To: Anne Arundel County Permits Department

Re: Permit #B02437309 - 609 Irvin Ave, Deale, MD 20751

Parcel ID: 759704592108

Subject: Request for Setback Encroachment Explanation

Dear Reviewer,

We are submitting this letter in reference to Permit #B02437309 for the property located at **609 Irvin Ave, Deale, MD 20751**.

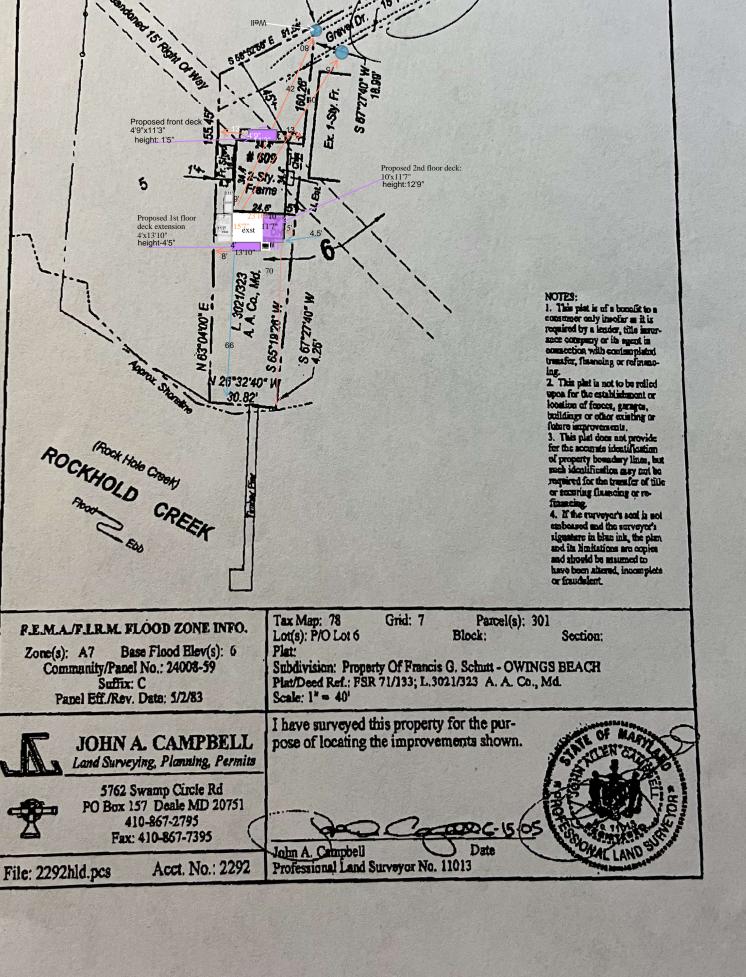
We are requesting approval to encroach into the side yard setback by **2 feet**—from the required **7 feet** to **5 feet**—in order to align the proposed construction with the existing structure of the house, which currently sits at the 5-foot mark. Our intent is to extend the new structure (a deck) to match the existing footprint of the home.

This encroachment does **not obstruct any neighboring sight lines or access**, as the house already has existing decks with similar layouts. The requested adjustment would maintain a consistent appearance within the neighborhood and allow for functional use of the space while preserving the intent of the setback regulations.

We respectfully ask that the County consider this explanation in support of our request. Please let us know if any additional information or documentation is needed.

Thank you for your time and consideration.

Sincerely, Maryland Decking



CRITICAL AREA COMMISSION CHESAPEAKE AND ATLANTIC COASTAL BAYS 1804 WEST STREET, SUITE 100 ANNAPOLIS, MD 21401

PROJECT NOTIFICATION APPLICATION

GENERAL PROJECT INFORMATION

Jurisdiction:	Anne Arunde	1 County			Dat	te: 6-23-25
						FOR RESUBMITTAL ONLY
Tax Map#	Parcel #	Block #	Lot #	Section		Corrections
0078	0301	4	6			Redesign
						No Change
						Non-Critical Area
						_
TD 75	07.0450.0400					*Complete Only Page 1
Tax ID: 755	97-0459-2108					General Project Information
Project Name	e (site name, su	bdivision nam	e, or other)	609 irvin ave- Stu	art Engel- Deck	8
Project locati	on/Address	609 irvin ave				
110]000100						
City Deale					Zip	20751
Local case nu	ımber B02437	7309				
Local case in						
Applicant:	Last name	Domowski			First	name Barnabas
C				=		
Company Ma	aryland Decking					
Application '	Type (check a	ll that apply):				
Building Perr	nit	X		Variance	Г	\mathbf{x}
Buffer Manag		H		Rezoning	F	1
Conditional U		H		Site Plan	-	1
		H			:,,,	
Consistency I		H		Special Except		╡
Disturbance >				Subdivision	F	=
Grading Perm	nit			Other	L	
Local Jurisd	iction Contact	t Information	:			
Last name	AACo Zoning	Administratio	n Section	First name		
Phone #	410-222-743	7	Respo	nse from Comm	ission R	equired By TBD
Fax #				Hearing date		

SPECIFIC PROJECT INFORMATION

Describe Proposed use	of project	site:				
Deck						
Intra-Family Transfer Grandfathered Lot	Yes			Growth Allocation Buffer Exemption Are	Yes a	
Project Type (check al	l that app	oly)			_	
Commercial Consistency Report Industrial Institutional Mixed Use Other				Recreational Redevelopment Residential Shore Erosion Control Water-Dependent Faci	==	
SITE INVENTORY (I	Enter acre	es or square	feet)		Acres	Sq Ft
	Acre	es	Sq Ft	Total Disturbed Area	Acres	390
IDA Area						
LDA Area						
RCA Area				# of Lots Created		
Total Area						
<u> </u>						
		Acres	Sq Ft		Acres	Sq Ft
Existing Forest/Woodland				Existing Lot Coverage		1429
Created Forest/Woodland	/Trees			New Lot Coverage		52
Removed Forest/Woodlan	nd/Trees			Removed Lot Coverage		
				Total Lot Coverage		1481
VARIANCE INFORM	IATION (Q. F.
		Acres	Sq Ft	1	Acres	Sq Ft
Buffer Disturbance				Buffer Forest Clearing		
Non-Buffer Disturbance				Mitigation		
Variance Type Buffer Forest Clearing HPA Impact Lot Coverage Expanded Buffer Nontidal Wetlands Setback Steep Slopes Other			Ba Do Do Ga Ga Pa	Structure cc. Structure Addition arn cck welling welling Addition arage azebo atio cool and		
			O.	ther \square		



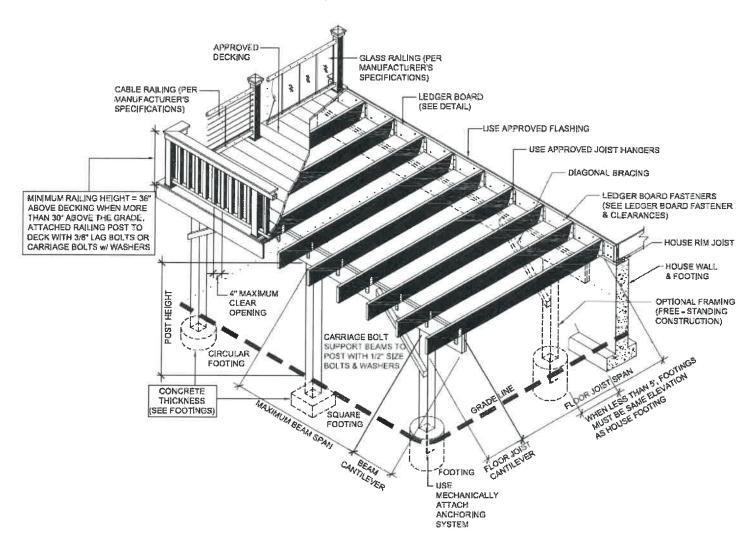
DECK CONSTRUCTION GUIDE

2021 International Residential Code

Building Permit #	
-------------------	--

The intent of this guide is to assist homeowners and contractors to construct exterior wood-framed decks in accordance with the International Residential Code (IRC) – Section R507. Other decks can be built in accordance with IRC Section R301 and other applicable requirements.

This guide is for reference only. Please refer to the International Residential Code for complete details. Final review and approval shall be subjected to plan review and field inspections.



Applicant to first read through all applicable sections of the International Residential Code and all manufacture's requirements to become familiar with all requirements. Then, this guide can be utilized to assist in the design, review, construction and inspection of the deck.

Building permit submittal to include Construction Plans of the deck, scaled Site Plan, Standard Grading Plan (https://www.aacounty.org/departments/inspections-and-permits/forms-and-permits/forms-and-permits/forms-and-publications/permit-forms/CriticalAreaWorksheet.pdf).

The applicant shall fill in these areas below with the applicable information, and attach this first page with their building permit submittal. The other pages of this document do not need to be submitted with the building permit submittal.

FOOTINGS

TO BE COMPLETED BY THE APPLICANT

Footings (Square or Round):

Footing#	Tributary Area (sq.ft.)	Footing Length / Diameter (inches)	Footing Thickness (inches)
F1	60	22	8
F2	60	22	8
F3	10	18	8
F4	14	18	8
F5	14	18	8

DECK POSTS

TO BE COMPLETED BY THE APPLICANT						
Post #	Tributary Area (sq.ft.)	Post Size (inches)	Post Height (feet- inches)			
C1	60	6x6	12'-9"			
C2	60	6x6	12'-9"			
C3	10	6x6	4'-5"			
C4	14	6x6	1'-5"			
C5	14	6x6	1'-5"			

DECK BEAMS

TO BE COMPLETED BY THE APPLICANT

(3) 2x12, (2) 2x10,
(2) 2x12
11'-7", 4'-0",
4'-9"
10'-0", 9'-10"
11'-3"
0

DECK JOISTS

TO BE COMPLETED BY THE APPLICANT

Joist Size:	2x8
1.1.1.0	11'-7", 4'-0",
Joist Span:	4'-9"
Joist Spacing:	16"
Joist Cantilever:	0

GENERAL / MISCELLANEOUS REQUIREMENTS

- 1. Decks are not approved for future hot tub installations.
- 2. Decks to maintain a minimum distance of 30 feet from wells.
- 3. Decks shall not be attached to overhangs, bay windows or chimneys.
- 4. Wood materials used for the construction of decks shall be No. 2 grade or better lumber, preservative-treated in accordance with IRC; R317. Cuts, notches and drilled holes of preservative treated wood members shall be treated in accordance with IRC; R317.1.1. All preservative-treated wood products in contact with the ground shall be labeled for such usage.
- 5. Flashing shall be corrosion-resistant metal of nominal thickness not less than 0.019 inch or *approved* nonmetallic material that is compatible with the substrate of the structure and the decking materials.
- 6. Emergency escape and rescue openings located under decks shall be fully openable and provide a path not less than 36 inches in height and width to a yard or court.
- 7. All decks that are withing 4 inches of the house shall have at least one receptacle outlet accessible from the deck per the National Electrical Code Section 210.52(E)(3).
- All nails, bolts, screws, nuts, washers are to be hot-dipped galvanized per ASTM A153, Class C (Class D for 3/8-inch diameter and less), stainless steel, silicon bronze, or copper. Fasteners other than nails can be of mechanically galvanized per ASTM B695 Class 55 or stainless steel.
- 9. All connectors are to be ASTM A653 type G185 zinc coated galvanized steel or post hot-dipped galvanized per ASTM A123 providing a minimum average coating weight of 2.0 oz./ft² (total both sides), or stainless steel.
- 10. Before you dig call MISS UTILITY 1-800-257-7777 (2-day notice is required). Please note that the Maryland High Voltage Line Act prohibits any person or object from getting closer than 10 feet to high voltage power lines.

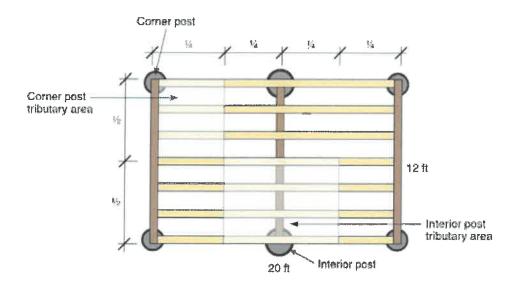
FOOTINGS

Footings to be a minimum of 30 inches deep for attached decks. Footings must bear on undisturbed soil.

Footing size is based on IRC; Table R507.3.1 for a load of 50 psf with a soil bearing capacity of 2000 psf.

MINIMUM FOOTING SIZE							
Tributary Area (sq.ft.)	Side of a Square Footing (inches)	Diameter of a Round Footing (inches)	Thickness (inches)				
5	7	8	6				
20	10	11	6				
40	13	15	6				
60	16	18	6				
80	19	21	6				
100	21	23	7				
120	23	26	8				
140	25	28	9				
160	26	30	10				

Below is an example of how to calculate the Tributary Area:



Tributary Area – Interior Post Length is $\frac{1}{2}$ of total length = 20 ft x $\frac{1}{2}$ = 10 ft Width is $\frac{1}{2}$ of total width = 12 ft x $\frac{1}{2}$ = 6 ft Area = 10 ft x 6 ft = 60 ft² Footing Size – Interior Post Min. 18 in. diameter Min. 6 in. thick

DECK POSTS

Post size is based on IRC; Table R507.4, for a 40 psf live load, utilizing southern pine post species.

Deck Post			Т	ributary A	rea (sq.ft.)			
Size	20	40	60	80	100	120	140	160
(inches)			Maximum	Deck Post	Height (fee	et-inches)		
4x4	14'-0"	13'-8"	11'-0"	9'-5"	8'-4"	7'-5"	6'-9"	6'-2"
4x6	14'-0"	14'-0"	13'-11"	12'-0"	10'-8"	9'-8"	8'-10"	8'-2"
6x6	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"
8x8	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"

Where deck posts bear on concrete footings, lateral restraint shall be provided by manufactured connectors or a minimum post embedment of 12 inches in concrete piers.

DECK BEAMS

Beam size is based on IRC; Table R507.5, for a 40 psf live load, utilizing southern pine beam species.

MAXIMUM BEAM SPAN LENGTH (feet-inches)								
	Deck Joist Span Less Than or Equal to (feet):							
Beam Size	6	8	10	12	14	16	18	
1 (2x6)	4'-7"	4'-0"	3'-7"	3'-3"	3'-0"	2'-10"	2'-8"	
1 (2x8)	5'-11"	5'-1"	4'-7"	4'-2"	3'-10"	3'-7"	3'-5"	
1 (2x10)	7'-0"	6'-0"	5'-5"	4'-11"	4'-7"	4'-3"	4'-0"	
1 (2x12)	8'-3"	7'-1"	6'-4"	5'-10"	5'-5"	5'-0"	4'-9"	
2 (2x6)	6'-11"	5'-11"	5'-4"	4'-10"	4'-6"	4'-3"	4'-0"	
2 (2x8)	8'-9"	7'-7"	6'-9"	6'-2"	5'-9"	5'-4"	5'-0"	
2 (2x10)	10'-4"	9'-0"	8'-0"	7'-4"	6'-9"	6'-4"	6'-0"	
2 (2x12)	12'-2"	10'-7"	9'-5"	8'-7"	8'-0"	7'-5"	7'-0"	
3 (2x6)	8'-6"	7'-5"	6'-8"	6'-1"	5'-8"	5'-3"	4'-11'	
3 (2x8)	10'-11"	9'-6"	8'-6"	7'-9"	7'-2"	6'-8"	6'-4"	
3 (2x10)	13'-0"	11'-2"	10'-0"	9'-2"	8'-6"	7'-11"	7'-6"	
3 (2x12)	15'-3"	13'-3"	11'-10"	10'-9"	10'-0"	9'-4"	8'-10'	

The maximum beam cantilever is allowed to be ¼ of the beam span length. Below is an example:



Calculation of Maximum Cantilever Span Length

DECK JOISTS

Maximum allowable spans for joists shall be in accordance with the table below based on IRC; Table R507.6, for a 40 psf live load, utilizing southern pine beam species.

Allowable Joist Span							
Joist Size	Joist Spacing (inches)						
J013t 312C	12	16	24				
2 x 6	9'-11"	9'-0"	7'-7"				
2 x 8	13'-1"	11'-10"	9'-8"				
2 x 10	16'-2"	14'-0"	11'-5"				
2 x 12	18'-0"	16'-6"	13'-6"				

Maximum allowable cantilever for joists shall be in accordance with the table below based on IRC; Table R507.6, for a 40 psf live load, utilizing southern pine beam species.

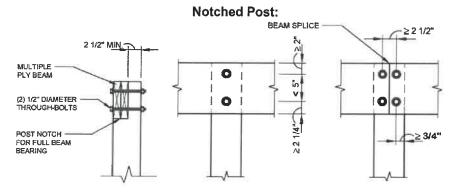
Maximum Cantilever								
Joist Size				Joist Back	Span (feet)		
30136 3126	4	6	8	10	12	14	16	18
2 x 6	1'-0"	1'-6"	1'-5"	NP	NP	NP	NP	NP
2 x 8	1'-0"	1'-6"	2'-0"	2'-6"	2'-3"	NP	NP	NP
2 x 10	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-4"	3'-4"	NP
2 x 12	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-1"

DECKING

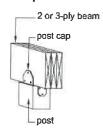
Maximum allowable spacing for joists supporting decking (excluding stairways) shall be in accordance with the table below based on IRC; Table R507.7. Wood decking shall be attached to each supporting member with not less than two 8d threaded nails or two No. 8 wood screws.

	MAXIMUM	JOIST SPACING FOR WO	OD DECKING				
Decking Material Type and Size	Decking Perpe	ndicular to Joist	Decking Diagonal to Joist				
	Single Span	Multiple Span	Single Span	Multiple Span			
	MAXIMUM ON-CENTER JOIST SPACING						
1 1/4 inch thick wood	12 inches	16 inches	8 inches	12 inches			
2 inch thick wood	24 inches	24 inches	18 inches	24 inches			

DECK POSTS TO BEAM CONNECTION



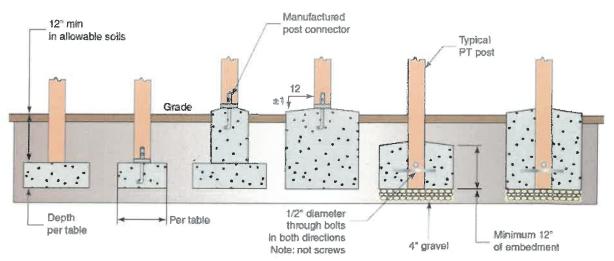
Post Cap:



Prohibited Connection:



DECK POSTS TO FOOTINGS CONNECTION:



Note: Posts must be centered on or in footing.

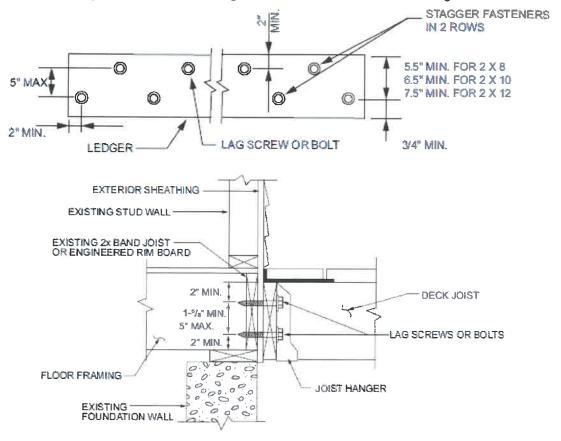
VERTICAL SUPPORT (DECK LEDGER)

Vertical loads of the deck shall be transferred to band joists with ledgers. Deck ledgers shall be a minimum 2-inch by 8-inch nominal, pressure-preservative-treated Southern pine, incised pressure-preservative-treated hem-fir, or approved, naturally durable, No. 2 grade or better lumber. Deck ledgers shall not be supported on stone or masonry veneer. Ledgers shall be flashed in accordance with IRC; R703.4. Band joists supporting a ledger shall be a minimum 2-inchnominal, solid-sawn, spruce-pine-fir or better lumber or a minimum 1-inch by 9-1/2-inch dimensional, Douglas fir or better, laminated veneer lumber. Band joists shall bear fully on the primary structure capable of supporting all required loads. For decks with cantilevered framing members, connection of the band joist to ledger shall be designed and constructed to resist uplift resulting from 40 psf acting on the cantilevered portion of the deck.

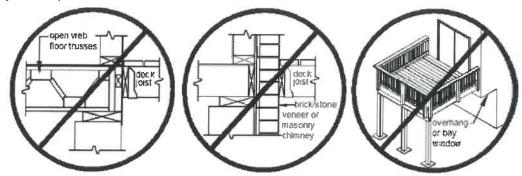
Fasteners used in deck ledger connections shall be in accordance with the table below. Fasteners shall be hot-dipped galvanized or stainless steel. Fasteners are not permitted to be nails subject to withdrawal.

	C	ECK LEDGER	CONNECTION	TO BAND JO	IST				
Connection Details	Joist Span								
	6' and less	6'-1" to 8'	8'-1" to 10'	10'-1" to 12'	12'-1" to 14'	14'-1" to 16'	16'-1" to 18'		
	On-center Spacing of Fasteners (inches)								
1/2-inch diameter lag screw with 1/2-inch maximum sheathing	30	23	18	15	13	11	10		
1/2-inch diameter bolt with 1/2-inch maximum sheathing	36	36	34	29	24	21	19		
1/2-inch diameter bolt with 1-inch maximum sheathing	36	36	29	24	21	18	16		

Placement and spacing of lag screws and bolts in ledgers shall be in accordance with the figure below:



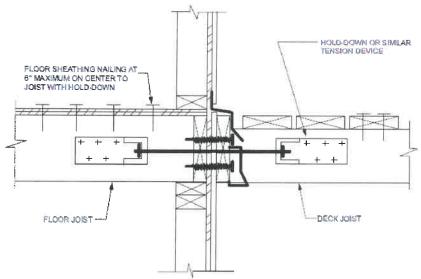
Prohibited ledger attachments are (with open web floor trusses, to brick/stone veneer or masonry chimney, and to an overhang or bay window):



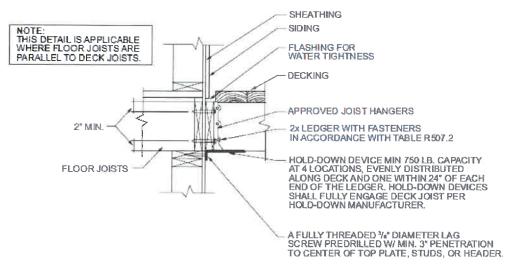
LATERAL CONNECTIONS

Lateral loads shall be transferred to the ground or to a structure capable of transmitting them to the ground.

Where the lateral load connection is with holddown tension devices, they shall be installed in not less than two locations per deck, within 24 inches of each end of the deck. Each device shall have an allowable stress design capacity of not less than 1,500 pounds. See figure below:



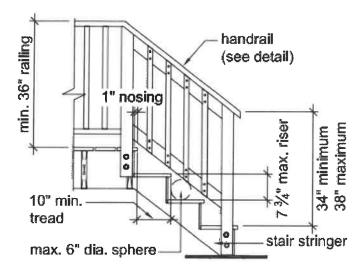
Where the lateral load connections are provided with hold-down tension devices, they shall be installed in not less than four locations per deck, and each device shall have an allowable stress design capacity of not less than 750 pounds. See figure below:



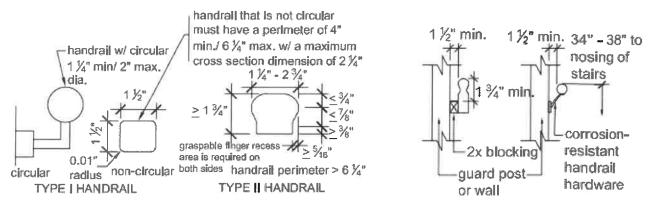
STAIRS, GUARDRAILS AND HANDRAILS

Stairs, guardrails and handrails are to be in accordance with IRC Sections R311 and R312 and the figures below:

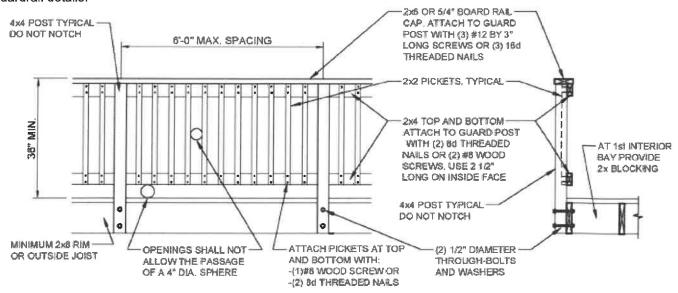
Stair detail:



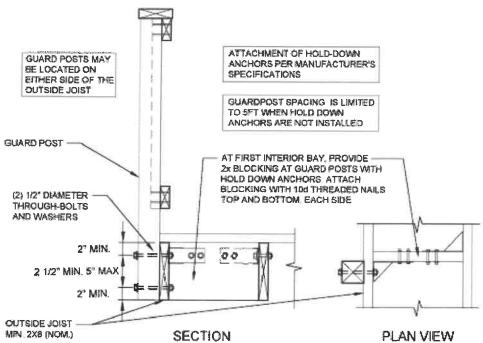
Handrails shall be continuous for the full length of the stairs, from a point directly above the top riser to a point directly above the lowest riser. Handrail ends shall be returned of shall terminate in newel posts or safety terminals. Handrail size and connection details:



Guardrail details:



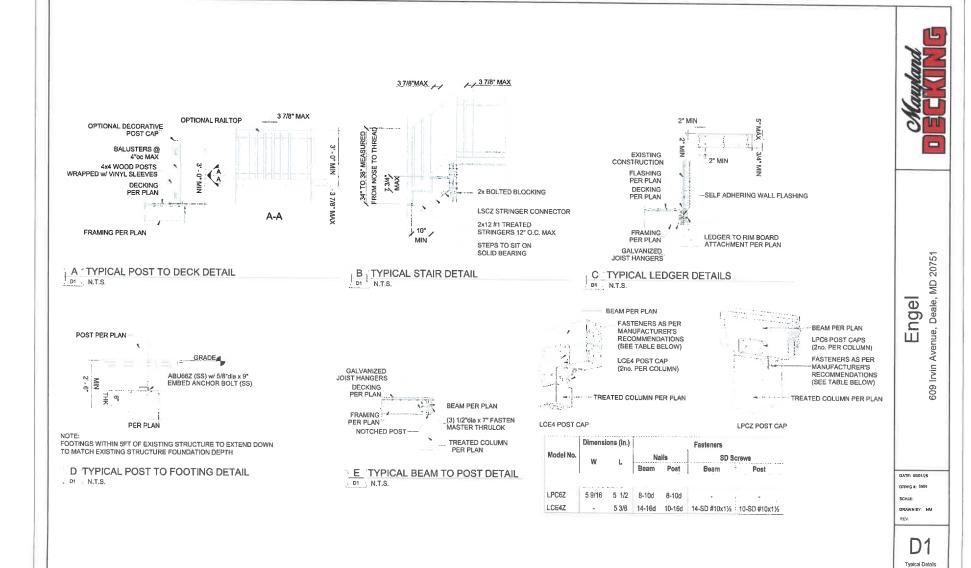
Guardrail post connection to deck:

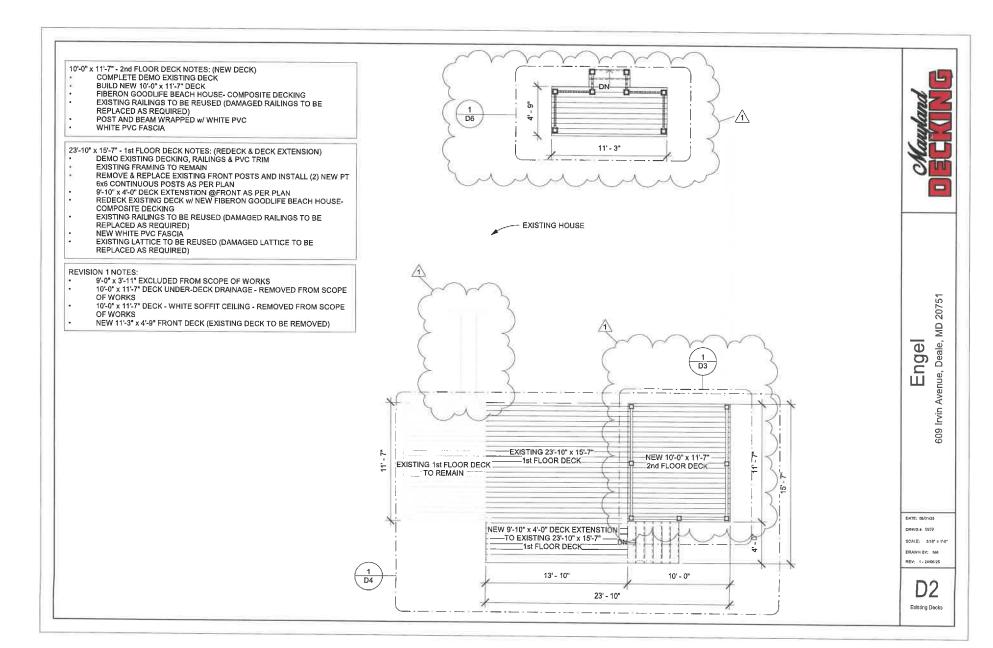


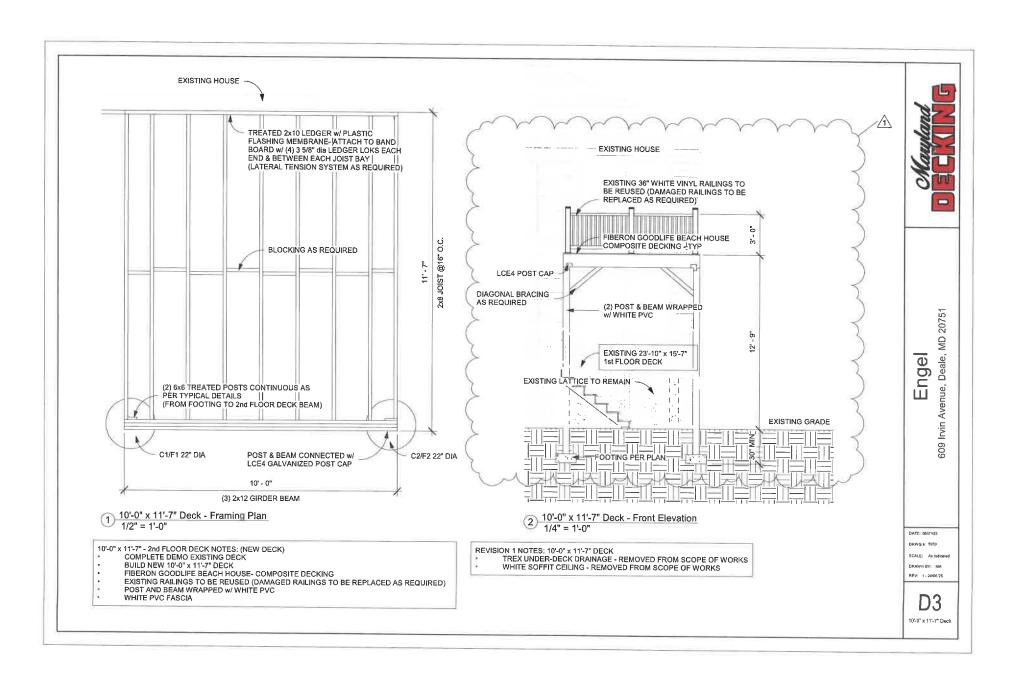
INSPECTIONS

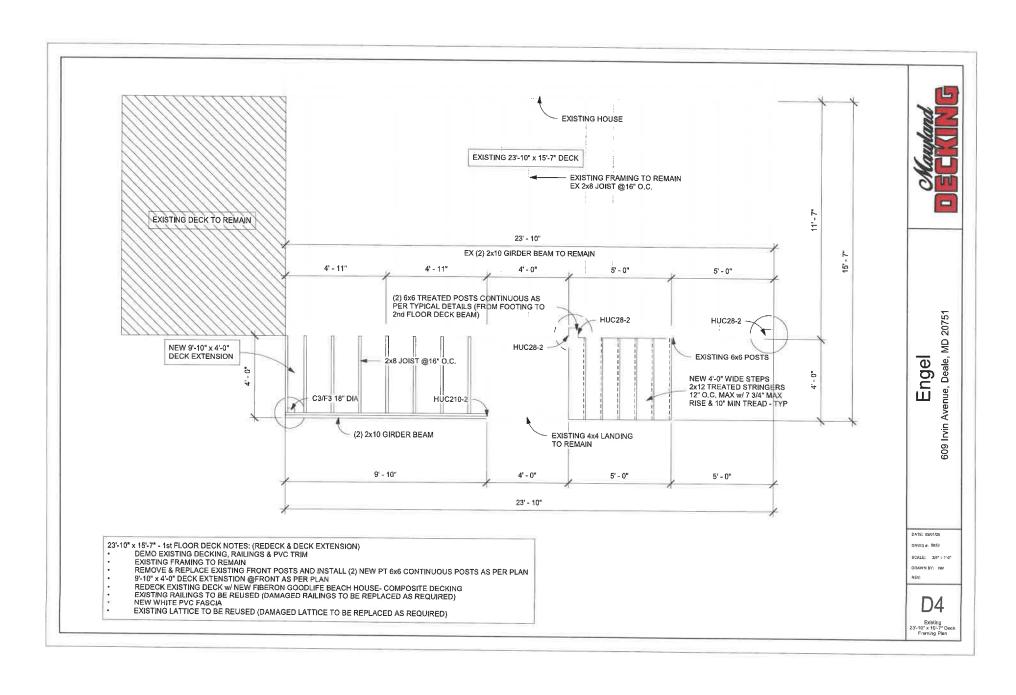
The applicant is required to obtain inspections from the County for their constructed deck. Inspections are required for Footings, Framing and Final.

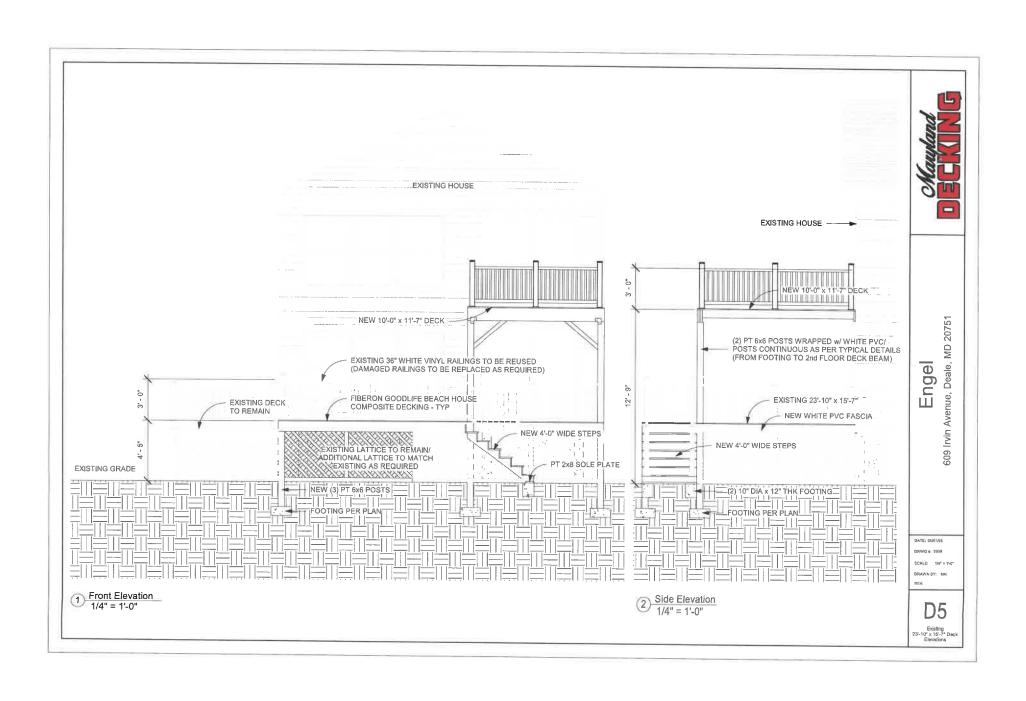
To schedule an inspection utilize the LUN system at: aacounty.org/LUN

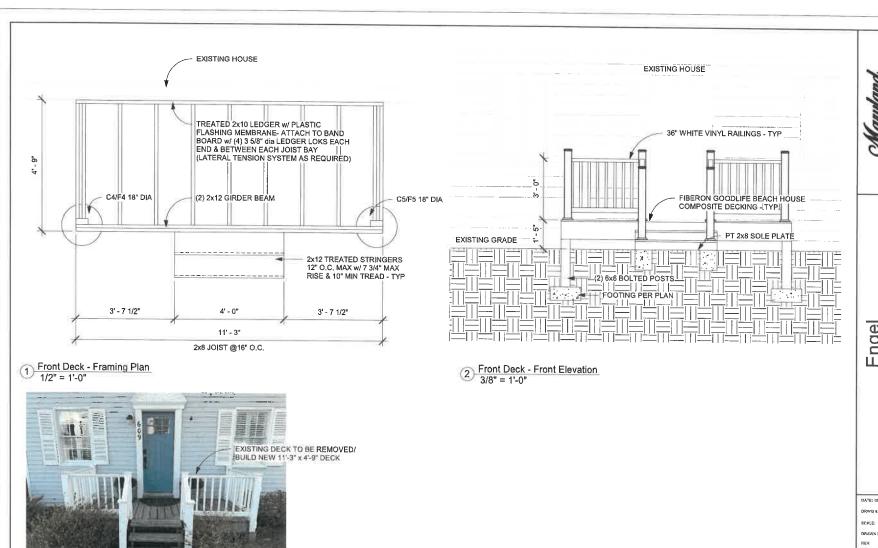












Engel

DATE: 05/01/25
DRWG #: 5959
SCALE: As Indicated
DRAWN BY: NM

D6 New 11'-3" x 4'-9" Front Deck