GROUND		WIND DE	SIGN			SEISMIC	SUB	JECT TO DAMAG	E FROM	WINTER	ICE BARRIE	R	AIR	ME
	Speed (mph)	Topographi effects	c Specia regi		d-borne Is zone	DESIGN CATEGORY	Weathering	Frost Ilne depth	Termite	DESIGN TEMP.			EDEEZING	ANN TE
30 PSF	115	NO	NC		NO	В	Severe	30 Inches	Moderate to Sever		Yes	July 2, 197		55
WIND EXPOSURE	FOR THIS	SITE: "B", URBA	N OR SUBURB	ERY COUNTY, MAI AN WITH CLOSELY BY GEOTECHNICA	SPACED C			Applica	able Cor	les for	Montgo	mery C	ountv	мг
09251 FIRE-R											tial Code (2018	•	ounty,	
FOLLOWS:				PER IRC2020 TA				Electrical	National	Electrical Co	de (2017 Editio))		
BOARD OF	r Equivalei	NT APPLIED TO	THE GARAGE S					Plumbing Mechanical			g Code (2018 E ical Code (2018			
5/8–INCH	I TYPE X G	PSUM BOARD	OR EQUIVALENT			IIMUM		Gas	Internatio	onal Fuel Gas	s Code (2018 E	lition)		
SEPARATIO	ON REQUIRE	D BY THE SECT		IG ASSEMBLIES U AGE WITH MINIMU		Н		Fire Protection Energy			on Association [·] Code Council (:	-		
	BOARD OR E									57	, v	,		
4) PROVID 5) DUCTS HAVE OPE	DE SOLID WO PENETRATI	NG GARAGE WA THE GARAGE.	IMUM 1 3/8" LLS SHALL BE	E PER R302.5: THICK FROM GARA MINIMUM 26 GAG OOM ARE NOT PE	AND SHA			Minimu		ormly C	Distribut		Loads	
0) OPENIN		THE GARAGE TO	A SELFING N					Uninhabitable a			· ·	nds per square	foot (psf)	
								Uninhabitable a Habitable attics			20 psf stalrs 30 psf			
15151 PASSIVE Provide Page		<u>AS CONTROLS</u> n Gas Controls	-	opendiy F.				Exterior balcon	ies and decks		40 pst			
1) Close p	potential ra		s including flo	or openings, pipe	penetratior	IS		Fire Escapes Guards and har	ndrails		40 psf 200 po	und single poin	t load	
2) Grout	solid one c	ourse of mason	ry foundation	walls above grade				Guard in-fill co Passenger vehi			50 psf 50 psf			
4) Provide				pplicable. mechanical exhc	ust system	in		Rooms other th	nan sleeping roo		40 psf			
5) Install	"T" fittings	under existing	basement slat	or directly into ditioned space of	an interior	na to		Sleeping rooms Stairs	s (and associat	ed closets &	baths) 30 psf 40 psf			
terminate	not less th	an 12 inches a	bove the roof	and, in applicabl e exhaust point.	e, not less	than 10								
.set anay			un	pont.				Materia	al Strend	ath for	Structu	al Mem	bers	
<u>13930 WET-PI</u>									USE	,		MINIMUM ST		
				ler system per lf P2904 or NFPA		3,		Soil Concrete Footii	nas		2,000 ps 2,500 ps	*		
-								Concrete Found	dation Walls		2,500 ps			
								Concrete Base			2,500 ps 3,500 ps			
								Wood Sill Plate	-			sure-treated		
								Wood I-Joists Rim Joists			See EWF	Supplier's Eng	Ineered drawl	ngs
								PSL Posts						J-
								Studs LVL Beams				ndard or stud g 50 psi UON	rade @ 16"	
								Floor Sheathing Wall Sheathing	Engineer		3/8" Min	num on joists @ num with 6d 2"	-	
								Roof SheathIng		ructural Pane	15/32" M	nimum or comp	oly w/R503.2.1	1
								Wood Trusses	(See Calculatio	ns)	Southerr	Pine No. 2 UOI	N, @ 24"	
		bit 2 H C	•	No: A	DC) 25-0	1	* Soils assumed to Test soil that appe d = penny EWP = Engineered LVL = Laminated V PSL = Parallel Stra UON = Unless Othe	ears weak such as o Wood Product(s) /eneer Lumber and Lumber					
oplicant Nar			Santos			DRKSHEE	Date4	/5/24						
_								P)# SEMBLY DES						
			MAX.				~~~							
WIND 11 11 11/1/19	S/DOOI	าอ	-FACTOR	0.32	0).31	Anderson Ti	ilt-Wash 200 S	Series,					
GLAZED		Ľ	MAX.				Low E4, or s	• ••	,					

Building Address 507 Trola	Drive, Silver	_ Permti (A/P)#			
CRITERIA		REQUIRED	PROVIDED	ASSEMBLY DESCRIPTION	
WINDOWS/DOORS GLAZED	MAX. U-FACTOR	0.32	0.31	Anderson Tilt-Wash 200 Series,	
FENESTRATION	MAX. SHGC	0.55	0.30	Low E4, or similar	
	MAX. U-FACTOR	0.4	N/A		
SKYLIGHTS	MAX. SHGC	0.4	N/A	N/A	
CEILINGS	31100	R-49	R-49	BLOWN -IN OR FIBERGLASS BATT	
WALLS (wood framing)	— щ —	R-20 or	R-20	FIBERGLASS BATT - 2x6 WALLS	
MASS WALLS	<u>-</u>	<u>13+5</u> **R-8/13	R-13	FIBERGLASS BATT - 2x4 WALLS	
BASEMENT WALLS	– ä –	**R-10/13	R-13	FIBERGLASS BATT - 2x4 WALLS	
FLOORS	Л	R-19	N/A	N/A	
SLAB PERIMETER R-value, depth	MINIMUM R-VALUE	R-19, 2 ft	R-10, 2ft	2" RIGID POLYSTYRENE	
CRAWL SPACE WALLS	<u> </u>	**R-10/13	N/A	N/A	
*The first R—value applies to continuous insulation sheath the basement wall." ** The second R—value appli Insulation material used in lo	ing on the i ies when mo ayers, such	nterior or exten are than half th	rior of the hom ne insulation is	aming cavity insulation. "10/13 means R—10 ne or R—13 cavity insulation on the interior o on the interior of the mass wall. and insulating sheathing, shall be summed to	
*The first R-value applies to continuous insulation sheath the basement wall." ** The second R-value appli Insulation material used in lo compute the component R- D Thermally Isolated Sunroon Minimum Ceiling R-V Minimum Wall R-Value	ing on the i ies when mo ayers, such value. n, Check bo Value of Sun ue (R-13)	nterior or exten ore than half th as framing cav x if applicable. room (R—19)	rior of the hom ne insulation is rity insulation a	ne or R—13 cavity insulation on the interior o on the interior of the mass wall.	
 *The first R-value applies to continuous insulation sheathing the basement wall." ** The second R-value applies to locate the second R-value applies in the component R- Thermally Isolated Sunroom Minimum Ceiling R-N Minimum Wall R-Value New wall(s) separation I hereby certify that the buing meet or exceed the requirer X 2020 Edition International 	ing on the i ies when mo ayers, such value. n, Check bo Value of Sun ue (R—13) ng a sunroo Iding design nents of: Energy Cons	nterior or exten ore than half th as framing cav x if applicable. room (R—19) m from conditi represented in servation Code	rior of the hom ne insulation is ity insulation a the attached (IECC)	ne or R—13 cavity insulation on the interior o on the interior of the mass wall. Ind insulating sheathing, shall be summed to	
 *The first R-value applies to continuous insulation sheathing the basement wall." ** The second R-value applies to compute the component R- Thermally Isolated Sunroom Minimum Ceiling R-N Minimum Wall R-Value New wall(s) separation I hereby certify that the buing meet or exceed the requirer and the requirer are 2020 Edition International Douglas Mader Builder/Designer/Contractor 1 Section R103.3.1 "Documents shall be shall have the authority to issue a period." 	ing on the i ies when mo ayers, such value. n, Check bo Value of Sun ue (R-13) ng a sunroo Iding design nents of: Energy Cons Energy Cons	nterior or exten ore than half th as framing cav x if applicable. room (R–19) m from conditi represented in ervation Code <u>ouglas Ma</u> Company N	rior of the hom ne insulation is rity insulation a the attached (IECC) ader, AIA Name	ne or R—13 cavity insulation on the interior o on the interior of the mass wall. Ind insulating sheathing, shall be summed to all meet the building thermal envelope require construction documents has been designed to	

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New Garage and Addition to Private Residence at 907 Nora Drive Silver Spring, MD 20904

Project Description:

APPROVED Department of Permitting Services Permit # BUILDING-1050889 Date og/11/24

Date 08/21/24

Project is to add a Garage with an Accessory Dwelling Unit Apartment above linked to the existing house.

INDEX OF DRAWINGS:

1 of 8	A0	COVER SHE
2 of 8	A1	GARAGE LE
3 of 8	A2	ROOF PLAN
4 of 8	A3	ELEVATION
5 of 8	A4	WALL SECT
6 of 8	A5	WIND BRAC
7 of 8	S 1	FOUNDATIC
8 of 8	S2	FLOOR & RO

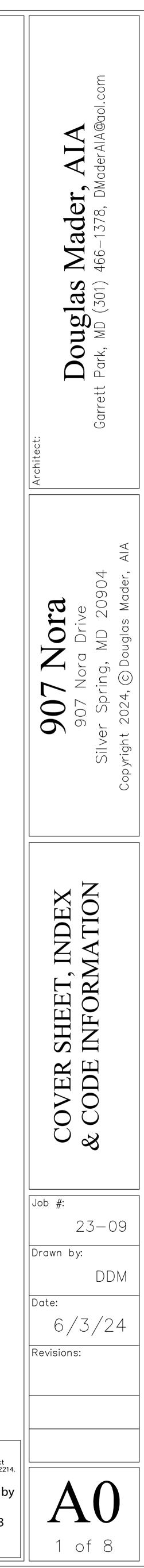
ZONE: R-90 SINGLE FAMILY RESIDENTIAL MIN. FRONT YARD SETBACK = 30' ALLOWED, 40'+ PROF MIN. SIDE YARD = 9' ALLOWED, $10'\pm$ PROPOSED MIN. REAR YARD = 25' ALLOWED, $26'-8''\pm$ PROPOSED MAX COVERAGE = 3,175 SF (AS INFILL PROJECT) MAX HEIGHT = 35' TO RIDGE ALLOWED. $25'-8''\pm$ PROPO	
LOT COVERAGE: THIS IS AN INFILL PROJECT BECAUSE ADDITION IS < 50% FLOOR AREA OF HOUSE 15,467 - 6,000 = 9,467, 30.0% - 9.47% = 20.53% 15,467 SF x 20.53% = 3,175 SF ALLOWED. EXISTING HOUSE + PORCH + GARAGE = 1,887 SF. 832 SF GARAGE + 288 SF LINK = 1,120 SF PROPOSED ADDITION. 1,887 + 1,120 = 3,007 SF PROPOSED LOT COVERAGE .	<u>8'-0"</u> 10'-0" PI
	Proposed 32 Garage
NO DEMOLITION OF THE EXISTING HOUSE, GARAGE, PORCH OR PATIO IS PROPOSED.	w/ADU abo Ridge 35' m REA BUIL FOR
NARRATIVE:	
NARRATIVE:	
CLIENT CURRENTLY RENTS THE HOUSE AND WOULD LIKE TO BUILD A GARAGE WITH ADU ABOVE IN REAR YARD OF A CORNER LOT. HE PLANS TO MOVE INTO THE NEW APARTMENT AND USE THE GARAGE AND STORAGE. IN THE FUTURE HIS DAUGHTER MAY OCCUPY THE HOUSE.	
BY LINKING THE NEW BUILDING WITH THE EXISTING HOUSE IT BECOMES PART OF THE MAIN HOUSE, SUBJECT TO MAIN BUILDING SETBACKS AND HEIGHT ALLOWANCES IT IS NOT AN ACCESSORY STRUCTURE.	``_``
SITE INFORMATION TAKEN FROM PLAT No. 5455 AND 2/10/22 LOCATION DRAWING BY DULEY & ASSOCIATES.	
ARCHITECTURAL SITE PL/	AN S
SCALE: 1" = 20' 0 10' 20' 30'	

EET, SITE PLAN, INDEX & CODE INFORMATION EVEL AND APARTMENT PLANS & BUILDING SECTIONS VS **FIONS & DETAILS** CING & THERMAL ENVELOPE ON PLAN & DETAIL OOF FRAMING PLANS

MAIN HOUSE DEVELOPMENT STANDARDS: FRONT SETBACK: 30' (BOTH STREET SIDES) REAR YARD: 25' SIDE YARD: 8' 30' MAXIMUM BUILDING HEIGHT TO MIDPOINT OF MAIN ROOF. 35' MAXIMUM HEIGHT TO RIDGE. ATTACHMENT CONNECTING WINGS MUST BE MINIMUM 8' WIDE. (9' PROPOSED.) PASSAGEWAY MUST BE ENCLOSED, CONDITIONED SPACE. UPSTAIRS WILL BE A LICENSED ACCESSORY DWELLING UNIT (ADU). 832 SF GARAGE WITH 9' CEILING, 832 SF RECTANGULAR APARTMENT WITH 8' CEILINGS. ADU WILL INCLUDED USE OF 66 SF BATHROOM IN GARAGE AND 288 SF STORAGE ROOM UNDER PASSAGEWAY. 58'-7" PROPOSED N 09°21'00" W 148.09' -SIDE SETBACK →<u>~</u>_____ - _____ - _____ - _ 32'-0" PROPOSED /// Drive 26'-8" 'x26' ´/Passageway´ ETR Garage ove nax. / / / ETR <u>o</u> ETR 1,677 SF ² 210 SF ω Frame House Ľ. R SETBACK #907 _DABLE AREA g AIN HOUSE. ETR Nor 30'-0" PATIO 28'-8" SECOND FRONT SETBACK - NEW CURB CUT AND DRAINAGE CULVERT. 15,467 SF Block 1, Lot 7 └─ FRONT PROPERTY LINES -Renick Lane ETR = EXISTINGTO REMAIN Block 1, Lot 7 **SPRINGBROOK KNOLLS** Silver Spring, MD Montgomery County NORTH







Digitally signed by Douglas Mader Date: 2024.06.03 17:17:07 -04'00'