



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: 13772 Wye River Hc36
City: DanFon State: MD Zip Code: 21036
Suite/Apt. #: _____ SDP/WP/BA #: _____
Subdivision: Castleberry at Ten Oaks
Lot: 5 Tax Map: _____ Parcel: _____

Existing Use: Residential
Proposed Use: Build Pavillion
Estimated Construction Cost: \$ 12,000
Description of Work: 16x20 Pavillion

Occupant/Tenant Name: Aaron Vernon
Was tenant space previously occupied? ☐ Yes ☒ No
Contact Name: Mario GORTON
Address: 10475 Route 108
City: Columbia State: MD Zip Code: 21044
Phone: 410-417-1046 Fax: _____
Email: gortond@aht.net

Commercial Building Characteristics	Residential Building Characteristics
Height:	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> Masonry	No. of efficiency units:
<input checked="" 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: <u>NA</u>
	Dimensions:
► Roadside Tree Project Permit	Footings:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Property Owner's Name: Aaron Vernon
Address: 13772 Wye River
City: DanFon State: _____ Zip Code: 21036
Phone: 240-372-6470 Fax: _____
Email: _____

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

Contractor Company: Mario GORTON
Contact Person: Mario GORTON
Address: 10475 State Rt 108
City: Columbia State: MD Zip Code: 21044
License No.: 76076
Phone: 410-417-9622 Fax: _____
Email: gortond@aht.net

Engineer/Architect Company: John Stoltzfus
Responsible Design Prof.: John Stoltzfus
Address: 191 Jahn Drive
City: New Holland State: PA Zip Code: 17557
Phone: 717-351-9250 Fax: 717-351-9246
Email: john@r-gazette.com

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

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: gortond@aht.net
Email Address: gortond@aht.net
Title/Company: Green Angels Landscaping LLC

Print Name: MARIO GORTON
Date: 8/11/2018

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		

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	#

Distribution of Copies: White: Building Officials

Green: PSZA,Zoning

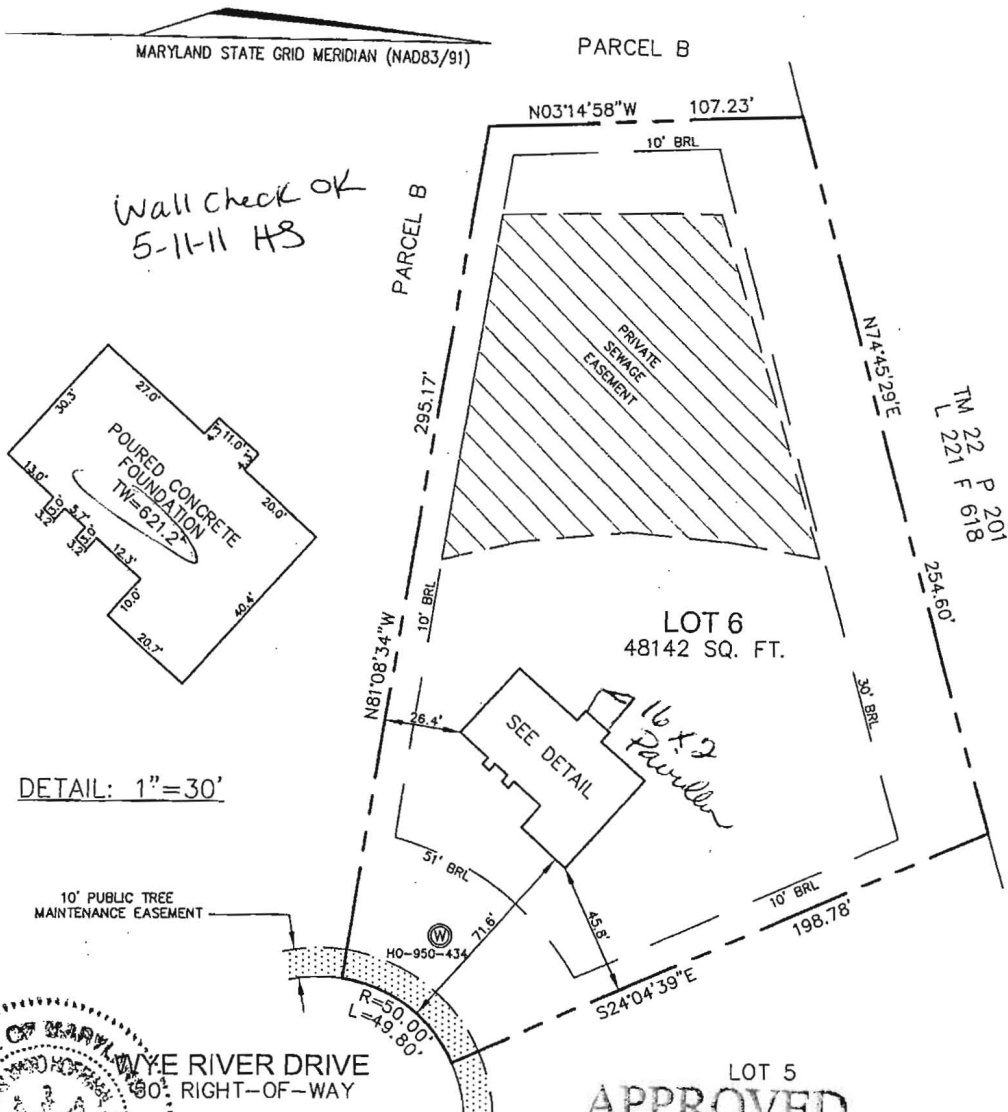
Yellow: PSZA,Engineering

Pink: Health

Gold: SHA

Deposited to County 4/23/11

~~WVHS~~ CBG



I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

Thomas M. Hoffmann Jr. 4-26-11
THOMAS M. HOFFMAN JR., PROPERTY LINE SURVEYOR #267 DATE

THIS WALL CHECK DRAWING CONTAINS A HORIZONTAL TOLERANCE IN ACCURACY OF 0.1' AND A VERTICAL TOLERANCE IN ACCURACY OF 0.2'

APPROVED
WALK-THRU BUILDING PERMIT
BP# _____ A# _____
APP. SAN *Deenard* DATE: *8-14-18*
DESC. OF WORK: *16x30 Pergola*
Approved B.P.# B10003888
13722 WYE RIVER DRIVE

SCALE 1"= 50'	DATE 04/19/11	ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS - SURVEYORS - PLANNERS 8407 MAIN STREET ELLCOTT CITY, MARYLAND 21043 TEL:410-461-7666 FAX:410-461-8961	WALL CHECK DRAWING LOT 6 CASTLEBERRY AT TEN OAKS PLAT No. 19098 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DRAWN BY A.M.S.	CHECKED BY T.M.H.		
PLAT NUMBER 19096-19109	JOB NUMBER 00-85.00		

16'x20' Rectangle PVC Pavilion

This drawing is the property of Country Lane Woodworking, LLC, provided by Timber Tech Engineering, Inc. and reproduction, alteration or use of this drawing without the written consent of Country Lane Woodworking, LLC is prohibited. Drawings shall not be scaled to obtain dimensions. The contractors and builders involved on this project shall verify all dimensions and conditions before starting work and any discrepancy shall be reported to the engineer in writing before starting work.

Drawing Index

Page 1 - Elevations
Page 2 - Post Layout Plan
Page 3 - Roof Framing
Page 4 - Cross Section, Details
Page 5 - Page 9 - Details
Page 10 - Column Nail Schedule

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

- Governing Code:
Including, not limited to: IBC 2009
- Dead Loads:
 - Roof 5 psf
 - Floor n/a psf
 - Other n/a psf
- Live Loads:
 - Roof (See also note #4) 30 psf
 - Floor n/a psf
 - Other n/a psf
- Snow Loads:
 - Ground Snow (Pg) 45 psf
 - Flat Roof Snow (Pf) 38 psf
 - Snow Exposure Factor (Ce) 1.0
 - Snow Load Importance Factor (I) 1.0
 - Unbalanced Snow
 - Windward Roof 0 psf
 - Leeward Roof 45 psf
- Wind Load
 - Basic Wind Speed (V) 140 mph
 - Wind Load Importance Factor (I) 1.0
 - Wind Exposure Category C
 - Enclosure Category Open
 - Components and Cladding: +72 psf/-94 psf
- Earthquake Design Data:
(Analysis based on equivalent lateral force procedure)
 - Spectral Response Acceleration at 1 sec, S 0.15
 - Spectral Response Acceleration at short periods, S 0.30
 - Seismic Use Group 1
 - Occupancy Importance Factor, I 1.0
 - Site Class D
 - Basic Structural System
Cantilevered Column Timber Frame
 - Response Modification Factor (R) 1.5
 - Deflection Amplification Factor (Cd) 1.5

ABBREVIATIONS

at	at	mm	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	ply	plywood
fir.	floor	psf	pounds per square foot
ft.	foot/feet	psf	pounds per square inch
ga.	gauge	req'd	required
hdw.	hardware	s.s.	stainless steel
hdr.	header	stl.	steel
jst.	joist	thk.	thick
ksi	kips per square inch	trd.	treated
lbs.	pounds	typ.	typical
max.	maximum	w/	with
		mfr.	manufacturer

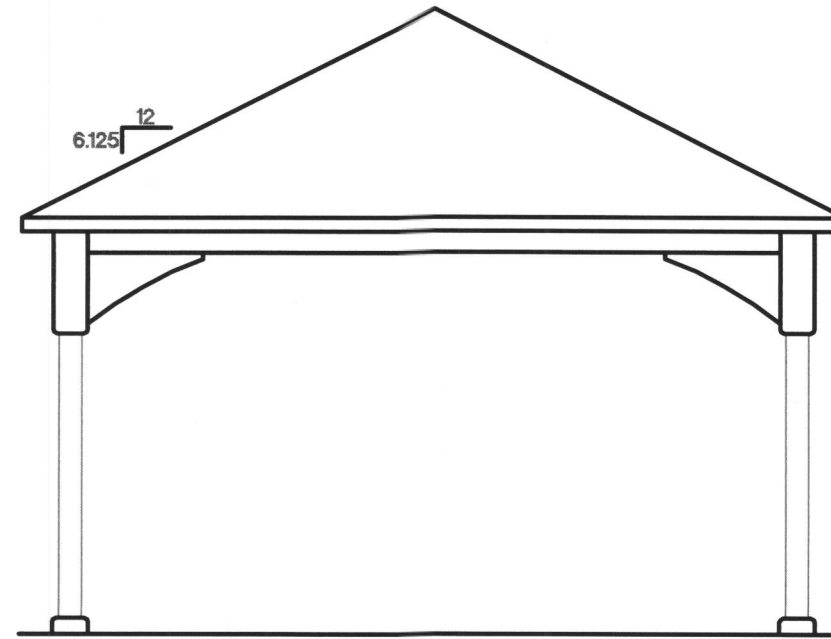
WOOD

- General Requirements
 - 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).
 - Wood members used for load supporting purposes shall have the grade mark of a lumber grading agency certified by the American Lumber Standards Committee.
- Dimension Lumber
 - 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.
 - The minimum grade and species for posts, beams, headers, and other primary structural members shall be Dense Select Structural Southern Pine, unless specified otherwise.
 - Lumber used for secondary framing shall be #1 Southern Yellow Pine (SYP) or better.
 - 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.
 - Mechanically laminated columns shall conform with ANSI/ASAE EP 559.
- Pressure Preservative Treatment (PPT)
 - Pressure treatment to be performed according to the American Wood Preservers' Association (AWPA) standards.
 - Pressure treated members shall have the inspection mark of an agency accredited by the American Lumber Standards Committee.
 - Preservative: Ammonia Copper Quaternary ammonia (ACQ) or Copper Boron Azole (CBA)
 - Minimum waterborne treatment retention shall be 0.4 pcf for members above ground, and 0.6 pcf for members in contact with earth.
 - Treat indicated items and the following:
 - Wood members exposed to weather or insect infestation.
 - Wood members in direct contact with earth or concrete.
 - Wood members exposed to high moisture content (>19% for dimension lumber, >16% for glued laminated timber).
 - Wood members less than 12 inches above grade.
 - Field treat newly exposed wood where cutting, drilling or notching pressure treated lumber.
 - Metal connectors used in treated wood shall be hot-dip galvanized as per ASTM A153-01a.
- Connections shall be designed and constructed according to the NDS by AF+PA and shall conform to the following:
 - The minimum connection shall be two 12 penny nails, or as detailed on the drawings.
 - Other connections as per standard construction practice.

Polyvinyl Chloride Compound (PVC)

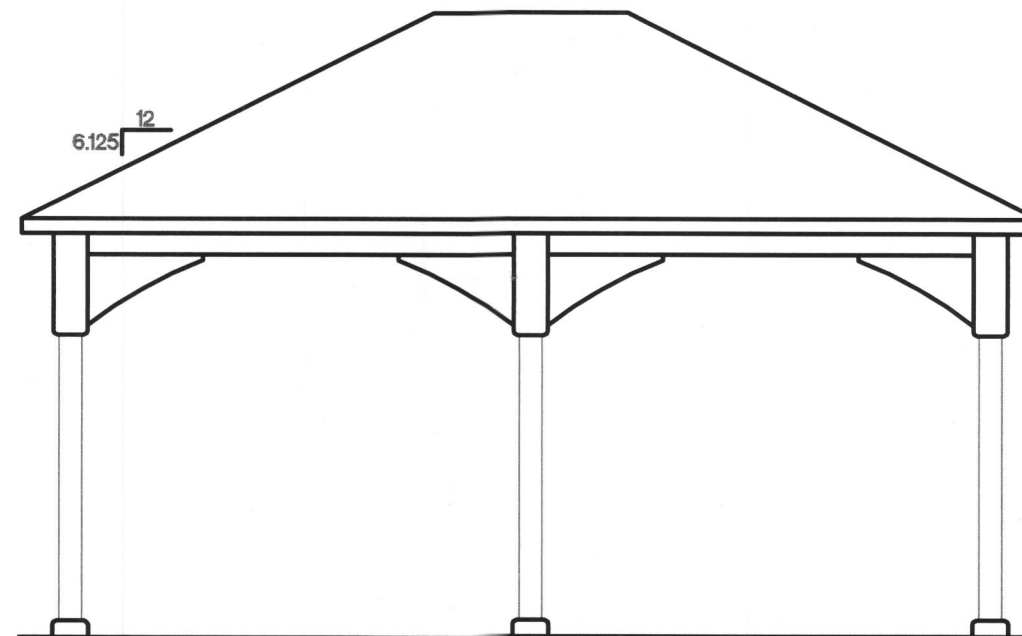
- General Requirements
 - PVC sleeve material used to wrap wood members to be supplied according to Certainfeed corporation specifications or equivalent.
 - PVC sleeve material to be 0.160" thick for posts, and 0.105" thick for other structural members

Design Reaction Chart	
Max. Moment in column	4400 lb-ft.
Max. uplift at column base	2200 lb
Max. downward force at column base	4625 lb
Max. shear at column base	575 lb



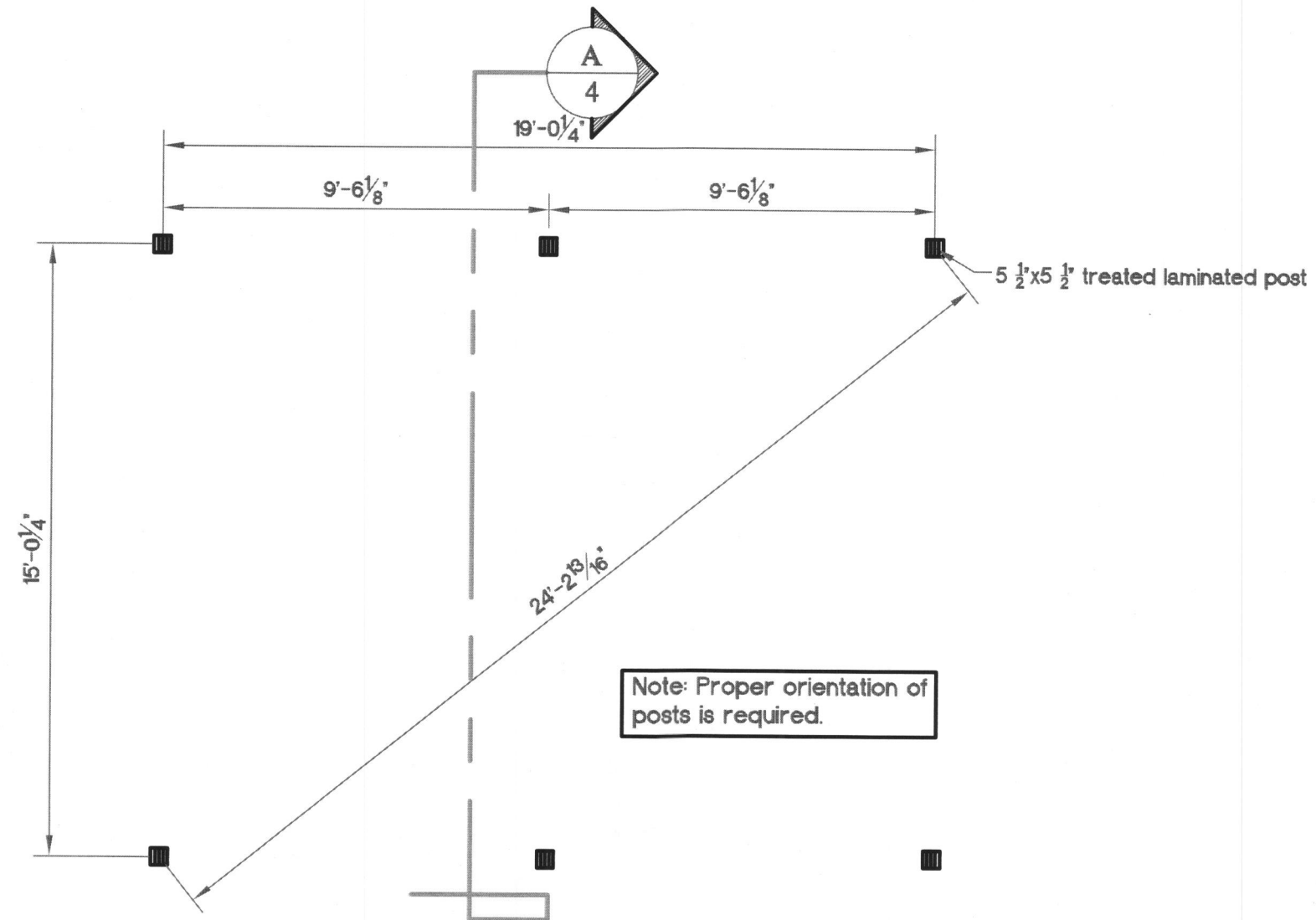
End Elevation

NTS



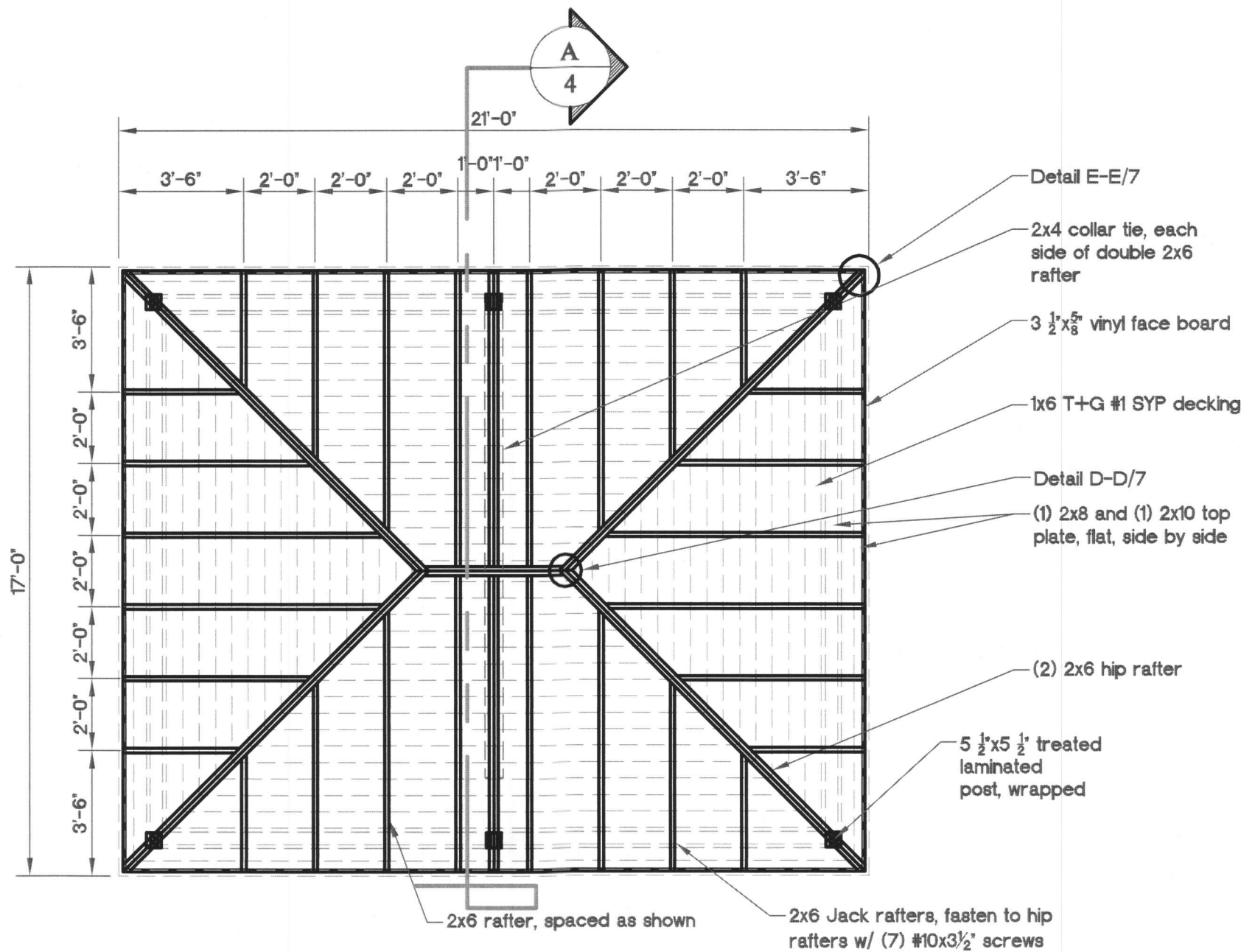
Side Elevation

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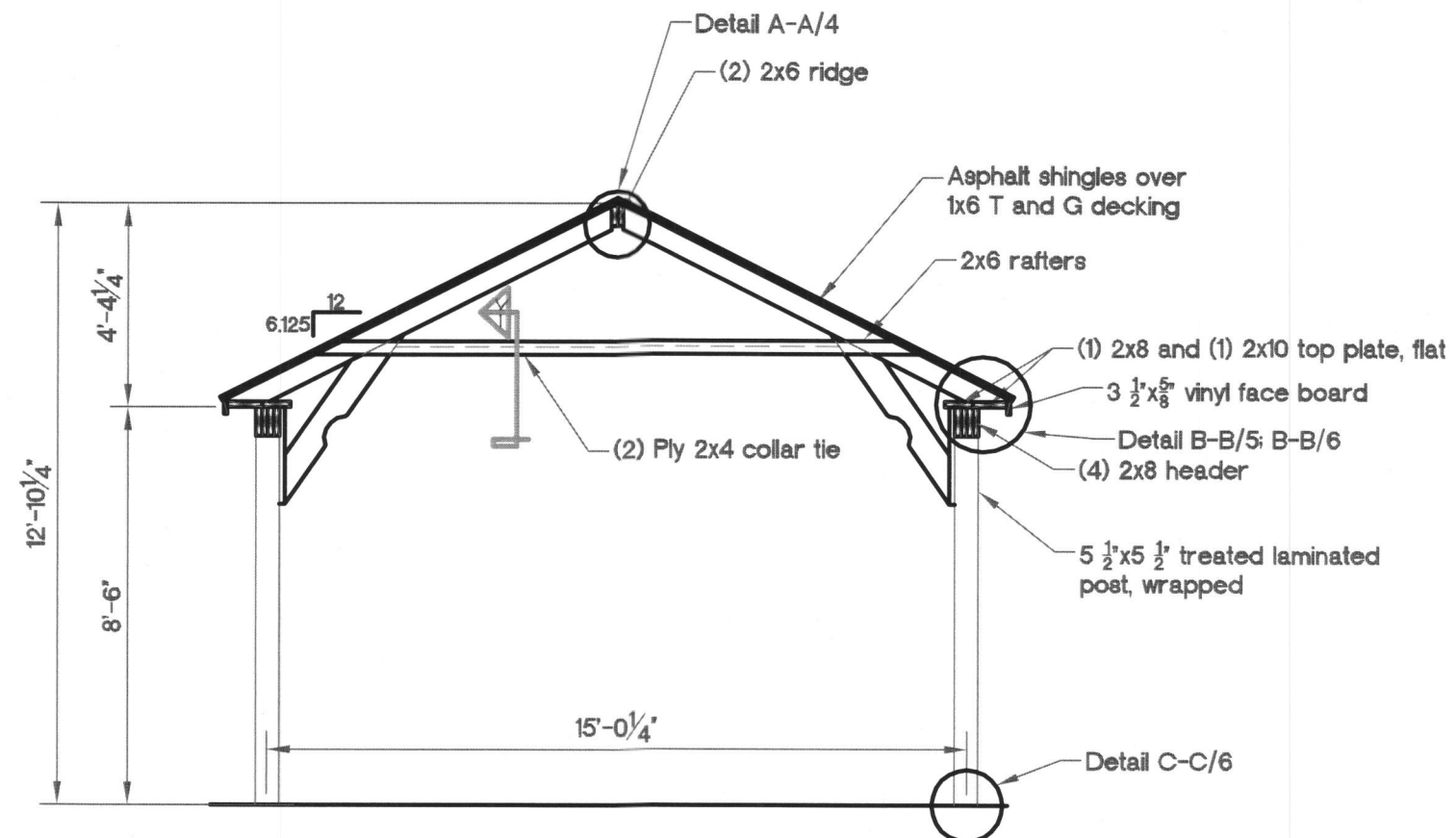
Post Layout Plan

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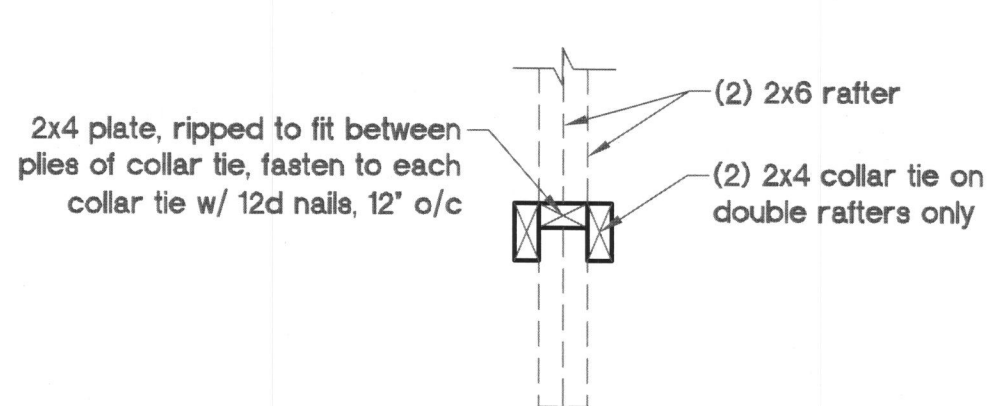
Roof Framing Plan

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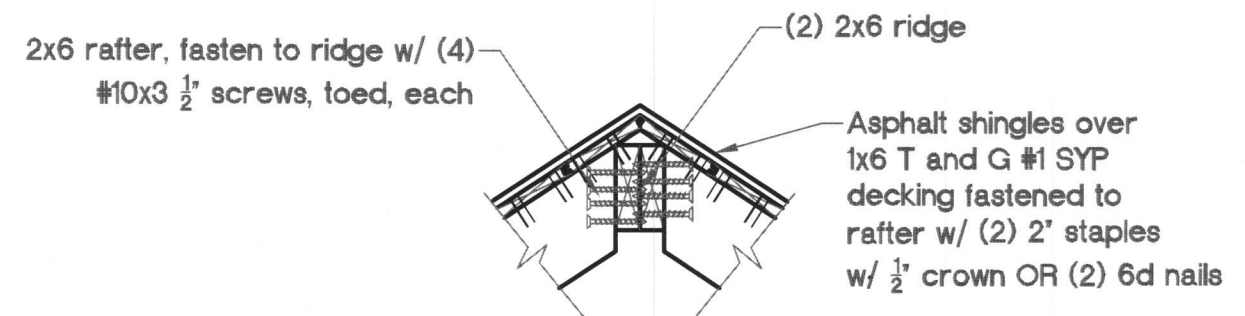
Cross Section A/4

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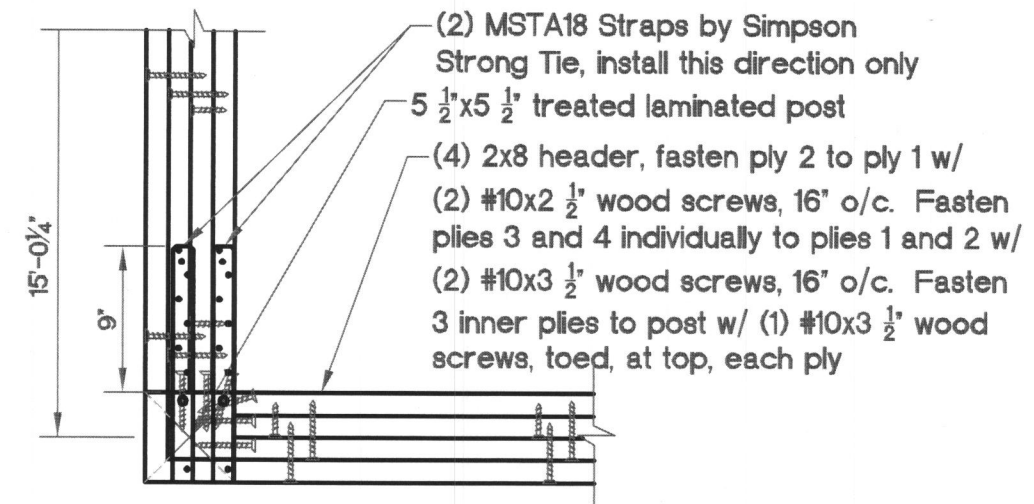
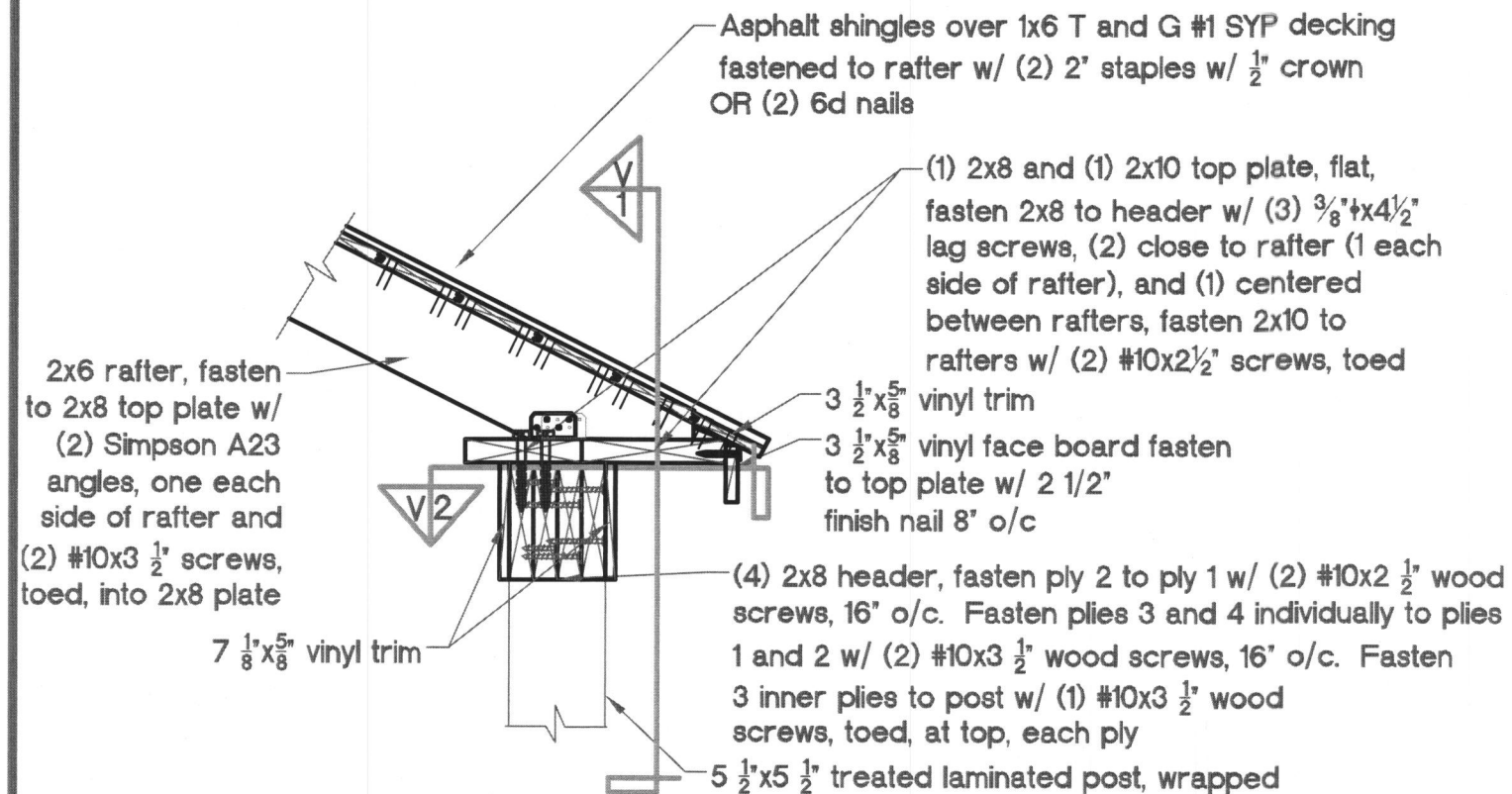
View 1 Cross Section A/4

NTS



Detail A-A/4
Typical Single Rafter

NTS



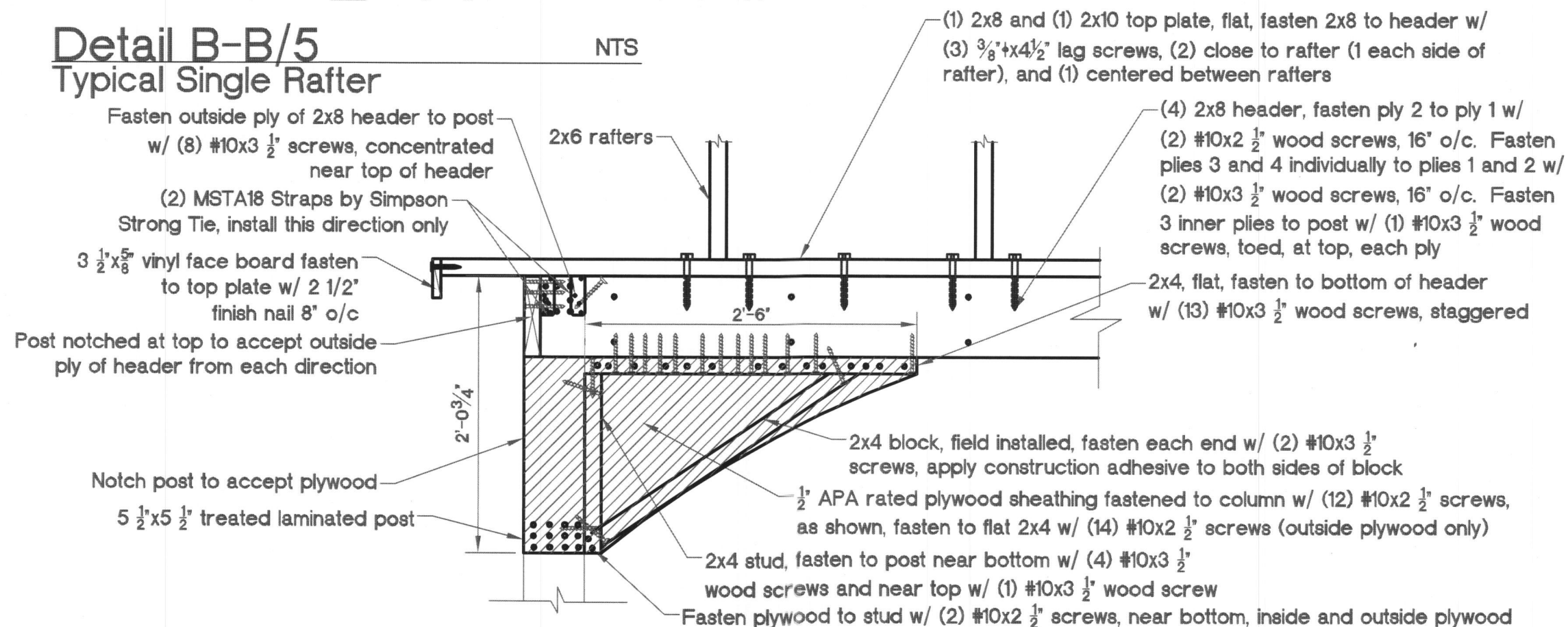
View 2 Detail B-B/5

NTS

Detail B-B/5

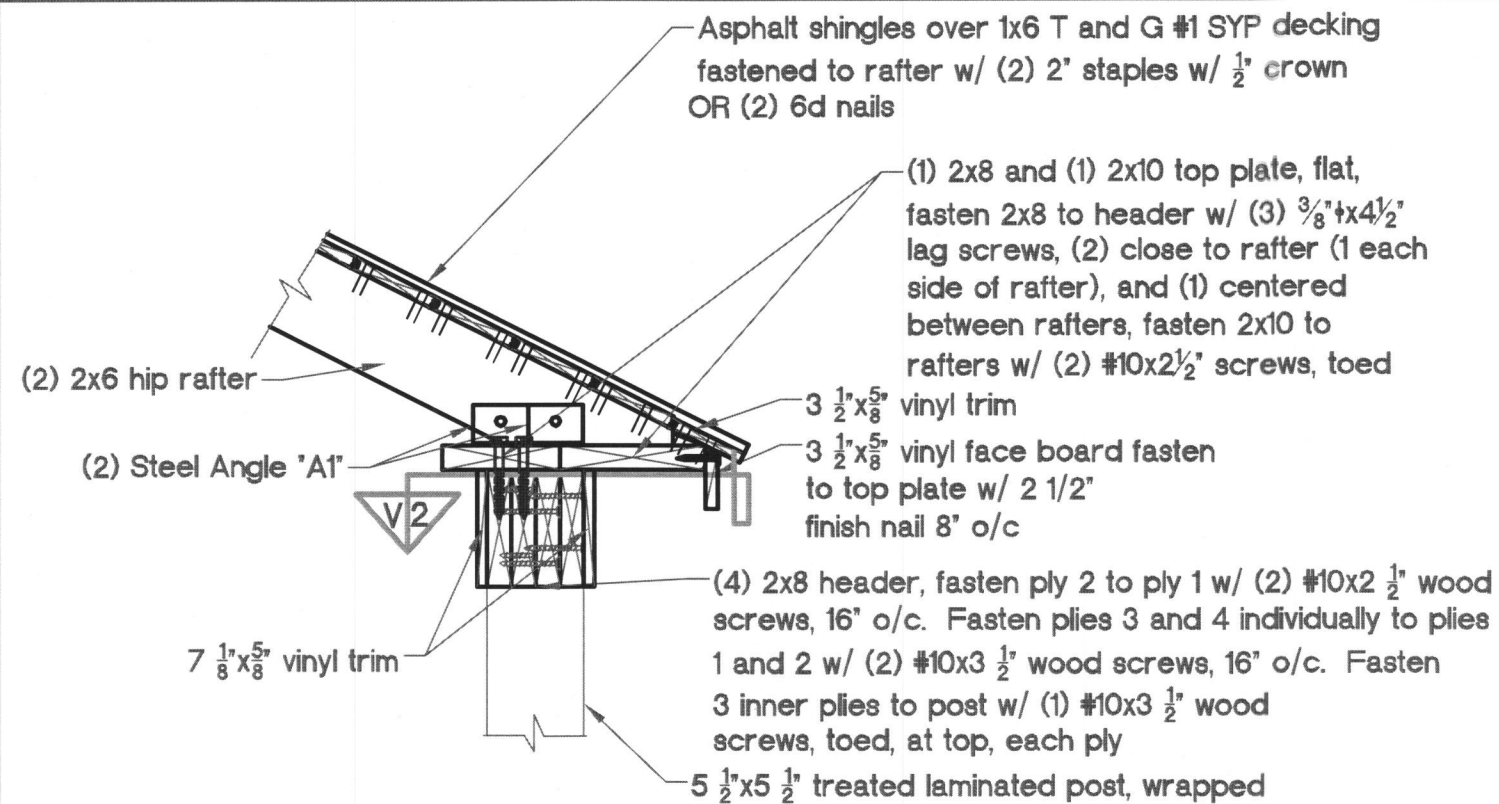
Typical Single Rafter

NTS



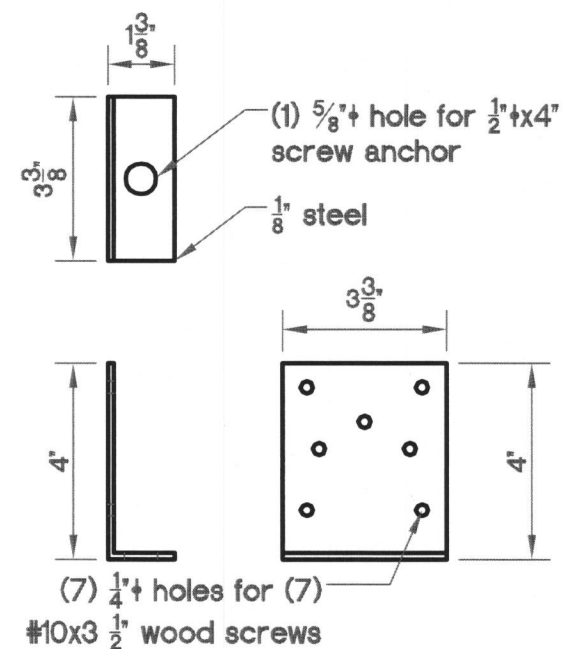
View 1 Detail B-B/5

NTS

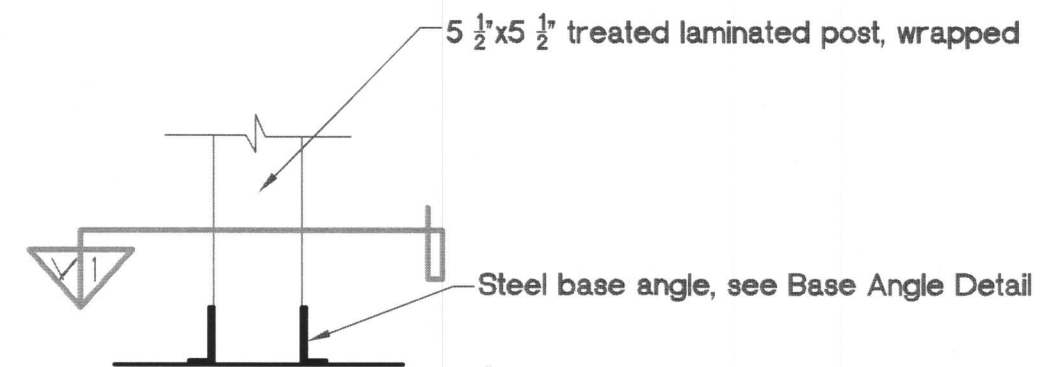
**Detail B-B/6**

Hip Rafter Connection

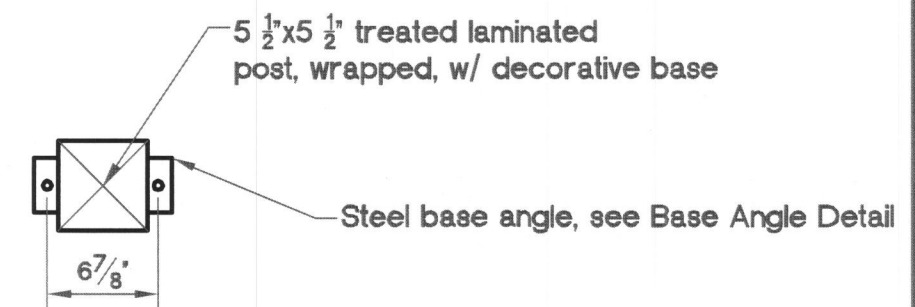
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**Base Angle Detail**

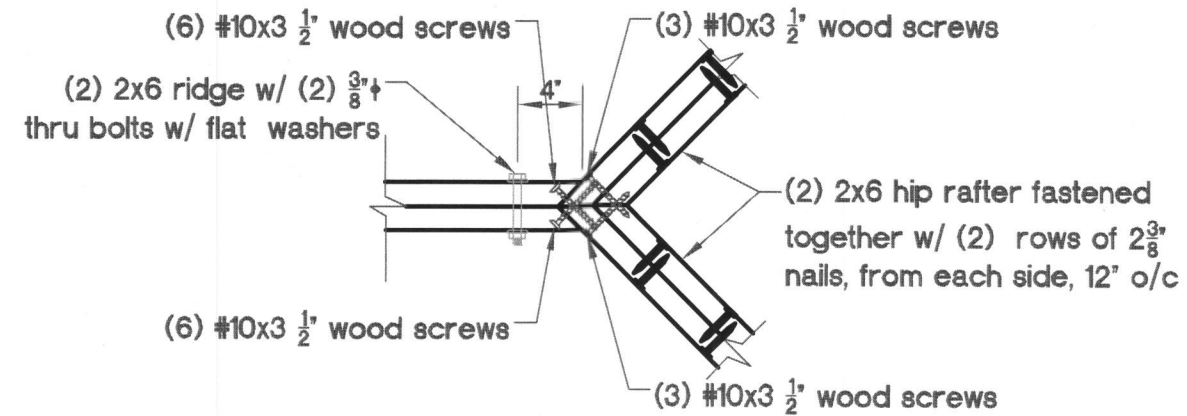
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**Detail C-C/6**

NTS

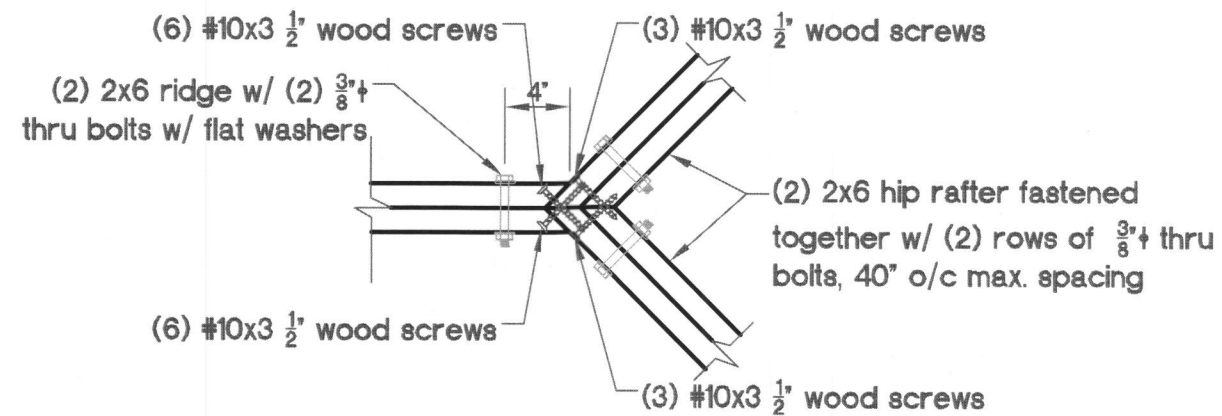
**View 1 Detail C-C/6**

NTS



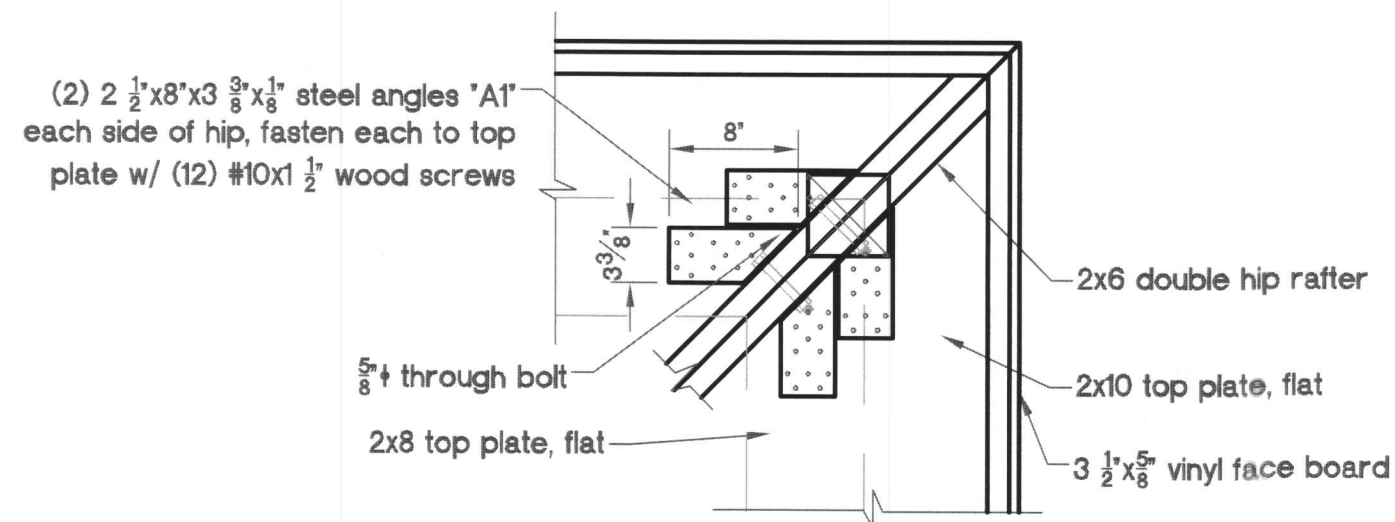
Detail D-D/7
Option 1

NTS



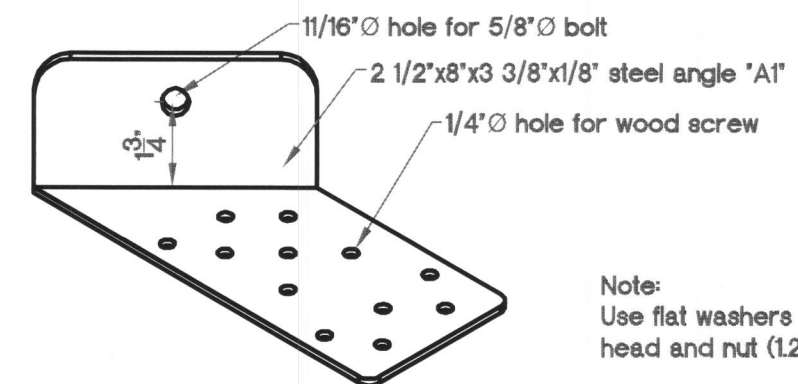
Detail D-D/7
Option 2

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Detail E-E/7

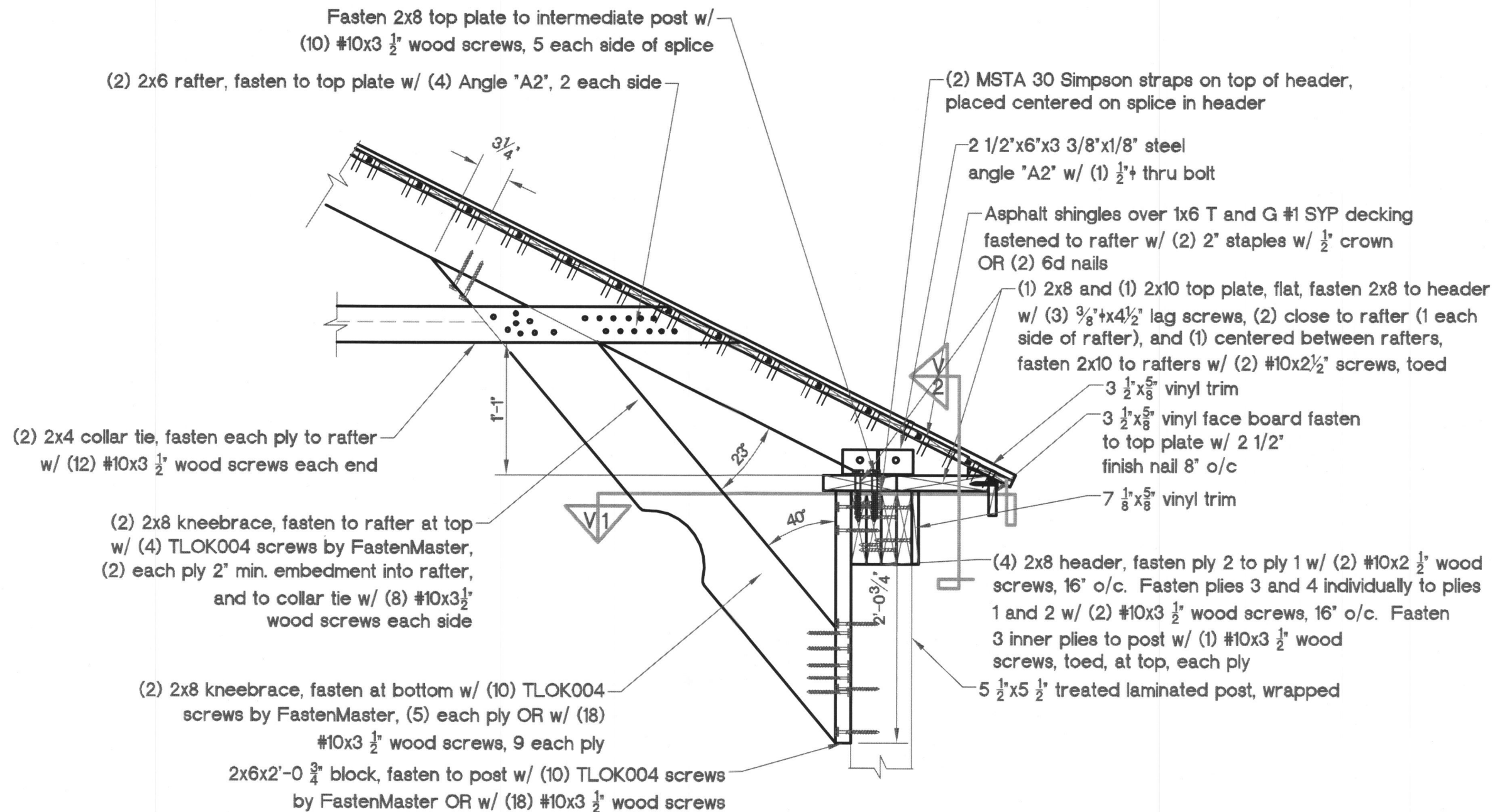
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Note:
Use flat washers under bolt head and nut (1.25" O.D. min.)

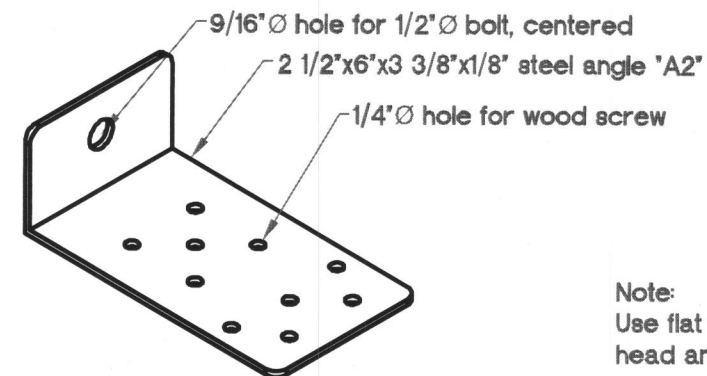
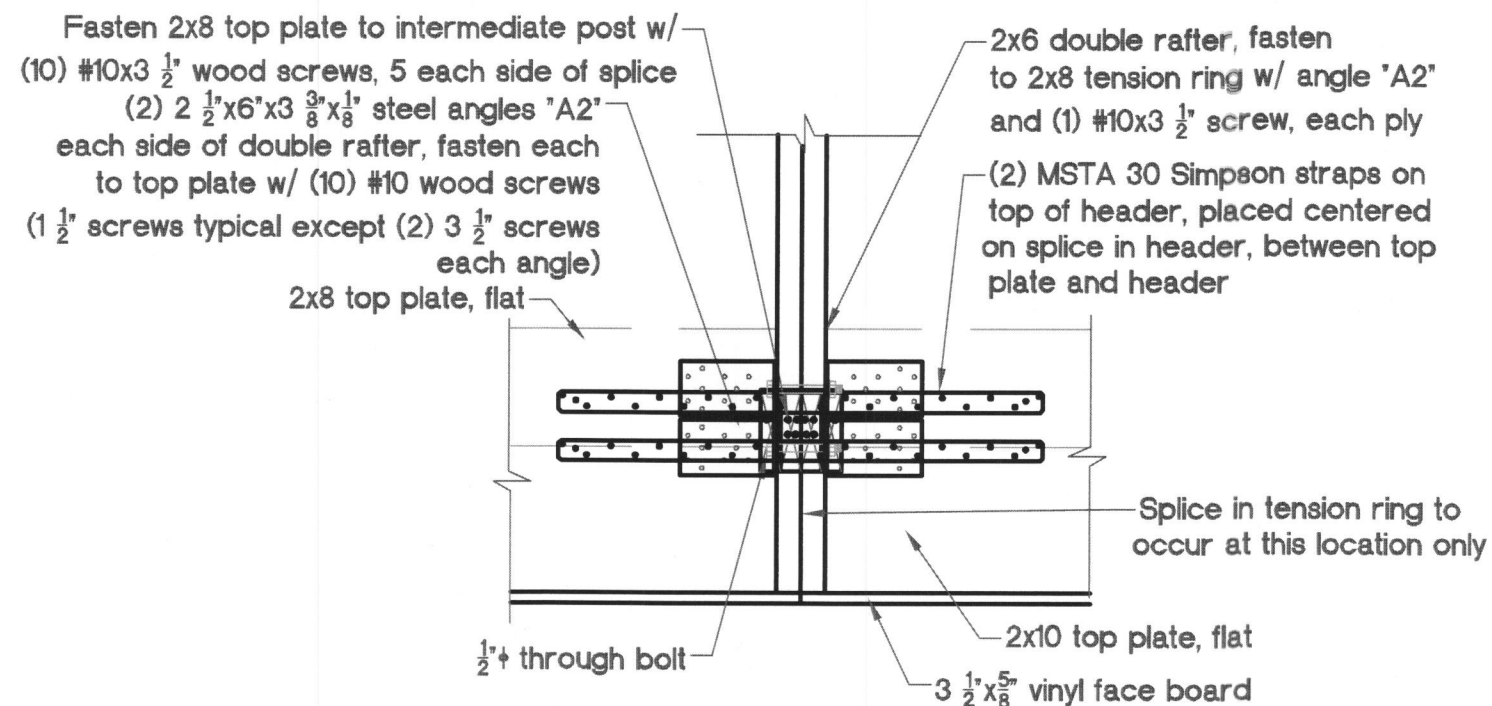
Angle "A1"

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Detail F-F/8
Center Double Rafter

NTS



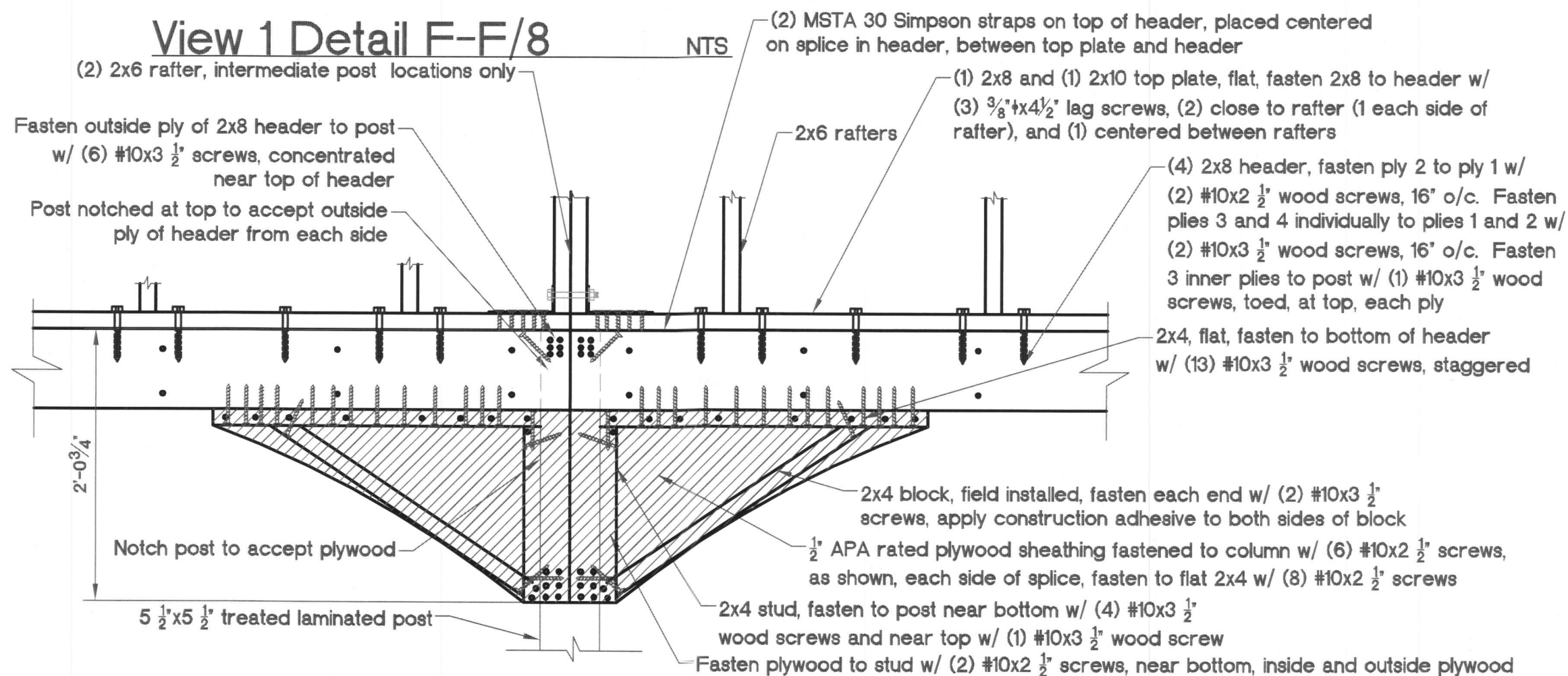
Note:
Use flat washers under bolt head and nut (1.25" O.D. min.)

Angle "A2"

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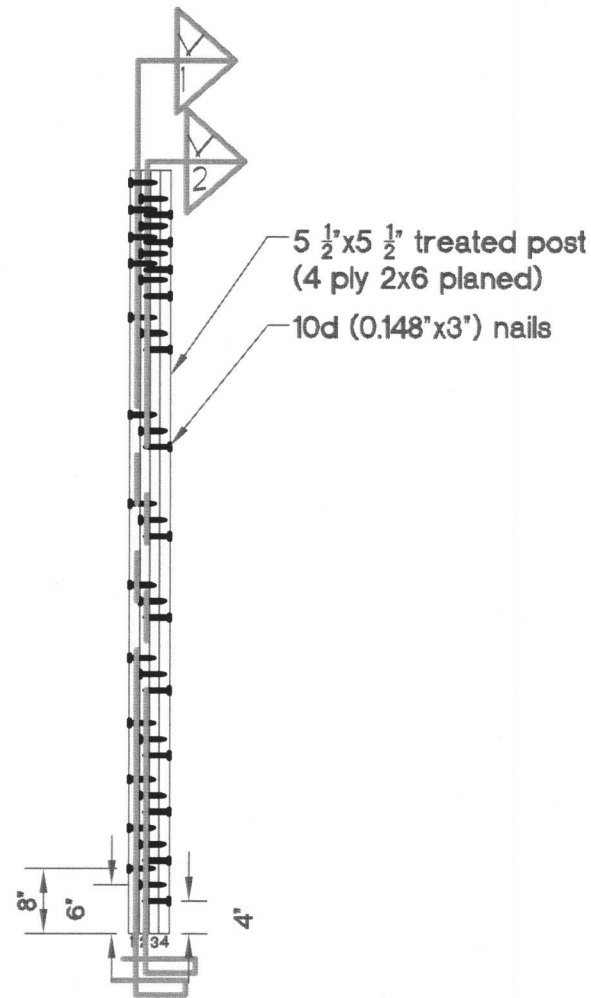
View 1 Detail F-F/8

NTS



View 2 Detail F-F/8

NTS



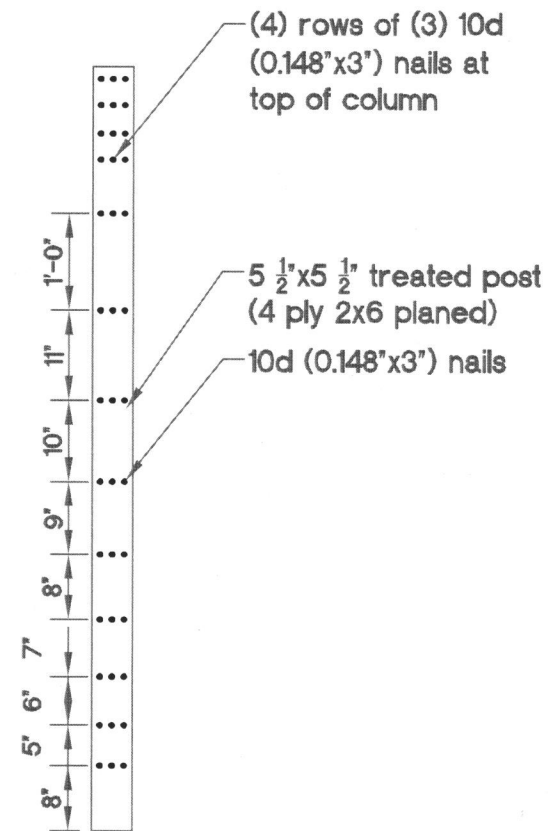
Nail-Laminated Post
Nailing Detail

NTS

View 1

Nailing Detail for Ply 2 to Ply 3

NTS



View 2

Nailing Detail for Ply 1 to Ply 2

NTS

