

TYRE DRIVE (50' RW)

R=299.756'  
A=256.355'

10' UTILITY ESMT.

CONC. DW

2 STORY  
FRAME  
RES. #2380

WOOD  
DECK

LOT 114

147.702'

5' UTILITY ESMT.

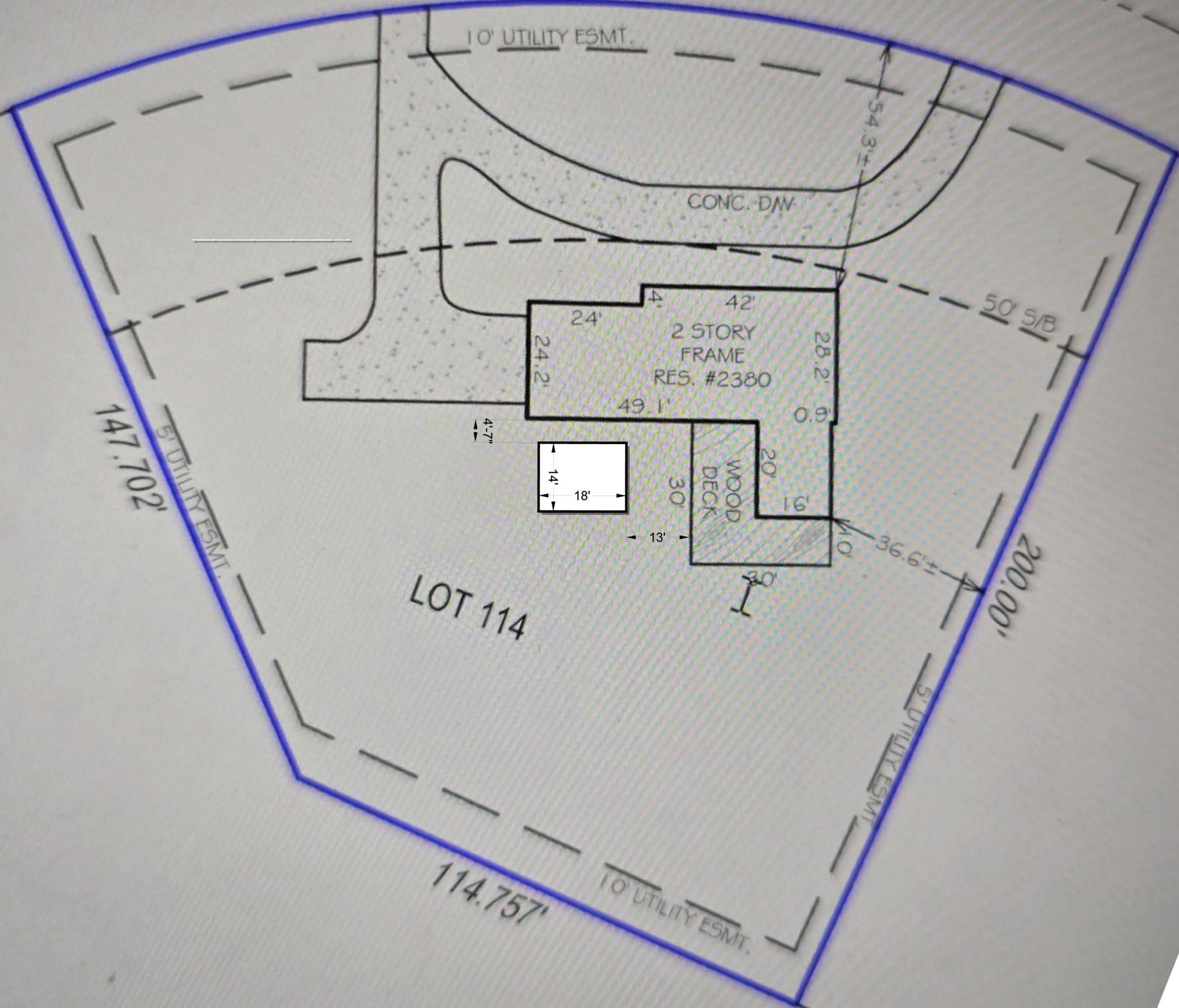
50' S/B

200.00'

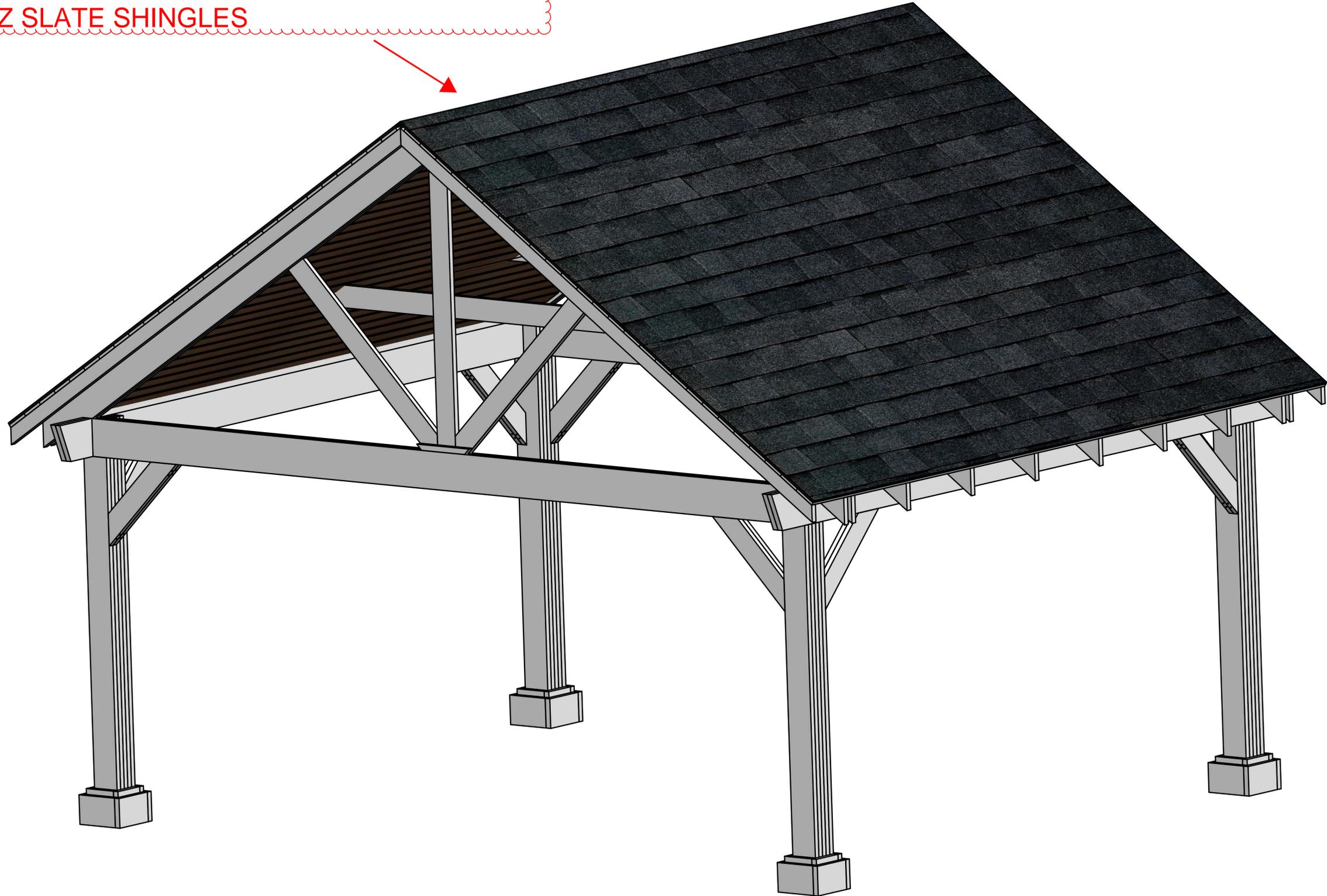
5' UTILITY ESMT.

114.757'

10' UTILITY ESMT.



Color and material matching the proposed roof to match the house which is GAF TIMBERLINE HDZ SLATE SHINGLES



**BERLIN GARDENS**  
TAKE LIFE OUTDOORS™

**VALLEY CITY SUPPLY**

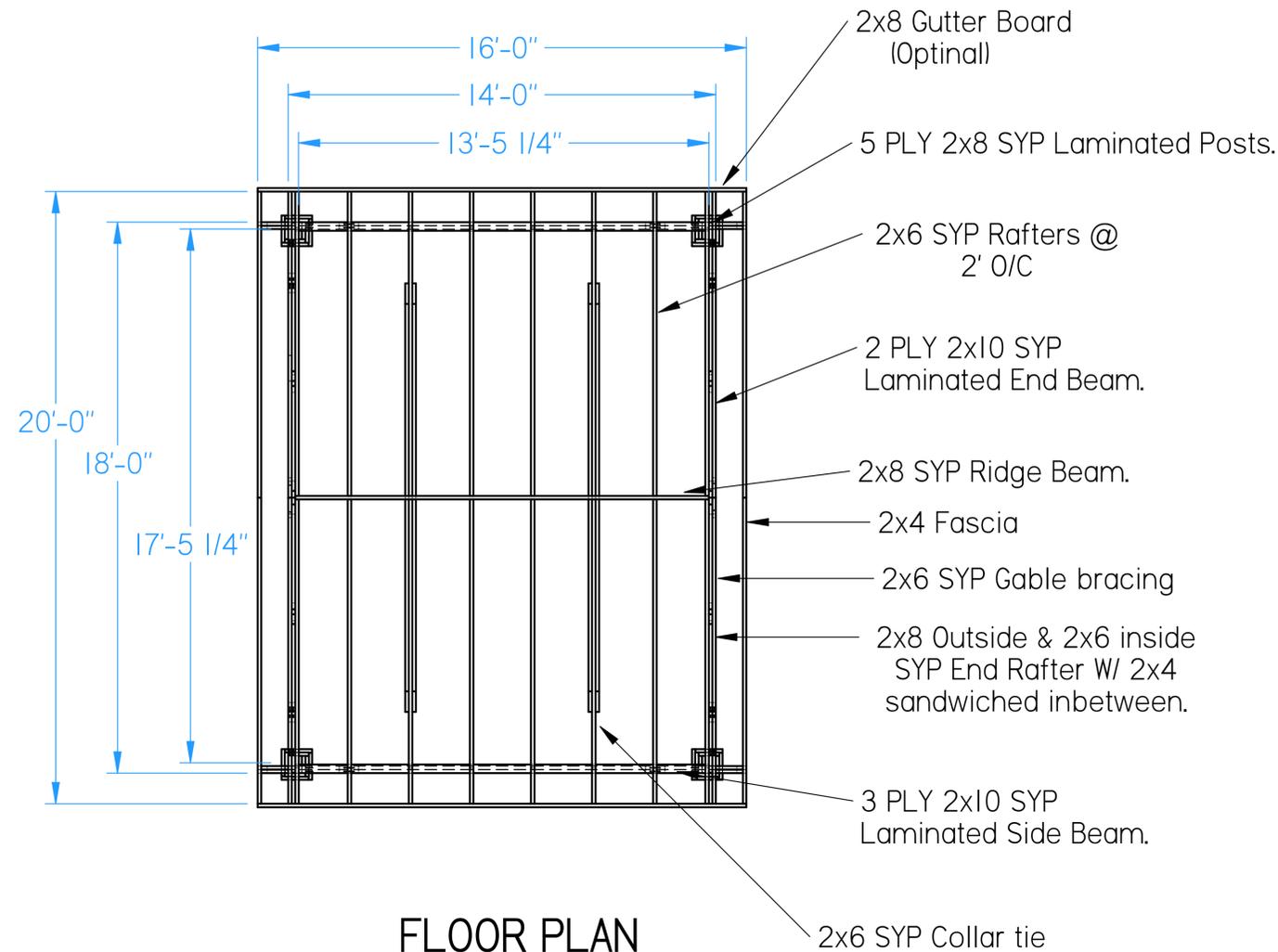
**LASTING IMPRESSIONS**  
LANDSCAPE & DESIGN

**Breckenridge Pavilion  
18x14 W/ Ceiling**

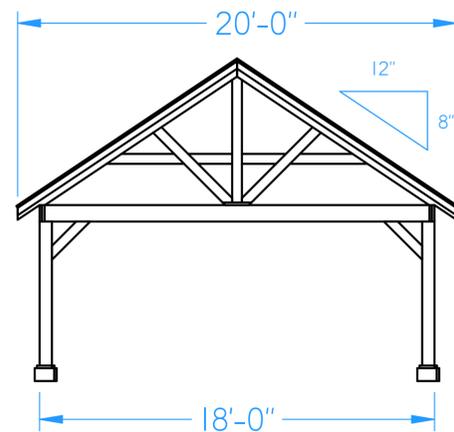
DRAWN BY: marvin.s

DATE: 3/20/25

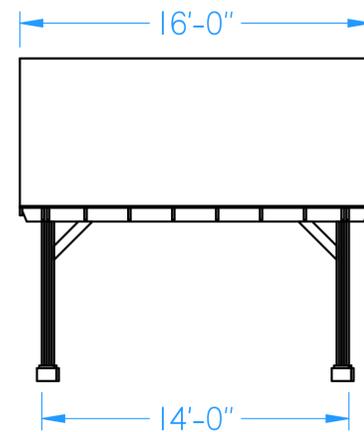
PROJECT:  
Breckenridge  
Pavilion 18x14.dft



**FLOOR PLAN**



**END ELEVATION**



**SIDE ELEVATION**

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

STRUCTURAL PLANS ONLY.  
 OTHERS RESPONSIBLE FOR MEETING ALL OTHER STATE AND LOCAL REQUIREMENTS AND REQUIRED SUBMITTAL

All materials, Treated Southern Yellow Pine #2 or better grade unless noted otherwise.

All fasteners are Big Timber WTX or BTX Construction screws at length and diameter specified W/ Coating approved for use in Preservative Treated Wood unless noted otherwise.

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 18x14 W/ Ceiling**

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DATE: 3/20/25

PROJECT:  
 Breckenridge Pavilion 18x14.dft

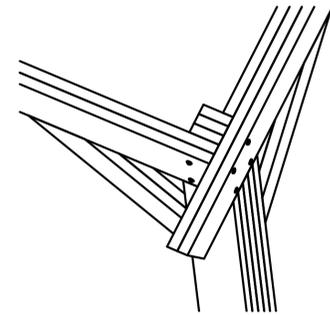
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18x14 W/ Ceiling**

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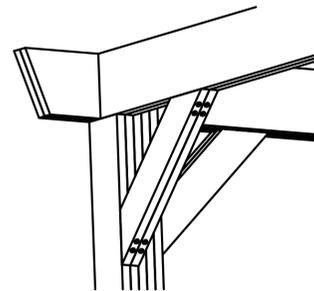
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Beams set on notched posts, Beams fastened to posts w/ 5/16" x 3 1/2" lags. (2) lags per front/back beam & (4) per side beam.



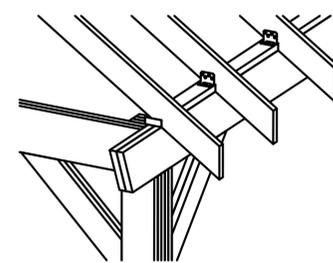
BEAM / POST CONNECTION

2 Ply 2x6 SYP Braces fastened w/ (2) 5/16 x 5" & (2) 5/16 x 6" lags each end.



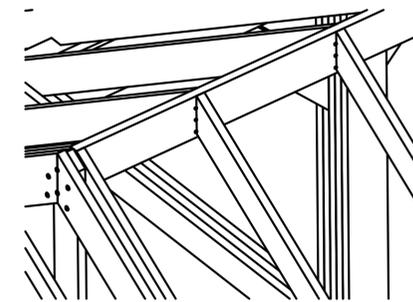
BRACE CONNECTION

2x4 Roof plate fastened to beams w/ #10x3" screws @ 24" O/C. Rafters fasted to roof plate w/ (1) Simpson A23 Bracket. Bracket fastened w/ #10x1 1/2" screws.



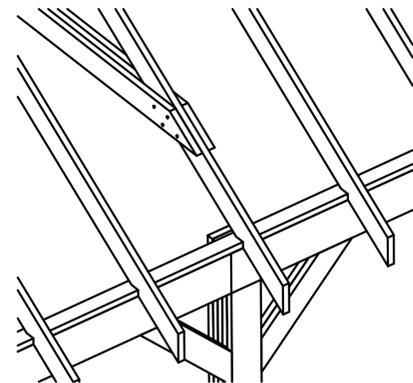
RAFTER / BEAM CONNECTION

End Rafters fastened to Ridge Beam w/ (2) 5/16 x 6" Lags. Common Rafters fastened to Ridge Beam w/ (3) #10 x 3" Screws per rafter.



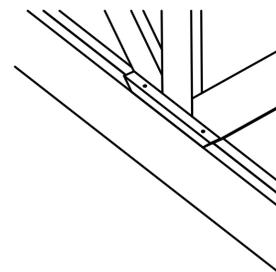
RAFTER / RIDGE BEAM CONNECTION

2x6 SYP Collar Ties fastened to Rafter w/ (4) #10 x 2 1/2" Screws each end.



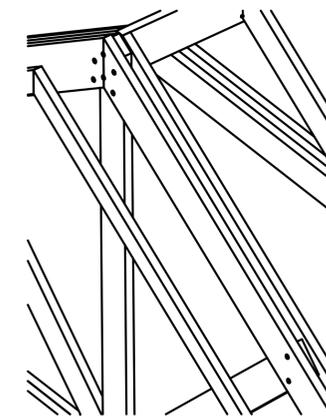
COLLAR TIE CONNECTION

2x2 SYP Block fastened to top of beam w/ (2) 5/16 x 4" Lags. Bracing attached to block w/ (2) #10 x 2 1/2" Screws per brace.



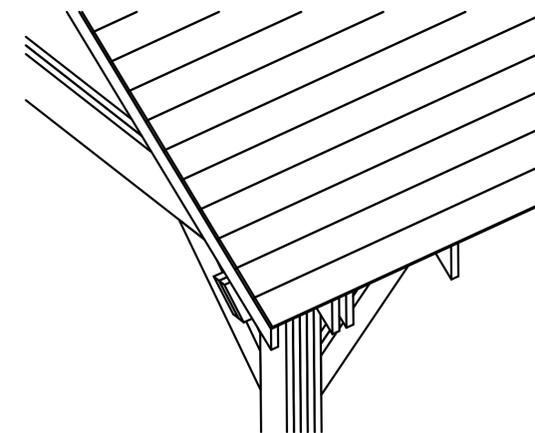
GABLE BRACING / BEAM CONNECTION

Gable bracing sandwiched between the 2x6 & 2x8 end rafter. Fastened w/ (2) 5/16 x 3 1/2" Lags each side.



GABLE BRACING / END RAFTER CONNECTION

1x6 SYP roof sheathing. Fastened w/ (2) 2" x 18GA 1/2" Crown staples per rafter.



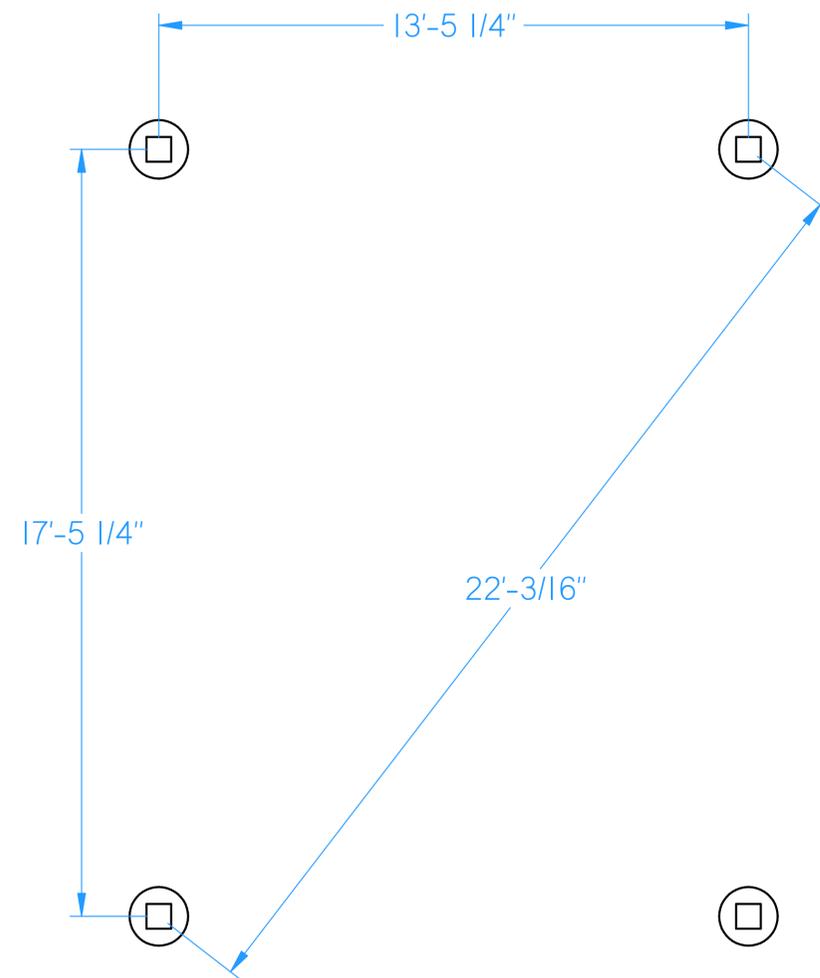
ROOF SHEATHING CONNECTION

**GENERAL NOTES:**

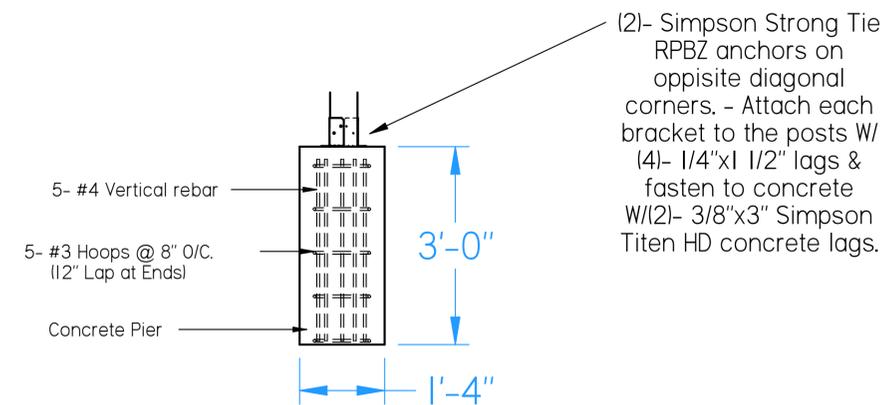
- FT Synthetics underlayment on top of roof sheathing.
- 30 Yr. asphalt shingles or 29 GA. painted steel roofing.
- Optional 1x6 T&G ceiling can be installed.

FOUNDATION NOTES:

- Concrete - 4,000 psi W/ 5-7% Air Entertainment



FOOTER LAYOUT



CONCRETE FOOTER DETAIL

**Breckenridge Pavilion  
18x14 W/ Ceiling**

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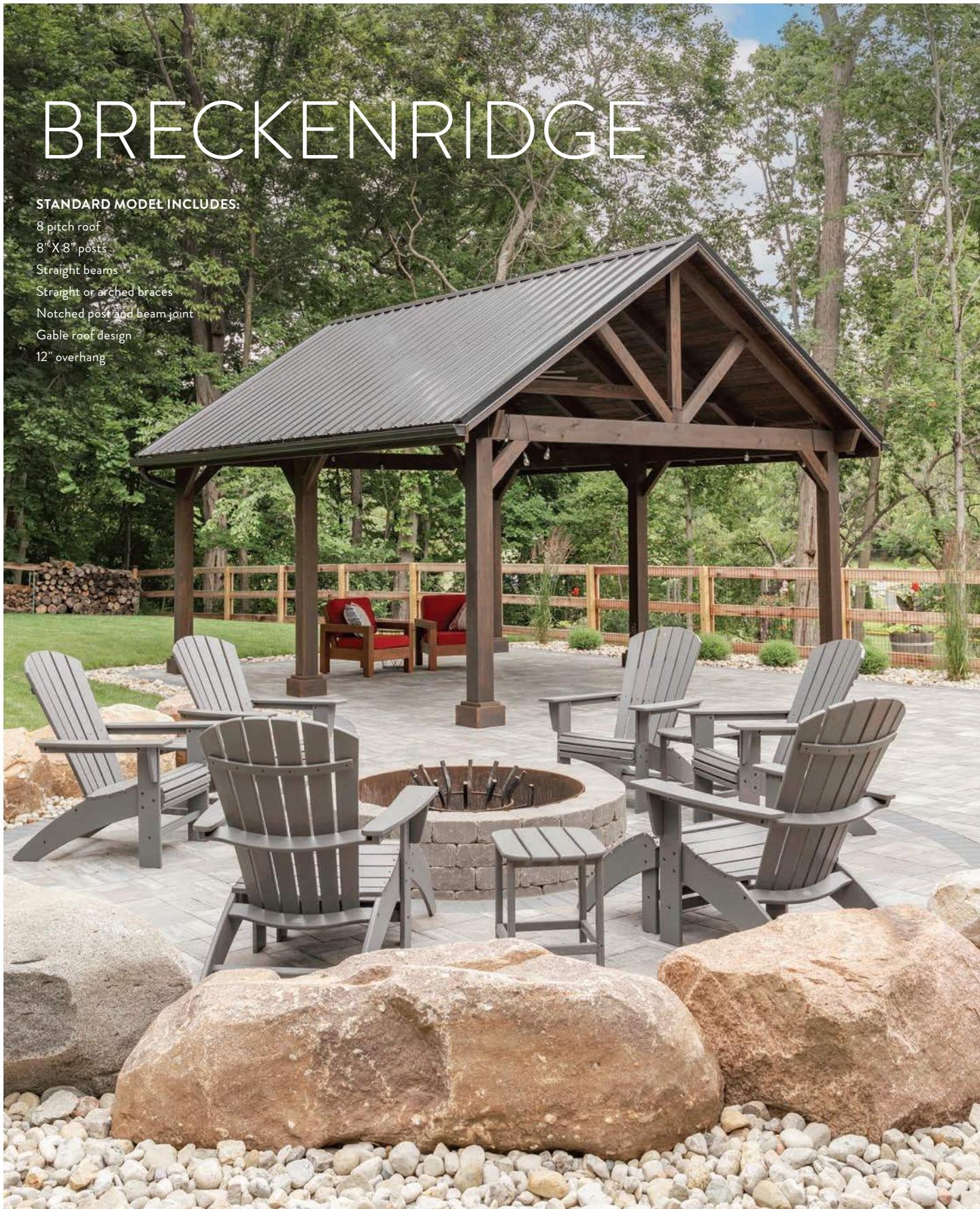
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# BRECKENRIDGE

**STANDARD MODEL INCLUDES:**

- 8 pitch roof
- 8" X 8" posts
- Straight beams
- Straight or arched braces
- Notched post and beam joint
- Gable roof design
- 12" overhang



WITH ITS OPEN GABLE TRUSSES, THIS PAVILION MAXIMIZES THE BENEFITS OF BEING OUTDOORS WHILE KEEPING YOU UNDER SHELTER.



Shown with optional ceiling

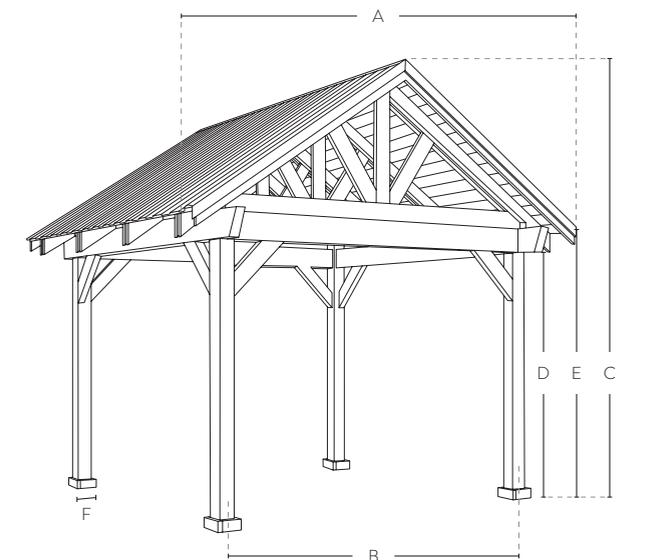


Triple Rafter

Specifications | Breckenridge Wood Pavilion

Please Note: Breckenridge Pavilions with sides of 20' and above will require additional posts.

Size	10'	12'	14'	16'	18'	20'	24'
A (Outside to outside of roof)	144"	168"	192"	216"	240"	264"	312"
B (Center to center of posts)	113"	137"	161"	185"	209"	233"	281"
C (Regular roof)	144"	152"	160"	168"	176"	183"	200"
D	Distance from bottom of post to bottom of beam is 87"						
E	Distance from bottom of post to top of beam is 96"						
F (Post base size)	8" X 8" Square; 12½" X 12½"						





# America's #1-selling shingle just got better — again

With GAF time-release algae-fighting technology and LayerLock® technology, Timberline HDZ® offers everything you can expect from an architectural shingle roof, and more.



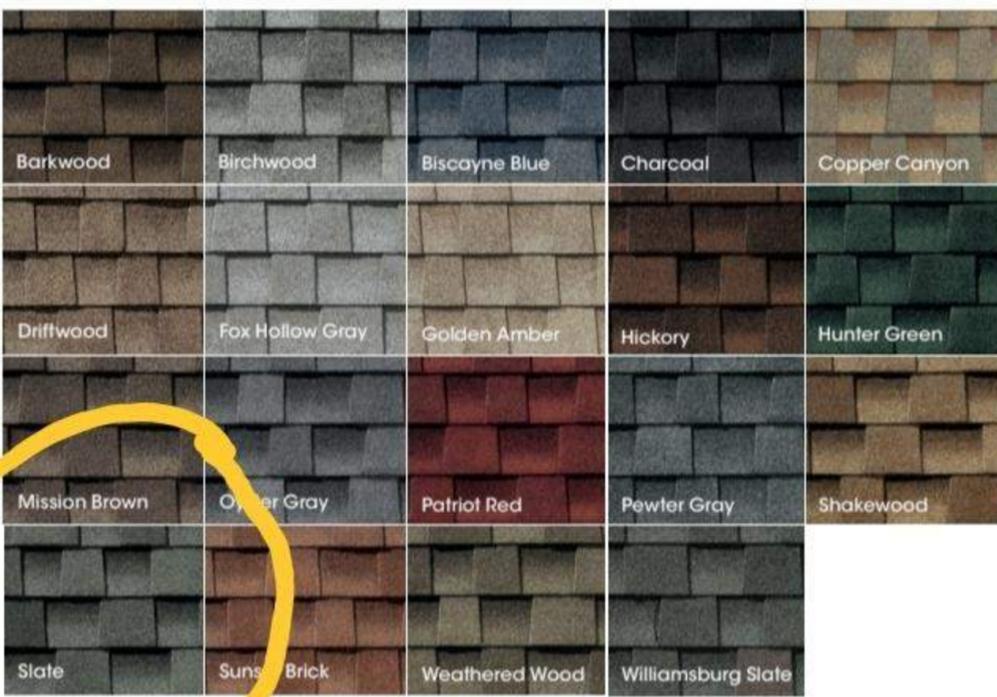
### Benefits:

- **LayerLock® technology** — mechanically fuses the common bond between overlapping shingle layers
- **Up to 99.9% nailing accuracy** — the StrikeZone® nailing area is so easy to hit that a roofer placed 999 out of 1,000 nails correctly in our test<sup>1</sup>
- **WindProven™ Limited Wind Warranty** — when installed with the required combination of GAF accessories, Timberline HDZ® shingles are eligible for a wind warranty with no maximum wind speed limitation<sup>2</sup>
- **Dura Grip™ sealant** pairs with the microgranule surface of the StrikeZone® nailing area, and an asphalt-to-asphalt monolithic bond cures for durability, strength, and exceptional wind-uplift performance
- **25-year StainGuard Plus™ Algae Protection Limited Warranty** against blue-green algae discoloration.<sup>3</sup> Proprietary GAF time-release algae-fighting technology helps protect your shingles from unsightly stains.
- **For the best look** — use TimberTex® premium ridge cap shingles or TimberCrest® premium SBS-modified ridge cap shingles

### Product details:

- Product/System Specifics**
- Fiberglass asphalt construction
  - **Dimensions (approx.):** 13 1/4" x 39 3/8" (337 mm x 1,000 mm)
  - **Exposure:** 5 5/8" (143 mm)
  - **Bundles/Square:** 3
  - **Pieces/Square:** 64
  - **StainGuard Plus™ Algae Protection Limited Warranty<sup>3</sup>**
  - **Hip/Ridge:** TimberTex®; TimberCrest®; Seal-A-Ridge®; Z®Ridge; Ridglass®<sup>4</sup>
  - **Starter:** Pro-Start®; QuickStart®; WeatherBlocker™
- Applicable Standards & Protocols:**
- Passes UL 2218 Impact-Resistance Test with Class 3 rating
  - UL Listed to ANSI/UL 790 Class A
  - State of Florida Approved
  - Classified by UL in accordance with ICC-ES AC438
  - Meets ASTM D7158, Class H
  - Meets ASTM D3161, Class F
  - Meets ASTM D3018 Type 1
  - Meets ASTM D3462<sup>5</sup>
  - Miami-Dade County Product Control Approved
  - ICC-ES Evaluation Reports ESR-1475 and ESR-3267
  - Meets Texas Department of Insurance Requirements
  - Rated by the CRRC; Can be used to comply with Title 24 Cool Roof Requirements (some colors)

### Colors:



### Harvest Blend Colors<sup>5</sup>



<sup>1</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime shingles only. See the *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime shingle and at least 3 qualifying GAF accessories. See the *GAF Roofing System Limited Warranty* for complete coverage and restrictions. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.

<sup>2</sup> Results based on study conducted by Home Innovation Research Labs, an independent research lab, comparing installation of Timberline HDZ® Shingles to Timberline HDZ® Shingles on a 16-square roof deck using standard 4-nail nailing pattern under controlled laboratory conditions. Actual results may vary.

<sup>3</sup> 15-year WindProven™ Limited Wind Warranty on GAF shingles with LayerLock® technology requires the use of GAF starter strips, roof deck protection, ridge cap shingles, and leak barrier or attic ventilation. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the *GAF WindProven™ Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

<sup>4</sup> 25-year StainGuard Plus™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus™ logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions and qualifying products.

<sup>5</sup> Harvest Blend colors are only available on TimberTex® Ridge Cap Shingles, Seal-A-Ridge® Ridge Cap Shingles, and TimberCrest® Premium SBS-Modified Ridge Cap Shingles.

<sup>6</sup> Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.



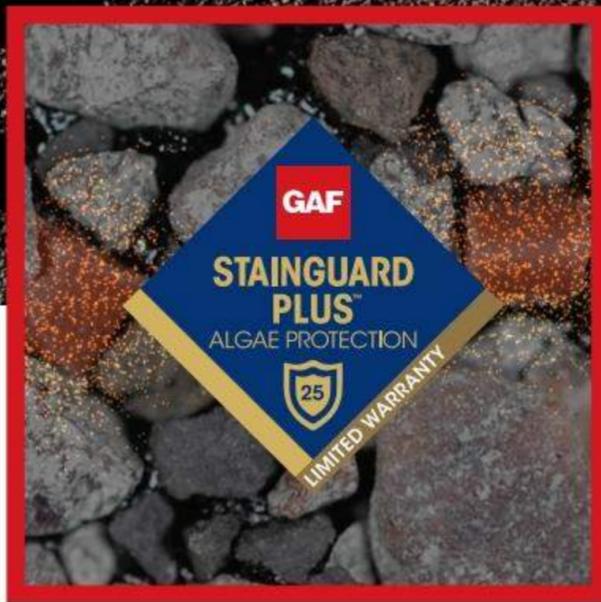
Note: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

We protect what matters most™



**GAF Timberline HDZ**  
High Definition® Lifetime® Shingles

1 / 2



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