

DATE 05/12/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023136

APPLICANT BOB MCINTOSH PHONE 754-8678
ADDRESS 289 NW CORINTH DRIVE LAKE CITY FL 32055
OWNER ALAN SINGLETON PHONE 386 466-1332
ADDRESS 2801 SW CR 242 LAKE CITY FL 32024
CONTRACTOR MIKE DELAHOZ PHONE 754-8678
LOCATION OF PROPERTY 247S, TL ON 242, 1 1/2 MILES ON LEFT

TYPE DEVELOPMENT SCREEN ENCLOSURE ESTIMATED COST OF CONSTRUCTION 6500.00
HEATED FLOOR AREA TOTAL AREA HEIGHT .00 STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING RR MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE NA DEVELOPMENT PERMIT NO.

PARCEL ID 22-4S-16-03091-001 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 6.38

SCC056689
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X05-0224 BK N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE

Check # or Cash 2348

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 35.00 CERTIFICATION FEE \$.00 SURCHARGE FEE \$.00
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ TOTAL FEE 85.00

INSPECTORS OFFICE

CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR 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

Revised 9-23-0

For Office Use Only Application # 0504-99 Date Received 4/29/05 By G Permit # 23136
Application Approved by - Zoning Official BLK Date 12.05.05 Plans Examiner OK JTH Date 5-2-05
Flood Zone Xp Summer Development Permit N/A Zoning RR Land Use Plan Map Category RES. U.I. Dev
Comments _____
CK# 4348 2348

Applicants Name Robert McIntosh Phone 386-754-8678
Address 289 NW Corinth Dr Lake City FL 32055
Owners Name Alan E + Patty A Singleton Phone 386-466-1932
911 Address 2801 SW CR 242 Lake City FL 32024
Contractors Name Mike DelaHoz Phone 386-754-8678
Address 289 NW Corinth Dr Lake City FL 32055
Fee Simple Owner Name & Address N/A
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Gordon Sheppardson 1025 S. Semoran Blvd Winter Park
Mortgage Lenders Name & Address N/A
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 22-45-16-03091-001 N/A Estimated Cost of Construction 6500⁰⁰
Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
Driving Directions Hwy 242 South to 242 turn left. 1/2 on left paved driveway on left
Type of Construction Screen Pool Enclosure Number of Existing Dwellings on Property 2
Total Acreage 6.38⁺ Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv
Actual Distance of Structure from Property Lines - Front 650' Side 145' Side 150' Rear 275'
Total Building Height 8' Number of Stories 1 Heated Floor Area N/A 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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Robert McIntosh
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 _____

Florida Pool Enclosures, Inc
Contractor Signature
Contractors License Number SLC056689
Competency Card Number _____
NOTARY STAMP/SEAL

Notary Signature

NOTICE OF COMMENCEMENT
§ 713.13

RANGE FROM 400

Return to: (attach self-addressed stamped envelope)

Name: Advantage Pools

Address: 757 S.W. SR. 247 Suite 101 Lake City FL 32025

This instrument Prepared by:

Name: Advantage Pools

Address: 757 S.W. SR. 247 Suite 101 Lake City FL 32025

Property Appraiser Parcel Identification

Inst:2005006960 Date:03/28/2005 Time:08:56

MK DC, P. Delwitt Cason, Columbia County B:1041 P:1619

386-758-7522

SPACE ABOVE THIS LINE FOR PROCEEDING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

NOTICE OF COMMENCEMENT

Permit No. _____

Tax Folio No. _____

State of Florida

County of Columbia

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance with chapter 713 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

Legal description of property (include Street Address, if available) 22-45-16-03091-001 HX
2801 SW CTR 242 LAKE CITY 32024General description of improvements Swimming PoolsOwner's Name ALAN SINGLETONAddress 2801 SW CTR 242 LAKE CITY 32024Owner's interest in site of the improvement Swimming Pool & Screen

Fee Simple Title holder (if other than owner) _____

Address _____

Phone: _____

Fax: _____

Contractor Advantage PoolsAddress 757 S.W. SR. 247 Suite 101 Lake City FL 32025Phone: 386-758-7522Fax: 386-758-6932

Surety _____

Phone: _____

Fax: _____

Address _____

Amount of bond \$ _____

Lender's Name _____

Address _____

Phone: _____

Fax: _____

Notarize within the State of Florida as required by statute upon which notice of other documents may be served as provided by Section 713.13(1)(a), Florida Statutes.

Name _____

Address _____

Phone: _____

Fax: _____

In addition to himself, owner designates Michael Lussieror Advantage PoolsPhone: 258-7522Fax: 758-6932

to receive a copy of the Lender's Notice as provided in Section 713.13(1)(b), Florida Statutes.

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

Alan E. Singleton

Signature of Owner

Alan E. Singleton

Printed Name of Owner

I have relied upon the following identification of the Affiant Picture IDSigned and subscribed before me this 24th day of 3, 2005Carmon JonesCarmon Jones

Notary Public

Carmon Jones
MY COMMISSION EXPIRES
June 14, 2007
NOTARY PUBLIC, STATE OF FLORIDA

$$27^{\circ} 0' \times 45' 0''$$

6 ft.

69

6 π.

16-01-01

6 ft

26 3/4 x 8 5/8

18 in. 6 in.

~~Caution Low Power Line~~

Job Specifications
Pool Area 0
Pool Perimeter 0
Shallow Depth 0
Deep Depth 0
Spa Area 0
Spa Perimeter 0
Face Tile 0
Coping 0
Deck Area 0
Deck Perimeter 0
Patio Area 0
Patio Perimeter 0
Pool to Equip 0
Spa to Equip 0

Advantage Pools
757 SW SR 247 Suite 101
Lake City FL 32025

Phone: 386-758-7522
Fax: 386-758-6932

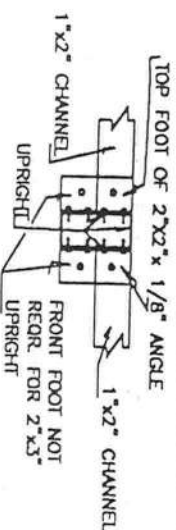
**Designed by:
Ray Lussier**

Accepted by: Singleton

SECTION 1.2.3

DETAILS

SCREEN ENCLOSURES



PLAN VIEW
(N.T.S.)

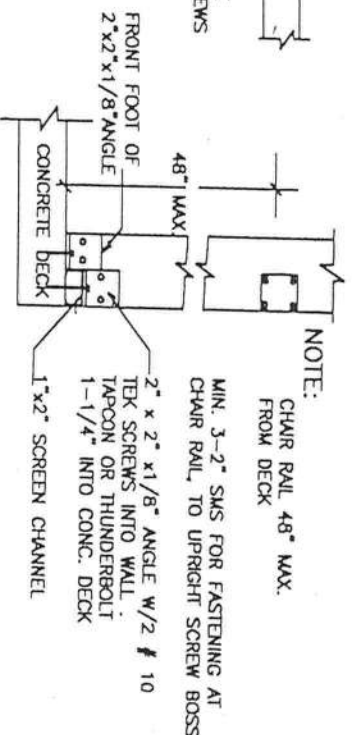
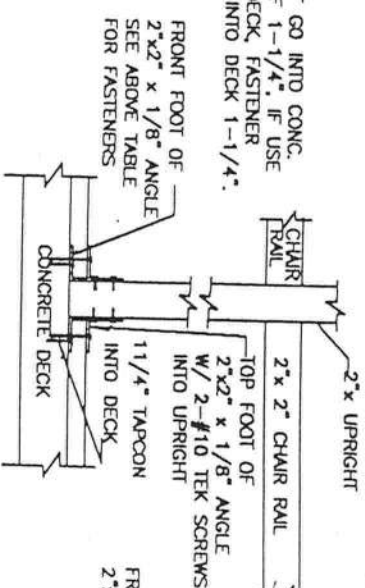
NOTE:
USED WITH ALL
SCREEN TYPES

FRONT FOOT TABLE									
UPRIGHT SIZES	x4	x5	x6	x7	x8	x9	x10		
1/4" TAPCON EACH SIDE	1	2	2	3	3	4	4		
#10 TEK SCREWS EACH SIDE	2	4	4	6	6	8	8		
CHECK ONE									

SELECT LOADBearing UPRIGHT SIZES

NOTE:

TAPCON MUST GO INTO CONC.
A MINIMUM OF 1-1/4". IF USE
PAPERS ON DECK, FASTENER
WILL EXTEND INTO DECK 1-1/4".

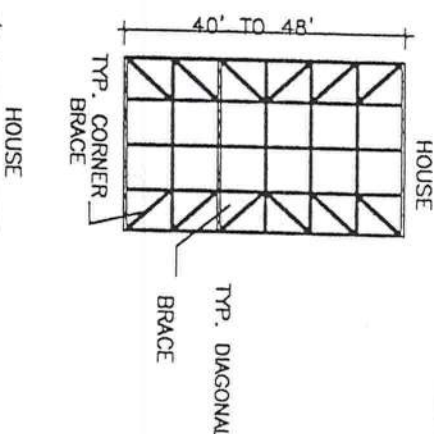
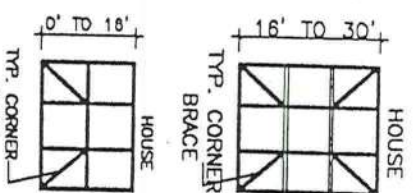


FRONT ELEVATION

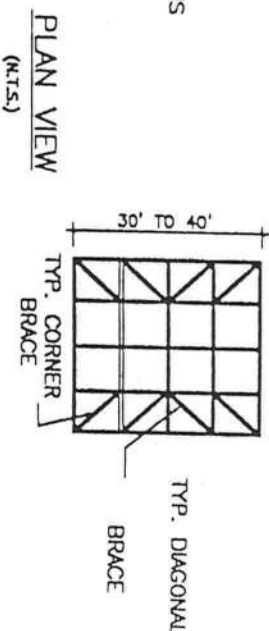
SIDE ELEVATION

TYPICAL DECK PLATE & POST CONNECTION

APPLIES



NOTE:
WIND BRACING SHALL NOT BE
REQUIRED WHERE BEAMS AND PURLINS
ARE Laterally SUPPORTED BY
CONNECTION TO HOST STRUCTURE.



WIND BRACING DETAIL

APPLIES

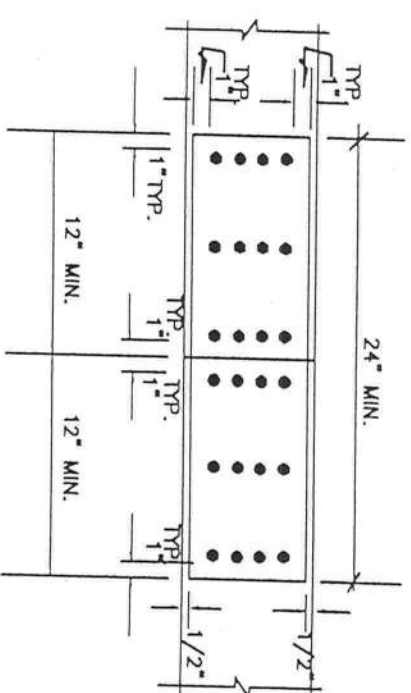
SECTION 1.2.4

DETAILS

SCREEN ENCLOSURES

SPLICE PLATE SHALL BE MIN. 24 INCHES LONG,
1 INCH LESS HEIGHT THAN THE BEAM THE SAME
THICKNESS AS THE SPLICE BEAM, AND LOCATED NO
GREATER THAN 1/3 THE BEAM LENGTH FROM THE END
AND LOCATED ON OPPOSITE ENDS OF THE MATED BEAM

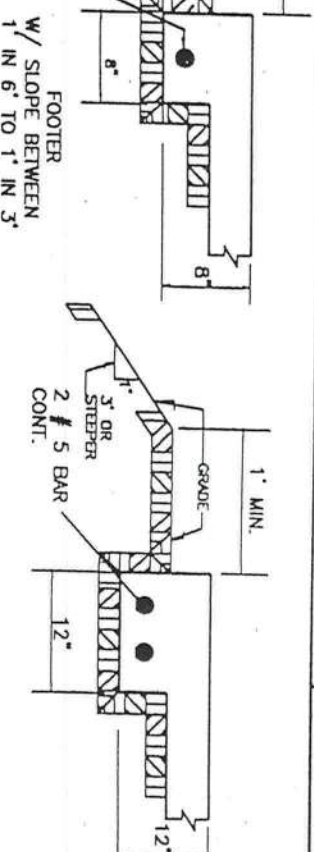
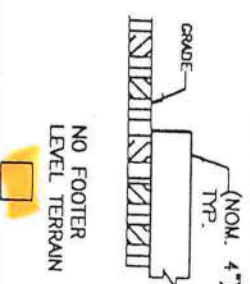
MINIMUM 12-# 10 TEK SCREWS ON EACH SIDE OF
THE CUT EVENLY SPACED WITH 1 INCH CLEARANCE
AT THE CUT AND ALL SIDES OF THE INTERNAL SPLICE
PLATE



SPLICE FOR BEAM SHALL BE ON
OPPOSITE ENDS OF THE MATED BEAM.

BEAM SPLICE

APPLIES



WHERE THERE IS NO DECK USED 8"x8" CONCRETE RIBBON
FOOTER W/ 1#5 REBAR CONTINUOUS TO SUPPORT UP TO
2" x 6" UPRIGHT

FOOTER WHEN SLOPE
1" IN 3" OR STEEPER
OR WHEN DECK EXTENDS
33" OR MORE PERPENDICULAR
TO THE SUPPORTING STRUCTURE.

1) FOOTER SHALL BEAR ON ROCK, CLEAN SAND, OR STRUCTURALLY
SOUND SOIL (>1500 PSI) THAT SHALL BE COMPACTED TO PROVIDE OPTIMUM
BEARING CAPACITY TO PREVENT SETTLING.
2) CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 2,500 PSI W/ FIBER MESH
OR 6x6-10x10 W W MESH.
3) 3 - #3 BARS IS EQUIVALENT TO 1 #5 BARS.

TYPICAL SCREEN DECK FOOTER DETAIL

APPLIES

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FILLINE INC.
1025 S. SEMORAN BLVD., SUITE 1093
WINTER PARK FL 32792
TEL (407) 678-7500
FAX (407) 679-8188
E-MAIL

GORDON H SHEPARDSON P.E.
FLORIDA P.E. 10033

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JUN 1 0 2004

GORDON H SHEPARDSON P.E.
FLORIDA P.E. 10033

FLIUNE INC.

A civil engineering firm

1025 South Semoran Boulevard

Suite 1093

Winter Park FL 32792

(407) 679-7500

Fax (407) 679-9188

SECTION		SPAN		SCREEN ENCLOSURES		DOME-FLAT	
1.3.1.100 B		TABLES				6063-T6 100 M.P.H.	

ALUMINUM ALLOY : 6063-T6				WIND ZONE : 100 MPH									
MAX. SPANS FOR ROOF BEAMS FOR SCREEN & POOL ENCLOSURES . EXPOSURE B ALL WIND SPEEDS PRESSURE 10 PSF MEAN ROOF HEIGHT = 20 FT OR LESS				MAX. SPANS FOR WALL UPRIGHTS FOR SCREEN & POOL ENCLOSURES EXPOSURE B MEAN ROOF HEIGHT = 20 FT OR LESS									
ROOF STYLE : DOME - FLAT				WALL UPRIGHTS									
ROOF SPACING				UPRIGHT SPACING									
SPANS				SPANS									
2 X 4 - 0 KNEES	16'3	15'1	14'2	13'6	12'10	12'4	2 X 4 - 0 KNEES	16'3	15'1	14'2	13'6	12'10	12'4
2 X 4 - 1 KNEE	20'3	19'1	18'2	17'6	16'10	16'4	2 X 4 - 1 KNEE	20'3	19'1	18'2	17'6	16'10	16'4
2 X 4 - 2 KNEES	24'3	23'1	22'2	21'6	20'10	20'4							
2 X 5 - 0 KNEES	20'2	18'8	17'7	16'9	16'0	15'4	2 X 5 - 0 KNEES	20'2	18'8	17'7	16'9	16'0	15'4
2 X 5 - 1 KNEE	24'2	22'3	21'7	20'9	20'0	19'4	2 X 5 - 1 KNEE	24'2	22'3	21'7	20'9	20'0	19'4
2 X 5 - 2 KNEES	28'2	26'3	25'7	24'9	24'0	23'4							
2 X 6 - 0 KNEES	23'7	21'10	20'7	19'7	18'9	18'0	2 X 6 - 0 KNEES	23'7	21'10	20'7	19'7	18'9	18'0
2 X 6 - 1 KNEE	27'7	25'10	24'7	23'7	22'9	22'0	2 X 6 - 1 KNEE	27'7	25'10	24'7	23'7	22'9	22'0
2 X 6 - 2 KNEES	31'7	29'10	28'7	27'7	26'9	26'0							
2 X 7 - 0 KNEES	28'11	26'11	25'4	24'0	23'0	22'1	2 X 7 - 0 KNEES	28'11	26'11	25'4	24'0	23'0	22'1
2 X 7 - 1 KNEE	32'11	30'11	29'4	28'0	27'0	26'1	2 X 7 - 1 KNEE	32'11	30'11	29'4	28'0	27'0	26'1
2 X 7 - 2 KNEES	36'11	34'11	33'4	32'0	31'0	30'1							
2 X 8 - 0 KNEES	33'4	30'11	29'1	27'8	26'5	25'5	2 X 8 - 0 KNEES	33'4	30'11	29'1	27'8	26'5	25'5
2 X 8 - 1 KNEE	37'4	34'11	33'1	31'8	30'5	29'5	2 X 8 - 1 KNEE	37'4	34'11	33'1	31'8	30'5	29'5
2 X 8 - 2 KNEES	41'4	38'11	37'1	35'8	34'5	33'5							
2 X 9 - 0 KNEES	39'0	36'2	34'0	32'4	30'11	29'9	2 X 9 - 0 KNEES	39'0	36'2	34'0	32'4	30'11	29'9
2 X 9 - 1 KNEE	43'0	40'2	38'0	36'4	34'11	33'9	2 X 9 - 1 KNEE	43'0	40'2	38'0	36'4	34'11	33'9
2 X 9 - 2 KNEES	47'0	44'2	42'0	40'4	38'11	37'9							
2 X 10 - 0 KNEES	45'7	42'4	39'10	37'10	36'3	34'10	2 X 10 - 0 KNEES	45'7	42'4	39'10	37'10	36'3	34'10
2 X 10 - 1 KNEE	49'7	46'4	43'10	41'10	40'3	38'10	2 X 10 - 1 KNEE	49'7	46'4	43'10	41'10	40'3	38'10
2 X 10 - 2 KNEES	53'7	50'4	47'10	45'10	44'3	42'10							
Interpolation between spans is permitted.				Interpolation between spans is permitted.									

NOTE 1: Roof spans are figured for knee braces of 4ft on the horizontal. The difference in the knee brace length of less than 4ft on the horizontal must be deducted from the span.

NOTE 2: Wall spans are figured for knee braces of 4ft on the vertical. The difference in the knee brace length of less than 4ft on the vertical must be deducted from the span.

APPLIES

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FLIUNE INC.
1025 S. SEMORAN BLVD., SUITE 1093
WINTER PARK FL. 32792
TEL. (407) 679-7500
FAX (407) 679-9188
E-MAIL

JUN 10 2004
GORDON H. SHEPARDSON P.E.
FLORIDA P.E. 16333

SECTION	SPAN	SCREEN ENCLOSURES	DOME-FLAT
1.3.1.110 B	TABLES		6063-T6 110 M.P.H.

ALUMINUM ALLOY : 6063-T6										WIND ZONE : 110 MPH									
MAX. SPANS FOR ROOF BEAMS										MAX. SPANS FOR WALL UPRIGHTS									
FOR SCREEN & POOL ENCLOSURES, EXPOSURE B										FOR SCREEN & POOL ENCLOSURES									
ALL WIND SPEEDS PRESSURE 10 PSF										EXPOSURE B									
MEAN ROOF HEIGHT = 20 FT OR LESS										MEAN ROOF HEIGHT = 20 FT OR LESS									
ROOF STYLE : DOME - FLAT										WALL UPRIGHTS									
ROOF SPACING										UPRIGHT SPACING									
4 5 6 7 8 9										4 5 6 7 8 9									
SPANS										SPANS									
2 X 4 - 0 KNEES					2 X 4 - 0 KNEES					2 X 4 - 0 KNEES					2 X 4 - 0 KNEES				
2 X 4 - 1 KNEE					2 X 4 - 1 KNEE					2 X 4 - 1 KNEE					2 X 4 - 1 KNEE				
2 X 4 - 2 KNEES					2 X 4 - 2 KNEES					2 X 4 - 2 KNEES					2 X 4 - 2 KNEES				
2 X 5 - 0 KNEES					2 X 5 - 0 KNEES					2 X 5 - 0 KNEES					2 X 5 - 0 KNEES				
2 X 5 - 1 KNEE					2 X 5 - 1 KNEE					2 X 5 - 1 KNEE					2 X 5 - 1 KNEE				
2 X 5 - 2 KNEES					2 X 5 - 2 KNEES					2 X 5 - 2 KNEES					2 X 5 - 2 KNEES				
2 X 6 - 0 KNEES					2 X 6 - 0 KNEES					2 X 6 - 0 KNEES					2 X 6 - 0 KNEES				
2 X 6 - 1 KNEE					2 X 6 - 1 KNEE					2 X 6 - 1 KNEE					2 X 6 - 1 KNEE				
2 X 6 - 2 KNEES					2 X 6 - 2 KNEES					2 X 6 - 2 KNEES					2 X 6 - 2 KNEES				
2 X 7 - 0 KNEES					2 X 7 - 0 KNEES					2 X 7 - 0 KNEES					2 X 7 - 0 KNEES				
2 X 7 - 1 KNEE					2 X 7 - 1 KNEE					2 X 7 - 1 KNEE					2 X 7 - 1 KNEE				
2 X 7 - 2 KNEES					2 X 7 - 2 KNEES					2 X 7 - 2 KNEES					2 X 7 - 2 KNEES				
2 X 8 - 0 KNEES					2 X 8 - 0 KNEES					2 X 8 - 0 KNEES					2 X 8 - 0 KNEES				
2 X 8 - 1 KNEE					2 X 8 - 1 KNEE					2 X 8 - 1 KNEE					2 X 8 - 1 KNEE				
2 X 8 - 2 KNEES					2 X 8 - 2 KNEES					2 X 8 - 2 KNEES					2 X 8 - 2 KNEES				
2 X 9 - 0 KNEES					2 X 9 - 0 KNEES					2 X 9 - 0 KNEES					2 X 9 - 0 KNEES				
2 X 9 - 1 KNEE					2 X 9 - 1 KNEE					2 X 9 - 1 KNEE					2 X 9 - 1 KNEE				
2 X 9 - 2 KNEES					2 X 9 - 2 KNEES					2 X 9 - 2 KNEES					2 X 9 - 2 KNEES				
2 X 10 - 0 KNEES					2 X 10 - 0 KNEES					2 X 10 - 0 KNEES					2 X 10 - 0 KNEES				
2 X 10 - 1 KNEE					2 X 10 - 1 KNEE					2 X 10 - 1 KNEE					2 X 10 - 1 KNEE				
2 X 10 - 2 KNEES					2 X 10 - 2 KNEES					2 X 10 - 2 KNEES					2 X 10 - 2 KNEES				
Interpolation between spans is permitted.										Interpolation between spans is permitted.									

NOTE 1: Roof spans are figured for knee braces of 4ft on the horizontal. The difference in the knee brace length of less than 4ft on the horizontal must be deducted from the span.

NOTE 2: Wall spans are figured for knee braces of 4ft on the vertical. The difference in the knee brace length of less than 4ft on the vertical must be deducted from the span.

APPLIES

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SECTION	SPAN	SCREEN ENCLOSURES	DOME-FLAT
1.3.1.120 B	TABLES		6063-T6 120 M.P.H.

ALUMINUM ALLOY : 6063-T6										WIND ZONE : 120 MPH																																																											
MAX. SPANS FOR ROOF BEAMS										MAX. SPANS FOR WALL UPRIGHTS																																																											
FOR SCREEN & POOL ENCLOSURES , EXPOSURE B										FOR SCREEN & POOL ENCLOSURES																																																											
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ROOF STYLE : DOME - FLAT										WALL UPRIGHTS																																																											
ROOF SPACING										UPRIGHT SPACING																																																											
4					5					6					7					8					9																																												
SPANS										SPANS																																																											
2 X 4 - 0 KNEES					16'3					15'1					14'2					13'6					12'10					12'4					2 X 4 - 0 KNEES					14'4					13'4					12'7					11'11					11'5					11'0				
2 X 4 - 1 KNEE					20'3					19'1					18'2					17'6					16'10					16'4					2 X 4 - 1 KNEE					18'4					17'4					16'7					15'11					15'5					15'0				
2 X 4 - 2 KNEES					24'3					23'1					22'2					21'6					20'10					20'4																																							
2 X 5 - 0 KNEES					20'2					18'8					17'7					16'9					16'0					15'4					2 X 5 - 0 KNEES					17'8					16'4					15'5					14'8					14'0					13'6				
2 X 5 - 1 KNEE					24'2					22'3					21'7					20'9					20'0					19'4					2 X 5 - 1 KNEE					21'8					20'4					19'5					18'8					18'0					17'6				
2 X 5 - 2 KNEES					28'2					26'3					25'7					24'9					24'0					23'4																																							
2 X 6 - 0 KNEES					23'7					21'10					20'7					19'7					18'9					18'0					2 X 6 - 0 KNEES					20'11					19'5					18'3					17'4					16'7					16'0				
2 X 6 - 1 KNEE					27'7					25'10					24'7					23'7					22'9					22'0					2 X 6 - 1 KNEE					24'11					2'35					22'3					21'4					20'7					20'0				
2 X 6 - 2 KNEES					31'7					29'10					28'7					27'7					26'9					26'0																																							
2 X 7 - 0 KNEES					28'11					26'11					25'4					24'0					23'0					22'1					2 X 7 - 0 KNEES					25'11					24'0					22'7					21'6					20'7					19'9				
2 X 7 - 1 KNEE					32'11					30'11					29'4					28'0					27'0					26'1					2 X 7 - 1 KNEE					29'11					28'0					26'7					25'6					24'7					23'9				
2 X 7 - 2 KNEES					36'11					34'11					33'4					32'0					31'0					30'1																																							
2 X 8 - 0 KNEES					33'4					30'11					29'1					27'8					26'5					25'5					2 X 8 - 0 KNEES					29'7					27'6					25'10					24'7					23'6					22'7				
2 X 8 - 1 KNEE					37'4					34'11					33'1					31'8					30'5					29'5					2 X 8 - 1 KNEE					33'7					31'6					29'10					28'7					27'6					26'7				
2 X 8 - 2 KNEES					41'4					38'11					37'1					35'8					34'5					33'5																																							
2 X 9 - 0 KNEES					39'0					36'2					34'0					32'4					30'11					29'9					2 X 9 - 0 KNEES					34'10					32'4					30'5					28'11					27'8					26'7				
2 X 9 - 1 KNEE					43'0					40'2					38'0					36'4					34'11					33'9					2 X 9 - 1 KNEE					38'10					36'4					34'5					32'11					31'8					30'7				
2 X 9 - 2 KNEES					47'0					44'2					42'0					40'4					38'11					37'9																																							
2 X 10 - 0 KNEES					45'7					42'4					39'10					37'10					36'3					34'10					2 X 10 - 0 KNEES					40'9					37'10					35'7					33'10					32'4					31'1				
2 X 10 - 1 KNEE					49'7					46'4					43'10					41'10					40'3					38'10					2 X 10 - 1 KNEE					44'9					41'10					39'7					37'10					36'4					35'1				
2 X 10 - 2 KNEES					53'7					50'4					47'10					45'10					44'3					42'10																																							
Interpolation between spans is permitted.																				Interpolation between spans is permitted.																																																	

SECTION	SPAN	SCREEN ENCLOSURES	MANSARD-SPLICE GABLE
1.3.2.110 B	TABLES	6063-T6 110 M.P.H.	

ALUMINUM ALLOY : 6063-T6										WIND ZONE : 110 MPH									
MAX. SPANS FOR ROOF BEAMS										MAX. SPANS FOR WALL UPRIGHTS									
FOR SCREEN & POOL ENCLOSURES, EXPOSURE B										FOR SCREEN & POOL ENCLOSURES									
ALL WIND SPEEDS PRESSURE 10 PSF										EXPOSURE B									
MEAN ROOF HEIGHT = 20 FT OR LESS										MEAN ROOF HEIGHT = 20 FT OR LESS									
ROOF STYLE : MANSARD - SPLICE GABLE										WALL UPRIGHTS									
ROOF SPACING										UPRIGHT SPACING									
4 5 6 7 8 9										4 5 6 7 8 9									
SPANS										SPANS									
2 X 4 - CLEAR SPAN										2 X 4 - CLEAR SPAN									
163 151 142 136 1210 124										154 143 135 129 122 119									
2 X 4 - 1 SPLICE																			
1710 167 157 1410 141 137																			
2 X 4 - 2 SPLICES																			
224 181 170 162 154 1410																			
2 X 5 - CLEAR SPAN																			
202 188 177 169 160 154										196 181 170 162 156 1411									
2 X 5 - 1 SPLICE																			
222 206 194 185 177 1610																			
2 X 5 - 2 SPLICES																			
242 224 211 201 192 185																			
2 X 6 - CLEAR SPAN																			
237 2110 207 197 189 180										2210 212 196 190 182 175									
2 X 6 - 1 SPLICE																			
2511 240 227 216 207 199																			
2 X 6 - 2 SPLICES																			
283 262 248 236 226 217																			
2 X 7 - CLEAR SPAN																			
2811 2611 254 240 230 221										280 260 246 233 223 215									
2 X 7 - 1 SPLICE																			
3110 297 2710 264 253 243																			
2 X 7 - 2 SPLICES																			
348 323 304 289 277 266																			
2 X 8 - CLEAR SPAN																			
334 3011 291 278 265 255										323 300 282 269 257 247									
2 X 8 - 1 SPLICE																			
368 340 320 305 290 280																			
2 X 8 - 2 SPLICES																			
400 371 3410 332 318 306																			
2 X 9 - CLEAR SPAN																			
390 362 340 324 3011 299										379 350 330 314 300 2810									
2 X 9 - 1 SPLICE																			
4210 399 374 356 340 328																			
2 X 9 - 2 SPLICES																			
469 434 409 3810 371 358																			
2 X 10 - CLEAR SPAN																			
457 424 3910 3710 363 3410										442 410 387 368 351 338									
2 X 10 - 1 SPLICE																			
501 466 439 418 3910 384																			
2 X 10 - 2 SPLICES																			
548 509 479 454 436 419																			
Interpolation between spans is permitted.										Interpolation between spans is permitted.									

NOTE 1: Roof spans are figured for knee braces of 4ft on the horizontal. The difference in the knee brace length of less than 4ft on the horizontal must be deducted from the span.

NOTE 2: Wall spans are figured for knee braces of 4ft on the vertical. The difference in the knee brace length of less than 4ft on the vertical must be deducted from the span.

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SECTION	SPAN	SCREEN ENCLOSURES	MANSARD-SPLICE GABLE
1.3.2.120 B	TABLES	6063-T6 120 M.P.H.	

ALUMINUM ALLOY : 6063-T6										WIND ZONE : 120 MPH									
MAX. SPANS FOR ROOF BEAMS										MAX. SPANS FOR WALL UPRIGHTS									
FOR SCREEN & POOL ENCLOSURES, EXPOSURE B										FOR SCREEN & POOL ENCLOSURES									
ALL WIND SPEEDS PRESSURE 10 PSF										EXPOSURE B									
MEAN ROOF HEIGHT = 20 FT OR LESS										MEAN ROOF HEIGHT = 20 FT OR LESS									
ROOF STYLE : MANSARD - SPLICE GABLE										WALL UPRIGHTS									
ROOF SPACING										UPRIGHT SPACING									
4 5 6 7 8 9										4 5 6 7 8 9									
SPANS										SPANS									
2 X 4 - CLEAR SPAN										2 X 4 - CLEAR SPAN									
2 X 4 - 1 SPLICE										14'4 13'4 12'7 11'11 11'5 11'0									
2 X 4 - 2 SPLICES																			
2 X 5 - CLEAR SPAN										2 X 5 - CLEAR SPAN									
2 X 5 - 1 SPLICE										17'8 16'4 15'5 14'8 14'0 13'6									
2 X 5 - 2 SPLICES																			
2 X 6 - CLEAR SPAN										2 X 6 - CLEAR SPAN									
2 X 6 - 1 SPLICE										20'11 19'5 18'3 17'4 16'7 16'0									
2 X 6 - 2 SPLICES																			
2 X 7 - CLEAR SPAN										2 X 7 - CLEAR SPAN									
2 X 7 - 1 SPLICE										25'11 24'0 22'7 21'6 20'7 19'9									
2 X 7 - 2 SPLICES																			
2 X 8 - CLEAR SPAN										2 X 8 - CLEAR SPAN									
2 X 8 - 1 SPLICE										29'7 27'6 25'10 24'7 23'6 22'7									
2 X 8 - 2 SPLICES																			
2 X 9 - CLEAR SPAN										2 X 9 - CLEAR SPAN									
2 X 9 - 1 SPLICE										34'10 32'4 30'5 28'11 27'8 26'7									
2 X 9 - 2 SPLICES																			
2 X 10 - CLEAR SPAN										2 X 10 - CLEAR SPAN									
2 X 10 - 1 SPLICE										40'9 37'10 35'7 33'10 32'4 31'1									
2 X 10 - 2 SPLICES																			
Interpolation between spans is permitted.																			

NOTE 1: Roof spans are figured for knee braces of 4ft on the horizontal. The difference in the knee brace length of less than 4ft on the horizontal must be deducted from the span.

NOTE 2: Wall spans are figured for knee braces of 4ft on the vertical. The difference in the knee brace length of less than 4ft on the vertical must be deducted from the span.

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SECTION	SPAN	SCREEN ENCLOSURES	MANSARD-SPLICE GABLE
1.3.2.100 B	TABLES		6063-T6 100 M.P.H.

ALUMINUM ALLOY : 6063-T6				WIND ZONE : 100 MPH																							
MAX. SPANS FOR ROOF BEAMS								MAX. SPANS FOR WALL UPRIGHTS																			
FOR SCREEN & POOL ENCLOSURES, EXPOSURE B								FOR SCREEN & POOL ENCLOSURES																			
ALL WIND SPEEDS PRESSURE 10 PSF								EXPOSURE B																			
MEAN ROOF HEIGHT = 20 FT OR LESS								MEAN ROOF HEIGHT = 20 FT OR LESS																			
ROOF STYLE : MANSARD - SPLICE GABLE								WALL UPRIGHTS																			
				ROOF SPACING								UPRIGHT SPACING															
SPANS				4				5				6				7				8				9			
2 X 4 - CLEAR SPAN				16'3				15'1				14'2				13'6				12'10				12'4			
2 X 4 - 1 SPLICE				17'10				16'7				15'7				14'10				14'1				13'7			
2 X 4 - 2 SPLICES				22'4				18'1				17'0				16'2				15'4				14'10			
2 X 5 - CLEAR SPAN				20'2				18'8				17'7				16'9				16'0				15'4			
2 X 5 - 1 SPLICE				22'2				20'6				19'4				18'5				17'7				16'10			
2 X 5 - 2 SPLICES				24'2				22'4				21'1				20'1				19'2				18'5			
2 X 6 - CLEAR SPAN				23'7				21'10				20'7				19'7				18'9				18'0			
2 X 6 - 1 SPLICE				25'11				24'0				22'7				21'6				20'7				19'9			
2 X 6 - 2 SPLICES				28'3				26'2				24'8				23'6				22'6				21'7			
2 X 7 - CLEAR SPAN				28'11				26'11				25'4				24'0				23'0				22'1			
2 X 7 - 1 SPLICE				31'10				29'7				27'10				26'4				25'3				24'3			
2 X 7 - 2 SPLICES				34'8				32'3				30'4				28'9				27'7				26'6			
2 X 8 - CLEAR SPAN				33'4				30'11				29'1				27'8				26'5				25'5			
2 X 8 - 1 SPLICE				36'8				34'0				32'0				30'5				29'0				28'0			
2 X 8 - 2 SPLICES				40'0				37'1				34'10				33'2				31'8				30'6			
2 X 9 - CLEAR SPAN				39'0				36'2				34'0				32'4				30'11				29'9			
2 X 9 - 1 SPLICE				42'10				39'9				37'4				35'6				34'0				32'8			
2 X 9 - 2 SPLICES				46'9				43'4				40'9				38'10				37'1				35'8			
2 X 10 - CLEAR SPAN				45'7				42'4				39'10				37'10				36'3				34'10			
2 X 10 - 1 SPLICE				50'1				46'6				43'9				41'8				39'10				38'4			
2 X 10 - 2 SPLICES				54'8				50'9				47'9				45'4				43'6				41'9			

NOTE 1: Roof spans are figured for knee braces of 4ft on the horizontal. The difference in the knee brace length of less than 4ft on the horizontal must be deducted from the span.
NOTE 2: Wall spans are figured for knee braces of 4ft on the vertical. The difference in the knee brace length of less than 4ft on the vertical must be deducted from the span.

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