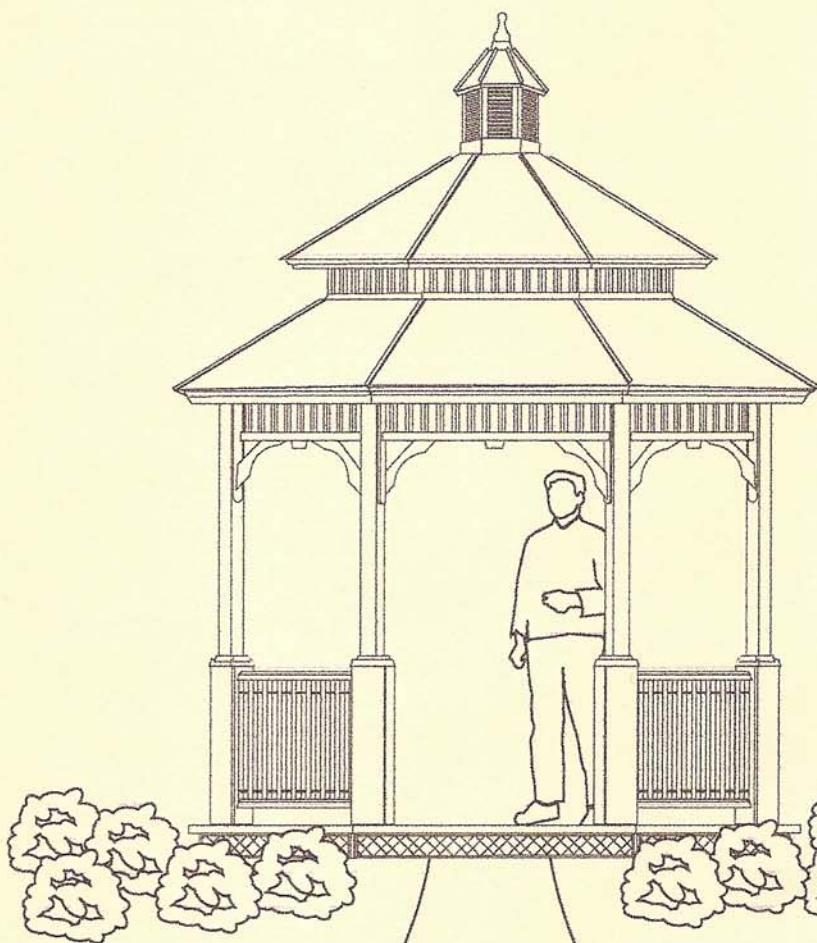




Vixen Hill
Manufacturing Company

GAZEBO STRUCTURAL SYSTEM

Model VK-12B



Steve Boname
8/2/99

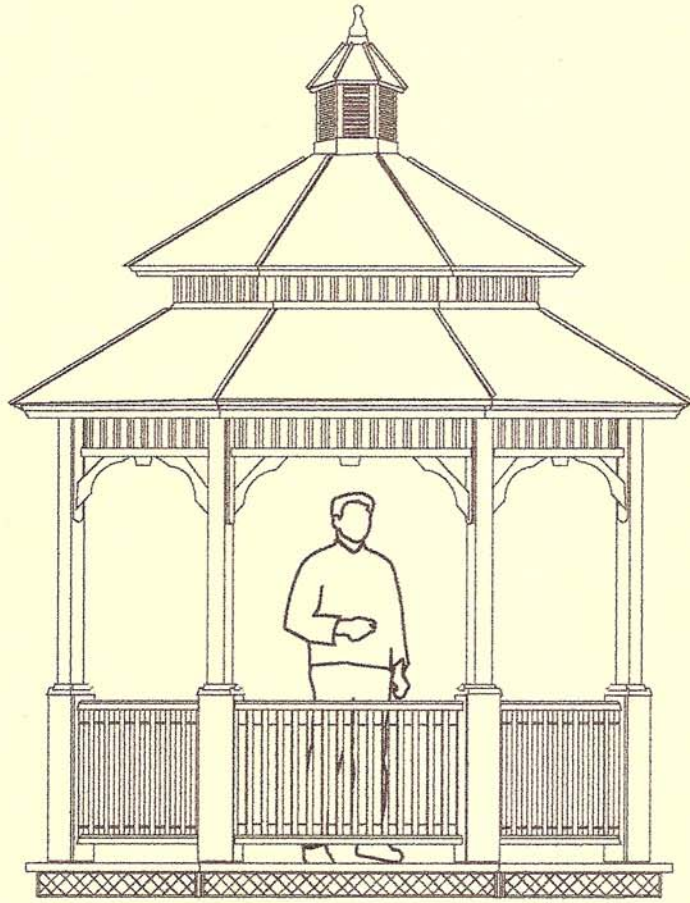
FOR La Quinta
in Florida
ONLY

PROJECT GAZEBO STRUCTURAL SYSTEM
AND FASTENER DETAIL
MODEL VK-12

SHEET TITLE COVER VK-12
DRAWN BY RH 6/12/1999
CHECKED _____ DWG NO _____

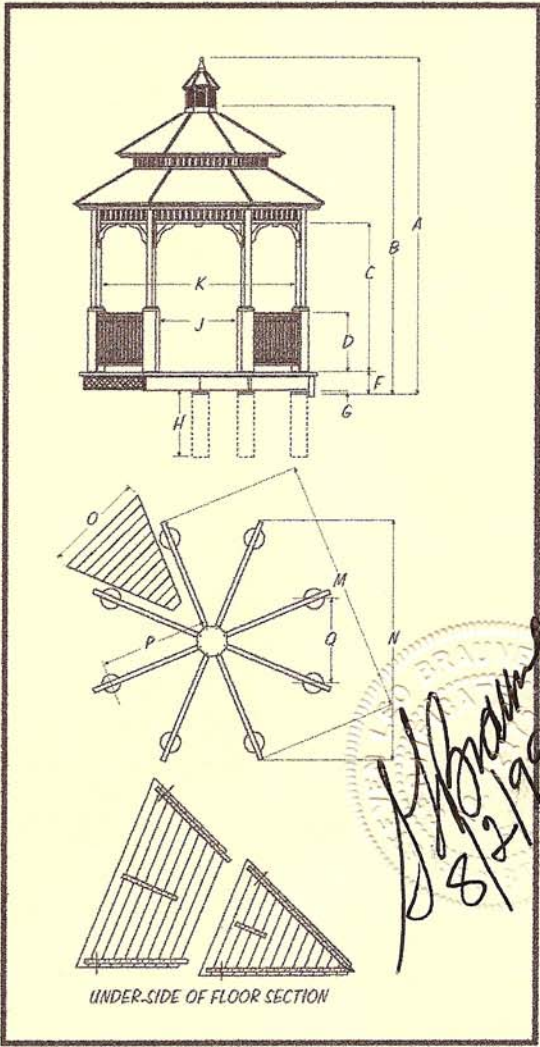
 **Vixen Hill**
Manufacturing Company
Main Street Elverson Pa. [19520] phone: 610-286-0900

SIZE & DIMENSIONS
MODE VK-12



MODEL - 12B

Key: Based on roof type	12B
*A: Height, Overall	170"
B: Height, Grade/peak	140"
C: Height, Entrance Max.	79"
D: Height, Railing	30"
F: Height, grade/floor	8"
*G: Height, piling-exp.	1"
H: Height, piling-overall	37"
**J: Width, Entrance Std.	43"
K: Width, Interior Min.	116"
M: Width, Point to Point	143 ⁵ / ₈ "
N: Width, Flat to Flat	132 ¹ / ₁₆ "
O: Length, Side 41" 55"	95 ³ / ₈ "
**P: Radius, Piling Cntrs.	62 ³ / ₄ "
Q: Spread, Piling Cntrs.	48"
R: Piling, Max. Diameter	10"
Measure Based on 6 Inch Trellis	
*Tier Rise = 19 Inches per (B&C)	
** Measure Based On No Newel Post Set	



M. Brannan
 8/2/99

PROJECT GAZEBO STRUCTURAL SYSTEM
 AND FASTENER DETAIL
 MODEL VK-12

SHEET TITLE SIZE & DIMENSIONS VK-12
 DRAWN BY RH 6/12/1999
 CHECKED _____ DWG NO. 001

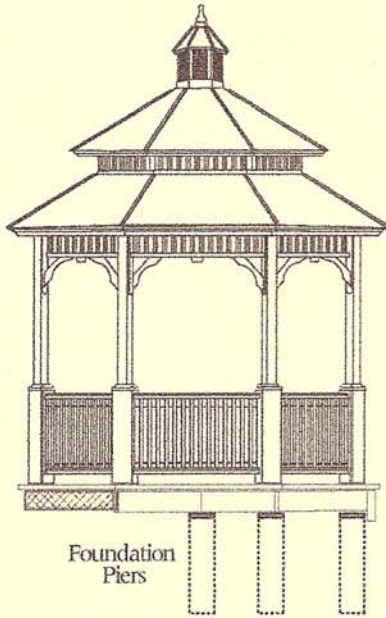
Vixen Hill
 Manufacturing Company

 Main Street Elverson Pa. [19520] phone: 610-286-0909

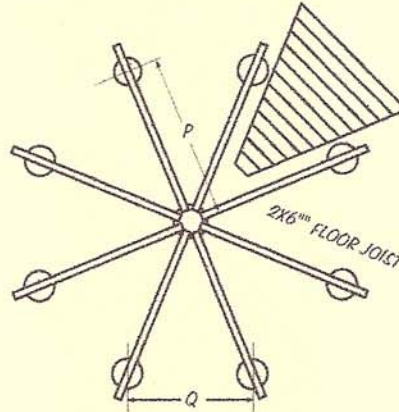
FLOOR CONNECTIONS

MODEL VK-12

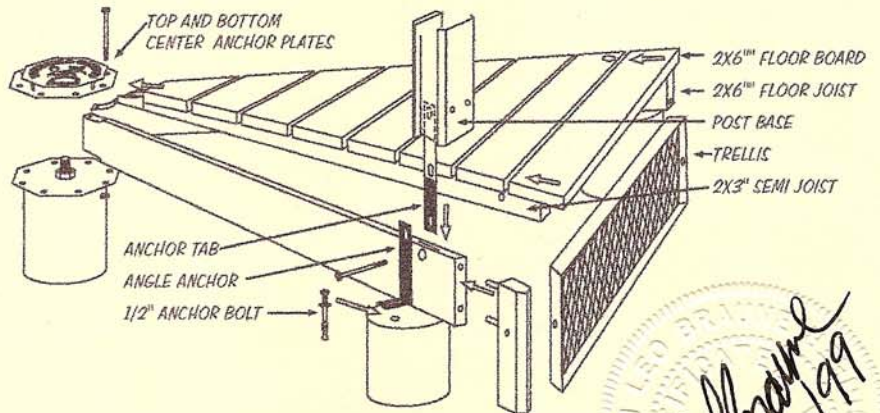
(A X B) NOMINAL SIZES



FLOOR JOIST AND PILING LAYOUT TOP VIEW

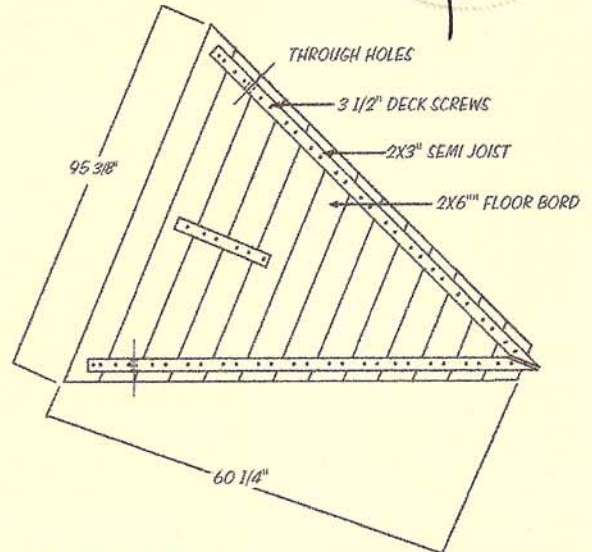


FLOOR SECTION PERSPECTIVE

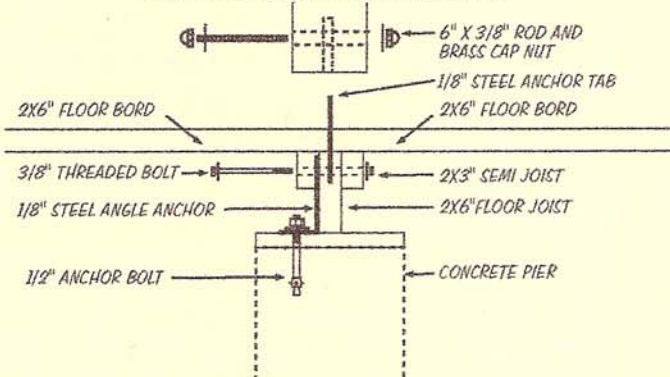


PILING PLACEMENT		
Dim.	P	Q
12'	62 3/4"	48"
All foundation piers to meet local and state building codes. To frost line, minimum 24 inches Confirm with local authorities.		

UNDER-SIDE OF FLOOR SECTION



END VIEW OF FLOOR ANCHORING



PROJECT GAZEBO STRUCTURAL SYSTEM AND FASTENER DETAIL
 MODEL VK-12

SHEET TITLE FLOOR CONNECTIONS VK-12
 DRAWN BY RH 6/12/1999
 CHECKED _____ DWG NO 002

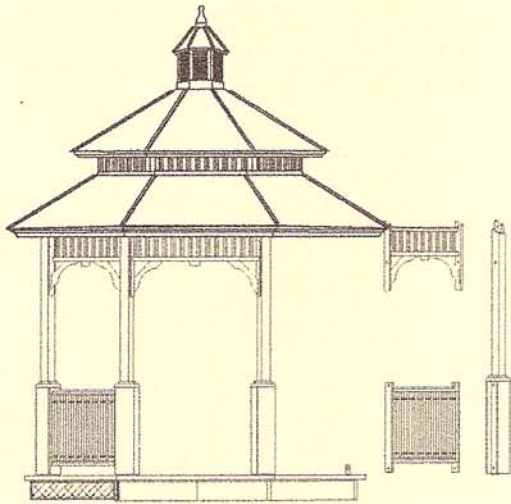
Vixen Hill
 Manufacturing Company
 Main Street Elverson Pa. [19520] phone: 610-286-0909

RAIL, FRET, AND POST CONNECTIONS

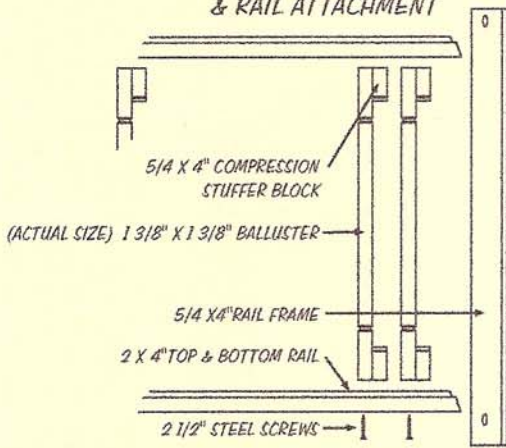
MODEL VK-12

(A X B) NOMINAL SIZES

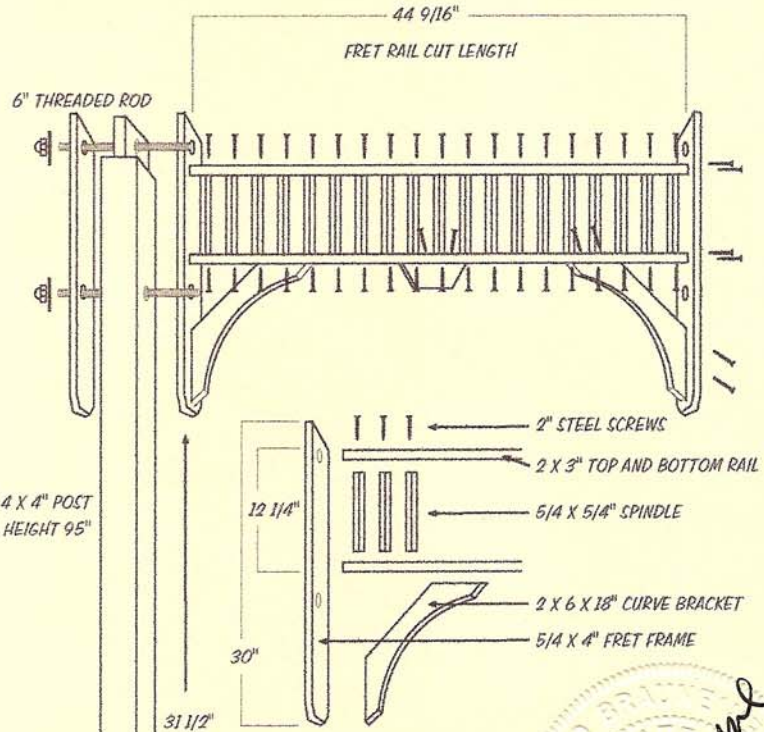
FRET CONSTRUCTION & RAIL ATTACHMENT



RAIL CONSTRUCTION & RAIL ATTACHMENT

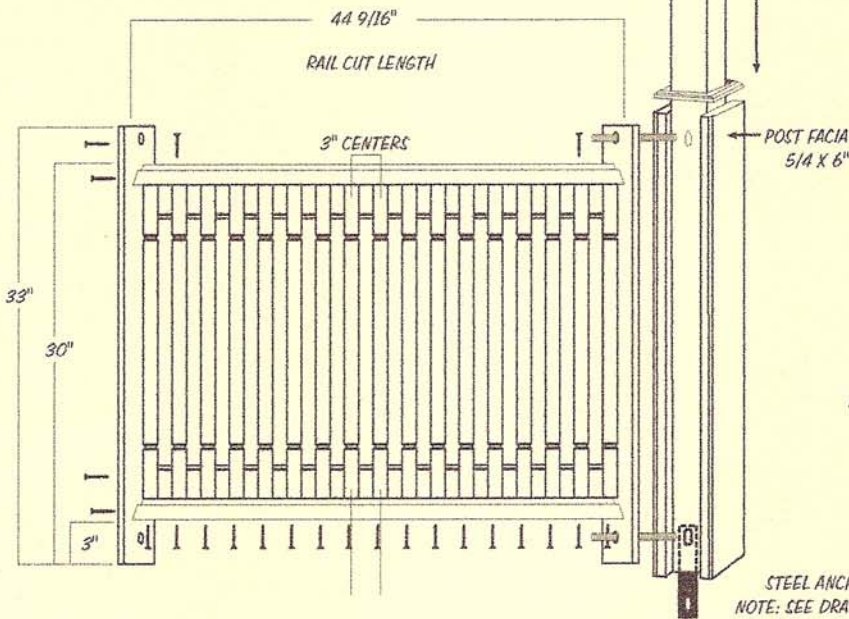


4 X 4" POST
 TOTAL HEIGHT 95"

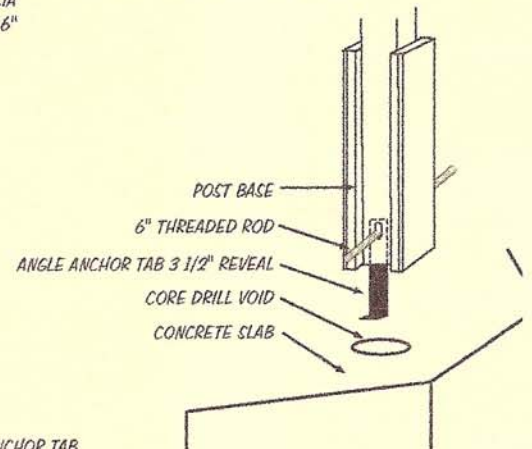


ALL FASTENERS SHALL BE STAINLESS STEEL

Signature
 8/21/99



POST ANCHORING ON CONCRETE SLAB



STEEL ANCHOR TAB
 NOTE: SEE DRAWING # 002
 FOR ANCHORING DETAIL.

PROJECT GAZEBO STRUCTURAL SYSTEM
AND FASTENER DETAIL
 MODEL VK-12

SHEET TITLE RAIL, FRET & POST VK-12
 DRAWN BY BH 6/12/1999
 CHECKED _____ DWG NO. 003

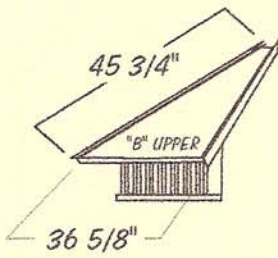
Vixen Hill
 Manufacturing Company

 Main Street Elverson Pa. [19520] phone: 610-286-0909

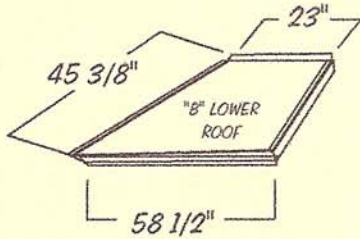
ROOF CONSTRUCTION AND ATTACHMENT (SINGLE AND DOUBLE TIER)

MODEL VK-12

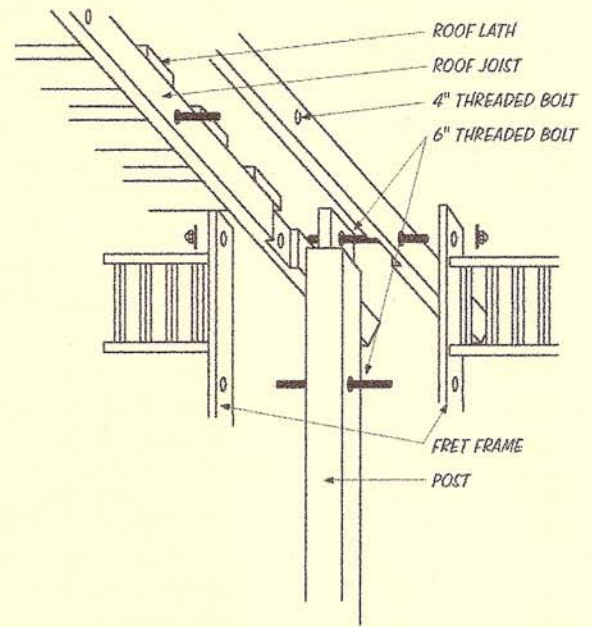
(A X B) NOMINAL SIZES



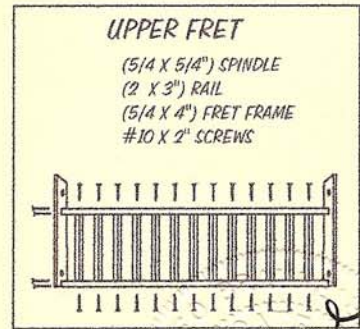
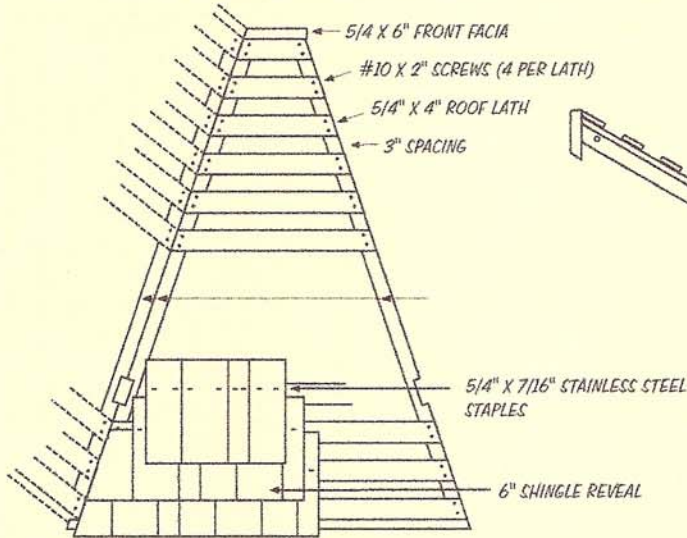
"8" MODEL ROOF



ROOF TO POST MORTISE CONNECTION

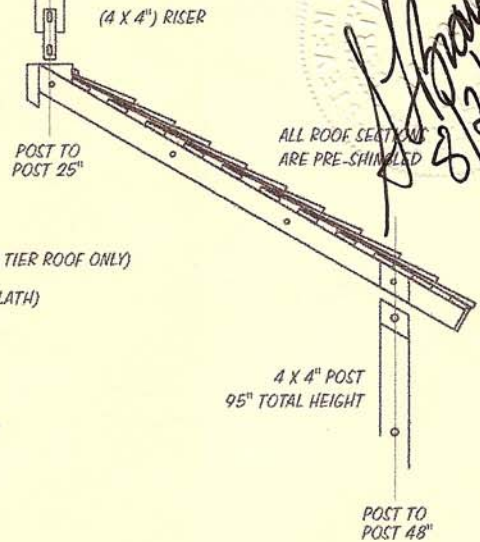
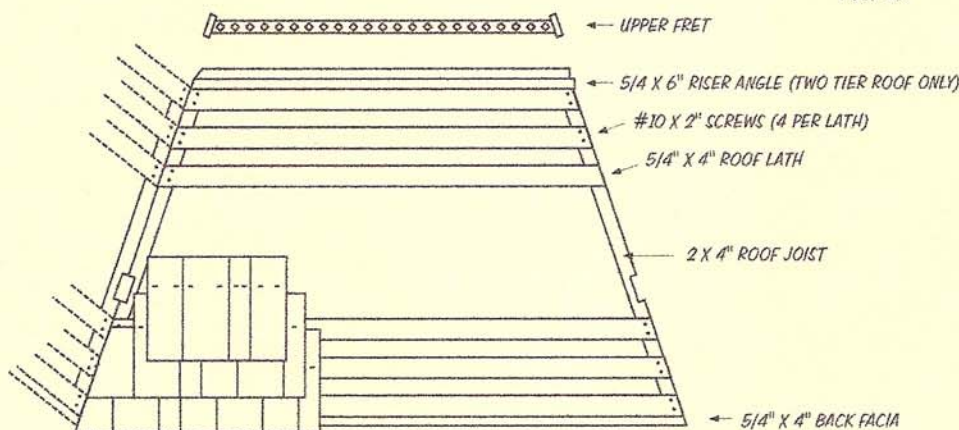


ROOF MODULE CONSTRUCTION



UPPER FRET

- (5/4 X 5/4") SPINDLE
- (2 X 3") RAIL
- (5/4 X 4") FRET FRAME
- #10 X 2" SCREWS



ALL ROOF SEAT OUTS ARE PRE-SHIMLED

Signature
8/2/99

PROJECT GAZEBO STRUCTURAL SYSTEM AND FASTENER DETAIL
MODEL VK-12

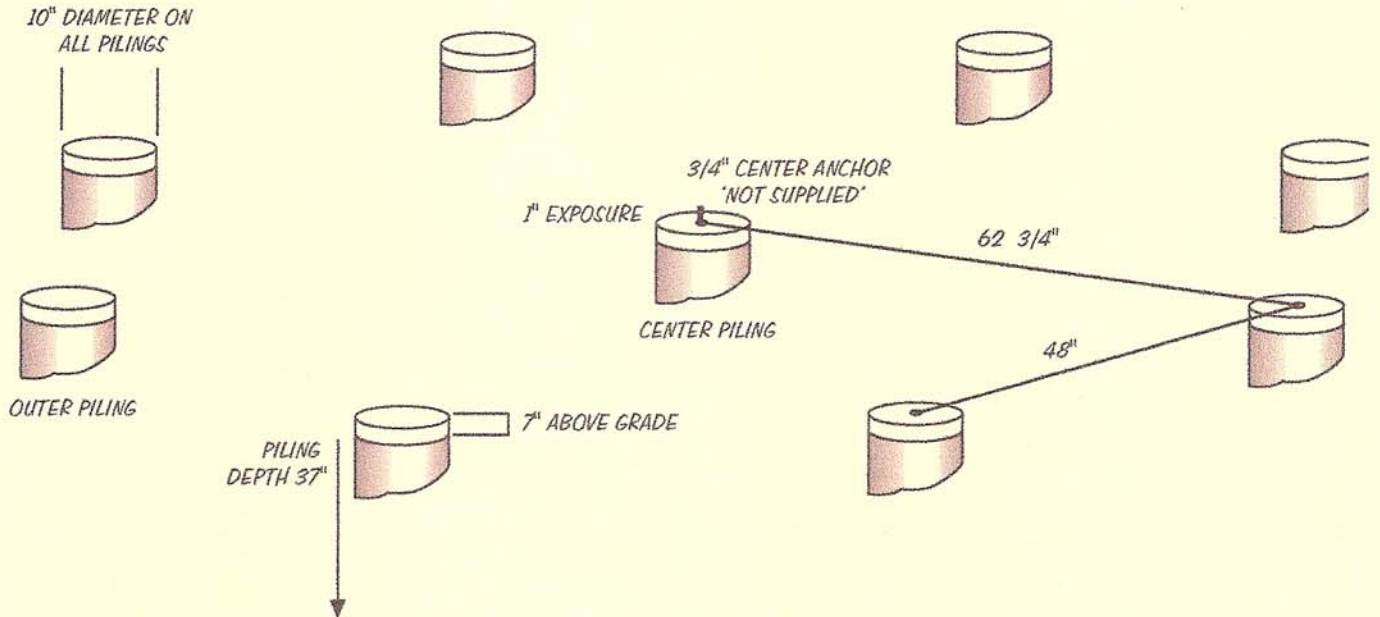
SHEET TITLE ROOF CONST. & ATTACHMENT
DRAWN BY RH 6/12/1999
CHECKED _____ DWG NO. 004



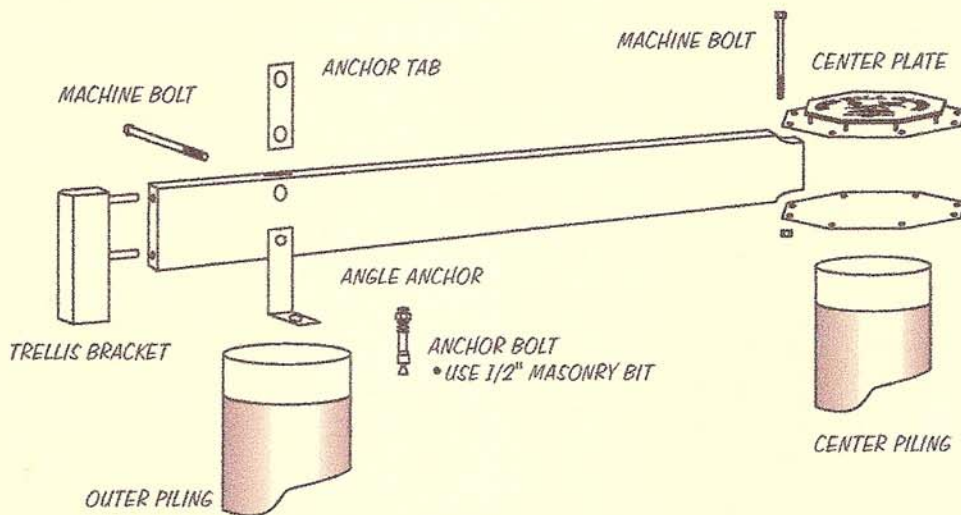
Vixen Hill
Manufacturing Company
Main Street Elverson Pa. [19520] phone: 610-296-0909

PILING LAYOUT FOR UNITS WITH 12" TRELLIS

MODEL VK-12



FLOOR JOIST DETAIL



[Handwritten Signature]
8/2/99

PROJECT PILING LAYOUT FOR UNITS WITH
12" TRELLIS
MODEL OK-12

SHEET TITLE COVER VK-12
DRAWN BY RH 6/12/1999
CHECKED _____ DWG NO 005

Vixen Hill
Manufacturing Company
Main Street Elverson Pa. [19520] phone: 810-286-0900

SPECIFICATIONS AND HARDWARE DETAIL

MODEL VK-12

Cabinetry Grade

Part 1 General

1.01 Scope. The contractor shall furnish and install a wooden structure as shown on plans and herein specified, as supplied by Vixen Hill Manufacturing Co. of Elverson, Pennsylvania.

1.02 Drawings. Contractor shall submit for approval complete calculations for all structural members, their connections, foundations and all applicable loading combinations, including profiles, sizes, location of bolt holes, attachments and anchorage, as provided by the manufacturer.

Part 2 Product

2.01 Wood Materials. Structure shall be fabricated from select #1 or better kiln-dried western red cedar. All wood shall be of clear grade, sound and suitable for safe use, free of loose or open knots.

2.02 Roofing System. Shingles shall be of or equal to number 1 perfection clear heart cedar or 16-oz. copper. Roof lathe shall be no less than 5/4 x 4 nominal (1" x 3 1/2") and secured to the joists with stainless steel screws. Roof sections shall be completely pre-assembled and pre-cut, and joints between roof sections shall be self-sealing.

2.03 Surface Finish. All wood members shall be surfaced four sides, free of planer skips, saw marks, or surface splinters. All hand contact edges shall be free of splinters and smooth to the touch. All exposed surfaces shall be prepared for maximum acceptance of oil-based finishes, to be applied by end user.

2.04 Hardware. All assembly hardware shall be provided. All assembly hardware in view shall be of solid brass and of a finish type to conceal all threads. All hardware in ground contact shall be of stainless steel. No nails shall be required or provided.

2.05 Electrical. Structure shall be provided with 110v electrical service to include overhead cupola light fixture, post-mounted light switch and 3-prong receptacle. All wires shall be hidden within the component parts to provide weather protection and enhance aesthetics. All electrical components shall be UL approved.

Part 3 Execution

3.01 Prefabrication. All component parts shall be preassembled to the fullest extent possible, to preclude any on-site drilling, cutting, filling, nailing or sanding. All structural components shall be preassembled with anodized threaded fasteners to ensure longest possible structural lifetime. All prefabrication fasteners shall be hidden from view or counterbored and plugged with matching wood where visible.

3.02 Installation. Structure shall be supplied with all necessary hardware and complete instructions to provide for efficient on-site assembly. Average assembly time on a prepared foundation shall not exceed 12 man-hours (-8A, 9A, and 12A&B series); 20 man-hours (-11A&B, 14A&B and 15A&B series); 60 man-hours (-21A, 24B, 27C, and 30C series).

End

3/8" THREADED ROD 6"

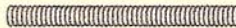


3/8" CAP NUT AND WASHER



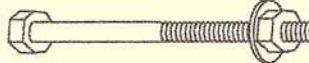
6" ROD USED IN ALL FRET AND RAIL CONNECTION ON THE MAIN STRUCTURE OF THE GAZEBO, CAPTURING FRET OR RAIL FRAME AND 4 X 4" POST.

3/8" THREADED ROD 4"



4" ROD USED IN CONNECTING ALL ROOF MODULES CAPTURING BOTH 2 X 4" ROOF JOIST.

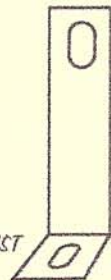
3/8" MACHINE BOLT 5 1/2"



5 1/2" BOLTS USED IN THE ASSEMBLY OF THE FLOOR ANCHORING AND THE ATTACHMENT OF THE FLOOR MODULES.



1/8" X 1 1/2" STEEL ANCHOR TAB. USED IN THE ANCHORING OF POST TO FLOOR JOIST AND ALSO SECOND TIER RISER.



ANGLE ANCHOR USED IN THE ANCHORING OF THE FLOOR JOIST TO THE CONCRETE PIER.

FOR REFERENCE ONLY

PROJECT GAZEBO STRUCTURAL SYSTEM
AND FASTENER DETAIL
MODEL VK-12

SHEET TITLE SPECIFICATIONS AND HWD.
DRAWN BY RH 6/12/1999
CHECKED _____ DWG NO 006



Vixen Hill
Manufacturing Company

Main Street Elverson Pa. [19520] phone: 610-286-0900