Save

Reset

Cancel

Help

Record Detail * (This section is required.)

Permit Type	Permit Number	Opened Date	
Building/Residential/Alteration/SFD	B22004594	12/22/2022	а
Description of Work			
"SFD/ Interior alterations to existing dwelling to inclu		D DI ANGLIDI GAE	\FD
bath, full hall bath, and kitchen. Add 1st story mudre STATE REMOVAL OF ANY WORK IN BASEMENT			ED

check spelling

Address * (This section is required.)

Search		Reset	Clear	Get Parcel 8	Owner		
Street #		Street Name			St	reet Type	
12850		TRIADELPHIA	A		R	D	~
Unit Type		Unit #	X Coordin	ate	Y Coordi	nate	
-Select	~		-76.9594		39.27424	1	
City			State	Zip C	ode	Primary	
ELLICOTT	CITY		MD	2104	2	Yes	~

Parcel * (This section is required.)

Search	Reset	Clear Get A	ddress & Owner			
GIS ID - 896823	Parcel	Parcel Area	Land Value 250700	Improved Value	Exemption Value	Plan Area RURAL
Legal Descr	iption	TRIADELPHIA RD[]S			133700	KOIOL

check spelling

Block	Lot 1	Census Tract 603000	Council Dist 5	Inspection Dist	Supervisor Dist	Map#	DAP Zone
Plan Area		State Tax Id 1403284395	Sub-	division Name			
Section		Area	Tax	Мар			
			22				
Grid		Zoning District	ADC	Мар			
22-10		RR-DEO	481	3-G7			
SDP No.		Final Plan No.	WP	File No.			
					Primary		
Record Plan 10 91	t No.	WS Contract No.	FDP	No.	Yes	~	
Owner Occ	upied	Year Built	Hist	oric District			
O Yes O	No	1969	0,	res No			
Historic Dis	strict Registry No.	Stat Area	Floo	d Plain			
		3-08A	0	res No			
Building No							

Owner (This section is not required.)

Search	Reset	Clear			
Name *					
HEINLEIN M	MAYDEN DELA	INE E			
Address Lin	e 1				
12850 Triade	elphia Rd				
Address Lin	e 2				
Address Lin	e 3				
Mail City		Mail State		Mail Zip Code	
Ellicott City		MD	~	21042	
Phone		Primary			
443-622-458	38	Yes			~
E-mail					
dedeheinleir	n@gmail.com				
Cell Number		Fax Number			

Professionals (This section is not required.)

License # * Business Name
0 HOMEOWNER

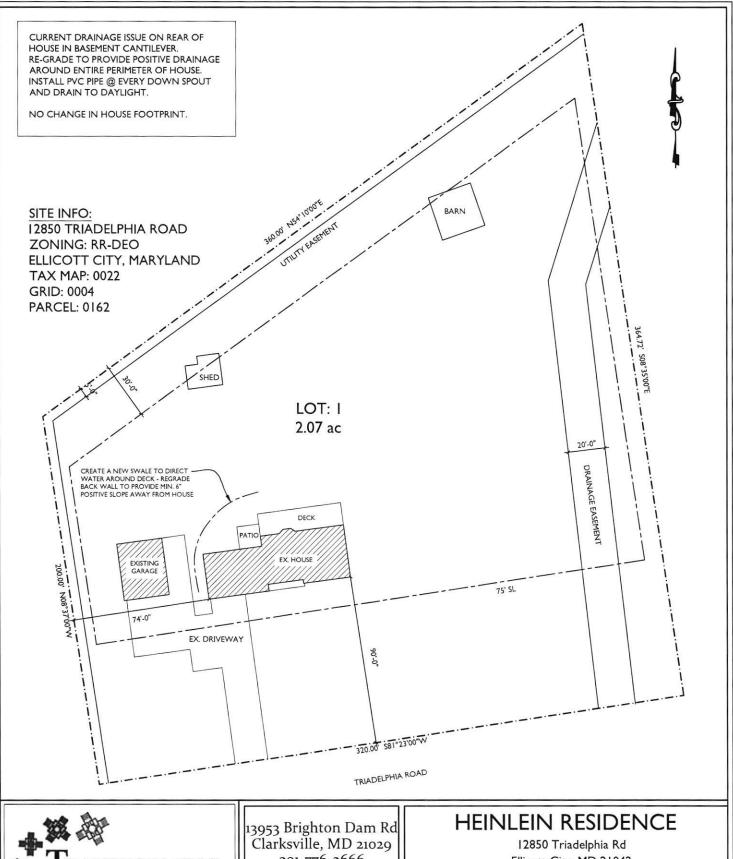
Aproved.
1322004594
212
2/23/2023

License Type * Property Owner Primary Yes	First Name ✓ DELAINE Address Line 1 ✓ 12850 TRIADELPHIA ROAD Address Line 2	Middle Name	Last Name HEINLEIN			
	City ELLICOTT CITY Phone 1 Ph 443-622-4588 E-mail DEDEHEINLEIN@GMAIL.CC	one 2		P Code 1042		
Applicant (This sec	tion is not required.)					
Search As C	Owner As Lic. Prof As Cor	ntact				
Type * Applicant Relationship Applicant Primary No	First Name KAREN Full Name KAREN PITSLEY Organization Name TRANSFORMING ARCHITEC Street Address 7612 BROWNS BRIDGE ROAddress Line 2					
	City		State Zip Co			
		Cell 301-776-2886	MD 20777 Fax			
	Karenigiransionningarchitecti	ire.com				
Contact (This section	on is not required.)					
Search As C	Owner As Lic. Prof As Cor	tact				
Type Contact Relationship Licensed Professio Primary Yes	First Name ✓ KAREN Full Name nal ✓ KAREN PITSLEY Organization Name T/B/D Street Address 7612 BROWNS BRIDGE RO/ Address Line 2	MI Last Name PITSLEY	s.			
	City HIGHLAND	State MD	Zip Code 20777 000			
	Phone C 3017762666 E-mail info@TRANSFORMINGARCH	ell HITECTURE.COM	Fax			
Addtl Info						
	0 erations and Conversions - Residentia		No •	•		
RESIDENTIAL ALTER	ession exception, please contact agency admin	istrator, error:				
Total Square Footag 1235 Existing Utilities	SQFT 2 Partia Existing Heating System	ally Finished Spri	Bedrooms Fu 0 1 inkler System	II Baths Half Baths 0 Type of New Fireplace	P - 1	Fee Exempt
Gas & Electric	✔ Electric	➤ None	•	Select	▼ 8/9/2023 [□]	O Yes No

Submit Cancel

Real Property Data Search () Search Result for HOWARD COUNTY

View Map	View GroundRent Reder	nption	View Grou	ndRent Registration
Special Tax Recapture	: None			
Account Identifier:	District - 03 Acco	ount Number - 284	4395	
	Ow	ner Information		
Owner Name:	MAYDEN HARRY	J Us EN DELAINE E Pri		RESIDENTIAL
Mailing Address:	12850 TRIADELPH		eed Reference:	/18627/ 00449
	ELLICOTT CITY M		•	
		& Structure Inform		
Premises Address:	12850 TRIADELPH ELLICOTT CITY 21		gal Description:	LOT 1 2.075 AR 12850 TRIADELPHIA RD SYCAMORE SPRING
Map: Grid: Parcel: Ne 0022 0004 0162 303	eighborhood: Subdivision 20203.14 2003	on: Section: Bloc	k: Lot: Assessme	ent Year: Plat No: 10 91 Plat Ref:
Town: None				
Primary Structure Bui 1969	It Above Grade Living Are	ea Finished Basen	nent Area Prope	erty Land Area County Use
StoriesBasementType	ExteriorOual	itvFull/Half BathG	arage Last Noti	ce of Major Improvements
	DARD UNITFRAME/4		Att/1Det	
	Va	lue Information		
	Base Value	Value	Phase-in Ass	essments
		As of 01/01/2022	As of 07/01/2022	As of 07/01/2023
Land:	250,700	286,900		
Improvements	193,700	206,800	460.077	(FF 2.6F
Total: Preferential Land:	444,400 0	493,700 0	460,833	477,267
Preferential Land:		nsfer Information		
			_	# (50.000
Seller: RILEY WILLARD Type: ARMS LENGTH II		e: 04/17/2019 d1: /18627/ 00449		Price: \$460,000 Deed2:
Seller: RILEY WILLARD Type: NON-ARMS LEN		e: 12/22/1989 d1: /02117/ 00163		Price: \$0 Deed2:
Seller: TURNER COLIN Type: ARMS LENGTH II	Date	e: 12/13/1985 d1: /01420/ 00003		Price: \$120,000 Deed2:
Type. ARMS LLINGTITI		ption Informatio		50042.
D .: 15		AT COLO		07/01/2027
Partial Exempt Assess	onents: Class	0.0	//01/2022	07/01/2023
County: State:	000	0.0		
Municipal:	000		00 0.00	0.00 0.00
Special Tax Recapture			•	manufacture Company of the Company o
		Application Info	rmation	
Homestead Application	on Status: Approved 01/19			
	Homeowners' Tax	Credit Application	n Information	
Homeowners' Tax Cre	dit Application Status: N		ate:	



NSFORMING

301-776-2666 info@TransformingArchitecture.com

www.TransformingArchitecture.com

Ellicott City, MD 21042

SITE PLAN

SCALE: 1"=50'-0"

DATE: 12-22-22

PROJECT: 22-626

COMPLETE THIS FORM WHEN DROPPING OFF ANY CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:

Date:	02/09/2023	
To:	Debbie Whalen	Building Plans Review
	(Reviewer/Requestor's Name)	(Division)
From:	Karen Mosel, Transforming	
Subject	(Your Name, Company Name) roject name Heinlein Resident	(Phone Number)
Subject		riadelphia Rd, Ellicott City, MD 21042
	Permit # B22004594	SDP#
	Other information pertinent to this pro	Dject CHANGES TO DRAWINGS TO REFLECT INITIAL SUBMISSION COMME
✓ Pleas	se check the attachments below that you are sub	bmitting with this transmittal:
	Letter of response to address plan review comm	ment letter
~	Revised plans and/or revised details: When sul	abmitting for a complete re-review, duplicate sets shall be submitted.
	Letter Summarizing Changes	
	Energy conservation calculations	
П	Copies of	(be specific).
	Health Department Request	DPZ/ DED Request Applicant's Request
		placed on permanent file: Model Name/#
Ħ	Other	
	Contact Person Information: (Required	<u> </u>
	Karen Mosel	Telephone No: (301) 776-2666
	Please Print Name	info Otrono of a major a major a transfer and a major
		E-Mail Address: info@transformingarchitecture.com
NECES INFOR OF IN	SSARY, BY A LICENSED ARCHITECT OF RMATION MAY RESULT IN THE DELAY (REVISIONS ARE APPROPRIATELY <u>SIGNED AND SEALED</u> , IF OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT VILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION,
SIGNA WILL INQUI MYHO THE P	TORY AGENCIES, AND THE BUILDING NOTIFY THE APPROPRIATE CONTACTURIES SHALL BE DIRECTED TO THE PEROWARD INFO. CODE RELATED QUESTI	BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION TO PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS FRMIT DIVISION AT 410-313-2455 OPTION #4 OR BY VISITING HONS AND PLAN REVIEW INQUIRIES SHALL BE DIRECTED TO SEE TO BE ALLOW A MINIMUM OF FIVE (5) WORKING DAYS FOR THANK YOU.

White-Plan Review / Yellow-Applicant / Pink-Permit Division T:\Operations\Updated forms\HoCoTransmittalForm04.2020

SCOPE OF WORK

SFD/ INTERIOR ALTERATIONS TO EXISTING DWELLING TO INCLUDE: A-100 PROJECT NOTES, SCHEDULES,

RENOVATE IST STORY OWNER FULL BATH, FULL HALL BATH, AND KITCHEN, RAISE THE SUNKEN FLOOR TO MEET THE LIVING ROOM. ADD IST STORY MUDROOM & POWDER ROOM. APPROXIMATELY 980 SQFT.

REPLACE ALL SIDING AND WINDOWS ON THE EXTERIOR.

GRADE THE SITE TO REMEDY WATER INFILTRATION ISSUES IN THE FOUNDATION AND GARAGE.

NO CHANGE IN HOUSE FOOTPRINT.

RESIDENTIAL NOTES & SPECIFICATIONS

GENERAL CONSTRUCTION NOTES I, THESE STRUCTURAL NOTES AND SPECIFICATIONS SHALL BE CONSIDERED PART OF THE FINAL DESIGN PACKAGE (INCLUDING CONSTRUCTION DRAWINGS) FOR THE PROJECT SPECIFICALLY DESCRIBED ABOVE. NEITHER THE STRUCTURAL NOTES NOR THE DRAWINGS ALONE ARE SUFFICIENT IN

DESCRIBING A COMPLETE DESIGN. 2. DO NOT SCALE DRAWINGS. WRITTEN DIMENSION ON DRAWINGS SHALL GOVERN. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THIS OFFICE OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS. SHOP DRAWINGS MUST BE SUBMITTED TO THE

OWNER/ARCHITECT BEFORE PROCEEDING WITH FABRICATION OF ASSEMBLIES STEEL STAIRS, ROOF AND/OR FLOOR TRUSSES. 3. WHERE THERE IS CONFLICT BETWEEN DRAWINGS, SPECIFICATIONS OR DETAILS, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR

CLARIFICATION. 4. PROVIDE TRANSITION STRIPS AT ALL CHANGES IN FLOOR FINISHES. 5. ALL CLOSETS ARE TO HAVE THE SAME FINISH AS THE ADJOINING ROOM UNLESS OTHERWISE NOTED.

6. PROVIDE PLUMBING FIXTURE ACCESS PANEL AT EACH TUB AND SHOWER ENCLOSURE AS REQUIRED BY LOCAL JURISDICTION. 7. PROVIDE HANDRAILS 34"-38" ABOVE NOSINGS ON ALL STAIRS. PROVIDE GUARDRAILS AT RAISED FLOORS, BALCONIES, ETC. 30" OR MORE ABOVE GRADE

SPACED TO PREVENT PASSAGE OF A 4" SPHERE AND CHASE. IF OPEN WEB FLOOR TRUSSES ARE UTILIZED, PROVIDE 1/2" GB

DRAFTSTOPPING, NOT TO EXCEED 1,000 SF. 9. PROVIDE A MINIMUM 6'-8" HEAD CLEARANCE FOR ALL STAIRS. STAIR RISERS SHALL NOT EXCEED 7-1/2" AND TREADS SHALL BE AT LEAST 10-1/2". 10. PROVIDE SOFFIT VENTS, RIDGE VENTS, OR GABLE END VENTS AS SHOWN ON THE DRAWINGS, MAINTAIN MINIMUM 1/300 FREE VENTILATION FOR HORIZONTALLY PROJECTED ROOF AREA. INSTALL PLASTIC OR CARDBOARD BAFFLES IN EACH TRUSS/RAFTER BAY TO MAINTAIN FREE AIR FLOW. I, MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS SHALL BE REQUIRED TO SEAL ALL PENETRATIONS IN FLOORS AND EXTERIOR WALLS

CAUSED BY THEIR TRADES. 12. ROUGH CARPENTRY CONTRACTORS SHALL SEAL ALL PANEL BUTT JOINTS AND PLATES AT FLOORS, CEILINGS, WINDOWS, DOOR FLANGES AND JAMBS. 13. SHEATHING PENETRATION SHALL BE PATCHED AND REPAIRED TO MANUFACTURER'S SPECIFICATIONS.

14. SLOPE ALL EXTERIOR PLATFORMS, PORCHES, WALKS AND GARAGE SLABS 1/8" IN 12" TO DRAIN, OR AS NOTED ON PLANS. 15. PROVIDE TERMITE PROTECTION INCLUDING SOIL TREATMENT BY LICENSED EXTERMINATOR.

SPECIFICATIONS - GENERAL CONDITIONS I. ALL WORK SHALL CONFORM TO ALL LOCAL AND NATIONAL ORDINANCES

& BUILDING CODES APPLICABLE TO THIS PROJECT, INCLUDING BUT NOT LIMITED TO INTERNATIONAL RESIDENTIAL CODE - 2018. 2. DIMENSIONS GIVEN ON SCHEDULES ARE NOMINAL. CONTRACTOR AND MANUFACTURERS ARE TO COORDINATE ALL DIMENSIONS CONCERNING DOORS, PANELS, WINDOWS, EQUIPMENT, ETC. AND THEIR OPENINGS PRIOR O FABRICATION AND CONSTRUCTION.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES, BOUNDARIES, EASEMENTS AND CONSTRUCTION BEFORE PROCEEDING WITH THE WORK AND REPORT IMMEDIATELY ANY DISCREPANCIES TO THE ARCHITECT AND/OR

4. DESIGN STANDARDS

USE GROUP: RESIDENTIAL CONST. TYPE: ONE STORY WOOD FRAME W/ BRICK & SIDING. WIND LOAD: 5. DESIGN LOADS (IRC TABLE 301.5) ROOF LIVE LOAD: WIND SPEED: IMPORT FACTOR: GROUND SNOW LOAD: 40 PSF EXP. FACTOR: FLOOR LIVE LOAD (F.F.): 40 PSF FLOOR LIVE LOAD (S.F.): SEISMIC DESIGN CAT.: B WEATHERING: SEVERE ATTIC LIVE LOAD (ATTIC): 20 PSF GARAGE LIVE LOAD: 50 PSF ZONE: DEAD LOAD:

GUARD RAILS: 200 LBS. FORCE IN ANY DIRECTION SOIL BEARING: ASSUMED 2,000 PSF FROST LINE DEPTH - 30" TERMITE: VERY HEAVY DECAY: VERY HEAVY RADON RESISTANT CONSTRUCTION REQ'D: YES

I. CONCRETE FOR THIS PROJECT SHALL BE NORMAL WEIGHT (145 PCF) AND CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) STANDARD 318-99.

2. CONCRETE SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 3. ALL REINFORCING BAR SHALL BE GRADE 60 (FY-60,000 PSI) 4. ALL INTERIOR CONCRETE SLABS SHALL BE 4" THICK AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI WITH 6X6 - W1.4

x W1.4 WWF AND BE POURED OVER A SIX (6) MIL POLY VAPOR BARRIER4 OVER 4" POROUS GRANULAR FILL 5. ALL INTERIOR CONCRETE SLABS 30'-0" OR GREATER IN ANY DIMENSION SHALL HAVE CONTROL JOINTS. 6.ALL EXTERIOR CONCRETE SLABS SHALL BE AIR ENTRAINED (AIR CONTENT

BETWEEN 5% AND 7%) INCLUDING THE GARAGE SLAB. AND HAVE 4" GRANULAR FILL MIN BELOW CONCRETE SLAB. 7. WHERE PORCH (NOT MONOLITHICALLY POURED), PATIO OR OTHER

CONCRETE FLAT WORK ABUTS AN EXISTING CONCRETE SLAB PROVIDE A 1/3" ASPHALT IMPREGNATED FIBER BOARD EXPANSION JOINT. 8. ALL REINFORCING SHALL CONFORM TO "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT" (ASTM | 615-60).

WELDED WIRE FABRIC SHALL CONFORM TO LATEST ASTM A-185. 9. REINFORCEMENT FOR THE ANCHORAGE OF CONNECTING WORK, IF NOT CONTINUOUS, AND REINFORCEMENT FOR TEMPERATURE AND ALL OTHER PURPOSES NOT SPECIFICALLY PROVIDED, SHALL LAP 30 BAR DIAMETERS OR 18" MINIMUM AT ALL SPLICES, OR SHALL HAVE DOWELS OF THE SAME BAR SIZE AND SPACING AS THAT OF REINFORCING TO BE SPLICED OR WORK TO BE CONNECTED. 10. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT:

CONCRETE DEPOSITED AGAINST GROUND FORMED CONCRETE IN CONTATCT WITH GROUND FORMED CONCRETE NOT IN CONTACT WITH GROUND 12"

PREPARATION FOR SLAB

. REMOVE ALL VEGATATION AND TOP SOIL CONTAINING ORGANIC MATERIALS FROM THE ENTIRE AREA TO BE COVERED BY THE BUILDING. 2. IF FILL IS REQUIRED TO RAISE SLAB, SCARIFY THE SUB GRADE TO A DEPTH OF 6" AND RECOMPACT TO A MINIMUM DENSITY OF 92% AND A MAXIMUM OF 98% OF STANDARD PROCTOR DENSITY (ASTM-D-698) WITH A MOISTURE CONTECT AT OR SLIGHTLY ABOVE OPTIMUM.

3. INSTALL FILL IN LOOSE LIFTS OF 8" THICK AND UNIFORMLY COMPACTED AS IN THE NOTE ABOVE. 4. FILL MATERIALS SHALL BE VERY SANDY TO CLAYEY SAND WITH A

PLASTICITY INDEX (P.I.) IF BETWEEN 2 AND 15. FOUNDATION PERIMETER INSULATION I INSTALL EXPANDED RIGID CLOSED CELL POLYSTYRENE FOAM BORDER FED

SPEC HH-I-542B. DENSITY 2.1 LBS PER CU. FT.; "R" VALUE PER I" THICKNESS - 5.41

DIMENSION: MAX R: 7 3" MIN T:10"

SHEET INDEX

ELECTRICAL & DEMO PLANS

A-101 FIRST FLOOR PLAN & EXTERIOR ELEVATIONS

LATERAL BRACING, FRAMING, AND **FOUNDATION**

> ALL WORK PERTAINING TO THE BASEMENT RENOVATION HAS BEEN REMOVED.

STRUCTURAL STEEL NOTES

I. MATERIALS STRUCTURAL STEEL AND PLATE ASTM A36 ASTM A307 UNFINISHED BOLTS HIGH-STRENGTH BOLTS ASTM A325

WELDING ELECTRODES ASTM 1233, CLASS E70 2. BEAM TO BEAM AND COLUMN CONNECTIONS SHALL BE AISC STANDARD (FULL DEPTH) WHERE REACTIONS EXCEED MINIMUM CONDITIONS, THE APPROPRIATE CONNECTIONS SHALL BE DETERMINED BY FABRICATOR (CONTRACTOR)

3. ALL MAIOR CONNECTIONS SHALL BE HIGH STRENGTH FRICTION BOLTS OR WELDS OF EQUAL STRENGTH. ANCHOR BOLTS SHALL BE UNFINISHED BOLTS. 4. STEEL WORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH LATEST AISC SPECIFICATIONS. 5. SUBMIT SHOP DRAWINGS FOR ALL STEEL WORK.

6. STEEL LINTELS - FOR ALL OPENINGS AND RECESSES IN STONE OR BRICK FACED WALLS NOT SPECIFICALLY DETAILED, PROVIDE ONE STEEL ANGLE FOR EACH 4 INCHES OF WALL THICKNESS. STEEL ANGLES TO HAVE MINIMUM BEARING OF 4" AT EACH END. HORIZONTAL LEG SHALL BE 3 1/2" UNLESS OTHERWISE SHOWN.

7. LINTEL SCHEDULE (UNLESS NOTED OTHERWISE ON PLANS) NOTE: ALL LINTELS ARE TO RECEIVE SHOP APPLIED CORROSION PROTECTION. 8. STEEL BEAM POCKETS, SIZE AS INDICATED ON PLANS, BEAMS SHALL OR FLOOR BELOW, GUARDS SHALL BE MINIMUM 42" HIGH AND HAVE CLOSURES HAVE A MINIMUM BEARING OF 4" IN LENGTH MEASURED PARALLEL TO THE BEAM UPON SOLID MASONRY NOT LESS THAN 4" IN THICKNESS 8. PROVIDE NOMINAL 2X FIRE BLOCKING AT EVERY FLOOR INTERVAL, BULKHEAD OR UPON A METAL BEARING PLATE OF ADEQUATE DIMENSIONS TO DISTRIBUTE THE LOAD SAFELY, AREA AROUND BEAM TO RECEIVE

> PARGE FINISH. 9. 2x BEAM PLATE IS ANCHORED TO STEEL BEAM WITH 3/8" DIAMETER STEEL BOLTS OR EQUIVALENT POWER ACTIVATED FASTENERS AT 48" O/C. FASTENERS TO BE LOCATED A NEAR TO CENTER OF BEAM AS

10. STEEL BEAMS SHALL HAVE A MINIMUM BEARING OF 4 INCHES IN CONCRETE POCKETS AND A MINIMUM BEARING OF 3 INCHES ON STEEL COLUMNS. STEEL BEAMS SHALL BE CENTERED OVER COLUMNS

I. MASONRY VENEER SHALL BE ATTACHED TO THE SUPPORTING WALL WITH CORROSION RESISTANT METAL TIES. EACH TIE SHALL BE 24" ON CENTER HORIZONTALLY AND SHALL SUPPORT NOT MORE THAN 1/4 SQUARE FEET OF WALL AREA, ADDITIONAL METAL TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16". THESE TIES SHALL BE SPACED NOT MORE THAN 3' ON CENTER AND PLACED WITHIN 12" OF THE WALL OPENING. 2. CONCRETE MASONRY UNITS SHALL MEET ASTM C-90 GRADE A, 28 DAYS OLD BEFORE INSTALLATION. MINIMUM NET COMPRESSIVE STRENGTH OF BLOCK TO BE 2000 PSI. 3. CARE AND PROPER MEASURES SHALL BE EMPLOYED TO PREVENT ANY SUPER

IMPOSED LOADS (I.E. WIND LOADS, SHOVING OR OTHER LATERAL FORCES) FROM BULGING OR DISTORTING FINISHED MASONRY WALLS BY WAY OF SHORING, BRACING OR OTHER MEANS AS SITE REQUIRES. 4. USE TYPE "M" MORTAR FOR MASONRY BELOW GRADE IN CONTACT WITH

5. USE TYPE "N" MORTAR FOR EXTERIOR, ABOVE GRADE LOAD BEARING OR NON-LOAD BEARING MASONRY WALLS AND FOR OTHER AREAS IF NOT OTHERWISE NOTED, EXCEPTION - MASONRY CONSTRUCTION REQUIRING HEAT RESISTANT MORTAR SHALL HAVE A REFRACTORY AIR SETTING MORTAR. 6. BRICK VENEER TO BE INSTALLED WIMIN, 3/16" DIA/ WEEP HOLES SPACED AT A MAXIMUM OF 24" O.C. HORIZONTALLY.

I. ALL HEADERS ARE TO BE DOUBLE 2X12 UNLESS SPECIFICALLY NOTED

WOOD FRAMING

I. UNLESS OTHERWISE NOTED, ALL INTERIOR PARTITIONS TO BE CONSTRUCTED WITH 2X4 STUDS, 16" O.C., WITH DOUBLE TOP PLATE. MINIMUM 2X12 HEADER/LINTELS AT ALL OPENINGS IN BEARING OR EXTERIOR

WALLS. SHEATHING TO BE TO COX PLYWOOD OR OSB.

2. ALL FRAMING LUMBER SHALL BE SPF No. 1/No.2 AND HAVE A MINIMUM ALLOWABLE EXTREME FIBER BENDING STRESS OF 875 PSI AND A MINIMUM MODULUS OF ELASTICITY OF 1,400,000 PSI.

3. ALL FLOOR DECKS ARE TO BE GLUED TO SUPPORTING BEAMS AND JOIST WITH PL-400 ADHESIVE AS MANUFACTURED BY "CONTECH" OR APPROVED

4. ALL WOOD BEAMS MADE OF TWO OR MORE MEMBERS SHALL BE GLUED WITH PL-400 ADHESIVE AND NAILED TOGETHER @ 12" 5. ALL WOOD POSTS MADE UP OF MULTIPLE PIECES SHALL BE GLUED WITH PL-400 ADHESIVE AND NAILED @ 12" O.C. BOTH SIDES.

6. DIRECTLY UNDER PARTITIONS WHICH RUN TO JOISTS (AND ARE OTHERWISE UNSUPPORTED) INSTALL DOUBLE JOISTS. 7. ALL RAFTERS AND JOISTS SHALL HAVE WOOD OR METAL CROSSBRIDGING AT 8' O.C. OR AT CENTER OF SPAN WHICHEVER IS LESS. 8. CONTINUOUS LOAD PATH: STEEL HARDWARE CONNECTORS TO GUARD AGAINST UPLIFT FORCES SHALL BE INSTALLED FROM THE FOUNDATIONS TO THE ROOF RAFTERS AT ALL STUDS. THESE SHALL INCLUDE BUT ARE NOT LIMITED TO FOUNDATION CONNECTORS, FLOOR TO FLOOR CONNECTORS,

AND ROOF RAFTER HURRICANE CONNECTORS/ANCHORS. 9. MINIMUM BEARING FOR WOOD JOIST, RAFTERS AND BEAMS SHALL BE 3 $\frac{1}{2}$ " ON WOOD AND 4" ON MANSONRY. 10. INSTALL WOOD JOIST HANGER & WOOD BEAM HANGER CONNECTIONS AS FOLLOWS:

IOIST HANGER MIN. CAPACITY - 800# BEAM HANGER MIN. CAPACITY - 3500# . INSTALL MINIMUM DOUBLE STUDS AT JAMBS OF ALL OPENINGS IN WALLS

OR AS SHOWN ON PLAN. 12. ALL MANUFACTURED TRUSSES ARE TO BE IN ACCORDANCE WITH ASCE 13. FOUNDATION ANCHORAGE: SILL PLATES AND WALLS SUPPORTED DIRECTLY ON CONT. FOUNDATIONS SHALL BE ANCHORED ACCORDING TO

MASONRY SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE.

14. ALL SILL PLATES AND LUMBER IN CONTACT WITH CONCRETE OR

1. ALL FINISHES SHALL BE CLASS C OR BETTER WITH A FLAME SPREAD OF 76-200 OR BETTER AND A SMOKE DEVELOPED INDEX OF 0-450.

BUILDING THERMAL ENVELOPE. THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED TO LIMIT INFILTRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED, GASKETED, WEATHER STRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL, SUITABLE FILM OR SOLID MATERIAL:

I. ALL JOINTS, SEAMS AND PENETRATIONS. 2. SITE-BUILT WINDOWS, DOORS AND SKYLIGHTS. 3. OPENINGS BETWEEN WINDOW AND DOOR ASSEMBLIES AND THEIR

RESPECTIVE JAMBS AND FRAMING. 4. UTILITY PENETRATIONS 5. DROPPED CEILINGS OR CHASES ADJACENT TO THE THERMAL ENVELOPE. 6. KNEE WALLS.

7. WALLS AND CEILINGS SEPARATING A GARAGE FROM CONDITIONED SPACES. 8. BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS. 9. COMMON WALLS BETWEEN DWELLING UNITS.

10. ATTIC ACCESS OPENINGS. 11. RIM JOIST JUNCTION. 12. OTHER SOURCES OF INFILTRATION.

		١	2	0	C	MC	F	11	VIS	H	S	C	HE	ED	ULI	E
		T	F	LC	C	R	V	٧,	ALLS	C	EI	LII	NG	Т	RIM	REMARK
	ROOM NAME	HARDWOOD FLOOR	LVI	CERAMIC TILE		EX. TO REMAIN UNFINISHED	PAINTED GYP. BD.	EX. TO REMAIN	UNFINISHED	PAINTED GYP. BD.	BEAD BOARD	EX. TO REMAIN	UNFINISHED			
~	KITCHEN	X		П	I	П	X		П	×	П			I		RAISE FLOO
FLOOR	MUDROOM	X		-	+	-	X	-		X		-		+		
7.00	LIVING / DINING POWDER ROOM	X		X	+	++	X			X		+	++	-		
FIRST	HALL BATH			x	+	11	X			X						
-	OWNER BATH			X	1		X			X						

	0		DOOR SCHEDULE								
		DOOR		SADDLE	ABEL	REMARKS					
A. C. L. C. L. C. C. L. C.	NO.	SIZE.	INT/EXT	SAL	V	ALL DOORS U.N.O. 6 PANEL					
- C	101	3/0×6/8	EXT	YES	I HR	SINGLE DOOR - SELF CLOSING					
	102	2/4x6/8	INT	NO		POCKET DOOR					
	103	3/0×6/8	INT	NO	^	POCKET DOOR					
	104	(2)4/0×6/8	EXT	YES		SLIDING GLASS DOOR					
	105	(2)4/0×6/8	EXT	YES		SLIDING GLASS DOOR					
	106	(2)4/0×6/8	EXT	YES	40 -124	SLIDING GLASS DOOR					
	107	2/0x6/8	INT	NO		SINGLE DOOR					
200	107			100000000000000000000000000000000000000		CINICIE DOOD					
	107	2/6×6/8	INT	NO		SINGLE DOOR					

TYPE MAT. SIZE.		WINDOW		REMARKS
		SIZE.	OPERATION	<u>/1</u>
Α	VINYL	4/0×5/0	DOUBLE HUNG	LOWER SOFFIT IN EXISTING OPENING
В	VINYL	3/0×5/0	DOUBLE HUNG	LOWER SOFFIT IN EXISTING OPENING
C	VINYL	(2)3/0×5/0	DOUBLE HUNG	LOWER SOFFIT IN EXISTING OPENING

	NO.	DESIGNATION	W-D-H	TYPE	REMARKS	EXTENDED STYL TO BE TRIMMED
						AS NECESSARY
1	01	WR	36-24-18	WALL	WALL REFRIGERATOR	
-	02	BD 3	30-24-34.5	BASE	BASE THREE DRAWER	
	03	В	9-24-34.5	BASE	SPICE PULLOUT	
	04	В	9-24-34.5	BASE	TRAY DIVIDER	
	05	BD 3	30-24-34.5	BASE	BASE THREE DRAWER	
	06	T	36-24-68	TALL	TALL PANTRY W/ ROLL-OUT TRAY	
8	07	В	18-24-34.5	BASE	BASE SINGLE DOOR W/ TRAY DIVIDER	
FLOOR	08	SB	36-24-34.5	BASE	SINK BASE	
	09	BWB	18-24-34.5	BASE	BASE WASTEBASKET	
FIRST	10	В	18-24-34.5	BASE	BASE SINGLE DOOR W/ TRAY DIVIDER	
	- 11	В	38-24-34.5	BASE	BASE DOUBLE DOOR	
	12	В	38-24-34.5	BASE	BASE DOUBLE DOOR	
	13	В	38-24-34.5	BASE	BASE DOUBLE DOOR	
	14	VSB	36-21-34.5	BASE	VANITY SINK BASE	

HEADER SC	HEDULE (U.N.O.)
OPENING SIZE	HEADER SIZE
OPENINGS UP TO 3'	(2) 2×10
OPENINGS GREATER THAN 3' UP TO 6'	(2) 1.75 x 9.50 2.0E LVL
OPENINGS GREATER THAN 6' UP TO 8'	(2) 1.75 x 11.875 2.0E LVL

ELECTRICAL LEGEND

GARBAGE DISPOSAL SWITCH

UNDER CABINET LIGHTING SWITCH

GFI OUTLET

6" RECESSED LED CLG, LIGHT LED WALL MOUNT FIXTURE

LED CLG. FIXTURE

QUIET CLG. FAN W/ LIGHT (OSCI)

EXHAUST FAN

ELECTRICAL NOTES:

REQUESTED OUTLETS SPECIFIED NOTED ON ELEC. LAYOUT. ALL OTHER OUTLETS PER CODE PER CODE @ 18"H, 42" H ABOVE COUNTERTOPS UNLESS OTHERWISE NOTED.

LINE TYPE KEY:

NEW WALL

EXIST, WALL

ABOVE LINE

DEMO WALL

2. MOUNT LIGHT SWITCHES @ 42" H. MAX. ROCKER-TYPE

3. EXHAUST FANS W/ HUMIDISTAT (MAX .7 SONE), EXHAUST TO EXTERIOR

4. PROVIDE LED UNDER-CABINET LIGHTING

5. HINGE SWITCHES IN ALL CLOSETS U.N.O.

6. ALL FIXTURES ON DIMMERS

7. EXHAUST HOOD TO EXTERIOR - PROVIDE MAKE UP AIR AS REQ'D PER

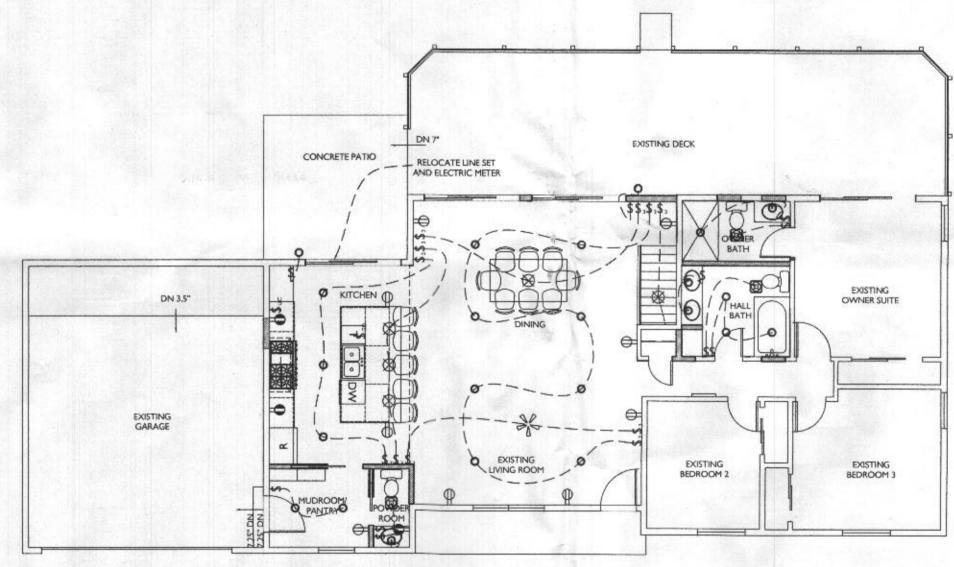
HARDWIRED SMOKE DETECTOR W/INTERNAL BATTERY & CARBON MONOXIDE DETECTOR (COMBINED UNIT) TO BE INSTALLED IN ACCORDANCE WITH SECTION R315 OF THE 2018 IRC

9. LED RECESSED LIGHTS SPECS: 2700K-2900K FOR LIVING ROOMS & BEDROOMS 2900K-3500K FOR KITCHEN, OFFICE AND BASEMENTS

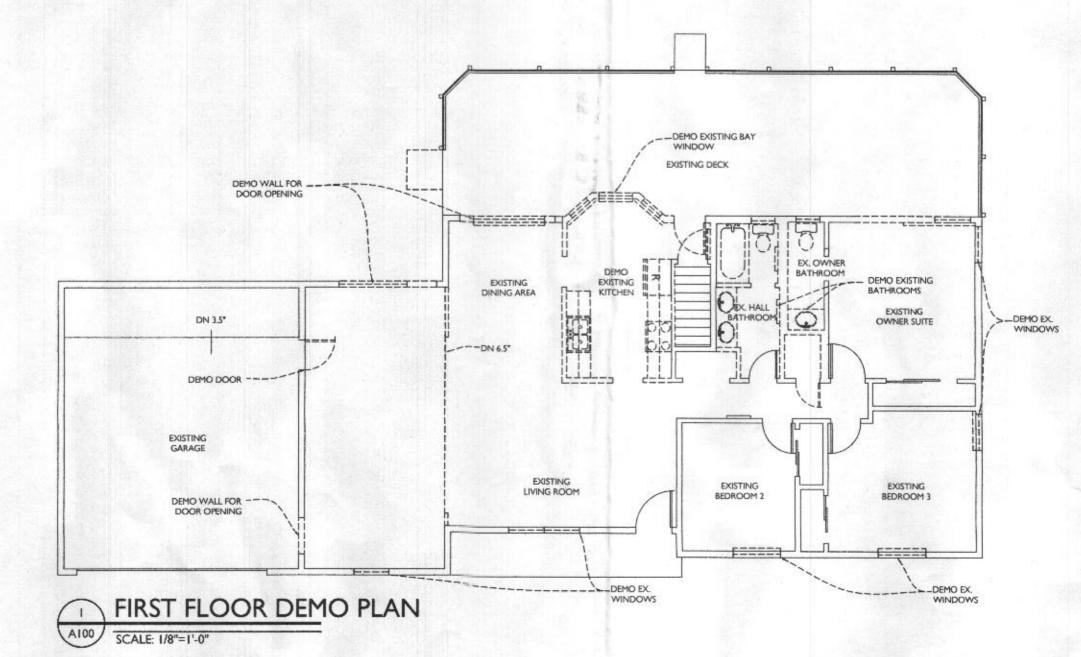
PLUMBING NOTES:

HVAC NOTES:

HVAC CONTRACTOR TO RECOMMEND SOLUTIONS FOR HEATING & COOLING NEW HOUSE CONFIGURATION



FIRST FLOOR ELECTRICAL PLAN SCALE: 1/8"=1'-0"





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PERMIT

PROJECT TITLE

THE RESIDENCE

12850 Triadelphia Road Ellicott City, MD 21042

REVISIONS SYMBOL DATE ISSUED FOR 2/9/2023 PERMIT REVISIONS R14 2/23/2

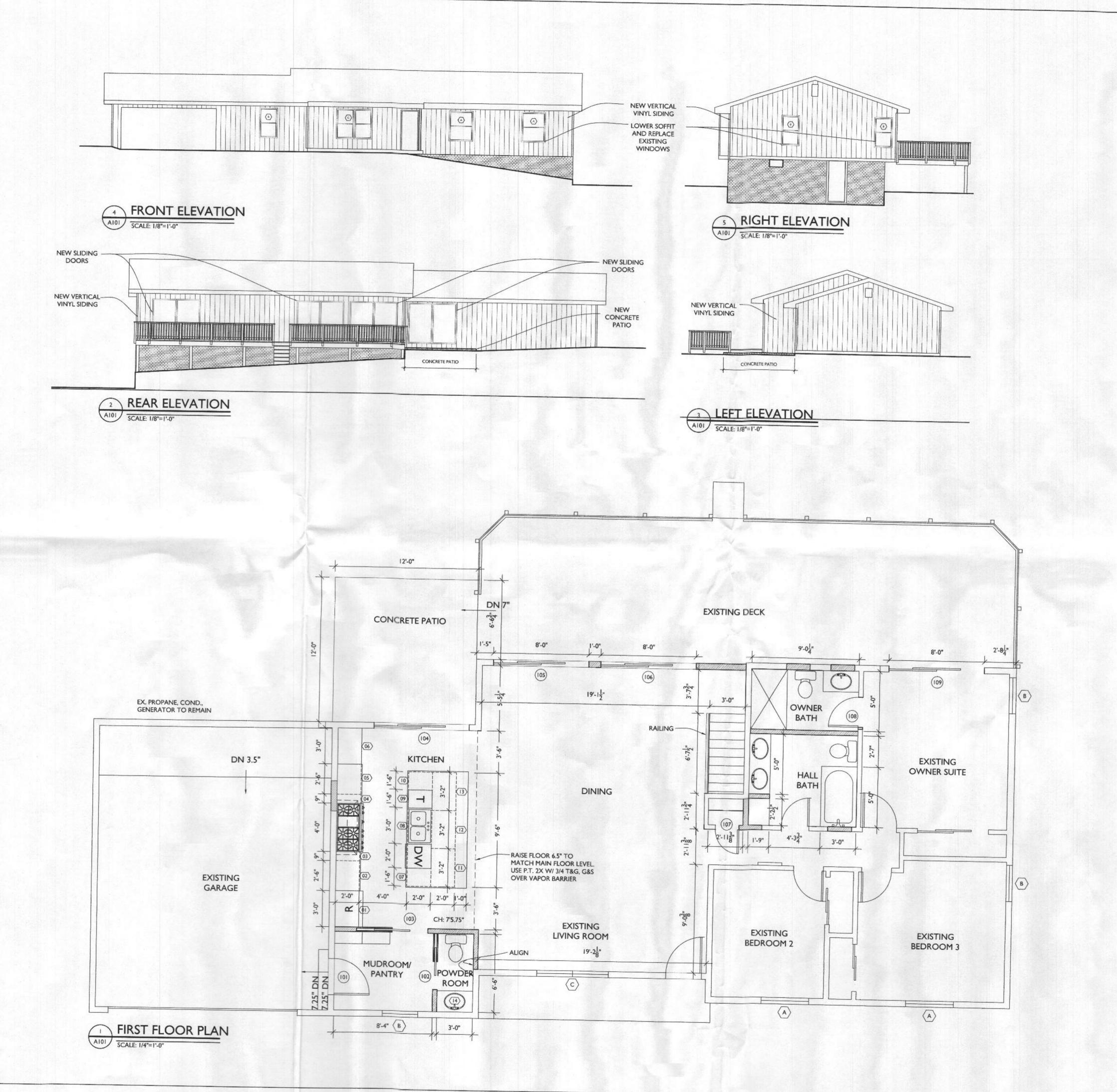
22-626 PROJECT NUMBER 2/9/2023 DATE AS NOTED SCALE

DRAWING TITLE PROJECT NOTES, ELECTRICAL, +

DEMO PLANS

SHEET NUMBER

A-100



LINE TYPE KEY:

NEW WALL

EXIST. WALL

ABOVE LINE

FDN. WALL

DEMO WALL

TYPICAL WALL CONSTRUCTION U.N.O.

TYP. INT. WALL CONSTR.: 2x4 WD STUDS U.N.O. @ 16" O.C. W/ 1/2" GYP. BD. EACH SIDE

TYP. EXT. WALL CONSTR.: 2×6 WD STUDS U.N.O. @ 16" O.C., R-5 RIGID BOARD EXT., R-20 BATT. INS., 7/16 OSB SHEATHING, BUILDING PAPER, SIDING, & 1/2" GYP. BD. INTERIOR



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PROJECT PHASE

PERMIT

PROJECT TITLE

THE HEINLEIN RESIDENCE

12850 Triadelphia Road Ellicott City, MD 21042

SYMBOL	DATE	ISSUED FOR
\triangle	2/9/2023	PERMIT REVISIONS

PROJECT NUMBER 22-626

DATE 2/9/2023

SCALE AS NOTED

DRAWING TITLE

ELEVATIONS +
FLOORPLANS

SHEET NUMB

A-101

TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

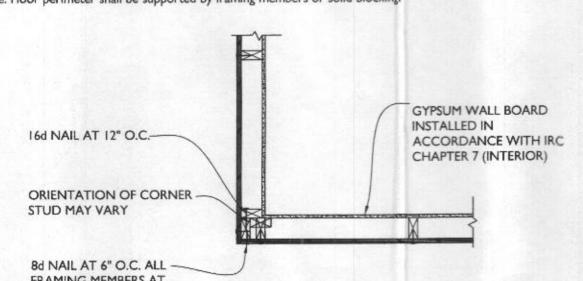
ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER (*a,*b,*c)	SPACING OF FASTENERS
	ROOF		
	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOE NAIL	3-8d (2½" × 0.113")	
	CEILING JOISTS TO PLATE, TOE NAIL	3-8d (2½" × 0.113")	(
3	CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAP OVER PARTITIONS, FACE NAIL	3-10d	
1	COLLAR TIE RAFTER, FACE NAIL OR 11/4" x 20 GAGE RIDGE STRAP	3-10d (3" × 0.128")	
5	RAFTER TO PLATE, TOE NAIL	2-16d (3½" × 0.135")	
5	ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS: TOE NAIL FACE NAIL	4-16d (3½" × 0.135") 3-16d (3½" × 0.135")	_
12128	WALL	104/28 0 1220	24" o.c.
7	BUILT-UP CORNER STUDS	10d (3" × 0.128")	
3	BUILT-UP HEADER, TWO PIECES WITH ½" SPACER	16d (3½" × 0.135")	16" o.c. ALONG EACH EDGE
)	CONTINUED HEADER, TWO PIECES	16d (3½" × 0.135")	16" o.c. ALONG EACH EDGE
0	CONTINUOUS HEADER TO STUD, TOE NAIL	4-8d (2½" × 0.113")	
1	DOUBLE STUDS, FACE NAIL	10d (3" × 0.128")	24" o.c.
2	DOUBLE TOP PLATES, FACE NAIL	10d (3" x 0.128")	24" o.c.
3	DOUBLE TOP PLATES, MINIMUM 48-INCH OFFSET OF END JOINTS, FACE NAIL IN LAPPED AREA	8-16d (3½" × 0.135")	
4	SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d (3½" × 0.135")	16" o.c.
5	SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS	3-16d (3½" × 0.135")	16" o.c.
16	STUD TO SOLE PLATE, TOE NAIL	3-8d (2½" × 0.113") OR 2-16d (3½" × 0.135")	
7	TOP OR SOLE PLATE TO STUD, END NAIL	2-16d (3½" × 0.135")	
8	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS, FACE NAIL	3-10d (3" × 0.128")	
19	I" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d (2½" × 0.113") 2 STAPLES 1¾"	
20	I" x 6" SHEATHING TO EACH BEARING, FACE NAIL	2-8d (2½" × 0.113") 2 STAPLES 1¾"	
21	1" x 8" SHEATHING TO EACH BEARING, FACE NAIL	2-8d (2½" x 0.113") 2 STAPLES 1¾"	
22	WIDER THAN 1" x 8" SHEATHING TO EACH BEARING, FACE NAIL	3-8d (2½" × 0.113") 3 STAPLES 1¾"	
22	FLOOR JOIST TO SILL OR GIRDER, TOE NAIL	3-8d (2½" × 0.113")	
23	1" x 6" SUBFLOOR OR LESS TO EACH JOIST, FACE	2-8d (2½" × 0.113") 2 STAPLES 1¾"	
25	2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d (3½" × 0.135")	
	RIM JOIST TO TOP PLATE, TOE NAIL (ROOF APPLICATIONS ALSO)	8d (2½" × 0.113")"	6" o.c.
26	2" PLANKS (PLANK & BEAM - FLOOR & ROOF)	2-16d (3½" × 0.135")	AT EACH BEARING
27	La contraction of the contractio	10d (3" x 0.128")	NAIL EACH LAYER AS FOLLOWS: 32
28	BUILT-UP GIRDERS AND BEAMS, 2 INCH LUMBER LAYERS	10d (3 × 0.126)	o.c. AT TOP AND BOTTOM AND STAGGERED. TWO NAILS AT ENDS AND AT EACH SPLICE.
29	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16d (3½" × 0.135")	AT EACH JOIST OR RAFTER

TABLE R602.3(1) - CONTINUED FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER (*b,*c,*e)	SPACING OF F	ASTENERS
			EDGES (INCHES)*i	INTERMEDIATE SUPPORTS*c,*e (INCHES)
	WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND INTER	IOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL	SHEATHING TO FR	AMING
30	3/8"-1/2"	6d common (2" x 0.113") nail (subfloor wall)*j 8d common (2½" x 0.131") nail (roof)	6	12*g
31	%6"-½"	6d common (2" x 0.113") nail (subfloor, wall) 8d common (2½" x 0.131") nail (roof)*f	6	12*g
32	19/32"- 1"	8d common (2½" × 0.131")	6	12*g
33	11/8"- 11/4"	10d common (3" x 0.148") nail or 8d common (2½" x 0.131") deformed nail	6	12
	OTHER WALL SHEATHING*h			
34	½" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	½" galvanized roofing nail, ¾6" crown or 1" crown staple 16ga., 1¼" long	3	6
35	25/32" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1¾" galvanized roofing nail, ¾6" crown or 1" crown staple 16ga. 1½" long	3	6
36	½" GYPSUM SHEATHING*d	1½" galvanized roofing nail, staple galvanized, 1½" long; 1¼" screws, Type W or S	7	7
37	%" GYPSUM SHEATHING *d	1¾" galvanized roofing nail; staple galvanized, 1½" long; 1½" screws, Type W or S	7	7
	WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UN	NDERLAYMENT TO FRAMING		
38	¾" AND LESS	6d deformed (2" x 0.120") nail or 8d common (2½" x 0.131") nail	6	12
39	½"-1"	8d common (2½" x 0.131") nail or 8d deformed (2½" x 0.120") nail	6	12
40	11/8"- 11/4"	10d common (3" × 0.148") nail or 8d deformed (2½" × 0.120") nail	6	12

- *a All nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inches or less.
- *b Staples are 16 ga. wire and have a minimum \(\frac{1}{16} \) inch on diameter crown width. *c - Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.
- *d Four-foot-by-8-foot or 4-foot-by-9-foot panels shall be applied vertically.
- *e Spacing of fasteners not included in this table shall be based on Table R602.3(2).
- *f For regions having a basic wind speed of 110mph or greater, 8d deformed (2½" x 0.120") nails shall be used for attaching plywood and wood structural panel roof sheathing to framing within
- minimum 48-inch distance from gable end walls, if mean roof height is more than 25 feet, up to 35 feet maximum. *g - For regions having a basic wind speed of 100mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. When basic wind speed is greater than 100mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end
- walls; and 4-inches on center to gable end wall framing.
- *h Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.
- *i Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.

IMPORTANT CODE REQUIREMENT: ONLY FOR USE ON HOMES WITH FULLY SHEATHED PLYWOOD OR OSB EXTERIOR WALLS, PER IRC R602.10.5.



OUTSIDE CORNER DETAIL
PER IRC R602.10.5 A102 SCALE: 3/4"=1'-0"

FRAMING MEMBERS AT PANEL EDGES AND 12" O.C. ON ALL FRAMING MEMBERS NOT AT PANEL EDGES (TYP.)

TABLE R602.10.4.1 **BRACING METHODS**

METHOD	MATERIAL	MINIMUM THICKNESS	CONNECTION CRITERIAL
CS-WSP	WOOD STRUCTURAL PANEL	%"	6d common (2" x 0.113") nails at 6" spacing (panel edges) and at 12" spacing (intermediate supports) or 16ga. x 1¾ staples at 3" spacing (panel edges) and 6" spacing (intermediate supports
CS-G	WOOD STRUCTURAL PANEL ADJACENT TO GARAGE OPENINGS AND SUPPORTING ROOF LOAD ONLY*a,*b		See Method CS-WSP
CS-PF	CONTINUOUS PORTAL FRAME	See Section R602.10.4.1.1	See section R602.10.4.1.1

*a - Applies to one wall of a garage only. *b - Roof covering dead loads shall be 3 psf or less.

TABLE N1102.4.1.1 AIR BARRIER AND INSULATION INSPECTION

COMPONENT	CRITERIA
AIR BARRIER AND THERMAL BARRIER	EXTERIOR THERMAL ENVELOPE INSULATION FOR FRAMED WALLS IS INSTALLED IN SUBSTANTIAL CONTACT AND CONTINUOUS ALIGNMENT WITH BUILDING ENVELOPE AIR BARRIER. BREAKS OR JOINTS IN THE AIR BARRIER ARE FILLED OR REPAIRED. AIR-PERMEABLE INSULATION IS NOT USED AS A SEALING MATERIAL.
CEILING/ ATTIC	AIR BARRIER IN ANY DROPPED CEILING/ SOFFIT IS SUBSTANTIALLY ALIGNED WITH INSULATION AND ANY GAPS ARE SEALED ATTIC ACCESS (EXCEPT UNVENTED ARRIC), KNEE WALL DOOR, OR DROP DOWN STAIR IS SEALED.
WALLS	CORNERS AND HEADERS ARE INSULATED. JUNCTION OF FOUNDATION AND SILL PLATE IS SEALED.
WINDOWS AND DOORS	SPACE BETWEEN WINDOW/ DOOR JAMBS AND FRAMING IS SEALED.
RIM JOISTS	RIM JOISTS ARE INSULATED AND INCLUDE AN AIR BARRIER.
FLOORS (including above garage and cantilevered floors)	INSULATION IS INSTALLED TO MAINTAIN PERMANENT CONTACT WITH UNDERSIDE OF SUBFLOOR DECKING. AIR BARRIER IS INSTALLED AT ANY EXPOSED EDGE OF FLOOR.
CRAWLSPACE WALLS	INSULATION IS PERMANENTLY ATTACHED TO WALLS. EXPOSED EARTH IN UNVENTED CRAWLSPACES IS COVERED WITH CLASS I VAPOR RETARDER WITH OVERLAPPING JOINTS TAPED.
SHAFTS, PENETRATIONS	DUCT SHAFTS, UTILITY PENETRATIONS, KNEE WALLS AND FLUE SHAFTS OPENING TO EXTERIOR OR UNCONDITIONED SPACE ARE SEALED.
NARROW CAVITIES	BATTS IN NARROW CAVITIES ARE CUT TO FIT, OR NARROW CAVITIES ARE FILLED BY SPRAYED/ BLOWN INSULATION.
GARAGE SEPARATION	AIR SEALING IS PROVIDED BETWEEN THE GARAGE AND CONDITIONED SPACES.
RECESSED LIGHTING	RECESSED LIGHT FIXTURES ARE AIRTIGHT, IC RATED AND SEALED TO DRYWALL. EXCEPTION FIXTURES IN CONDITIONED SPACE.
PLUMBING AND WIRING	INSULATION IS PLACED BETWEEN OUTSIDE AND PIPED. BATT INSULATION IS CUT T FIT AROUND WIRING AND PLUMBING, OR SPRAYED/BLOWN INSULATION EXTENDS BEHIND PIPING AND WIRING.
SHOWER/TUB ON EXTERIOR WALL	SHOWERS AND TUBS ON EXTERIOR WALLS HAVE INSULATION AND AN AIR BARRIER SEPARATING THEM FROM THE EXTERIOR WALL.
ELECTRICAL/PHONE BOX ON EXTERIOR WALL	AIR BARRIER EXTENDS BEHIND BOXES OR AIR SEALED TYPE BOXES ARE INSTALLED.
COMMON WALL	AIR BARRIER IS INSTALLED IN COMMON WALL BETWEEN DWELLING UNITS.
HVAC REGISTER BOOTS	HVAC REISTER BOOTS THAT PENETRATE BUILDING ENVELOPE ARE SEALED TO SUBFLOOR OR DRYWALL.
FIREPLACE	FIREPLACE WALLS INCLUDE AN AIR BARRIER.

PRESCRIPTIVE COMPONENT REQUIREMENTS - METHOD I

BASED ON R-VALUES OR U-FACTORS

I. THE EXACT LOCATION OF ALL OF THE BUILDING THERMAL ENVELOPE SHALL BE MARKED OUT ON THE PLANS, DETAILS, AND CROSS-SECTIONS.

2. PROVIDE ALL INSULATION R-VALUES OR U-FACTORS, MATERIAL, AND LOCATIONS TO BE INSTALLED (WALLS, CEILINGS, CANTILEVER FLOORS, FLOORS OVER GARAGE, CRAWL SPACE, BASEMENT WALLS,

ETC.) PER TABLES: 402.1.1 OR 402.1.3 OR 402.2.5 FOR STEEL-FRAMED CONSTRUCTION. 3. PROVIDE ALL FENESTRATION U-FACTORS FOR ALL GLAZING FOR EACH WINDOW AND DOOR PER TABLE 402.1.1 (SCHEDULE SUPPLIED BY DESIGNER)

4. INDICATE HOW ALL AREAS LISTED IN SECTION 402.4.2 (TABLE) WILL BE PROTECTED AGAINST AIR

5. INDICATE IF CRAWLSPACE(S) ARE CONDITIONED OR VENTED, MUST HAVE VAPOR BARRIER IF

6. INDICATE DUCT INSULATION R-VALUES, MINIMUM R-6, R-8 IN ATTICS.

7. INDICATE DUCT SEALING METHODS PER IRC M1601.4.1 8. INDICATE LOCATION OF HVAC EQUIPMENT ON PLANS (INSIDE OR OUTSIDE THE ENVELOPE)

OVER CONCRETE OR MASONRY BLOCK FOUNDATION

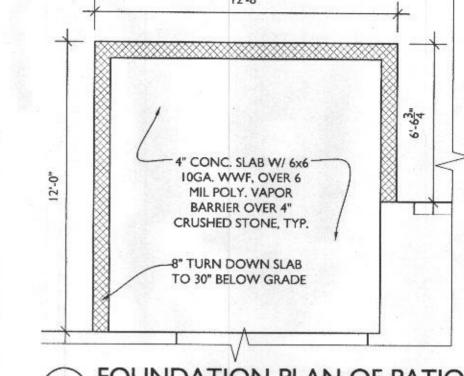
FRONT ELEVATION EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TWO BRACED WALL PANELS) EXTENT OF HEADER WITH SINGLE PORTAL FRAME (ONE BRACED WALL PANEL) 2-IF FINISHED WIDTH OF OPENING FOR SINGLE OR DOUBLE PORTA 00000 MIN. 3'x112' NET HEADER STEEL HEADERPROHEBITED IF SPACER IS USED, PLACE ON BACK-SIDE OF HEADER 00000 HEADER SHALL BE FASTENED TO THE KING STUD
 TOP PLATE CONTINUITY IS
 REQUIRED PER R602.3.2
WITH 6-16D SINKER NAILS CONSTRUCTION 00000000 MIN. (2) TO DIAMETER ANCHOR BOLTS INSTALLED PER ANCHOR BOLTS PER SECTION \$403.16 -

FIGURE R602.10.6.4 METHOD CS-PF -- CONTINUOUSLY SHEATHED PORTAL FRAM PANEL CONSTRUCTION A102 SCALE: N.T.S

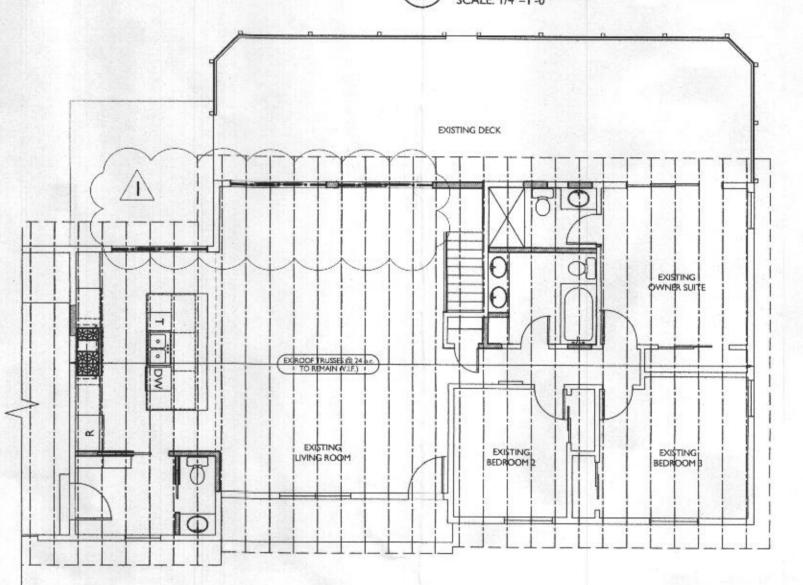
WALL BRACING NEEDED & PROVDED IRC R602.10.4 WALL BRACING METHOD CS-PF MIN WIDTH FOR 8' CLG.= 16"

IST FLOOR - 8' CLG - 22'-7.5" LONG WALL 'A' BRACING NEEDED: 3'-6" x 0.9 = 3'-2" MIN. P.F. PROVIDED: 2'-9" x 1.5=4'-0"

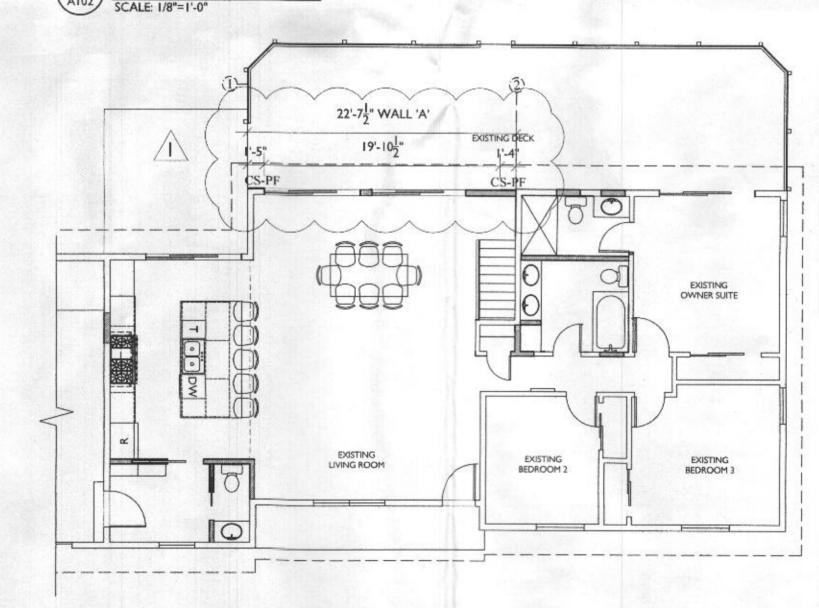
BRACED WALL PANEL WOOD STRUCTURAL PANEL (UNLESS OTHERWISE NOTED)



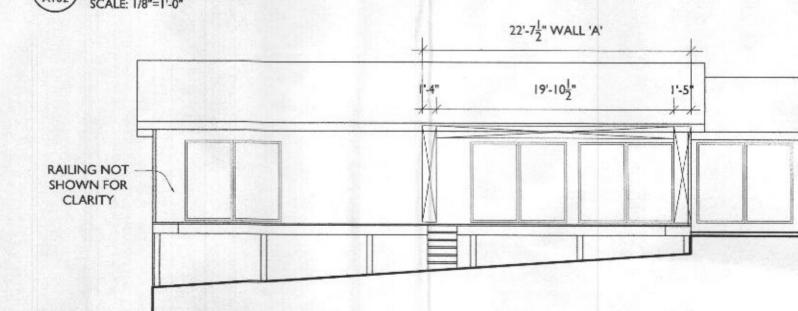
FOUNDATION PLAN OF PATIO



S ROOF FRAMING PLAN



4 LATERAL BRACING PLAN SCALE: 1/8"=1'-0"



3 LATERAL BRACING ELEVATION
SCALE: 1/8"=1'-0"



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PROJECT PHASE **PERMIT**

PROJECT TITLE

THE HEINLEIN RESIDENCE

12850 Triadelphia Road Ellicott City, MD 21042

REVISIONS		
SYMBOL	DATE	ISSUED FOR
\triangle	2/9/2023	PERMIT REVISIONS

22-626 PROJECT NUMBER 2/9/2023 DATE AS NOTED SCALE

DRAWING TITLE FRAMING, FOUNDATION + LATERAL BRACING

SHEET NUMBER

A-102