Personally known ☒ or Produced Identification —

Contractor Signature Nadean G. McIntosh

Contractors License Number 056689

Competency Card Number —

NOTARY STAMP/SEAL



Nadean G.S. McIntosh

Commission # DD371494

Expires November 14, 2008

Bonded Troy Fain - Insurance, Inc. 800-365-7919

Notary Signature Nadean G. McIntosh

(Revised Sept. 2006)

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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 07-48-17-25106-114 Hx

1. Description of property: (legal description of the property and street address or 911 address)
Lot 14 Country Landings S/D ORB 820-229, 906-2239, 952-2687, WB 1062-1101
244 SW Challenger Lane
2. General description of improvement: Pool Enclosure
3. Owner Name & Address Gerald & Patricia Hale
244 SW Challenger Lane LC 32055 Interest in Property Owner
4. Name & Address of Fee Simple Owner (if other than owner): N/A
5. Contractor Name Mike Delahoz Phone Number 386-754-8678
Address 927 Hickory St Palmetto Springs FL 32701
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 _____ Phone Number _____
Address _____
9. In addition to himself/herself the owner designates Florida Pool Enclosure of
289 NW Corinth Dr LC 32055 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee 386-754-8678
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) _____

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.

[Signature]
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of August 23, 2007

NOTARY Seal Nadean G.S. McIntosh
Commission # DD371494
Expires November 14, 2008
Bonded Troy Fish - Insurance, Inc. 800-305-7019

[Signature]
Signature of Notary

Columbia County Property Appraiser

DB Last Updated: 8/2/2007

2007 Proposed Values

Tax Record

Property Card

Interactive GIS Map

New Super Homestead Taxable Value Calculator

Print

Parcel: 07-4S-17-08106-114 HX

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Search Result: 7 of 28

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Owner & Property Info

Owner's Name	HALE GERALD E &		
Site Address	CHALLENGER		
Mailing Address	PATRICIA R 244 SW CHALLENGER LANE LAKE CITY, FL 32025		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	7417.04	Tax District	2
UD Codes	MKTA06	Market Area	06
Total Land Area	0.498 ACRES		
Description	LOT 14 COUNTRY LANDINGS S/D. ORB 820-229, 906-2239, 952-2687. WD 1062-1106.		

GIS Aerial**Property & Assessment Values**

Mkt Land Value	cnt: (1)	\$57,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (1)	\$213,820.00
XFOB Value	cnt: (2)	\$3,456.00
Total Appraised Value		\$274,276.00

Just Value	\$274,276.00
Class Value	\$0.00
Assessed Value	\$260,836.00
Exempt Value	(code: HX) \$25,000.00
Total Taxable Value	\$235,836.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
10/18/2005	1062/1106	WD	I	Q		\$315,000.00
5/1/2002	952/2687	WD	I	U	99	\$100.00
6/28/2000	906/2239	WD	V	Q		\$30,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2002	Vinyl Side (31)	2177	5304	\$213,820.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	2001	\$1,452.00	968.000	22 x 44 x 0	(.00)
0166	CONC,PAVMT	2003	\$2,004.00	1002.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.498AC)	1.00/1.00/1.00/1.00	\$57,000.00	\$57,000.00

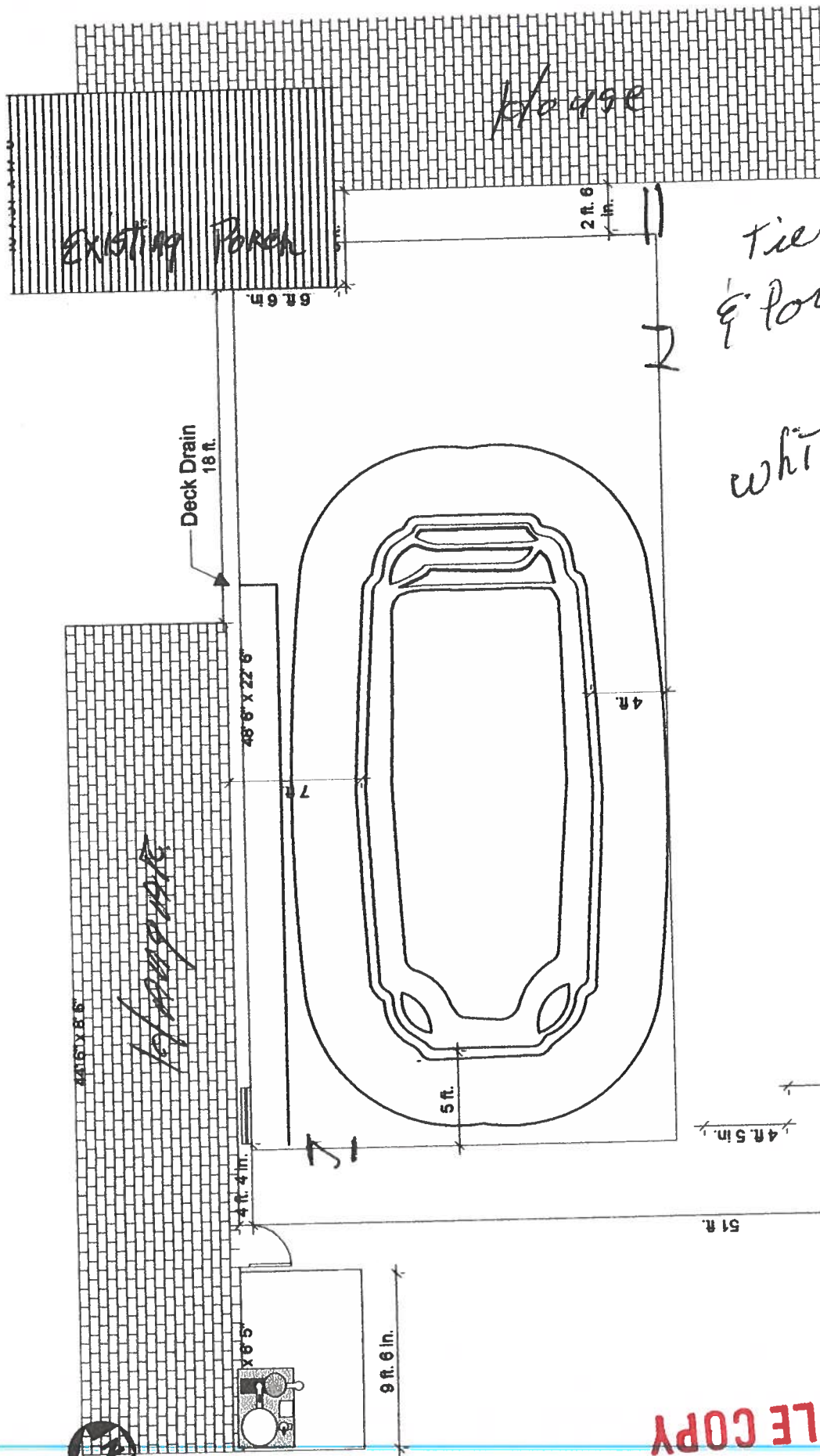
Columbia County Property Appraiser

DB Last Updated: 8/2/2007

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Tie into House
& Porch
white Dome.

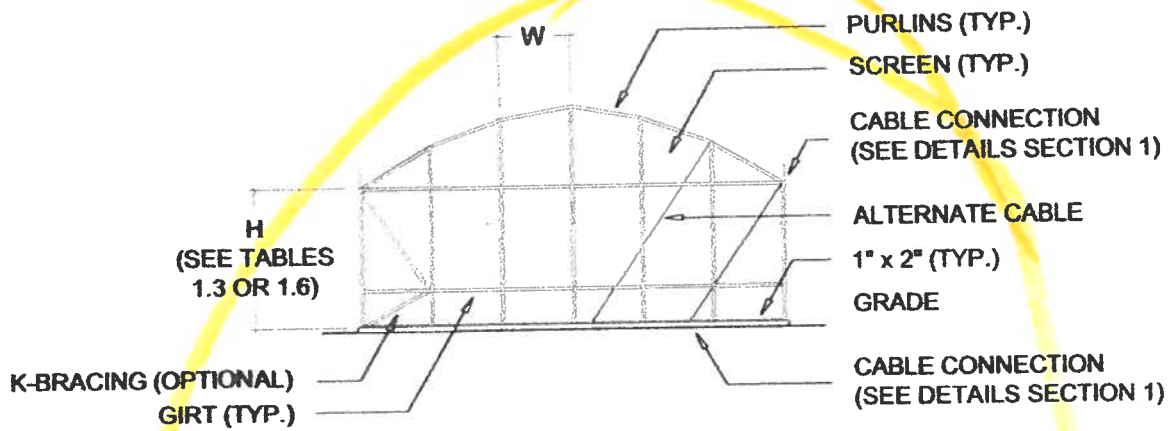
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Advantage Pools
757 SW SR 247 Suite 101
Lake City, FL 32925
Phone: 386-758-7522
Fax: 386-758-7522

Designed by:
Ray Lussier
Accepted by:

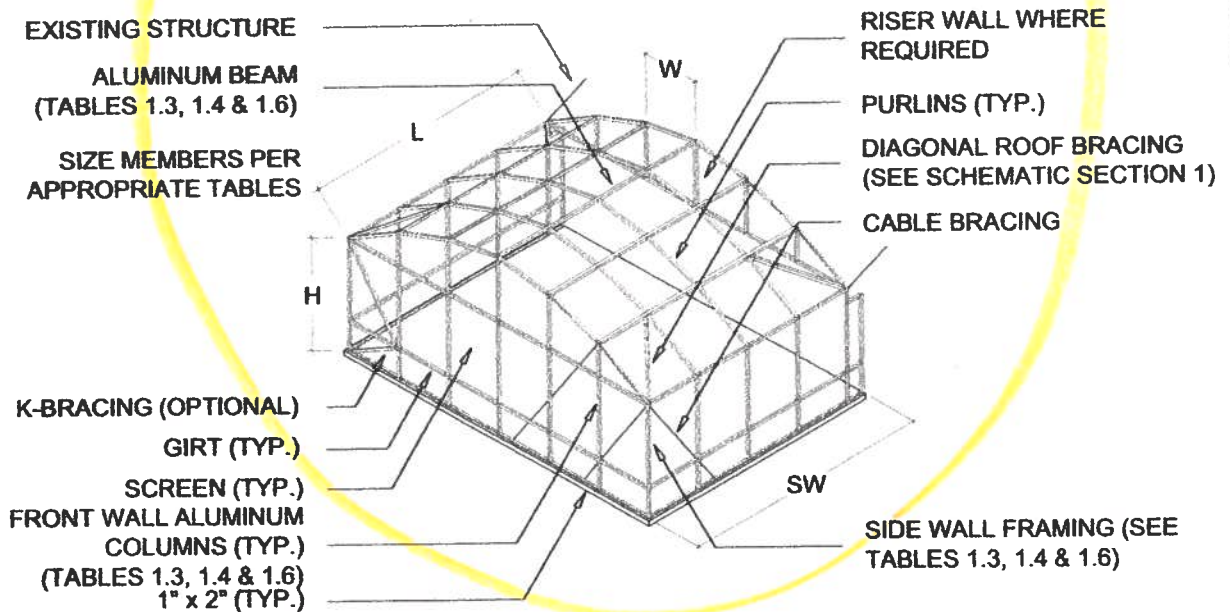
SCREENED ENCLOSURES

SECTION 1



TYPICAL DOME ROOF - FRONT WALL ELEVATION

SCALE: N.T.S.



TYPICAL DOME 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) 767-4774 Fax #: (386) 767-6556

Email: lebpe@bellsouth.net

SCREENED ENCLOSURES

SECTION 1

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 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
Up to 6'-0"	2" x 4" x 0.044" x 0.100"	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.

Note:

1. For required knee braces greater than 4'-6" contact engineer for specifications and details.
2. Cantilever beam detail shown on page 1-40 shall be used for transom wall to host structure attachment when knee brace length exceeds 6'-0".

Table 1.8 K-Bracing Fastening Schedule

Maximum Wall Width =	Number of #10 x 3/4" S.M.S. Required				
	Corner Post @ Top	Diagonals (K) per End	Intermediate Post @ Chair Rail	Corner Post @ Bottom	Plate to Sole Plate
20'-0"	2	2	4	2	2
30'-0"	2	2	4	2	2
40'-0"	3	4	6	2	2
50'-0"	4	5	8	3	3
60'-0"	6	7	12	3	3

Use front wall width when determining number of s.m.s. for the side wall K-bracing.

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

REVISED APRIL 2007

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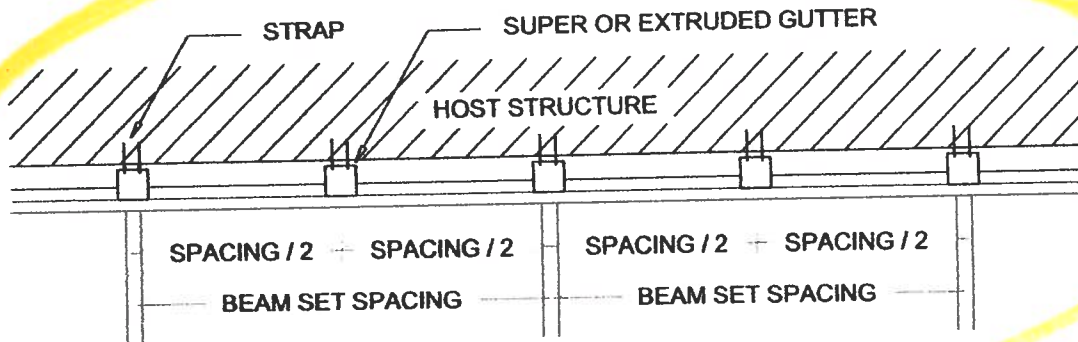
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SECTION 1

SCREENED ENCLOSURES

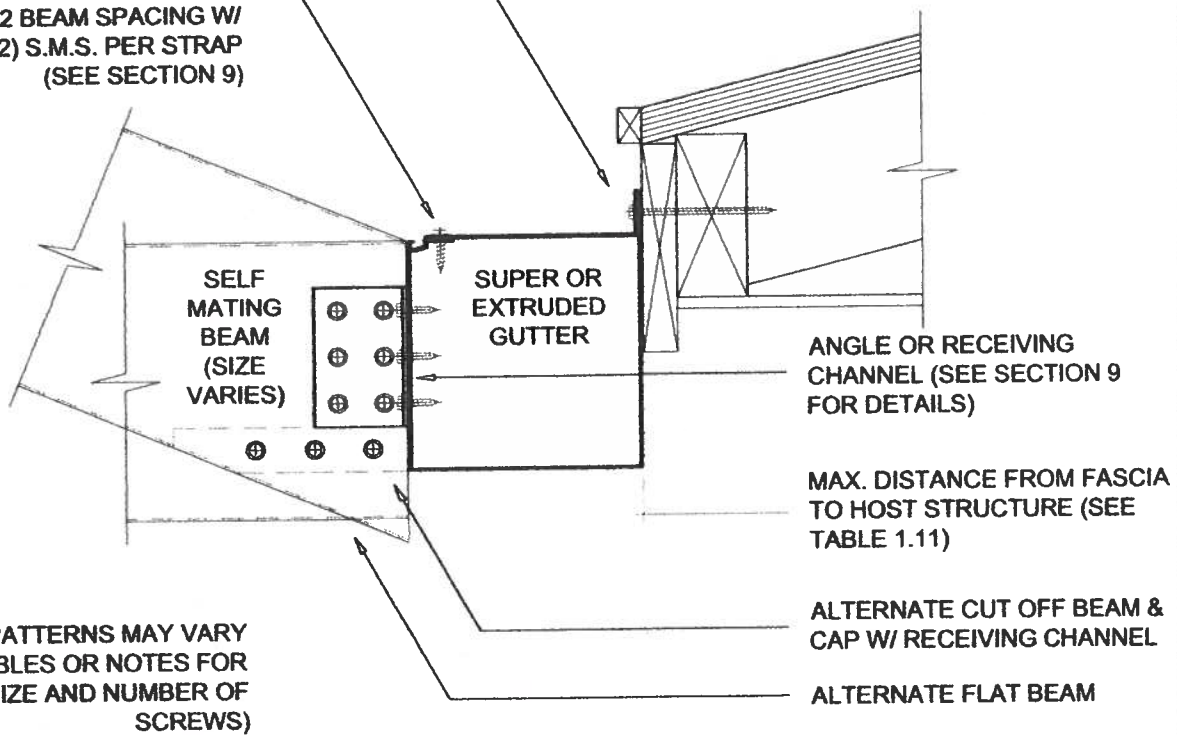


STRAP LOCATION FOR SUPER OR EXTRUDED GUTTER REINFORCEMENT

SCALE: $\frac{3}{8}" = 1'-0"$

2" S.M.S. OR LAG SCREWS
(SEE SECTION 9)

2" x $\frac{1}{4}"$ x 0.050" STRAP @
EACH BEAM CONNECTION
AND @ $\frac{1}{2}$ BEAM SPACING W/
(2) S.M.S. PER STRAP
(SEE SECTION 9)



SELF MATING BEAM CONNECTION TO SUPER OR EXTRUDED GUTTER

SCALE: $3" = 1'-0"$

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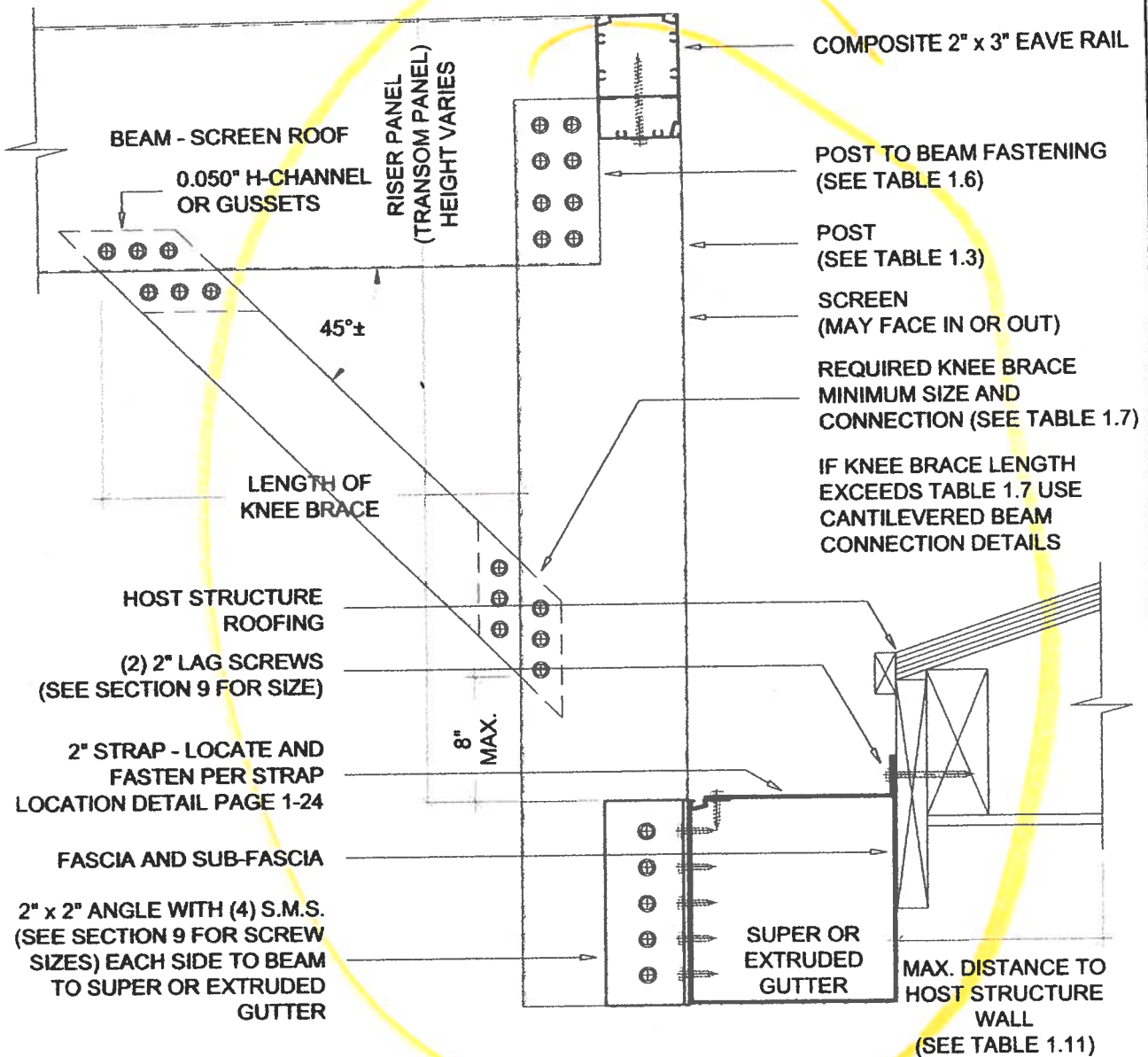
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SECTION 1

SCREENED ENCLOSURES



**SUPER OR EXTRUDED GUTTER
RISER (OR TRANSOM) WALL AT FASCIA - DETAIL 4**

SCALE: 3" = 1'-0"

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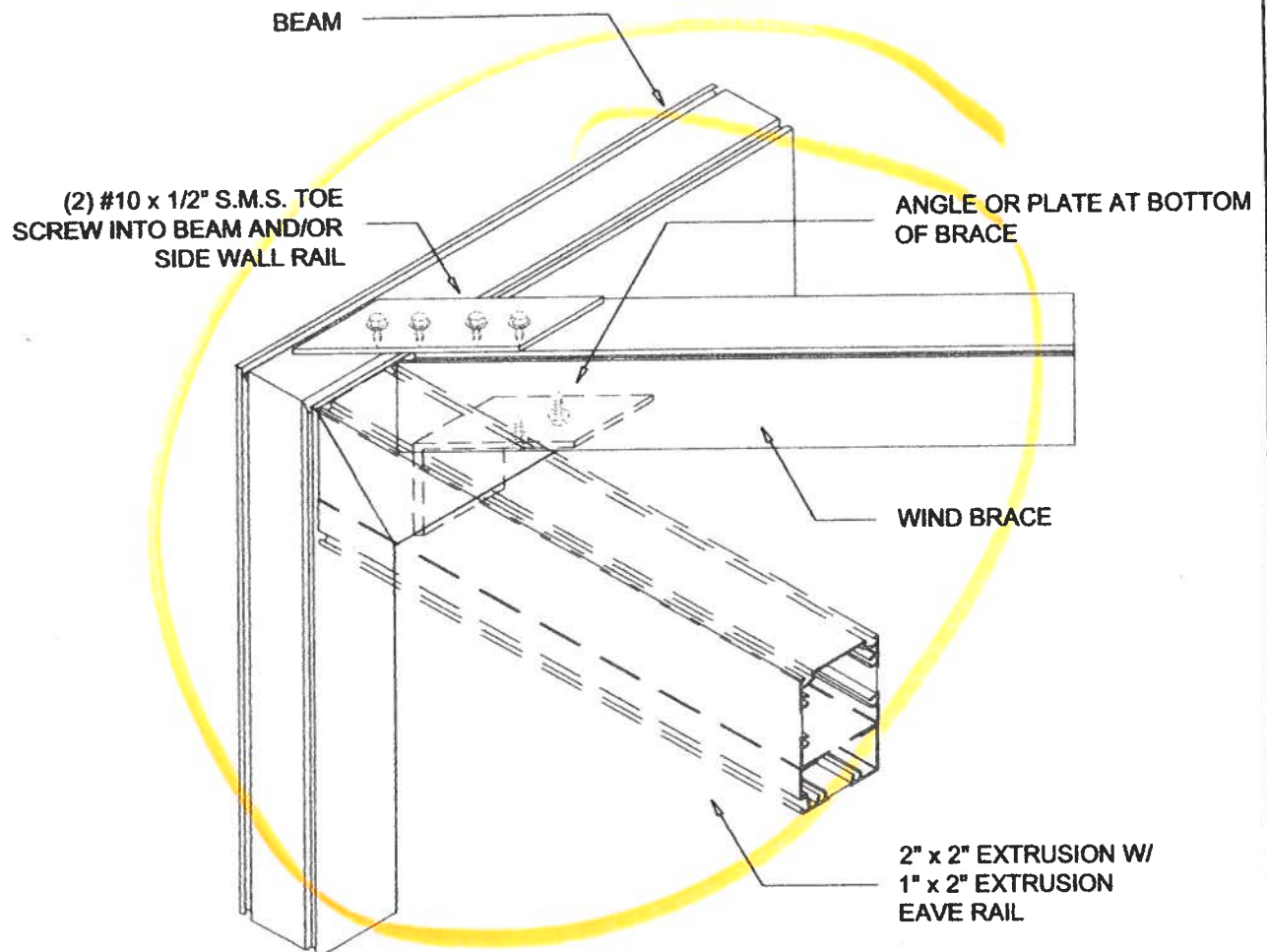
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SCREENED ENCLOSURES

SECTION 1



WIND BRACE CONNECTION DETAIL

SCALE: 3" = 1'-0"

NOTES:

1. Wind bracing shall be provided at each side wall panel when enclosure projects more than (4) panels from host structure.

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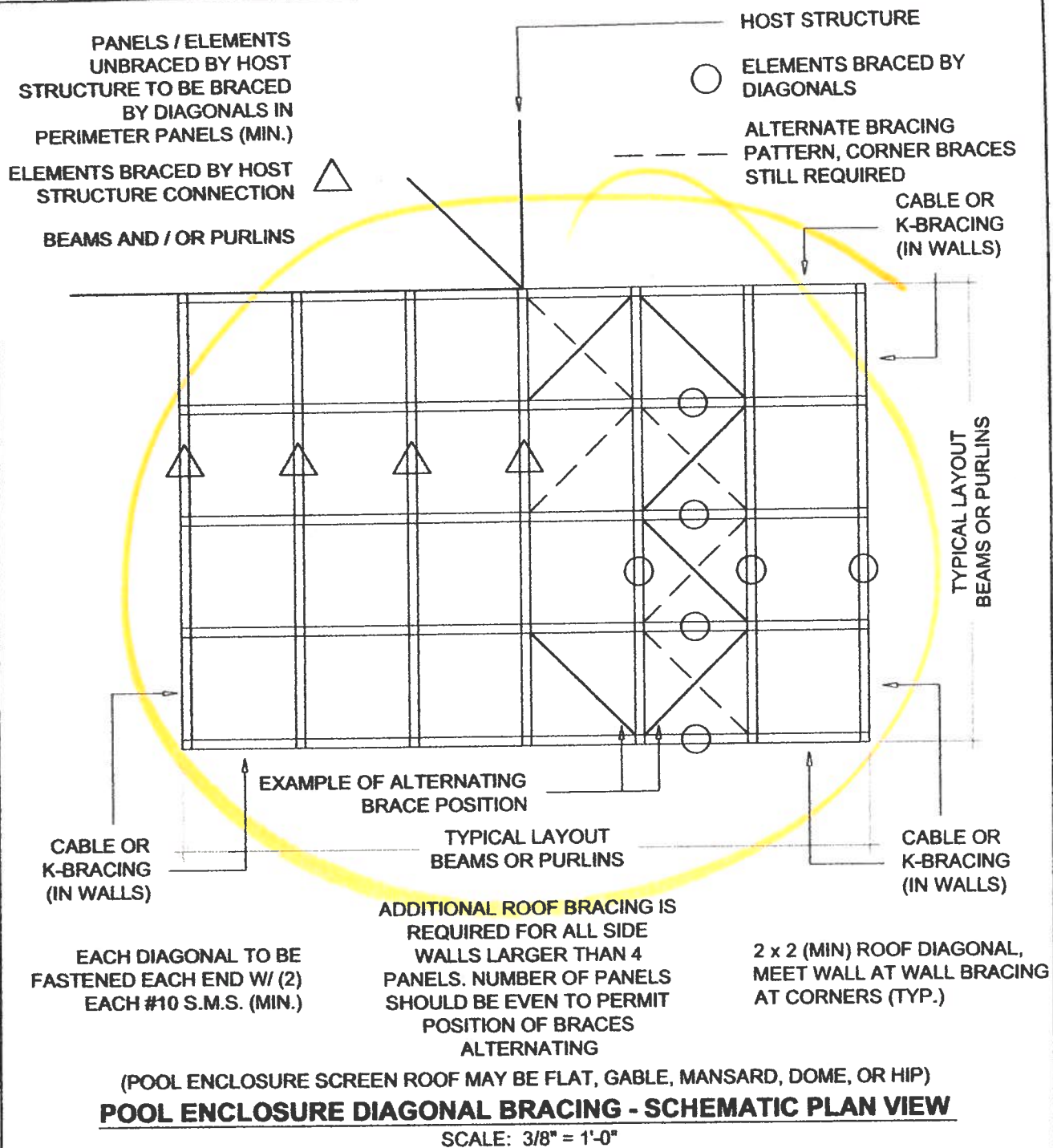
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SECTION 1

SCREENED ENCLOSURES



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CABLE BRACING**General Notes and Specifications:**

- 1) The following shall apply to the installation of cables as additional bracing to DIAGONAL bracing for pool enclosures:

a) FRONT WALL CABLES - 7 x 19 STAINLESS STEEL

CABLE DIAMETER	TOTAL ALLOWABLE WALL AREA *
3/32"	233 Sq. Ft. / PAIR OF CABLES
1/8"	445 Sq. Ft. / PAIR OF CABLES

* TOTAL WALL AREA = 100% OF FRONT WALL + 50% OF ONE SIDE WALL

EXAMPLE: FRONT WALL AREA @ 100% (8' x 32') = 256 Sq. Ft.

SIDE WALL AREA @ 50% (8' x 20') = 80 Sq. Ft.

TOTAL WALL AREA = 336 Sq. Ft.

233 Sq. Ft. x 2 sets = 466 Sq. Ft. > 336 Sq. Ft.; thus two sets of 3/32" cables is required.

b) SIDE WALL CABLES - 7 x 19 STAINLESS STEEL

CABLE DIAMETER	SIDE WALL CABLE **
3/32"	ONE PER 233 Sq. Ft. OF WALL
1/8"	ONE PER 445 Sq. Ft. OF WALL

** SIDE WALL CABLES ARE NOT REQUIRED FOR SIDE WALLS LESS THAN 233 Sq. Ft.

- c) To calculate the required pair of cables for free standing pool enclosures use 100% of each wall area & 50% of the area of one adjacent wall.

NOTES:

1. Where wall height is such that a girt is required between the top or eave rail and the chair rail, (i.e. a mid-rise girt), then the front wall shall have two cable pairs and they shall be attached to the top rail and the mid-rise rail. If more than one additional girt is required between the top or eave rail and the chair rail, then there shall be an additional front wall cable pair at that girt also.
2. Side walls do not require cables until the side wall area is greater than 233 Sq. Ft.. The side wall cable may be attached at the mid-rise girt or the top rail.
3. Standard rounding off rules apply. ie: if the number of cables calculated is less than 2.5 pairs use two cables; if the number of cables calculated is 2.5 pairs or greater use 3 pairs of cables.
4. Additional roof bracing is required for all side walls larger than 4 panels. Number of panels shall be even and position shall be alternating.

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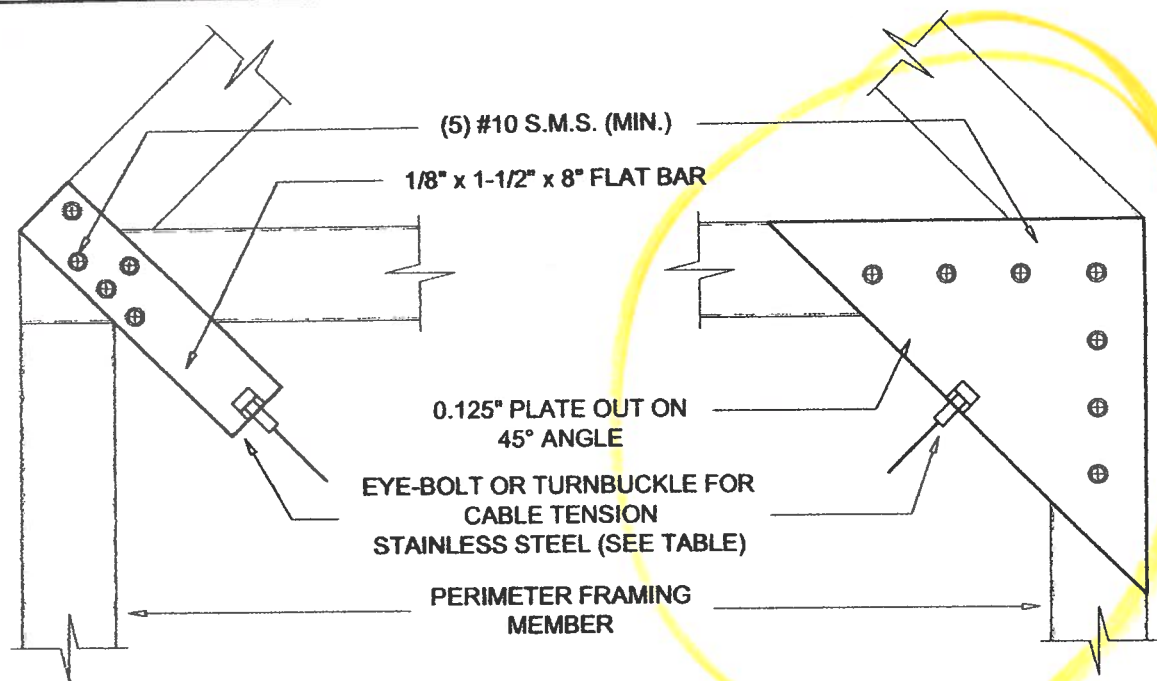
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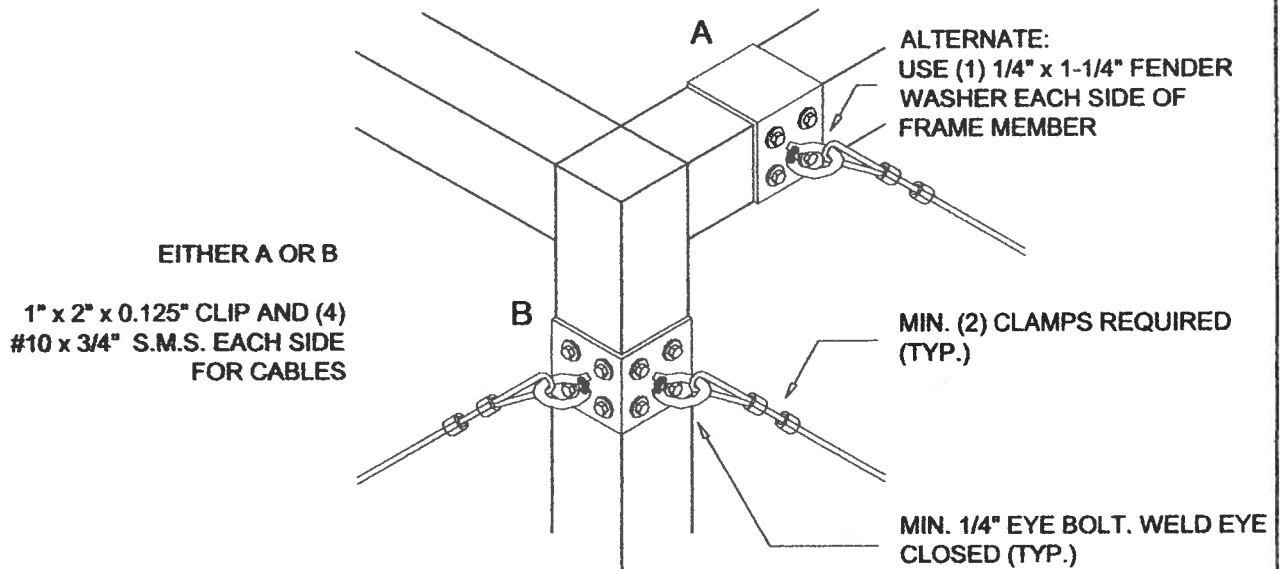
SCREENED ENCLOSURES

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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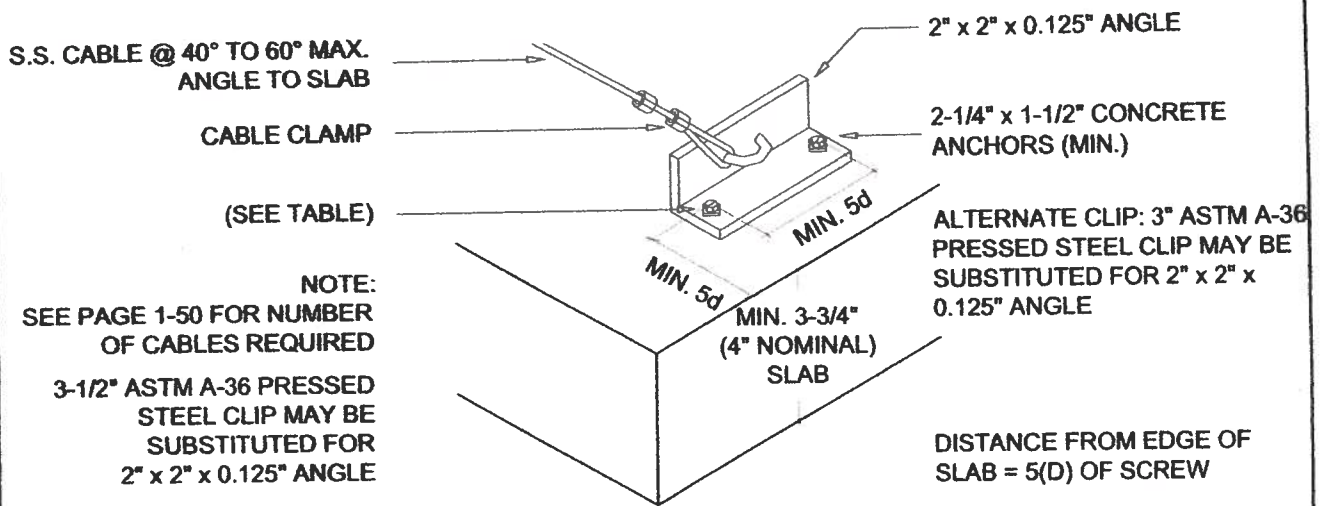
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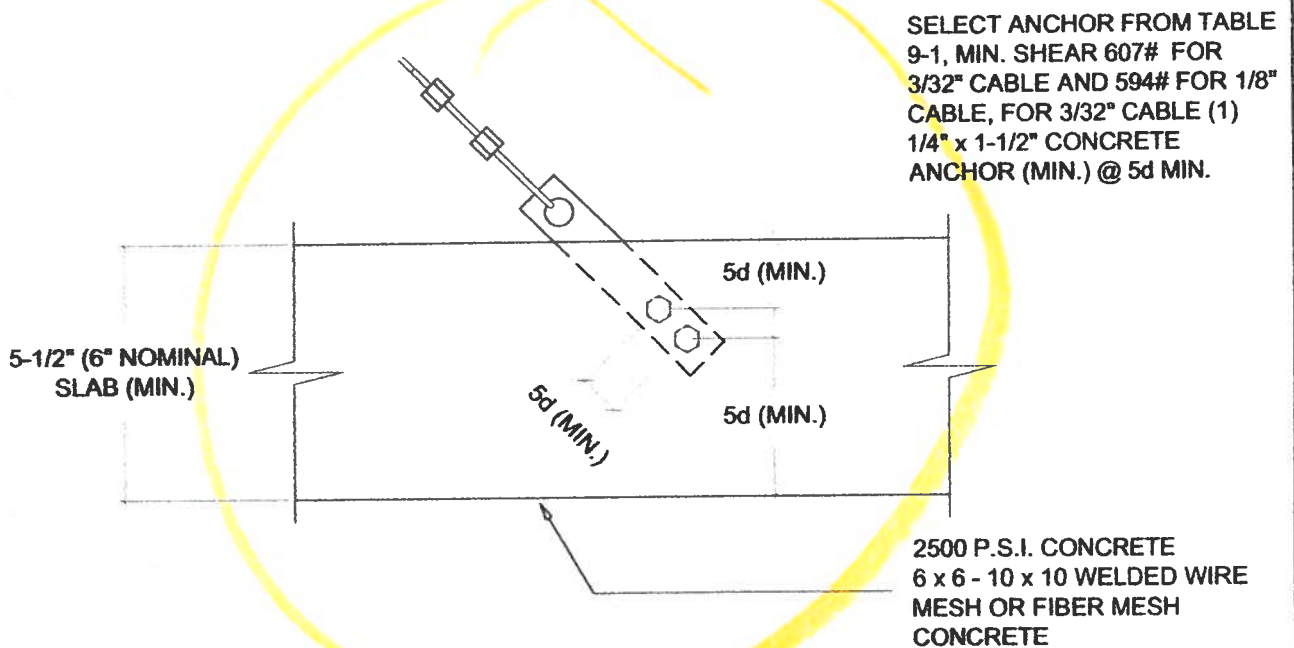
SCREENED ENCLOSURES

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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SECTION 1

SCREENED ENCLOSURES

PURLINS ANCHORED W/
CLIPS OR #10 SCREWS
THROUGH PURLINS INTO
SCREW BOSSES

EAVE RAILS SHALL BE
STITCHED W/ #10 x 1-1/2" SMS
@ 6" FROM EACH END AND 24"
O.C. MAX.

FRONT AND SIDE BOTTOM
RAILS ATTACHED TO
CONCRETE W/ 1/4" x 2-1/4"
CONCRETE / MASONRY
ANCHORS @ PRIMARY &
SECONDARY ANGLES OR @ 6"
FROM EACH POST AND 24"
O.C. MAX. AND WALLS MIN. 1"
FROM EDGE OF CONCRETE

GIRTS ANCHORED W/ CLIPS
OR THROUGH #10 SCREWS
INTO SCREW BOSSES

1" x 2" OR 1" x 3"

PURLIN & CHAIR RAIL DETAIL

SCALE: 3" = 1'-0"

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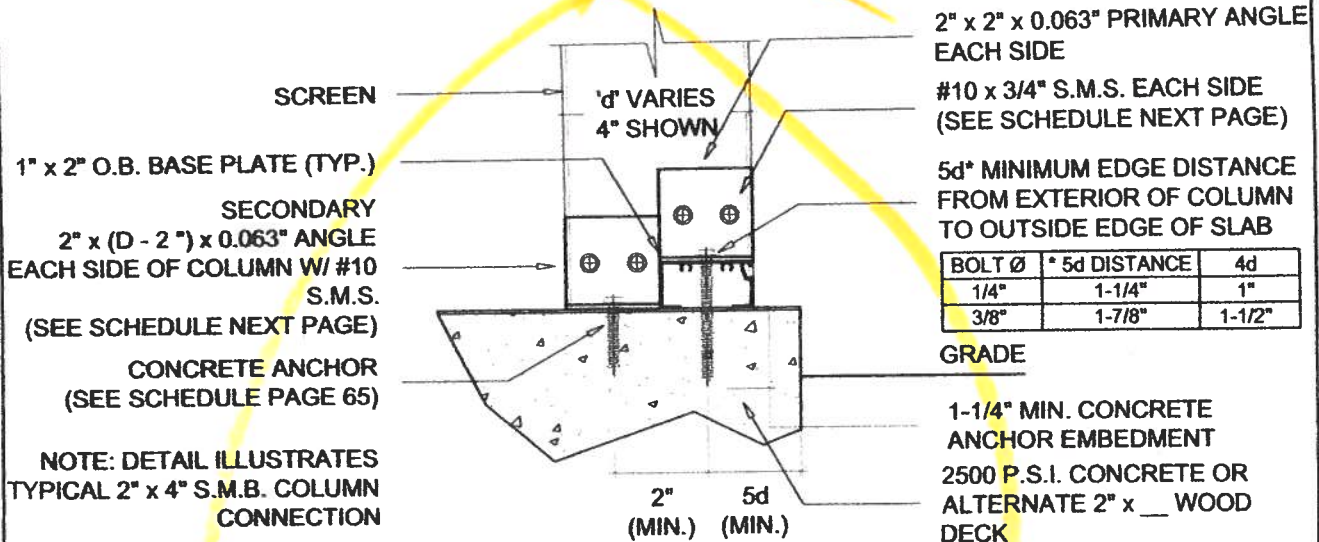
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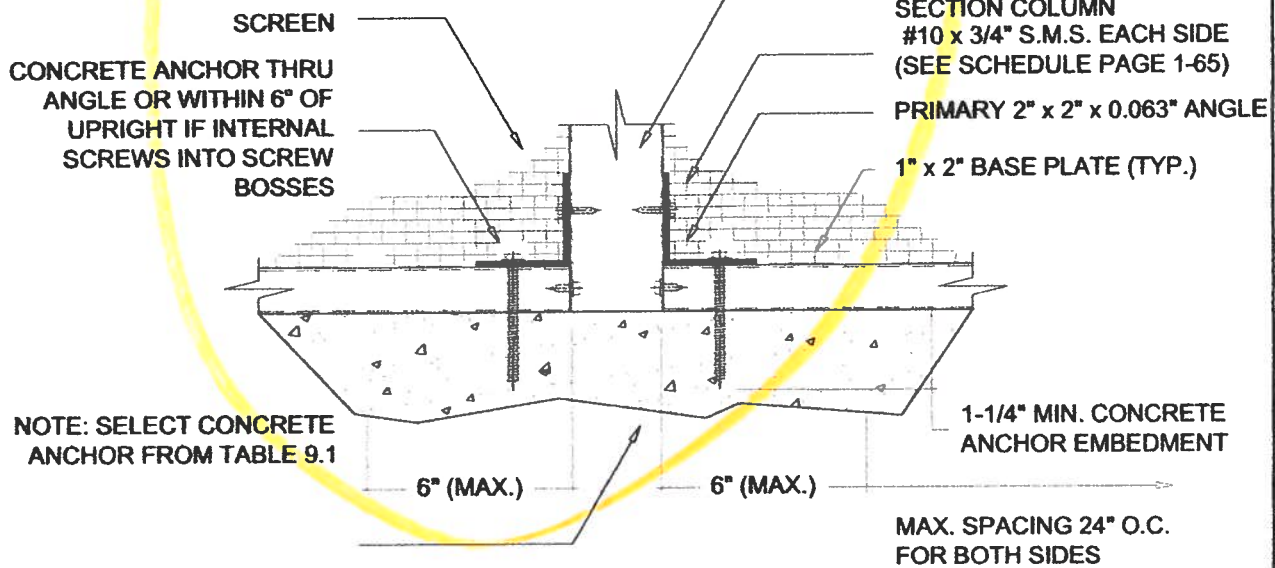
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SECTION 1

SCREENED ENCLOSURES



SIDE VIEW



FRONT VIEW

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

SCALE: 3" = 1'-0"

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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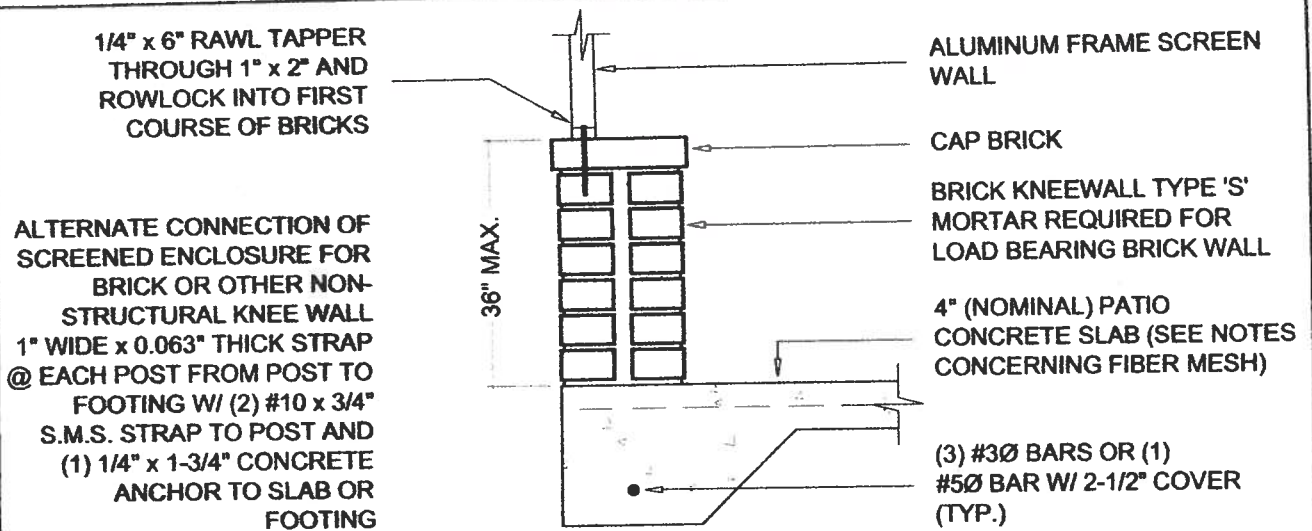
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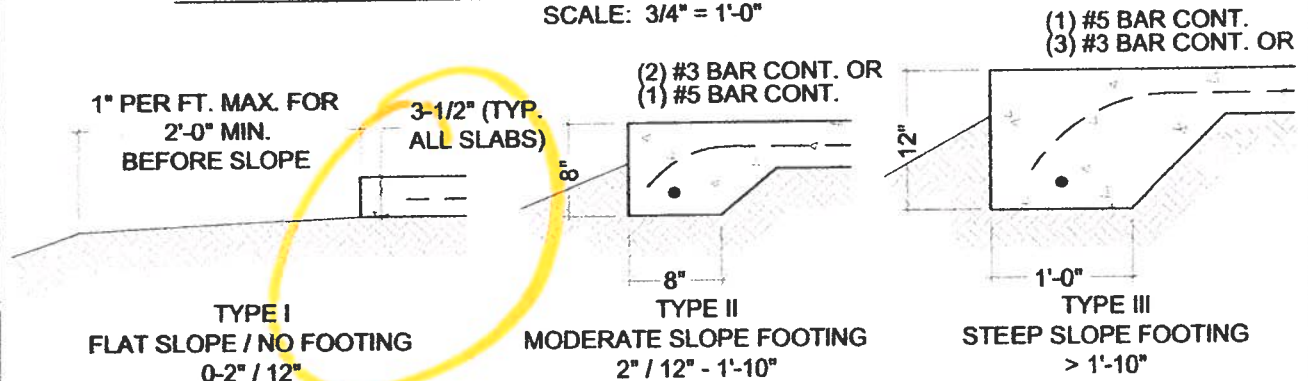
SCREENED ENCLOSURES

SECTION 1



BRICK KNEEWALL AND FOUNDATION FOR SCREEN WALLS

SCALE: 3/4" = 1'-0"



Notes for all foundation types:

1. The foundations shown are based on a minimum soil bearing pressure of 1,500 PSF. Bearing capacity of soil shall be verified prior to placing slab by field soil test (soil penetrometer) or a soil testing lab.
2. The slab / foundation shall be cleared of debris, roots and compacted prior to placement of concrete.
3. No footing is required except when addressing erosion until the slab width in the direction of the primary beams exceeds the span per table on page 1-69, then a type II slab is required under the load bearing wall only unless the side wall exceeds 16' in height or the enclosure is in a "C" exposure category in which case a type II footing is required.
4. Monolithic slabs and footings shall be minimum 2,500 psi concrete with 6 x 6 - 10 x 10 welded wire mesh or crack control fiber mesh; Fibermesh® Mesh, InForce™ e3™ (Formerly Fibermesh MD) per manufacturer's specification may be used in lieu of wire mesh. All slabs / footings shall be allowed to cure for 7 days before installing anchors.
5. If local codes require a minimum footing use Type II footing or footing section required by local code. Local codes govern.

SLAB-FOOTING DETAILS

SCALE: 3/4" = 1'-0"

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SECTION 1

SCREENED ENCLOSURES

Table 1.1 120 Allowable Spans for Primary Screen Roof Frame Members

Aluminum Alloy 6063 T-6

For Wind Zones up to 120 M.P.H., Exposure "B" and Latitudes Below 30°-30'-00" North (Jacksonville, FL)

Uniform Load = 4 #/SF, a Point Load of 300 #/SF over (1) linear ft. is also considered

Hollow Sections	Tributary Load Width "W" = Beam Spacing													
	3'-0"		4'-0"		5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	
	Allowable Span "L" / Point Load (P) or Uniform Load (U), bending (b), deflection (d)													
2" x 2" x 0.044"	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb	4'-5"	Pb
2" x 2" x 0.050"	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb	5'-2"	Pb
2" x 2" x 0.090"	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb	7'-6"	Pb
2" x 3" x 0.045"	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb	7'-7"	Pb
2" x 4" x 0.050"	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb	9'-1"	Pb
2" x 5" x 0.062"	20'-5"	Pb	20'-5"	Pb	20'-5"	Pb	20'-4"	Ud	19'-4"	Ud	18'-6"	Ud	17'-9"	Ud

Self Mating Sections	Tributary Load Width "W" = Beam Spacing													
	3'-0"		4'-0"		5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	
	Allowable Span "L" / Point Load (P) or Uniform Load (U), bending (b), deflection (d)													
2" x 4" x 0.044 x 0.100"	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd	11'-8"	Pd
2" x 5" x 0.050" x 0.100"	16'-1"	Pd	16'-1"	Pd	16'-1"	Pd	16'-1"	Pd	16'-1"	Pd	15'-9"	Ud	15'-1"	Ud
2" x 6" x 0.050" x 0.120"	20'-4"	Pd	20'-4"	Pd	20'-4"	Pd	20'-3"	Ud	19'-3"	Ud	18'-5"	Ud	17'-8"	Ud
2" x 7" x 0.055" x 0.120"	24'-9"	Pd	24'-9"	Pd	24'-6"	Ud	23'-1"	Ud	21'-11"	Ud	20'-11"	Ud	20'-2"	Ud
2" x 8" x 0.072" x 0.224"	34'-2"	Pd	32'-9"	Ud	30'-5"	Ud	28'-7"	Ud	27'-2"	Ud	25'-11"	Ud	24'-11"	Ud
2" x 9" x 0.072" x 0.224"	39'-3"	Pd	35'-11"	Ud	33'-4"	Ud	31'-5"	Ud	29'-10"	Ud	28'-6"	Ud	27'-5"	Ud
2" x 9" x 0.082" x 0.310"	42'-5"	Ud	38'-7"	Ud	35'-10"	Ud	33'-8"	Ud	31'-11"	Ud	30'-7"	Ud	29'-5"	Ud
2" x 10" x 0.092" x 0.369"	49'-3"	Ud	44'-9"	Ud	41'-7"	Ud	39'-1"	Ud	37'-2"	Ud	35'-6"	Ud	34'-2"	Ud

Snap Sections	Tributary Load Width "W" = Beam Spacing													
	3'-0"		4'-0"		5'-0"		6'-0"		7'-0"		8'-0"		9'-0"	
	Allowable Span "L" / Point Load (P) or Uniform Load (U), bending (b), deflection (d)													
2" x 2" x 0.044"	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd	4'-10"	Pd
2" x 3" x 0.045"	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd	7'-6"	Pd
2" x 4" x 0.045"	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd	10'-8"	Pd
2" x 6" x 0.062"	22'-2"	Pd	22'-2"	Pd	22'-2"	Pd	21'-5"	Ud	20'-5"	Ud	19'-6"	Ud	18'-9"	Ud
2" x 7" x 0.062"	26'-8"	Pd	26'-8"	Pd	25'-9"	Ud	24'-3"	Ud	23'-0"	Ud	22'-0"	Ud	21'-2"	Ud

Note:

1. Thicknesses shown are "nominal" industry standard tolerances. No wall thickness shall be less than 0.040".
2. The structures designed using this section shall be limited to a maximum combined span and upright height of 50' and a maximum upright height of 16'. Structures larger than these limits shall have site specific engineering.
3. Span is measured from center of beam and upright connection to fascia or wall connection.
4. Above spans do not include length of knee brace. Add horizontal distance from upright to center of brace to beam connection to the above spans for total beam spans.
5. Tables are based on a maximum wall height of 16' including a 4' max. mansard or gable. Other conditions may offer better spans w/ enclosure site specific engineering.
6. Spans may be interpolated.
7. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii.

Example: Max. "L" for 2" x 4" x 0.050" hollow section with "W" = 5'-0" = 9'-1"

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SCREENED ENCLOSURES

SECTION 1

Table 1.3 120 Allowable Post / Upright Heights for Primary Screen Wall Frame Members
Aluminum Alloy 6063 T-6

For 3 second wind gust at a velocity of 120 MPH, Exposure "B" or an applied load of 15 #/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), deflection (d)							
2" x 2" x 0.044"	6'-11"	b	5'-11"	b	5'-3"	b	4'-9"	b
2" x 2" x 0.050"	7'-5"	d	6'-7"	b	5'-10"	b	4'-10"	b
2" x 2" x 0.090"	8'-7"	d	7'-9"	d	7'-4"	d	6'-8"	b
2" x 3" x 0.045"	7'-11"	d	7'-3"	d	7'-2"	d	6'-6"	d
2" x 4" x 0.050"	10'-5"	b	8'-11"	b	7'-11"	b	7'-2"	b
2" x 5" x 0.062"	16'-0"	b	13'-10"	b	12'-3"	b	11'-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), deflection (d)							
2" x 4" x 0.044 x 0.100"	11'-4"	d	10'-4"	d	9'-7"	d	8'-9"	b
2" x 5" x 0.050 x 0.100"	14'-0"	d	12'-9"	d	11'-10"	d	10'-10"	b
2" x 6" x 0.050 x 0.120"	16'-5"	d	14'-11"	d	13'-4"	b	12'-2"	b
2" x 7" x 0.055 x 0.120"	18'-9"	d	16'-3"	b	14'-6"	b	13'-2"	b
2" x 8" x 0.072 x 0.224"	23'-2"	d	21'-1"	d	19'-7"	d	18'-5"	d
2" x 9" x 0.072 x 0.224"	25'-5"	d	23'-1"	d	21'-6"	d	20'-2"	d
2" x 9" x 0.082 x 0.316"	27'-4"	d	24'-10"	d	23'-0"	d	21'-8"	d
2" x 10" x 0.092 x 0.369"	31'-9"	d	28'-10"	d	26'-9"	d	25'-2"	d

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), deflection (d)							
2" x 2" x 0.044"	6'-3"	d	5'-8"	d	5'-4"	d	4'-11"	d
2" x 3" x 0.045"	8'-6"	d	7'-8"	d	7'-2"	d	6'-6"	b
2" x 4" x 0.045"	10'-8"	d	9'-8"	d	8'-6"	b	7'-7"	b
2" x 6" x 0.062"	17'-5"	d	15'-10"	d	14'-8"	d	13'-10"	d
2" x 7" x 0.062"	19'-8"	d	17'-10"	d	16'-7"	d	15'-7"	d

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 vertical 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 30' 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 are designed to be 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. Max. beam size for 2" x 5" is 2" x 7" x 0.055" x 0.120"
8. Spans may be interpolated.
9. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii.

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SCREENED ENCLOSURES

SECTION 1

Table 1.4 120 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 a velocity of 120 MPH, Exposure "B" or an applied load of 15 # / sq. ft.

A. Sections As Horizontals Fastened To Posts With Clips

A. Sections As Horizontals Fastened To Posts With Clips														
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" or Span "L" / bending (b), deflection (d)													
2" x 2" x 0.044"	6'-11"	b	5'-11"	b	5'-3"	b	4'-9"	b	4'-4"	b	3'-11"	b	3'-8"	b
2" x 2" x 0.050"	7'-5"	d	6'-7"	b	5'-10"	b	5'-3"	b	4'-10"	b	4'-5"	b	4'-2"	b
2" x 2" x 0.090"	8'-7"	d	7'-9"	d	7'-4"	d	6'-8"	b	6'-1"	b	5'-8"	b	5'-4"	b
3" x 2" x 0.045"	7'-11"	d	6'-10"	b	6'-1"	b	5'-5"	b	4'-11"	b	4'-7"	b	4'-3"	b
3" x 2" x 0.070"	8'-11"	d	8'-1"	d	7'-3"	b	6'-6"	b	5'-11"	b	5'-7"	b	5'-2"	b
2" x 3" x 0.045"	7'-11"	d	7'-3"	d	7'-2"	d	6'-6"	d	5'-11"	b	5'-6"	b	5'-2"	b
2" x 4" x 0.050"	10'-5"	b	8'-11"	b	7'-11"	b	7'-2"	b	6'-7"	b	6'-1"	b	5'-8"	b
2" x 5" x 0.062"	16'-0"	b	13'-10"	b	12'-3"	b	11'-2"	b	10'-3"	b	9'-7"	b	8'-11"	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" or Span "L" / bending (b), deflection (d)													
2" x 2" x 0.044"	6'-3"	d	5'-8"	d	5'-4"	d	4'-11"	d	4'-6"	b	4'-2"	b	3'-10"	b

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

B. Sections As Horizontal Fastened To Posts Through Side Into Crew Access														
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" or Span "L" / bending (b), deflection (d)													
2" x 2" x 0.044"	7'-9"	b	6'-8"	b	5'-10"	b	5'-3"	b	4'-10"	b	4'-5"	b	4'-2"	b
3" x 2" x 0.045"	8'-11"	b	7'-8"	b	6'-9"	b	6'-1"	b	5'-7"	b	5'-2"	b	4'-9"	b
3" x 2" x 0.070"	10'-8"	b	9'-1"	b	8'-1"	b	7'-4"	b	6'-8"	b	6'-2"	b	5'-9"	b
2" x 3" x 0.045"	10'-7"	b	9'-1"	b	8'-1"	b	7'-3"	b	6'-8"	b	6'-2"	b	5'-9"	b
2" x 4" x 0.050"	11'-8"	b	10'-0"	b	8'-10"	b	8'-0"	b	7'-4"	b	6'-10"	b	6'-4"	b
2" x 5" x 0.062"	17'-11"	b	15'-5"	b	13'-9"	b	12'-6"	b	11'-6"	b	10'-8"	b	10'-0"	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" or Span "L" / bending (b), deflection (d)													
2" x 2" x 0.044"	8'-5"	d	7'-2"	b	6'-3"	b	5'-7"	b	5'-1"	b	4'-7"	b	4'-3"	b

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 girt lengths.
3. Site specific engineering required for pool enclosures over 30' in mean roof height.
4. Span/height 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 are designed to be 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" o.c.
6. Girt spacing shall not exceed 6'-8".
7. Max. beam size for 2" x 5" is 2" x 7" x 0.055" x 0.120"
8. 2" x 4" & 2" x 5" hollow girts shall be connected w/ an internal or external 1-1/2" x 1-1/2" x 0.044" angle.
9. Spans/heights may be interpolated.
10. To convert spans to "C" and "D" exposure categories see exposure multipliers and example on page 1-ii.

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SECTION 1

SCREENED ENCLOSURES

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

Beam/Upright or Post	Upright or Post/Beam	Minimum Purlin, Girt & Knee Brace Size	Notes	Minimum Number of Screws*			Beam Stitching Screw at 24" OC
				#8 x 1/2"	#10 x 1/2"	#12 x 1/2"	
2 x 4 SMB	2 x 3 SMB or H	2" x 2" x 0.044"	Partial Lap	8	6	4	#10
2 x 5 SMB	2 x 3 SMB or H	2" x 2" x 0.044"	Partial Lap	8	6	4	#8
2 x 6 SMB	2 x 3 SMB or H	2" x 2" x 0.044"	Partial Lap	10	8	6	#10
2 x 7 SMB	2 x 4 SMB or H	2" x 3" x 0.044"	Full Lap	14	12	10	#12
2 x 8 SMB	2 x 5 SMB or H	2" x 3" x 0.044"	Full Lap	16	14	12	#14
2 x 9 SMB	2 x 6 SMB	2" x 3" x 0.045"	Full Lap	18	16	14	#14**
2 x 9 SMB *	2 x 7 SMB	2" x 4" x 0.050"	Full Lap	20	18	16	#14**
2 x 10 SMB	2 x 8 SMB	2" x 5" x 0.050"	Full 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"	0.063"
#10	3/8"	3/4"	2" x 8" x 0.072" x 0.224"	0.125"
#12	1/2"	1"	2" x 9" x 0.072" x 0.224"	0.125"
#14 or 1/4"	3/4"	1-1/2"	2" x 9" x 0.082" x 0.306"	0.190"
5/16"	7/8"	1-3/4"	2" x 10" x 0.092" x 0.369"	0.250"
3/8"	1"	2"		

* 0.082" wall thickness, 0.310" flange thickness

** (1) Stitching screw at 16" O.C. max.

Connection Example:

2" x 7" beam & 2" x 5" at beam & gusset plate, (14) #8 x 1/2" sms & upright & gusset plate
(14) #8 x 1/2" sms ea. side of beam & upright.

Note:

1. Connection of 2" x 6" to 2" x 4" shall use a full lap cut or 1/16" gusset plate.
2. 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.
3. The number of screws is based on the maximum allowable moment of the beam.
4. 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.
5. Hollow splice connections can be made provided the connection is approved by the engineer.
6. 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.
7. The side wall upright shall have a minimum beam size as shown above, ie., a 2" x 4" upright shall have a 2" x 3" beam.
8. For minimum girt size read upright size as a beam and purlin size is minimum girt size. (I.e. 2" x 9" x 0.072" x 0.224" s.m.b. w/ 2" x 6" x 0.050 x 0.120" s.m.b. upright requires a 2" x 3" x 0.045" girt / chair rail.)

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BOUNDARY SURVEY IN SECTION 7, TOWNSHIP 4 SOUTH,
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

SCALE: 1" = 30'

- SYMBOL LEGEND**
- 4"x4" CONCRETE MONUMENT FOUND
 - 4"x4" CONCRETE MONUMENT SET
 - IRON PIPE FOUND
 - IRON PIN AND CAP SET
 - POWER POLE
 - WATER METER
 - CENTERLINE
 - WELL
 - SATELLITE DISH
 - TELEPHONE BOX
 - ELECTRIC LINES
 - WIRE FENCE
 - CHAIN LINK FENCE
 - WOODEN FENCE



DESCRIPTION
LOT 14 OF "COUNTRY LANDINGS" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE
90 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

- SURVEYOR'S NOTES:**
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
 2. THE ORIGINAL SURVEY WAS DATED 1988 AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOODED RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 075 B. HOWEVER, THE FLOODED INSURANCE RATE MAPS ARE SUBJECT TO CHANGE. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREIN.
 3. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREIN.
 4. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

BRITT SURVEYING

LAND SURVEYORS AND MAPPERS

830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

WORK ORDER # L-13769

REPRODUCIBLE CHANGE AND MEETS THE REQUIREMENTS OF FLORIDA STATUTES AND MEETS THE REQUIREMENTS OF THE PROFESSIONAL SURVEYING AND MAPPING ACT TO SECTION 400.01, FLORIDA STATUTES.

SCOTT BRITT, FLS
CERTIFICATION # 5707

DATE OF A FLORIDA LICENSED SURVEYOR AND MAPPING ENGINEER ONLY AND IS NOT VALID.

TITLE

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY PERSONAL SUPERVISION AND THAT I AM A LICENSED SURVEYOR AND MAPPING ENGINEER IN THE STATE OF FLORIDA.

DATE OF FIELD SURVEY 05/25/03

DATE OF THIS SURVEY 05/25/03

CERTIFIED TO:

FRANCIS M. ANDERSON
FIRST FEDERAL SAVINGS OF FLORIDA
TITLE SERVICES, LLC
OLD REPUBLIC ANNUAL TITLE INSURANCE COMPANY

FIELD BOOK, 256

PAGE(S) 38

