Comp	onent cons	struction															
repor	t																
4430 9th St	NW, Washington DC	20011															
	r: Brandon Gallas																
10/11/2015																	
						General							Bel	ow Grade V	Valls		
	Zone	Room	width	length ew	height above grade	height below grade	cooling?	heating?	Floor	Appliances?	U-Value	Wall Length	Avg Ceiling Height	Avg Depth Below Grade	Exterior Finish	Interior	Board Insulation R- Value
C		ROOM	ns (ft)	(IL)	graue	graue	coolings	neating:	FIOOI	Appliances	0-value	Length	пеідііі	Graue	FIIIISII	Framing	value
System 1: 1:	st floor AC				1	ı	1	1	1			1	ı	1	1	1	
	Zone 1: First Floor Existing	First Floor Existing		20 3	5 10.1		cooling			Default Kitchen							
	Zone 1: First Floor Existing	First Floor Existing		.0 3	5 10.1		Cooling			Ritchen							
	Zone 1: First Floor Existing	First Floor Existing															
	Zone 1: Basement	Basement		20 3	6 3.75	j Δ	1	heating	C		0.1	7 76	5 7.75	5 4	8-Brick	No	None
	Zone 1: Sun Room	Sun Room		.6	8 10.1	() cooling		1								
	20 1. 3411 1.00111	54.7100111			10.1		COOMING		'			+					

																Т
Componen	t construction															
report																
4430 9th St NW, Wash	ington DC 20011															+
Homeowner: Brandon																1
10/11/2015																
									Above Grad	le Walls						
Zone	Room	U-Value	Avg Ceiling Height	North	East	South V		Framing Material	Board Insulation	Exterior Finish	Thickness	Framing Material	Constr.	Cavity Insulation	Board Insulation	Exterior Finish
System 1: 1st floor AC		o value	c.gc		Lust	Journ 1	· cot	viateriai	saration		rinciaress	Material	Constr	saration	iii baia cion	
System 1. 1st noon Ac			1	1											1	
Zone 1: F	irst Floor															
Existing	First Floor Existing	0.388	10.1	36	20	0	4 E	Brick	R-0	Any	8"					
Zone 1: F																1
Existing	First Floor Existing															
Zone 1: F Existing	irst Floor First Floor Existing															
Zone 1: B	lasement Basement	0.388	3.75	36	5 20	0	20 8	Brick	R-0	Any	8"					
										,						
Zone 1: S	un Room Sun Room	0.058	10.1	8	3 (0	16					Wood	2x6	R-21	R-3	Siding
ı					1											

Comp	onent cons	truction																
report	t																	
4430 9th St	NW, Washington DC 2	0011																
	r: Brandon Gallas																	
10/11/2015																		
						T	1			Windo	ows			1		_		
					SHGC		Area						Type of		Insect	Internal	Shade	Color/Cla
	Zone	Room	Group ID	U-value	Value	Override	(SqFt)	Override	North	East	South	West	Window	Pane	Screen	Shade	Туре	s
System 1: 1s	st floor AC		<u> </u>															
	Zone 1: First Floor		DoubleHung											Double	Outdoor	Internal	0.5 Roller	
	Existing	First Floor Existing	1 window	0.5	0.76	on+off+on	NA	on	4.	5	30	0	0 Window	Pane	Half	Shade	Shade	Dark
	Zone 1: First Floor													Double				
	Existing	First Floor Existing	2 Window by door	0.5	0.76	on+off+on	NA	on		כ	11	0	0 Window	Pane	None	None		-
	Zone 1: First Floor		Deco window											Double				
	Existing	First Floor Existing	3 with storm	0.5	0.76	on+off+on	NA	on	13	,	0	0	5 Window	Pane	None	None		
								-										†
														Double	Outdoor	Internal	0.5 Roller	
	Zone 1: Basement	Basement	6 Sliding window	0.5	0.76	on+off+on	NA	on	18	8	4.5	0	0 Window	Pane	Full	Shade	Shade	Dark
			Casement											Double	Indoor	Internal	0.5 Roller	
	Zone 1: Sun Room	Sun Room	4 window	0.29	0.28	on+off+on	NA	on	10	1	0	0	35 Window	Pane	Full	Shade	Shade	Dark
				0.23	5.20	2 311	+		1	+		-		· unc				+

																				$\overline{}$	
Compo	onent cons	truction																			
report																					
	NW, Washington DC 2	20011																		1	
Homeowner	: Brandon Gallas																				
10/11/2015																					
				Doors													Ceiling				
																				1	
	Zone	Room		Group ID	U-Value	Qty	Width	Height	% Glass	Mat	terial	Core	Group II	11-1/2	ue SF	Cailing Type	Attic Ventilation	Radiant Barrier	Roof Material	Roof Color	R-Value
System 1: 1st		ROOM	_	Group ID	0-value	Qty	witti	rieigiit	70 Glass	iviat	teriai	core	Group II) U-va	ue 3F	Centrig Type	ventilation	barrier	iviateriai	ROOI COIOI	N-Value
System 1. 18	l lloor AC				1	1		1			1			1			1	1	1	1	Ĭ
	Zone 1: First Floor																				
	Existing	First Floor Existing		1 Front Door	0.39	,	1	3	7	0 Woo	ood !	Solid								1	
	Zone 1: First Floor																				
	Existing	First Floor Existing																			
																				1	
	Zone 1: First Floor																				
	Existing	First Floor Existing	_																	 '	
												Solid with									
				Basement								Metal								1	
	Zone 1: Basement	Basement		3 Door	0.28		1	3 6	.6	50 Woo		Storm									
					0.20					22,000										+	
												Solid with									
												Metal									
	Zone 1: Sun Room	Sun Room		2 Back Door	0.28		1	3	8	50 Woo	od !	Storm									

Comp	onent cons	truction											
report													
•	NW, Washington DC 2	0011											
	: Brandon Gallas	0011											
10/11/2015													
				•				Floors					
	Zone	Room		Group ID	U-value	Perimeter	Area	Floor Type	Tightness	Floor Type	Wall Insulation	Floor Insulation	Floor Cover
System 1: 1s		ROOM		Group ID	0-value	remineter	Aica	11001 Type	rigitaless	11001 Type	insulation	insulation	COVE
System 1. 13	l lloor AC								1		1		
	Zone 1: First Floor												
	Existing	First Floor Existing											
	Zone 1: First Floor												
	Existing	First Floor Existing											
	Zone 1: First Floor												
	Existing	First Floor Existing	_										
								Concrete Slab on					Heavy Dry
	Zone 1: Basement	Basement	2	Foundation	0.053	112		grade	NA	Passive	NA	R-0	Soil
	zone zi basemene	basement		- Canaation	0.033		,20	B. a.a.c		. 455.74			50.11
								Floor Over					
				Under				Unconditioned Crawl				R-19	
	Zone 1: Sun Room	Sun Room	1	SunRoom	0.049	48	128	Space or Basement	Sealed	Passive	R-0	blanket	Any

														T
Comp	onent cons	truction												
repor	t													
	NW, Washington DC 2	0011												+
	r: Brandon Gallas													
10/11/2015														
				l.					Ductwork					
														T
					Roof	Attic			Outlet			% in Unconditioned	Supply	Return
	Zone	Room	Setup	Location	Surface	Temp	Supply Geo	Return Geo	Location	Tightness	R-Value	Space	Sqft	Sqfrt
System 1: 1:	st floor AC													
				Closed										
	Zone 1: First Floor		heated +	Crawl			Trunk and	1-2 returns		Default Not				
	Existing	First Floor Existing	cooled	Space	NA	NA	Branch	close to unit	of rooms	Sealed	R-6	()	0
	Zone 1: First Floor													
	Existing	First Floor Existing												
	Zone 1: First Floor													
	Existing	First Floor Existing												_
	Zone 1: Basement	Basement												4
	Zone 1: Sun Room	Sun Room												
	Lone 1. Juli Noolii	Jun Noom			+		+			+				+

Compo	onent const	truction																
report																		
	NW, Washington DC 20	0011																
Homeowner	: Brandon Gallas																	
10/11/2015	1																	
					1		General			1				Bel	ow Grade V	Valls		
	Zone	Room	width ns (ft)	leng	gth ew		height below grade	cooling?	heating?	Floor	Appliances?	U-Value	Wall Length	Avg Ceiling Height	Avg Depth Below Grade	Exterior Finish	Interior Framing	Board Insulation R- Value
System 2: He	ating									1				, ,				
	Zone 1: First & Second Floor Existing	First & Second Floor Existing		20	36	19.5		o	heating	1 (and 2)	Default Kitchen							
	Zone 1: First & Second Floor Existing	First & Second Floor Existing																
	Zone 1: First & Second Floor Existing	First & Second Floor Existing																
	Zone 1: Basement	Basement		20	36	3.75		4	heating	0			76	7.75	. 4	8-Brick	No	None
	Zone 2: Third Floor	Third Floor		20	36	9.5		0	heating	3								
	Zone 2: Third Floor	Third Floor																
	Zone 3: Sun Room	Sun Rooom		16	8	10.1	(0	heating	1								
	Zone 4: Master Bath	Master Bath		16	8	9.4			heating	1								
-	Zone 4. Master Bath	iviastei Datti		10	8	9.4	,	J	neating	1		-						

C = 112 12																	
	onent const	ruction															
report	t																
4430 9th St I	NW, Washington DC 20	011															
Homeowner 10/11/2015	: Brandon Gallas																+
,,				l.	l.	Į.			1	Above Grad	le Walls	Į.		1			
	Zone	Room	U-Value	Avg Ceiling Height	North	East	South	West	Framing Material	Board Insulation	Exterior Finish	Thickness	Framing Material	Constr.	Cavity Insulation	Board Insulation	Exterior Finish
System 2: He	l .			J					_				ı				
	Zone 1: First & Second Floor Existing	First & Second Floor Existing	0.388	19.5	36	5 20) 2	2	1 Brick	R-0	Any	8"					
	Zone 1: First & Second Floor Existing	First & Second Floor Existing															
	Zone 1: First & Second Floor Existing	First & Second Floor Existing															
	Zone 1: Basement	Basement	0.388	3.75	36	6 20	0	20) Brick	R-0	Any	8"					
	Zone 2: Third Floor	Third Floor	0.388	9.5	36	i 20	0	20)				Wood	2x6	R-21	R-3	Siding
	Zone 2: Third Floor	Third Floor															
	Zone 3: Sun Room	Sun Rooom	0.058	10.1	8	3 (16					Wood	276	D 21	R-3	Siding
	Zone 3. Sun Room	JOHN KUUUIII	0.058	10.1			, 0	16	,				vvoou	2x6	R-21	n-3	Juling
	Zone 4: Master Bath	Master Bath	0.058	9.4	8	3 (0 0	16	5				Wood	2x6	R-21	R-3	Siding

Comp	onent const	ruction																
report																		
•	NW, Washington DC 20	011																1
	r: Brandon Gallas																	
10/11/2015	_																	
						1				Window	S							_
	Zone	Room	Group ID	U-value	SHGC Value	Override	Area (SqFt)	Override	North	East	South	West	Type of Window	Pane	Insect Screen	Internal Shade	Shade Type	Color/Cla
System 2: He	1	ROOM	Group ID	0-value	value	Override	(эчгі)	Override	NOITH	Last	300111	west	Willidow	raile	Screen	Silaue	туре	3
System 2. He	eating																	
	Zone 1: First & Second Floor Existing	First & Second Floor Existing	DoubleHung 1 window	0.5	0.76	on+off+on	NA	on	#REF!	#REF!		0	0 Window	Double Pane	Outdoor Half	Internal Shade	0.5 Roller Shade	Dark
	Zone 1: First & Second Floor Existing	First & Second Floor Existing	2 Window by door	0.5	0.76	on+off+on	NA	on	C)	11	0	0 Window	Double Pane	None	None		
	Zone 1: First & Second Floor Existing	First & Second Floor Existing	Deco window 3 with storm	0.5	0.76	on+off+on	NA	on	12	2	0	0	5 Window	Double Pane	None	None		
	Zone 1: Basement	Basement	6 Sliding window	0.5	0.76	on+off+on	NA	on	18	3 4	1.5	0	0 Window	Double Pane	Outdoor Full	Internal Shade	0.5 Roller Shade	Dark
	Zone 2: Third Floor	Third Floor	DoubleHung 5 window	0.29	0.28	on+off+on	NA	on	33.75	i 29.	25	0	0 Window	Double Pane	Outdoor Half	Internal Shade	0.5 Roller Shade	Dark
	Zone 2: Third Floor	Third Floor	5 French Doors	0.29	0.28	on+off+on	NA	on	C)	0	0	French 40.5 Door	Double Pane	None	Internal Shade	0.5 Single Drape Half Open	Average
	Zone 3: Sun Room	Sun Rooom	Casement 7 window	0.29	0.28	on+off+on	NA	on	10)	0	0	35 Window	Double Pane	Indoor Full	Internal Shade	0.5 Roller Shade	Dark
	Zone 4: Master Bath	Master Bath	Casement 7 window	0.29	0.28	on+off+on	NA	on	C		0	0	52.5 Window	Double Pane	Indoor Full	Internal Shade	0.5 Roller Shade	Dark

Compo	onent const	ruction																	
report																			
	NW, Washington DC 20	0011																	
	: Brandon Gallas	1011																	
10/11/2015																			
			Doors									T	ı	ı	Ceiling	ı	ı	Т	ı
															Attic	Radiant	Roof		
	Zone	Room	Group ID	U-Value	Qty	Width	Height	% Glass	Material	Core	Group ID	U-Value	SF	Ceiling Type				Roof Color	R-Value
System 2: He	ating	,			,	į.	Ţ		,					,		,	ļ	ļ.	
	Zone 1: First &	First & Second Floor																	
	Second Floor Existing		1 Front Door	0.39		1	3	7 (Wood	Solid									
	Second Froor Existing	zxisting	11101112001	0.00		-			,oou	Jona									
	Zone 1: First &	First & Second Floor																	
	Second Floor Existing	Existing																	
	Zone 1: First &	First & Second Floor																	
	Second Floor Existing																		
										Solid with									
	Zone 1: Basement	Basement	Basement 3 Door	0.28		1	3 6.0	5 50	Wood	Metal Storm									
	Zone in Busement	basement	3 200.	0.20		-	0	3.		5.0									
														Ceiling					
														Under Attic					
	Zone 2: Third Floor	Third Floor									1 3rd Floor	0.026	720	or Knee Wall	Vented	No	Membran e		R-38
	Zone Z. mira ricor	TIIITU FIOOT									1 310 11001	0.026	720	Wall	venteu	INO	е	wille	r-30
	7 2. Third Floor	Third Class																	
	Zone 2: Third Floor	Third Floor																	
										Solid with									
	- 26 -							_		Metal									
	Zone 3: Sun Room	Sun Rooom	2 Back Door	0.28	1	1	3 8	3 50	Wood	Storm									
														Ceiling					
											Master			Under Attic					
											Bath			or Knee					
	Zone 4: Master Bath	Master Bath									2 Ceiling	0.026	128	Wall	Unvented	No	Any	Any	R-38
														1					

Comp	onent const	ruction											
eport													
	NW, Washington DC 20	011	_										
omeowner	: Brandon Gallas	-											
0/11/2015													
								Floors			1		1
												51	51
	Zone	Room		Group ID	U-value	Perimeter	Area	Floor Type	Tightness	Floor Type	Wall Insulation	Floor Insulation	Floor Cover
stem 2: He	eating				1	1	1				1	1	
	Zone 1: First & Second Floor Existing	First & Second Floor Existing											
	Zone 1: First & Second Floor Existing	First & Second Floor Existing											
	Zone 1: First & Second Floor Existing	First & Second Floor Existing											
	Zone 1: Basement	Basement	2	Foundation			Basement Floor	Concrete Slab	NA	Passive	R-0	Heavy Dry Soil	
	Zone 2: Third Floor	Third Floor											
	Zone 2: Third Floor	Third Floor											
	Zone 3: Sun Room	Sun Rooom		Under SunRoom		0.049	128	Floor Over Unconditioned Crawl Space or Basement	Sealed	Radiant	R-0	R-19 blanket	Any
	Zone 4: Master Bath	Master Bath											

														T
Compo	onent const	ruction												
report														
430 9th St N	IW, Washington DC 20	011												-
omeowner: 0/11/2015	Brandon Gallas													
0/11/2015									Ductwork					
					Roof	Attic			Outlet			% in Unconditioned	Supply	Return
	Zone	Room	Setu	Location		Temp	Supply Geo	Return Geo		Tightness	R-Value	Space	Sqft	Sqfrt
stem 2: He	ating													
	Zone 1: First & Second Floor Existing	First & Second Floor Existing												
	Zone 1: First & Second Floor Existing	First & Second Floor Existing												
	Zone 1: First & Second Floor Existing	First & Second Floor Existing												
	Zone 1: Basement	Basement												
	Zone 2: Third Floor	Third Floor												
	Zone 2: Third Floor	Third Floor												
	Zone 3: Sun Room	Sun Rooom												
	Zone 4: Master Bath	Master Bath												
														+

Comp	onent cons	truction															
report	t																
		0011															
4430 9th St NW, Washington DC 20011 Homeowner: Brandon Gallas																	
10/11/2015			-														
					Į.	General		-					Be	low Grade V	Valls		
	Zone	Room	width ns (ft)	length ev	height above grade	height below grade	cooling?	heating?	Floor	Appliances?	U-Value	Wall Length	Avg Ceiling Height	Avg Depth Below Grade	Exterior Finish	Interior Framing	Board Insulation R- Value
System 3: Se	econd & Third Floor AC																
	Zone 1: Second Floor Existing	Second Floor Existing	2	0 3	6 9	4	cooling		2	2							
	Zone 1: Master Bath	Master Bath	1	6	8 9	.4	cooling		1	L							
	Zone 1: Third Floor	Third Floor	2	0 3	6 9	5	Cooling										
	Zone 1. mild Floor	Tilliu Floor	2	0 3	9	.5	Cooling		3								
	Zone 1: Third Floor	Third Floor															

Comp	onent const	ruction																
report	t																	
	NW, Washington DC 20																	
Homeowner: Brandon Gallas																		
10/11/2015																		
											Above Grad	de Walls						
	Zone	Room		Avg Ceiling Height	North	East	:	South	West	Framing Material	Board Insulation	Exterior Finish	Thickness	Framing Material	Constr.	Cavity Insulation	Board Insulation	Exterior Finish
System 3: Se	econd & Third Floor AC			_						L								
	Zone 1: Second Floor	Second Floor																
	Existing	Existing	0.388	9.4	1 3	36	20		2	4 Brick	R-0	Any	8"					
	Zone 1: Master Bath	Master Bath	0.058	9.4	ı	8	0		0	16				Wood	2x6	R-21	R-3	Siding
	Zone 1: Third Floor	Third Floor	0.388	9.5	5	36	20		0	20				Wood	2x6	R-21	R-3	Siding
	Zone 1: Third Floor	Third Floor																

Compo	onent const	ruction																
report																		
4430 9th St N	NW, Washington DC 20	011																
	: Brandon Gallas																	
10/11/2015																		
				1	ı			1		Wind	dows				1	1		
1					SHGC		Area						Type of		Insect	Internal	Shade	Color/Cla
	Zone	Room	Group ID	U-value	Value	Override	(SqFt)	Override	North	East	South	West	1	Pane	Screen	Shade	Туре	s
System 3: Se	cond & Third Floor AC							,			,		,	<u>, </u>	,			
	Zone 1: Second Floor	Second Floor	DoubleHung											Double	Outdoor	Internal	0.5 Roller	
	Existing	Existing	1 window	0.5	0.76	on+off+on	NA	on	60	0	51	0	0 Window	Pane	Half	Shade	Shade	Dark
			Casement							_				Double	Indoor	Internal	0.5 Roller	
	Zone 1: Master Bath	Master Bath	7 window	0.29	0.28	on+off+on	NA	on	(J	0	0	52.5 Window	Pane	Full	Shade	Shade	Dark
			DoubleHung											Double	Outdoor	Internal	0.5 Roller	
	Zone 1: Third Floor	Third Floor	5 window	0.29	0.28	on+off+on	NA	on	33.75	5	29.25	0	0 Window	Pane	Half	Shade	Shade	Dark
																	0.5 Single	
													French	Double		Internal	Drape	
	Zone 1: Third Floor	Third Floor	5 French Doors	0.29	0.28	on+off+on	NA	on	(0	0	0	40.5 Door	Pane	None	Shade	Half Open	Average

											T 1		1						
Comp	onent const	truction																	
report	-																		
											-								₩
	NW, Washington DC 20 : Brandon Gallas	0011									 								+
10/11/2015											 								
10/11/2015	1		D												C-:II:				
			Doors								1		ı		Ceiling	1			
															Attic	Radiant	Roof		
	Zone	Room	Group ID	U-Value	Qtv	Width	Height	% Glass	Material	Core	Group ID	U-Value SF						Roof Color	R-Value
	cond & Third Floor AC		Group is		1		10				Group is			0 71-					
System 5. 50	Tillia 11001 AC				1			1					- 1						
	Zone 1: Second Floor	Second Floor																	
	Existing	Existing																	
													(Ceiling					<u> </u>
											Master			Jnder Attic					
											Bath			or Knee					
	Zone 1: Master Bath	Master Bath									2 Ceiling		128 \	Wall	Unvented	No	Any	Any	R-38
														Ceiling			,		
													ι	Jnder Attic					
													c	or Knee			Membran		
	Zone 1: Third Floor	Third Floor									1 3rd Floor	0.026	720 V	Vall	Vented	No	e	White	R-38
	Zone 1: Third Floor	Third Floor																	

Component cons	truction											
report												
4430 9th St NW, Washington DC 2	20011											-
Homeowner: Brandon Gallas											+	
10/11/2015											1	
			-11	Ш.	1		Floors	W.		· ·		
_							51 -	T. 1.	51 -	Wall	Floor	Floor
Zone	Room		Group ID	U-value	Perimeter	Area	Floor Type	Tightness	Floor Type	Insulation	Insulation	Cover
System 3: Second & Third Floor A	С		I	1	1		1	1	l	ı		
Zone 1: Second Floo Existing	r Second Floor Existing											
Zone 1: Master Bath	Master Bath											
Zone 1: Third Floor	Third Floor	_										_
Zone 1: Third Floor	Third Floor											

I -	onent const	ruction														
report	[
4430 9th St	NW, Washington DC 20															
Homeowner: Brandon Gallas																
10/11/2015																
				Ductwork												
					Roof	Attic			Outlet			% in Unconditioned	Supply	Return		
	Zone	Room	Setup	Location	Surface	Temp	Supply Geo	Return Geo	Location	Tightness	R-Value	Space	Sqft	Sqfrt		
System 3: Se	econd & Third Floor AC		-	<u> </u>												
				Closed												
	Zone 1: Second Floor	Second Floor	heated +	Crawl			Trunk and	1-2 returns	Perimeter	Default Not						
	Existing	Existing	cooled	Space	NA	NA	Branch	close to unit	of Rooms	Sealed	R-6	()	0 0		
	Zone 1: Master Bath	Master Bath														
	Zone 1: Third Floor	Third Floor														
	Zone 1: Third Floor	Third Floor														