

Approved 11.10.22
- H.O.

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Record Detail * (This section is required.)

Permit Type	Permit Number	Opened Date
Building/Residential/Alteration/SFD	B22004122	11/02/2022

Description of Work
 SFD/INTERIOR ALTERATIONS - REMODEL KITCHEN, REMOVE (1) NON-LOAD BEARING WALL BETWEEN KITCHEN AND BREAKFAST ROOM, REMOVE (1) SECTION OF LOAD BEARING WALL BETWEEN KITCHEN AND LIVING ROOM, CONSTRUCT A 3'-6" X 5' CLOSET FOR NEW WASHER/DRYER ON 2ND FLOOR, APPROX 800 SQ FT

[check spelling](#)

Address * (This section is required.)

Search Reset Clear Get Parcel & Owner

Street #	Street Name	Street Type
2918	ORDWAY	DR
Unit Type	Unit #	X Coordinate
--Select--		-76.93143
		Y Coordinate
		39.28857
City	State	Zip Code
ELLCOTT CITY	MD	21042
	Primary	
	Yes	

Parcel * (This section is required.)

Search Reset Clear Get Address & Owner

GIS ID *	Parcel	Parcel Area	Land Value	Improved Value	Exemption Value	Plan Area
902427	242	40162	237500	518000	280500	RURAL

Legal Description
 IMPSPLOT 15 BL A .922 A[]2918 ORDWAY DR[]GREEN HENGE S 3

[check spelling](#)

Block	Lot	Census Tract	Council Dist	Inspection Dist	Supervisor Dist	Map #	DAP Zone
	15	603000	5				
Plan Area	State Tax Id	Subdivision Name					
	1403298507						
Section	Area	Tax Map					
		16					
Grid	Zoning District	ADC Map					
16-19	RR-DEO	4814-A4					
SDP No.	Final Plan No.	WP File No.					
Record Plat No.	WS Contract No.	FDP No.	Primary				
10 98			Yes				
Owner Occupied	Year Built	Historic District					
<input type="radio"/> Yes <input type="radio"/> No	1969	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Historic District Registry No.	Stat Area	Flood Plain					
	3-06A	<input type="radio"/> Yes <input checked="" type="radio"/> No					
Building No							

Owner (This section is not required.)

Search Reset Clear

Name *
 SNOW COLIN J
Address Line 1
 2918 ORDWAY DR
Address Line 2

Address Line 3

Mail City
 ELLCOTT CITY
Phone
 443-926-3539

Mail State	Mail Zip Code
MD	21042
Primary	
Yes	

E-mail

Cell Number

Fax Number

Professionals (This section is not required.)

Search Reset Clear

License # * 08050138103
 License Type * MHIC Co
 Primary Yes

Business Name WAVERLY HOME IMPROVEMENT LLC
 First Name ADDISON Middle Name Last Name BOND
 Address Line 1 13528 AUTUMN CREST DR S
 Address Line 2

City MT AIRY State MD ZIP Code 21771-0000
 Phone 1 4437423968 Phone 2 Fax
 E-mail AEBOND90@GMAIL.COM

Applicant (This section is not required.)

Search As Owner As Lic. Prof As Contact

Type * Applicant
 Relationship Applicant
 Primary No

First Name ADDISON MI Last Name BOND
 Full Name
 Organization Name WAVERLY HOME IMPROVEMENT LLC
 Street Address 13528 AUTUMN CREST DR S
 Address Line 2

City MT AIRY State MD Zip Code 21771-0000
 Phone 4437423968 Cell Fax
 E-mail * AEBOND90@GMAIL.COM

Contact (This section is not required.)

Search As Owner As Lic. Prof As Contact

Type Contact
 Relationship Licensed Professional
 Primary Yes

First Name Addison MI Last Name Bond
 Full Name Addison Ewing Bond
 Organization Name Waverly Home Improvement LLC
 Street Address 13528 Autumn Crest Dr S
 Address Line 2

City Mt Airy State MD Zip Code 21771
 Phone 443-742-3968 Cell Fax
 E-mail waverlyhomeimprovement@gmail.com

Addtl Info

Est Construction Cost * 50000
 Housing Units * 0
 Number of Buildings * 0
 Public Owned No

Construction Type 434 - Additions, Alterations and Conversions - Residential

RESIDENTIAL ALTERATION INFO

RESIDENTIAL ALTERATION INFORMATION

Total Square Footage *	No of Stories *	Basement	Bedrooms	Full Baths	Half Baths	Water *	Sewage *
750	2	--Select--				Private	Private
Existing Utilities *	Existing Heating System *	Existing Sprinkler System *	Type of New Fireplace	Expiration Date	Fee Exempt *		
Electric	Electric	None	--Select--	5/8/2023	<input type="radio"/> Yes <input checked="" type="radio"/> No		

PAYMENT INFORMATION

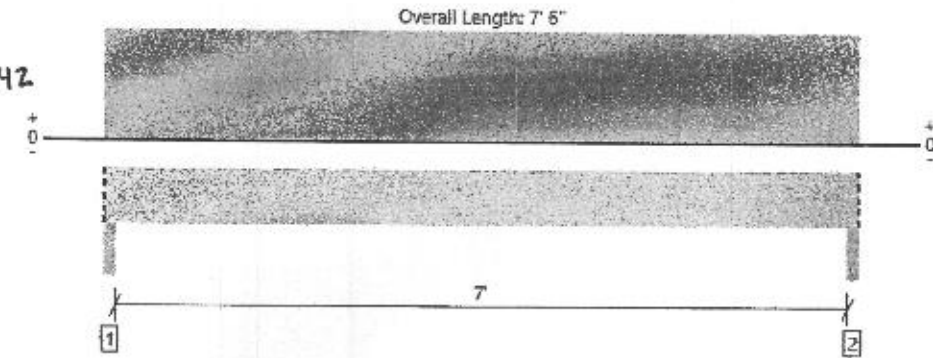
Check 1	Payee 1	Check 2	Payee 2	SAP Doc No	SAP Entered

Submit Cancel

Load Bearing Wall Calcs

Level, Floor: Drop Beam
2 piece(s) 2 x 12 SPF No.1/No.2

2918 Ordway Dr
Ellicott City, MD 21042



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.

Design Results	Actual @ Location	Allowed	Result	IDF	Load Combination (Pattern)
Member Reaction (lbs)	2395 @ 1' 1/2"	3825 (3.00")	Passed (63%)	-	1.0 D + 1.0 L (All Spans)
Shear (lbs)	1636 @ 1' 2 1/4"	3038	Passed (54%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	4195 @ 3' 9"	4614	Passed (91%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.052 @ 3' 9"	0.242	Passed (L/999+)	-	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.080 @ 3' 9"	0.363	Passed (L/999+)	-	1.0 D + 1.0 L (All Spans)

System : Floor
Member Type : Drop Beam
Building Use : Residential
Building Code : IBC 2018
Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.
- Applicable calculations are based on NDS.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Factored	
1 - Column - SPF	3.00"	3.00"	1.88"	820	1575	2395	Blocking
2 - Column - SPF	3.00"	3.00"	1.88"	820	1575	2395	Blocking

• Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lx)	6' 7" o/c	
Bottom Edge (Lx)	7' 6" o/c	

•Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
0 - Self Weight (PLF)	0 to 7' 6"	N/A	8.6	-	
1 - Uniform (FSF)	0 to 7' 6" (Front)	14'	15.0	30.0	Default Load

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The product application, input design loads, dimensions and support information have been provided by ForteWEB Software Operator

ForteWEB Software Operator	Job Notes
Tim Graham PWA (301) 801-7904 grahim@comcast.net	



Steel Beam Calcs

2918 Ordway Dr
Ellicott City, MD 21042

BeamChek v2020 licensed to: plymouth road architects Reg # 5508-68744

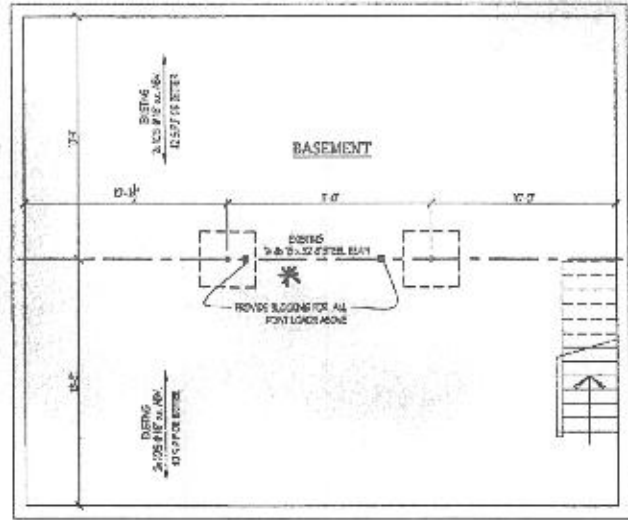
Date: 10/21/22

Selection	W 8x 15 36 ksi Wide Flange Steel		Lateral Support: Lc = 4.2 ft max.			
Conditions	Actual Size is 4 x 8-1/8 in. Min Bearing Length R1= 0.8 in. R2= 0.8 in. (1.0) DL Defl= 0.10 in Recom Camber= 0.15 in					
Data	Beam Span	11.0 ft	Reaction 1 LL	5514 #	Reaction 2 LL	5476 #
	Beam Wt per ft	15.0 #	Reaction 1 TL	8013 #	Reaction 2 TL	7942 #
	Bm Wt Included	165 #	Maximum V	8013 #		
	Max Moment	18536 #	Max V (Reduced)	N/A		
	TL Max Defl	L / 240	TL Actual Defl	L / 412		
	LL Max Defl	L / 360	LL Actual Defl	L / 594		
Attributes	Section (in ³)	Shear (in ²)	TL Defl (in)	LL Defl		
Actual	11.80	1.99	0.32	0.22		
Critical	9.36	0.56	0.55	0.37		
Status	OK	OK	OK	OK		
Ratio	79%	28%	58%	61%		
Values		Fb (psi)	Fv (psi)	E (psi x mil)		
	Ref. Value Fy	36000	36000	29.0		
	Adjusted Values	23760	14400	29.0		
Adjustments	YP Factor, Lc	0.66	0.40			
At Point Loads: Provide these minimum bearing lengths in inches or provide web stiffeners. B = 0.8 C = 0.8						

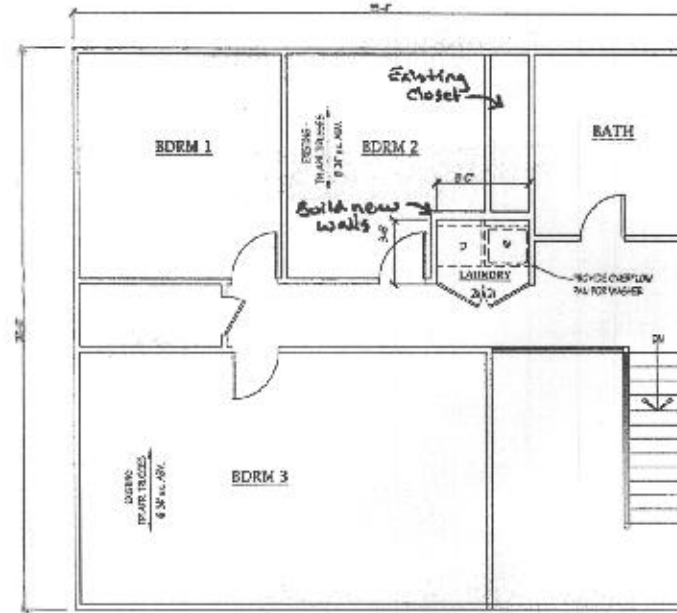
Loads						
Point LL	Point TL	Distance	Par Unif LL	Par Unif TL	Start	End
1575	B = 2400	1.0	980	H = 1400	0	1.0
1575	C = 2400	8.0	980	I = 1400	8.0	11.0
			560	J = 770	1.0	8.0



SPAN = 11 FT
Uniform and partial uniform loads are lbs per lineal ft.

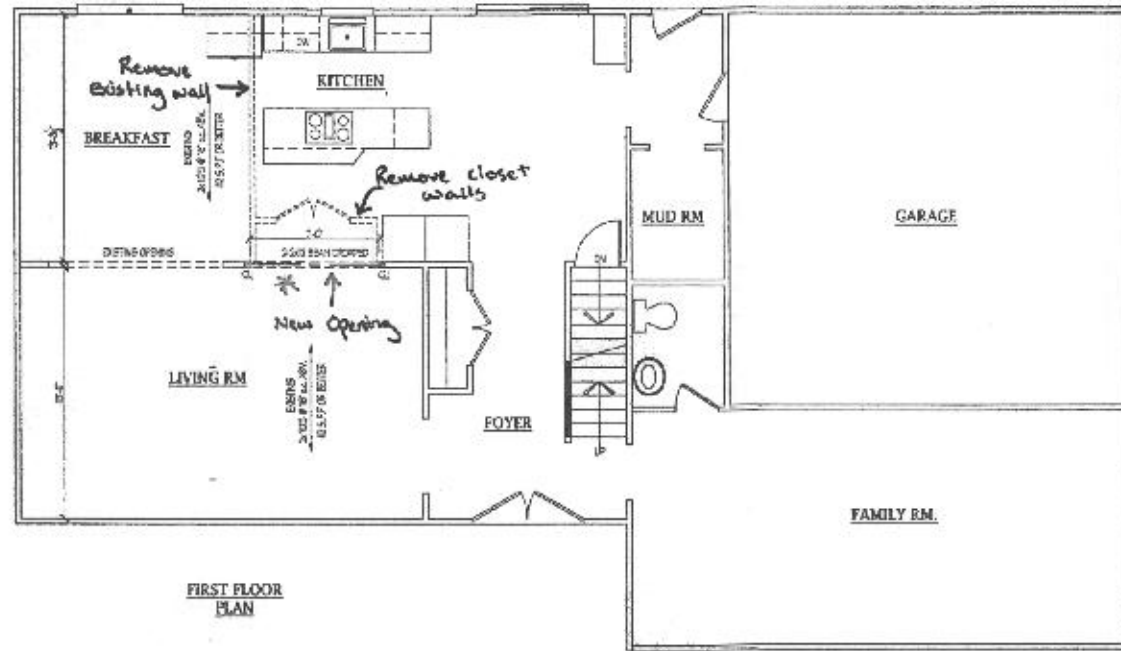


BASEMENT PLAN



SECOND FLOOR PLAN

* Load Calcs attached



FIRST FLOOR PLAN

Description of work:

- SFD/Alterations to existing dwelling to include-
 - ↳ Remodel kitchen
 - ↳ Remove (1) non load-bearing wall between kitchen and breakfast room
 - ↳ Remove (1) section of load bearing wall between kitchen and living room
 - ↳ Construct a 3'-6" x 5'-0" closet for a new washer/dryer on 2nd floor.
 - ↳ Approx. 800 sqft

BID AND PERMIT SET 10.24.22

Project No.: 2022-11	Notes:
Date: 10/22	2913 Ordway Dr Ellicott City, MD 21042
Scale: 1/4" = 1'-0"	
1	

Waverly Home Improvement LLC

Contact Info: Addison Bond
443-742-5968
waverlyhomeimprovement@gmail.com

11/8/2022