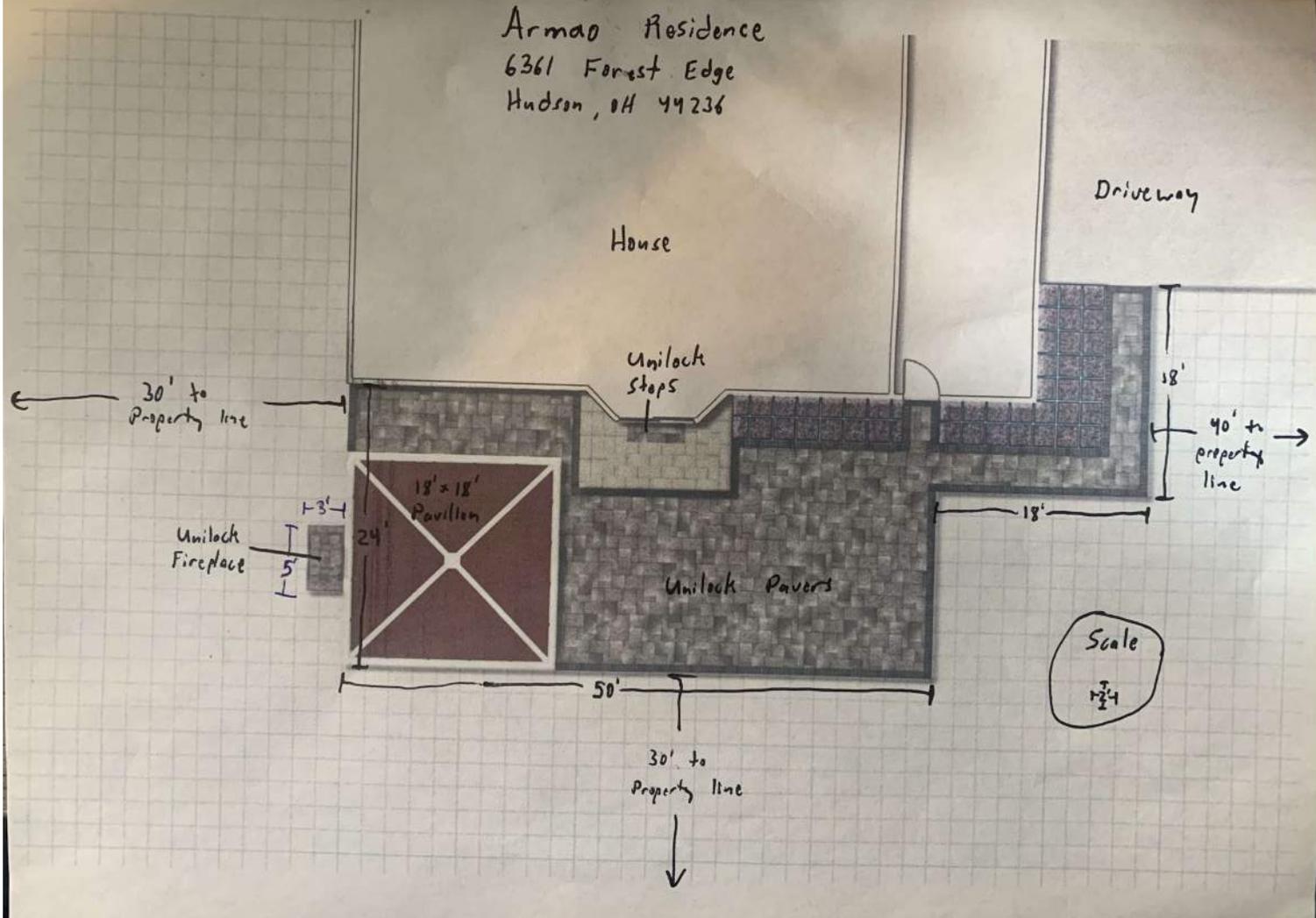
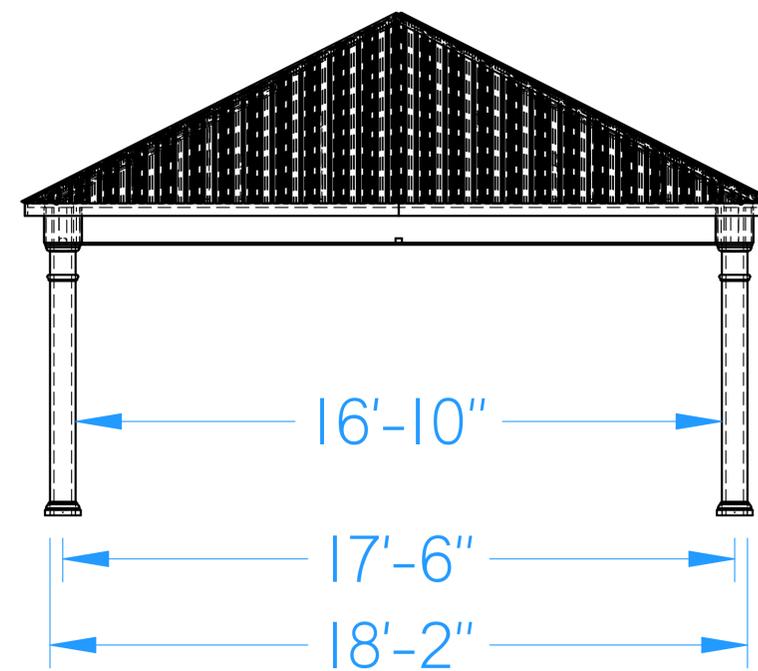
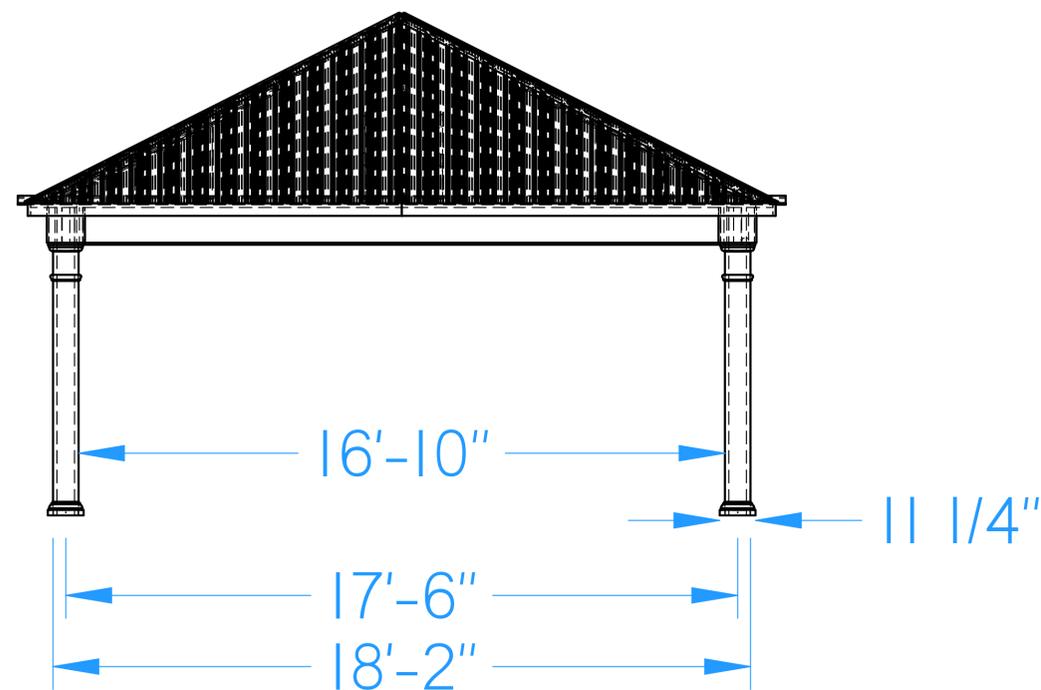
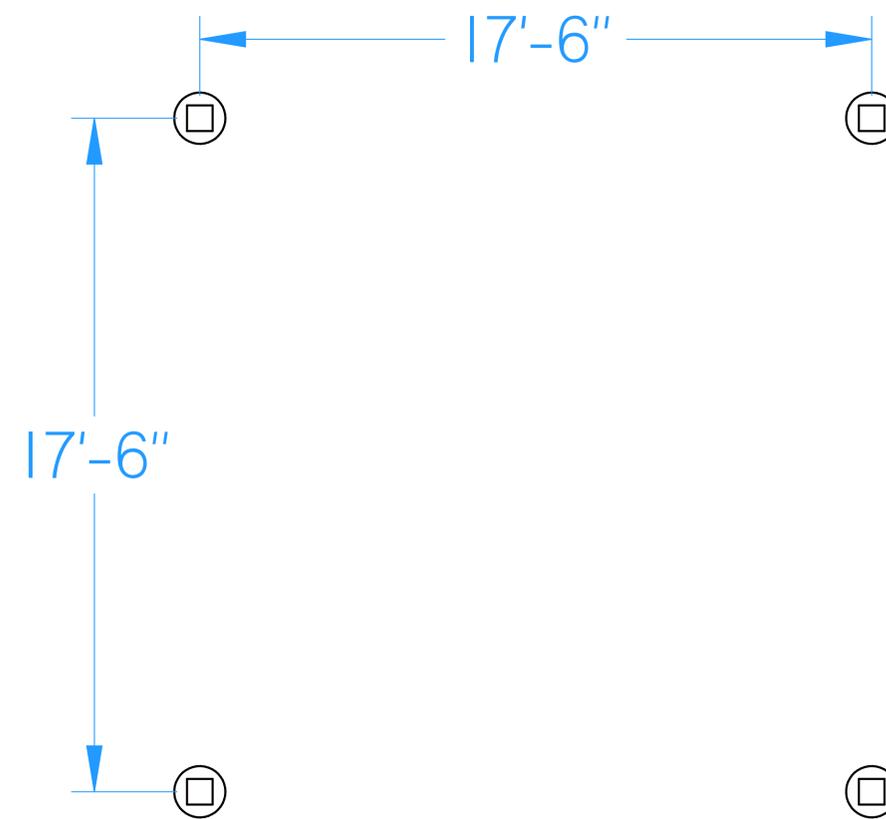
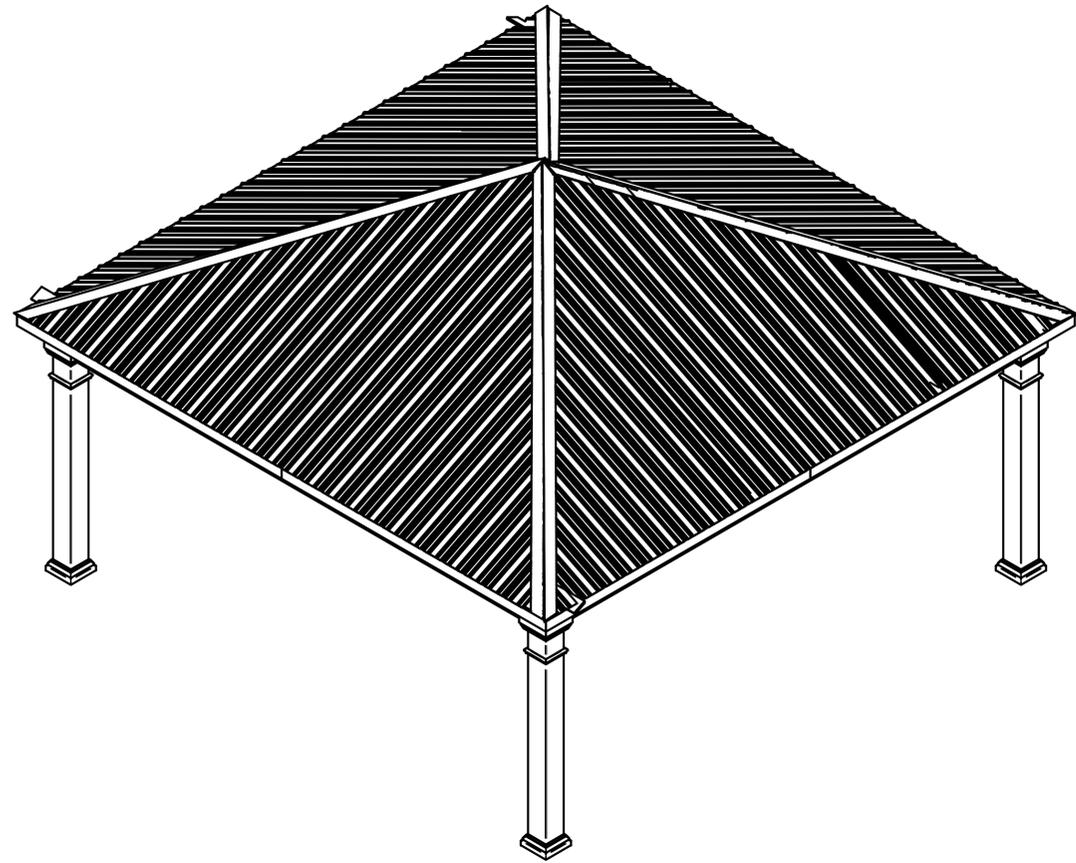




Armad Residence  
6361 Forest Edge  
Hudson, OH 44236





Fireplace Shoppe  
Of Northfield  
Victoria 18x18

Nick Hoover  
6361 Forest Edge Drive Hudson OH 44236  
Phone - 330-461-4114  
Email - hhardscapes@yahoo.com

DRAWN BY: marvin.s

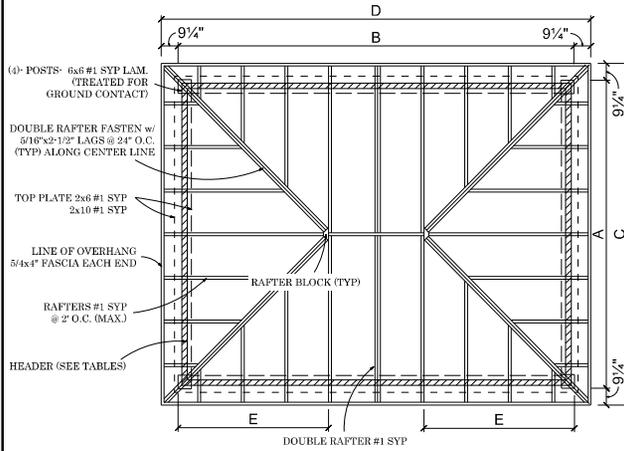
DATE: 3/9/2022

PROJECT:

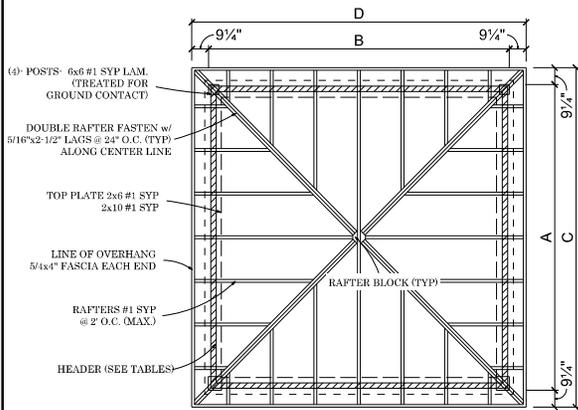
Victoria Pavilion  
Square.dft

# VICTORIA PAVILIONS

OTHERS RESPONSIBLE FOR BUILDING DEPARTMENT SUBMITTAL



1-4P-S-100 ROOF FRAMING PLAN



2-4P-S-100 ROOF FRAMING PLAN

4- POST PAVILION TABLE (STRAIGHT HEADERS)									
SIZE	A	B	C	D	HEADERS*	HEIGHT (F)	AREA (SQ. FT.)	RAFTER ON CENTER SPACING	FOOTER DIAMETER - (D) REBAR CALLOUT
10X10	10'-0"	10'-0"	11'-6 1/2"	11'-6 1/2"	HEADER #1	10' - 10 1/2"	100	2x4 @ 24"	12" - (5) #4 VERTICAL
10X12	10'-0"	12'-0"	11'-6 1/2"	13'-6 1/2"	HEADER #1	10' - 10 1/2"	120	2x4 @ 24"	12" - (5) #4 VERTICAL
10X14	10'-0"	14'-0"	11'-6 1/2"	15'-6 1/2"	HEADER #1	10' - 10 1/2"	140	2x4 @ 24"	12" - (5) #4 VERTICAL
10X16	10'-0"	16'-0"	11'-6 1/2"	17'-6 1/2"	HEADER #1	10' - 10 1/2"	160	2x4 @ 24"	12" - (5) #4 VERTICAL
12X12	12'-0"	12'-0"	13'-6 1/2"	13'-6 1/2"	HEADER #1	11' - 4 1/2"	144	2x4 @ 24"	12" - (5) #4 VERTICAL
12X14	12'-0"	14'-0"	13'-6 1/2"	15'-6 1/2"	HEADER #1	11' - 4 1/2"	168	2x4 @ 24"	16" - (5) #4 VERTICAL
12X16	12'-0"	16'-0"	13'-6 1/2"	17'-6 1/2"	HEADER #1	11' - 4 1/2"	192	2x4 @ 24"	16" - (5) #4 VERTICAL
12X18	12'-0"	18'-0"	13'-6 1/2"	19'-6 1/2"	HEADER #1	11' - 4 1/2"	216	2x4 @ 24"	16" - (5) #4 VERTICAL
14X14	14'-0"	14'-0"	15'-6 1/2"	15'-6 1/2"	HEADER #1	11' - 10 1/2"	196	2x4 @ 24"	16" - (5) #4 VERTICAL
14X16	14'-0"	16'-0"	15'-6 1/2"	17'-6 1/2"	HEADER #1	11' - 10 1/2"	224	2x4 @ 24"	16" - (5) #4 VERTICAL
14X18	14'-0"	18'-0"	15'-6 1/2"	19'-6 1/2"	HEADER #1	11' - 10 1/2"	252	2x4 @ 24"	16" - (5) #4 VERTICAL
16X16	16'-0"	16'-0"	17'-6 1/2"	17'-6 1/2"	HEADER #1	12' - 4 1/2"	256	2x6 @ 24"	20" - (5) #4 VERTICAL
16X18	16'-0"	18'-0"	17'-6 1/2"	19'-6 1/2"	HEADER #1	12' - 4 1/2"	288	2x6 @ 24"	20" - (5) #4 VERTICAL
18X18	18'-0"	18'-0"	19'-6 1/2"	19'-6 1/2"	HEADER #1	12' - 10 1/2"	324	2x6 @ 24"	20" - (5) #4 VERTICAL

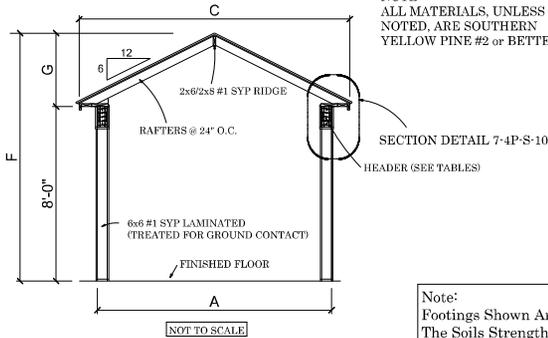
**\*HEADER NOTES:**

HEADER #1 IS (2) 2x12 #1 SYP (OUTER PLY EXTENDS TO EDGE OF POST) - WITH or WITHOUT ARCH.  
 HEADER #2 IS (3) 2x12 #1 SYP (OUTER PLY EXTENDS TO EDGE OF POST, INSIDE PLY TO STOP AT BLOCK, FASTEN TO OUTER PLY) - WITH or WITHOUT ARCH.  
 HEADER #3 IS (3) 1.75" x 11.25" MICROLAM LVL (OUTER PLY TO EXTEND TO EDGE OF POST, INSIDE PLY TO STOP AT BLOCK, FASTEN TO OUTER PLY) - WITH or WITHOUT ARCH.  
 HEADER PLY'S ARE GLUED TOGETHER.

**4- POST PAVILION TABLE**

SIZE	E	G
10x10	4'-11 1/4"	2'-10 1/2"
10x12	4'-11 1/4"	2'-10 1/2"
10x14	4'-11 1/4"	2'-10 1/2"
10x16	4'-11 1/4"	2'-10 1/2"
12x12	5'-11 1/4"	3'-4 1/2"
12x14	5'-11 1/4"	3'-4 1/2"
12x16	5'-11 1/4"	3'-4 1/2"
12x18	5'-11 1/4"	3'-4 1/2"
14x14	6'-11 1/4"	3'-10 1/2"
14x16	6'-11 1/4"	3'-10 1/2"
14x18	6'-11 1/4"	3'-10 1/2"
16x16	7'-11 1/4"	4'-4 1/2"
18x18	8'-11 1/4"	4'-10 1/2"

NOTE: ALL MATERIALS, UNLESS OTHERWISE NOTED, ARE SOUTHERN YELLOW PINE #2 or BETTER GRADE

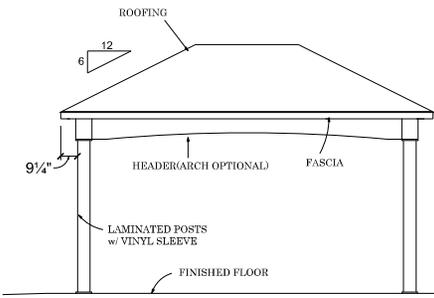


3-4P-S-100 CROSS SECTION- TRUSSES

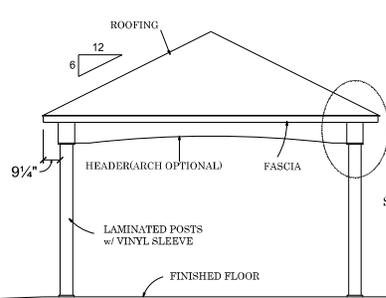
Note: Footings Shown Are Applicable For Pavilions Listed in Tables. The Soils Strengths Is Code Allowed Minimum 1,500 psf. The Design Is Based On Level Ground For At Least 10 ft. Beyond Building Line In All Directions. If These Conditions DO NOT Exist, A Registered Engineer Must Do The Final Foundation Design.

Fasteners GRK-RSS Construction Screws or Saber Drive Screws At Length and Diameter Specified w/ Coating Approved For Use In Preservative Treated Wood w/ The Treatment Used Unless Noted Otherwise.

NOTE: ALL BOXED SPECS. ARE APPLICABLE FOR SPECIFIC JOBS.



4-4P-S-100 SIDE ELEVATION



5-4P-S-100 END ELEVATION

SECTION DETAIL 6-4P-S-101

Victoria Pavilion  
SCALE: 3/8" = 1'-0"

Design Complies with Ohio Residential Code 2019 and The Ohio Building Code 2017  
 Structural Design Based On ASCE 7 - 10  
 Snow Load:  
 Ground Snow Load = 20 Psf  
 Snow Exposure Factor For Terrain Category B = 1.0  
 Thermal Factor = 1.2  
 Slope Factor = 1.0  
 Importance Factor For Category II = 1.0  
 Unbalanced Snow Load, Does Not Apply  
 Roof LL = 20 psf  
 Roof DL = 10 psf

Wind Load:  
 Basic Wind Speed = 115 MPH  
 Wind Pressure For Exposure B Per Table  
 Importance Factor For Category II = 1.0

**SEISMIC DESIGN**

S5 = 15  
 S1 = 6  
 Site Class = D  
 Designed Using Simplified Lateral Force Analysis Procedures.  
 F = 1.0  
 Fa = 1.4  
 Sds = 1.0  
 R = 7

- 6x6 #1 SYP LAMINATED POSTS (TREATED FOR GROUND CONTACT)

FOUNDATION NOTES:  
 - CONCRETE - 4,000 psi w/  
 5-7% AIR ENTAINMENT

ROOF STRUCTURE OPTIONS-  
 - PINE 1x SHEATHING w/ RAFTERS

ROOFING OPTIONS-  
 - 30 YEAR ASPHALT SHINGLES  
 - 29 GA. PAINTED STEEL ROOF

INFORMATIONAL COPY ONLY- SEALED PLANS AVAILABLE UPON REQUEST

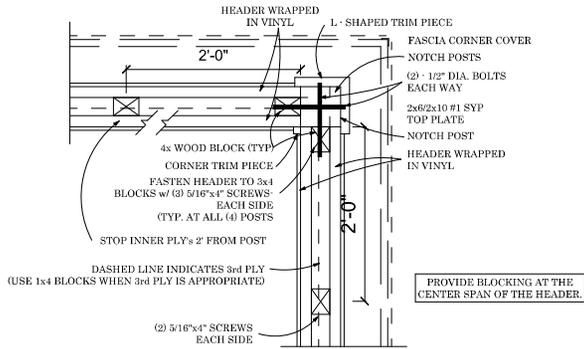
BERLIN GARDENS  
 5029 TOWNSHIP HIGHWAY 359  
 MILLERSBURG, OH 44654  
 HOLMES COUNTY

REVISIONS		
MARK	DATE	DESCRIPTION
1	3-12-20	AG-CO FOOTER

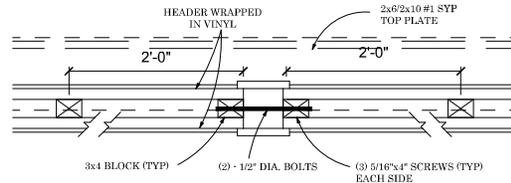
PROJECT NO: xxx  
 DRAWN BY: KK  
 DATE: 3/13/2020  
 SHEET TITLE:

VICTORIA PAVILION  
 4- POST STRUCTURES  
**4P S-100**



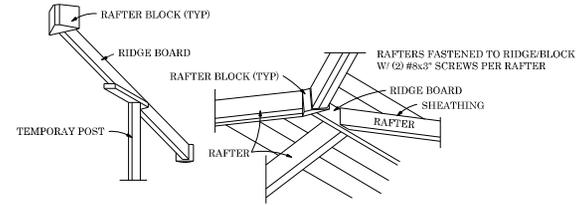


**8-4P-S-101 Header to Post Connection**  
SCALE: 1:5000" = 1'-0"



**CENTER POST DETAIL**

NOTE:  
TOP PLATE CONSISTS OF A 2x6 & 2x10 (#1 SYP) POCKET HOLED TOGETHER w/ 2 1/2" PAN HEAD SCREWS 8" O.C. STAGGERED ATTACH TOP PLATE TO HEADER w/ 5/16"x3 1/8" SCREWS 24" O.C.



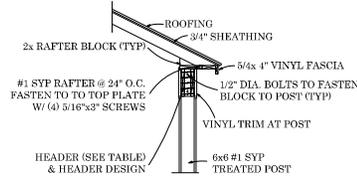
**9-4P-S-101 RAFTER BLOCK DETAIL**  
SCALE: 3:0000" = 1'-0"

NOTE:  
OPTIONAL CEILING CAN BE INSTALLED.

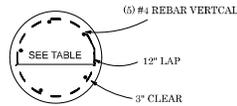


3-PLY FASTENER PATTERN IS #8x3" SCREWS  
"X" S INDICATE SCREWS INSTALLED  
FOR 3-PLY, INSTALL 3rd PLY BETWEEN THE POSTS.  
HEADER PLYS ARE GLUED TOGETHER.

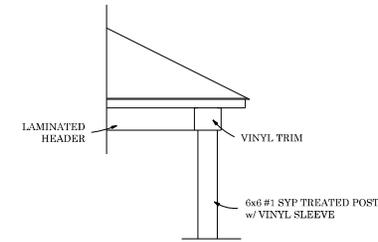
**4-4P-S-101 Header Laminating Fastener Pattern**



**7-4P-S-101 TOP PLATE**  
SCALE: 1/2" = 1'-0"

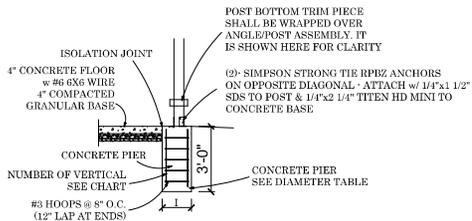


**Rebar Diagram**  
SCALE: 1:10000" = 1'-0"

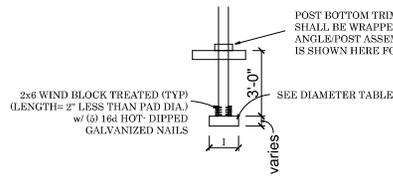


**6-4P-S-101 Header Detail**  
SCALE: 1/2" = 1'-0"

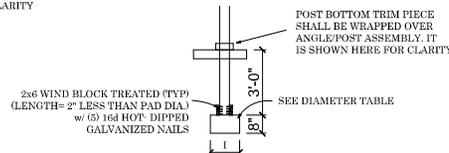
**Victoria Pavilion**  
SCALE: 3/8" = 1'-0"



**1-4P-S-101 Concrete Pier Post Anchor**



**5-4P-S-101 AG-CO PRODUCTS, INC.**  
FP MOLDED COMPOSITE FOOTING PAD



**3-4P-S-101 Embedded Post**



INFORMATIONAL  
COPY ONLY-  
SEALED PLANS  
AVAILABLE  
UPON REQUEST

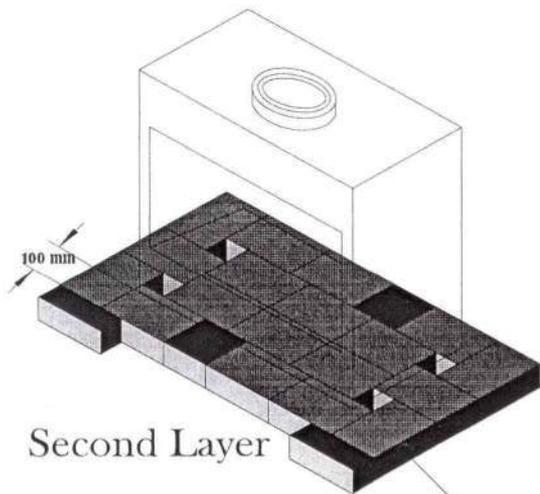
BERLIN GARDENS  
5029 TOWNSHIP HIGHWAY 359  
MILLERSBURG, OH 44654  
HOLMES COUNTY

REVISIONS		
MARK	DATE	DESCRIPTION
1	3/12/20	AG-CO FOOTER

PROJECT NO: xxx  
DRAWN BY: KK  
DATE: 3/13/2020

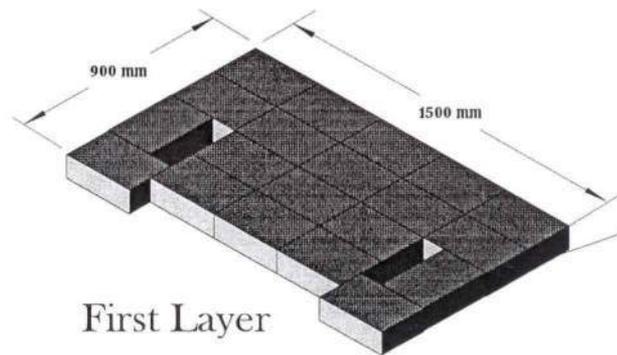
SHEET TITLE:  
VICTORIA PAVILION  
4-POST STRUCTURES

**4P S-101**

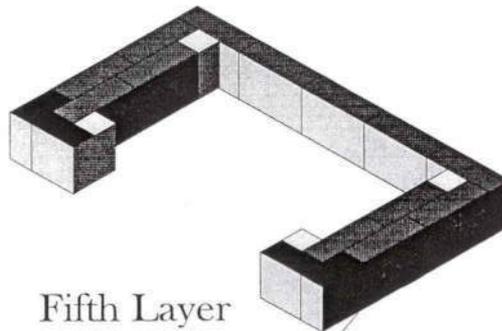


Second Layer

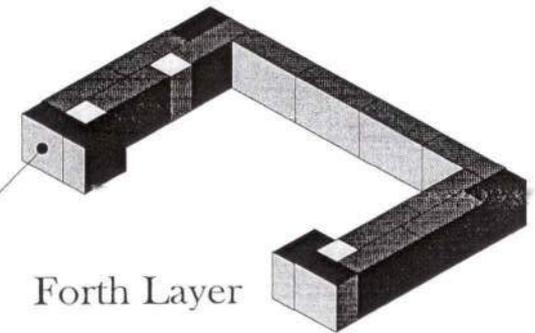
**Note: Firebox is placed on 2nd layer and fireplace construction will continue around firebox.**



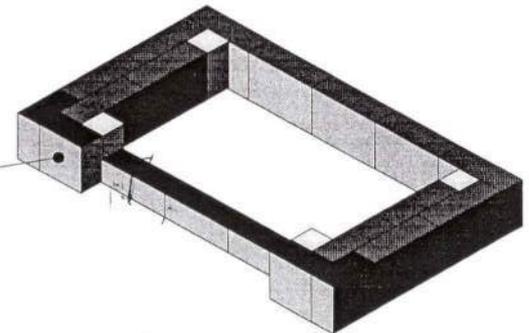
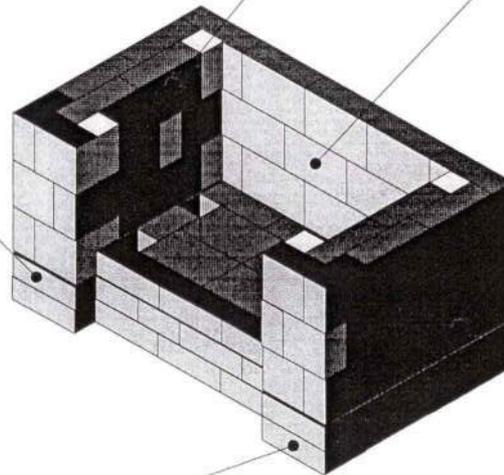
First Layer



Fifth Layer



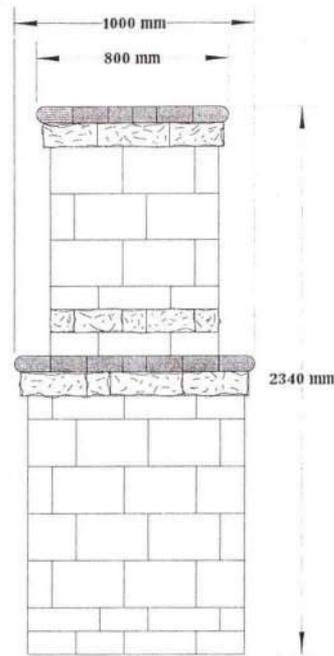
Forth Layer



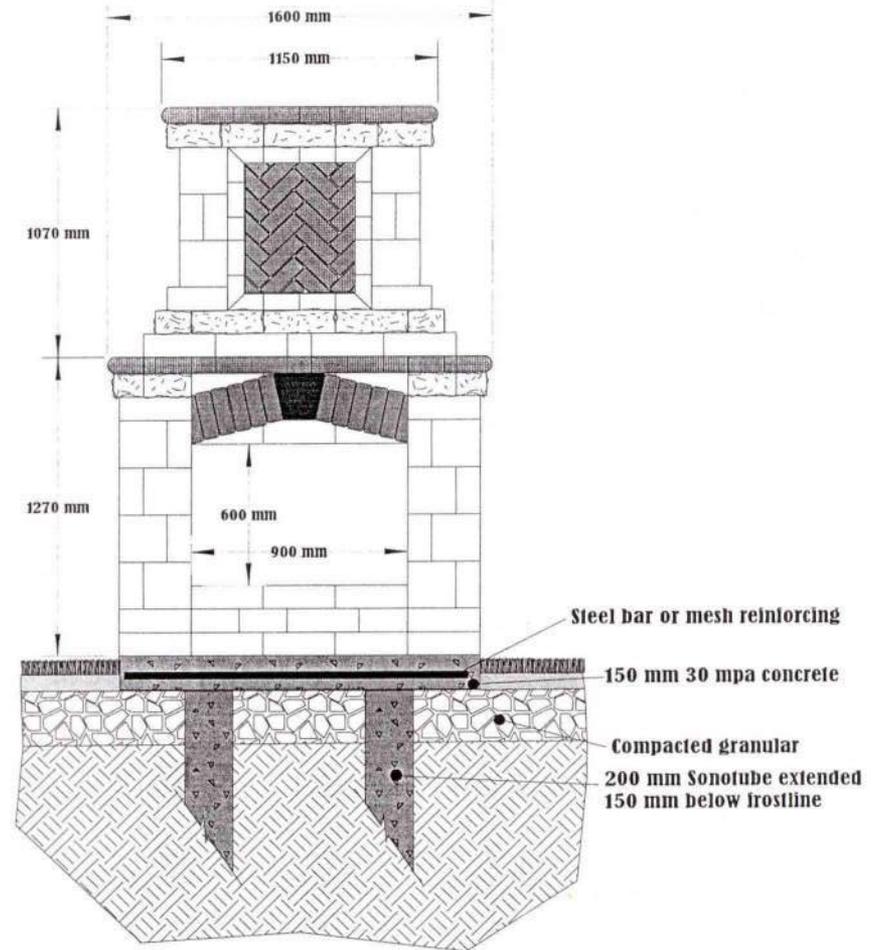
Third Layer

### Main Cut list for Fireplace and Chimney Brussels Dimensional

			200 mm x 100 mm x 100 mm	22 Pieces required
			200 mm x 200 mm x 100 mm	32 Pieces required
			300 mm x 100 mm x 100 mm	26 Pieces required



**Side View**



**Front View**

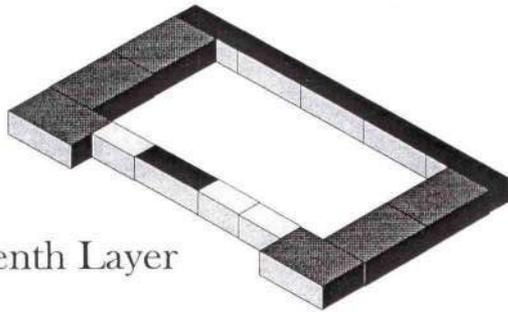
## The Tuscany Fireplace

### Materials list

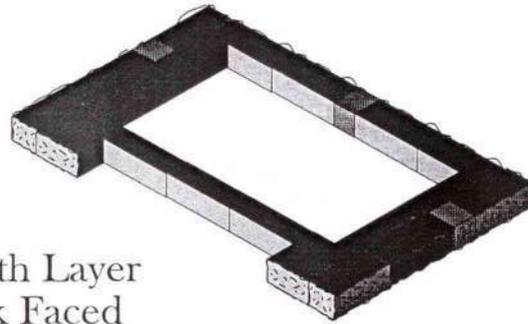
Brussels Dimensinal -	2 bundles and 2 sections
Copthorne -	50 pieces
Fullnose Coping -	2 sections

Estimated man-hours to construct - 40 man-hours

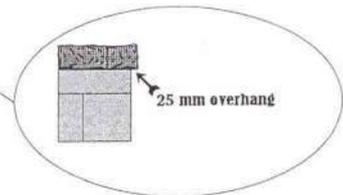
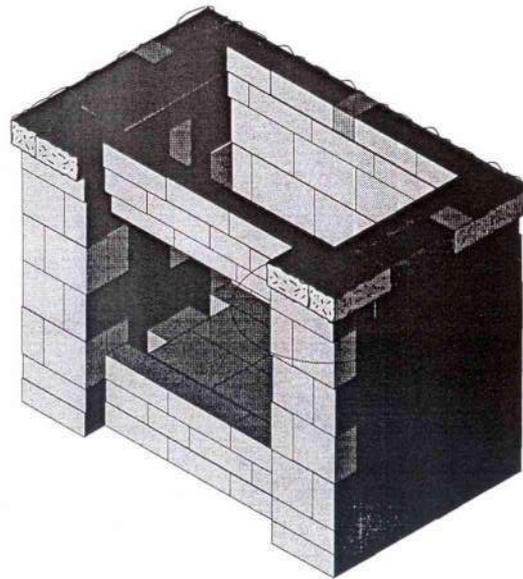
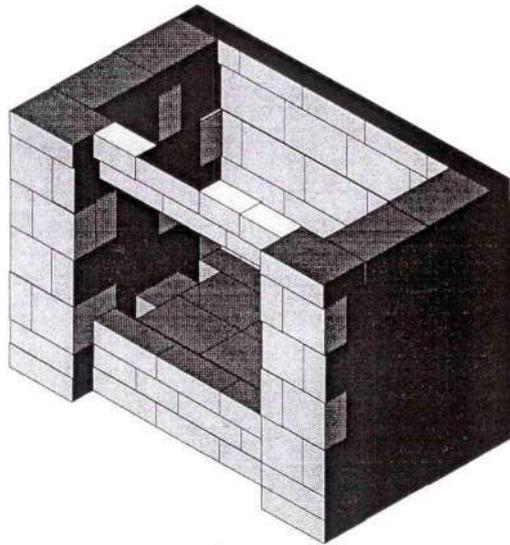
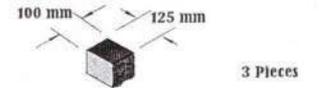
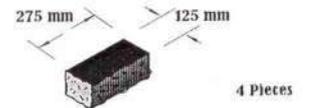
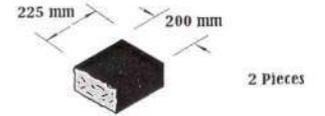
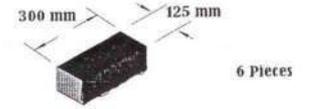
Seventh Layer



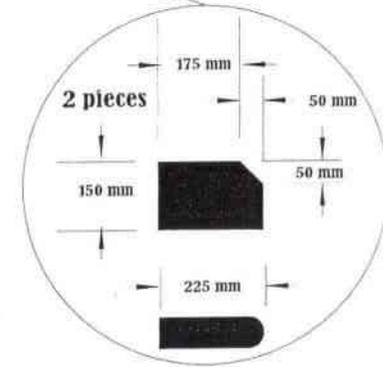
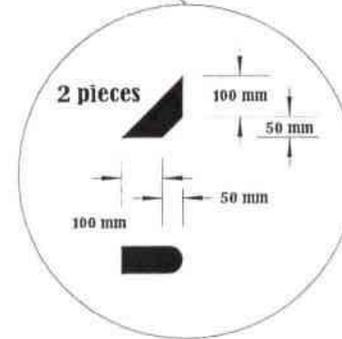
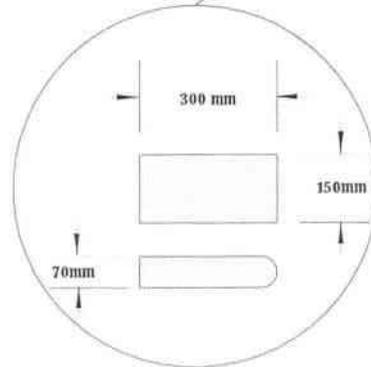
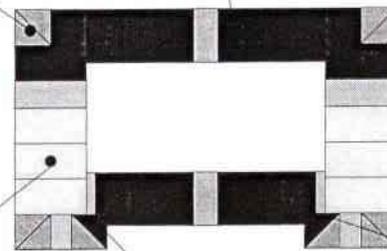
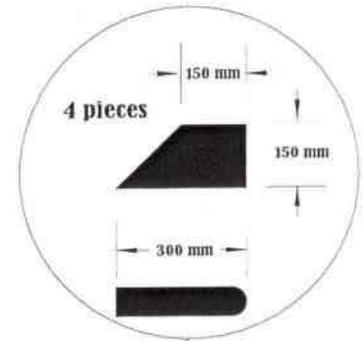
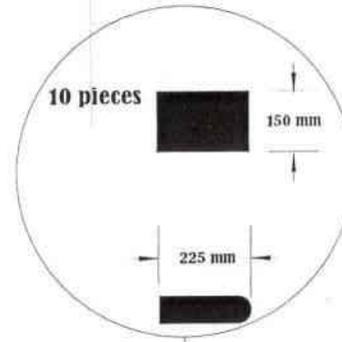
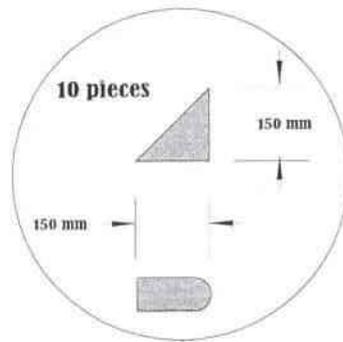
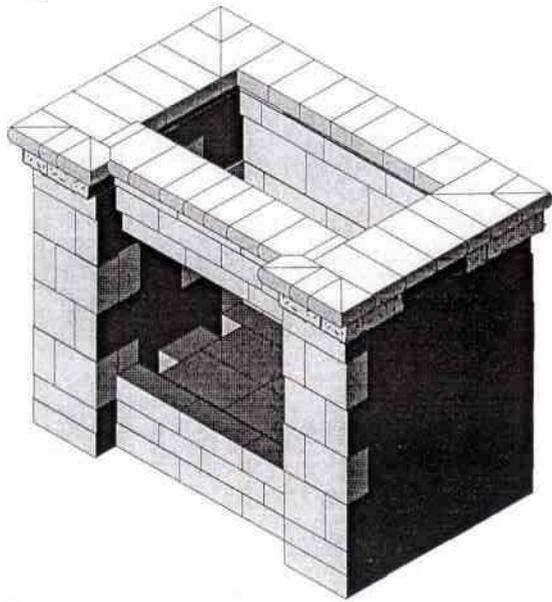
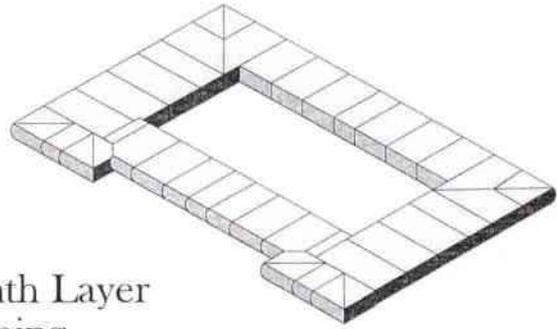
Eighth Layer  
Rock Faced



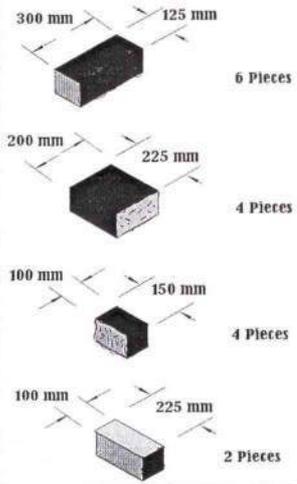
Rockface Cut list



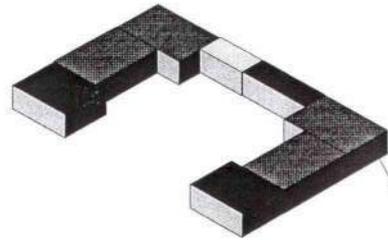
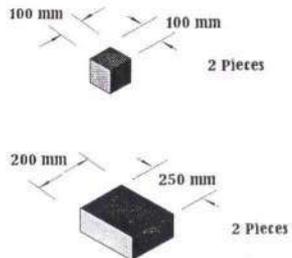
# Ninth Layer Coping



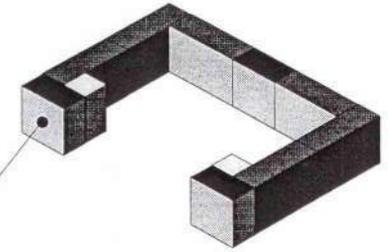
### Chimney Layer 2 Rockface Cut list



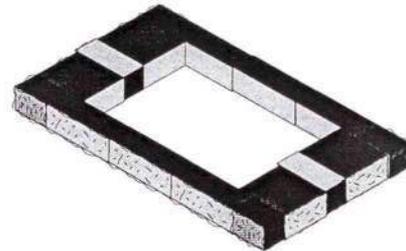
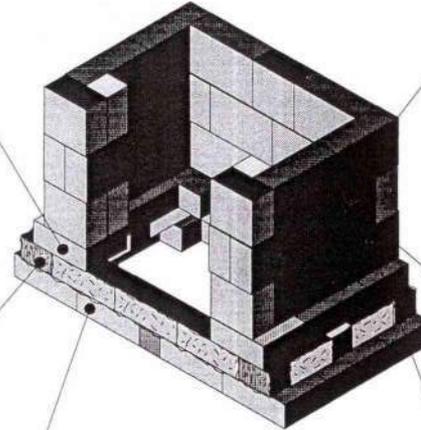
### Chimney Layer 1&3 Special Cut list



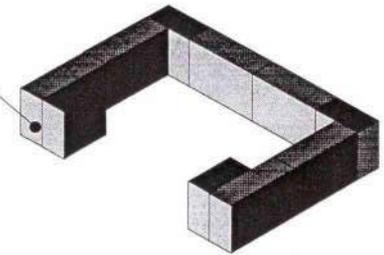
Chimney layer 3



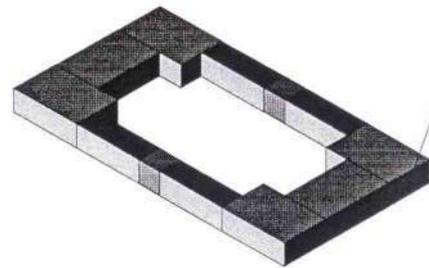
Chimney layer 6



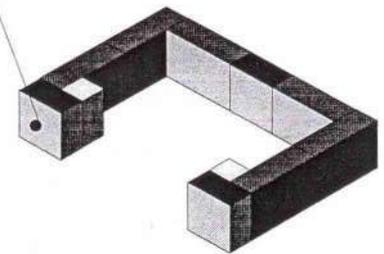
Chimney layer 2



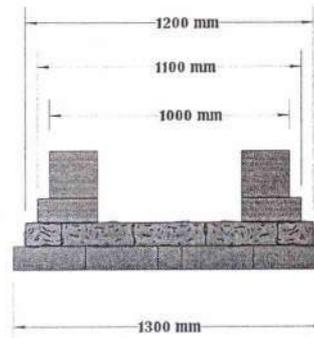
Chimney layer 5



Chimney layer 1



Chimney layer 4

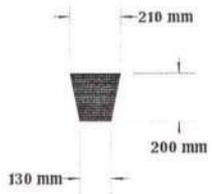


Front View

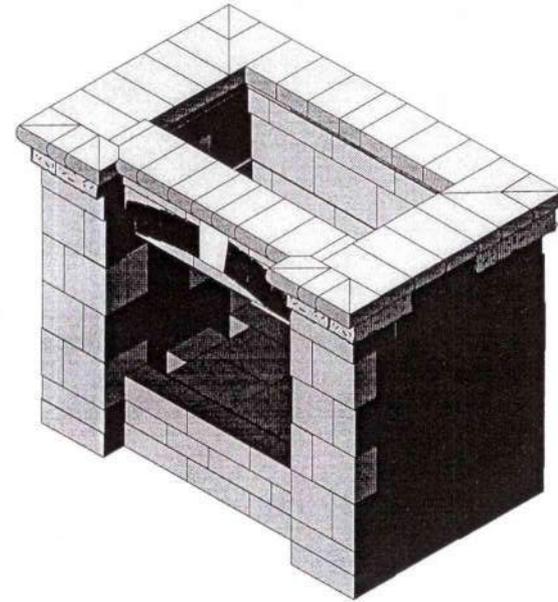
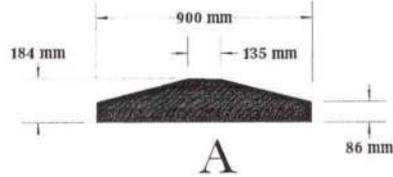
**Important Note:**

Wait a minimum of 24 hours before continuing onto the chimney construction.

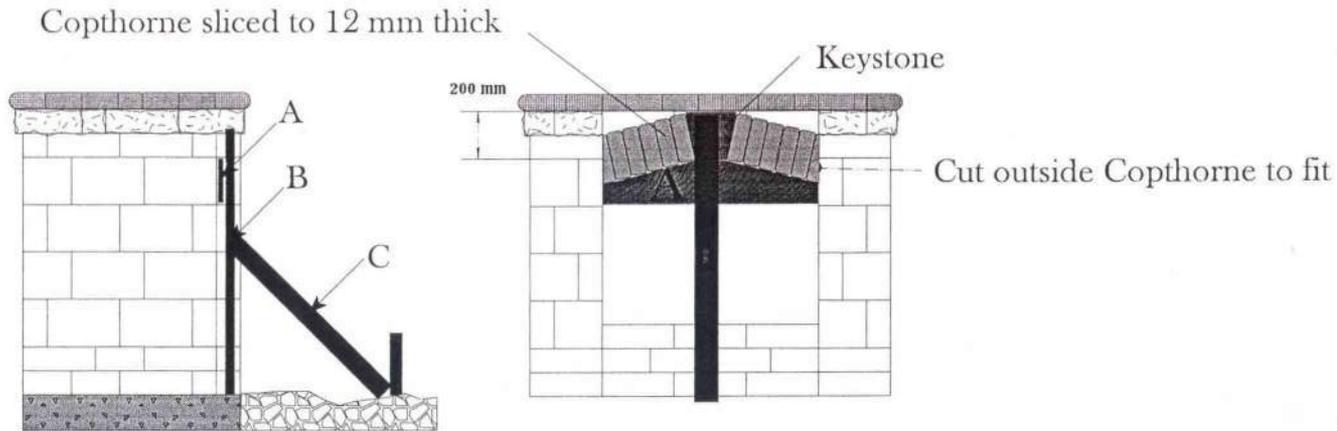
The adhesive needs time to set before additional weight is added



Center Keystone



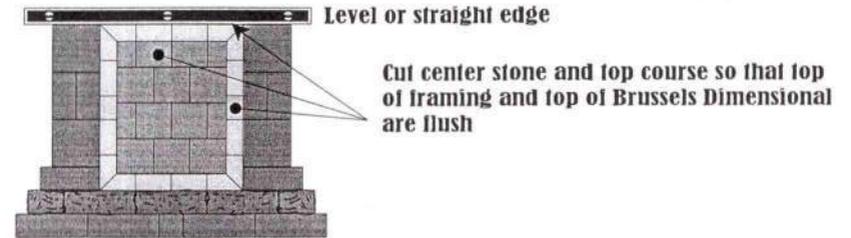
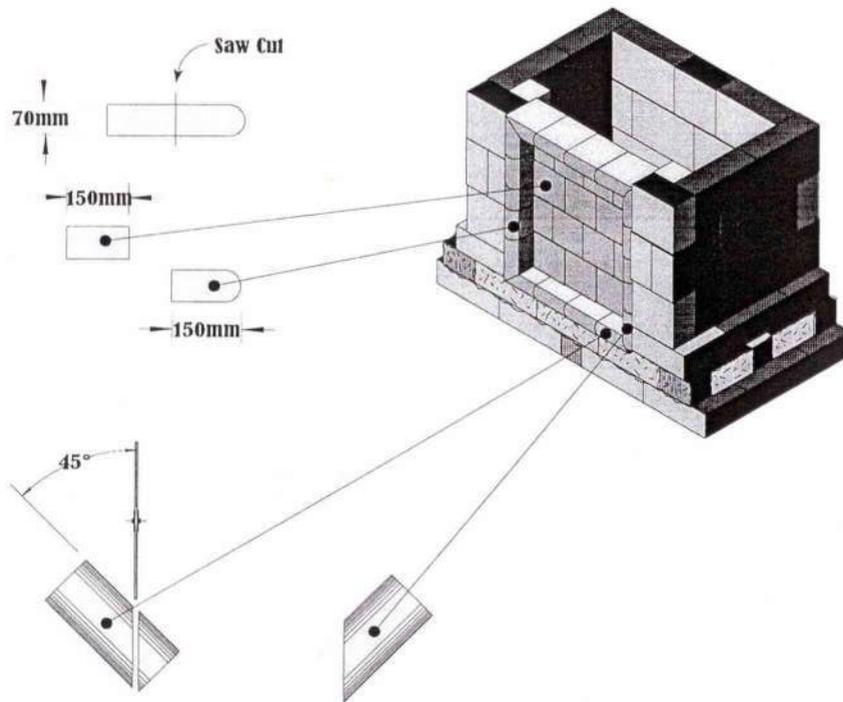
To create the arch above the fireplace a piece of 20 mm plywood needs to be cut into the shape below(A). It is then supported with a vertical piece of wood(B) and then braced (C) so that the support can not move. This will create a ledge to carry the stones until the adhesive cures.



## Chimney Decorative framing

To create the decorative framing 18 pieces of full nose coping needs to be cut into 2 equal lengths of 150 mm. The square cutoffs will be used as backup stones for the inlay.

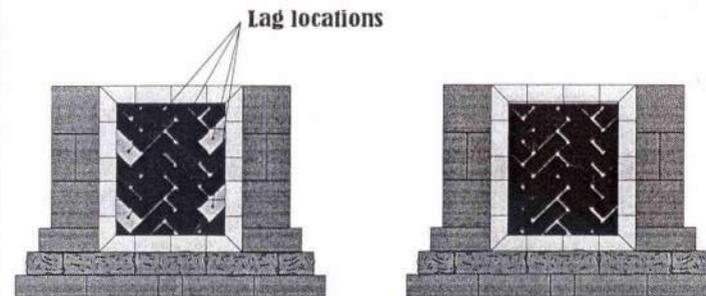
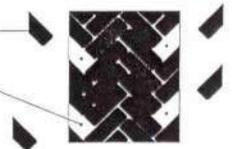
8 (4 left and 4 rights) of these need to be cut a second time to create the miter corners



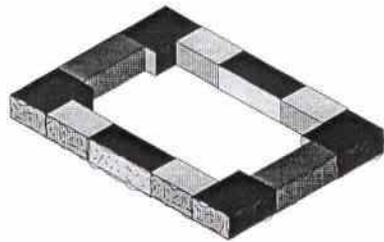
Front view

## Creating Chimney inlay

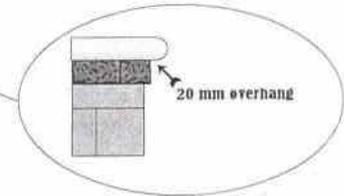
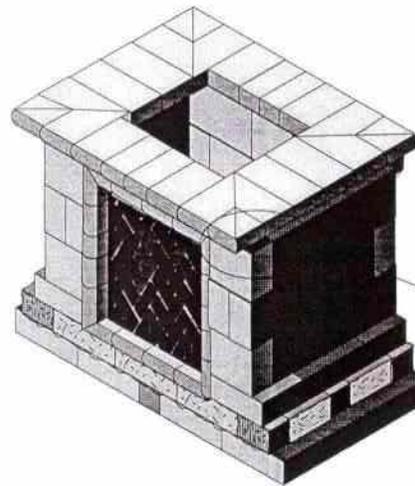
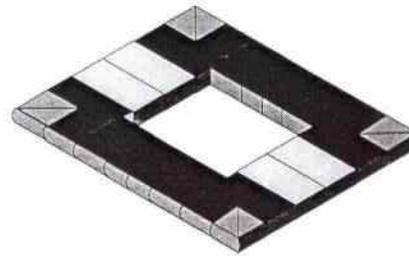
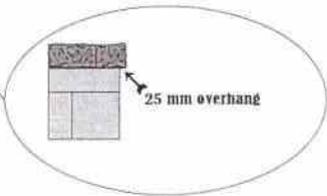
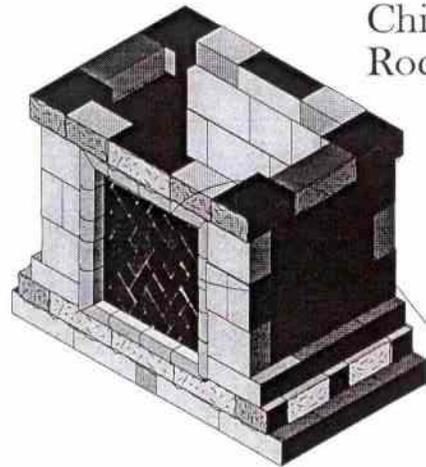
- 1) Cut concrete board to fit within framing
- 2) Slice front face off Copthorne to approximately 15 mm thick
- 3) Adhere slices to concrete board leaving 4 stones unattached.
- 4) Drill holes through concrete board where 4 missing stones are
- 5) After adhesive has cured hourly Trial fit into framing and mark location of the 4 holes.
- 6) Using manufacturers recommended bit size drill holes for lags.
- 7) Adhere concrete board to backing stone using lags as support until adhesive cures.
- 8) Adhere 4 pieces over heads of lags



Completed inlay

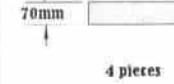
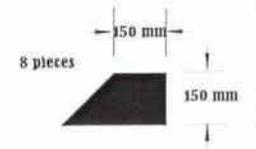
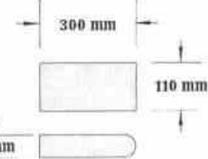
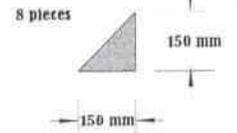


Chimney Layer 7  
Rock Faced

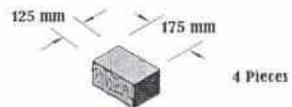
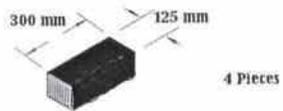


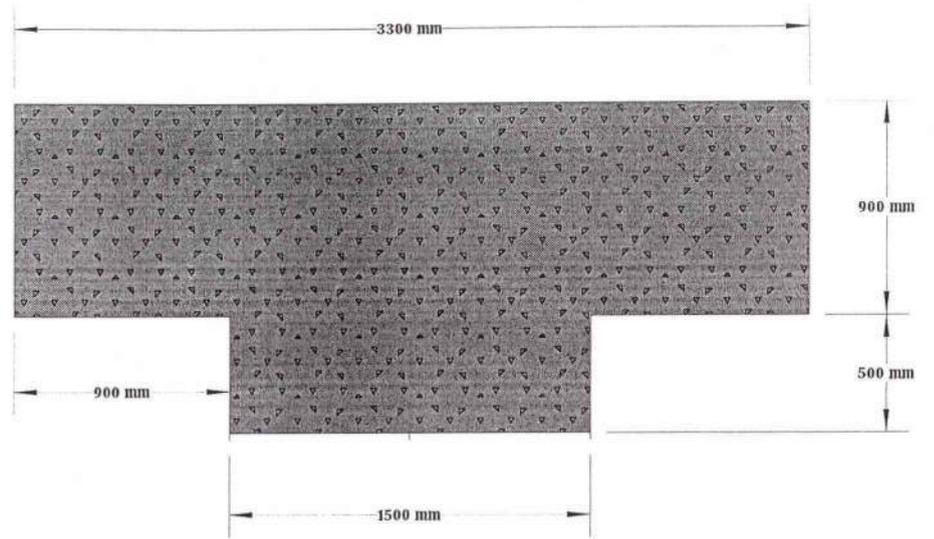
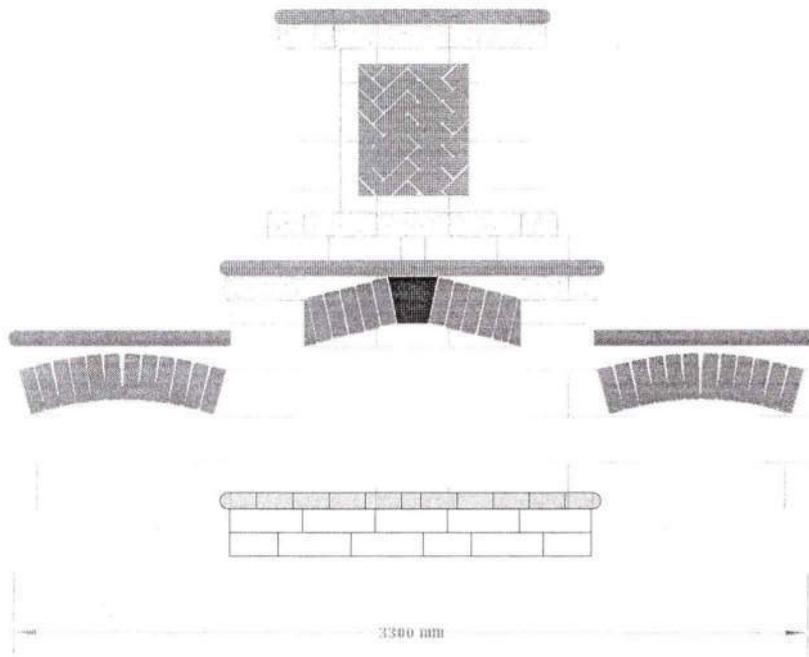
Coping Cut list

8 pieces Total  
4 at 150 mm width  
4 at 115 mm width

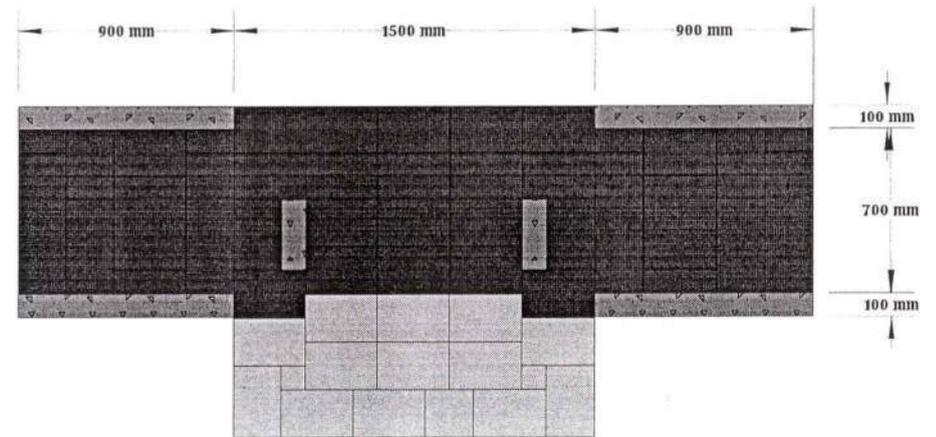


Rockface Cut list



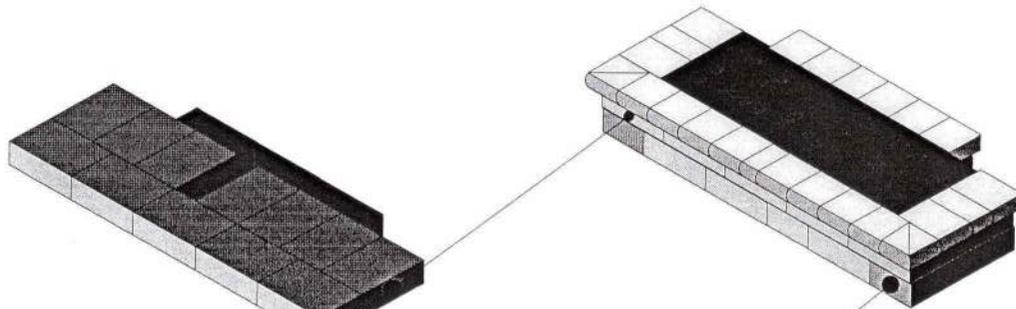
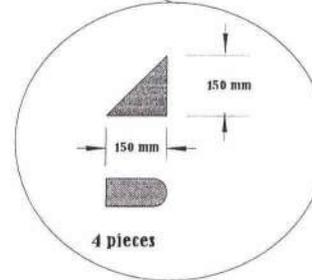
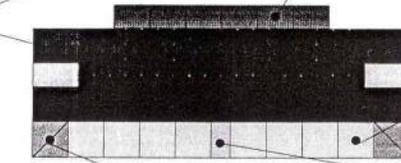
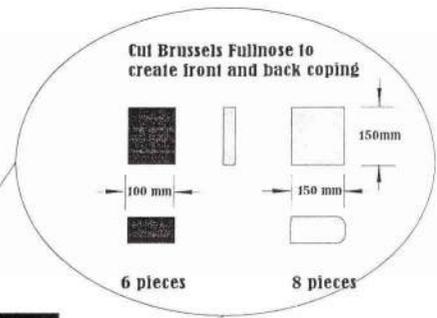
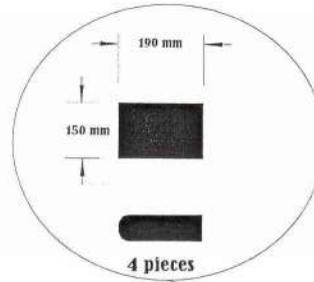
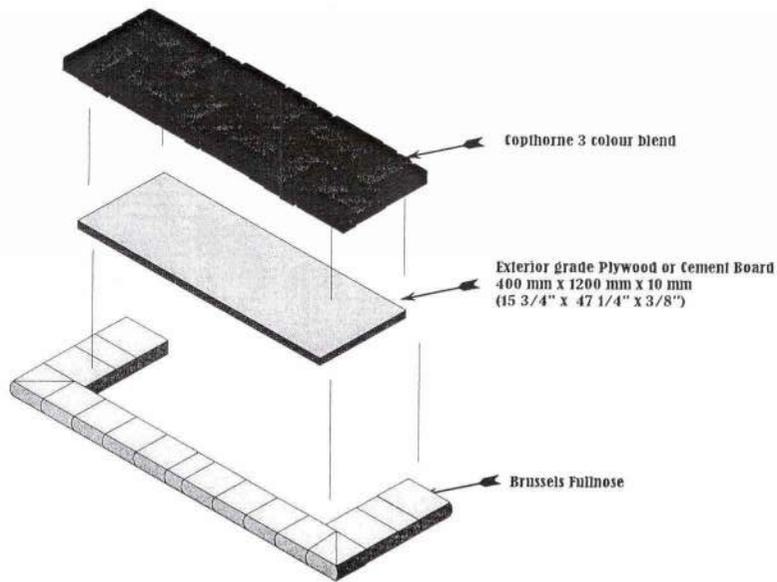


**Top View - Foundation layout Tuscany Fireplace, Woodbox and Hearth**

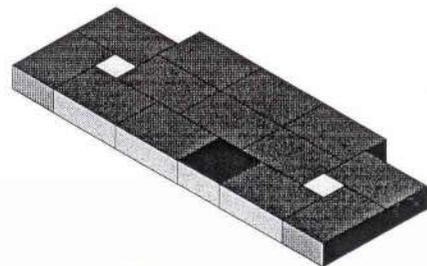


**Top View - Placement for the Tuscany Fireplace, Woodbox and Hearth**

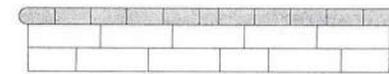
## The Tuscany Hearth



Second Layer



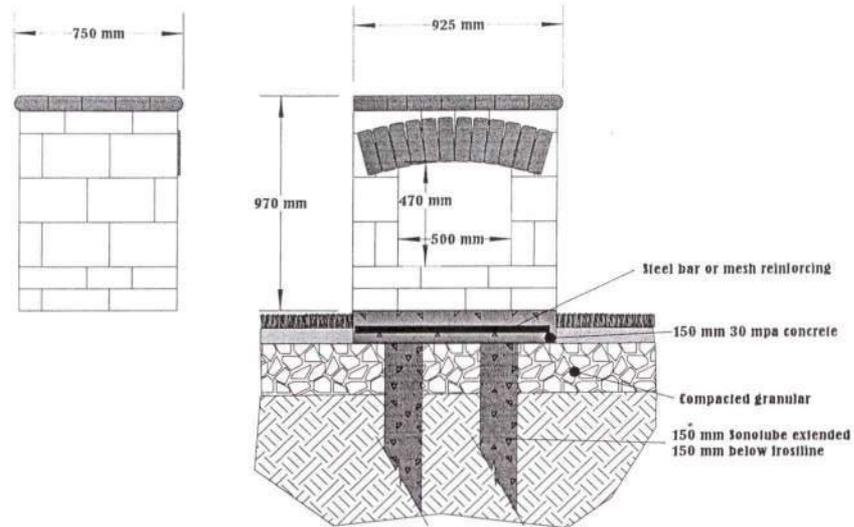
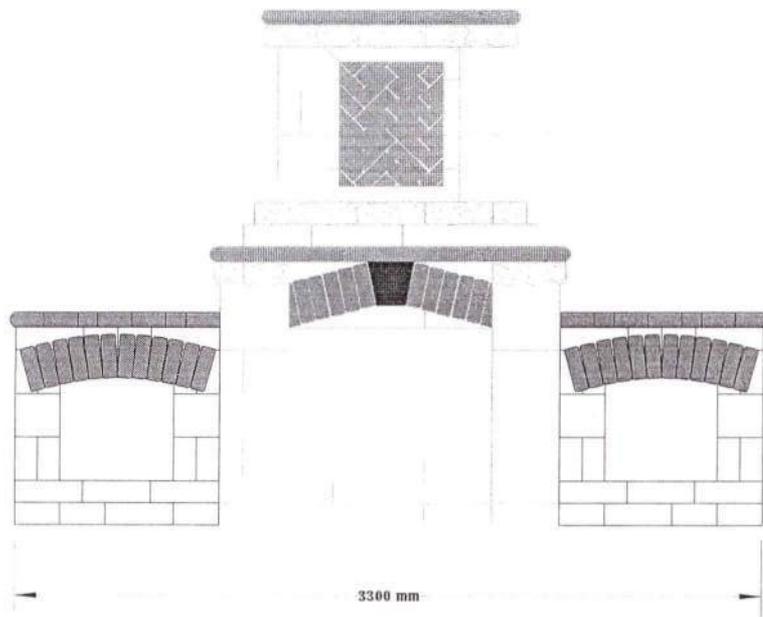
First layer



Front View

### Cut list for Hearth Brussels Dimensional

Cut	=		and			200 mm x 100 mm x 100 mm	2 pieces
Cut	=					200 mm x 200 mm x 100 mm	1 piece
						300 mm x 100 mm x 100 mm	4 pieces



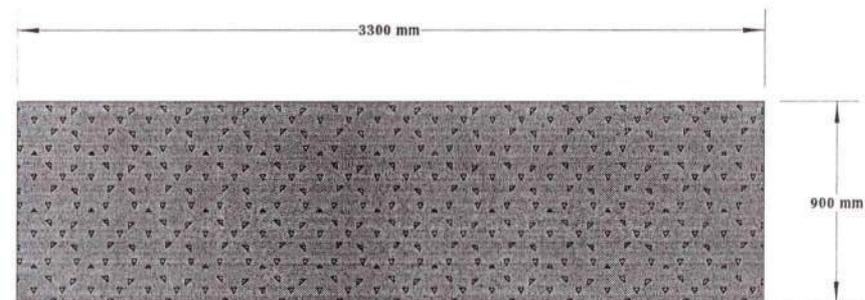
## The Tuscany Woodbox

The Tuscany Woodbox is intended to be used as an accent piece for the Tuscany Fireplace. It will also work as a stand alone piece for any landscape project. If it is to be used as a stand alone piece the Fullnose Coping layout number 2 will need to be used

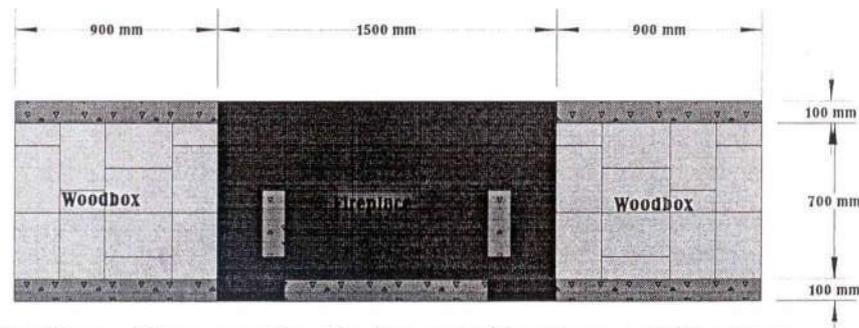
### Materials list - for the construction of 1 woodbox

Brussels Dimensinal - 55 pieces  
 Copthorne - 36 pieces  
 Fullnose Coping - 19 Pieces or 24 Pieces for stand alone

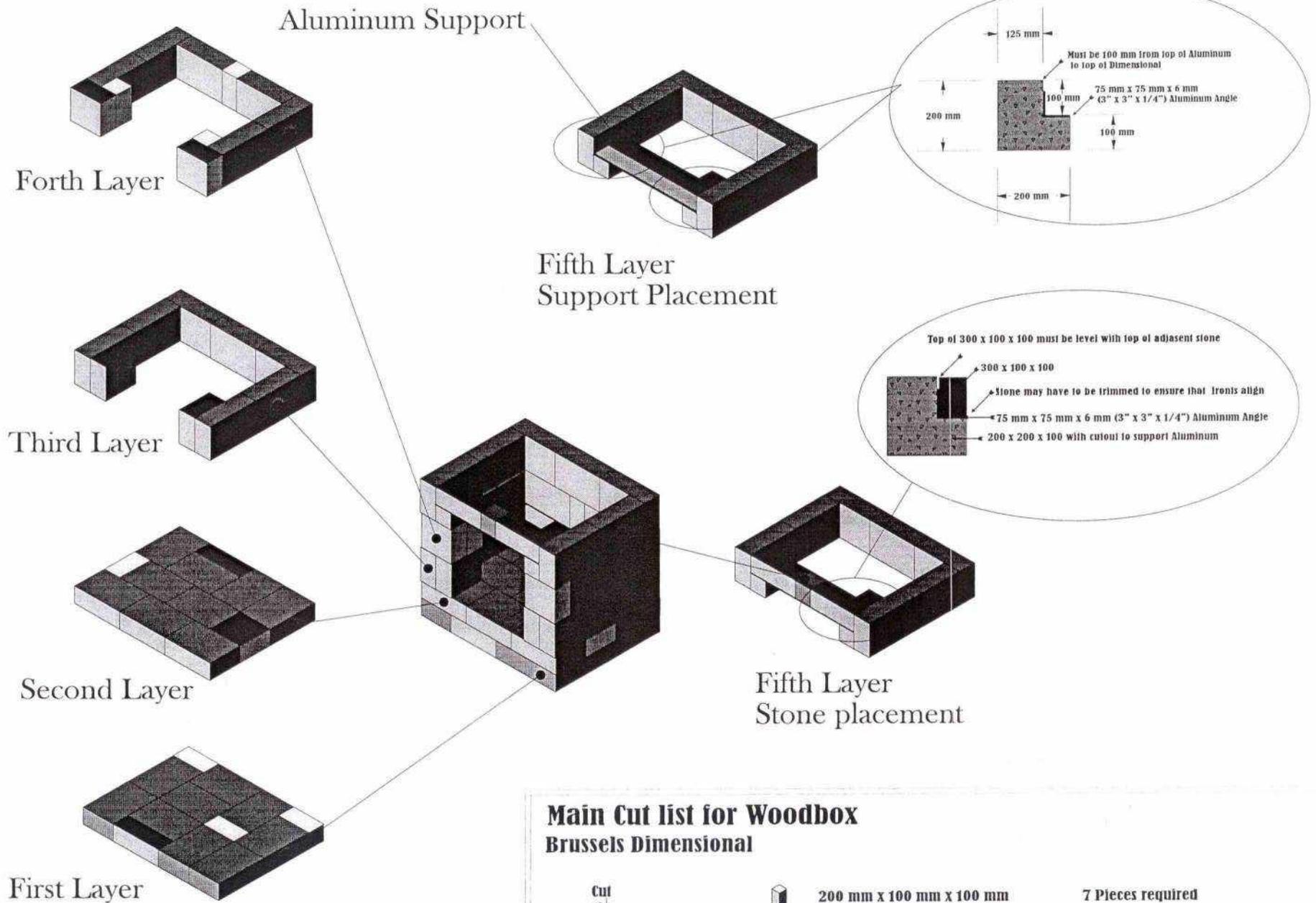
Estimated man-hours to construct - 15 man-hours



Top View - Foundation layout Tuscany Fireplace and Woodbox



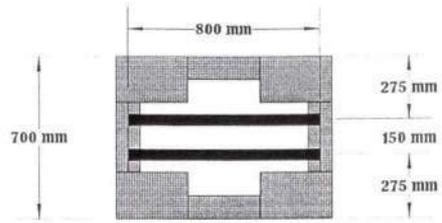
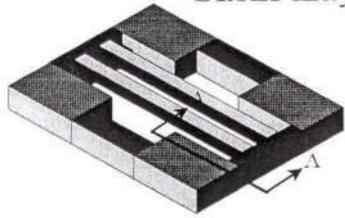
Top View - Placement for the Tuscany Fireplace and Woodbox



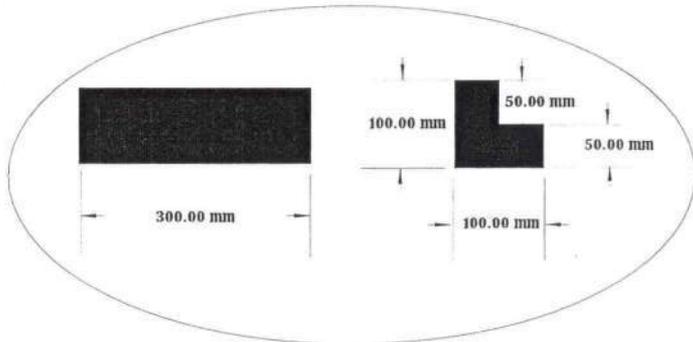
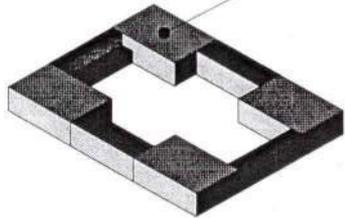
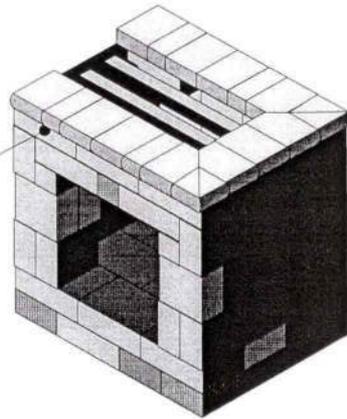
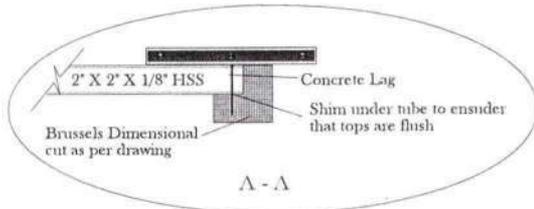
### Main Cut list for Woodbox Brussels Dimensional

Cut			200 mm x 100 mm x 100 mm	7 Pieces required
	=  and		200 mm x 200 mm x 100 mm	7 Pieces required
Cut			300 mm x 100 mm x 100 mm	6 Pieces required
	=  and			

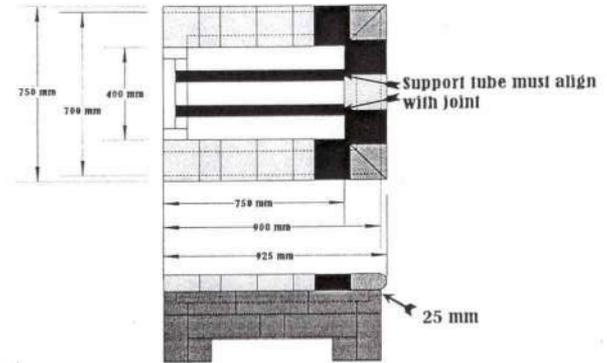
### Sixth Layer



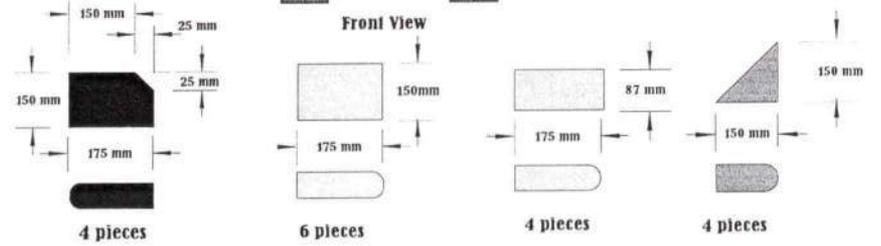
Top View



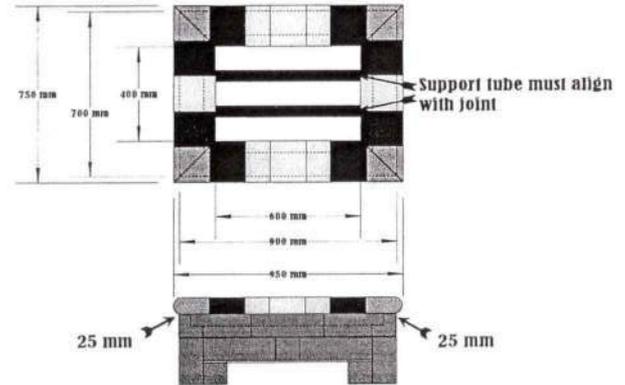
### Coping for wood box adjacent to fireplace



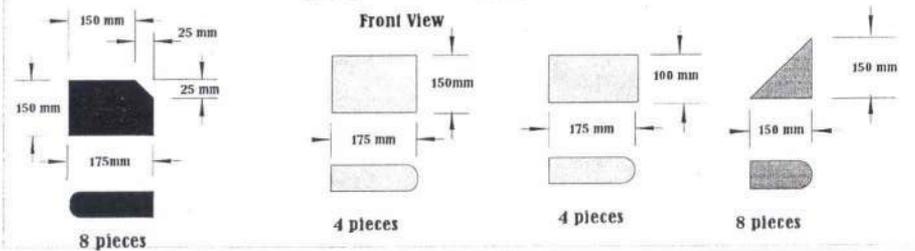
Front View



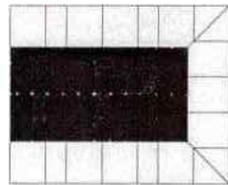
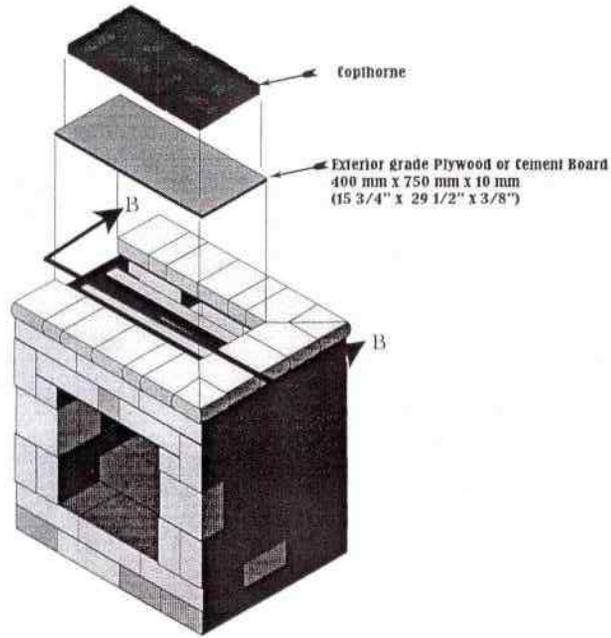
### Coping for stand alone wood box



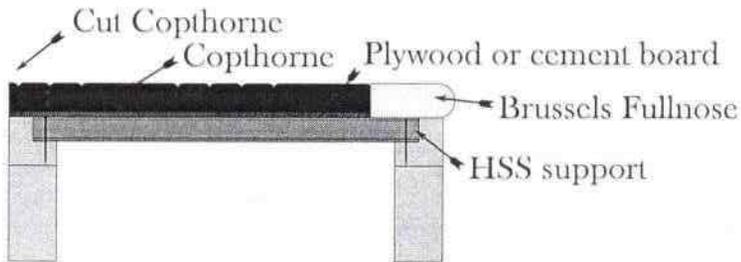
Front View



### Copthorne Top for woodbox

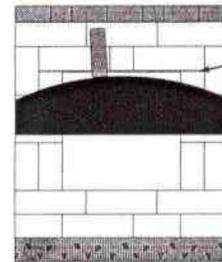
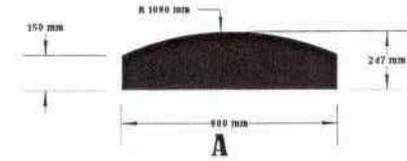


Top View  
Parquet Pattern

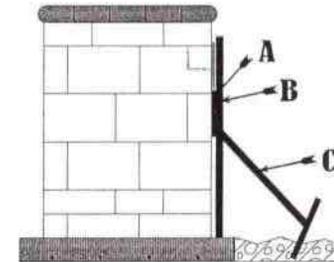
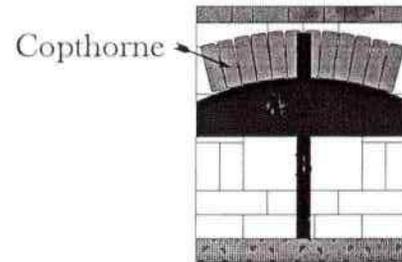


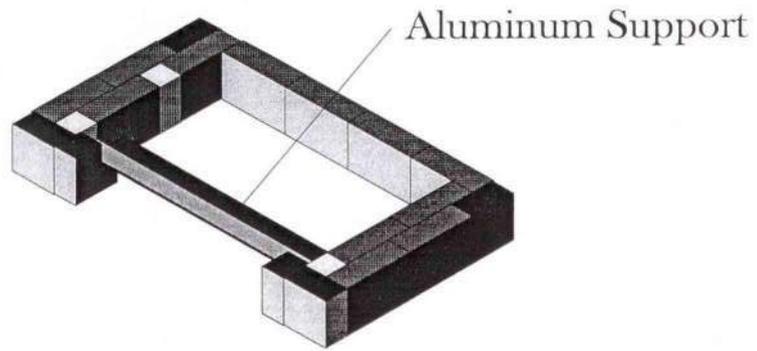
B - B

To create the arch above the doorway a piece of 20 mm plywood needs to be cut into the shape (A). It is then supported with a vertical piece of wood (B) and then braced (C) so that the support can not move. This will create a ledge to carry the stones until the adhesive cures.

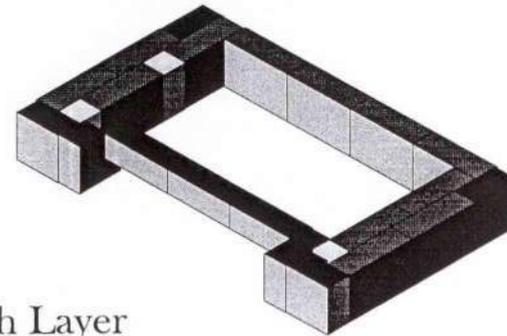


Place wood arch so that Copthorne will cover the front edge of angle support

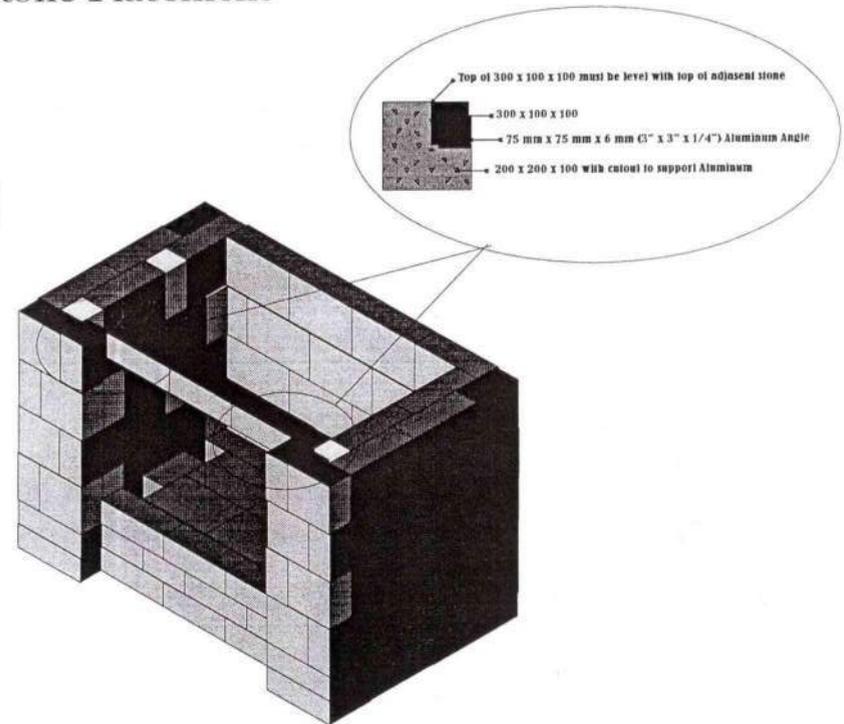
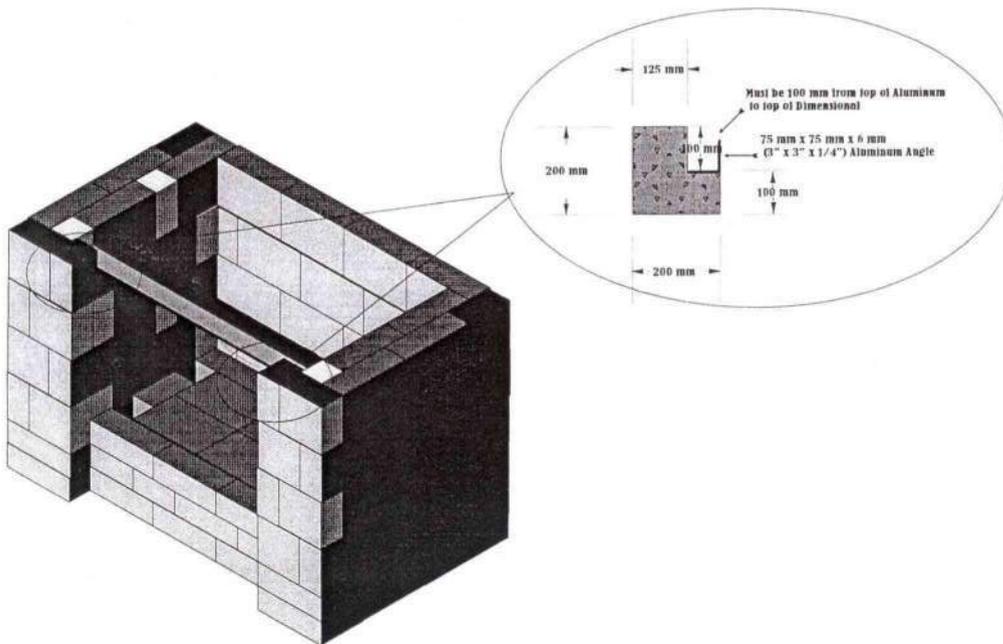


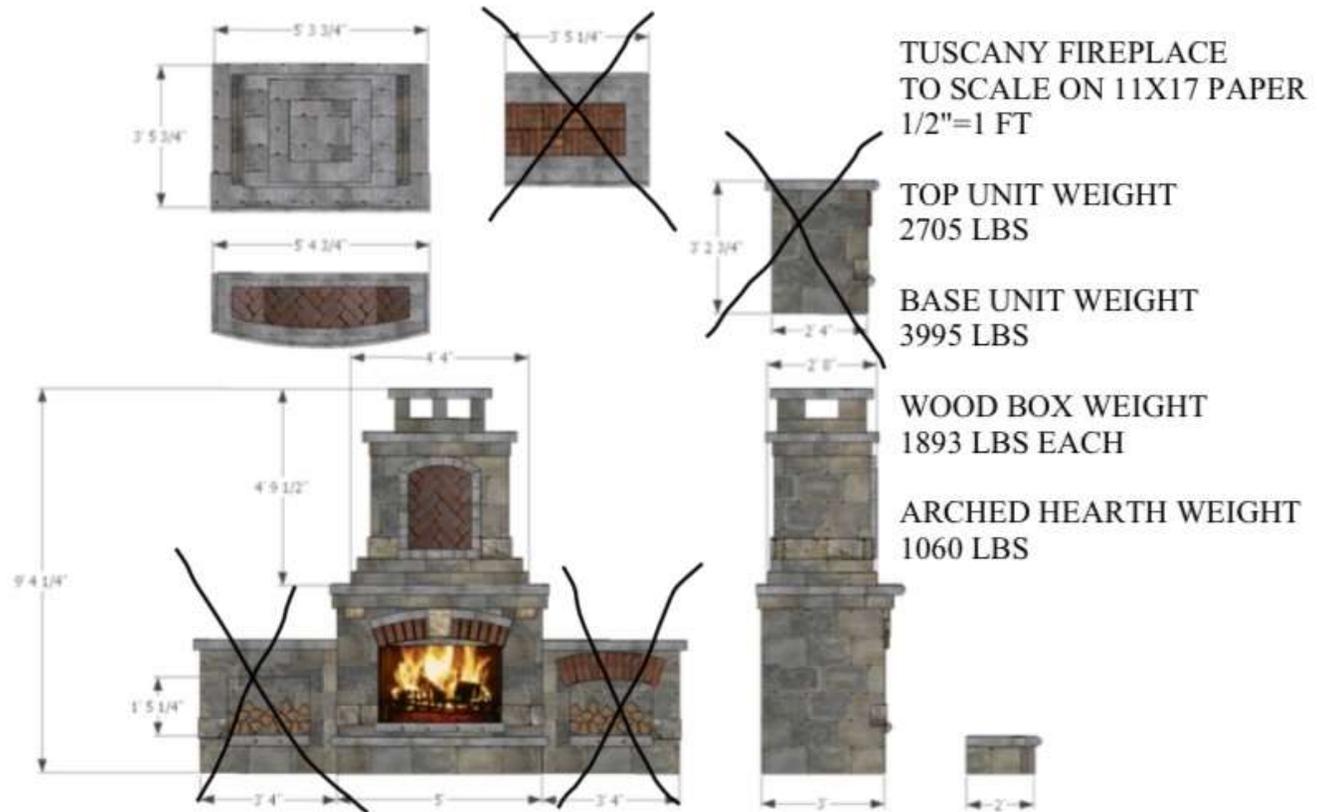


Sixth Layer - Support Placement



Sixth Layer  
Stone Placement





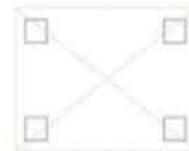
1 of 2

## Design a Vinyl or Composite Pavilion in 8 easy steps.

### 1 Choose a size

**Things to consider:**

How much space do you have available?  
Berlin Gardens pavilions are available in many sizes.  
Measure your available space keeping in mind both post and roof dimensions.  
Roof extends 17" past post positions.



**Victoria and Wellington Sizes**

Widths available:  
10', 12', 14', 16', 18', 20'  
Lengths available:  
10', 12', 14', 16', 18', 20', 24'

36" deep concrete footer for each post

### 2 Choose a site type

Concrete footers recommended.



Concrete



Paver Stone

Concrete footer should be installed prior to structure.



In-ground

### 3 Choose a beam style



Straight



Standard Arch

Victoria only.



Premier Arch

Victoria only.

### 4 Choose a color



White



Clay

Design a Vinyl or Composite Pavilion in 8 easy steps.

2 of 2 Choose a site type  
others recommended.



3 Choose a beam style

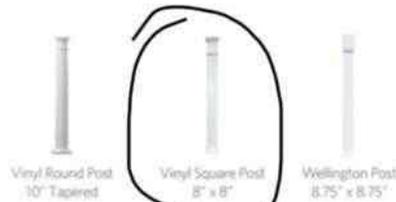


4 Choose a color



Design a Vinyl or Composite Pavilion in 8 easy steps.

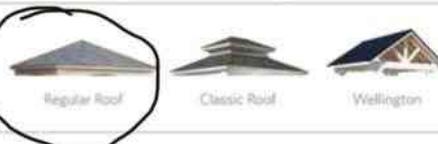
5 Choose a post style



6 Choose a ceiling style



7 Choose a roof style



8 Choose a roofing material





Brick material noted on front elevation.

Brick material noted on foundation.



Brick foundation material.



