

PERMIT NUMBER: B 22000253

DATE ACCEPTED: DILP 2022 JAN 26 PM 12:5

RESIDENTIAL BUILDING PERMIT APPLICATION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4

www.howardcountymd.gov

BUILDING SITE ADDRESS REQUIRED

Street Address: 12241 HAYLAND FARM WAY
City: Ellicott City
State: MD
Zip Code: 21042
Subdivision/Village/Complex Name: WALNUT CREEK
SDP/WP/BA #:
Lot: PART Tax Map: 28 Parcel: 49 Grading Permit #:

DESCRIPTION OF WORK REQUIRED

Existing Use: SFD Proposed Use: PAVILION + STAIRS Estimated Cost: \$ 29,400
Trade Work to Be Completed (Separate Permits Required): Mechanical (HVACR) Electrical Plumbing None
NEW 20' x 20' PAVILION + SET OF STAIRS FROM EXISTING PATIO (400 sq ft)

PROPERTY OWNER INFORMATION REQUIRED

Owner(s) Name(s) (As it appears on tax records): ZAHIOB KHAN Primary Residence: Yes No
Owner's Street Address: 12241 HAYLAND FARMWAY
City: Ellicott City State: MD Zip Code: 21042
Phone: 267 933 4157 Email: Z.K.HANSAW@HOTMAIL.COM

APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION

Business Name: Five Decks inc Contact Name: CLEMENS JELLEMA
Street Address: 1020 TIFFANY PARK
City: Owings State: MD Zip Code: 20736
Phone: 410 802 2860 Email: FIVEDECKS@GMAIL.COM

CONTRACTOR INFORMATION REQUIRED

Business Name: Five Decks inc License #: 71898
Licensee's Name: Five Decks inc
Street Address: 1020 TIFFANY PARK
City: Owings State: MD Zip Code: 20736
Phone: 410 802 2860 Email: FIVEDECKS@GMAIL.COM

ARCHITECT/ENGINEER INFORMATION INDIVIDUAL WHO SIGNED PLANS, IF APPLICABLE

Business Name: Name:
Street Address:
City: State: Zip Code:
Phone: Email:

BUILDING CHARACTERISTICS REQUIRED

Primary Structure: SF Dwelling SF Townhouse SF Duplex Mobile Home Multi-Family Dwelling (MF*) Condo: Yes No
Utilities: Electric Gas Water Supply: Public Private (Well) Sewage Disposal: Public Private (Septic)
Heating System: Electric Natural Gas Propane Other: Roadside Tree Project: No Yes: #
Sprinkler System: NFPA 13 NFPA 13R NFPA 13D None Fire Alarm System: Yes No Voice Evac

ADDITIONAL RESIDENTIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)

Model Name & Options:
of Bedrooms (SF): # of efficiency units (MF*): # of 1 BR (MF*): # of 2 BR (MF*): # of 3 BR (MF*):
Rooms: # Full Baths: # Half Baths: # Fireplaces:
Garage/Carport Info: Attached Garage Detached Garage Integral Garage Carport None
Basement/Foundation Info: Slab on Grade Post & Pier Unfinished Basement Finished Basement: Full or Partial
1st Fl Width: 1st Fl Depth: 2nd Fl Width: 2nd Fl Depth: Bsmt Width: Bsmt Depth:
Energy Method: Prescriptive Performance UA Alternative ERI Gross Area: sq ft Occupiable Area: sq ft

AGREEMENT/ DISCALIMER REQUIRED

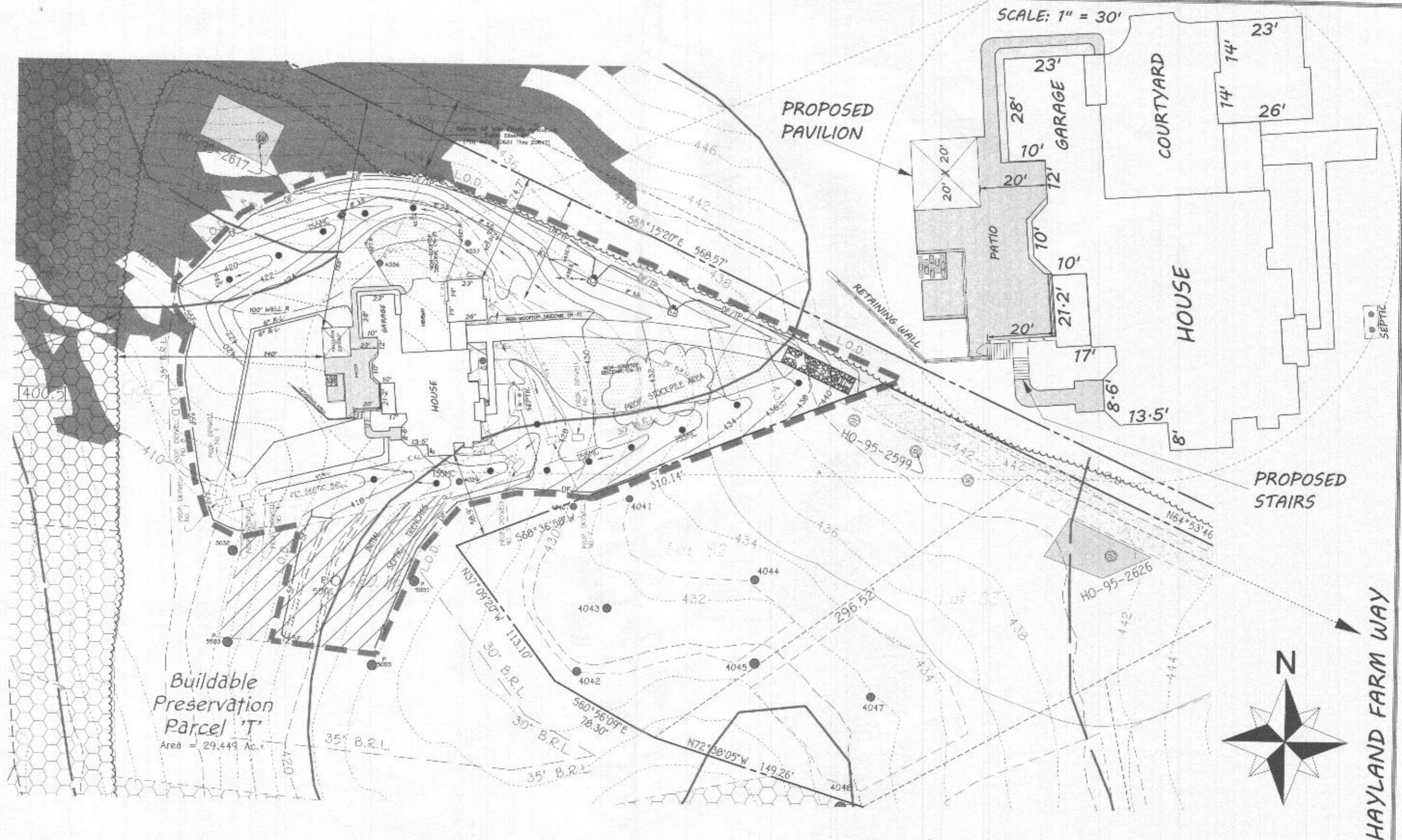
THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED 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 ORIGINAL SIGNATURE DATE SIGNED 01-26-2022

FOR OFFICE USE ONLY

CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

AGENCIES REQUIRED/APPROVALS: PR DPZ DED Health 2/1/22 SHA CID
SUBMITTAL FEES: \$25.00 PAYMENT: CK# 11761 ACCEPTED BY: AKH



Buildable
Preservation
Parcel 'T'
Area = 29.449 Ac.

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20748, EXPIRATION DATE: 02/22/19.



"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE WYOMING SOIL CONSERVATION DISTRICT."
Aldo M. Vitale
A.E.D. P. 08/19
D.E.

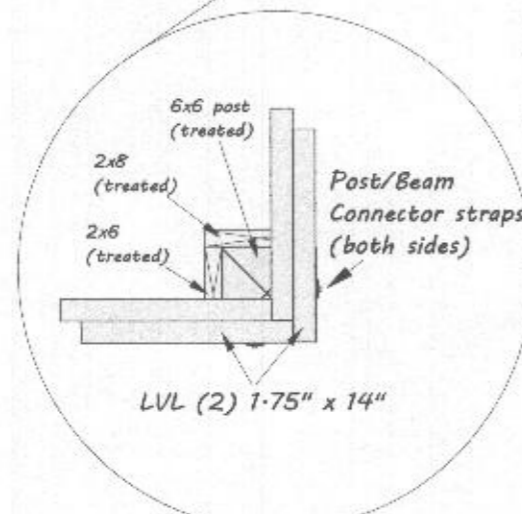
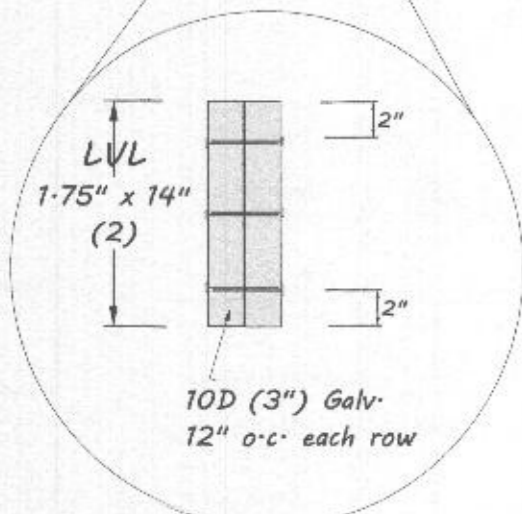
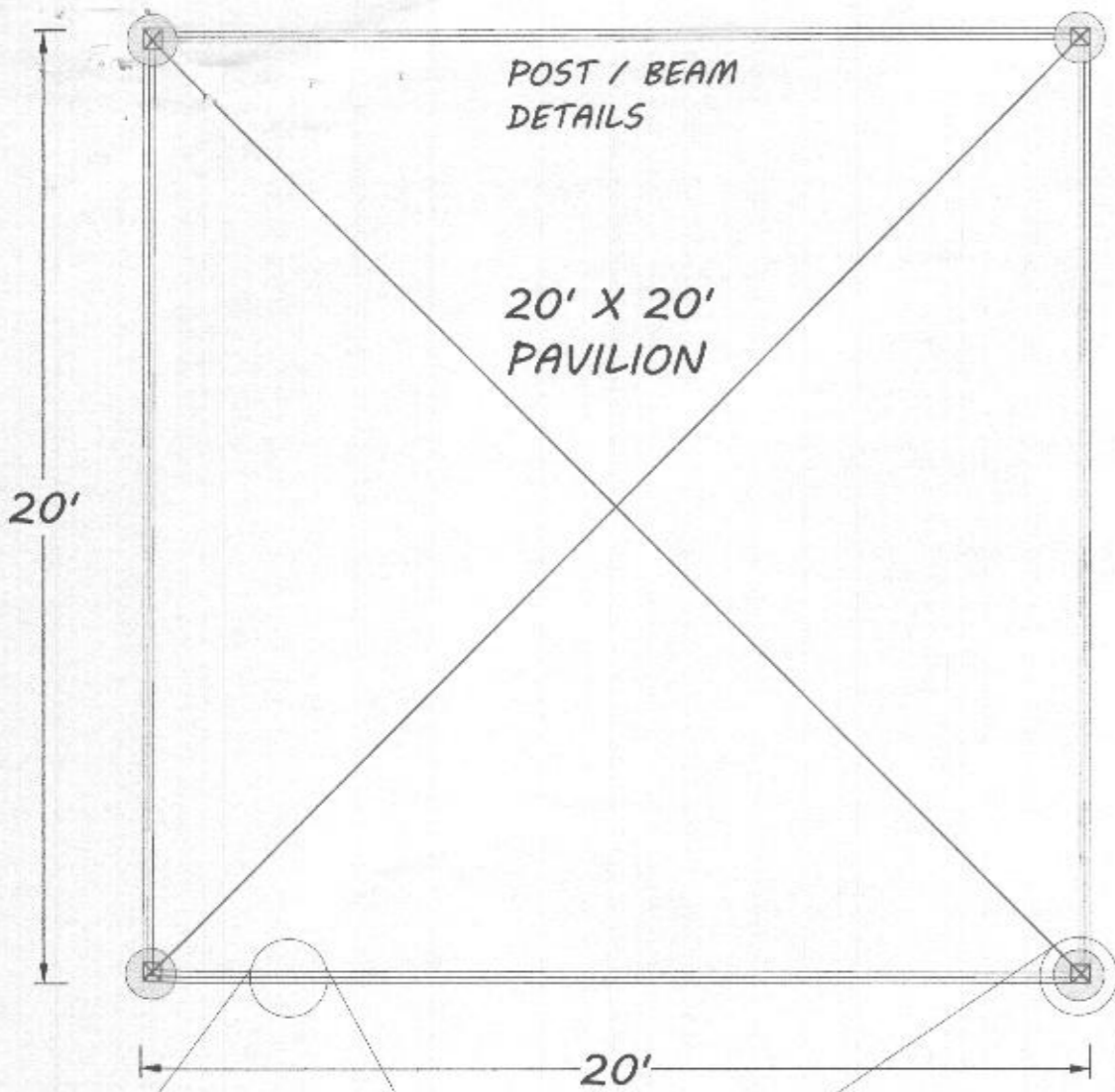
PLAN
SCALE: 1" = 30'

OK to approve.
JG 2/1/22

OWNER/DEVELOPER
CARYL CUSTON HOMES
17940 GREENWAY RD
LAUREL, MARYLAND 20773
410-618-7582

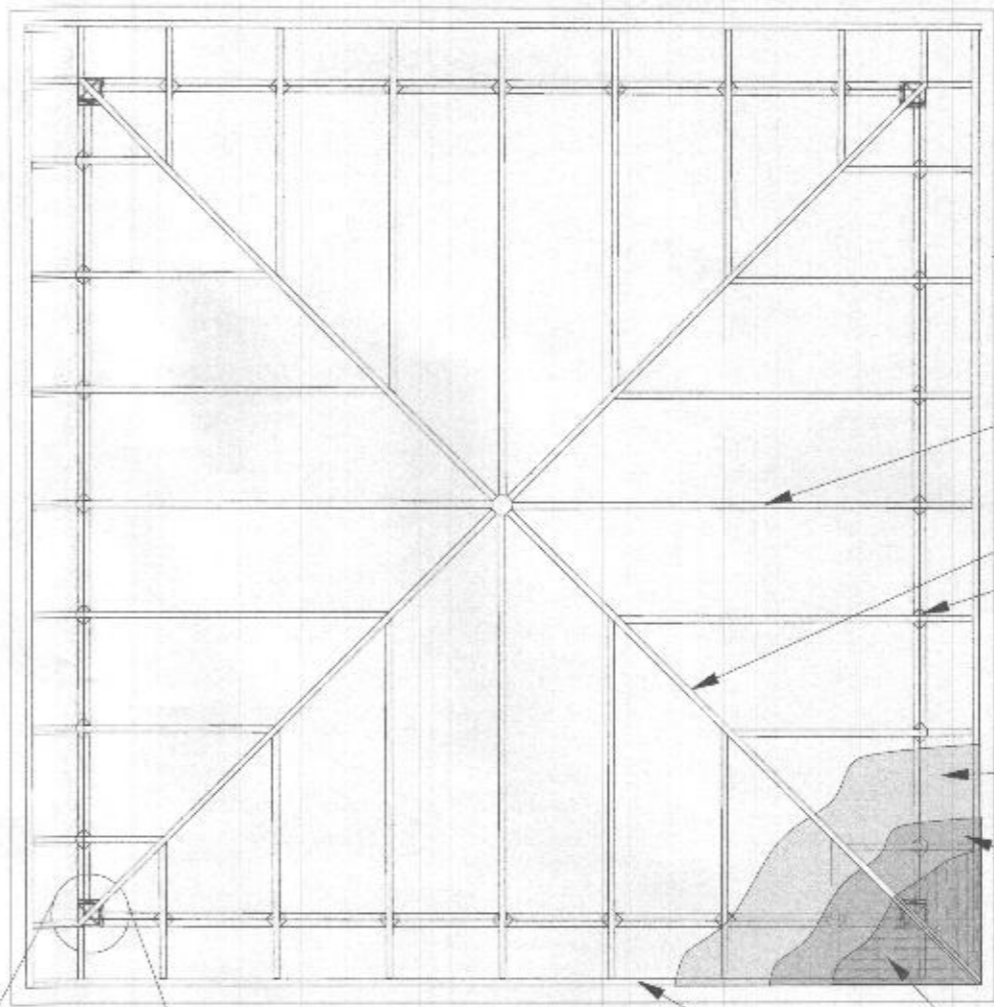
**SIMPLIFIED ENVIRONMENTAL CONCEPT PLAN
WALNUT CREEK
PHASE THREE**
BUILDABLE PRESERVATION PARCEL 'T'
12241 HAYLAND FARM WAY
(A Subdivision of Buildable Parcel T - Walnut Creek, Phase Two & A Revision to the Buildable Preservation Parcel 'T' and 'T' - Walnut Creek, Phase Two)
ZONED: RS-DEO
TAX MAP No. 20 QRD Pks. 4, 5, 10-12, 17, AND 18 PARCELS No. 49
FIFTH ELECTION DISTRICT - HOWARD COUNTY, MARYLAND
DATE: AUGUST 1, 2018
SHEET 2 OF 2

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL TOWNSHIP OFFICE: 1000 N. STATE ST. SUITE 200
BUCKLEY, MD 21714
410-331-2222



MATERIALS:

- The minimum compressive strength of concrete shall be 2500 psi (pounds per square inch).
- All deck lumber shall be #2 Southern Pine or better. Lumber shall be pressure-treated with the above ground and ground contact standards issued by the American Wood Preservers Associations (APWA)
- Above grade fasteners shall be hot-dip galvanized steel with a minimum coating of 2 ounces of zinc per square foot, according ASTM A 153, or stainless steel. Proprietary thinplate connectors shall be hot-dip galvanized steel with a minimum coating of 1.85 ounces of zinc per square foot, according ASTM A 653, or stainless steel. Screws, spirally grooved and ring shanked nails shall be used for the deck surface and only manufacturer-specified fasteners shall be used to attach the connectors. Do not mix galvanized and stainless steel connectors.



5" gutter around perimeter with 2x3 downspouts

Common rafter: 2x10 24"o.c.

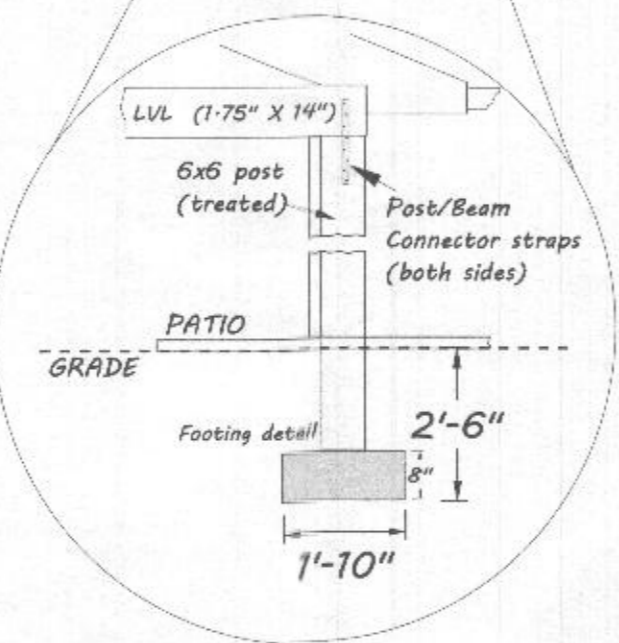
Hip rafter: 2x12

Simpson H1 Galv. Hurricane clip

7/16 OSB with clips

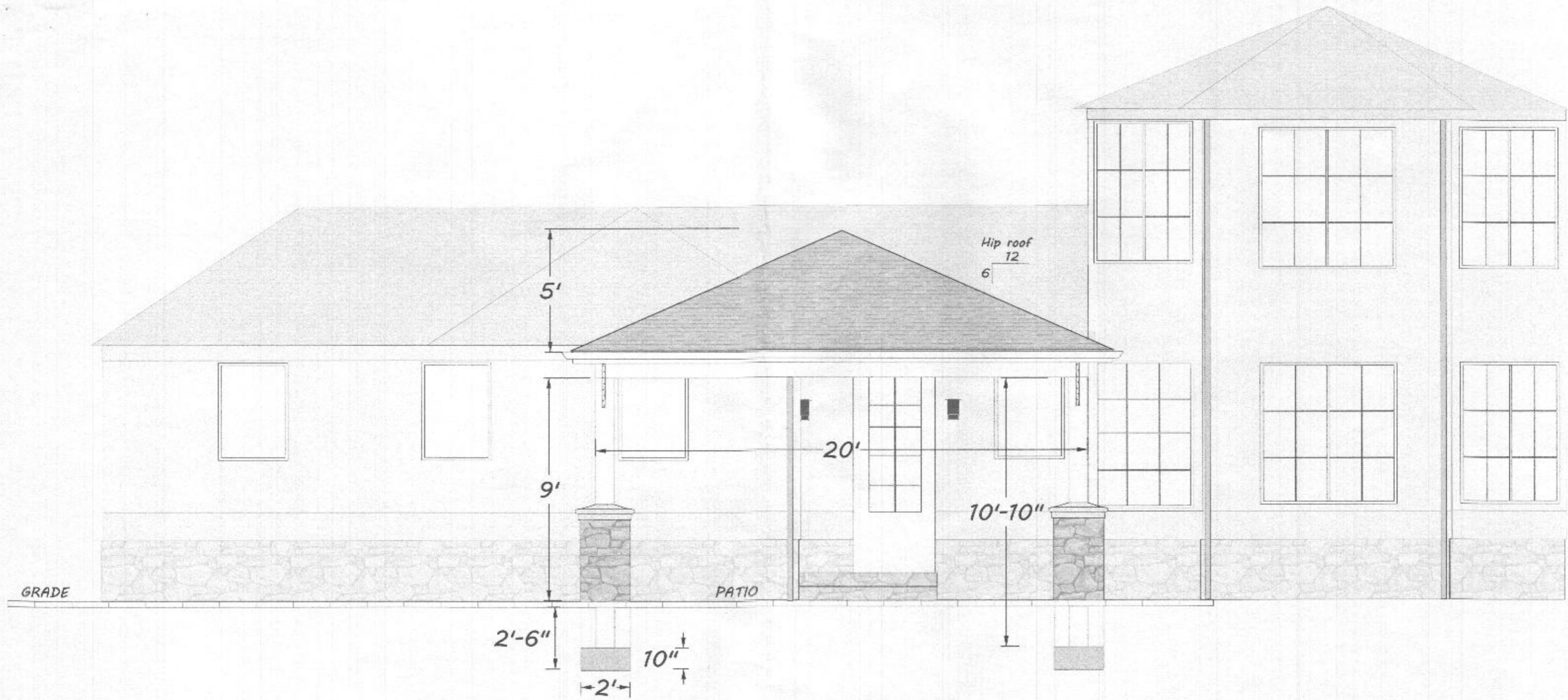
Water/Ice shield coverage

Architectural shingles CERTAINTEED LANDMARK Weather Brown (Same as house)



County office remarks

PAGE 1 FRAMING	Zahid M. Khan 12241 Hayland Farm Way Elicott City MD 21042 Phone: 267 973 4157 Email: zkhansad@hotmail.com	FINE DECKS INC Phone: 410 802 2860 Email: finedecks@gmail.com
	Scale: 1/4" = 1' (on 11 x 17 format)	Lot: Par 1 # 05-597929



County office remarks

**PAGE 2
ELEVATION**

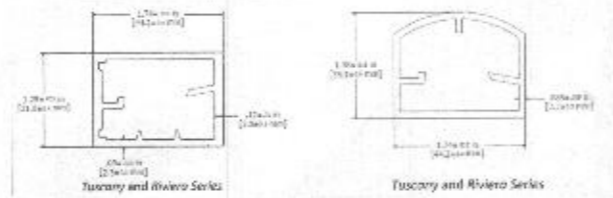
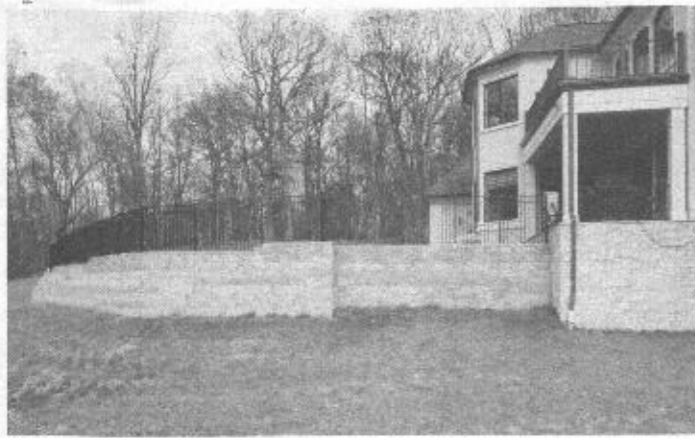
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Lot: Par 1
05-597929

FINE DECKS INC
Phone: 410 802 2860
Email: finedecks@gmail.com

MHIC # 71878



Railing: Westbury aluminum railing

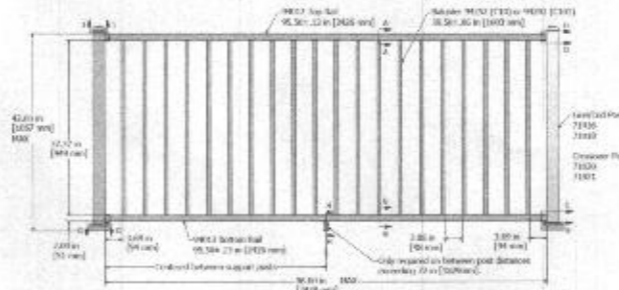
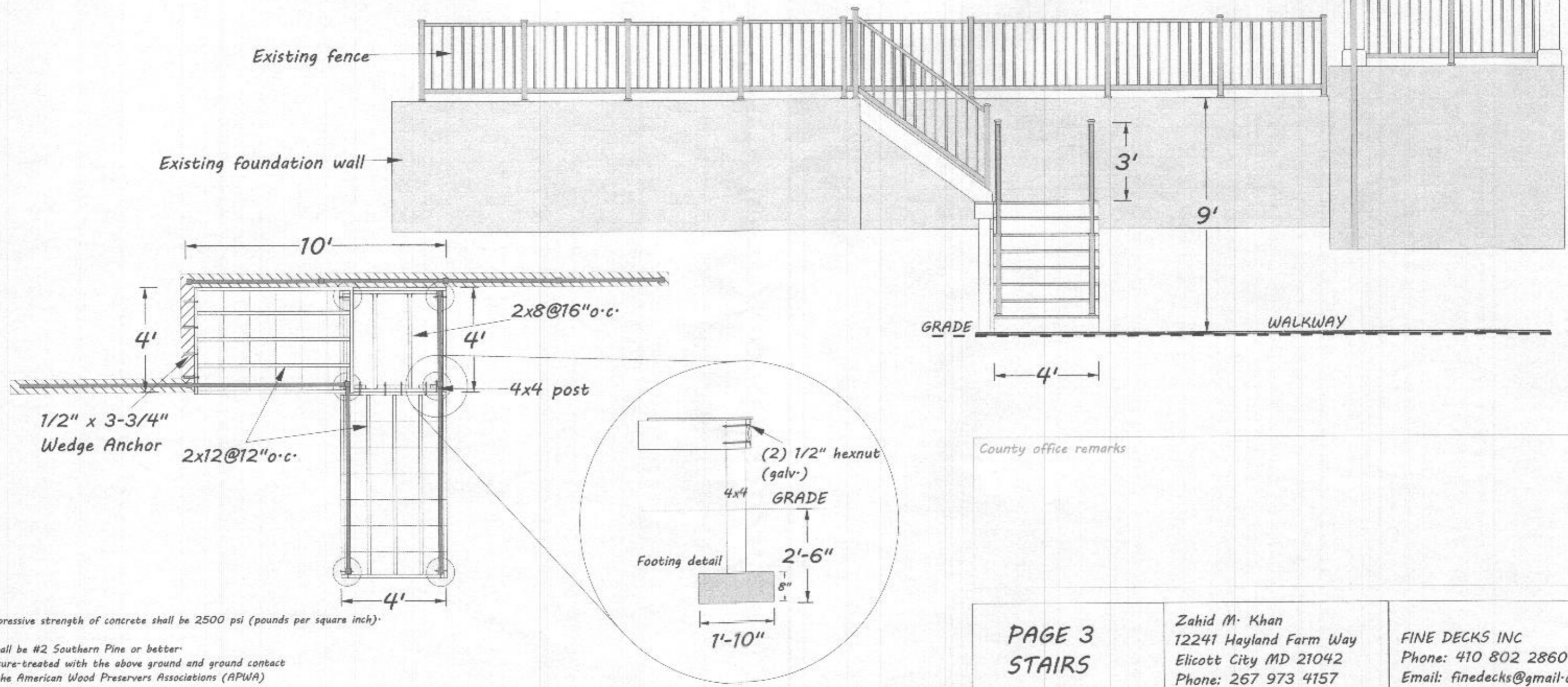
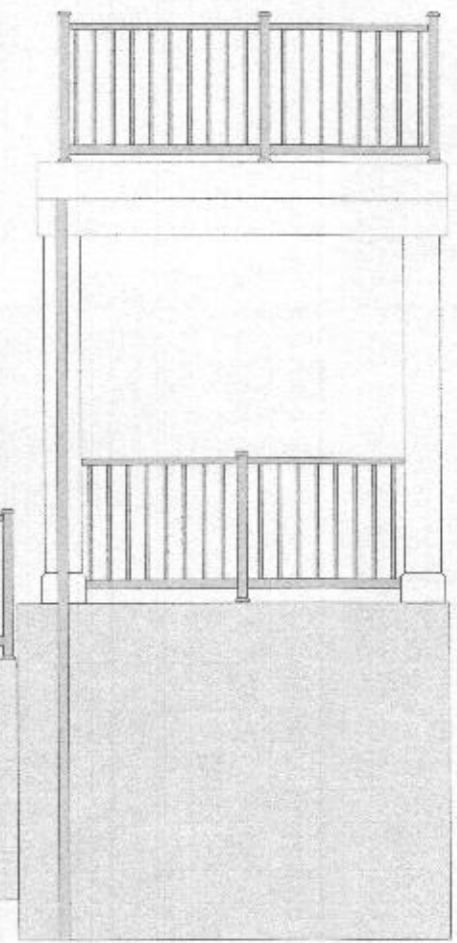


FIGURE 1 - WESTBURY® TUSCANY SERIES STYLE C10/C10L ALUMINUM RAILING SYSTEM



County office remarks

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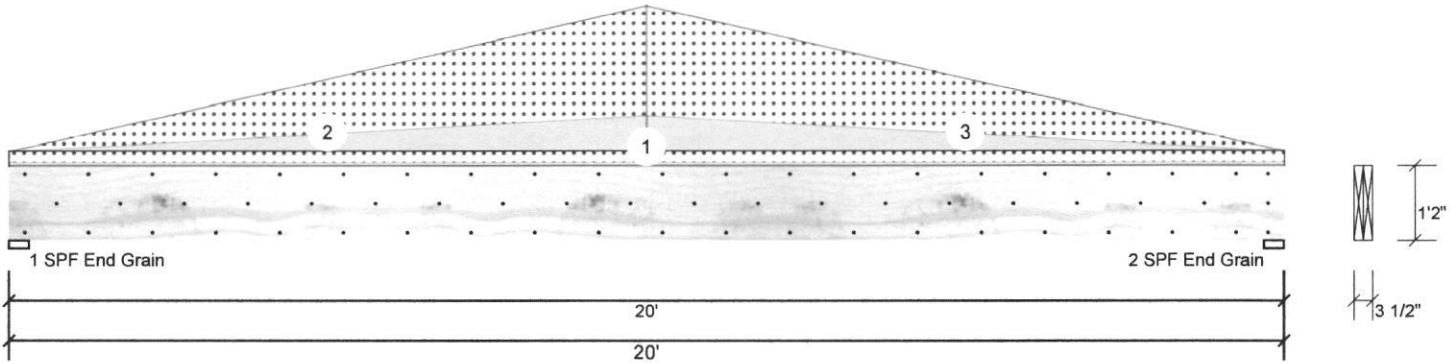
<p>PAGE 3 STAIRS</p> <p>Scale: 1/4" = 1' (on 11 x 17 format)</p>	<p>Zahid M. Khan 12241 Hayland Farm Way Elicott City MD 21042 Phone: 267 973 4157 Email: zkhansad@hotmail.com</p>	<p>FINE DECKS INC Phone: 410 802 2860 Email: finedecks@gmail.com</p>
	<p>Lot: Par 1 # 05-597929</p>	<p>MHIC # 71878</p>



Client: FINE DECKS
 Project:
 Address:

Date: 1/18/2022
 Input by:
 Job Name: KHAN
 Project #: 22005-T

Pavilion perimeter beam Kerto-S LVL 1.750" X 14.000" 2-Ply - PASSED Level: Level



Member Information

Type:	Girder	Application:	Roof
Plies:	2	Slope:	0/12
Moisture Condition:	Dry	Design Method:	ASD
Deflection LL:	240	Building Code:	IRC 2018
Deflection TL:	240	Load Sharing:	No
Importance:	Normal - II	Deck:	Not Checked
Temperature:	Temp <= 100°F		
General Load			
Floor Live:	0 PSF		
Dead:	10 PSF		
Snow:	30 PSF		

Reactions PATTERNED lb (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	709	1800	0	0
2	Vertical	0	709	1800	0	0

Bearings

Bearing	Length	Dir.	Cap.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.750"	Vert	23%	709 / 1800	2509	L	D+S
2 - SPF End Grain	3.750"	Vert	23%	709 / 1800	2509	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	15252 ft-lb	10'	31049 ft-lb	0.491 (49%)	D+S	L
Unbraced	15252 ft-lb	10'	31049 ft-lb	0.491 (49%)	D+S	L
Shear	2403 lb	1'5 3/4"	12021 lb	0.200 (20%)	D+S	L
LL Defl inch	0.483 (L/485)	10' 1/16"	0.975 (L/240)	0.495 (50%)	S	L
TL Defl inch	0.667 (L/351)	10' 1/16"	0.975 (L/240)	0.684 (68%)	D+S	L

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be continuously laterally braced.
- 7 Bottom must be laterally braced at bearings.
- 8 Lateral slenderness ratio based on single ply width x 2.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Top	10 PLF	0 PLF	30 PLF	0 PLF	0 PLF	
2	Tapered Start	0-0-0		Top	0 PLF	0 PLF	0 PLF	0 PLF	0 PLF	
	End	10-0-0		Top	100 PLF	0 PLF	300 PLF	0 PLF	0 PLF	
3	Tapered Start	10-0-0		Top	100 PLF	0 PLF	300 PLF	0 PLF	0 PLF	
	End	20-0-0		Top	0 PLF	0 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				11 PLF					

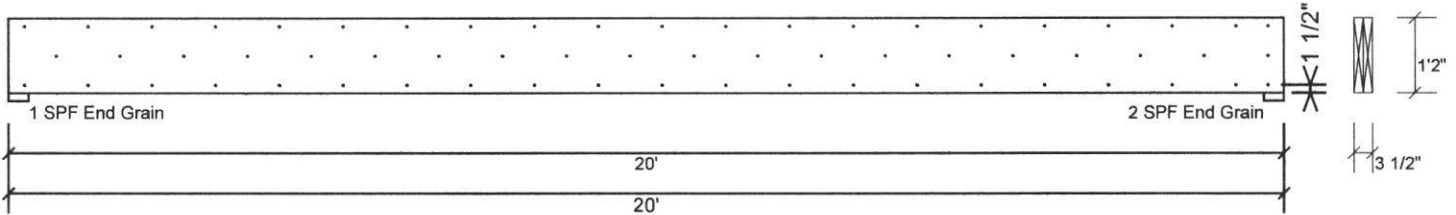
Notes Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads. Lumber 1. Dry service conditions, unless noted otherwise 2. LVL not to be treated with fire retardant or corrosive chemicals	Handling & Installation 1. LVL beams must not be cut or drilled 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals 3. Damaged Beams must not be used 4. Design assumes top edge is laterally restrained 5. Provide lateral support at bearing points to avoid lateral displacement and rotation	5. For flat roofs provide proper drainage to prevent ponding	Manufacturer Info Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us	The J.F. Johnson Lumber Co. LLC. 3120 Solomons Island Rd, MD USA 21037 443-603-1991
			This design is valid until 11/3/2024	



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Pavilion perimeter beam Kerto-S LVL 1.750" X 14.000" 2-Ply - PASSED Level: Level



Multi-Ply Analysis

*Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6".

Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	245.6 PLF
Yield Limit per Fastener	81.9 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Notes

Calculated Structural Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

Lumber

1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive

chemicals

Handling & Installation

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2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
3. Damaged Beams must not be used
4. Design assumes top edge is laterally restrained
5. Provide lateral support at bearing points to avoid lateral displacement and rotation

6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 11/3/2024

Manufacturer Info

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 301 Merritt 7 Building, 2nd Floor
 Norwalk, CT 06851
 (800) 622-5850
www.metsawood.com/us

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