



Walk Thru Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: _____

Permit No.: _____

Building Address: 2707 Hart Valley Drive
 City: Glenwood State: MD Zip Code: 21738
 Suite/Apt. #: _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: _____
 Section: _____ Area: _____ Lot: _____
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: _____

Property Owner's Name: Jana Trint
 Address: 2707 Hart Valley Drive
 City: Glenwood State: MD Zip Code: 21738
 Phone: 410 487 7543 Fax: _____
 Email: _____

Existing Use: _____
 Proposed Use: _____
 Estimated Construction Cost: \$ 13000.00
 Description of Work: Build 12x16 wood Pavilion

Applicant's Name & Mailing Address, (if other than stated herein)
 Applicant's Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Occupant or Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Contractor Company: W. H. Boyer
 Contact Person: KRUI GRONHOLM
 Address: 2745 Route 97
 City: Glenwood State: MD Zip Code: 21738
 License No.: MHIC 5109
 Phone: 410 832 8239 Fax: _____
 Email: _____

Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 st floor:	
	2 nd floor:	
Area of construction (sq. ft.):	Basement:	
	<input type="checkbox"/> Finished Basement	
Use group:	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
Construction type:	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:	
<input type="checkbox"/> Structural Steel	Multi-family Dwelling	
<input type="checkbox"/> Masonry	No. of efficiency units:	
<input type="checkbox"/> Wood Frame	No. of 1 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Roof:	
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities
Water Supply
<input type="checkbox"/> Public
<input checked="" type="checkbox"/> Private
Sewage Disposal
<input type="checkbox"/> Public
<input type="checkbox"/> Private
Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No
Heating System
<input type="checkbox"/> Electric <input type="checkbox"/> Oil
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas
<input type="checkbox"/> Other:
Sprinkler System:
<input type="checkbox"/> Yes <input type="checkbox"/> No
Grading Permit Number:
Building Shell Permit Number:

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Karenholm
 Email Address: Karenholm@whboyer.com
 Title/Company: Sales Manager

Print Name: KRUI GRONHOLM
 Date: 9/28/11

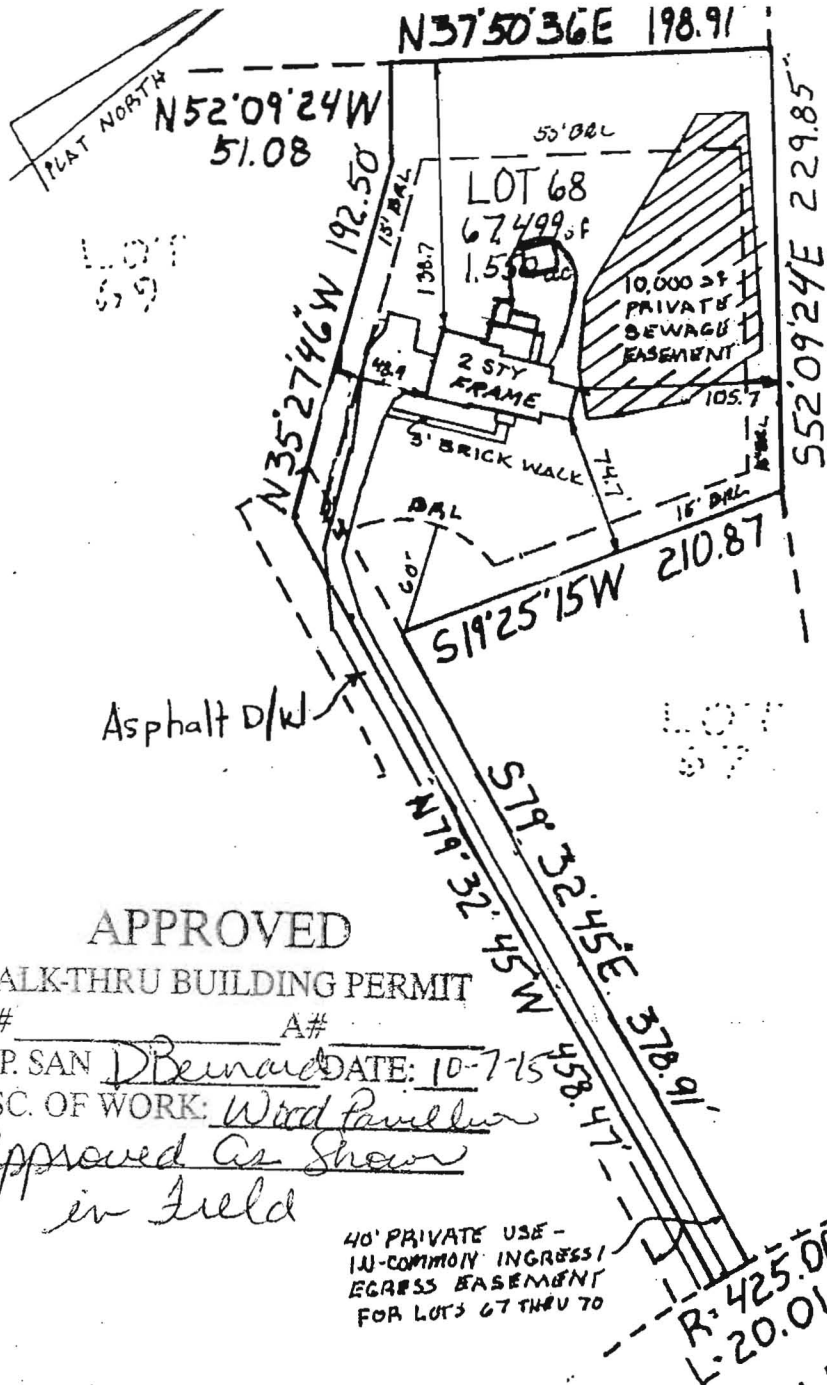
Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>10-2-11</u>	<u>Bernard</u>

Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION
Front: _____
Rear: _____
Side: _____
Side St.: _____
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone: _____
SDP/Red-line approval date: _____

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	#



HD 94
0810

APPROVED

WALK-THRU BUILDING PERMIT

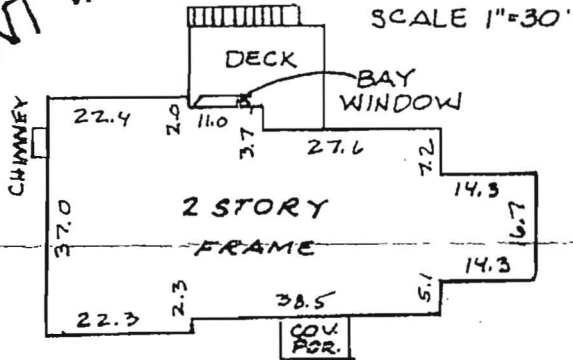
BP# _____ A# _____
APP. SAN D. Bernard DATE: 10-7-15

DESC. OF WORK: Wood Paneling
Approved As Shown
in Field

40' PRIVATE USE -
IN-COMMON INGRESS/
EGRESS EASEMENT
FOR LOTS 67 THRU 70

HUNT VALLEY DRIVE
R: 425.00
L: 20.01

TOP OF FOUNDATION
WALL ELEV. = 537.4'



SURVEYOR'S CERTIFICATE

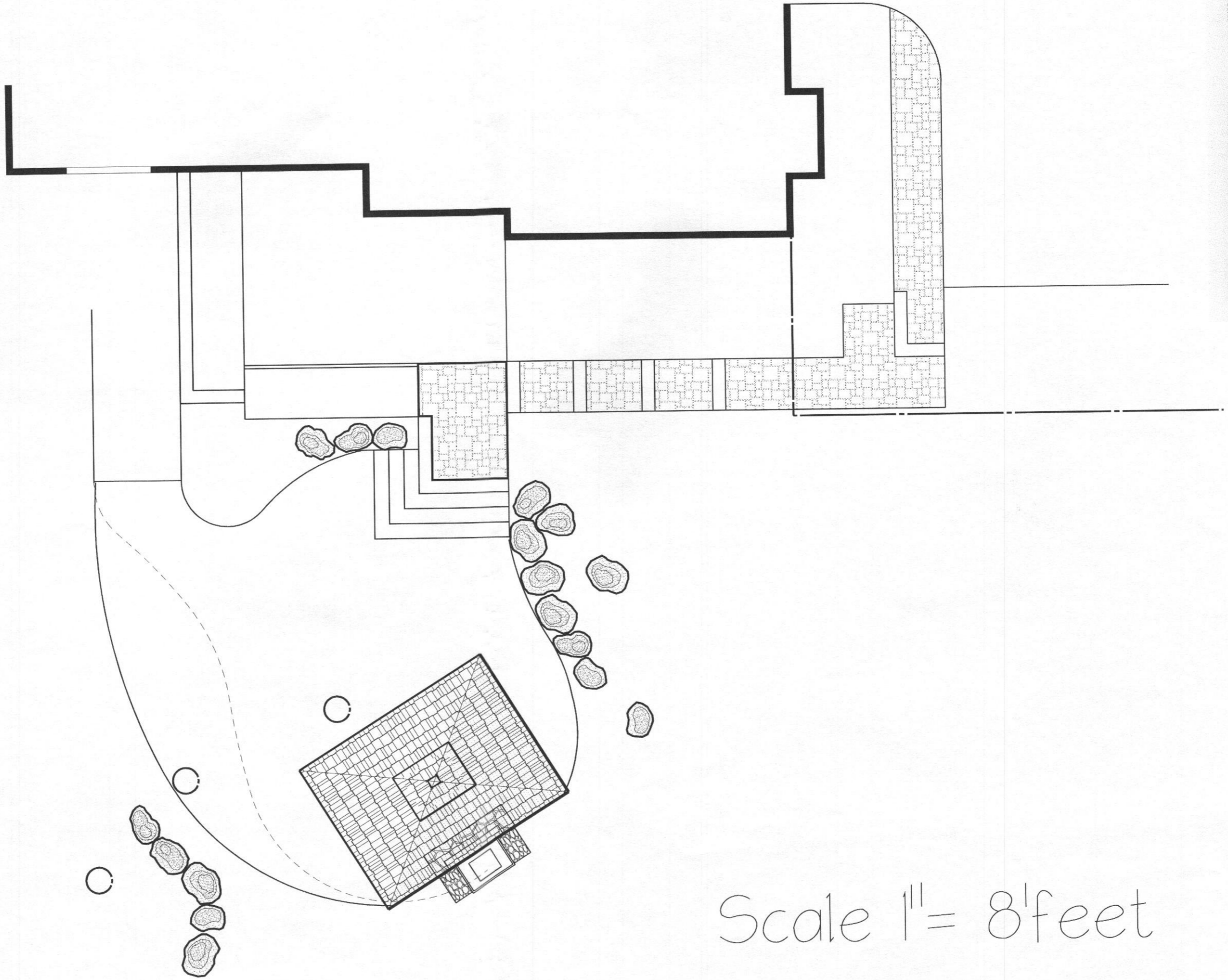
I HEREBY CERTIFY THAT THE LOCATION DRAWING SHOWN HEREON IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE IMPROVEMENTS HAVE BEEN LOCATED AS THE RESULT OF A FIELD SURVEY, AND THAT THERE ARE NO VISIBLE ENCROACHMENTS UNLESS SHOWN. THE PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARD AREA ON THE FEMA F.I.R.M. IDENTIFIED BELOW. AT THE WRITTEN REQUEST OF THE PURCHASER, NO PROPERTY CORNER MARKERS HAVE BEEN SET.

Peter J. Dare
PETER J. DARE
MD. PROPERTY SURVEYOR #224

12-12-96
FINAL



LOCATION DRAWING
WELLINGTON
SECTION TWO
AREA ONE



Scale 1" = 8' feet

SINCE
1960

W.H. BOYER, Inc.
LANDSCAPE SERVICES

2042 Route 07
Clementon, NJ 08218
Tel: (410) 442-2100
Web: (800) 854-0986
Fax: (410) 442-2046
www.w.hboyer.com

12'x16' Rectangle Wood Pavilion

DESIGN ENGINEER:



East: 22 Denver Road, Suite B Denver, PA 17517
717.335.2750 Fax: 717.335.2753

West: 206 S Main Street, PO Box 509 Kouts, IN 46347
219.766.2499 Fax: 219.766.2394

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Drawing Index

- Page 1 - Elevation, Post Layout Plan
- Page 2 - Roof Framing, Cross Section
- Page 3 - Details
- Page 4 - Details
- Page 5 - Details
- Page 6 - Details

GENERAL NOTES

All notes do not necessarily apply due to different requirements on each project. This plan is intended to reflect only the structural design of this building. The contractor shall review all applicable local, state, and federal building codes prior to the start of construction to ensure building conformance. Timber Tech Engineering, Inc. is not responsible for information pertaining to this project if not shown on drawings or listed below. Revisions to the plans shall be approved by engineer of record.

DESIGN REQUIREMENTS

1. Governing Code:
Including, not limited to: IBC 2009
2. Dead Loads:
 - A. Roof 5 psf
 - B. Floor n/a psf
 - C. Other n/a psf
3. Live Loads:
 - A. Roof (See also note #4) 30 psf
 - B. Floor n/a psf
 - C. Other n/a psf
4. Snow Loads:
 - A. Ground Snow (Pg) 45 psf
 - B. Flat Roof Snow (Pf) 30 psf
 - C. Snow Exposure Factor (Ce) 1.0
 - D. Snow Load Importance Factor (I) 0.8
 - E. Unbalanced Snow
 - i. Windward Roof 0 psf
 - ii. Leeward Roof 36 psf
5. Wind Load
 - A. Basic Wind Speed (V) 140 mph
 - B. Wind Load Importance Factor (I) .77
 - C. Wind Exposure Category C
 - D. Enclosure Category Open
 - E. Components and Cladding: +56 psf/-72 psf
6. Earthquake Design Data:
(Analysis based on equivalent lateral force procedure)
 - A. Spectral Response Acceleration at 1 sec, S 0.40
 - B. Spectral Response Acceleration at short periods, S 0.80
 - C. Seismic Occupancy Category 1
 - D. Occupancy Importance Factor, I 1.0
 - E. Site Class D
 - F. Seismic Design Category D
 - G. Basic Structural System
Cantilevered Column: Timber Frame
 - H. Response Modification Factor (R) 1.5
 - I. Deflection Amplification Factor (Cd) 1.5

ABBREVIATIONS

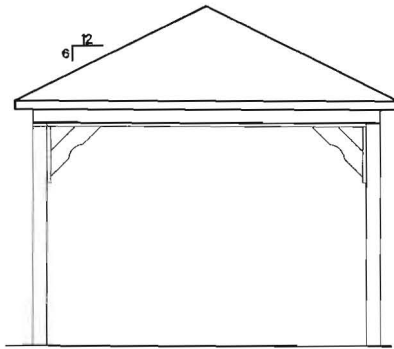
* at	ml	millimeter
bm. beam	min.	minimum
conc. concrete	nts	not to scale
cont. continuous	o/c	on center
dia. diameter	pcf	pounds per cubic foot
exist. existing	pl.	plywood
flr. floor	psf	pounds per square foot
ft. foot/feet	psi	pounds per square inch
ga. gauge	req'd.	required
hdw. hardware	s.s	stainless steel
hdr. header	stl.	steel
jst. joist	thk.	thick
kai kips per square inch	trd.	treated
lbs. pounds	typ.	typical
max. maximum	w/	with
	mfr.	manufacturer

WOOD

1. General Requirements
 - A. Structural wood members and connections shall be of sufficient size or capacity to carry all design loads without exceeding the allowable design values specified in 'The National Design Specification for Wood Construction' (NDS), 2005 edition, and its 'Supplement' by the American Forest and Paper Association (AF+PA).
 - B. Wood members used for load supporting purposes shall have the grade mark of a lumber grading agency certified by the American Lumber Standards Committee.
2. Dimension Lumber
 - A. All lumber species, graded visually or mechanically, shall comply with the NDS by AF+PA, and the 'American Softwood Lumber Standard' (PS 20-94) by the U.S. Department of Commerce.
 - B. The minimum grade and species for posts, beams, headers, and other primary structural members shall be Dense Select Structural Southern Pine, unless specified otherwise.
 - C. Lumber used for secondary framing shall be #1 Southern Yellow Pine (SYP) or better.
 - D. Post frame headers shall be two-span continuous beams with all multiple ply headers overlapping so that the butt joints for each ply do not occur at the same post.
 - E. Mechanically laminated columns shall conform with ANSI/ASAE EP 559.
3. Pressure Preservative Treatment (PFT)
 - A. Pressure treatment to be performed according to the American Wood Preservers' Association (AWPA) standards.
 - B. Pressure treated members shall have the inspection mark of an agency accredited by the American Lumber Standards Committee.
 - C. Preservatives: Ammonia Copper Quaternary ammonia (ACQ) or Copper Boron Azole (CBA)
 - D. Minimum waterborne treatment retention shall be 0.4 pcf for members above ground, and 0.6 pcf for members in contact with earth.
- E. Treat indicated items and the following:
 - 1. Wood members exposed to weather or insect infestation.
 - 2. Wood members in direct contact with earth or concrete.
 - 3. Wood members exposed to high moisture content (>19% for dimension lumber, >16% for glued laminated timber).
 - 4. Wood members less than 12 inches above grade.
 - F. Field treat newly exposed wood where cutting, drilling or notching pressure treated lumber.
 - G. Metal connectors used in treated wood shall be hot-dip galvanized as per ASTM A153-01a.
4. Connections shall be designed and constructed according to the NDS by AF+PA and shall conform to the following:
 - A. The minimum connection shall be two 12 penny nails, or as detailed on the drawings.
 - B. Other connections as per standard construction practice.

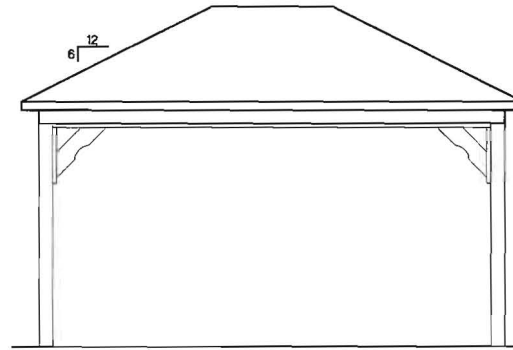
Design Reaction Chart

Max. Moment in column	1575 lb-ft.
Max. uplift at column base	700 lb
Max. downward force at column base	2000 lb
Max. shear at column base	250 lb



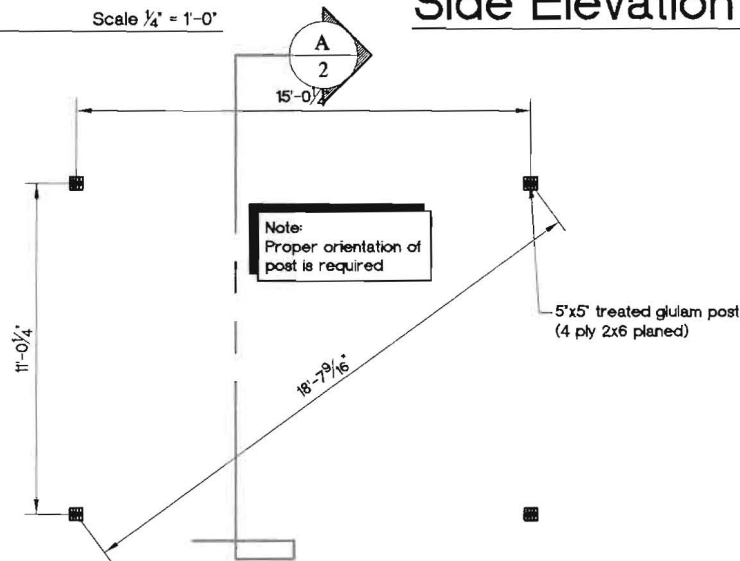
End Elevation

Scale $\frac{1}{4}'' = 1'-0''$



Side Elevation

Scale $\frac{1}{4}'' = 1'-0''$



Post Layout Plan

Scale $\frac{1}{4}'' = 1'-0''$



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CONTRACTOR:
Country Lane Woodworking
81 Jahn Drive
New Holland, PA 17557
PH: (717) 351-9250

DRAWING TITLE:
Elevations
Post Layout Plan

PROJECT:
Standard Drawings for a 12'x16'
Wood Rectangle Pavilion

REVISIONS	DATE	BY
DRAWING NUMBER	E262-10	
DATE	2/10/2011	SHEET 1 of 6
BY	lms	SCALE Noted



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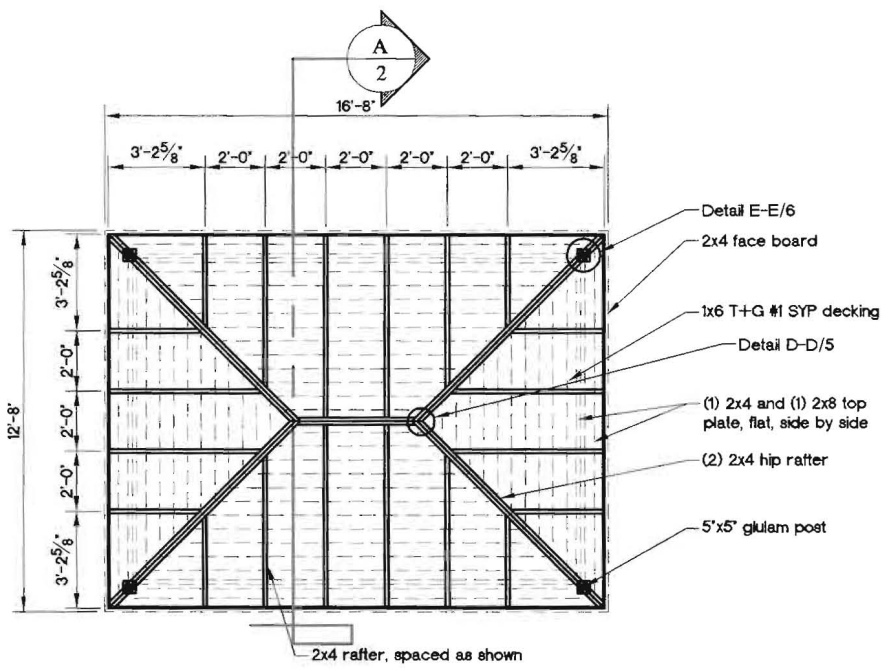
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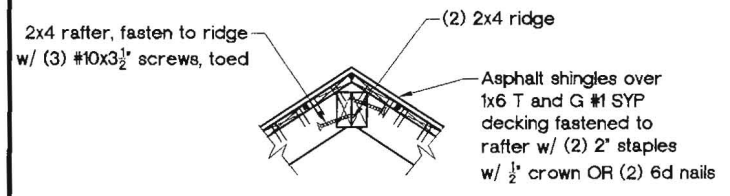
DRAWING TITLE:
 Roof Framing Plan
 Cross Section A/2
 Detail A-A/2

PROJECT:
 Standard Drawings for a 12'x16'
 Wood Rectangle Pavilion

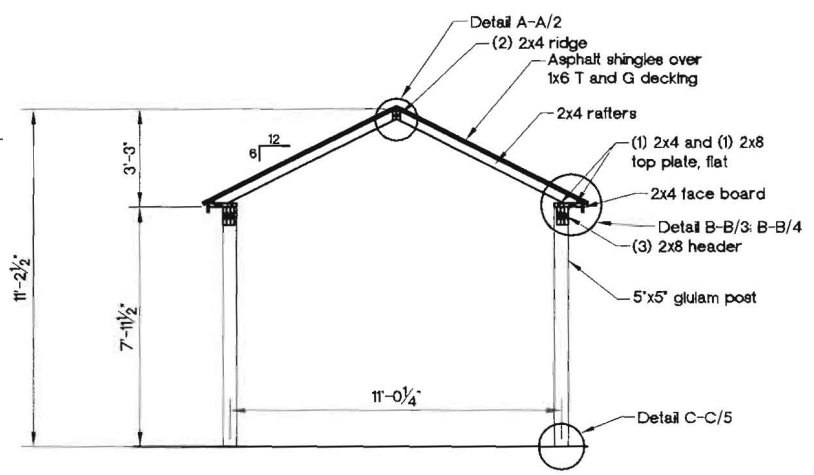
REVISION	DATE	BY
DRAWING NUMBER		
E-282-10		
DATE		PAGES
2/10/2011		2 of 6
BY		SCALE
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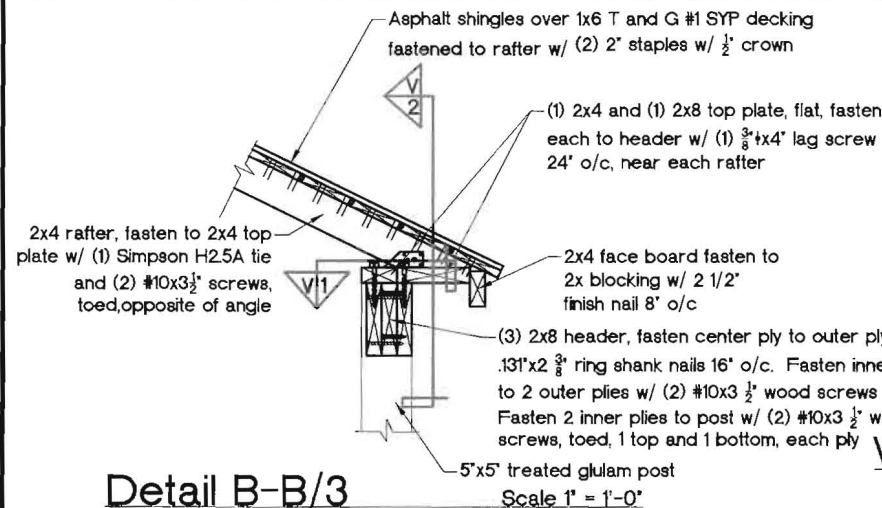
Roof Framing Plan Scale 1/4" = 1'-0"



Detail A-A/2
 Typical Single Rafter Scale 1" = 1'-0"

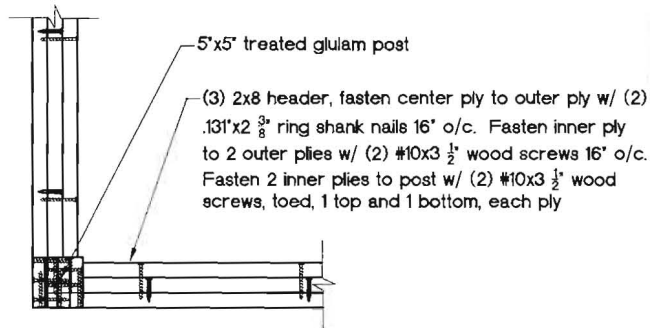


Cross Section A/2 Scale 1/4" = 1'-0"



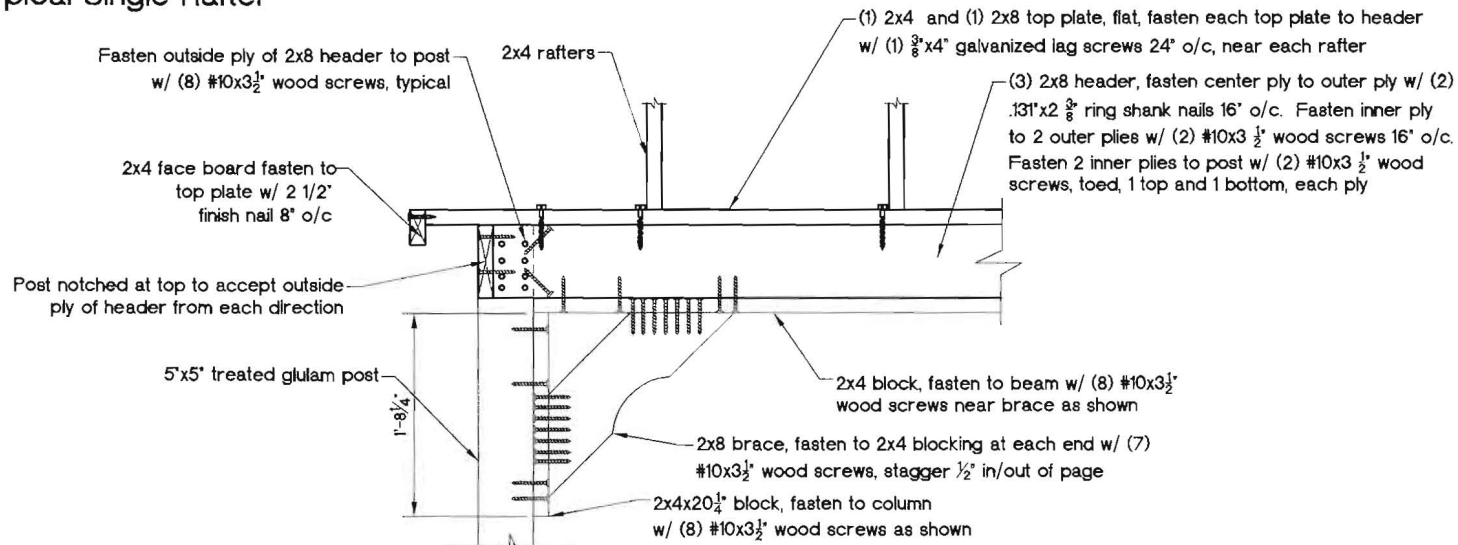
Detail B-B/3
Typical Single Rafter

Scale 1" = 1'-0"



View 1 Detail B-B/3

Scale 1" = 1'-0"



View 2 Detail B-B/3

Scale 1" = 1'-0"


 timbertech
 ENGINEERING

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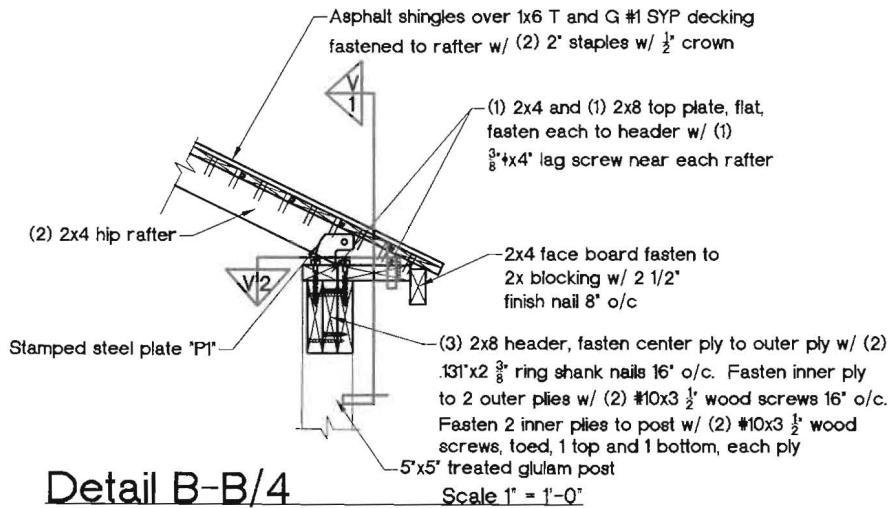
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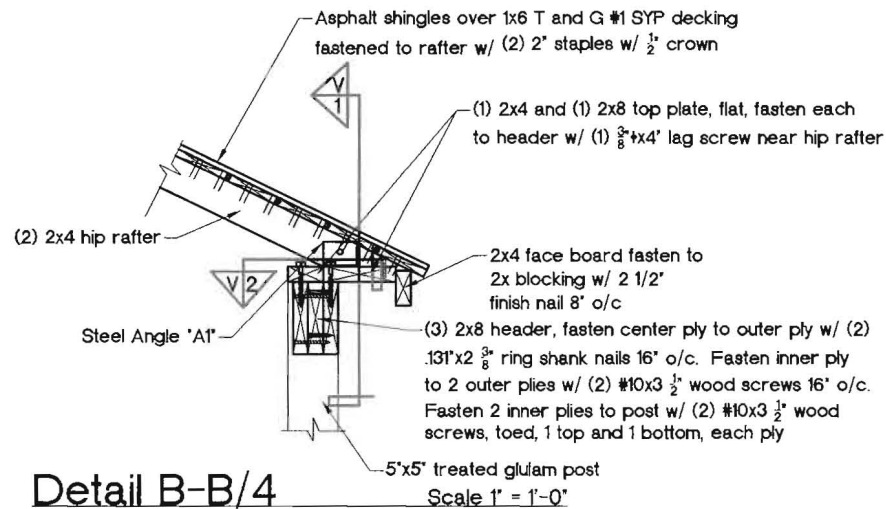
DRAWING TITLE:
Detail B-B/3

PROJECT:
Standard Drawings for a 12'x16'
Wood Rectangle Pavilion

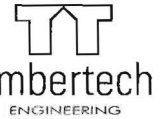
REVISION:	DATE:	BY:
DRAWING NUMBER: E282-10		
DATE: 2/10/2011	PAGE: 3 of 6	SCALE: Noted



Detail B-B/4
Hip Rafter Connection
Option 1



Detail B-B/4
Hip Rafter Connection
Option 2



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DRAWING TITLE:
Detail B-B/4 option 1
Detail B-B/4 option 2

PROJECT:
Standard Drawings for a 12'x16'
Wood Rectangle Pavilion

REVISIONS	DATE	BY
DRAWING NUMBER E282-10		
DATE 2/10/2011	PAGE 4 of 6	
BY kms	SCALE Noted	

