

## A MARKET CONDITIONS AND PROJECT EVALUATION SUMMARY OF:

### IVY RIDGE APARTMENTS

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# IVY RIDGE APARTMENTS

1525 Laurel Crossing Parkway Buford, Gwinnett County, Georgia 30519

Effective Date: October 28, 2018 Report Date: November 21, 2018

Prepared for:
Mr. Brandon Delk
VP of Development
Pedcor Investments, A Limited Liability Company
One Pedcor Square
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Prepared by: Novogradac & Company LLP 2325 Lakeview Parkway, Suite 450 Alpharetta, Georgia 30009 678-867-2333





November 21, 2018

Mr. Brandon Delk VP of Development Pedcor Investments, A Limited Liability Company One Pedcor Square 770 3rd Avenue, S.W. Carmel, IN 46032

Re: Application Market Study for Ivy Ridge Apartments, located in Buford, Gwinnett County, Georgia

Dear Mr. Delk:

At your request, Novogradac & Company LLP has performed a study of the multifamily rental market in the Buford, Gwinnett County, Georgia area relative to the above-referenced Low-Income Housing Tax Credit (LIHTC) project. We have also completed two HUD MAP market studies for this property dated November 12, 2017 and October 28, 2018, as well as an application market study dated November 12, 2017.

The purpose of this market study is for use in application submittal to the Georgia DCA in order to receive low income housing tax credits. Ivy Ridge Apartments (Subject) will be a newly constructed affordable LIHTC project, with 256 revenue generating units, all restricted to households earning 60 percent of the Area Median Income (AMI) or less. The following report provides support for the findings of the study and outlines the sources of information and the methodologies used to arrive at these conclusions.

The scope of this report meets the requirements of Georgia Department of Community Affairs (DCA), including the following:

- Inspecting the site of the proposed Subject and the general location.
- Analyzing appropriateness of the proposed unit mix, rent levels, available amenities and site.
- Estimating market rent, absorption and stabilized occupancy level for the market area.
- Investigating the health and conditions of the multifamily market.
- Calculating income bands, given the proposed Subject rents.
- Estimating the number of income eligible households.
- Reviewing relevant public records and contacting appropriate public agencies.
- Analyzing the economic and social conditions in the market area in relation to the proposed project.
- Establishing the Subject Primary and Secondary Market Area(s) if applicable.
- Surveying competing projects, Low-Income Housing Tax Credit (LIHTC) and market rate.

Novogradac & Company LLP adheres to the market study guidelines promulgated by the National Council of Housing Market Analysts (NCHMA). The NCHMA certification and checklist can be found in the Addenda of this report. Please refer to the checklist to find the sections in which content is located.

This report contains, to the fullest extent possible and practical, explanations of the data, reasoning, and analyses that were used to develop the opinions contained herein. The report also includes a thorough analysis of the scope of the study, regional and local demographic and economic studies, and market analyses including conclusions. The depth of discussion contained in the report is specific to the needs of

OFFICE

MR. BRANDON DELK PEDCOR INVESTMENTS, A LIMITED LIABILITY COMPANY NOVEMBER 21, 2018 PAGE 2

the client. Information included in this report is accurate and the report can be relied upon by DCA as a true assessment of the low-income housing rental market. This report was completed in accordance with DCA market study guidelines. We inform the reader that other users of this document may underwrite the LIHTC rents to a different standard than contained in this report.

The Stated Purpose of this assignment is to provide a market study for use in application submittal to the Georgia DCA in order to receive low income housing tax credits. You agree not to use the Report other than for the Stated Purpose, and you agree to indemnify us for any claims, damages or losses that we may incur as the result of your use of the Report for other than the Stated Purpose. Without limiting the general applicability of this paragraph, under no circumstances may the Report be used in advertisements, solicitations and/or any form of securities offering.

The authors of this report certify that we are not part of the development team, owner of the Subject property, general contractor, nor are we affiliated with any member of the development team engaged in the development of the Subject property or the development's partners or intended partners. Please do not hesitate to contact us if there are any questions regarding the report or if Novogradac & Company LLP can be of further assistance. It has been our pleasure to assist you with this project.

Respectfully submitted, Novogradac & Company LLP

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### Addendum

- A. Assumptions and Limiting Conditions
- B. Subject and Neighborhood Photographs
  C. Qualifications
- D. Summary Matrix
- E. Subject Floor Plans



### **EXECUTIVE SUMMARY**

### 1. Project Description

Ivy Ridge Apartments (Subject) will be a 256-unit newly constructed family LIHTC rental property located in Buford, Gwinnett County, Georgia, which will consist of 10 two, three, and four-story, residential buildings.

The following table illustrates the proposed unit mix.

### PROPOSED RENTS

Unit Type	Unit Size (SF)	Number of Units	Asking Rent	Utility Allowance (1)	Gross Rent	2018 LIHTC Maximum Allowable Gross Rent	HUD Fair Market Rents
				60% AMI			_
1BR	754	12	\$782	\$60	\$842	\$842	\$858
1BR	770	100	\$782	\$60	\$842	\$842	\$858
2BR	1,076	128	\$934	\$77	\$1,011	\$1,011	\$990
3BR	1,226	8	\$1,069	\$98	\$1,167	\$1,167	\$1,299
3BR	1,247	<u>8</u>	\$1,069	\$98	\$1,167	\$1,167	\$1,299
Total		256					

Notes (1) Source of Utility Allowance provided by the Developer.

The proposed rents for the Subject's units at 60 percent AMI are set at the maximum allowable rents. The Subject's amenity package is considered to be comparable to the existing housing supply in the market.

### 2. Site Description/Evaluation

The Subject site is located on the south side of Laurel Crossing Parkway NE. The Subject site has good visibility and accessibility from Laurel Crossing Parkway NE. The Subject site is currently vacant, wooded land. Surrounding land uses consist primarily of retail/commercial uses, single-family housing, multifamily housing, and places of worship. Based on our inspection of the neighborhood, retail appeared to be 95 percent occupied. The Subject site is considered "Car-Dependent" by Walkscore with a rating of 9 out of 100. Crime risk indices in the Subject's area are considered low. The Subject site is considered a desirable building site for rental *housing*. The Subject is located in a mixed-use neighborhood. The uses surrounding the site are in average to good condition, and it has good proximity to locational amenities, which are within 2.2 miles.

### 3. Market Area Definition

The PMA is defined by the Chattahoochee River National Recreation Area, Lake Lanier, and Gwinnett County border to the north; the Gwinnett County border, Highway 29, and Highway 316 to the east; Highway 316 and Duluth Highway NW to the south; and Peachtree Industrial Boulevard NW and the Chattahoochee River to the west. This area includes the city of Buford as well as portions of the communities of Johns Creek, Duluth, Lawrenceville, and Dacula. The distances from the Subject to the farthest boundaries of the PMA in each direction are listed as follows:

North: 9 miles East: 9 miles South: 7 miles West: 10 miles

The PMA was defined based on interviews with the local housing authority, property managers at comparable properties, and the Subject's property manager. Many property managers indicated that a



significant portion of their tenants come from Buford and other cities throughout Gwinnett County. While we do believe the Subject will experience leakage from outside the PMA boundaries, per the 2017 DCA market study guidelines, we have not accounted for leakage in our demand analysis found later in this report. The farthest PMA boundary from the Subject is approximately ten miles.

### 4. Community Demographic Data

The population and household annual growth rate in the PMA exceeded that of both the MSA and nation as a whole between 2010 and 2017. Over the next five years, this trend in annual population and household growth rate is expected to continue. The Subject will target households earning between \$28,869 and \$48,480. Approximately 37.8 percent of renter households in the PMA are earning incomes between \$20,000 and \$49,999, which is greater than the 37.1 percent of renter households in the MSA in 2017. For the projected market entry date of April 2021, these percentages are projected to slightly decrease to 36.5 percent in the PMA and 35.9 percent in the MSA. Overall, the PMA has demonstrated that it is an area of population and household growth. As the PMA continues to grow, the need for affordable housing is also expected to increase. This population and household growth bodes well for the Subject's proposed units.

### 5. Economic Data

Employment in the PMA is greatest in the trade, transportation, and utilities sector, followed by professional and business services and leisure and hospitality. These industries are particularly vulnerable in economic downturns and are historically volatile industries, with the exception of utilities.

Total employment in the MSA has increased every year since 2003 with the exception of 2008 through 2010 during the most recent national recession. While the MSA experienced a 6.9 percent decline in employment during between 2008 and 2010, which was greater than the nation over the same period, the MSA has experienced growth each year since. Furthermore, the MSA surpassed its pre-recessionary employment levels in 2014, the same year as the nation, and has continued to increase steadily. Trends in historical unemployment data generally mirrors employment; after 2009 at the peak of the recession, unemployment in the MSA has decreased six of the past eight years. Between August 2017 and August 2018, total employment increased 2.8 percent, compared to the national growth rate of 1.3 percent during the same time period. Overall, the local economy has fully recovered from the national recession and has entered into an expansionary phase which is a positive indicator of demand for rental housing and, therefore, the Subject's proposed units.

### 6. Project-Specific Affordability and Demand Analysis

The following table illustrates the demand and capture rates for the Subject's proposed units.

### Minimum Maximum Units **Total** Net Capture **Proposed Unit Type** Supply **Proposed** Demand Demand Rate Income Income Rents 1BR @60% \$28,869 \$35,940 112 676 676 0 16.6% \$782 2BR @60% \$34,663 \$40,440 128 811 0 811 15.8% \$934 3BR @60% \$40,011 \$48,480 16 642 0 642 2.5% \$1,069 256 @60% Overall \$28,869 \$48,480 2,129 0 2,129 12.0%

### **CAPTURE RATE ANALYSIS CHART**

We believe these calculated capture rates are reasonable, particularly as these calculations do not consider demand from outside the PMA or standard rental household turnover.



### 7. Competitive Rental Analysis

Comparable properties are examined on the basis of physical characteristics, i.e. building type, age/quality, level of common amenities, absorption, as well as similarity in rent. We attempted to compare the Subject to complexes from the competing market to provide a broader picture of the health and available supply in the market. Our competitive survey includes 12 "true" comparable properties containing 3,380 units. A detailed matrix describing the individual competitive properties as well as the proposed Subject is provided on the following pages. A map illustrating the location of the Subject in relation to comparable properties is also provided on the following pages. The properties are further profiled in the following write-ups. The property descriptions include information on vacancy, turnover, absorption, age, competition, and the general health of the rental market, when available.

The availability of affordable data is considered good and the availability of market rate data is considered good. All of the comparables are located within 7.2 miles of the Subject, with eight located within the PMA. Six of the comparable properties are located within 1.4 miles of the Subject site. We have utilized a total of six nonsubsidized LIHTC family developments located within and just outside of the PMA as comparables, as they represent properties we consider most similar overall in terms of condition, location, and unit mix to the Subject. We also included six comparable market rate properties, all of which are located in the PMA, that offer unit types similar to the proposed Subject. Overall, we believe the availability of data is adequate to support our conclusions.

The overall average and the maximum and minimum adjusted rents for the comparable properties surveyed are illustrated in the table below in comparison with net rents for the Subject.

SUBJECT COMPARISON TO MARKET RENTS
------------------------------------

Unit Type	Subject Proposed Rent	Surveyed Min	Surveyed Max	Surveyed Average	Subject Rent Advantage
1BR @ 60% AMI	\$782	\$780	\$1,394	\$1,055	35%
2BR @ 60% AMI	\$934	\$927	\$2,226	\$1,321	41%
3BR @ 60% AMI	\$1,069	\$1,065	\$1,844	\$1,308	22%

As illustrated the Subject's proposed 60 percent rents are well below the surveyed average when compared to the comparables, both LIHTC and market-rate.

We have placed greatest weight upon the market rate rents at Summer Park Apartments and The Terraces at Suwanee Gateway, which are the most comparable to the Subject in our determination of achievable market rents for the Subject.

Summer Park Apartments was constructed in 2001 and exhibits average condition, which is considered inferior to the anticipated excellent condition of the Subject upon completion. This property is located adjacent to the Subject and offers a similar location. Summer Park Apartments offers similar unit amenities to those of the proposed Subject, but offers slightly inferior property amenities as it does not offer carport or garage parking and does not offer a recreation area, all of which the Subject will offer. However, this property offers superior unit sizes in comparison to those of the proposed Subject. Overall, Summer Park Apartments is considered slightly inferior to the proposed Subject. Summer Park Apartments reports current occupancy of 98.0 percent. The lowest one, two and three-bedroom rents at Summer Park Apartments are approximately 33, 37, and 36 percent higher than the Subject's proposed rents at 60 percent of the AMI. Overall, we believe that the Subject's proposed rents are achievable in the market and will offer an advantage to the rents being achieved at comparable properties.



### 8. Absorption/Stabilization Estimate

We were able to obtain absorption data from one of the comparables. However, this data was dated and has been excluded from our analysis. Therefore, we expanded our search for recent absorption data in Gwinnett County and neighboring DeKalb County. Our absorption comparables are presented following.

### **ABSORPTION**

Property Name	Occupancy Type	Year Built	Number of	Units Absorbed/
Property Name	Occupancy Type	rear built	Units	Month
1760 Apartment Homes	Market	2016	239	17
The Point on Scott	Market	2016	250	13
The Reserve at Decatur	Market	2016	298	14
Columbia Mill	LIHTC	2014	100	20
Retreat at Edgewood Phase II	LIHTC	2012	40	12
Retreat at Edgewood	LIHTC	2011	100	20
Average			224	16

Per DCA guidelines, we have calculated the absorption to 93 percent occupancy. 1760 Apartment Homes is a market-rate family development located 7.6 miles south of the Subject site in Lawrenceville. This property opened in 2016 and experienced an absorption rate of 17 units per month. The Point on Scott is a market-rate family development located 25 miles southwest of the Subject site in Scottdale. This property opened in 2016 and experienced an absorption rate of 13 units per month. The Reserve at Decatur is a market-rate family development located 25 miles southwest in Scottdale. This property opened in 2016 and experienced an absorption rate of 14 units per month. Columbia Mill is a LIHTC family property located 30 miles southwest of the Subject in Atlanta. This property opened in 2014 and experienced an absorption pace of 20 units per month. Retreat at Edgewood Phase I and Phase II are located 28 miles southwest of the Subject in Atlanta. These properties opened in 2011 and 2012, respectively, and experienced respective absorption rates of 20 and 12 units per month. Additional absorption data from recently-constructed LIHTC properties in Gwinnett County was not available. The properties reporting absorption data experienced an average absorption pace of 16 units per month. It should be noted that property size does not appear to aid or harm unit absorption.

The most recently constructed LIHTC property, Columbia Mill, experienced an absorption pace of 20 units per month. This property reports occupancy of 97 percent and maintains a waiting list. Based on the performance of this LIHTC development, we estimate the Subject would reach a stabilized occupancy of 93 percent within 12 to 13 months of the development's completion, which equates to a pace of approximately 20 units per month. This estimate assumes that the Subject will be properly marketed and that pre-leasing begins within two to three months prior to completion of construction.

### 9. Overall Conclusion

Based upon our market research, demographic calculations and analysis, we believe there is adequate demand for the Subject property as proposed. The LIHTC comparables are experiencing a weighted average vacancy rate of 0.9 percent, which is considered low. Furthermore, four of the LIHTC comparables maintain extensive waiting lists. These factors indicate demand for affordable housing. Overall, we believe that the proposed amenities will allow the Subject to effectively compete in the family LIHTC market. As new construction, the Subject will be in excellent condition upon completion and will be considered slightly superior to superior in terms of condition to the majority of the comparable properties. The Subject's proposed unit sizes will be competitive with the comparable properties. In general, the Subject will be slightly inferior to superior to the comparable properties. Given the Subject's anticipated superior condition relative to the comparable properties, we believe that the Subject is feasible as proposed. We believe that it will fill a void in the market and will perform well.



					Su	mmary	Tab <u>le:</u>						
Development	Name:	Ivy Ridge				· ·						Total #	# Units: 256
Location:		1525 Laurel	Crossing Pa	arkway NE Buford, G	A 30519	)						# LIHTC U	nits: 256
		Namble Chatt	ahaaahaa D	iver National Descrip	±: a. a. A. u. a.			a Cusina at		nto bandan Cautha	. I li elaa.	240 and 0	udusta Historia
PMA Boundar	y:			iver National Recrea nty border, Highway :			West: Peac	htree Indu	strial	•	d the Cha		
								irtilest bou	iiuaiy	y Distance to Subj	ect.		TO TIMES
						ng Stock (f	ound on pa	ge 61)					
	Туре	)		# Properties	S*		Total Uni	s	Vaca	ant Units	Д	verage Occ	cupancy
A	II Rental H	lousing		23			7,361			164		97.99	6
	arket-Rate			18			6,626			164		97.59	6
Assisted/S	include L	l Housing not t IHTC	TO	2			60			0		100.0	%
	LIHT	C		3			675			0		100.0	%
5	Stabilized (	Comps		23			7,361		:	164		97.99	6
Properties i	in Constru	ction & Lease	Up	9			2,180 N/Ap		N/Ap	N/Ap		)	
*Only include	s properti												
		Sub	ject Develo	pment	Average Market Rent*				larket Rent*	Highest Unadjusted Co Rent			
# Units	# B	edrooms	# Baths	Size (SF)		Proposed nant Rent	Per Unit	r Unit Per SF Adva		Advanta	age	Per Unit	Per SF
12	1BR a	at 60% AMI	1	754		\$782	\$1,055	\$1	.40	35%	,	\$1,394	\$1.73
100	1BR a	at 60% AMI	1	770		\$782	\$1,055	\$1	.37	35%	)	\$1,394	\$1.73
128	2BR a	at 60% AMI	2	1,076		\$934	\$1,321	\$1	.23	41%	)	\$2,226	\$2.10
8	3BR a	at 60% AMI	2	1,226		\$1,069	\$1,308	\$1	.07	22%	22% \$1,3		\$0.92
8	3BR a	at 60% AMI	2	1,247	_	\$1,069	\$1,308	\$1	.05	22%	22% \$1,3		\$0.92
				Den	nograph 2010	ic Data (fo	und on pa	ge 28)	2017	7	ĺ	A muil C	0004
Renter House	holds			15,443		19.49	2/ 2/	L,786	2017	16.7%	23.18	April 2	15.5%
Income-Qualif		r HHs (LIHTC)		5.449		35.39		.688		35.3%	5.523	_	23.8%
		()	Targe	ted Income-Qualifie				,	page		0,020	,	23.070
		Type of Den	nand		30%		50%	60%	Ť	Market-rate	Ot	her:	Overall*
Renter House	hold Grow	/th			-		-	164		-		-	164
Existing Hous	eholds (O	verburdened +	Substanda	rd)	-		-	1,965		-		-	1,965
Homeowner conversion (Seniors)					-		-	0		-		-	0
Total Primary Market Demand					-		-	2,129		-		-	2,129
		petitive Supply			-		-	0		-		-	0
Adjusted Inco	me-qualif	ied Renter HH	s**		-		-	2,129		-		-	2,129
		Targeted Po	pulation		3	30%	50%	60%	, n	Market-rate	,	Other:	Overall
			<u> </u>		+					arroc rate			
		Capture	Rate:			-	-	12.0	%	-		-	12.0%

<sup>\*</sup>Includes LIHTC and unrestricted (when applicable)



 $<sup>{\</sup>tt **Not \ adjusted \ for \ demand \ by \ bedroom-type.}$ 



### **PROJECT DESCRIPTION**

1. Project Address and The Subject site is located at 1525 Laurel Crossing Parkway in **Development Location:** 

Buford, Gwinnett County, Georgia 30519. The Subject site is

currently vacant, wooded land.

2. Construction Type: The Subject will consist of 10 two, three, and four-story residential

buildings. The Subject will be new construction.

3. Occupancy Type: Families.

4. Special Population Target: None.

5. Number of Units by Bedroom

Type and AMI Level:

See following property profile.

6. Unit Size, Number of Bedrooms

and Structure Type:

See following property profile.

7. Rents and Utility Allowances: See following property profile.

8. Existing or Proposed Project-**Based Rental Assistance:** 

See following property profile.

9. Proposed Development

Amenities:

See following property profile.



					Ivy Rid	ge						
Location			1525 La	urel Crossir	ng Parkway			377	1		1.00	
						W/J						
			Buford, 0	GA 30519					dia e			
			Gwinnett	County								
			Intersect	ion: Buford	Drive		200					
Jnits			256								1	
Гуре			Garden									
			(4 stories	s)				A PROPERTY.				
rear Built / Re	enovated		Proposed	12021			\$70 B (11 40)		State State St	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW		
					Marke	et						
Program	D-4-		@60%				Leasing Pace		n/a			
Annual Turnov	ver Rate		n/a				Change in Re	ent (Past	n/a			
Units/Month A	Ahearhed		n/a				Year) Concession		n/a			
Section 8 Ten			n/a				Concession		II/ a			
occion o ron	unto		11/ 4		Utilitie	es						
A/C			not inclu	ded centr			Other Electric	;		not include	ed	
ooking			not inclu	ded – elect	ric		Water			included		
<b>Nater Heat</b>			not inclu	ded – elect	ric		Sewer			included		
leat			not inclu	ded – elect			Trash Collect	ion		included	ncluded	
		_			Jnit Mix (fa							
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession	Restriction	Waiting	Vacant	Vacancy	Max	
						(monthly)		List		Rate	rent	
1	1	Garden	12	754	\$782	\$0	@60%	n/a	N/A	N/A	yes	
4		(4 stories)	400	770	4700	40	0000/	,	N1 / A	N1 / A		
1	1	Garden	100	770	\$782	\$0	@60%	n/a	N/A	N/A	yes	
0	0	(4 stories)	400	4.070	<b></b>	40	@C00/	/	N1 / A	NI /A		
2	2	Garden	128	1,076	\$934	\$0	@60%	n/a	N/A	N/A	yes	
2	0	(4 stories)	0	4 000	<b>\$4.000</b>	40	@C00/	/	NI /A	NI /A		
3	2	Garden	8	1,226	\$1,069	\$0	@60%	n/a	N/A	N/A	yes	
2	2	(4 stories)		1 0 4 7	¢1.000	Φ0	@600/	2/2	NI /A	NI /A		
3	2	Garden (4 stories)	8	1,247	\$1,069	\$0	@60%	n/a	N/A	N/A	yes	
		(4 Stones)			Amenit	ies						
n-Unit		Balcony/Patio Security				Limited Access						
		Blinds										
		Carpeting										
		Central A/C										
		Coat Closet										
		Dishwasher										
		Exterior Stora	age									
		Garbage Disp	osal									
		Microwave										
		Oven										
		Refrigerator										
		Walk-In Close	et									
		Washer/Drye	r hookup									
Property		Parking space	es: 418			Premium		none				
		Business Cer		puter Lab								
		Carport (fee:	,	•								
		Clubhouse/N	,									
		Room/Comm	_	om								
		Exercise Fac	-									
		Garage (fee:	,									
		Central Laun										
		Off-Street Pa	-									
		On-Site Mana	_									
		Picnic Area										
		Playground										
		Recreation A	reas									
		Swimming Po										
		J										

Construction on this property is expected to begin March 2019 and to be completed by April 2021. Utility allowances are \$60, \$77, and \$98 for one, two, and three-bedroom units, respectively. The property will also include 48 carport parking spaces offered at \$30 per month and 24 garage parking spaces for \$50 per month.



**10. Scope of Renovations:** The Subject will be new construction.

11. Placed in Service Date: Construction on the Subject is expected to be completed in April

2021.

Conclusion: The Subject will be an excellent-quality garden style apartment

complex, comparable or superior to most of the inventory in the area. As new construction, the Subject will not suffer from deferred maintenance, functional obsolescence, or physical obsolescence.



**1. Date of Site Visit and Name of** Brian Neukam visited the site on October 28, 2018. **Inspector:** 

**2. Physical Features of the Site:** The following illustrates the physical features of the site.

Frontage: The Subject site has frontage along the south side of Laurel

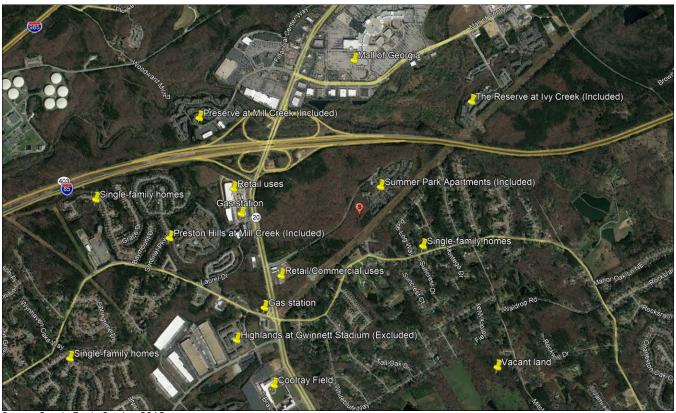
Crossing Parkway NE.

Visibility/Views: The Subject will be located along the south side of Laurel Crossing

Parkway NE, just south of Interstate 85 in the northern portion of Gwinnett County, Georgia. Visibility and views from the site will be good and initially will include vacant, wooded land to the north, south, and west, and Summer Park Apartments, which has been

utilized as a comparable property in our analysis, to the east.

**Surrounding Uses:** The following map illustrates the surrounding land uses.



Source: Google Earth, October 2018.

The Subject site is located on the south side of Laurel Crossing Parkway NE. Surrounding land uses consist primarily of retail/commercial uses, single-family housing, multifamily housing, and places of worship. Directly north of the Subject site, across Laurel Crossing Parkway NE, is vacant, wooded land followed by Interstate 85. Further north, across Interstate 85, are a variety of retail/commercial uses as well as the Mall of Georgia. Directly east of the Subject site is Summer Park Apartments, which has been

used as a comparable property for the purposes of this report. Located further east is primarily vacant, wooded land and singlefamily homes. Directly south of the Subject site is vacant, wooded land as well as an industrial use. Located further south are singlefamily homes. Located west of the Subject site, on the corner of Laurel Crossing Parkway NE and Buford Drive NE, are a number of retail/commercial uses. Further west, across Buford Drive NE, are retail/commercial uses along Buford Drive NE, single-family homes, and Preston Hills at Mill Creek Apartments, which has been used as a comparable property for the purposes of this report. Retail and commercial uses in the Subject's area appear to be approximately 95 percent occupied. The Subject site is considered "Car-Dependent" by Walkscore with a rating of 9 out of 100. The Subject site is considered a desirable building site for rental housing. The Subject site is located in a mixed-use neighborhood. The uses surrounding the Subject are in average to good condition. The uses surrounding the Subject are in good condition and the site has good proximity to locational amenities, most of which are within 2.2 miles of the Subject site.

Positive/Negative Attributes of Site:

The Subject's proximity to retail and other locational amenities as well as its surrounding uses, which are in good condition, are considered positive attributes.

3. Physical Proximity to Locational Amenities:

The Subject is located within 2.2 miles of most locational amenities.

4. Pictures of Site and Adjacent Uses:

The following are pictures of the Subject site and adjacent uses.



Subject site east from Laurel Crossing Parkway



Subject site east from Laurel Crossing Parkway



View north Laurel Crossing Parkway



View south on Laurel Crossing Parkway



Commercial use in the Subject's neighborhood



Gas station in the Subject's neighborhood



Retail and commercial uses in the Subject's neighborhood



Retail and commercial uses in the Subject's neighborhood



Retail and commercial uses in the Subject's neighborhood



Retail and commercial uses in the Subject's neighborhood



Commercial use in the Subject's neighborhood



Commercial use in the Subject's neighborhood



Grocery store in the Subject's neighborhood



Pharmacy in the Subject's neighborhood



Single-family home in the Subject's neighborhood



Single-family home in the Subject's neighborhood



Single-family home in the Subject's neighborhood



Single-family home in the Subject's neighborhood

### 5. Proximity to Locational Amenities:

The following table details the Subject's distance from key locational amenities.



Source: Google Earth, November 2017.



### **LOCATIONAL AMENITIES**

Number	Service or Amenity	Distance from Subject
1	QuikTrip Gas Station	0.9 miles
2	Culver's Restaurant	0.9 miles
3	Walgreens Pharmacy	1.7 miles
4	Publix Super Market	1.8 miles
5	Rock Springs Elementary School	1.8 miles
6	Costco Wholesale	1.9 miles
7	Bank of America	1.9 miles
8	Subway Restaurant	2.0 miles
9	Ross Dress for Less	2.0 miles
10	Mall of Georgia	2.2 miles
11	Johns Creek Hospital	8.6 miles

### 6. Description of Land Uses

The Subject site is located on the south side of Laurel Crossing Parkway NE. Surrounding land uses consist primarily of retail/commercial uses, single-family housing, multifamily housing, and places of worship. Directly north of the Subject site, across Laurel Crossing Parkway NE, is vacant, wooded land followed by Interstate 85. Further north, across Interstate 85, are a variety of retail/commercial uses as well as the Mall of Georgia. Directly east of the Subject site is Summer Park Apartments, which has been used as a comparable property for the purposes of this report. Located further east is primarily vacant, wooded land and singlefamily homes. Directly south of the Subject site is vacant, wooded land as well as a number of places of worship and an industrial use. Located further south are single-family homes. Located west of the Subject site, on the corner of Laurel Crossing Parkway NE and Buford Drive NE, are a number of retail/commercial uses. Further west, across Buford Drive NE, are retail/commercial uses along Buford Drive NE, single-family homes, and Preston Hills at Mill Creek Apartments, which has been used as a comparable property for the purposes of this report. Retail and commercial uses in the Subject's area appear to be approximately 95 percent occupied. The Subject site is considered "Car-Dependent" by Walkscore with a rating of 9 out of 100. The Subject site is considered a desirable building site for rental housing. The Subject site is located in a mixed-use neighborhood. The uses surrounding the Subject are in average to good condition. The uses surrounding the Subject are in average to good condition and the site has good proximity to locational amenities, most of which are within 2.2 miles of the Subject site.

### 7. Crime:

The following table illustrates crime statistics in the Subject's PMA compared to the Atlanta-Sandy Springs-Roswell, GA MSA.

### **2017 CRIME INDICES**

	PMA	Atlanta-Sandy Springs- Roswell, GA MSA
Total Crime*	77	139
Personal Crime*	37	130
Murder	37	155
Rape	36	88
Robbery	52	163
Assault	29	118
Property Crime*	82	140
Burglary	76	147
Larceny	82	134
Motor Vehicle Theft	99	178

Source: Esri Demographics 2017, Novogradac & Company LLP, October 2018

For comparison purposes, a crime index below 100 is below the national average, and a crime index above 100 is above the nation's crime index average. As indicated in the table above, all crime indices in the PMA are below that of the MSA and that of the



<sup>\*</sup>Unweighted aggregations

nation. The Subject will offer limited access as a security feature, which is slightly superior to similar to the majority of the comparable properties. One of the LIHTC comparables, The View At Sugarloaf, does not offer security features. This comparables is currently 97.7 percent occupied. Thus, the Subject's security features appear to be market-oriented.

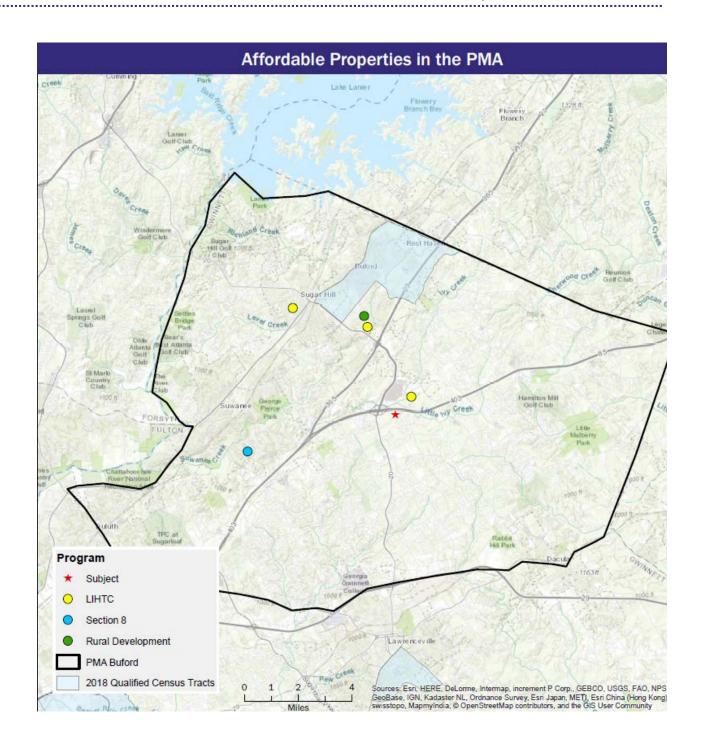
8. Existing Assisted Rental Housing Property Map:

The following map and list identifies all assisted rental housing properties in the PMA.

### AFFORDABLE PROPERTIES IN THE PMA

Property Name	Program	Location	Tenancy	# of	Distance from Subject	Мар
r roperty rearrie	110814111	Location	Teriandy	Units	Distance from Subject	Color
Ivy Ridge	LIHTC	Buford	Family	256	-	Star
Huntington Court	LIHTC, Market, Non-Rental	Buford	Senior	152	2.9 miles	
Plantation Ridge	LIHTC, Market	Sugar Hill	Family	218	4.5 miles	
Reserve At Ivy Creek	LIHTC, Market	Buford	Family	305	0.8 miles	
Annandale Apartments, Inc.	Section 8	Suwanee	Family	12	4.6 miles	
Winbridge Apartments	Rural Development	Buford	Family	48	3.0 miles	





- 9. Road, Infrastructure or Proposed Improvements:
- We did not witness any road, infrastructure or proposed improvements during our field work.
- 10. Access, Ingress-Egress and Visibility of Site:

The site is accessible from Laurel Crossing Parkway NE. Laurel Crossing provides access to Highway 20 just west of the Subject site. Highway 20 is a heavily trafficked arterial route that provides access to Interstate 85 just north of the Subject site and Highway 316 approximately six miles south of the Subject site. Interstate 85

provides access to Atlanta approximately 35 miles south of the Subject site and to Greenville, South Carolina approximately 113 miles northeast of the Subject site. Highway 316 provides access to Athens, Georgia approximately 45 miles east of the Subject site. Overall, access/ traffic flow and visibility are considered good.

### 11. Conclusion:

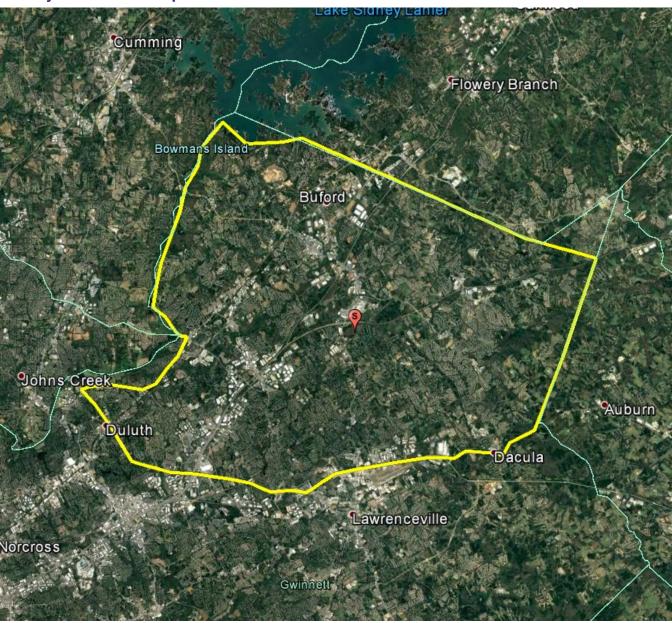
The Subject site is located on the south side of Laurel Crossing Parkway NE. The Subject site has good visibility and accessibility from Laurel Crossing Parkway NE. The Subject site is currently vacant, wooded land. Surrounding land uses consist primarily of retail/commercial uses, single-family housing, multifamily housing, and places of worship. Based on our inspection of the neighborhood, retail appeared to be 95 percent occupied. The Subject site is considered "Car-Dependent" by Walkscore with a rating of 9 out of 100. Crime risk indices in the Subject's area are considered low. The Subject site is considered a desirable building site for rental housing. The Subject is located in a mixed-use neighborhood. The uses surrounding the Subject are in average to good condition and the site has good proximity to locational amenities, most of which are within 2.2 miles of the Subject site.



### **PRIMARY MARKET AREA**

For the purpose of this study, it is necessary to define the market area, or the area from which potential tenants for the project are likely to be drawn. In some areas, residents are very much "neighborhood oriented" and are generally very reluctant to move from the area where they have grown up. In other areas, residents are much more mobile and will relocate to a completely new area, especially if there is an attraction such as affordable housing at below market rents.

### **Primary Market Area Map**



Source: Google Earth, November 2017.

The following sections will provide an analysis of the demographic characteristics within the market area. Data such as population, households and growth patterns will be studied, to determine if the Primary Market Area (PMA) and the Atlanta-Sandy Springs-Roswell, GA MSA are areas of growth or contraction.

The PMA is defined by the Chattahoochee River National Recreation Area, Lake Lanier, and Gwinnett County border to the north; the Gwinnett County border, Highway 29, and Highway 316 to the east; Highway 316 and Duluth Highway NW to the south; and Peachtree Industrial Boulevard NW and the Chattahoochee River to the west. This area includes the city of Buford as well as portions of the communities of Johns Creek, Duluth, Lawrenceville, and Dacula. The distances from the Subject to the farthest boundaries of the PMA in each direction are listed as follows:

North: 9 miles East: 9 miles South: 7 miles West: 10 miles

The PMA was defined based on interviews with the local housing authority, property managers at comparable properties, and the Subject's property manager. Many property managers indicated that a significant portion of their tenants come from Buford and other cities throughout Gwinnett County. While we do believe the Subject will experience leakage from outside the PMA boundaries, per the 2017 DCA market study guidelines, we have not accounted for leakage in our demand analysis found later in this report. The farthest PMA boundary from the Subject is approximately ten miles. The SMA is defined as the Atlanta-Sandy Springs-Roswell, GA Metropolitan Statistical Area (MSA), which consists of 29 counties in northwest Georgia and encompasses 8,726 square miles.



## E. COMMUNITY DEMOGRAPHIC DATA

### **COMMUNITY DEMOGRAPHIC DATA**

The following sections will provide an analysis of the demographic characteristics within the market area. Data such as population, households and growth patterns will be studied to determine if the Primary Market Area (PMA) and Gwinnett County are areas of growth or contraction. The discussions will also describe typical household size and will provide a picture of the health of the community and the economy. The following demographic tables are specific to the populations of the PMA and Gwinnett County.

### **1. Population Trends**

The following tables illustrate (a) Total Population, and (b) Population by Age Group within the population in the MSA, the PMA and nationally from 2000 through 2022.

### 1a. Total Population

The following table illustrates the total population within the PMA, SMA and nation from 2000 through 2022.

### **POPULATION**

Year	PMA		Atlanta-San Roswell,		USA		
	Number	Annual	Number	Annual	Number	Annual	
2000	146,160	-	4,261,895	-	281,038,168	-	
2010	245,190	6.8%	5,286,728	2.4%	308,745,538	1.0%	
2017	284,681	2.2%	5,806,085	1.4%	327,514,334	0.8%	
Projected Mkt Entry April 2021	306,478	2.0%	6,120,904	1.4%	337,871,279	0.8%	
2022	313,743	2.0%	6,225,843	1.4%	341,323,594	0.8%	

Source: Esri Demographics 2017, Novogradac & Company LLP, November 2018

Between 2010 and 2017, the PMA experienced population growth at a faster rate than both the MSA and the nation as a whole. Over the next five years, this trend is expected to continue. Overall, we believe that population growth in the PMA and SMA is a positive indication of demand for the Subject's proposed units.

### **1b. Total Population by Age Group**

The following table illustrates the total population within the PMA and SMA and nation from 2000 to 2022.

**POPULATION BY AGE GROUP** 

		PMA			
				Projected Mkt	
Age Cohort	2000	2010	2017	Entry April	2022
				2021	
0-4	13,001	16,630	17,991	19,443	19,927
5-9	13,345	20,723	20,483	20,987	21,155
10-14	12,080	22,063	22,649	22,934	23,029
15-19	9,447	19,320	20,459	21,351	21,648
20-24	6,502	12,601	17,416	16,890	16,715
25-29	9,752	13,633	19,411	20,745	21,190
30-34	14,190	15,837	19,026	24,254	25,997
35-39	17,375	20,518	20,181	23,178	24,177
40-44	15,120	22,776	21,775	22,427	22,644
45-49	11,155	22,966	22,771	21,849	21,542
50-54	8,358	18,436	22,346	22,006	21,893
55-59	5,350	13,266	19,568	20,480	20,784
60-64	3,328	9,653	14,541	17,358	18,297
65-69	2,559	6,338	10,731	12,878	13,594
70-74	1,865	4,078	6,857	8,952	9,650
75-79	1,301	2,926	4,051	5,493	5,973
80-84	816	1,861	2,372	2,908	3,086
85+	614	1,565	2,052	2,344	2,441
Total	146,158	245,190	284,680	306,477	313,742

Source: Esri Demographics 2017, Novogradac & Company LLP, November 2018

### **POPULATION BY AGE GROUP**

	Atlanta-Sandy Springs-Roswell, GA MSA							
	Projected Mkt							
Age Cohort	2000	2010	2017	Entry April	2022			
				2021				
0-4	318,718	380,735	382,417	399,575	405,294			
5-9	325,853	394,306	398,154	405,905	408,489			
10-14	314,167	390,992	407,204	420,399	424,797			
15-19	290,064	378,372	387,034	404,830	410,762			
20-24	289,487	341,650	393,916	390,915	389,915			
25-29	363,934	377,057	430,213	445,284	450,307			
30-34	382,069	386,120	415,433	463,443	479,446			
35-39	396,706	417,987	412,829	440,164	449,275			
40-44	359,953	415,233	407,422	420,471	424,821			
45-49	307,240	411,635	410,074	401,787	399,024			
50-54	267,442	364,330	402,418	403,979	404,499			
55-59	186,716	301,331	372,815	383,005	386,402			
60-64	131,017	252,453	313,388	346,345	357,331			
65-69	101,827	170,690	258,144	286,112	295,435			
70-74	82,788	114,130	176,190	217,360	231,083			
75-79	65,285	81,144	108,020	141,367	152,482			
80-84	42,347	57,082	66,278	79,996	84,568			
85+	36,257	51,481	64,136	69,969	71,913			
Total	4,261,870	5,286,728	5,806,085	6,120,904	6,225,843			

Source: Esri Demographics 2017, Novogradac & Company LLP, November 2018

The largest age cohorts in the PMA are between 45 and 49 and 10 and 14, which indicates the presence of families.

### 2. Household Trends

The following tables illustrate (a) Total Households and Average Household Size, (b) Household Tenure, (c) Households by Income, and (d) Renter Households by Size within the population in the MSA, the PMA and nationally from 2000 through 2017.

### 2a. Total Number of Households and Average Household Size

The following tables illustrate the total number of households and average household size within the PMA, SMA and nation from 2000 through 2022.

### **HOUSEHOLDS**

Year	РМА		Atlanta-Sandy Springs- Roswell, GA MSA		USA	
	Number	Annual	Number	Annual	Number	Annual
2000	47,697	-	1,559,137	-	105,403,008	-
2010	79,610	6.7%	1,943,881	2.5%	116,716,293	1.1%
2017	92,654	2.3%	2,130,151	1.3%	123,158,898	0.8%
Projected Mkt Entry April 2021	99,341	1.9%	2,235,057	1.3%	126,400,698	0.7%
2022	101,570	1.9%	2,270,026	1.3%	127,481,298	0.7%

Source: Esri Demographics 2017, Novogradac & Company LLP, November 2018



### **AVERAGE HOUSEHOLD SIZE**

Year	PMA		Atlanta-Sandy Springs- Roswell, GA MSA		USA	
	Number	Annual	Number	Annual	Number	Annual
2000	3.00	-	2.68	-	2.59	-
2010	3.03	0.1%	2.67	0.0%	2.58	-0.1%
2017	3.03	0.0%	2.69	0.1%	2.59	0.1%
Projected Mkt Entry April 2021	3.05	0.1%	2.70	0.1%	2.61	0.2%
2022	3.05	0.1%	2.71	0.1%	2.61	0.2%

Source: Esri Demographics 2017, Novogradac & Company LLP, November 2018

Household growth in the PMA exceeded that of both the MSA and the nation between 2010 and 2017. Over the next five years, this trend in household growth is expected to continue. The average household size in the PMA is larger than the national average at 2.59 persons in 2017. Over the next five years, the average household size is projected to remain relatively similar.

### 2b. Households by Tenure

The table below depicts household growth by tenure from 2000 through 2022.

### **TENURE PATTERNS PMA**

Year	Owner-Occupied Units	Percentage Owner- Occupied	Renter-Occupied Units	Percentage Renter-Occupied
2000	41,288	86.6%	6,409	13.4%
2017	70,868	76.5%	21,786	23.5%
Projected Mkt Entry April 2021	76,161	76.7%	23,180	23.3%
2022	77,925	76.7%	23,645	23.3%

Source: Esri Demographics 2017, Novogradac & Company LLP, November 2018

As the table illustrates, households within the PMA reside in predominately owner-occupied residences. Nationally, approximately two-thirds of the population resides in owner-occupied housing units, and one-third resides in renter-occupied housing units. Therefore, there is a smaller percentage of renters in the PMA than the nation. This percentage is projected to remain relatively stable over the next five years.

### 2c. Household Income

The following table depicts renter household income in the PMA in 2017, market entry, and 2022.

**RENTER HOUSEHOLD INCOME DISTRIBUTION - PMA** 

Income Cohort	2017		Projected Mkt Entry April 2021		2022	
	Number	Percentage	Number	Percentage	Number	Percentage
\$0-9,999	979	4.5%	1,004	4.3%	1,012	4.3%
\$10,000-19,999	2,344	10.8%	2,333	10.1%	2,329	9.8%
\$20,000-29,999	2,873	13.2%	2,944	12.7%	2,967	12.5%
\$30,000-39,999	3,208	14.7%	3,321	14.3%	3,359	14.2%
\$40,000-49,999	2,153	9.9%	2,204	9.5%	2,221	9.4%
\$50,000-59,999	2,422	11.1%	2,534	10.9%	2,571	10.9%
\$60,000-74,999	2,622	12.0%	2,871	12.4%	2,954	12.5%
\$75,000-99,999	2,040	9.4%	2,244	9.7%	2,312	9.8%
\$100,000-124,999	1,606	7.4%	1,837	7.9%	1,914	8.1%
\$125,000-149,999	514	2.4%	626	2.7%	663	2.8%
\$150,000-199,999	404	1.9%	484	2.1%	511	2.2%
\$200,000+	621	2.9%	779	3.4%	832	3.5%
Total	21,786	100.0%	23,180	100.0%	23,645	100.0%

Source: HISTA Data / Ribbon Demographics 2017, Novogradac & Company LLP, November 2018

RENTER HOUSEHOLD INCOME DISTRIBUTION - Atlanta-Sandy Springs-Roswell, GA MSA

			<b>, .</b> .			
Income Cohort	20	017	•	lkt Entry April 021	20	022
	Number	Percentage	Number	Percentage	Number	Percentage
\$0-9,999	97,505	12.1%	97,015	11.5%	96,852	11.3%
\$10,000-19,999	115,106	14.3%	112,162	13.3%	111,180	13.0%
\$20,000-29,999	112,654	14.0%	111,961	13.3%	111,730	13.1%
\$30,000-39,999	102,539	12.7%	103,315	12.3%	103,573	12.1%
\$40,000-49,999	84,261	10.4%	86,408	10.3%	87,123	10.2%
\$50,000-59,999	65,290	8.1%	69,041	8.2%	70,291	8.2%
\$60,000-74,999	71,879	8.9%	77,347	9.2%	79,170	9.3%
\$75,000-99,999	66,381	8.2%	74,194	8.8%	76,798	9.0%
\$100,000-124,999	36,195	4.5%	41,951	5.0%	43,870	5.1%
\$125,000-149,999	19,305	2.4%	23,575	2.8%	24,998	2.9%
\$150,000-199,999	18,386	2.3%	22,630	2.7%	24,045	2.8%
\$200,000+	17,203	2.1%	22,910	2.7%	24,812	2.9%
Total	806,704	100.0%	842,508	100.0%	854,442	100.0%

Source: HISTA Data / Ribbon Demographics 2017, Novogradac & Company LLP, November 2018

The Subject will target tenants earning between \$28,869 and \$48,480. As the table above depicts, approximately 37.8 percent of renter households in the PMA are earning incomes between \$20,000 and \$49,999, which is greater than the 37.1 percent of renter households in the MSA in 2017. For the projected market entry date of April 2021, these percentages are projected to slightly decrease to 36.5 percent in the PMA and 35.9 percent in the MSA.



# 2d. Renter Households by Number of Persons in the Household

The following table illustrates household size for all households in 2017, 2021 and 2022. To determine the number of renter households by number of persons per household, the total number of households is adjusted by the percentage of renter households.

RENTER HOUSEHOLDS BY NUMBER OF PERSONS - PMA

			•	/lkt Entry April		
Household Size	2	017	2	021	2	022
	Number	Percentage	Number	Percentage	Number	Percentage
1 Person	6,673	30.6%	6,995	30.2%	7,102	30.0%
2 Persons	5,207	23.9%	5,299	22.9%	5,329	22.5%
3 Persons	3,661	16.8%	3,966	17.1%	4,068	17.2%
4 Persons	2,959	13.6%	3,234	13.9%	3,325	14.1%
5+ Persons	3,286	15.1%	3,687	15.9%	3,821	16.2%
Total Households	21,786	100%	23,180	100%	23,645	100%

Source: HISTA Data / Ribbon Demographics 2017, Novogradac & Company LLP, November 2018

The majority of renter households in the PMA are one- to three-person households.

#### **Conclusion**

The population and household annual growth rate in the PMA exceeded that of both the MSA and nation as a whole between 2010 and 2017. Over the next five years, this trend in annual population and household growth rate is expected to continue. The Subject will target households earning between \$28,869 and \$48,480. Approximately 37.8 percent of renter households in the PMA are earning incomes between \$20,000 and \$49,999, which is greater than the 37.1 percent of renter households in the MSA in 2017. For the projected market entry date of April 2021, these percentages are projected to slightly decrease to 36.5 percent in the PMA and 35.9 percent in the MSA. Overall, the PMA has demonstrated that it is an area of population and household growth. As the PMA continues to grow, the need for affordable housing is also expected to increase. This population and household growth bodes well for the Subject's proposed units.





# **Employment Trends**

The PMA and Gwinnett County appear to be diverse with low-paying jobs in the education, retail trade, manufacturing, and government sectors, which are expected to generate demand for affordable housing in the PMA. Employment levels decreased during the national recession but have surpassed pre-recession highs and appear to be in an expansionary phase.

#### 1. Total Jobs

The following table illustrates the total jobs (also known as "covered employment") in Gwinnett County. Note that the data below was the most recent data available.

**Total Jobs in Gwinnett County, Georgia** 

		•
Year	Total Employment	% Change
2007	404,504	-
2008	400,170	-1.08%
2009	379,758	-5.37%
2010	381,185	0.37%
2011	393,749	3.19%
2012	404,111	2.56%
2013	412,502	2.03%
2014	424,433	2.81%
2015	439,125	3.35%
2016	458,414	4.21%
2017 YTD Average	461,198	0.60%
Oct-16	450,393	-
Oct-17	466,555	3.46%
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

Source: U.S. Bureau of Labor Statistics

YTD as of October 2017

As illustrated in the table above, Gwinnett County experienced a weakening economy during the national recession. Gwinnett County began feeling the effects of the downturn in 2008 with its first employment decrease of the decade. Employment growth quickly rebounded and Gwinnett County exhibited employment growth from 2010 through 2017 year to date. Employment in Gwinnett County increased 3.46 percent from October 2016 to October 2017.

# **Total Jobs by Industry**

The following table illustrates the total jobs by employment sectors within Gwinnett County as of October 2017.

**Gwinnett County, Georgia** 

	Number	Percent
Total, all industries	316,695	-
Goods-producing	46,473	-
Natural resources and mining	358	0.11%
Construction	20,042	6.33%
Manufacturing	26,073	8.23%
Service-providing	270,222	-
Trade, transportation, and utilities	88,261	27.87%
Information	9,574	3.02%
Financial activities	23,669	7.47%
Professional and business services	67,075	21.18%
Education and health services	34,079	10.76%
Leisure and hospitality	36,988	11.68%
Other services	9,123	2.88%
Unclassified	1,453	0.46%

Source: Bureau of Labor Statistics, 2017

Trade, transportation, and utilities is the largest industry in Gwinnett County, followed by professional and business services and leisure and hospitality. These industries are particularly vulnerable in economic downturns and are historically volatile industries, with the exception of utilities. The following table illustrates employment by industry for the PMA as of 2017 (most recent year available).

2017 EMPLOYMENT BY INDUSTRY

	<u>P</u>	MA_	<u>US</u>	<u>A</u>
Industry	Number Employed	Percent Employed	Number Employed	Percent Employed
Retail Trade	18,284	13.0%	17,038,977	11.0%
Manufacturing	14,457	10.3%	15,589,157	10.1%
Prof/Scientific/Tech Services	13,318	9.5%	11,068,132	7.1%
Healthcare/Social Assistance	13,288	9.5%	21,941,435	14.2%
<b>Educational Services</b>	11,902	8.5%	14,390,707	9.3%
Accommodation/Food Services	9,975	7.1%	12,036,513	7.8%
Other Services	9,109	6.5%	7,493,272	4.8%
Finance/Insurance	8,533	6.1%	7,200,593	4.6%
Construction	8,284	5.9%	9,872,629	6.4%
Wholesale Trade	7,059	5.0%	4,064,621	2.6%
Admin/Support/Waste Mgmt Srvcs	6,674	4.8%	6,968,170	4.5%
Information	4,504	3.2%	2,741,630	1.8%
Transportation/Warehousing	4,357	3.1%	6,498,777	4.2%
Public Administration	4,075	2.9%	6,982,075	4.5%
Real Estate/Rental/Leasing	3,141	2.2%	3,130,712	2.0%
Arts/Entertainment/Recreation	2,463	1.8%	3,448,696	2.2%
Utilities	753	0.5%	1,401,281	0.9%
Agric/Forestry/Fishing/Hunting	227	0.2%	2,288,795	1.5%
Mgmt of Companies/Enterprises	67	0.0%	86,740	0.1%
Mining	30	0.0%	609,828	0.4%
Total Employment	140,500	100.0%	154,852,740	100.0%

Source: Esri Demographics 2017, Novogradac & Company LLP, November 2018

As the table above illustrates, employment in the PMA is greatest in the retail trade, manufacturing, and professional/scientific/technical services sectors. These industries alone account for 32.8 percent of total employment in the PMA. Compared to the whole, the retail nation as а trade. professional/scientific/technical services, and finance/insurance services sectors are overrepresented in the PMA. Conversely, the healthcare/social assistance, educational services, and accommodation/food services sectors are underrepresented in the PMA when compared to the nation.

# 2. Major Employers

The table below shows the largest employers in Gwinnett County, Georgia.

**MAJOR EMPLOYERS - GWINNETT COUNTY** 

Employer Name	Industry	# Of Employees					
Gwinnett County Public School System	Educational Services	21,007					
<b>Gwinnett County Government</b>	Government	5,137					
Gwinnett Health Care System	Healthcare/Social Assistance	4,053					
Publix	Retail	4,036					
Walmart	Retail	3,291					
State of Georgia	Government	2,621					
Kroger	Retail	2,246					
US Postal Service	Government	2,172					
NCR	Computer Hardware	1,738					
Primerica	Insurance/Financial Services	1,690					

Source: Georgia Department of Labor, Workforce and Economic Research, retrieved October 2018



Gwinnett County Public School System is the largest employer, employing nearly 21,000 employees. Other major employers are concentrated in the government, healthcare/social assistance, and retail sectors. Many of these employers provide employment for a broad range of workers, including skilled, unskilled, and service occupations.

#### **Expansions/Contractions**

We have reviewed publications by Georgia Department of Economic Development, Workforce Division listing WARN (Worker Adjustment and Retraining Notification Act) notices since January 2017. These layoffs are illustrated in the following table.

**GWINNETT COUNTY WARN LISTINGS 2017-2018** 

Company	Industry	Employees Affected	Layoff Date
Mayfield Dairy	Manufacturing	108	9/16/2018
Corix	Utilities	53	12/30/2017
Ricoh Logistics Corporation	Transportation/Warehousing	50	9/29/2017
Sodexo	Admin/Support/Waste Mgmt Srvcs	63	8/31/2017
B & B Bacrach	Retail Trade	7	8/6/2017
Dollar Express	Retail Trade	8	6/30/2017
bebe	Other Services (excl Publ Adm)	8	5/27/2017
NexxLinx	Information	236	5/21/2017
Siemens Healthineers	Healthcare/Social Assistance	70	3/31/2017
Suniva	Prof/Scientific/Tech Services	131	3/29/2017
Bin Tech Partners	Finance/Insurance	108	2/17/2017
Total		842	

Source: Georgia Department of Economic Development, October 2018

As the preceding table demonstrates there have been a total of 11 company layoffs reported in Gwinnett County since January 2017, resulting in the loss of 842 jobs. Despite these job losses that have been reported, there has been some growth occurring in the area.

We attempted to contact the Gwinnett County Chamber of Commerce to inquire about recent business expansions or contractions in the area, but to date our attempts have been unsuccessful. However, we utilized the Partnership Gwinnett website to find the following business expansions in Gwinnett County announced in 2017 through 2018, most of which are located on lands identified through the Gwinnett County Village Community Improvement District (CID) initiative, an organization that works to promote redevelopment and infrastructure development in the area.

- Gezolan, a Swiss manufacturing company, opened a 60,000-square-foot facility off Hamilton Mill Road in Buford in June 2018, representing a \$12 million investment.
- Assurant, Inc., a global leader in risk management solutions, opened a technical support center in Duluth in May 2018, which created 335 new jobs and represented a \$2.2 million investment.
- GEBHARDT Logistic Solutions Inc., a market leader in storage and transport solutions for retail and trade industries, announced the expansion of its operations and relocation to Gwinnett County, metro Atlanta, Georgia. GEBHARDT's 30,000-square-foot facility, located at 1650 Horizon Parkway Northeast approximately 4.4 miles north of the Subject site, will serve as a headquarters for the company's North American production and services for storage and transport solutions. The facility will house four full-time employees and 10 to 20 part-time employees including sales managers, customer service managers, engineers, logisticians and a general manager. The company seeks to actively increase its number of full-time employees as it expands into the North American market.



- Convergint Technologies, a worldwide leader in service-based systems integration, announced the expansion of its operations in Gwinnett County. The announcement represents 150 existing jobs, a projected 33% increase in new jobs in the coming years, and \$1 million in capital investment for the community. Convergint's 25,000-square-foot facility will be located at 1955 Evergreen Boulevard, approximately ten miles south of the Subject site.
- AZZ Inc., a provider of specialty electrical equipment and highly engineered services, announced in June 2017 plans to expand and relocate the company's specialty welding operation to a new 180,000 square-foot facility located at 560 Horizon Drive, 4.5 miles southwest of the Subject site. At the time of the announcement, there was no information for how many jobs the relocation is expected to add to the local economy.
- Carcoustics, a supplier to the automobile industry, plans to invest \$6 million to construct a 130,000 square-foot manufacturing facility that will produce acoustic and thermal components for the automobile industry. Over the next five years, the company intends to create 200 jobs at the facility.
- Liftmaster, a manufacturer of residential garage door openers, announced in April 2017 plans to
  move their distribution operations and customer experience and training centers to a newly
  constructed 96,000 square-foot facility. Liftmaster plans to increase full-time staff in the area by 30
  percent when the distribution center is fully operational, though no numbers of jobs expected to be
  added were given.
- National Compressor Exchange (NCE), an ISO Certified compressor remanufacturer, announced in April 2017 that it plans to establish a southeastern and international division headquarters that will house the company's warehouse, sales operations, and customer showroom. The \$500,000 initial investment will immediately add four new jobs with plans to add an additional 40 jobs over the next five years.
- Crawford & Company, the world's largest publicly listed independent provider of claims management to insurance companies, announced in March 2017 plans to move their global headquarters to the City of Peachtree Corners in Gwinnett County. The project will include \$15 million in capital investment and is expected to add 500 new jobs over the next three years.

#### 3. Employment and Unemployment Trends

The following table details employment and unemployment trends for the Atlanta-Sandy Springs-Roswell, GA MSA from 2002 to August 2018.



EMPLOYMENT TRENDS (NOT SEASONALLY ADJUSTED)

Atlanta-Sandy Springs-Roswell, GA MSA				<u>USA</u>		
	Total Employment	% Change	Differential from peak	Total Employment	% Change	Differential from peak
2002	2,324,880	-	-16.8%	136,485,000	-	-9.9%
2003	2,347,173	1.0%	-16.0%	137,736,000	0.9%	-9.0%
2004	2,382,163	1.5%	-14.7%	139,252,000	1.1%	-8.0%
2005	2,445,674	2.7%	-12.5%	141,730,000	1.8%	-6.4%
2006	2,538,141	3.8%	-9.2%	144,427,000	1.9%	-4.6%
2007	2,618,825	3.2%	-6.3%	146,047,000	1.1%	-3.6%
2008	2,606,822	-0.5%	-6.7%	145,363,000	-0.5%	-4.0%
2009	2,452,057	-5.9%	-12.2%	139,878,000	-3.8%	-7.6%
2010	2,440,037	-0.5%	-12.7%	139,064,000	-0.6%	-8.2%
2011	2,486,895	1.9%	-11.0%	139,869,000	0.6%	-7.6%
2012	2,545,474	2.4%	-8.9%	142,469,000	1.9%	-5.9%
2013	2,572,589	1.1%	-7.9%	143,929,000	1.0%	-5.0%
2014	2,619,531	1.8%	-6.3%	146,305,000	1.7%	-3.4%
2015	2,684,742	2.5%	-3.9%	148,833,000	1.7%	-1.7%
2016	2,794,326	4.1%	0.0%	151,436,000	1.7%	0.0%
2017	2,896,736	3.7%	3.7%	153,308,000	1.2%	1.2%
2018 YTD Average*	2,978,169	2.8%	<u>-</u>	155,303,000	1.3%	
Aug-2017	2,895,101	-	-	153,576,000	-	-
Aug-2018	2,975,023	2.8%	-	155,539,000	1.3%	_

Source: U.S. Bureau of Labor Statistics November 2018

# **UNEMPLOYMENT TRENDS (NOT SEASONALLY ADJUSTED)**

	Atlanta-Sandy	well, GA MSA	<u>USA</u>			
	Unemployment Rate	Change	Differential from peak	Unemployme nt Rate	Change	Differential from peak
2002	5.0%	-	0.6%	5.8%	-	1.2%
2003	4.9%	-0.2%	0.5%	6.0%	0.2%	1.4%
2004	4.8%	-0.1%	0.4%	5.5%	-0.5%	0.9%
2005	5.4%	0.6%	0.9%	5.1%	-0.5%	0.5%
2006	4.7%	-0.7%	0.2%	4.6%	-0.5%	0.0%
2007	4.4%	-0.2%	0.0%	4.6%	0.0%	0.0%
2008	6.2%	1.7%	1.7%	5.8%	1.2%	1.2%
2009	9.9%	3.8%	5.5%	9.3%	3.5%	4.7%
2010	10.3%	0.4%	5.9%	9.6%	0.3%	5.0%
2011	9.9%	-0.4%	5.5%	9.0%	-0.7%	4.3%
2012	8.8%	-1.1%	4.4%	8.1%	-0.9%	3.5%
2013	7.8%	-1.0%	3.4%	7.4%	-0.7%	2.8%
2014	6.8%	-1.0%	2.3%	6.2%	-1.2%	1.6%
2015	5.7%	-1.1%	1.3%	5.3%	-0.9%	0.7%
2016	5.1%	-0.6%	0.7%	4.9%	-0.4%	0.3%
2018 YTD Average*	3.9%	-0.7%	-	4.0%	-0.5%	-
Aug-2017	4.7%	-	-	4.5%	-	-
Aug-2018	3.6%	-1.1%	-	3.9%	-0.6%	-

Source: U.S. Bureau of Labor Statistics November 2018

Total employment in the MSA has increased every year since 2003 with the exception of 2008 through 2010 during the most recent national recession. While the MSA experienced a 6.9 percent decline in employment

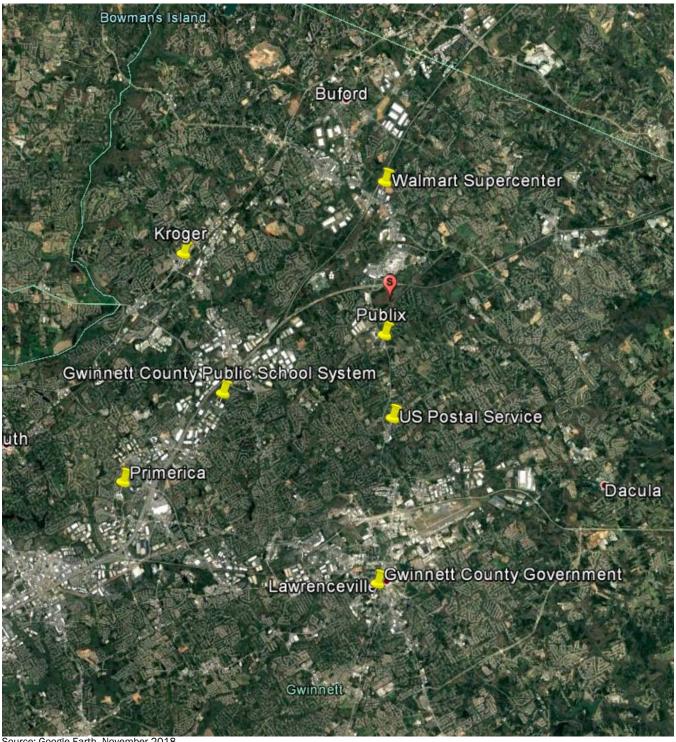


during between 2008 and 2010, which was greater than the nation over the same period, the MSA has experienced growth each year since. Furthermore, the MSA surpassed its pre-recessionary employment levels in 2014, the same year as the nation, and has continued to increase steadily.

Trends in historical unemployment data generally mirrors employment; after 2009 at the peak of the recession, unemployment in the MSA has decreased six of the past eight years. Between August 2017 and August 2018, total employment increased 2.8 percent, compared to the national growth rate of 1.3 percent during the same time period. Overall, the local economy has fully recovered from the national recession and has entered into an expansionary phase which is a positive indicator of demand for rental housing and, therefore, the Subject's proposed units.

# 4. Map of Site and Major Employment Concentrations

The following map and table details the largest employers in Gwinnett County, Georgia.



Source: Google Earth, November 2018.

#### **MAJOR EMPLOYERS - GWINNETT COUNTY**

Employer Name	Industry	# Of Employees		
Gwinnett County Public School System	Educational Services	21,007		
<b>Gwinnett County Government</b>	Government	5,137		
Gwinnett Health Care System	Healthcare/Social Assistance	4,053		
Publix	Retail	4,036		
Walmart	Retail	3,291		
State of Georgia	Government	2,621		
Kroger	Retail	2,246		
US Postal Service	Government	2,172		
NCR	Computer Hardware	1,738		
Primerica	Insurance/Financial Services	1,690		

Source: Georgia Department of Labor, Workforce and Economic Research, retrieved October 2018

#### 5. Conclusion

Employment in the PMA is greatest in the trade, transportation, and utilities sector, followed by professional and business services and leisure and hospitality. These industries are particularly vulnerable in economic downturns and are historically volatile industries, with the exception of utilities.

Total employment in the MSA has increased every year since 2003 with the exception of 2008 through 2010 during the most recent national recession. While the MSA experienced a 6.9 percent decline in employment during between 2008 and 2010, which was greater than the nation over the same period, the MSA has experienced growth each year since. Furthermore, the MSA surpassed its pre-recessionary employment levels in 2014, the same year as the nation, and has continued to increase steadily. Trends in historical unemployment data generally mirrors employment; after 2009 at the peak of the recession, unemployment in the MSA has decreased six of the past eight years. Between August 2017 and August 2018, total employment increased 2.8 percent, compared to the national growth rate of 1.3 percent during the same time period. Overall, the local economy has fully recovered from the national recession and has entered into an expansionary phase which is a positive indicator of demand for rental housing and, therefore, the Subject's proposed units.

# G. PROJECT-SPECIFIC AFFORDABILITY AND DEMAND ANALYSIS

The following demand analysis evaluates the potential amount of qualified households, which the Subject would have a fair chance at capturing. The structure of the analysis is based on the guidelines provided by DCA.

#### 1. Income Restrictions

LIHTC rents are based upon a percentage of the Area Median Gross Income ("AMI"), adjusted for household size and utilities. The Georgia Department of Community Affairs ("DCA") will estimate the relevant income levels, with annual updates. The rents are calculated assuming that the maximum net rent a household will pay is 35 percent of its household income at the appropriate AMI level.

According to DCA, household size is assumed to be 1.5 persons per bedroom for LIHTC rent calculation purposes. For example, the maximum rent for a four-person household in a two-bedroom unit is based on an assumed household size of three persons (1.5 per bedroom). For income determination purposes, the maximum income is assumed to be 1.5 persons per bedroom rounded up to the nearest whole number. For example, maximum income for a one-bedroom unit is based on an assumed household size of two persons (1.5 persons per bedroom, rounded up).

To assess the likely number of tenants in the market area eligible to live in the Subject, we use Census information as provided by ESRI Information Systems, to estimate the number of potential tenants who would qualify to occupy the Subject as a LIHTC project.

The maximum income levels are based upon information obtained from the Rent and Income Limits Guidelines Table as accessed from the DCA website. The maximum income for our Subject is \$48,480, which is the maximum allowable income for five-person households at 60 percent AMI.

# 2. Affordability

As discussed above, the maximum income is set by DCA while the minimum is based upon the minimum income needed to support affordability. This is based upon a standard of 35 percent. Lower and moderate-income families typically spend greater than 30 percent of their income on housing. These expenditure amounts can range higher than 50 percent depending upon market area. However, the 30 to 40 percent range is generally considered a reasonable range of affordability. DCA guidelines utilize 35 percent for families and 40 percent for seniors. We will use these guidelines to set the minimum income levels for the demand analysis.

INCOME EMILIS						
Minimum	Maximum					
Allowable	Allowable					
Income	Income					
60%	S AMI					
\$28,869	\$35,940					
\$34,663	\$40,440					
	Minimum Allowable Income 60% \$28,869					

\$40,011

\$48,480

INCOME LIMITS

# 3. Demand

The demand for the Subject will be derived from three sources: new households, existing households and elderly homeowners likely to convert to rentership. These calculations are illustrated in the following tables.

3BR

#### 3a. Demand from New Households

The number of new households entering the market is the first level of demand calculated. We have utilized 2021, the anticipated date of market entry, as the base year for the analysis. Therefore, 2017 household population estimates are inflated to 2021 by interpolation of the difference between 2017 estimates and



2022 projections. This change in households is considered the gross potential demand for the Subject property. This number is adjusted for income eligibility and renter tenure. This is calculated as an annual demand number. In other words, this calculates the anticipated new households in 2021. This number takes the overall growth from 2017 to 2022 and applies it to its respective income cohorts by percentage. This number does not reflect lower income households losing population, as this may be a result of simple dollar value inflation.

#### 3b. Demand from Existing Households

Demand for existing households is estimated by summing two sources of potential tenants. The first source is tenants who are rent overburdened. These are households who are paying over 35 percent for family households and 40 percent for senior households of their income in housing costs. This data is interpolated using ACS data based on appropriate income levels.

The second source is households living in substandard housing. We will utilize this data to determine the number of current residents that are income eligible, renter tenure, overburdened and/or living in substandard housing and likely to consider the Subject. In general, we will utilize this data to determine the number of current residents that are income eligible, renter tenure, overburdened and/or living in substandard housing and likely to consider the Subject.

#### 3c. Demand from Elderly Homeowners likely to Convert to Rentership

An additional source of demand is also seniors likely to move from their own homes into rental housing. This source is only appropriate when evaluating senior properties and is determined by interviews with property managers in the PMA. It should be noted that per DCA guidelines, we have lowered demand from seniors who convert to homeownership to be at or below 2.0 percent of total demand.

# 3d. Other

Per the 2018 GA DCA Qualified Allocation Plan (QAP) and Market Study Manual, GA DCA does not consider demand from outside the Primary Market Area (PMA), including the Secondary Market Area (SMA). Therefore, we have not accounted for leakage from outside the PMA boundaries in our demand analysis.

DCA does not consider household turnover to be a source of market demand. Therefore, we have not accounted for household turnover in our demand analysis.

# 4. New Demand, Capture Rates and Stabilization Conclusions

The following pages will outline the overall demand components added together (3(a), 3(b) and 3(c)) less the supply of competitive developments awarded and/or constructed or placed in service from 2014 to the present.

#### Additions to Supply

Additions to supply will lower the number of potential qualified households. Pursuant to our understanding of DCA guidelines, we have deducted the following units from the demand analysis.

- Comparable/competitive LIHTC and bond units (vacant or occupied) that have been funded, are under construction, or placed in service in 2016 through the present.
- Vacancies in projects placed in service prior to 2016 that have not reached stabilized occupancy (i.e. at least 90 percent occupied).
- Comparable/competitive conventional or market rate units that are proposed, are under construction, or have entered the market from 2016 to present. As the following discussion will demonstrate, competitive market rate units are those with rent levels that are comparable to the proposed rents at the Subject.



Per GA DCA guidelines, competitive units are defined as those units that are of similar size and configuration and provide alternative housing to a similar tenant population, at rent levels comparative to those proposed for the Subject development. According to Georgia DCA allocation lists, only one LIHTC property has been allocated in the Subject's PMA since 2016. This property is known as Breckinridge Oaks, and will offer 110 units to seniors upon completion. Because this property targets senior tenancy, it is not considered competitive with the Subject. Thus, we have not deducted the units at this property from our analysis.

# **PMA Occupancy**

Per DCA's guidelines, we have determined the average occupancy rate based on all available competitive conventional and LIHTC properties in the PMA. We have provided a combined average occupancy level for the PMA based on the total competitive units in the PMA.

PMA OCCUPANCY

	FINA OCCUPANCI							
Property Name	Program	Location	Tenancy	# of Units	Occupancy			
Ivy Ridge	LIHTC	Buford	Family	256	-			
Huntington Court	LIHTC, Market, Non-Rental	Buford	Senior	152	100.0%			
Plantation Ridge	LIHTC, Market	Sugar Hill	Family	218	100.0%			
Reserve At Ivy Creek	LIHTC, Market	Buford	Family	305	100.0%			
Annandale Apartments, Inc.	Section 8	Suwanee	Family	12	100.0%			
Caswyck Amli At Mcginnis	Market	Suwannee	Family	700	97.9%			
Century At Mill Creek	Market	Buford	Family	259	97.3%			
Century Pointe At Suwanee Station (FKA Oakmont)	Market	Suwanee	Family	336	98.2%			
Dakota Mill Creek	Market	Buford	Family	234	97.0%			
Daniel Creek	Market	Lawrenceville	Family	78	N/A			
Hartford Run Apartments	Market	Buford	Family	259	94.2%			
Holland Park	Market	Lawrenceville	Family	496	99.6%			
Landmark At Grand Oasis	Market	Suwanee	Family	467	94.9%			
Madison At River Sound	Market	Lawrenceville	Family	586	99.1%			
Preserve At Legacy Park	Market	Lawrenceville	Family	498	96.0%			
Preserve At Mill Creek	Market	Buford	Family	400	98.8%			
Preston Hills At Mill Creek	Market	Buford	Family	464	97.4%			
Sugar Mill Apartments	Market	Lawrenceville	Family	244	97.1%			
Sugarloaf Trails	Market	Duluth	Family	268	99.6%			
The Reserve At Sugarloaf	Market	Duluth	Family	333	98.2%			
Summer Park Apartments	Market	Buford	Family	358	98.0%			
The Overlook At Gwinnett Stadium	Market	Lawrenceville	Family	410	97.6%			
The Terraces At Suwanee Gateway	Market	Suwanee	Family	335	99.4%			
The Views At Coolray Field	Market	Lawrenceville	Family	206	97.1%			
Waterstone	Market	Buford	Family	296	97.6%			
Winbridge Apartments	Rural Development	Buford	Family	48	100.0%			
Ave	rage PMA Occupancy				97.9%			

The average occupancy rate of competitive developments in the PMA is 97.9 percent.

#### Rehab Developments and PBRA

For any properties that are rehab developments, the capture rates will be based on those units that are vacant, or whose tenants will be rent burdened or over income as listed on the Tenant Relocation Spreadsheet.



Units that are subsidized with PBRA or whose rents are more than 20 percent lower than the rent for other units of the same bedroom size in the same AMI band and comprise less than 10 percent of total units in the same AMI band will not be used in determining project demand. In addition, any units, if priced 30 percent lower than the average market rent for the bedroom type in any income segment, will be assumed to be leasable in the market and deducted from the total number of units in the project for determining capture rates.

# 5. Capture Rates

The above calculations and derived capture rates are illustrated in the following tables. Note that the demographic data used in the following tables, including tenure patterns, household size and income distribution through the projected market entry date of 2021 were illustrated in the previous section of this report.

**RENTER HOUSEHOLD INCOME DISTRIBUTION - PMA** 

Income Cohort	2017		2017 Projected Mkt Entry April 2021		2022	
	Number	Percentage	Number	Percentage	Number	Percentage
\$0-9,999	979	4.5%	1,004	4.3%	1,012	4.3%
\$10,000-19,999	2,344	10.8%	2,333	10.1%	2,329	9.8%
\$20,000-29,999	2,873	13.2%	2,944	12.7%	2,967	12.5%
\$30,000-39,999	3,208	14.7%	3,321	14.3%	3,359	14.2%
\$40,000-49,999	2,153	9.9%	2,204	9.5%	2,221	9.4%
\$50,000-59,999	2,422	11.1%	2,534	10.9%	2,571	10.9%
\$60,000-74,999	2,622	12.0%	2,871	12.4%	2,954	12.5%
\$75,000-99,999	2,040	9.4%	2,244	9.7%	2,312	9.8%
\$100,000-124,999	1,606	7.4%	1,837	7.9%	1,914	8.1%
\$125,000-149,999	514	2.4%	626	2.7%	663	2.8%
\$150,000-199,999	404	1.9%	484	2.1%	511	2.2%
\$200,000+	621	2.9%	779	3.4%	832	3.5%
Total	21,786	100.0%	23,180	100.0%	23,645	100.0%

Source: HISTA Data / Ribbon Demographics 2017, Novogradac & Company LLP, November 2018

# **60% AMI**

# NEW RENTER HOUSEHOLD DEMAND BY INCOME COHORT - @60%

Minimum Income Limit		\$28,869	Maximum Income Li	mit	\$48,480
Income Category	in Households P	eholds - Total Change MA 2017 to Prj Mrkt April 2021	Income Brackets	Percent within Cohort	Renter Households within Bracket
\$0-9,999 \$10,000-19,999	25 -11	1.8% -0.8%		0.0% 0.0%	0 0
\$20,000-29,999 \$30,000-39,999	71 113	5.1% 8.1% 3.7%	\$1,130 \$9,999	11.3% 100.0% 84.8%	8 113 43
\$40,000-49,999 \$50,000-59,999 \$60,000-74,999	51 112 249	8.0% 17.9%	\$8,480	0.0% 0.0%	0 0
\$75,000-99,999 \$100,000-124,999	204 231	14.6% 16.6%		0.0% 0.0%	0
\$125,000-149,999 \$150,000-199,999	112 80	8.0% 5.8%		0.0% 0.0%	0
\$200,000+ <b>Tot</b> al	158 <b>1,394</b>	11.4% <b>100.0%</b>		0.0% <b>11.8%</b>	0 <b>164</b>

# POTENTIAL EXISTING HOUSEHOLD DEMAND BY INCOME COHORT - @60%

Minimum Income Limit		\$28,869	Maximum Income Li	mit	\$48,480
Income Category	Total Penter Hou	useholds PMA 2017	Income Brackets	Percent within	Households
income category	Total Nellter Hot	uscholus i MA 2011	IIICOIIIC DIACKEIS	Cohort	within Bracket
\$0-9,999	979	4.5%		0.0%	0
\$10,000-19,999	2,344	10.8%		0.0%	0
\$20,000-29,999	2,873	13.2%	\$1,130	11.3%	325
\$30,000-39,999	3,208	14.7%	\$9,999	100.0%	3,208
\$40,000-49,999	2,153	9.9%	\$8,480	84.8%	1,826
\$50,000-59,999	2,422	11.1%		0.0%	0
\$60,000-74,999	2,622	12.0%		0.0%	0
\$75,000-99,999	2,040	9.4%		0.0%	0
\$100,000-124,999	1,606	7.4%		0.0%	0
\$125,000-149,999	514	2.4%		0.0%	0
\$150,000-199,999	404	1.9%		0.0%	0
\$200,000+	621	2.9%		0.0%	0
Total	21,786	100.0%		24.6%	5,359

# ASSUMPTIONS - @60%

Tenancy		Family	Family % of Income towards Housing		
Rural/Urban		Urban	Maximum # of Occupants		5
Persons in Household	0BR	1BR	2BR	3BR	4BR+
1	0%	90%	10%	0%	0%
2	0%	20%	80%	0%	0%
3	0%	0%	90%	10%	0%
4	0%	0%	10%	90%	0%
5+	0%	0%	0%	100%	0%



New Renter Households PMA         1,394           Percent Income Qualified Households         164           Demand from Existing Households 2017	Demand from New Renter Households 2017 to April 2021		
Percent Income Qualified         11.8%           New Renter Income Qualified Households         164           Demand from Existing Households 2017	Income Target Population		
New Renter Income Qualified Households         164           Demand from Existing Households 2017         Demand from Rent Overburdened Households           Income Target Population         @60%           Total Existing Demand         21,786           Income Qualified         24,6%           Income Qualified Renter Households         5,359           Percent Rent Overburdened Prij Mrkt Entry April 2021         35,1%           Rent Overburdened Households         1,881           Demand from Living in Substandard Housing           Income Qualified Renter Households         5,359           Percent Living in Substandard Housing         5,359           Percent Living in Substandard Housing         83           Senior Households Converting from Homeownership         @60%           Income Target Population         @60%           Total Senior Demand Converting from Homeownership         0           Rural Versus Urban         0,0%           Senior Demand from Existing Households         1,965           Total Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership         0           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0,0%	New Renter Households PMA		,
Demand from Existing Households 2017   Section   Secti	Percent Income Qualified		11.8%
Demand from Rent Overburdened Households	New Renter Income Qualified Households		164
Income Target Population   @60%   Total Existing Demand   21,786   1,881   1	Demand from Existing Households 2017		
Total Existing Demand         21,786           Income Qualified         24.6%           Income Qualified Renter Households         5,359           Percent Rent Overburdened Prj Mrkt Entry April 2021         35.1%           Rent Overburdened Households         1,881           Demand from Living in Substandard Housing           Income Qualified Renter Households         5,359           Percent Living in Substandard Housing         1.6%           Households Living in Substandard Housing         83           Senior Households Converting from Homeownership         0           Total Senior Homeowners         0           Rural Versus Urban         0.0%           Senior Demand Converting from Homeownership         0           Total Demand from Existing Households         1,965           Total New Demand         1,64           Total Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0.0%           Is this Demand Over 20 percent of Total Demand?         No           One Person         30.2%         642           Two Persons         17.1%         364           Thus Persons         17.1%         364<	Demand from Rent Overburdened Households		
Income Qualified         24.6%           Income Qualified Renter Households         5,359           Percent Rent Overburdened Prj Mrkt Entry April 2021         35.1%           Rent Overburdened Households         1,881           Demand from Living in Substandard Housing           Income Qualified Renter Households         5,359           Percent Living in Substandard Housing         1.6%           Households Living in Substandard Housing         83           Senior Households Converting from Homeownership         ©60%           Income Target Population         ©60%           Total Senior Homeowners         0           Rural Versus Urban         0.0%           Senior Demand Converting from Homeownership         0           Total Demand         1.965           Total Demand from Existing Households         1,965           Total New Demand         1.64           Total Demand from Seniors Who Convert from Homeownership         0           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0.0%           Is this Demand Over 20 percent of Total Demand?         No           One Person         30.2% 642           Towo Persons         17.1% 364           Four	Income Target Population		@60%
Income Qualified Renter Households   5,359     Percent Rent Overburdened Prj Mrkt Entry April 2021   35.1%     Rent Overburdened Households   1,881     Demand from Living in Substandard Housing       Income Qualified Renter Households   5,359     Percent Living in Substandard Housing   1.6%     Households Living in Substandard Housing   83     Senior Households Converting from Homeownership       Income Target Population   @60%     Total Senior Homeowners   0     Rural Versus Urban   0.0%       Senior Demand Converting from Homeownership   0     Total Demand Total Demand From Existing Households   1,965     Total New Demand   164     Total Demand (New Plus Existing Households)   2,129     Demand from Seniors Who Convert from Homeownership   0     Percent of Total Demand From Homeownership   0     Percent of T	Total Existing Demand		21,786
Percent Rent Overburdened Prj Mrkt Entry April 2021         35.1%           Rent Overburdened Households         1,881           Demand from Living in Substandard Housing         5,359           Income Qualified Renter Households         5,359           Percent Living in Substandard Housing         83           Households Living in Substandard Housing         83           Senior Households Converting from Homeownership         0           Income Target Population         060%           Total Senior Homeowners         0           Rural Versus Urban         0.0%           Senior Demand Converting from Homeownership         0           Total Demand         1,965           Total New Demand         164           Total Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0.0%           Is this Demand Over 20 percent of Total Demand?         No           By Bedroom Demand         0.0%           One Person         30.2%         642           Two Persons         22.9%         487           Three Persons         17.1%         364           Four Persons         13.9%         297	Income Qualified		24.6%
Demand from Living in Substandard Houseing   1.6%     Income Qualified Renter Households   5,359     Percent Living in Substandard Housing   1.6%     Households Living in Substandard Housing   83     Senior Households Converting from Homeownership     Income Target Population   @60%     Total Senior Homeowners   0     Rural Versus Urban   0.0%     Senior Demand Converting from Homeownership   0     Total Demand   164     Total Demand from Existing Households   1,965     Total Demand (New Plus Existing Households)   2,129     Demand from Seniors Who Convert from Homeownership   0     Percent of Total Demand Fr	Income Qualified Renter Households		5,359
Demand from Living in Substandard Housing Income Qualified Renter Households Percent Living in Substandard Housing 1.6% Households Living in Substandard Housing 83  Senior Households Converting from Homeownership Income Target Population 0.0% Total Senior Homeowners 0.0% Senior Demand Converting from Homeownership  Total Demand Total Demand Total Demand from Existing Households 1.965 Total New Demand (New Plus Existing Households) 2,129  Demand from Seniors Who Convert from Homeownership 0 Demand from Seniors Who Convert from Homeownership 0 Percent of Total Demand Prom Homeownership 0 Percent of To	Percent Rent Overburdened Prj Mrkt Entry April 2021		35.1%
Income Qualified Renter Households         5,359           Percent Living in Substandard Housing         1.6%           Households Living in Substandard Housing         83           Senior Households Converting from Homeownership         660%           Income Target Population         @60%           Total Senior Homeowners         0           Rural Versus Urban         0.0%           Senior Demand Converting from Homeownership         0           Total Demand         1,965           Total New Demand         1,64           Total New Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0.0%           Is this Demand Over 20 percent of Total Demand?         No           By Bedroom Demand         30.2%         642           Two Persons         30.2%         487           Three Persons         17.1%         364           Four Persons         13.9%         297           Five Persons         15.9%         339	Rent Overburdened Households		1,881
Percent Living in Substandard Housing   1.6%	Demand from Living in Substandard Housing		
Households Living in Substandard Housing  Senior Households Converting from Homeownership  Income Target Population  Total Senior Homeowners  Rural Versus Urban  Senior Demand Converting from Homeownership  Total Demand From Existing Households  Total Demand (New Plus Existing Households)  Demand from Seniors Who Convert from Homeownership  Demand from Seniors Who Convert from Homeownership  Percent of Total Demand From Homeownership On%  Is this Demand Over 20 percent of Total Demand?  By Bedroom Demand  One Person  Three Persons	Income Qualified Renter Households		5,359
Senior Households Converting from Homeownership Income Target Population @60% Total Senior Homeowners 0 Rural Versus Urban 0.0%  Senior Demand Converting from Homeownership 0  Total Demand Total Demand from Existing Households 1,965 Total New Demand (New Plus Existing Households) 2,129  Demand from Seniors Who Convert from Homeownership 0 Percent of Total Demand From Homeownership 0 Percent of Total Demand From Homeownership 0.0% Is this Demand Over 20 percent of Total Demand? No  By Bedroom Demand One Person 30.2% 642 Two Persons 22.9% 487 Three Persons 17.1% 364 Four Persons 13.9% 297 Five Persons 15.9% 339	Percent Living in Substandard Housing		1.6%
Income Target Population         @60%           Total Senior Homeowners         0           Rural Versus Urban         0.0%           Senior Demand Converting from Homeownership         0           Total Demand           Total Demand from Existing Households         1,965           Total New Demand         164           Total Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0.0%           Is this Demand Over 20 percent of Total Demand?         No           By Bedroom Demand           One Person         30.2%         642           Two Persons         22.9%         487           Three Persons         17.1%         364           Four Persons         13.9%         297           Five Persons         15.9%         339	Households Living in Substandard Housing		83
Total Senior Homeowners         0           Rural Versus Urban         0.0%           Senior Demand Converting from Homeownership         0           Total Demand         Total Demand from Existing Households         1,965           Total New Demand         164           Total Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0.0%           Is this Demand Over 20 percent of Total Demand?         No           By Bedroom Demand         30.2%         642           Two Persons         30.2%         487           Three Persons         17.1%         364           Four Persons         13.9%         297           Five Persons         15.9%         339	Senior Households Converting from Homeownership		
Rural Versus Urban         0.0%           Senior Demand Converting from Homeownership         0           Total Demand         1,965           Total New Demand         164           Total New Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0.0%           Is this Demand Over 20 percent of Total Demand?         No           By Bedroom Demand         30.2%         642           Two Persons         22.9%         487           Three Persons         17.1%         364           Four Persons         13.9%         297           Five Persons         15.9%         339			@60%
Senior Demand Converting from Homeownership         0           Total Demand         1,965           Total New Demand         164           Total Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership         0           Percent of Total Demand From Homeownership Conversion         0.0%           Is this Demand Over 20 percent of Total Demand?         No           By Bedroom Demand         30.2%         642           Two Persons         22.9%         487           Three Persons         17.1%         364           Four Persons         13.9%         297           Five Persons         15.9%         339			0
Total Demand         Total Demand from Existing Households       1,965         Total New Demand       164         Total Demand (New Plus Existing Households)       2,129         Demand from Seniors Who Convert from Homeownership       0         Percent of Total Demand From Homeownership Conversion       0.0%         Is this Demand Over 20 percent of Total Demand?       No         By Bedroom Demand       30.2%       642         Two Persons       22.9%       487         Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339			
Total Demand from Existing Households       1,965         Total New Demand       164         Total Demand (New Plus Existing Households)       2,129         Demand from Seniors Who Convert from Homeownership       0         Percent of Total Demand From Homeownership Conversion       0.0%         Is this Demand Over 20 percent of Total Demand?       No         By Bedroom Demand       30.2%       642         Two Persons       22.9%       487         Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339	Senior Demand Converting from Homeownership		0
Total New Demand         164           Total Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership Percent of Total Demand From Homeownership Conversion Is this Demand Over 20 percent of Total Demand?         0.0%           Is this Demand Over 20 percent of Total Demand?         No           By Bedroom Demand         30.2%         642           Two Persons         22.9%         487           Three Persons         17.1%         364           Four Persons         13.9%         297           Five Persons         15.9%         339	Total Demand		
Total Demand (New Plus Existing Households)         2,129           Demand from Seniors Who Convert from Homeownership Percent of Total Demand From Homeownership Conversion Is this Demand Over 20 percent of Total Demand?         0.0%           Is this Demand Over 20 percent of Total Demand?         No           By Bedroom Demand         30.2%         642           Two Persons         22.9%         487           Three Persons         17.1%         364           Four Persons         13.9%         297           Five Persons         15.9%         339	<u> </u>		•
Demand from Seniors Who Convert from Homeownership       0         Percent of Total Demand From Homeownership Conversion       0.0%         Is this Demand Over 20 percent of Total Demand?       No         By Bedroom Demand       30.2%       642         Two Persons       22.9%       487         Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339			
Percent of Total Demand From Homeownership Conversion       0.0%         Is this Demand Over 20 percent of Total Demand?       No         By Bedroom Demand         One Person       30.2%       642         Two Persons       22.9%       487         Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339	Total Demand (New Plus Existing Households)		2,129
Percent of Total Demand From Homeownership Conversion       0.0%         Is this Demand Over 20 percent of Total Demand?       No         By Bedroom Demand         One Person       30.2%       642         Two Persons       22.9%       487         Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339	Demand from Seniors Who Convert from Homeownership		0
Is this Demand Over 20 percent of Total Demand?       No         By Bedroom Demand         One Person       30.2%       642         Two Persons       22.9%       487         Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339	·		0.0%
One Person       30.2%       642         Two Persons       22.9%       487         Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339	Is this Demand Over 20 percent of Total Demand?		
One Person       30.2%       642         Two Persons       22.9%       487         Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339	By Bedroom Demand		
Three Persons       17.1%       364         Four Persons       13.9%       297         Five Persons       15.9%       339	One Person	30.2%	642
Four Persons 13.9% 297 Five Persons 15.9% 339	Two Persons	22.9%	487
Five Persons 15.9% 339	Three Persons	17.1%	364
	Four Persons	13.9%	297
Total 100.0% 2,129	Five Persons	15.9%	339
	Total	100.0%	2,129



To place Person Demand into Bedroom Type Units		
Of one-person households in studio units	0%	0
Of two-person households in studio units	0%	0
Of three-person households in studio units	0%	0
Of four-person households in studio units	0%	0
Of five-person households in studio units	0%	0
Of one-person households in 1BR units	90%	578
Of two-person households in 1BR units	20%	97
Of three-person households in 1BR units	0%	0
Of four-person households in 1BR units	0%	0
Of five-person households in 1BR units	0%	0
Of one-person households in 2BR units	10%	64
Of two-person households in 2BR units	80%	389
Of three-person households in 2BR units	90%	328
Of four-person households in 2BR units	10%	30
Of five-person households in 2BR units	0%	0
Of one-person households in 3BR units	0%	0
Of two-person households in 3BR units	0%	0
Of three-person households in 3BR units	10%	36
Of four-person households in 3BR units	90%	267
Of five-person households in 3BR units	100%	339
Of one-person households in 4BR units	0%	0
Of two-person households in 4BR units	0%	0
Of three-person households in 4BR units	0%	0
Of four-person households in 4BR units	0%	0
Of five-person households in 4BR units	0%	0
Of one-person households in 5BR units	0%	0
Of two-person households in 5BR units	0%	0
Of three-person households in 5BR units	0%	0
Of four-person households in 5BR units	0%	0
Of five-person households in 5BR units	0%	0
Total Demand		2,129

Total	Demand (Subject Unit Types	s)	Additions to Supply		Net Demand
0 BR	-	-	-	=	-
1 BR	676	-	0	=	676
2 BR	811	-	0	=	811
3 BR	642	-	0	=	642
4 BR	-	-	-	=	-
5 BR	-	-	-	=	-
Total	2,129		0		2,129
	Developer's Unit Mix		Net Demand		Capture Rate
0 BR	-	/	-	=	-
1 BR	112	/	676	=	16.6%
2 BR	128	/	811	=	15.8%
3 BR	16	/	642	=	2.5%
4 BR	-	/	-	=	-
5 BR	-	/	-	=	-
Total	256		2,129		12.0%



# **Conclusions**

We have conducted such an analysis to determine a base of demand for the Subject as a tax credit property. Several factors affect the indicated capture rates and are discussed following.

- The number of households in the PMA is expected to increase 1.9 percent between 2017 and 2021.
- This demand analysis does not measure the PMA's or Subject's ability to attract additional or latent demand into the market from elsewhere by offering an affordable option. We believe this to be moderate and therefore the demand analysis is somewhat conservative in its conclusions because this demand is not included.

The following table illustrates demand and net demand for the Subject's units. Note that these capture rates are not based on appropriate bedroom types, as calculated previously.

#### **DEMAND AND NET DEMAND**

DEMIAND AND NET DE	
	HH at @60% AMI (\$28,869 to \$48,480)
Demand from New Households (age and income appropriate)	164
PLUS	+
Demand from Existing Renter Housholds - Rent Overburdened Households	1,881
PLUS	+
Demand from Existing Renter Households - Substandard Housing	83
=	=
Sub Total	2,129
Demand from Existing Households - Elderly Homeowner Turnover (Limited to 20% where applicable)	0
Equals Total Demand	2,129
Less	-
New Supply	0
Equals Net Demand	2,129



#### **CAPTURE RATE ANALYSIS CHART**

Unit Type	Minimum Income	Maximum Income	Units Proposed	Total Demand	Supply	Net Demand	Capture Rate	Absorption	Average Market Rents	Minimum Market Rent	Maximum Market Rent	Proposed Rents
1BR @60%	\$28,869	\$35,940	112	676	0	676	16.6%	12 to 13 months	\$1,055	\$780	\$1,394	\$782
2BR @60%	\$34,663	\$40,440	128	811	0	811	15.8%	12 to 13 months	\$1,321	\$927	\$2,226	\$934
3BR @60%	\$40,011	\$48,480	16	642	0	642	2.5%	12 to 13 months	\$1,308	\$1,065	\$1,844	\$1,069
@60% Overall	\$28.869	\$48 480	256	2 129	0	2 129	12.0%	12 to 13 months	_	-	_	

As the analysis illustrates, the Subject's capture rates at the 60 percent AMI level will range from 2.5 to 16.6 percent, with an overall capture rate of 12.0 percent. Capture rates for the Subject's units are within Georgia DCA thresholds for each bedroom type and overall. Therefore, we believe there is adequate demand for the Subject.

# H. COMPETITIVE RENTAL ANALYSIS

# **Survey of Comparable Projects**

Comparable properties are examined on the basis of physical characteristics, i.e. building type, age/quality, level of common amenities, absorption, as well as similarity in rent. We attempted to compare the Subject to complexes from the competing market to provide a broader picture of the health and available supply in the market. Our competitive survey includes 12 "true" comparable properties containing 3,380 units. A detailed matrix describing the individual competitive properties as well as the proposed Subject is provided on the following pages. A map illustrating the location of the Subject in relation to comparable properties is also provided on the following pages. The properties are further profiled in the following write-ups. The property descriptions include information on vacancy, turnover, absorption, age, competition, and the general health of the rental market, when available.

The availability of affordable data is considered good and the availability of market rate data is considered good. All of the comparables are located within 7.2 miles of the Subject, with eight located within the PMA. Six of the comparable properties are located within 1.4 miles of the Subject site. We have utilized a total of six nonsubsidized LIHTC family developments located within and just outside of the PMA as comparables, as they represent properties we consider most similar overall in terms of condition, location, and unit mix to the Subject. We also included six comparable market rate properties, all of which are located in the PMA, that offer unit types similar to the proposed Subject. Overall, we believe the availability of data is adequate to support our conclusions.

# **Excluded Properties**

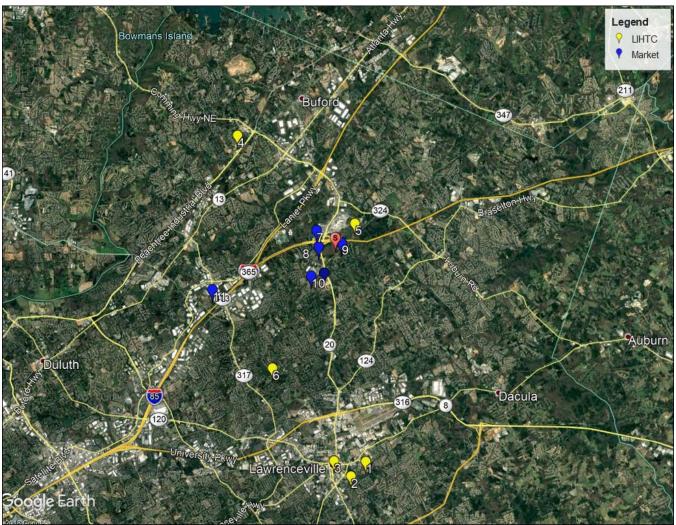
The following table illustrates properties within the PMA that have been excluded from our analysis along with their reason for exclusion.

# **EXCLUDED PROPERTIES**

Property Name	Program	Location	Tenancy	# of Units	Reason for Exclusion
Hearthside Johns Creek	LIHTC, Market, Non-Rental	Johns Creek	Senior	90	Senior tenancy
Huntington Court	LIHTC, Market, Non-Rental	Buford	Senior	152	Senior tenancy
Annandale Apartments, Inc.	Section 8	Suwanee	Family	12	Subsidized
Caswyck Amli At Mcginnis	Market	Suwanee	Family	700	Closer comparables
Century At Mill Creek	Market	Buford	Family	259	Closer comparables
Century Pointe At Suwanee Station	Market	Suwanee	Family	336	Closer comparables
Dakota Mill Creek	Market	Buford	Family	234	Closer comparables
Daniel Creek	Market	Lawrenceville	Family	78	Closer comparables
Gables Sugarloaf	Market	Duluth	Family	386	Closer comparables
Hartford Run Apartments	Market	Buford	Family	259	Could not contact
Holland Park	Market	Lawrenceville	Family	496	Closer comparables
Landmark At Grand Oasis	Market	Suwanee	Family	467	Closer comparables
Madison At River Sound	Market	Lawrenceville	Family	586	Closer comparables
Marquis At Sugarloaf	Market	Duluth	Family	303	Closer comparables
Preserve At Legacy Park	Market	Lawrenceville	Family	498	Closer comparables
Sugar Mill Apartments	Market	Lawrenceville	Family	244	Closer comparables
Sugarloaf Trails	Market	Duluth	Family	268	Closer comparables
The Reserve At Sugarloaf	Market	Duluth	Family	333	Closer comparables
Waterstone Apartments	Market	Buford	Family	296	Closer comparables
Winbridge Apartments	Rural Development	Buford	Family	48	Subsidized



# **Comparable Rental Property Map**



Source: Google Earth, October 2018.

# **COMPARABLE PROPERTIES**

#	Comparable Property	City	Rent Structure	Distance to Subject
S	Ivy Ridge	Buford	LIHTC	-
1	Alexander Mill*	Lawrenceville	LIHTC	6.8 miles
2	Ashton Creek Apartments*	Lawrenceville	LIHTC	7.2 miles
3	Magnolia Village*	Lawrenceville	LIHTC, Market	6.8 miles
4	Plantation Ridge	Sugar Hill	LIHTC, Market	4.6 miles
5	Reserve At Ivy Creek	Buford	LIHTC, Market	0.7 miles
6	The View At Sugarloaf	Lawrenceville	LIHTC, Non-Rental	4.4 miles
7	Preserve At Mill Creek	Buford	Market	0.9 miles
8	Preston Hills At Mill Creek	Buford	Market	0.7 miles
9	Summer Park Apartments	Buford	Market	0.0 miles
10	The Overlook At Gwinnett Stadium	Lawrenceville	Market	1.4 miles
11	The Terraces At Suwanee Gateway	Suwanee	Market	4.3 miles
12	The Views At Coolray Field	Lawrenceville	Market	1.1 miles

<sup>\*</sup>Located outside PMA

# 1. The following tables illustrate detailed information in a comparable framework for the Subject and the comparable properties.

				SUMMARY MA	TRIX									
Comp #	Property Name	Distance to Subject	Type / Built / Renovated	Rent Structure	Unit Description	#	%	Size (SF)	Restriction	Rent (Adj)	Max Rent?	Waiting List?	Vacant Units	Vacan Rate
Subject	Ivy Ridge	-	Garden	@60%	1BR / 1BA	12	4.7%	754	@60%	\$782	Yes	N/A	N/A	N/A
	1525 Laurel Crossing Parkway NE Buford, GA 30519		(4 stories) Proposed 2019 / n/a	ì	1BR / 1BA 2BR / 2BA	100 128	39.1% 50.0%	770 1,076	@60% @60%	\$782 \$934	Yes Yes	N/A N/A	N/A N/A	N/A N/A
	Gwinnett County		Family		3BR / 2BA	8	3.1%	1,226	@60%	\$1,069	Yes	N/A	N/A	N/A
					3BR / 2BA	8 256	3.1%	1,247	@60%	\$1,069	Yes	N/A N/A	N/A N/A	N/A N/A
1	Alexander Mill	6.8 miles	Garden	@60%	2BR / 2BA	157	70.1%	1,094	@60%	\$976	Yes	No	5	3.29
	158 Paper Mill Road Lawrenceville, GA 30045 Gwinnett County		(3 stories) 2002 / n/a Family		3BR / 2BA	67	29.9%	1,280	@60%	\$1,118	Yes	No	1	1.59
2	Ashton Creek Apartments	7.2 miles	Garden	@60%	1BR / 1BA	224 32	100.0% 22.9%	822	@60%	\$820	Yes	Yes	6 0	0.09
_	239 New Hope Road		(3 stories)		2BR / 2BA	58	41.4%	1,086	@60%	\$981	Yes	Yes	ō	0.09
	Lawrenceville, GA 30045 Gwinnett County		2003 / n/a Family		3BR / 2BA 4BR / 3BA	24 26 140	17.1% 18.6% 100.0%	1,209 1,460	@60% @60%	\$1,129 \$1,251	Yes Yes	Yes Yes	0 0	0.09
3	Magnolia Village	6.8 miles	Garden	@50%, @60%, Market	1BR / 1BA	19	10.0%	975	@50%	\$680	Yes	Yes	0	0.0
	287 East Crogan Lawrenceville, GA 30045		(3 stories) 2002 / n/a		1BR / 1BA 1BR / 1BA	8 9	4.2% 4.7%	975 975	@60% Market	\$825 \$943	Yes N/A	Yes Yes	0	0.09
	Gwinnett County		Family		2BR / 2BA	47	24.7%	1,175	@50%	\$807	Yes	Yes	Ö	0.0
					2BR / 2BA	47	24.7%	1,175	@60%	\$980	Yes	Yes	1	2.19
					2BR / 2BA 3BR / 2BA	24 20	12.6% 10.5%	1,175 1,375	Market @50%	\$1,061 \$894	N/A No	Yes Yes	1 0	0.09
					3BR / 2BA	8	4.2%	1,375	@60%	\$1,134	Yes	Yes	o	0.0
					3BR / 2BA	8	4.2%	1,375	Market	\$1,203	N/A	Yes	0	0.0
4	Plantation Ridge	4.6 miles	Garden	@60%, Market	1BR / 1BA	190 20	9.2%	885	@60%	\$780	No	Yes	0	0.09
•	1022 Level Creek Road		(3 stories)	eco, market	1BR / 1BA	20	9.2%	885	Market	\$973	N/A	No	0	0.0
	Sugar Hill, GA 30518		1998 / n/a		2BR / 2BA	60	27.5%	1,086	@60%	\$943	No	Yes	0	0.0
	Gwinnett County		Family		2BR / 2BA 3BR / 2BA	40 50	18.3% 22.9%	1,086 1,284	Market @60%	\$1,126 \$1,092	N/A No	No Yes	0	0.0
					3BR / 2BA	28	12.8%	1,284	Market	\$1,398	N/A	No	_ 0	0.0
						218	100.0%						0	0.0
5	Reserve At Ivy Creek 1869 Appaloosa Lane	0.7 miles	Garden (3 stories)	@60%, Market	1BR / 1BA 1BR / 1BA	38 4	12.5% 1.3%	975 975	@60% Market	\$818 \$1,023	Yes N/A	Yes Yes	0	0.0
	Buford, GA 30519		2004 / n/a		2BR / 2BA	189	62.0%	1,175	@60%	\$927	Yes	Yes	0	0.0
	Gwinnett County		Family		2BR / 2BA	21	6.9%	1,175	Market	\$1,086	N/A	Yes	0	0.0
					3BR / 2BA	25 28	8.2% 9.2%	1,350 1,350	@60% Market	\$1,148 \$1,193	Yes N/A	Yes	0	0.0
					3BR / 2BA	305	100.0%	1,350	Market	\$1,193	IN/ A	Yes	0	0.0
6	The View At Sugarloaf	4.4 miles	Garden	@50%, @60%, Non-	2BR / 2BA	8	6.2%	974	@50%	\$766	Yes	No	N/A	N/
	5355 Sugarloaf Parkway		(2 stories)	Rental	2BR / 2BA	44 5	33.8%	974	@60% @F0%	\$935	Yes	No	N/A	N/
	Lawrenceville, GA 30043 Gwinnett County		1994 / 2013 Family		3BR / 2BA 3BR / 2BA	8	3.8% 6.2%	1,143 1,197	@50% @50%	\$835 \$870	Yes Yes	No No	N/A N/A	N/ N/
	,				3BR / 2BA	25	19.2%	1,143	@60%	\$1,065	Yes	No	N/A	N/
					3BR / 2BA 3BR / 2BA	39 1	30.0% 0.8%	1,197 1,143	@60% Non-Rental	\$1,065 -	Yes N/A	No No	N/A 0	N/ 0.0
						130	100.0%						3	2.3
7	Preserve At Mill Creek 1400 Mall Of Georgia Blvd	0.9 miles	Garden (4 stories)	Market	1BR / 1BA 1BR / 1BA	30 169	7.5% 42.3%	697 866	Market Market	\$1,058 \$1,168	N/A N/A	None None	2	6.7 0.0
	Buford, GA 30519		2001 / n/a		2BR / 2BA	171	42.8%	1,150	Market	\$1,331	N/A	None	3	1.8
	Gwinnett County		Family		3BR / 2BA	30	7.5%	1,406	Market	\$1,423	N/A	None	0	0.0
8	Preston Hills At Mill Creek	0.7 miles	Garden	Market	1BR / 1BA	400 68	100.0% 14.7%	828	Market	\$1,018	N/A	No	5 2	1.3 2.9
0	2910 Buford Drive	U.7 IIIIles	(1 stories)	iviarket	1BR / 1.5BA	98	21.1%	919	Market	\$1,018	N/A	No	3	3.1
	Buford, GA 30519		2000 / n/a		2BR / 2BA	188	40.5%	1,177	Market	\$1,441	N/A	No	1	0.5
	Gwinnett County		Family		2BR / 2BA	64	13.8%	1,287	Market	\$1,627	N/A	No	4	6.3
					3BR / 2BA	464	9.9%	1,426	Market	\$1,560	N/A	No	12	2.6
9	Summer Park Apartments	0.0 miles	Garden	Market	1BR / 1BA	52	14.5%	676	Market	\$1,053	N/A	No	1	1.9
	1525 Laurel Crossing Parkway		(3 stories)		1BR / 1BA	4	1.1%	697	Market	\$1,093	N/A	No	0	0.0
	Buford, GA 30519 Gwinnett County		2001 / n/a Family		1BR / 1BA 1BR / 1BA	44 12	12.3% 3.4%	792 877	Market Market	\$1,040 \$1,149	N/A N/A	No No	1	2.3
	Socc obunity		· anny		2BR / 1BA	63	17.6%	1,053	Market	\$1,456	N/A	No	2	3.2
					2BR / 1BA	3	0.8%	1,100	Market	\$1,278	N/A	No	0	0.0
					2BR / 2BA 2BR / 2BA	104 36	29.1% 10.1%	1,216 1,241	Market Market	\$1,476 \$1,438	N/A N/A	No No	2	1.9
					3BR / 2BA	30	8.4%	1,411	Market	\$1,548	N/A	No	1	3.3
					3BR / 2BA	10	2.8%	1,451	Market	\$1,456	N/A	No	0	0.0
10	The Overlook At Gwinnett Stadium	1.4 miles	Garden	Market	1BR / 1BA	358 113	100.0% 27.6%	837	Market	\$1,183	N/A	No	7	2.0
	1600 Overlook Park Lane	T IIIIIC3	(4 stories)	WIGHTEL	1BR / 1BA	92	22.4%	746	Market	\$1,103	N/A	No	1	1.3
	Lawrenceville, GA 30043		2009 / n/a		2BR / 2BA	28	6.8%	1,050	Market	\$1,511		No	3	10.
	Gwinnett County		Family		2BR / 2BA 2BR / 2BA	25 49	6.1% 12.0%	1,174 1,175	Market Market	\$1,526 \$1,526		No No	1 1	4.0 2.0
					2BR / 2BA 2BR / 2BA	10	2.4%	1,175	Market	\$1,444	N/A	No	0	0.0
					2BR / 2BA	71 22	17.3%	1,257	Market Market	\$1,541	N/A	No	2	2.8
					3BR / 2BA	410	5.4%	1,401	iviarket	\$1,545	N/A	No	10	2.4
11	The Terraces At Suwanee Gateway	4.3 miles	Garden	Market	1BR / 1BA	134	40.0%	806	Market	\$1,371	N/A	No	0	0.0
	480 Northolt Pkwy Suwanee, GA 30024		(4 stories) 2013 / n/a		2BR / 2BA 3BR / 2BA	154 47	46.0% 14.0%	1,195 1,427	Market Market	\$1,545 \$1,844	N/A N/A	No No	2	1.3
	Gwinnett County		Family		JUN / ZUM			1,721	WILLIAM	¥±,0 <del>44</del>	11/1	INU		
12	The Views At Coolray Field	1.1 miles	Lowrise	Market	1BR / 1BA	335 135	100.0% 65.5%	695	Market	\$1,394	N/A	No	3	2.2
14	755 Braves Avenue	T.T IIIIES	(4 stories)	iviafKet	2BR / 1BA	71	34.5%	1,061	Market	\$2,226		No	3	4.2
	Lawrenceville, GA 30043 Gwinnett County		2015 / n/a Family		,									
	Gwiniett County		1 diffility			206	100.0%						6	2.9

	RENT AND SQUARE	FOOTAGE RANK	ING - All rents adjusted for utilities and concession	ns extracted from	the market.	
	Units Surveyed:	3,380	Weighted Occupancy:	98.4%		
	Market Rate Tax Credit	2,173 1,207	Market Rate Tax Credit	98.1% 99.1%		
	One-Bedroom One Bath	1,201	Two-Bedroom Two Bath	33.1%	Three-Bedroom Two Bath	
	Property	Average	Property	Average	Property	Averag
RENT	The Views At Coolray Field (Market)	\$1,394	The Views At Coolray Field (Market)(1BA)	\$2,226	The Terraces At Suwanee Gateway (Market)	\$1,84
	The Terraces At Suwanee Gateway (Market)	\$1,371	Preston Hills At Mill Creek (Market)	\$1,627	Preston Hills At Mill Creek (Market)	\$1,56
	Preston Hills At Mill Creek (Market)(1.5BA)	\$1,220	The Terraces At Suwanee Gateway (Market)	\$1,545	Summer Park Apartments (Market)	\$1,54
	The Overlook At Gwinnett Stadium (Market)	\$1,183	The Overlook At Gwinnett Stadium (Market)	\$1,541	The Overlook At Gwinnett Stadium (Market)	\$1,54
	Preserve At Mill Creek (Market) Summer Park Apartments (Market)	\$1,168 \$1,149	The Overlook At Gwinnett Stadium (Market) The Overlook At Gwinnett Stadium (Market)	\$1,526 \$1,526	Summer Park Apartments (Market) Preserve At Mill Creek (Market)	\$1,45 \$1,42
	The Overlook At Gwinnett Stadium (Market)	\$1,108	The Overlook At Gwinnett Stadium (Market)	\$1,511	Plantation Ridge (Market)	\$1,39
	Summer Park Apartments (Market)	\$1,093	Summer Park Apartments (Market)	\$1,476	Magnolia Village (Market)	\$1,20
	Preserve At Mill Creek (Market)	\$1,058	Summer Park Apartments (Market)(1BA)	\$1,456	Reserve At Ivy Creek (Market)	\$1,19
	Summer Park Apartments (Market)	\$1,053	The Overlook At Gwinnett Stadium (Market)	\$1,444	Reserve At Ivy Creek (@60%)	\$1,14
	Summer Park Apartments (Market) Reserve At Ivy Creek (Market)	\$1,040 \$1,023	Preston Hills At Mill Creek (Market) Summer Park Apartments (Market)	\$1,441 \$1,438	Magnolia Village (@60%) Ashton Creek Apartments (@60%)	\$1,13 \$1,13
	Preston Hills At Mill Creek (Market)	\$1,018	Preserve At Mill Creek (Market)	\$1,331	Alexander Mill (@60%)	\$1,1
	Plantation Ridge (Market)	\$973	Summer Park Apartments (Market)(1BA)	\$1,278	Plantation Ridge (@60%)	\$1,0
	Magnolia Village (Market)	\$943	Plantation Ridge (Market)	\$1,126	Ivy Ridge (@60%)	\$1,0
	Magnolia Village (@60%)	\$825	Reserve At Ivy Creek (Market)	\$1,086	Ivy Ridge (@60%)	\$1,0
	Ashton Creek Apartments (@60%)	\$820	Magnolia Village (Market)	\$1,061	The View At Sugarloaf (@60%)	\$1,0
	Reserve At Ivy Creek (@60%)  Ivy Ridge (@60%)	\$818 <b>\$782</b>	Ashton Creek Apartments (@60%) Magnolia Village (@60%)	\$981 \$980	The View At Sugarloaf (@60%) Magnolia Village (@50%)	\$1,0 \$89
	lvy Ridge (@60%)	\$782	Alexander Mill (@60%)	\$976	The View At Sugarloaf (@50%)	\$87
	Plantation Ridge (@60%)	\$780	Plantation Ridge (@60%)	\$943	The View At Sugarloaf (@50%)	\$83
	Magnolia Village (@50%)	\$680	The View At Sugarloaf (@60%)	\$935	, , , , , , , , , , , , , , , , , , , ,	
			Ivy Ridge (@60%)	\$934		
			Reserve At Ivy Creek (@60%)	\$927		
			Magnolia Village (@50%)	\$807		
			The View At Sugarloaf (@50%)	\$766		
SQUARE	Magnolia Village (@50%)	975	Preston Hills At Mill Creek (Market)	1,287	Summer Park Apartments (Market)	1,45
FOOTAGE	Magnolia Village (Market)	975	The Overlook At Gwinnett Stadium (Market)	1,257	The Terraces At Suwanee Gateway (Market)	1,42
	Reserve At Ivy Creek (@60%)	975	Summer Park Apartments (Market)	1,241	Preston Hills At Mill Creek (Market)	1,4
	Magnolia Village (@60%)	975	Summer Park Apartments (Market)	1,216	Summer Park Apartments (Market)	1,4
	Reserve At Ivy Creek (Market)	975	The Terraces At Suwanee Gateway (Market)	1,195	Preserve At Mill Creek (Market)	1,40
	Preston Hills At Mill Creek (Market)(1.5BA)	919	The Overlook At Gwinnett Stadium (Market)	1,190	The Overlook At Gwinnett Stadium (Market)	1,40
	Plantation Ridge (@60%) Plantation Ridge (Market)	885 885	Preston Hills At Mill Creek (Market) Magnolia Village (@50%)	1,177 1,175	Magnolia Village (@50%) Magnolia Village (Market)	1,37 1,37
	Summer Park Apartments (Market)	877	The Overlook At Gwinnett Stadium (Market)	1,175	Magnolia Village (@60%)	1,37
	Preserve At Mill Creek (Market)	866	Magnolia Village (Market)	1,175	Reserve At Ivy Creek (Market)	1,35
	The Overlook At Gwinnett Stadium (Market)	837	Magnolia Village (@60%)	1,175	Reserve At Ivy Creek (@60%)	1,35
	Preston Hills At Mill Creek (Market)	828	Reserve At Ivy Creek (Market)	1,175	Plantation Ridge (@60%)	1,28
	Ashton Creek Apartments (@60%)	822	Reserve At Ivy Creek (@60%)	1,175	Plantation Ridge (Market)	1,28
	The Terraces At Suwanee Gateway (Market)	806 792	The Overlook At Gwinnett Stadium (Market) Preserve At Mill Creek (Market)	1,174 1,150	Alexander Mill (@60%)  Ivy Ridge (@60%)	1,28 1,24
	Summer Park Apartments (Market)  Ivy Ridge (@60%)	770	Summer Park Apartments (Market)(1BA)	1,100	Ivy Ridge (@60%)	1,22
	Ivy Ridge (@60%)	754	Alexander Mill (@60%)	1,094	Ashton Creek Apartments (@60%)	1,20
	The Overlook At Gwinnett Stadium (Market)	746	Plantation Ridge (Market)	1,086	The View At Sugarloaf (@60%)	1,1
	Preserve At Mill Creek (Market)	697	Plantation Ridge (@60%)	1,086	The View At Sugarloaf (@50%)	1,1
	Summer Park Apartments (Market)	697	Ashton Creek Apartments (@60%)	1,086	The View At Sugarloaf (@50%)	1,1
	The Views At Coolray Field (Market) Summer Park Apartments (Market)	695 676	Ivy Ridge (@60%) The Views At Coolray Field (Market)(1BA)	1,076 1,061	The View At Sugarloaf (@60%) The View At Sugarloaf (Non-Rental)	1,14 1,14
	Summer Park Apartments (Market)	676	Summer Park Apartments (Market)(1BA)	1,053	The view At Sugarioal (Noti-Rental)	1,1
			The Overlook At Gwinnett Stadium (Market)	1,050		
			The View At Sugarloaf (@60%)	974		
			The View At Sugarloaf (@50%)	974		
DENT DED	The Views At Cookers Field (Manufact)	£0.04	The Views At Cooker: Field (Medical) (A.C.)	60.40	The Terrocce At Courses Continue (Mar.)	\$1.:
RENT PER SQUARE	The Views At Coolray Field (Market) The Terraces At Suwanee Gateway (Market)	\$2.01 \$1.70	The Views At Coolray Field (Market)(1BA) The Overlook At Gwinnett Stadium (Market)	\$2.10 \$1.44	The Terraces At Suwanee Gateway (Market) The Overlook At Gwinnett Stadium (Market)	\$1. \$1.
FOOT	Summer Park Apartments (Market)	\$1.57	Summer Park Apartments (Market) (1BA)	\$1.38	Summer Park Apartments (Market)	\$1.
	Summer Park Apartments (Market)	\$1.56	The Overlook At Gwinnett Stadium (Market)	\$1.30	Preston Hills At Mill Creek (Market)	\$1.
	Preserve At Mill Creek (Market)	\$1.52	The Overlook At Gwinnett Stadium (Market)	\$1.30	Plantation Ridge (Market)	\$1.
1	The Overlook At Gwinnett Stadium (Market)	\$1.49	The Terraces At Suwanee Gateway (Market)	\$1.29	Preserve At Mill Creek (Market)	\$1.
	The Overlook At Gwinnett Stadium (Market)	\$1.41	Preston Hills At Mill Creek (Market)	\$1.26	Summer Park Apartments (Market)	\$1.
	Preserve At Mill Creek (Market)	\$1.35 \$1.33	The Overlook At Gwinnett Stadium (Market) Preston Hills At Mill Creek (Market)	\$1.23 \$1.22	Ashton Creek Apartments (@60%) The View At Sugarloaf (@60%)	\$0 \$0
	Preston Hills At Mill Creek (Market)(1.5BA) Summer Park Apartments (Market)	\$1.33 \$1.31	Summer Park Apartments (Market)	\$1.22 \$1.21	The View At Sugarloaf (@60%) The View At Sugarloaf (@60%)	\$0. \$0.
1	Summer Park Apartments (Market)	\$1.31	The Overlook At Gwinnett Stadium (Market)	\$1.21	Reserve At Ivy Creek (Market)	\$0.
	Preston Hills At Mill Creek (Market)	\$1.23	Summer Park Apartments (Market)(1BA)	\$1.16	Magnolia Village (Market)	\$0.
	Plantation Ridge (Market)	\$1.10	Summer Park Apartments (Market)	\$1.16	Alexander Mill (@60%)	\$0.
	Reserve At Ivy Creek (Market)	\$1.05	Preserve At Mill Creek (Market)	\$1.16	Ivy Ridge (@60%)	\$0.
	Ivy Ridge (@60%)	\$1.04	Plantation Ridge (Market)	\$1.04	Ivy Ridge (@60%)	\$0.
l l	Ivy Ridge (@60%) Ashton Creek Apartments (@60%)	<b>\$1.02</b> \$1.00	The View At Sugarloaf (@60%) Reserve At Ivy Creek (Market)	\$0.96 \$0.92	Plantation Ridge (@60%) Reserve At Ivy Creek (@60%)	\$0. \$0.
	Magnolia Village (Market)	\$0.97	Ashton Creek Apartments (@60%)	\$0.92	Magnolia Village (@60%)	\$0. \$0.
	Plantation Ridge (@60%)	\$0.88	Magnolia Village (Market)	\$0.90	The View At Sugarloaf (@50%)	\$0
1	Magnolia Village (@60%)	\$0.85	Alexander Mill (@60%)	\$0.89	The View At Sugarloaf (@50%)	\$0
	Reserve At Ivy Creek (@60%)	\$0.84	Plantation Ridge (@60%)	\$0.87	Magnolia Village (@50%)	\$0.
	Magnolia Village (@50%)	\$0.70	Ivy Ridge (@60%)	\$0.87		
	Wagiiolia Village (@30%)	******	, ,			
	Wagnolla Village (@30%)	,	Magnolia Village (@60%)	\$0.83		
	wagnona vinage (@30%)		Magnolia Village (@60%) Reserve At Ivy Creek (@60%) The View At Sugarloaf (@50%)	\$0.83 \$0.79 \$0.79		



# PROPERTY PROFILE REPORT

# Alexander Mill

Effective Rent Date 10/18/2018

Location 158 Paper Mill Road

Lawrenceville, GA 30045

**Gwinnett County** 

Distance 6.8 miles
Units 224
Vacant Units 6
Vacancy Rate 2.7%

Type Garden (3 stories)
Year Built/Renovated 2002 / N/A

Marketing Began N/A
Leasing Began N/A
Last Unit Leased 1/07/2007
Major Competitors Magnolia Village

Tenant Characteristics Mixed tenancy, majority families

Contact Name Charlotte
Phone 678-407-9151



#### Utilities Market Information A/C @60% not included -- central Program **Annual Turnover Rate** 25% Cooking not included -- electric not included -- electric Units/Month Absorbed Water Heat N/A **HCV** Tenants 7% Heat not included -- electric Other Electric Leasing Pace Pre-leased to one week not included Annual Chg. in Rent Increased to max Water not included Concession None Sewer not included Waiting List None Trash Collection not included

Unit Mix (face rent)													
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range	
2	2	Garden (3 stories)	157	1,094	\$910	\$0	@60%	No	5	3.2%	yes	None	
3	2	Garden (3 stories)	67	1,280	\$1,040	\$0	@60%	No	1	1.5%	yes	None	

# **Unit Mix**

@60%	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent
2BR / 2BA	\$910	\$0	\$910	\$66	\$976
3BR / 2BA	\$1.040	\$0	\$1.040	\$78	\$1 118

# Alexander Mill, continued

# **Amenities**

In-Unit

Balcony/Patio Blinds
Carpeting Central A/C
Coat Closet Dishwasher
Exterior Storage Ceiling Fan
Garbage Disposal Microwave
Oven Refrigerator
Walk-In Closet Washer/Dryer hookup

Security Services
In-Unit Alarm None
Patrol

Property Premium Other Business Center/Computer Lab Car Wash None None

Clubhouse/Meeting Room/Community Exercise Facility
Central Laundry Off-Street Parking(\$0.00)

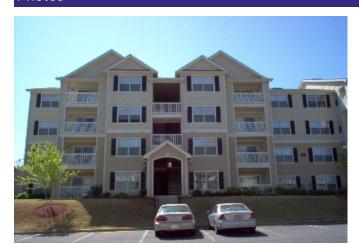
On-Site Management Picnic Area
Playground Swimming Pool

# Comments

The contact stated five of the six vacant units are pre-leased. According to the contact, there is strong demand for affordable housing in the area.

# Alexander Mill, continued

# Photos







# PROPERTY PROFILE REPORT

# Ashton Creek Apartments

10/24/2018 Effective Rent Date

239 New Hope Road Location

Lawrenceville, GA 30045

**Gwinnett County** 

Distance 7.1 miles Units 140 0 Vacant Units Vacancy Rate 0.0%

Garden (3 stories) Type Year Built/Renovated 2003 / N/A Marketing Began 1/01/2003 3/01/2003 Leasing Began Last Unit Leased 11/01/2003

**Major Competitors** Alexander Mill, Magnolia Village

**Tenant Characteristics** Mixed tenancy, families

Contact Name Marya

Unit Mix

4BR / 3BA

\$1,175

Phone 770-963-6877



included

#### **Utilities** Market Information A/C @60% not included -- central Program Annual Turnover Rate 26% Cooking not included -- gas Units/Month Absorbed Water Heat not included -- gas 18 **HCV** Tenants 20% Heat not included -- gas Leasing Pace Immediately Other Electric not included Annual Chg. in Rent Increased to max Water not included Concession not included None Sewer Waiting List Yes; unknown length

Trash Collection

Unit Mix (face rent)												
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
1	1	Garden (3 stories)	32	822	\$777	\$0	@60%	Yes	0	0.0%	yes	None
2	2	Garden (3 stories)	58	1,086	\$930	\$0	@60%	Yes	0	0.0%	yes	None
3	2	Garden (3 stories)	24	1,209	\$1,066	\$0	@60%	Yes	0	0.0%	yes	None
4	3	Garden (3 stories)	26	1,460	\$1,175	\$0	@60%	Yes	0	0.0%	yes	None

#### @60% Face Rent Concd. Rent Util. Adj. Adj. Rent Conc. 1BR / 1BA \$777 \$820 \$777 \$0 \$43 \$930 \$981 2BR / 2BA \$930 \$0 \$51 3BR / 2BA \$1,066 \$0 \$1,066 \$63 \$1,129

\$1,175

\$76

\$1,251

\$0

# Ashton Creek Apartments, continued

# **Amenities**

In-Unit Balcony/Patio Carpeting Coat Closet Ceiling Fan

Blinds Central A/C Dishwasher Garbage Disposal Refrigerator

Security Limited Access Patrol

Perimeter Fencing

Services None

Oven Walk-In Closet

Washer/Dryer hookup

Property

Business Center/Computer Lab Clubhouse/Meeting Room/Community Off-Street Parking(\$0.00)

Picnic Area Swimming Pool Car Wash Exercise Facility On-Site Management Playground

Premium None

Other None

# Comments

The property maintains a waiting list though the contact was unable to disclose the length. Washer/dryers are available to rent for \$45 to \$50 per month. Contact was unable to provide the current utilization rate for washer/dryers.

# PROPERTY PROFILE REPORT

# Magnolia Village

Effective Rent Date 10/24/2018

Location 287 East Crogan

Lawrenceville, GA 30045

**Gwinnett County** 

Distance 6.7 miles
Units 190
Vacant Units 2
Vacancy Rate 1.1%

Type Garden (3 stories)
Year Built/Renovated 2002 / N/A

Marketing Began N/A
Leasing Began N/A
Last Unit Leased N/A

Major Competitors Alexander Mills

Tenant Characteristics Mixed tenancy; five percent or less seniors

Contact Name Hercules
Phone 770-237-3910



#### Market Information **Utilities** A/C @50%, @60%, Market not included -- central Program **Annual Turnover Rate** 13% Cooking not included -- electric not included -- electric Units/Month Absorbed 5 to 8 Water Heat **HCV** Tenants 10% Heat not included -- electric Other Electric Leasing Pace Pre-leased not included Annual Chg. in Rent Increased to max Water not included Concession None not included Sewer Waiting List Over 500 households Trash Collection not included

Unit Mix (face rent)												
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
1	1	Garden (3 stories)	19	975	\$622	\$0	<i>@</i> 50%	Yes	0	0.0%	yes	None
1	1	Garden (3 stories)	8	975	\$767	\$0	@60%	Yes	0	0.0%	yes	None
1	1	Garden (3 stories)	9	975	\$885	\$0	Market	Yes	0	0.0%	N/A	None
2	2	Garden (3 stories)	47	1,175	\$741	\$0	<i>@</i> 50%	Yes	0	0.0%	yes	None
2	2	Garden (3 stories)	47	1,175	\$914	\$0	@60%	Yes	1	2.1%	yes	None
2	2	Garden (3 stories)	24	1,175	\$995	\$0	Market	Yes	1	4.2%	N/A	None
3	2	Garden (3 stories)	20	1,375	\$816	\$0	@50%	Yes	0	0.0%	no	None
3	2	Garden (3 stories)	8	1,375	\$1,056	\$0	@60%	Yes	0	0.0%	yes	None
3	2	Garden (3 stories)	8	1,375	\$1,125	\$0	Market	Yes	0	0.0%	N/A	None

# Magnolia Village, continued

<b>Unit Mix</b>											
<i>@</i> 50%	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent	@60%	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent
1BR / 1BA	\$622	\$0	\$622	\$58	\$680	1BR / 1BA	\$767	\$0	\$767	\$58	\$825
2BR / 2BA	\$741	\$0	\$741	\$66	\$807	2BR / 2BA	\$914	\$0	\$914	\$66	\$980
3BR / 2BA	\$816	\$0	\$816	\$78	\$894	3BR / 2BA	\$1,056	\$0	\$1,056	\$78	\$1,134
Market	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent						
1BR / 1BA	\$885	\$0	\$885	\$58	\$943						
2BR / 2BA	\$995	\$0	\$995	\$66	\$1,061						
3BR / 2BA	\$1,125	\$0	\$1,125	\$78	\$1,203						

# **Amenities**

In-Unit

Balcony/Patio Blinds
Carpeting Central A/C
Coat Closet Dishwasher
Exterior Storage Garbage Disposal
Oven Refrigerator
Walk-In Closet Washer/Dryer hookup

Property
Car Wash Clubhouse/Meeting Room/Community
Exercise Facility Central Laundry
Off-Street Parking(\$0.00) On-Site Management
Playground Swimming Pool
Tennis Court

Security
Limited Access
Patrol
Perimeter Fencing

Perimeter Fencing

Services Afterschool Program

Premium Other None None

# Comments

According to the contact the property runs an extensive waiting list for all unit types with over 500 households. The contact reported high demand for both affordable and market rate housing in the local area. The vacant two-bedroom unit at 60 percent of AMI is pre-leased. Over the past year, rents for all affordable units have increased to kept at the maximum allowable levels, with the exception of the three-bedroom units at 50 percent of AMI, which have remained stable. Market rate rents have increased between \$30 and \$75. The contact estimated the number of parking spaces at two spaces per unit.

# Magnolia Village, continued

# Photos









## Plantation Ridge

Effective Rent Date 10/15/2018

Location 1022 Level Creek Road

Sugar Hill, GA 30518 Gwinnett County

Distance 4.6 miles
Units 218
Vacant Units 0
Vacancy Rate 0.0%

Type Garden (3 stories)
Year Built/Renovated 1998 / N/A

Marketing Began N/A
Leasing Began N/A
Last Unit Leased N/A

Major Competitors Reserve at Ivy Creek
Tenant Characteristics Did not disclose

Contact Name Maria

Unit Miv

Phone 678.482.9800



#### Utilities Market Information A/C @60%, Market not included -- central Program **Annual Turnover Rate** 11% Cooking not included -- electric not included -- electric Units/Month Absorbed N/A Water Heat **HCV** Tenants 6% Heat not included -- electric Other Electric Leasing Pace Pre-leased not included Annual Chg. in Rent Kept at max Water not included Concession None Sewer not included Waiting List Ten households for LIHTC units Trash Collection included

Unit Mi	x (face r	ent)										
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
1	1	Garden (3 stories)	20	885	\$737	\$0	@60%	Yes	0	0.0%	no	None
1	1	Garden (3 stories)	20	885	\$930	\$0	Market	No	0	0.0%	N/A	None
2	2	Garden (3 stories)	60	1,086	\$892	\$0	@60%	Yes	0	0.0%	no	None
2	2	Garden (3 stories)	40	1,086	\$1,075	\$0	Market	No	0	0.0%	N/A	None
3	2	Garden (3 stories)	50	1,284	\$1,029	\$0	@60%	Yes	0	0.0%	no	None
3	2	Garden (3 stories)	28	1,284	\$1,335	\$0	Market	No	0	0.0%	N/A	None

UTIIL IVIIX											i i	
@60%	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent	Market	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent	
1BR / 1BA	\$737	\$0	\$737	\$43	\$780	1BR / 1BA	\$930	\$0	\$930	\$43	\$973	
2BR / 2BA	\$892	\$0	\$892	\$51	\$943	2BR / 2BA	\$1,075	\$0	\$1,075	\$51	\$1,126	
3BR / 2BA	\$1,029	\$0	\$1,029	\$63	\$1,092	3BR / 2BA	\$1,335	\$0	\$1,335	\$63	\$1,398	

## Plantation Ridge, continued

## **Amenities**

In-Unit Balcony/Patio Blinds Carpeting Central A/C Coat Closet Dishwasher Exterior Storage Ceiling Fan Garbage Disposal Oven Walk-In Closet Refrigerator

Security Services In-Unit Alarm None Patrol

Washer/Dryer hookup

Other Premium Property Clubhouse/Meeting Room/Community Exercise Facility None None

Central Laundry Off-Street Parking(\$0.00) On-Site Management Picnic Area Playground Swimming Pool

### Comments

The contact reported strong demand for affordable housing in the local area. There are currently ten households on the waiting list for the one, two, and threebedroom units at 60 percent of AMI. LIHTC rents are currently set at 2017 maximum allowable levels and the contact was unable to comment on when rents would be increased to 2018 maximum levels. The contact estimated the number of parking spaces at one space per unit plus 10 visitor parking spaces.

# Plantation Ridge, continued

# Photos











## Reserve At Ivy Creek

Effective Rent Date 10/15/2018

Location 1869 Appaloosa Lane

Buford, GA 30519 Gwinnett County

Distance 0.8 miles
Units 305
Vacant Units 0
Vacancy Rate 0.0%

Type Garden (3 stories)
Year Built/Renovated 2004 / N/A

Marketing Began N/A
Leasing Began N/A
Last Unit Leased N/A

Major Competitors Amley Properties, Summer Park

Tenant Characteristics Diverse mix
Contact Name Enrique
Phone 770.831.7904



#### Utilities Market Information A/C @60%, Market not included -- central Program **Annual Turnover Rate** 12% Cooking not included -- electric not included -- electric Units/Month Absorbed N/A Water Heat **HCV** Tenants 8% Heat not included -- electric Other Electric Leasing Pace Pre-leased not included Annual Chg. in Rent Increased to max Water not included Concession None Sewer not included Trash Collection Waiting List Yes: over 200 households. not included

Unit Mix	x (face r	ent)										
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
1	1	Garden (3 stories)	38	975	\$760	\$0	@60%	Yes	0	0.0%	yes	None
1	1	Garden (3 stories)	4	975	\$965	\$0	Market	Yes	0	0.0%	N/A	None
2	2	Garden (3 stories)	189	1,175	\$921	\$60	@60%	Yes	0	0.0%	yes	None
2	2	Garden (3 stories)	21	1,175	\$1,020	\$0	Market	Yes	0	0.0%	N/A	None
3	2	Garden (3 stories)	25	1,350	\$1,070	\$0	@60%	Yes	0	0.0%	yes	None
3	2	Garden (3 stories)	28	1,350	\$1,115	\$0	Market	Yes	0	0.0%	N/A	None

Unit IVIIX												
@60%	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent	Market	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent	
1BR / 1BA	\$760	\$0	\$760	\$58	\$818	1BR / 1BA	\$965	\$0	\$965	\$58	\$1,023	
2BR / 2BA	\$921	\$60	\$861	\$66	\$927	2BR / 2BA	\$1,020	\$0	\$1,020	\$66	\$1,086	
3BR / 2BA	\$1,070	\$0	\$1,070	\$78	\$1,148	3BR / 2BA	\$1,115	\$0	\$1,115	\$78	\$1,193	

## Reserve At Ivy Creek, continued

## **Amenities**

In-Unit

Balcony/Patio Carpeting Dishwasher

Blinds Central A/C Garbage Disposal Refrigerator Washer/Dryer hookup Security In-Unit Alarm Limited Access

Patrol

Services

Afterschool Program

Property

Walk-In Closet

Basketball Court Car Wash

Business Center/Computer Lab **Exercise Facility** Garage(\$0.00) Central Laundry Off-Street Parking(\$0.00) On-Site Management Playground Swimming Pool

Premium None

Other None

#### Comments

The contact reported that this property is achieving 2018 maximum allowable rents. The tenant pays for all utilities including trash, which is included in the water/sewer bill from the city. Housing Choice Vouchers are accepted at the property; the contact stated they currently have 25 tenants utilizing vouchers. The contact estimated the number of parking spaces at one space per unit plus 10 visitor parking spaces. There are 18 garages available for an additional \$60 per month, all of which are currently utilized.

## The View At Sugarloaf

Effective Rent Date 10/25/2018

Location 5355 Sugarloaf Parkway

Lawrenceville, GA 30043

**Gwinnett County** 

Distance 4.4 miles
Units 130
Vacant Units 3
Vacancy Rate 2.3%

Type Garden (2 stories) Year Built/Renovated 1994 / 2013

Marketing Began N/A
Leasing Began N/A
Last Unit Leased N/A

Major Competitors Palisades Club, Herrington Woods, Magnolia

Pointe

None

Tenant Characteristics N/A
Contact Name Sonny

Waiting List

Phone 770-339-6800



included

#### Market Information **Utilities** A/C Program @50%, @60%, Non-Rental not included -- central 9% Annual Turnover Rate Cooking not included -- electric Units/Month Absorbed N/A Water Heat not included -- electric **HCV** Tenants 15% Heat not included -- electric Leasing Pace Other Electric not included Pre-leased to one week Annual Chg. in Rent See comments Water included Concession None Sewer included

Unit Mix	x (face r	ent)										
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
2	2	Garden (2 stories)	8	974	\$766	\$0	@50%	No	N/A	N/A	yes	None
2	2	Garden (2 stories)	44	974	\$935	\$0	@60%	No	N/A	N/A	yes	None
3	2	Garden (2 stories)	5	1,143	\$835	\$0	@50%	No	N/A	N/A	yes	None
3	2	Garden (2 stories)	8	1,197	\$870	\$0	@50%	No	N/A	N/A	yes	None
3	2	Garden (2 stories)	25	1,143	\$1,065	\$0	@60%	No	N/A	N/A	yes	None
3	2	Garden (2 stories)	39	1,197	\$1,065	\$0	@60%	No	N/A	N/A	yes	None
3	2	Garden (2 stories)	1	1,143	N/A	\$0	Non-Rental	No	0	0.0%	N/A	None

Trash Collection

Unit Mix												
@50% 2BR / 2BA 3BR / 2BA	Face Rent \$766 \$835 - \$870	Conc. \$0 \$0	Concd. Rent \$766 \$835 - \$870	Util. Adj. \$0 \$0	Adj. Rent \$766 \$835 - \$870	@60% 2BR / 2BA 3BR / 2BA	Face Rent \$935 \$1,065	Conc. \$0 \$0	Concd. Rent \$935 \$1,065	Util. Adj. \$0 \$0	Adj. Rent \$935 \$1,065	
Non-Rental 3BR / 2BA	Face Rent N/A	Conc. \$0	Concd. Rent N/A	Util. Adj. \$0	Adj. Rent N/A							

## The View At Sugarloaf, continued

## **Amenities**

In-Unit

Balcony/Patio Blinds
Carpeting Central A/C
Coat Closet Dishwasher
Exterior Storage Ceiling Fan
Garbage Disposal Oven
Refrigerator Walk-In Closet

Security None Services

Afterschool Program

Washer/Dryer hookup

Property
Basketball Court Clubhouse/Meeting Room/Community

Central Laundry Off-Street Parking (\$0.00)

On-Site Management Picnic Area
Playground Volleyball Court

Premium None Other None

## Comments

This property was formerly known as Tanglewood Park. The contact reported strong demand for affordable housing in the area. There are currently no units vacant at 50 percent of AMI. Units at 50 percent of AMI have increased between 6.4 and 7.8 percent over the past year, while units at 60 percent of AMI have increased between 8.1 and 13.3 percent. The property does not have a waiting list and accepts applications on a first come first serve basis.

## Preserve At Mill Creek

Effective Rent Date 10/22/2018

Location 1400 Mall Of Georgia Blvd

Buford, GA 30519 Gwinnett County

Distance 0.7 miles
Units 400
Vacant Units 5
Vacancy Rate 1.3%

Type Garden (4 stories)
Year Built/Renovated 2001 / N/A

Marketing Began N/A
Leasing Began N/A
Last Unit Leased N/A

Major Competitors The Glens @ Mill Creek, Summer Park, Preston

Hills

Tenant Characteristics Mixed tenancy, most come from locally

Contact Name Vanessa
Phone 678.714.9333



#### Market Information **Utilities** A/C Program Market not included -- central 18% Annual Turnover Rate Cooking not included -- electric Units/Month Absorbed N/A Water Heat not included -- electric **HCV** Tenants 0% Heat not included -- electric Leasing Pace Other Electric not included One week Annual Chg. in Rent Increased 2.7 to 6.4 percent Water not included Concession None Sewer not included Waiting List None Trash Collection not included

Unit Mix	(face r	ent)										
Beds	Baths	Type	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
1	1	Garden (4 stories)	30	697	\$1,000	\$0	Market	None	2	6.7%	N/A	None
1	1	Garden (4 stories)	169	866	\$1,110	\$0	Market	None	0	0.0%	N/A	None
2	2	Garden (4 stories)	171	1,150	\$1,265	\$0	Market	None	3	1.8%	N/A	None
3	2	Garden (4 stories)	30	1,406	\$1,345	\$0	Market	None	0	0.0%	N/A	None

## **Unit Mix**

Market	Face Rent	Conc.	Concd. Rent L	Itil. Ad	j. Adj. Rent
1BR / 1BA	\$1,000 - \$1,110	\$0	\$1,000 - \$1,110	\$58	\$1,058 - \$1,168
2BR / 2BA	\$1,265	\$0	\$1,265	\$66	\$1,331
3BR / 2BA	\$1,345	\$0	\$1,345	\$78	\$1,423

## Preserve At Mill Creek, continued

## Amenities

In-Unit

Balcony/Patio Blinds
Carpeting Central A/C
Coat Closet Dishwasher
Exterior Storage Ceiling Fan
Fireplace Garbage Disposal
Oven Refrigerator
Walk-In Closet Washer/Dryer hookup

Security Services
Limited Access None
Patrol
Perimeter Fencing

Property
Business Center/Computer Lab Clubhouse/Meeting Room/Community

Exercise Facility Garage(\$95.00)

Off-Street Parking(\$0.00)

Playground
Tennis Court

Garage(\$95.00)

On-Site Management
Swimming Pool

Premium Other None None

## Comments

This property does not accept Housing Choice Vouchers. The contact stated two of the five vacant units are pre-leased. Detached garage parking is available for an additional monthly fee of \$100, the contact did not know the number of garages the property offers but reported a utilization rate of 100 percent.

## Preston Hills At Mill Creek

Effective Rent Date 10/18/2018

Location 2910 Buford Drive

Buford, GA 30519 Gwinnett County

 Distance
 0.5 miles

 Units
 464

 Vacant Units
 12

 Vacancy Rate
 2.6%

 Type
 Garden

 Year Built/Renovated
 2000 / N/A

Marketing Began N/A
Leasing Began N/A
Last Unit Leased N/A

Major CompetitorsNone IdentifiedTenant CharacteristicsMixed tenancyContact NameRonaldoPhone678-482-5995



## Market Information Utilities

A/C Market not included -- central Program **Annual Turnover Rate** 48% Cooking not included -- electric not included -- electric Units/Month Absorbed N/A Water Heat **HCV** Tenants 0% Heat not included -- electric

Other Electric Leasing Pace One to two weeks not included Annual Chg. in Rent Increased 5.5 to 27.9 percent Water not included Concession None Sewer not included Waiting List Trash Collection None not included

Unit Mix	x (face re	ent)										
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
1	1	Garden	68	828	\$960	\$0	Market	No	2	2.9%	N/A	None
1	1.5	Garden	98	919	\$1,162	\$0	Market	No	3	3.1%	N/A	None
2	2	Garden	188	1,177	\$1,375	\$0	Market	No	1	0.5%	N/A	None
2	2	Garden	64	1,287	\$1,561	\$0	Market	No	4	6.2%	N/A	None
3	2	Garden	46	1,426	\$1,482	\$0	Market	No	2	4.3%	N/A	None

## **Unit Mix**

Market	Face Rent	Conc.	Concd. Rent	Util. Adj	. Adj. Rent
1BR / 1BA	\$960	\$0	\$960	\$58	\$1,018
1BR / 1.5BA	\$1,162	\$0	\$1,162	\$58	\$1,220
2BR / 2BA	\$1,375 - \$1,561	\$0	\$1,375 - \$1,561	\$66	\$1,441 - \$1,627
3BR / 2BA	\$1,482	\$0	\$1,482	\$78	\$1,560

## Preston Hills At Mill Creek, continued

## **Amenities**

In-Unit

Balcony/Patio Blinds
Carpeting Central A/C
Coat Closet Dishwasher
Ceiling Fan Fireplace
Garbage Disposal Microwave
Oven Refrigerator
Walk-In Closet Washer/Dryer hookup

Security
Limited Access
Perimeter Fencing

Services None

Property

Business Center/Computer Lab
Clubhouse/Meeting Room/Community
Exercise Facility
Garage(\$0.00)
Jacuzzi
Central Laundry
Off-Street Parking(\$0.00)
Picnic Area
Swimming Pool
Volleyball Court

Premium None Other None

## Comments

Detatched garage parking is available for an additional monthly fee of \$75; the contact did not know the number of garages the property offers but reported a utilization rate of 90 percent. Since our last interview with this property, the 1BR/1.5BA units have increased by 27.9 percent. The remaining units increased between 5.5 and 8.8 percent. This property does not accept Housing Choice Vouchers.

## **Summer Park Apartments**

Effective Rent Date 10/18/2018

Location 1525 Laurel Crossing Parkway Buford, GA 30519

Gwinnett County

Distance 0.1 miles
Units 358
Vacant Units 7
Vacancy Rate 2.0%

Type Garden (3 stories)
Year Built/Renovated 2001 / N/A

Marketing Began N/A
Leasing Began N/A
Last Unit Leased N/A

Major Competitors Preston Hills at Mill Creek

Tenant Characteristics Mixed tenancy, most come from locally

Contact Name Michael Phone 678-482-1555



#### Market Information **Utilities** A/C Market not included -- central Program **Annual Turnover Rate** 32% Cooking not included -- electric not included -- electric Units/Month Absorbed N/A Water Heat **HCV** Tenants 0% Heat not included -- electric Other Electric Leasing Pace One to two weeks not included Annual Chg. in Rent Decrease 5.5 - increased 33.0 percent Water not included Concession None Sewer not included Waiting List None Trash Collection not included

Unit Mix	(face r	ent)										
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
1	1	Garden (3 stories)	52	676	\$995	\$0	Market	No	1	1.9%	N/A	None
1	1	Garden (3 stories)	4	697	\$1,035	\$0	Market	No	0	0.0%	N/A	None
1	1	Garden (3 stories)	44	792	\$982	\$0	Market	No	1	2.3%	N/A	None
1	1	Garden (3 stories)	12	877	\$1,091	\$0	Market	No	0	0.0%	N/A	None
2	1	Garden (3 stories)	63	1,053	\$1,390	\$0	Market	No	2	3.2%	N/A	None
2	1	Garden (3 stories)	3	1,100	\$1,212	\$0	Market	No	0	0.0%	N/A	None
2	2	Garden (3 stories)	104	1,216	\$1,410	\$0	Market	No	2	1.9%	N/A	None
2	2	Garden (3 stories)	36	1,241	\$1,372	\$0	Market	No	0	0.0%	N/A	None
3	2	Garden (3 stories)	30	1,411	\$1,470	\$0	Market	No	1	3.3%	N/A	None
3	2	Garden (3 stories)	10	1,451	\$1,378	\$0	Market	No	0	0.0%	N/A	None

## Summer Park Apartments, continued

## **Unit Mix**

Market	Face Rent	Conc.	Concd. Rent L	Jtil. Adj.	Adj. Rent
1BR / 1BA	\$982 - \$1,091	\$0	\$982 - \$1,091	\$58 \$	1,040 - \$1,149
2BR / 1BA	\$1,212 - \$1,390	\$0	\$1,212 - \$1,390	\$66 \$	1,278 - \$1,456
2BR / 2BA	\$1,372 - \$1,410	\$0	\$1,372 - \$1,410	\$66 \$	1,438 - \$1,476
3BR / 2BA	\$1,378 - \$1,470	\$0	\$1,378 - \$1,470	\$78 \$	1,456 - \$1,548

## **Amenities**

In-Unit Balcony/Patio Blinds Carpeting Central A/C Dishwasher Ceiling Fan Fireplace Microwave Refrigerator

Garbage Disposal Oven Vaulted Ceilings Walk-In Closet Washer/Dryer hookup

Property Business Center/Computer Lab **Exercise Facility** Off-Street Parking(\$0.00) Picnic Area Swimming Pool

Security Limited Access Patrol

Perimeter Fencing

Premium

Other None

Services

None

## Comments

This property does not accept Housing Choice Vouchers. Garage parking and exterior storage are available for an additional monthly fee of \$100 and \$50, respectively, all of which are being 100 percent utilized. The contact stated two of the seven vacant units are pre-leased. Since our last interview in the fourth quarter of 2017, rents for the 2BR/1BA at 1,053 square feet and the 2BR/2BA at 1,216 square feet have increased by 33.0 and 20.5 percent, respectively. Conversely, the 3BR/2BA at 1,451 square feet have decreased approximately five percent. The remaining units experienced moderate increases ranging from approximately two to five percent.

Clubhouse/Meeting Room/Community

Central Laundry

Tennis Court

On-Site Management Playground

# Summer Park Apartments, continued

# Photos











## The Overlook At Gwinnett Stadium

Effective Rent Date 10/18/2018

1600 Overlook Park Lane Location

Lawrenceville, GA 30043

**Gwinnett County** 

Distance 1.3 miles Units 410 Vacant Units 10 2.4% Vacancy Rate

Garden (4 stories) Type Year Built/Renovated 2009 / N/A

Marketing Began N/A Leasing Began N/A Last Unit Leased N/A

**Major Competitors** The Views at Coolray Field

**Tenant Characteristics** Mixed tenancy, most from surrounding

counties

Contact Name Jenieve Phone 770.962.4533



## Market Information

#### **Utilities** A/C Program Market not included -- central 29% Annual Turnover Rate Cooking not included -- electric Units/Month Absorbed N/A Water Heat not included -- electric **HCV** Tenants 0% Heat not included -- electric Leasing Pace Other Electric not included Two to three weeks

Annual Chg. in Rent Increased 4.0 - 20.4 percent Water not included Concession None Sewer not included Waiting List None Trash Collection not included

Unit Mix	(face r	ent)										
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range
1	1	Garden (4 stories)	113	837	\$1,125	\$0	Market	No	2	1.8%	N/A	None
1	1	Garden (4 stories)	92	746	\$1,050	\$0	Market	No	1	1.1%	N/A	None
2	2	Garden (4 stories)	28	1,050	\$1,445	\$0	Market	No	3	10.7%	N/A	None
2	2	Garden (4 stories)	25	1,174	\$1,460	\$0	Market	No	1	4.0%	N/A	None
2	2	Garden (4 stories)	49	1,175	\$1,460	\$0	Market	No	1	2.0%	N/A	None
2	2	Garden (4 stories)	10	1,190	\$1,378	\$0	Market	No	0	0.0%	N/A	None
2	2	Garden (4 stories)	71	1,257	\$1,475	\$0	Market	No	2	2.8%	N/A	None
3	2	Garden (4 stories)	22	1,401	\$1,467	\$0	Market	No	0	0.0%	N/A	None

## **Unit Mix**

Market	Face Rent	Conc.	Concd. Rent U	Jtil. Adj.	Adj. Rent
1BR / 1BA	\$1,050 - \$1,125	\$0	\$1,050 - \$1,125	\$58 \$	1,108 - \$1,183
2BR / 2BA	\$1,378 - \$1,475	\$0	\$1,378 - \$1,475	\$66 \$	1,444 - \$1,541
3BR / 2BA	\$1,467	\$0	\$1,467	\$78	\$1,545

## The Overlook At Gwinnett Stadium, continued

## **Amenities**

In-Unit

Balcony/Patio Blinds
Cable/Satellite/Internet Carpeting
Central A/C Dishwasher
Garbage Disposal Microwave
Oven Refrigerator
Walk-In Closet Washer/Dryer hookup

Security Services Limited Access None

Other

None

Property

Business Center/Computer Lab Clubhouse/Meeting Room/Community

Elevators Exercise Facility

Central Laundry Off-Street Parking(\$0.00)

On-Site Management Swimming Pool

Tennis Court

### Comments

This property does not accept Housing Choice Vouchers. Garage parking is available for an additional monthly fee of \$125, however the contact could not provide the number or utilization rate.

Premium

None

# The Overlook At Gwinnett Stadium, continued

# Photos





## The Terraces At Suwanee Gateway

10/18/2018 Effective Rent Date

480 Northolt Pkwy Location

Suwanee, GA 30024

**Gwinnett County** 

Distance 4 miles Units 335 2 Vacant Units Vacancy Rate 0.6%

Type Garden (4 stories) Year Built/Renovated 2013 / N/A

Marketing Began N/A Leasing Began N/A Last Unit Leased N/A

**Major Competitors** Preserve at Mill Creek

**Tenant Characteristics** Mostly families from surrounding counties

Contact Name Tracy

Phone 678-482-8686



#### **Market Information Utilities** A/C Market not included -- central Program Annual Turnover Rate 15% Cooking not included -- electric not included -- electric Units/Month Absorbed N/A Water Heat **HCV** Tenants 0% Heat not included -- electric Other Electric Leasing Pace One to two weeks not included Annual Chg. in Rent Decrease 9.5 - increased 6.9 percent Water not included Concession None not included Sewer Waiting List None Trash Collection not included

Unit Mix	Unit Mix (face rent)												
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range	
1	1	Garden (4 stories)	134	806	\$1,313	\$0	Market	No	0	0.0%	N/A	None	
2	2	Garden (4 stories)	154	1,195	\$1,479	\$0	Market	No	2	1.3%	N/A	None	
3	2	Garden (4 stories)	47	1,427	\$1,766	\$0	Market	No	0	0.0%	N/A	None	

#### **Unit Mix** Face Rent Concd. Rent Util. Adj. Adj. Rent Market Conc. 1BR / 1BA \$1,313 \$0 \$1,313 \$58 \$1,371 2BR / 2BA \$0 \$1,479 \$1,479 \$1,545 \$66

\$1,766

\$78

\$1,844

\$0

3BR / 2BA

\$1,766

## The Terraces At Suwanee Gateway, continued

## **Amenities**

In-Unit

Blinds Carpeting
Central A/C Dishwasher
Ceiling Fan Garbage Disposal
Microwave Oven

Refrigerator Walk-In Closet Washer/Dryer Washer/Dryer hookup

Property
Business Center/Computer Lab Clubhouse/Meeting Room/Community

Courtyard Elevators
Exercise Facility Central Laundry
Off-Street Parking(\$0.00) On-Site Management
Picnic Area Swimming Pool

Security Patrol

Premium

None

Services None

Other

Billiards room

## Comments

Garage parking is available for an additional monthly fee of \$125. This property includes additional premium amenities, including recreation areas, a billiards room, resident movie theatre, a car wash, and in-unit alarms. This property does not accept Housing Choice Vouchers.

## The Views At Coolray Field

Effective Rent Date 10/18/2018

Location 755 Braves Avenue

Lawrenceville, GA 30043 Gwinnett County

Intersection: Buford Drive

Distance 1 mile
Units 206
Vacant Units 6
Vacancy Rate 2.9%

Type Lowrise (4 stories)
Year Built/Renovated 2015 / N/A

Marketing Began N/A
Leasing Began N/A

Leasing Began N/A
Last Unit Leased N/A

Major Competitors The Overlook at Gwinnett Stadium

Tenant Characteristics Mostly singles from surrounding counties

Contact Name Shaquala
Phone 404-596-8118



not included

#### Utilities **Market Information** Market A/C not included -- central Annual Turnover Rate 17% Cooking not included -- electric Units/Month Absorbed n/a Water Heat not included -- electric **HCV** Tenants 0% Heat not included -- electric Leasing Pace Within one month Other Electric not included Annual Chg. in Rent Increased 3.2 to 3.9% Water not included Concession None Sewer not included

Unit Mi	Unit Mix (face rent)												
Beds	Baths	Туре	Units	Size (SF)	Rent	Concession (monthly)	Restriction	Waiting List	Vacant	Vacancy Rate	Max Rent?	Range	
1	1	Lowrise (4 stories)	135	695	\$1,336	\$0	Market	No	3	2.2%	N/A	None	
2	1	Lowrise (4 stories)	71	1,061	\$2,160	\$0	Market	No	3	4.2%	N/A	None	

Trash Collection

## Unit Mix

Waiting List

Market	Face Rent	Conc.	Concd. Rent	Util. Adj.	Adj. Rent
1BR / 1BA	\$1,336	\$0	\$1,336	\$58	\$1,394
2BR / 1BA	\$2.160	\$0	\$2 160	\$66	\$2 226

None

## The Views At Coolray Field, continued

## Amenities

 In-Unit

 Balcony/Patio
 Blinds

 Carpet/Hardwood
 Carpeting

 Central A/C
 Coat Closet

 Dishwasher
 Ceiling Fan

 Microwave
 Oven

Refrigerator Washer/Dryer hookup

Property
Business Center/Computer Lab Clubhouse/Meeting Room/Community

Courtyard Elevators
Exercise Facility Garage(\$75.00)
Off-Street Parking(\$0.00) On-Site Management
Picnic Area Recreation Areas
Swimming Pool Theatre

Security Intercom (Buzzer) Intercom (Phone) Limited Access Video Surveillance

Premium View

Services

None

Other None

## Comments

This property does not accept Housing Choice Vouchers. The contact could not provide absorption information. This property offers exterior storage for an additional monthly fee of \$35 to \$75, depending on the size, however could not comment on the amount or utilization rate.

# The Views At Coolray Field, continued

# Photos







## 2. The following information is provided as required by DCA

#### **Housing Choice Vouchers**

We spoke with Sharon El, Administrative Assistant with the Georgia Department of Community Affairs, to gather information pertaining to the use of Housing Choice Vouchers. Ms. El reported that the Housing Authority currently issues 17,000 Housing Choice Vouchers to 149 counties throughout Georgia, 15,877 of which are in use, including 1,149 in Gwinnett County. The waiting list is currently closed and consists of 20,525 households. The waiting list is purged annually. The following table illustrates voucher usage at the comparables.

#### **TENANTS WITH VOUCHERS**

Property Name	Rent Structure	Housing Choice Voucher Tenants
Alexander Mill*	LIHTC	7%
Ashton Creek Apartments*	LIHTC	20%
Magnolia Village*	LIHTC/ Market	10%
Plantation Ridge	LIHTC/ Market	6%
Reserve At Ivy Creek	LIHTC/ Market	8%
The View At Sugarloaf	LIHTC	15%
Preserve At Mill Creek	Market	0%
Preston Hills At Mill Creek	Market	0%
Summer Park Apartments	Market	0%
The Overlook At Gwinnett Stadium	Market	0%
The Terraces At Suwanee Gateway	Market	0%
The Views At Coolray Field	Market	0%

<sup>\*</sup>Located outside of the PMA

As illustrated above, Housing Choice Voucher usage in this market ranges from zero to 20 percent. All of the LIHTC properties reported having shares of Housing Choice Voucher tenants. None of the market rate properties reported currently having tenants utilizing Housing Choice Vouchers. The average percentage of voucher tenants at the LIHTC properties is 11.5 percent, and the overall market average is 5.6 percent. Overall, the local market does not appear to be dependent on voucher tenants. Thus, it appears that the Subject will not need to rely on voucher residents in order to maintain a high occupancy level. We believe the Subject would maintain a voucher usage of 15 percent or less.

#### **Lease Up History**

We were able to obtain absorption data from one of the comparables. However, this data was dated and has been excluded from our analysis. Therefore, we expanded our search for recent absorption data in Gwinnett County and neighboring DeKalb County. Our absorption comparables are presented following.

#### **ABSORPTION**

Property Name	Occupancy Type	Year Built	Number of Units	Units Absorbed/ Month
1760 Apartment Homes	Market	2016	239	17
The Point on Scott	Market	2016	250	13
The Reserve at Decatur	Market	2016	298	14
Columbia Mill	LIHTC	2014	100	20
Retreat at Edgewood Phase II	LIHTC	2012	40	12
Retreat at Edgewood	LIHTC	2011	100	20
Average			224	16

Per DCA guidelines, we have calculated the absorption to 93 percent occupancy. 1760 Apartment Homes is a market-rate family development located 7.6 miles south of the Subject site in Lawrenceville. This property



opened in 2016 and experienced an absorption rate of 17 units per month. The Point on Scott is a market-rate family development located 25 miles southwest of the Subject site in Scottdale. This property opened in 2016 and experienced an absorption rate of 13 units per month. The Reserve at Decatur is a market-rate family development located 25 miles southwest in Scottdale. This property opened in 2016 and experienced an absorption rate of 14 units per month. Columbia Mill is a LIHTC family property located 30 miles southwest of the Subject in Atlanta. This property opened in 2014 and experienced an absorption pace of 20 units per month. Retreat at Edgewood Phase I and Phase II are located 28 miles southwest of the Subject in Atlanta. These properties opened in 2011 and 2012, respectively, and experienced respective absorption rates of 20 and 12 units per month. Additional absorption data from recently-constructed LIHTC properties in Gwinnett County was not available. The properties reporting absorption data experienced an average absorption pace of 16 units per month. It should be noted that property size does not appear to aid or harm unit absorption.

The most recently constructed LIHTC property, Columbia Mill, experienced an absorption pace of 20 units per month. This property reports occupancy of 97 percent and maintains a waiting list. Based on the performance of this LIHTC development, we estimate the Subject would reach a stabilized occupancy of 93 percent within 12 to 13 months of the development's completion, which equates to a pace of approximately 20 units per month. This estimate assumes that the Subject will be properly marketed and that pre-leasing begins within two to three months prior to completion of construction.

#### **Phased Developments**

The Subject is not part of a multi-phase development.

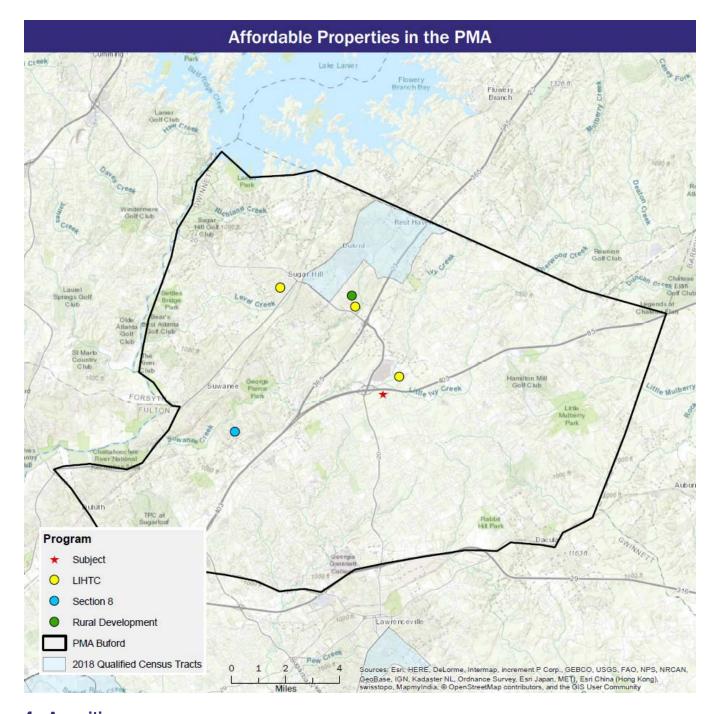
#### **Rural Areas**

The Subject is not located in a rural area.

### 3. Competitive Project Map

#### **COMPETITIVE PROJECTS**

Property Name	Program	Location	Tenancy	# of Units	Occupancy	Map Color
Ivy Ridge	LIHTC	Buford	Family	256	-	Star
Huntington Court	LIHTC, Market, Non-Rental	Buford	Senior	152	100.0%	
Plantation Ridge	LIHTC, Market	Sugar Hill	Family	218	100.0%	
Reserve At Ivy Creek	LIHTC, Market	Buford	Family	305	100.0%	
Annandale Apartments, Inc.	Section 8	Suwanee	Family	12	100.0%	
Winbridge Apartments	Rural Development	Buford	Family	48	100.0%	



## 4. Amenities

A detailed description of amenities included in both the Subject and the comparable properties can be found in the amenity matrix below.

Separation   Sep							AMENITY	MATRIX						
## First Patriculary   Life   Life   Life   Market   Mark		Subject		Creek								At Gwinnett	At Suwanee	
Property Type	Rent Structure	LIHTC	LIHTC	LIHTC	,	,	,	LIHTC	Market	Market	Market	Market	Market	Market
# of Stories   4-stories   3-stories   3-stories   3-stories   3-stories   3-stories   3-stories   3-stories   3-stories   4-stories   4-s	Building													
Very Patrick   Proposed   2002   2003   2002   2998   2004   1994   2001   2000   2001   2009   2013   2015   Very Reference	Property Type	Garden	Garden	Lowrise										
Very Florowarded	# of Stories	4-stories	3-stories	3-stories	3-stories	3-stories	3-stories	2-stories	4-stories	1-stories	3-stories	4-stories	4-stories	4-stories
Elevators   no	Year Built	Proposed	2002	2003	2002	1998	2004	1994	2001	2000	2001	2009	2013	2015
Elevators   no   no   no   no   no   no   no   n														
Courty and   no   no   no   no   no   no   no	Elevators							no				yes		yes
Color   Colo							no	no	no					
Cooking   no   no   no   no   no   no   no										,,,,,		,	,,,,,	,,,,,
Water feet   no		no	no	no										
Heat														
Other Electric   O														
Water   yes   no   no   no   no   no   yes   no   no   no   no   no   no   no   n														
Sever								i .						_
Tresh yes no yes no yes no yes														
Colling Fan														
Balcony Péllo yès		yes	no	yes	no	yes	no	yes	no	no	no	no	no	no
Blinds														
Cable/Statelite no														
Carpeting   yes		yes	yes	yes										
Carpeting   yes		no	yes	no	no									
Central A/C	Carpeting	yes	yes	yes										
Central A C   yes   ye	Hardwood	no		no	yes									
Celling Fan	Central A/C	ves	ves											
Coat Closet   yes   ye							, ,							
Exterior Storage   yes   yes   no   yes   yes   no   no   no   no   no   no   no   n														
Fireplace														
Vaulted Cellings   no   no   no   no   no   no   no   n														
Walk-fr   Closet   yes														
Washer/Dyer         no														
W/D Hookup   yes														
Victor   V														_
Dishwasher   yes		yes	yes	yes										
Disposal   Yes														
Microwave   yes				yes		yes								
Oven         yes         yes <td></td> <td>11.0</td>														11.0
Refrigerator   yes   y	Microwave	yes	yes	no	no	no	no	no	no	yes			yes	yes
Second community   Second comm		yes	yes	yes										
Business Center   yes	Refrigerator	yes	yes	yes										
Community Room   yes	Community													
Community Room   yes	Business Center	yes	yes	yes	no	no	yes	no	yes	yes	yes	yes	yes	yes
Central Laundry yes yes yes yes yes yes yes yes yes ye														
On-Site Mgmt         yes         yes <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>														
Basketball Court														
Basketball Court		,,,,	,	,,,,,	,,,,,	,,,,,	,,,,,	,,,,,	,,,,,	,,,,	,,,,,	,,,,,	,,,,,	,,,,,
Exercise Facility   yes   ye		no	no	no	no	no	Ves	Ves	no	no	no	no	no	no
Playground   yes														
Swimming Pool   yes														
Picnic Area   yes   yes   yes   yes   yes   no   yes   no   yes														
Tennis Court														
Security   No												- 110		
Hot Tub														-
Theatre no														-
Recreational Area														
Volleyball Court         no		no	no	yes										
In-Unit Alarm   no   yes   no   no   no   no   no   no   no   n	Recreational Area	yes	no	no	yes									
In-Unit Alarm	Volleyball Court	no	no	no	no	no	no	yes	no	yes	no	no	no	no
Limited Access yes no yes yes no yes yes no yes yes yes yes yes no yes no yes patrol no yes yes yes yes yes yes yes no no yes no yes no yes no yes no no permeter Fencing no no yes yes no	Security													
Limited Access yes no yes yes no yes yes no yes yes yes yes yes no yes no yes patrol no yes yes yes yes yes yes yes no no yes no yes no yes no yes no no permeter Fencing no no yes yes no	In-Unit Alarm	no	yes	no	no	yes	yes	no	no	no	no	no	no	no
Patrol         no         yes         yes         yes         yes         yes         no         yes         no         yes         no         yes         no         no         yes         no														
Perimeter Fencing         no         no         yes         yes         no         pes         no         no         no         pes         no         no         no         pes         pes         no         no         no         no         pes         pes         no         no         no         pes         pes         no         no         no </td <td></td>														
Parking   Carport   yes   no   no   no   no   no   no   no   n														_
Carport         yes         no         yes         no         yes         no         no         no         yes           Garage Fee         \$50         \$0         \$0         \$0         \$0         \$95         \$75         \$100         \$125         \$125         \$75			.10	,00	, 55	0		.10	,00	, , , ,	,55			.10
Carport Fee         \$25         \$0		VAS	no	no	no									
Garage         yes         no         no         no         yes         no         yes         no         no         no         yes           Garage Fee         \$50         \$0         \$0         \$0         \$60         \$0         \$95         \$75         \$100         \$125         \$125         \$75														
Garage Fee \$50 \$0 \$0 \$0 \$0 \$60 \$0 \$95 \$75 \$100 \$125 \$125 \$75														
	Off-Street Parking	yes	yes	yes										

The Subject will offer similar to slightly superior in-unit and property amenities in comparison to the LIHTC and market-rate comparable properties. The Subject will offer a business center/computer lab, clubhouse/community room, exercise facility, on-site management, picnic areas, recreation areas, playground, swimming pool, garage parking spaces, carport parking spaces, and central laundry facility. Several of the comparables do not include a business center/computer lab, central laundry facilities, picnic areas, or playgrounds, all of which will be offered at the Subject. Conversely, five of the comparables offer a car wash and five offer a tennis court, which the Subject will not offer. Overall we believe that the proposed amenities will allow the Subject to effectively compete in the LIHTC market.



#### 5. Comparable Tenancy

The Subject will target families. All of the comparable properties also target families.

#### 6. Vacancy

The following table illustrates the vacancy rates in the market.

#### **OVERALL VACANCY**

Property Name	Rent Structure	Tenancy	Total Units	Vacant Units	Vacancy Rate
Alexander Mill*	LIHTC	Family	224	6	2.7%
Ashton Creek Apartments*	LIHTC	Family	140	0	0.0%
Magnolia Village*	LIHTC/ Market	Family	190	2	1.1%
Plantation Ridge	LIHTC/ Market	Family	218	0	0.0%
Reserve At Ivy Creek	LIHTC/ Market	Family	305	0	0.0%
The View At Sugarloaf	LIHTC, Non-Rental	Family	130	3	2.3%
Preserve At Mill Creek	Market	Family	400	5	1.3%
Preston Hills At Mill Creek	Market	Family	464	12	2.6%
Summer Park Apartments	Market	Family	358	7	2.0%
The Overlook At Gwinnett Stadium	Market	Family	410	10	2.4%
The Terraces At Suwanee Gateway	Market	Family	335	2	0.6%
The Views At Coolray Field	Market	Family	206	6	2.9%
Total LIHTC			1,207	11	0.9%
Total Market Rate			2,173	42	1.9%
Overall Total			3,380	53	1.6%

<sup>\*</sup>Located outside of the PMA

Overall vacancy amongst the LIHTC comparables is minimal with a weighted average of 0.9 percent. The average weighted vacancy among the market rate comparables is very low at 1.9 percent. None of the market rate comparables reported vacancy over three percent. Overall, the low vacancy rate among affordable and market rate properties suggests that the market is strong with demand for additional units such as those proposed at the Subject. Given the generally low vacancy at both the LIHTC and market-rate comparables, we believe that the Subject development could maintain vacancy of five percent or less upon stabilization. Based on these factors, we believe that there is sufficient demand for additional affordable housing in the market. We do not believe that the Subject will impact the performance of the existing LIHTC properties if allocated.

#### 7. Properties Under Construction and Proposed

The following section details properties currently planned, proposed or under construction.

#### **Sugar Hill Towne Center Apartments**

a. Location: 5010 W Broad Street, Sugar Hill, GA

b. Owner: Macauley Investmentsc. Total number of units: 216 units

d. Unit configuration: Unavailable

e. Rent structure: Market

f. Estimated market entry: 2019

g. Relevant information: Will not directly compete with Subject as it offers market-rate units

#### **Unnamed property**

a. Location: 2965 NE Buford Drive, Buford, GA

b. Owner: Jon Guven Inc

c. Total number of units: 255 units



- d. Unit configuration: Unavailable
- e. Rent structure: Market
- f. Estimated market entry: 2020
- h. Relevant information: Will not directly compete with Subject as it offers market-rate units

#### **Solis Town Center**

- a. Location: 402 Highway 23 NW, Suwanee, GA
- b. Owner: Terwilliger Pappas
- c. Total number of units: 235 units
- d. Unit configuration: 140 one, 85 two, and ten three-bedroom units
- e. Rent structure: Market
- f. Estimated market entry: July 2019
- i. Relevant information: Will not directly compete with Subject as it offers market-rate units

#### **Unnamed property**

- a. Mall of Georgia Boulevard, Buford, GA
- b. Owner: Unavailable
- c. Total number of units: 250 unitsd. Unit configuration: Unavailable
- e. Rent structure: Market
- f. Estimated market entry: 2019
- j. Relevant information: Will not directly compete with Subject as it offers market-rate units

#### Holbrook of Sugar Hill

- a. Location: 1100 Whitehead Road, Buford, GA
- b. Owner: Solomon Senior Living
- c. Total number of units: 180 units
- d. Unit configuration: Unavailable
- e. Rent structure: Independent Living, Assisted Living, Memory Care
- f. Estimated market entry: 2020
- k. Relevant information: Mix of independent and assisted living units. Will not directly compete with Subject as it offers market-rate units and targets seniors.

#### **Heartis Senior Living**

- a. Location: 4066-4108 Suwanee Dam Road NW, Suwanee, GA
- b. Owner: Heartis
- c. Total number of units: 168 units
- d. Unit configuration: Unavailable
- e. Rent structure: Independent Living, Assisted Living, Memory Care
- f. Estimated market entry: Fall 2018
- I. Relevant information: Currently under construction and will offer a mix of independent and assisted living units. Will not directly compete with Subject as it offers market-rate units and targets seniors.

#### **Legacy at Gwinnett**

- a. Location: 2188 Duluth Highway 120, Duluth, GA
- b. Owner: Unavailable
- c. Total number of units: 170 units
- d. Unit configuration: Unavailable
- e. Rent structure: Market
- f. Estimated market entry: 2020
- g. Relevant information: Will not directly compete with Subject as it offers market-rate units



#### Revel

a. Location: 6400 Sugarloaf Parkway, Duluth, GA

b. Owner: Unavailable

c. Total number of units: 701 units d. Unit configuration: Unavailable

e. Rent structure: Market

f. Estimated market entry: 2020

g. Relevant information: Will not directly compete with Subject as it offers market-rate units

#### **Sugarloaf Walk**

a. Location: 2099 Satellite Pointe, Duluth, GA

b. Owner: Brand Properties

c. Total number of units: 302 units

d. Unit configuration: 302 one, two, three, and four-bedroom units

e. Rent structure: Market

f. Estimated market entry: 2019

g. Relevant information: Will not directly compete with Subject as it offers market-rate units

## 8. Rental Advantage

The following table illustrates the Subject's similarity to the comparable properties. We inform the reader that other users of this document may underwrite the LIHTC rents to a different standard than contained in this report.

#### **SIMILARITY MATRIX**

		<b>-</b>						
#	Property Name	Program	Property Amenities	Unit Features	Location	Age / Condition	Unit Size	Overall Comparison
1	Alexander Mill	LIHTC	Slightly Inferior	Similar	Similar	Inferior	Similar	-15
2	Ashton Creek Apartments	LIHTC	Slightly Inferior	Similar	Similar	Inferior	Similar	-15
3	Magnolia Village	LIHTC, Market	Inferior	Similar	Similar	Inferior	Superior	-10
4	Plantation Ridge	LIHTC, Market	Inferior	Similar	Slightly Inferior	Inferior	Slightly Superior	-20
5	Reserve At Ivy Creek	LIHTC, Market	Slightly Inferior	Slightly Inferior	Similar	Slightly Inferior	Superior	-5
6	Tanglewood Park	LIHTC, Non-Rental	Inferior	Similar	Slightly Inferior	Slightly Inferior	Slightly Inferior	-25
7	Preserve At Mill Creek	Market	Inferior	Similar	Similar	Inferior	Superior	-10
8	Preston Hills At Mill Creek	Market	Superior	Similar	Similar	Inferior	Superior	10
9	Summer Park Apartments	Market	Slightly Inferior	Similar	Similar	Inferior	Superior	-5
10	The Overlook At Gwinnett Stadium	Market	Inferior	Similar	Slightly Inferior	Slightly Inferior	Similar	-20
11	The Terraces At Suwanee Gateway	Market	Inferior	Similar	Slightly Superior	Slightly Inferior	Superior	0
12	The Views At Coolray Field	Market	Similar	Similar	Slightly Inferior	Slightly Inferior	Slightly Inferior	-15
*Inferio	or =-10, slightly inferior=-5, simila	r=0, slightly superior=5	5,					0

<sup>\*</sup>Inferior =-10, slightly inferior=-5, similar=0, slightly superior=5,

The rental rates at the LIHTC properties are compared to the Subject's proposed 60 percent AMI rents in the following table.



#### **LIHTC RENT COMPARISON @60%**

Property Name	County	1BR	2BR	3BR	Rents at Max?
Ivy Ridge (Subject)	Gwinnett	\$782	\$934	\$1,069	Yes
2018 LIHTC Maximum Rent (Net)	Gwinnett	\$782	\$934	\$1,069	
Alexander Mill	Gwinnett	-	\$976	\$1,118	Yes
Ashton Creek Apartments	Gwinnett	\$820	\$981	\$1,129	Yes
Magnolia Village	Gwinnett	\$825	\$980	\$1,134	Yes
Plantation Ridge	Gwinnett	\$780	\$943	\$1,092	No
Reserve At Ivy Creek	Gwinnett	\$818	\$927	\$1,148	Yes
The View At Sugarloaf	Gwinnett	-	\$935	\$1,065	Yes
Average		\$811	\$957	\$1,114	

The Subject will offer one, two, and three-bedroom units at 60 percent AMI, all of which will be set at the 2018 maximum allowable levels. It should be noted that the AMI in Gwinnett County reached its peak in 2018. As such, all of the comparable properties are held to the 2018 maximum allowable rents for Gwinnett County, similar to the Subject. All but one of these properties reported achieving rents at the maximum allowable levels. Discrepancies between the rents at these properties and the 2018 maximum allowable rents as presented in the table above are likely due to differing utility allowances. In terms of characteristics, the Subject will be similar to superior to the affordable comparables as the newest development in the market with market-oriented amenities and unit sizes.

Reserve at Ivy Creek is located 0.7 miles from the Subject and offers a similar location. This is the closest comparable to the Subject site and is considered the most similar comparable. Reserve at Ivy Creek was constructed in 2004 and exhibits average condition which is considered inferior to the anticipated excellent condition of the Subject upon completion. This property offers slightly inferior in-unit amenities and property amenities, as it does not offer coat closets, exterior storage, microwaves, carports, a clubhouse/meeting room, a playground, or recreation areas, all of which the proposed Subject will offer. Reserve at Ivy Creek offers superior unit sizes to the proposed Subject. Overall, Reserve at Ivy Creek is considered slightly inferior to the proposed Subject. This property is currently achieving rents at 60 percent AMI maximum allowable levels and reports full occupancy and a waiting list of more than 200 households. Thus, we would anticipate that the Subject would be able to achieve 2018 maximum allowable rents for its one, two, and three-bedroom units.

## **Analysis of "Market Rents"**

Per DCA's market study guidelines, "average market rent is to be a reflection of rents that are achieved in the market. In other words, the rents the competitive properties are currently receiving. Average market rent is not 'Achievable unrestricted market rent.' In an urban market with many tax credit comps, the average market rent might be the weighted average of those tax credit comps. In cases where there are few tax credit comps, but many market-rate comps with similar unit designs and amenity packages, then the average market rent might be the weighted average of those market-rate comps. In a small rural market there may be neither tax credit comps nor market-rate comps with similar positioning as the subject. In a case like that the average market rent would be a weighted average of whatever rents were present in the market."

When comparing the Subject's rents to the average comparable rent, we have not included surveyed rents at lower AMI levels given that this artificially lowers the average surveyed rent. Including rents at lower AMI levels does not reflect an accurate average rent for rents at higher income levels. For example, if the Subject offers rents at the 50 and 60 percent of AMI levels, and there is a distinct difference at comparable properties between rents at the two AMI levels, we have not included the 50 percent of AMI rents in the average comparable rent for the 60 percent of AMI comparison.



The overall average and the maximum and minimum adjusted rents for the comparable properties surveyed are illustrated in the table below in comparison with net rents for the Subject.

#### SUBJECT COMPARISON TO MARKET RENTS

Unit Type	Subject Proposed Rent	Surveyed Min	Surveyed Max	Surveyed Average	Subject Rent Advantage
1BR @ 60% AMI	\$782	\$780	\$1,394	\$1,055	35%
2BR @ 60% AMI	\$934	\$927	\$2,226	\$1,321	41%
3BR @ 60% AMI	\$1,069	\$1,065	\$1,844	\$1,308	22%

As illustrated the Subject's proposed 60 percent rents are well below the surveyed average when compared to the comparables, both LIHTC and market-rate.

We have placed greatest weight upon the market rate rents at Summer Park Apartments and The Terraces at Suwanee Gateway, which are the most comparable to the Subject in our determination of achievable market rents for the Subject.

Summer Park Apartments was constructed in 2001 and exhibits average condition, which is considered inferior to the anticipated excellent condition of the Subject upon completion. This property is located adjacent to the Subject and offers a similar location. Summer Park Apartments offers similar unit amenities to those of the proposed Subject, but offers slightly inferior property amenities as it does not offer carport or garage parking and does not offer a recreation area, all of which the Subject will offer. However, this property offers superior unit sizes in comparison to those of the proposed Subject. Overall, Summer Park Apartments is considered slightly inferior to the proposed Subject. Summer Park Apartments reports current occupancy of 98.0 percent. The lowest one, two and three-bedroom rents at Summer Park Apartments are approximately 33, 37, and 36 percent higher than the Subject's proposed rents at 60 percent of the AMI. Overall, we believe that the Subject's proposed rents are achievable in the market and will offer an advantage to the rents being achieved at comparable properties.

#### 9. LIHTC Competition – DCA Funded Properties within the PMA

Capture rates for the Subject are considered low for all bedroom types and AMI levels. If allocated, the Subject will be slightly superior to superior to the existing LIHTC housing stock. Overall vacancy amongst the LIHTC comparables is minimal with a weighted average of 0.9 percent.

We researched the Georgia Department of Community Affairs (DCA) allocation list to determine if there have been any new affordable properties allocated funds within the past three years. According to the allocation lists from 2014, 2015, 2016, and 2017, there are no proposed LIHTC properties in the Subject's PMA. Given the low vacancy rates at existing LIHTC properties, as well as the presence of waiting lists, it appears that there is strong demand for additional LIHTC housing in the market. We do not believe that the addition of the Subject to the market will impact the existing LIHTC properties that are in overall good condition and currently performing well.

#### 10. Rental Trends in the PMA

The following table is a summary of the tenure patterns of the housing stock in the PMA.



#### **TENURE PATTERNS PMA**

Year	Owner-Occupied Units	Percentage Owner- Occupied	Renter-Occupied Units	Percentage Renter-Occupied
2000	41,288	86.6%	6,409	13.4%
2017	70,868	76.5%	21,786	23.5%
Projected Mkt Entry April 2021	76,161	76.7%	23,180	23.3%
2022	77,925	76.7%	23,645	23.3%

Source: Esri Demographics 2017, Novogradac & Company LLP, November 2018

As the table illustrates, households within the PMA reside in predominately owner-occupied residences. Nationally, approximately two-thirds of the population resides in owner-occupied housing units, and one-third resides in renter-occupied housing units. Therefore, there is a smaller percentage of renters in the PMA than the nation. This percentage is projected to remain increase slightly over the next five years.

#### **Historical Vacancy**

The following table details historical vacancy levels for the properties included as comparables.

Comparable Property	Туре	Total Units	4QTR 2014	3QTR 2016	4QTR 2016	2QTR 2017	3QTR 2017	4QTR 2017	4QTR 2018
Alexander Mill	Garden	224	N/A	N/A	N/A	0.0%	N/A	2.2%	2.7%
Ashton Creek Apartments	Garden	140	3.6%	N/A	0.0%	0.0%	N/A	N/A	3.6%
Magnolia Village	Garden	190	N/A	0.0%	N/A	N/A	0.0%	0.0%	1.1%
Plantation Ridge	Garden	218	2.8%	2.4%	N/A	N/A	N/A	2.3%	0.0%
Reserve At Ivy Creek	Garden	305	0.0%	0.0%	N/A	N/A	N/A	0.0%	0.0%
The View At Sugarloaf	Garden	130	N/A	N/A	N/A	N/A	N/A	0.0%	2.3%
Preserve At Mill Creek	Garden	400	N/A	N/A	N/A	N/A	N/A	2.0%	1.3%
Preston Hills At Mill Creek	Garden	464	8.0%	N/A	N/A	N/A	N/A	5.4%	2.6%
<b>Summer Park Apartments</b>	Garden	358	N/A	N/A	N/A	N/A	N/A	5.6%	2.0%
The Overlook At Gwinnett Stadium	Garden	410	N/A	N/A	N/A	N/A	N/A	7.3%	2.4%
The Terraces At Suwanee Gateway	Garden	335	N/A	N/A	N/A	N/A	N/A	2.4%	0.6%
The Views At Coolray Field	Lowrise	206	N/A	N/A	N/A	N/A	N/A	6.8%	2.9%

As illustrated in the table, we have limited historical occupancy information for the comparable properties. However, it appears the LIHTC comparables have maintained low vacancy rates since fourth quarter 2014. Overall, we believe that the current performance of the LIHTC comparable properties, as well as their historically low vacancy rates, indicate demand for affordable rental housing in the Subject's market.

## **Change in Rental Rates**

The following table illustrates rental rate increases as reported by the comparable properties.



#### **RENT GROWTH**

Property Name	Rent Structure	Tenancy	Rent Growth
Alexander Mill*	LIHTC	Family	Increased to maximum allowable levels
Ashton Creek Apartments*	LIHTC	Family	Increased to maximum allowable levels
Magnolia Village*	LIHTC/ Market	Family	Increased to maximum allowable levels
Plantation Ridge	LIHTC/ Market	Family	Kept at 2017 maximum allowable levels
Reserve At Ivy Creek	LIHTC/ Market	Family	Increased to maximum allowable levels
The View At Sugarloaf	LIHTC, Non-Rental	Family	Increased to maximum allowable levels
Preserve At Mill Creek	Market	Family	Increased 2.7 - 6.4 percent
Preston Hills At Mill Creek	Market	Family	Increased 5.5 to 27.9 percent
Summer Park Apartments	Market	Family	Decrease 5.5 - increased 33.0 percent
The Overlook At Gwinnett Stadium	Market	Family	Increased 4.0 - 20.4 percent
The Terraces At Suwanee Gateway	Market	Family	Decrease 9.5 - increased 6.9 percent
The Views At Coolray Field	Market	Family	Increased 3.2 - 3.9 percent

<sup>\*</sup>Located outside of the PMA

As illustrated in the preceding table, most affordable properties had significant rent increases in the past year. This is a result of an increase in the maximum allowable rents in Gwinnett County. All of the market rate properties reported rent growth in the past year. In general, we believe the Subject would be capable of achieving modest rent growth in the future.

#### 11. Impact of Foreclosed, Abandoned and Vacant Structures

According to RealtyTrac statistics, one in every 1,989 housing units nationwide was in some stage of foreclosure as of October 2018. Gwinnett County is experiencing foreclosure rate of one in every 2,791 homes and Georgia experienced one foreclosure in every 2,243 housing units. Overall, Gwinnett County is experiencing a lower foreclosure rate to the nation and Georgia, indicating a healthy housing market. The Subject's neighborhood does not have a significant amount of abandoned or vacant structures that would impact the

marketability of the Subject.

## **12. Primary Housing Void**

There are only two LIHTC properties in the PMA, and three of the LIHTC properties target families. All of these properties have reported low vacancy rates and one property has reported a waiting list of 635 households. Therefore, there appears to be a void of affordable housing in the PMA and there is strong demand for additional rental housing in the PMA. Additionally, the Subject will be only the second family-oriented property in the PMA that does not offer unrestricted units. We believe the Subject, although it will offer a similar unit mix and rent levels to the existing LIHTC properties, will fill the need for additional affordable housing in the PMA given the limited supply of affordable housing and presence of waiting lists.

#### 13. Effect of Subject on Other Affordable Units in Market

There are no proposed LIHTC developments in the PMA. Four of the comparable properties report extensive waiting lists. We believe there is adequate demand for the addition of the Subject within the market. The vacancy rate among the existing LIHTC comparables is low at 0.9 percent. The current and historical vacancy rates at the LIHTC comparable properties, as well as the presence of waiting lists in the market, indicate unmet demand in the market for affordable housing. In summary, the performance of the comparable LIHTC properties and the existence of waiting lists for affordable units indicates that the Subject will not negatively impact the existing or proposed affordable rental units in the market.

#### **Conclusions**

Based upon our market research, demographic calculations and analysis, we believe there is adequate demand for the Subject property as proposed. The LIHTC comparables are experiencing a weighted average



vacancy rate of 0.9 percent, which is considered low. Furthermore, four of the LIHTC comparables maintain extensive waiting lists. These factors indicate demand for affordable housing. Overall, we believe that the proposed amenities will allow the Subject to effectively compete in the family LIHTC market. As new construction, the Subject will be in excellent condition upon completion and will be considered slightly superior to superior in terms of condition to the majority of the comparable properties. The Subject's proposed unit sizes will be competitive with the comparable properties. In general, the Subject will be slightly inferior to superior to the comparable properties. Given the Subject's anticipated superior condition relative to the competition and the demand for affordable housing evidenced by waiting lists and low vacancy at several LIHTC comparable properties, we believe that the Subject is feasible as proposed. We believe that it will fill a void in the market and will perform well.

# I. ABSORPTION AND STABILIZATION RATES

#### **ABSORPTION AND STABILIZATION RATES**

We were able to obtain absorption data from one of the comparables. However, this data was dated and has been excluded from our analysis. Therefore, we expanded our search for recent absorption data in Gwinnett County and neighboring DeKalb County. Our absorption comparables are presented following.

#### **ABSORPTION**

Property Name	Occupancy Type	Year Built	Number of Units	Units Absorbed/ Month
1760 Apartment Homes	Market	2016	239	17
The Point on Scott	Market	2016	250	13
The Reserve at Decatur	Market	2016	298	14
Columbia Mill	LIHTC	2014	100	20
Retreat at Edgewood Phase II	LIHTC	2012	40	12
Retreat at Edgewood	LIHTC	2011	100	20
Average			224	16

Per DCA guidelines, we have calculated the absorption to 93 percent occupancy. 1760 Apartment Homes is a market-rate family development located 7.6 miles south of the Subject site in Lawrenceville. This property opened in 2016 and experienced an absorption rate of 17 units per month. The Point on Scott is a market-rate family development located 25 miles southwest of the Subject site in Scottdale. This property opened in 2016 and experienced an absorption rate of 13 units per month. The Reserve at Decatur is a market-rate family development located 25 miles southwest in Scottdale. This property opened in 2016 and experienced an absorption rate of 14 units per month. Columbia Mill is a LIHTC family property located 30 miles southwest of the Subject in Atlanta. This property opened in 2014 and experienced an absorption pace of 20 units per month. Retreat at Edgewood Phase I and Phase II are located 28 miles southwest of the Subject in Atlanta. These properties opened in 2011 and 2012, respectively, and experienced respective absorption rates of 20 and 12 units per month. Additional absorption data from recently-constructed LIHTC properties in Gwinnett County was not available. The properties reporting absorption data experienced an average absorption pace of 16 units per month. It should be noted that property size does not appear to aid or harm unit absorption.

The most recently constructed LIHTC property, Columbia Mill, experienced an absorption pace of 20 units per month. This property reports occupancy of 97 percent and maintains a waiting list. Based on the performance of this LIHTC development, we estimate the Subject would reach a stabilized occupancy of 93 percent within 12 to 13 months of the development's completion, which equates to a pace of approximately 20 units per month. This estimate assumes that the Subject will be properly marketed and that pre-leasing begins within two to three months prior to completion of construction.

# J. INTERVIEWS

#### **Georgia Department of Community Affairs, Norcross Regional Office**

We spoke with Sharon El, Administrative Assistant with the Georgia Department of Community Affairs, to gather information pertaining to the use of Housing Choice Vouchers. Ms. El reported that the Housing Authority currently issues 17,000 Housing Choice Vouchers to 149 counties throughout Georgia, 15,877 of which are in use, including 1,149 in Gwinnett County. The waiting list is currently closed and consists of 20,525 households. The waiting list is purged annually. The payment standards for Gwinnett County are listed below.

#### **PAYMENT STANDARDS**

Bedroom Type	Payment Standards
1BR	\$943
2BR	\$1,083
3BR	\$1,412

Source: Georgia Department of Community Affairs, effective October 2017

The Subject's proposed rents are set below the current payment standards. Therefore, tenants with Housing Choice Vouchers will not pay out of pocket for rent.

#### **Planning**

We contacted Ms. Kim Wolf with the City of Buford's Planning and Zoning Department, Ms. Nicole Klein with the City of Sugar Hill's Planning and Development Department, and Mr. Josh Campbell with the City of Suwanee's Planning Department to identify multifamily projects recently completed, under construction, planned, or proposed in the PMA. Multifamily developments under planned, proposed, or under construction in the PMA are summarized in the table below:

#### PLANNED DEVELOPMENT

Property Name	Rent Structure	Tenancy	Total Units	Competitive Units	Construction Status
Sugar Hill Towne Center	Market	Family	216	0	Under Construction
2965 NE Buford Drive	Market	Family	255	0	Proposed
Mall of Georgia Blvd	Market	Family	250	0	Proposed
Holbrook of Sugar Hill	Market	Senior	180	0	Proposed
Legacy at Gwinnett	Market	Family	170	0	<b>Under Construction</b>
Heartis Senior Living	Market	Senior	168	0	<b>Under Construction</b>
Revel	Market	Family	701	0	Proposed
Solis Town Center	Market	Family	240	0	<b>Under Construction</b>
Sugarloaf Walk	Market	Family	<u>302</u>	0	<b>Under Construction</b>
Total Units		-	2,180		

- Sugar Hill Towne Center Apartments is a 216-unit market-rate property proposed for construction at 5010 W Broad Street in Sugar Hill, approximately 4.6 miles northwest of the Subject site. Apartments will be part of a larger mixed-use development known as the EpiCenter, which will include a theater, a gym, and restaurant and retail spaces. The apartments will target families. Ground broke on the EpiCenter development on June 22, 2016. Because this property will only offer market-rate units, it is not considered directly competitive with the Subject property.
- An unnamed market-rate multifamily project is proposed for development at 2965 NE Buford Drive
  in Buford, approximately 0.6 miles west of the Subject. This property will offer 255 units to families.
  No additional information was available. Because this property will only offer market-rate units, it is
  not considered directly competitive with the Subject property.



- An unnamed market-rate multifamily project is proposed for development on Mall of Georgia Boulevard in Buford, approximately 0.5 miles north of the Subject site. No additional information about this property was available. Because this property will only offer market-rate units, it is not considered directly competitive with the Subject property.
- Holbrook of Sugar Hill is a 180-unit senior project proposed for development at 1100 Whitehead Road in Buford. Construction is expected to begin fall 2017. Upon completion, Holbrook of Sugar Hill will include 150 independent living apartments, 30 independent living cottages, 74 assisted-living apartments, and 25 memory care apartments. Because this property will target a senior tenancy, it is not considered directly competitive with the Subject.
- Legacy at Gwinnett is a 170-unit market-rate property proposed for construction at 2188 Duluth Highway 120 in Duluth, approximately 8.5 miles from the Subject site. Because this property will offer only market-rate units, it is not considered directly competitive with the Subject.
- Heartis Senior Living is a 168-unit senior project under construction at 4066-4108 Suwanee Dam Road in Suwanee. Upon completion, this property will include 80 independent living units, 56 assisted living apartments, and 32 memory care units. Because this property will target a senior tenancy, it is not considered directly competitive with the Subject.
- Revel is a 701-unit market-rate property proposed for construction at 6400 Sugarloaf Parkway in Duluth, approximately 7.6 miles from the Subject site. Because this property will offer only marketrate units, it is not considered directly competitive with the Subject.
- Solis Town Center is a 235-unit market-rate property proposed for construction at 402 Highway 23
   NW in Suwanee, approximately 4.8 miles west of the Subject site. Upon completion, this property will
   offer 140 one-bedroom, 85 two-bedroom, and 10 three-bedroom units to families. Because this
   property will offer only market-rate units, it is not considered directly competitive with the Subject.
- Sugarloaf Walk is a 302-unit market-rate property proposed for construction at 2099 Satellite Pointe
  in Duluth, approximately 8.3 miles from the Subject site. Because this property will offer only marketrate units, it is not considered directly competitive with the Subject.

Projections for new additions and absorption in the outlying Gwinnett County submarket suggest that net absorption will grow between 2018 and 2022. At the time of the Subject's projected market entry in 2021, net absorption in the submarket is forecasted to be approximately 245 units per year, or 20.42 units per month. Of additional note, none of the new additions to the market are LIHTC properties and are thus not considered directly competitive with the Subject. Thus, we believe the Subject will outperform the projections in the submarket. We believe the additions in supply are consistent with the growth in the area.

#### **Gwinnett County Chamber of Commerce**

We attempted to contact the Gwinnett County Chamber of Commerce to inquire about recent business expansions or contractions in the area, but to date our attempts have been unsuccessful. However, we utilized the Partnership Gwinnett website and found numerous business expansions in Gwinnett County announced in 2018.

Additional interviews can be found in the comments section of the property profiles.



# K. CONCLUSIONS AND RECOMMENDATIONS

#### **C**ONCLUSIONS

#### **Demographics**

The population and household annual growth rate in the PMA exceeded that of both the MSA and nation as a whole between 2010 and 2017. Over the next five years, this trend in annual population and household growth rate is expected to continue. The Subject will target households earning between \$28,869 and \$48,480. Approximately 37.8 percent of renter households in the PMA are earning incomes between \$20,000 and \$49,999, which is greater than the 37.1 percent of renter households in the MSA in 2017. For the projected market entry date of April 2021, these percentages are projected to slightly decrease to 36.5 percent in the PMA and 35.9 percent in the MSA. Overall, the PMA has demonstrated that it is an area of population and household growth. As the PMA continues to grow, the need for affordable housing is also expected to increase. This population and household growth bodes well for the Subject's proposed units.

#### **Employment Trends**

Employment in the PMA is greatest in the trade, transportation, and utilities sector, followed by professional and business services and leisure and hospitality. These industries are particularly vulnerable in economic downturns and are historically volatile industries, with the exception of utilities.

Total employment in the MSA has increased every year since 2003 with the exception of 2008 through 2010 during the most recent national recession. While the MSA experienced a 6.9 percent decline in employment during between 2008 and 2010, which was greater than the nation over the same period, the MSA has experienced growth each year since. Furthermore, the MSA surpassed its pre-recessionary employment levels in 2014, the same year as the nation, and has continued to increase steadily. Trends in historical unemployment data generally mirrors employment; after 2009 at the peak of the recession, unemployment in the MSA has decreased six of the past eight years. Between August 2017 and August 2018, total employment increased 2.8 percent, compared to the national growth rate of 1.3 percent during the same time period. Overall, the local economy has fully recovered from the national recession and has entered into an expansionary phase which is a positive indicator of demand for rental housing and, therefore, the Subject's proposed units.

#### **Capture Rates**

The following table illustrates the demand and capture rates for the Subject's proposed units

#### Capture Units Net **Minimum** Maximum **Total Proposed Unit Type** Supply Income **Proposed Demand Demand** Rate Income Rents 1BR @60% \$28,869 \$35,940 112 676 676 0 16.6% \$782 2BR @60% \$34,663 \$40,440 128 811 0 15.8% 811 \$934 3BR @60% \$40,011 \$48,480 64<u>2</u> 0 \$1,069 642 2.5% 16 256 @60% Overall \$48,480 2,129 0 12.0% \$28,869 2,129

#### **CAPTURE RATE ANALYSIS CHART**

We believe these calculated capture rates are reasonable, particularly as these calculations do not consider demand from outside the PMA or standard rental household turnover.

#### **Absorption**

We were able to obtain absorption data from one of the comparables. However, this data was dated and has been excluded from our analysis. Therefore, we expanded our search for recent absorption data in Gwinnett County and neighboring DeKalb County. Our absorption comparables are presented following.



#### **ABSORPTION**

Bronorty Namo	Occupancy Type	Year Built	Number of	Units Absorbed/	
Property Name	Occupancy Type	rear built	Units	Month	
1760 Apartment Homes	Market	2016	239	17	
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Retreat at Edgewood	LIHTC	2011	100	20	
Average			224	16	

Per DCA guidelines, we have calculated the absorption to 93 percent occupancy. 1760 Apartment Homes is a market-rate family development located 7.6 miles south of the Subject site in Lawrenceville. This property opened in 2016 and experienced an absorption rate of 17 units per month. The Point on Scott is a market-rate family development located 25 miles southwest of the Subject site in Scottdale. This property opened in 2016 and experienced an absorption rate of 13 units per month. The Reserve at Decatur is a market-rate family development located 25 miles southwest in Scottdale. This property opened in 2016 and experienced an absorption rate of 14 units per month. Columbia Mill is a LIHTC family property located 30 miles southwest of the Subject in Atlanta. This property opened in 2014 and experienced an absorption pace of 20 units per month. Retreat at Edgewood Phase I and Phase II are located 28 miles southwest of the Subject in Atlanta. These properties opened in 2011 and 2012, respectively, and experienced respective absorption rates of 20 and 12 units per month. Additional absorption data from recently-constructed LIHTC properties in Gwinnett County was not available. The properties reporting absorption data experienced an average absorption pace of 16 units per month. It should be noted that property size does not appear to aid or harm unit absorption.

The most recently constructed LIHTC property, Columbia Mill, experienced an absorption pace of 20 units per month. This property reports occupancy of 97 percent and maintains a waiting list. Based on the performance of this LIHTC development, we estimate the Subject would reach a stabilized occupancy of 93 percent within 12 to 13 months of the development's completion, which equates to a pace of approximately 20 units per month. This estimate assumes that the Subject will be properly marketed and that pre-leasing begins within two to three months prior to completion of construction.

#### **Vacancy Trends**

The following table illustrates the vacancy rates in the market.

#### **OVERALL VACANCY**

Property Name	Rent Structure	Tenancy	Total Units	Vacant Units	Vacancy Rate
Alexander Mill*	LIHTC	Family	224	6	2.7%
Ashton Creek Apartments*	LIHTC	Family	140	0	0.0%
Magnolia Village*	LIHTC/ Market	Family	190	2	1.1%
Plantation Ridge	LIHTC/ Market	Family	218	0	0.0%
Reserve At Ivy Creek	LIHTC/ Market	Family	305	0	0.0%
The View At Sugarloaf	LIHTC, Non-Rental	Family	130	3	2.3%
Preserve At Mill Creek	Market	Family	400	5	1.3%
Preston Hills At Mill Creek	Market	Family	464	12	2.6%
Summer Park Apartments	Market	Family	358	7	2.0%
The Overlook At Gwinnett Stadium	Market	Family	410	10	2.4%
The Terraces At Suwanee Gateway	Market	Family	335	2	0.6%
The Views At Coolray Field	Market	Family	206	6	2.9%
Total LIHTC			1,207	11	0.9%
Total Market Rate			2,173	42	1.9%
Overall Total			3,380	53	1.6%

<sup>\*</sup>Located outside of the PMA

Overall vacancy amongst the LIHTC comparables is minimal with a weighted average of 0.9 percent. The average weighted vacancy among the market rate comparables is very low at 1.9 percent. None of the market rate comparables reported vacancy over three percent. Overall, the low vacancy rate among affordable and market rate properties suggests that the market is strong with demand for additional units such as those proposed at the Subject. Given the generally low vacancy at both the LIHTC and market-rate comparables, we believe that the Subject development could maintain vacancy of five percent or less upon stabilization. Based on these factors, we believe that there is sufficient demand for additional affordable housing in the market. We do not believe that the Subject will impact the performance of the existing LIHTC properties if allocated.

#### **Strengths of the Subject**

Strengths of the Subject will include its location in close proximity to the Mall of Georgia, a major retail center, as well as Interstate 85, which provides access to downtown Atlanta. The Subject's community is also a developing area with several multifamily properties constructed in the past 10 years. However, there is limited existing affordable housing in the PMA and all LIHTC properties in the PMA have reported low vacancy rates. Additionally, Reserve at Ivy Park, the most comparable and proximate property, reported a waiting list of over 200 households. The majority of the Subject's units could be filled from this property's waiting list alone. The Subject will also offer some amenities not present at all of the LIHTC comparable developments including microwaves, a business center and covered parking. Therefore, we believe the Subject will be successful and competitive in the market. Additionally, as the demand analysis in this report indicates, there is strong demand for the Subject based on our calculations for the 60 percent AMI units.

#### **Conclusion**

Based upon our market research, demographic calculations and analysis, we believe there is adequate demand for the Subject property as proposed. The LIHTC comparables are experiencing a weighted average vacancy rate of 0.9 percent, which is considered low. Furthermore, four of the LIHTC comparables maintain extensive waiting lists. These factors indicate demand for affordable housing. Overall, we believe that the proposed amenities will allow the Subject to effectively compete in the family LIHTC market. As new construction, the Subject will be in excellent condition upon completion and will be considered slightly



superior to superior in terms of condition to the majority of the comparable properties. The Subject's proposed unit sizes will be competitive with the comparable properties. In general, the Subject will be slightly inferior to superior to the comparable properties. Given the Subject's anticipated superior condition relative to the competition and the demand for affordable housing evidenced by waiting lists and low vacancy at several LIHTC comparable properties, we believe that the Subject is feasible as proposed. We believe that it will fill a void in the market and will perform well.

#### **Recommendations**

We recommend the Subject as proposed.

# L. SIGNED STATEMENT REQUIREMENTS

I affirm that I (or one of the persons signing below) have made a physical inspection of the market area and the Subject property and that information has been used in the full study of the need and demand for the proposed units. The report was written according to DCA's market study requirements, the information included is accurate and the report can be relied upon by DCA as a true assessment of the low-income housing rental market. To the best of my knowledge, the market can support the project as shown in the study. I understand that any misrepresentation of this statement may result in the denial of further participation in DCA's rental housing programs. I also affirm that I have no interest in the project or relationship with the ownership entity and my compensation is not contingent on this project being funded.

Rebecca S. Arthur, MAI

Partner

Novogradac & Company LLP

KerS anh

November 21, 2018

Date

Brian Neukam

Manager

Novogradac & Company LLP

November 21, 2018

Date

Travis Jorgenson

Junior Analyst

November 21, 2018

Date

# M. MARKET STUDY REPRESENTATION

Novogradac & Company LLP states that DCA may rely on the representation made in the market study provided and this document is assignable to other lenders that are parties to the DCA loan transaction.

Rebecca S. Arthur, MAI

Partner

Novogradac & Company LLP

Res Owh

November 21, 2018

Date

Brian Neukam

Manager

Novogradac & Company LLP

November 21, 2018

Date

Travis Jorgenson Junior Analyst

November 21, 2018

Date

ADDENDUM A Assumptions and Limiting Conditions

#### ASSUMPTIONS AND LIMITING CONDITIONS

- 1. In the event that the client provided a legal description, building plans, title policy and/or survey, etc., the market analyst has relied extensively upon such data in the formulation of all analyses.
- 2. The legal description as supplied by the client is assumed to be correct and the author assumes no responsibility for legal matters, and renders no opinion of property title, which is assumed to be good and merchantable.
- 3. All encumbrances, including mortgages, liens, leases, and servitudes, were disregarded in this valuation unless specified in the report. It was recognized, however, that the typical purchaser would likely take advantage of the best available financing, and the effects of such financing on property value were considered.
- 4. All information contained in the report, which others furnished, was assumed to be true, correct, and reliable. A reasonable effort was made to verify such information, but the author assumes no responsibility for its accuracy.
- 5. The report was made assuming responsible ownership and capable management of the property.
- 6. The sketches, photographs, and other exhibits in this report are solely for the purpose of assisting the reader in visualizing the property. The author made no property survey, and assumes no liability in connection with such matters. It was also assumed there is no property encroachment or trespass unless noted in the report.
- 7. The author of this report assumes no responsibility for hidden or unapparent conditions of the property, subsoil or structures, or the correction of any defects now existing or that may develop in the future. Equipment components were assumed in good working condition unless otherwise stated in this report.
- 8. It is assumed that there are no hidden or unapparent conditions for the property, subsoil, or structures, which would render it more or less valuable. No responsibility is assumed for such conditions or for engineering, which may be required to discover such factors.
- 9. The investigation made it reasonable to assume, for report purposes, that no insulation or other product banned by the Consumer Product Safety Commission has been introduced into the Subject premises. Visual inspection by the market analyst did not indicate the presence of any hazardous waste. It is suggested the client obtain a professional environmental hazard survey to further define the condition of the Subject soil if they deem necessary.
- 10. Any distribution of total property value between land and improvements applies only under the existing or specified program of property utilization. Separate valuations for land and buildings must not be used in conjunction with any other study or market study and are invalid if so used.
- 11. Possession of the report, or a copy thereof, does not carry with it the right of publication, nor may it be reproduced in whole or in part, in any manner, by any person, without the prior written consent of the author particularly as to value conclusions, the identity of the author or the firm with which he or she is connected. Neither all nor any part of the report, or copy thereof shall be disseminated to the general public by the use of advertising, public relations, news, sales, or other media for public communication without the prior written consent and approval of the market analyst. Nor shall the market analyst,

- firm, or professional organizations of which the market analyst is a member be identified without written consent of the market analyst.
- 12. Disclosure of the contents of this report is governed by the Bylaws and Regulations of the professional organization with which the market analyst is affiliated.
- 13. The author of this report is not required to give testimony or attendance in legal or other proceedings relative to this report or to the Subject property unless satisfactory additional arrangements are made prior to the need for such services.
- 14. The opinions contained in this report are those of the author and no responsibility is accepted by the author for the results of actions taken by others based on information contained herein.
- 15. Opinions of value contained herein are estimates. There is no guarantee, written or implied, that the Subject property will sell or lease for the indicated amounts.
- 16. All applicable zoning and use regulations and restrictions are assumed to have been complied with, unless nonconformity has been stated, defined, and considered in the market study report.
- 17. It is assumed that all required licenses, permits, covenants or other legislative or administrative authority from any local, state, or national governmental or private entity or organization have been or can be obtained or renewed for any use on which the value estimate contained in this report is based.
- 18. On all studies, Subject to satisfactory completion, repairs, or alterations, the report and conclusions are contingent upon completion of the improvements in a workmanlike manner and in a reasonable period of time.
- 19. All general codes, ordinances, regulations or statutes affecting the property have been and will be enforced and the property is not Subject to flood plain or utility restrictions or moratoriums, except as reported to the market analyst and contained in this report.
- 20. The party for whom this report is prepared has reported to the market analyst there are no original existing condition or development plans that would Subject this property to the regulations of the Securities and Exchange Commission or similar agencies on the state or local level.
- 21. Unless stated otherwise, no percolation tests have been performed on this property. In making the market study, it has been assumed the property is capable of passing such tests so as to be developable to its highest and best use.
- 22. No in-depth inspection was made of existing plumbing (including well and septic), electrical, or heating systems. The market analyst does not warrant the condition or adequacy of such systems.
- 23. No in-depth inspection of existing insulation was made. It is specifically assumed no Urea Formaldehyde Foam Insulation (UFFI), or any other product banned or discouraged by the Consumer Product Safety Commission has been introduced into the property. The market analyst reserves the right to review and/or modify this market study if said insulation exists on the Subject property.
- 24. Estimates presented in this report are assignable to parties to the development's financial structure.

**ADDENDUM B** 

**Subject and Neighborhood Photographs** 

#### **Photographs of Subject Site and Surrounding Uses**



Subject site east from Laurel Crossing Parkway



Subject site east from Laurel Crossing Parkway



View north Laurel Crossing Parkway



View south on Laurel Crossing Parkway



Commercial use in the Subject's neighborhood



Gas station in the Subject's neighborhood



Retail and commercial uses in the Subject's neighborhood



Retail and commercial uses in the Subject's neighborhood



Retail and commercial uses in the Subject's neighborhood



Retail and commercial uses in the Subject's neighborhood



Commercial use in the Subject's neighborhood



Commercial use in the Subject's neighborhood



Grocery store in the Subject's neighborhood



Pharmacy in the Subject's neighborhood



Single-family home in the Subject's neighborhood



Single-family home in the Subject's neighborhood



Single-family home in the Subject's neighborhood



Single-family home in the Subject's neighborhood

ADDENDUM C Qualifications

# STATEMENT OF PROFESSIONAL QUALIFICATIONS REBECCA S. ARTHUR, MAI

#### I. Education

University of Nebraska, Lincoln, Nebraska Bachelor of Science in Business Administration – Finance

Appraisal Institute
Designated Member (MAI)

#### **II. Licensing and Professional Affiliation**

Member of Kansas Housing Association

Board of Directors 2017 - Present

Designated Member of the Appraisal Institute (MAI)

Kansas City Chapter of the Appraisal Institute Board of Directors - 2013 & 2014

Member of National Council of Housing Market Analysts (NCHMA)

Member of Commercial Real Estate Women (CREW) Network

State of Arkansas Certified General Real Estate Appraisal No. CG2682

State of Arizona Certified General Real Estate Appraisal No. 31992

State of California Certified General Real Estate Appraiser No. AG041010

State of Hawaii Certified General Real Estate Appraiser No. CGA-1047

State of Iowa Certified General Real Estate Appraiser No. CG03200

State of Indiana Certified General Real Estate Appraiser No. CG41300037

State of Kansas Certified General Real Estate Appraiser No. G-2153

State of Minnesota Certified General Real Estate Appraiser No. 40219655

State of Missouri Certified General Real Estate Appraiser No. 2004035401

State of Louisiana Certified General Real Estate Appraiser No. 4018

State of Texas Certified General Real Estate Appraiser No. TX-1338818-G

#### **III. Professional Experience**

Partner, Novogradac & Company LLP

Principal, Novogradac & Company LLP

Manager, Novogradac & Company LLP

Real Estate Analyst, Novogradac & Company LLP

Corporate Financial Analyst, Deloitte & Touche LLP

#### IV. Professional Training

Various Continuing Education Classes as required by licensing, 2016 & 2017

USPAP Update, January 2016

Forecasting Revenue, June 2015

Discounted Cash Flow Model, June 2015

Business Practices and Ethics, April 2015

**HUD MAP Training - June 2013** 

The Appraiser as an Expert Witness: Preparation & Testimony, April 2013

How to Analyze and Value Income Properties, May 2011

Appraising Apartments - The Basics, May 2011

HUD MAP Third Party Tune-Up Workshop, September 2010

# Rebecca S. Arthur, MAI - Qualifications Page 2

HUD MAP Third Party Valuation Training, June 2010
HUD LEAN Third Party Training, January 2010
National Uniform Standards of Professional Appraisal Practice, April 2010
MAI Comprehensive Four Part Exam, July 2008
Report Writing & Valuation Analysis, December 2006
Advanced Applications, October 2006
Highest and Best Use and Market Analysis, July 2005
HUD MAP – Valuation Advance MAP Training, April 2005
Advanced Sales Comparison and Cost Approaches, April 2005
Advanced Income Capitalization, October 2004
Basic Income Capitalization, September 2003
Appraisal Procedures, October 2002
Appraisal Principals, September 2001

#### V. Real Estate Assignments

A representative sample of Valuation or Consulting Engagements includes:

- In general, have managed and conducted numerous market analyses and appraisals for various types of commercial real estate since 2001, with an emphasis on multifamily housing and land.
- Have managed and conducted numerous market and feasibility studies for multifamily housing. Properties types include Section 42 Low Income Housing Tax Credit (LIHTC) Properties, Section 8, USDA and/or conventional. Local housing authorities, developers, syndicators, HUD and lenders have used these studies to assist in the financial underwriting and design of multifamily properties. Analysis typically includes; unit mix determination, demand projections, rental rate analysis, competitive property surveying, and overall market analysis. The Subjects include both new construction and rehabilitation properties in both rural and metro regions throughout the United States and its territories.
- Have managed and conducted numerous appraisals of multifamily housing. Appraisal
  assignments typically involved determining the as is, as if complete and the as if complete and
  stabilized values. Additionally, encumbered LIHTC and unencumbered values were typically
  derived. The three traditional approaches to value are developed with special methodologies
  included to value tax credit equity, below market financing and PILOT agreements.
- Performed market studies and appraisals of proposed new construction and existing properties under the HUD Multifamily Accelerated Processing (MAP) program. These reports meet the requirements outlined in HUD Handbook 4465.1 and Chapter 7 of the HUD MAP Guide for 221(d)(4) and 223(f) programs, as well as the LIHTC PILOT Program.
- Performed numerous market study/appraisals assignments for USDA RD properties in several states in conjunction with acquisition rehabilitation redevelopments. Documents are used by states, FannieMae, USDA, and the developer in the underwriting process. Market studies are compliant to State, FannieMae, and USDA requirements. Appraisals are compliant to FannieMae and USDA HB-1-3560 Chapter 7 and Attachments.
- Completed numerous FannieMae and FreddieMac appraisals of affordable and market rate multi-family properties for DUS Lenders.
- Managed and Completed numerous Section 8 Rent Comparability Studies in accordance with

# Rebecca S. Arthur, MAI - Qualifications Page 3

HUD's Section 8 Renewal Policy and Chapter 9 for various property owners and local housing authorities.

- Managed and conducted various City and County-wide Housing Needs Assessments in order to determine the characteristics of existing housing, as well as determine the need for additional housing within designated areas.
- Performed numerous valuations of the General and/or Limited Partnership Interest in a real estate transaction, as well as LIHTC Year 15 valuation analysis.

#### VI. Speaking Engagements

A representative sample of industry speaking engagements follows:

- Institute for Professional Education and Development (IPED): Tax Credit Seminars
- Institute for Responsible Housing Preservation (IRHP): Annual Meetings
- Midwest FHA Lenders Conference: Annual Meetings
- Southwest FHA Mortgage Association Lenders Conference: Annual Meetings
- National Council of Housing Market Analysts (NCHMA): Seminars and Workshops
- National Council of State Housing Agencies: Housing Credit Connect Conferences
- National Leased Housing Association: Annual Meeting
- Nebraska's County Assessors: Annual Meeting
- Novogradac & Company LLP: LIHTC, Developer and Bond Conferences
- AHF Live! Affordable Housing Finance Magazine Annual Conference
- Kansas Housing Conference
- California Council for Affordable Housing (CCAH) Meetings

# STATEMENT OF PROFESSIONAL QUALIFICATIONS BRIAN NEUKAM

#### **EDUCATION**

Georgia Institute of Technology, Bachelor of Industrial Engineering, 1995

State of Georgia Certified General Real Property Appraiser No. 329471

#### PROFESSIONAL TRAINING

National USPAP and USPAP Updates General Appraiser Market Analysis and Highest & Best Use General Appraiser Sales Comparison Approach General Appraiser Site Valuation and Cost Approach General Appraiser Income Capitalization Approach I and II General Appraiser Report Writing and Case Studies

#### **EXPERIENCE**

Novogradac & Company LLP, Manager, September 2015- Present

J Lawson & Associates, Associate Appraiser, October 2013- September 2015 Carr, Lawson, Cantrell, & Associates, Associate Appraiser, July 2007-October 2013

#### **REAL ESTATE ASSIGNMENTS**

A representative sample of due diligence, consulting or valuation assignments includes:

- Prepare market studies and appraisals throughout the U.S. for proposed and existing family and senior Low-Income Housing Tax Credit (LIHTC), market rate, HOME financed, USDA Rural Development, and HUD subsidized properties. Appraisal assignments involve determining the as is, as if complete, and as if complete and stabilized values.
- Conduct physical inspections of subject properties and comparables to determine condition and evaluate independent physical condition assessments.
- Performed valuations of a variety of commercial properties throughout the Southeast which included hotels, gas stations and convenience stores, churches, funeral homes, full service and fast-food restaurants, stand-alone retail, strip shopping centers, distribution warehouse and manufacturing facilities, cold storage facilities, residential and commercial zoned land, and residential subdivision lots. Intended uses included first mortgage, refinance, foreclosure/repossession (REO), and divorce.
- Employed discounted cash flow analysis (utilizing Argus or Excel) to value income producing properties and prepare or analyze cash flow forecasts.
- Reviewed and analyzed real estate leases, including identifying critical lease data such as commencement/expiration dates, various lease option types, rent and other income, repair and maintenance obligations, Common Area Maintenance (CAM), taxes, insurance, and other important lease clauses.

#### STATEMENT OF PROFESSIONAL QUALIFICATIONS

#### **Travis Jorgenson**

#### I. Education

Georgia Institute of Technology- Atlanta, GA Bachelors of Business Administration and Management, General Management

#### II. Professional Experience

Junior Analyst, Novogradac & Company LLP, July 2017 – Present Claims Analyst, Zelis Healthcare, May 2017-July 2017 Automotive Research Intern, Hearst Autos, October 2016-May 2017

#### III. Research Assignments

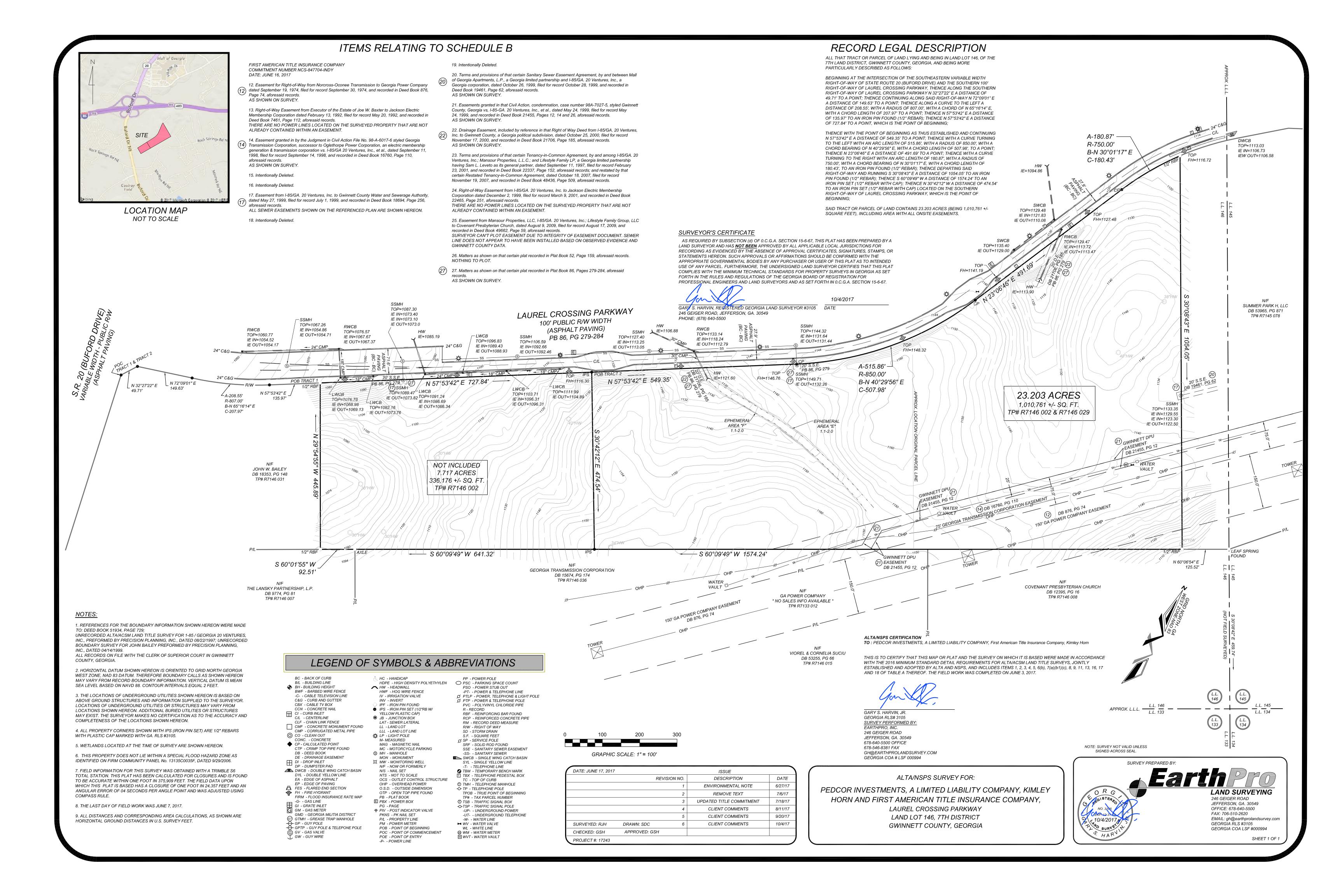
A representative sample of work on various types of projects:

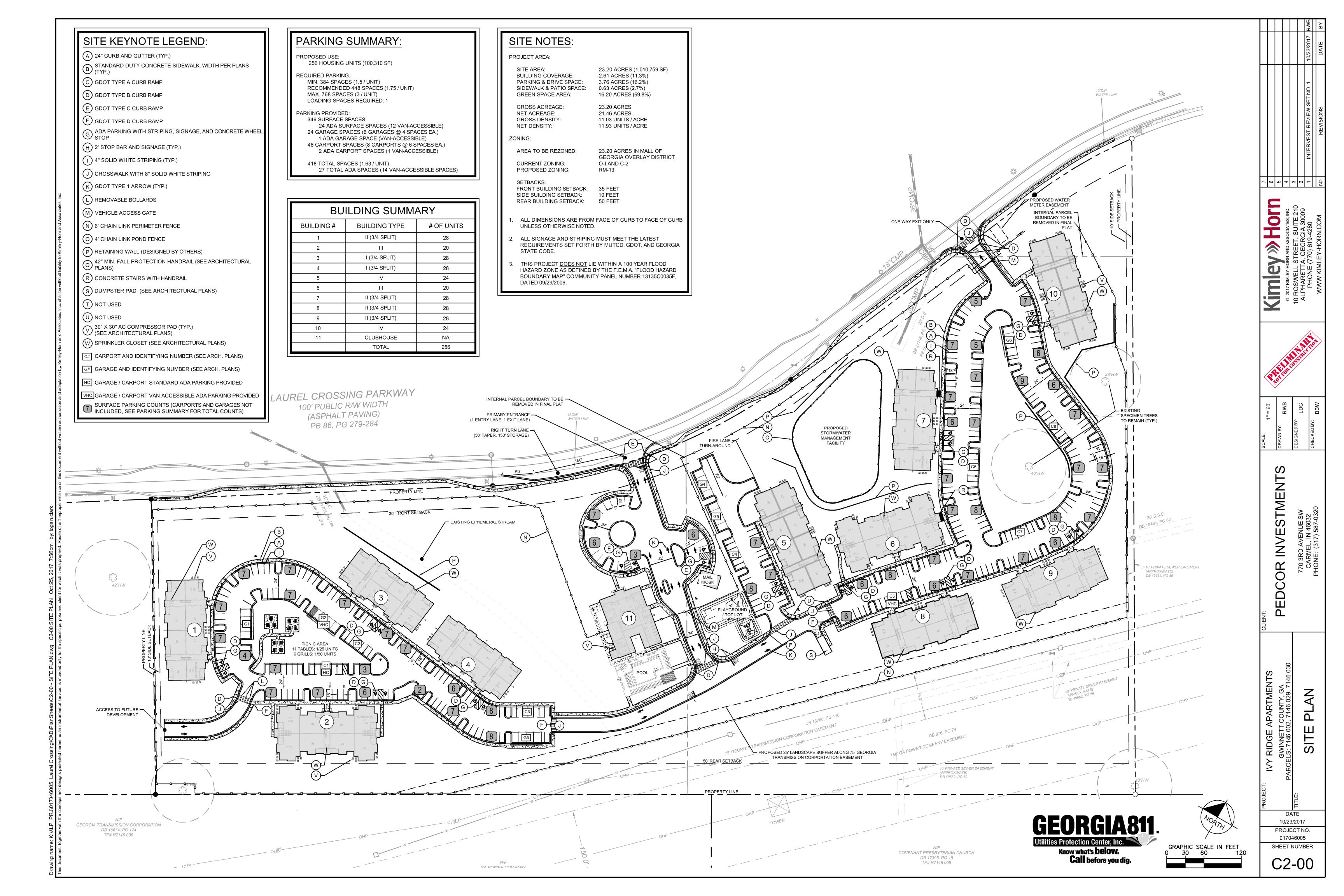
- Assist in performing and writing market studies and appraisals of proposed and existing Low-Income Housing Tax credit (LIHTC) properties
- Research web-based rent reasonableness systems and contact local housing authorities for utility allowance schedules, payment standards, and housing choice voucher information
- Assisted numerous market and feasibility studies for family and senior affordable housing. Local housing authorities, developers, syndicators and lenders have used these studies to assist in the financial underwriting and design of market-rate and Low-Income Housing Tax Credit (LIHTC) properties. Analysis typically includes: unit mix determination, demand projections, rental rate analysis, competitive property surveying and overall market analysis.

ADDENDUM D Summary Matrix SUMMARY MATRIX

SUMMARY MATRIX														
Comp #	Property Name	Distance to Subject	Type / Built / Renovated	Rent Structure	Unit Description	#	%	Size (SF)	Restriction	Rent (Adj)	Max Rent?	Waiting List?	Vacant Units	Vacancy Rate
Subject	Ivy Ridge	-	Garden	@60%	1BR / 1BA	12	4.7%	754	@60%	\$782	Yes	N/A	N/A	N/A
	1525 Laurel Crossing Parkway NE Buford, GA 30519	F	(4 stories) Proposed 2019 / n/a		1BR / 1BA 2BR / 2BA	100 128	39.1% 50.0%	770 1,076	@60% @60%	\$782 \$934	Yes Yes	N/A N/A	N/A N/A	N/A N/A
	Gwinnett County		Family		3BR / 2BA	8	3.1%	1,226	@60%	\$1,069	Yes	N/A	N/A	N/A
	,		*		3BR / 2BA	8	3.1%	1,247	@60%	\$1,069	Yes	N/A	N/A	N/A
						256	100.0%					N/A	N/A	N/A
1	Alexander Mill 158 Paper Mill Road	6.8 miles	Garden (3 stories)	@60%	2BR / 2BA 3BR / 2BA	157 67	70.1% 29.9%	1,094 1,280	@60% @60%	\$976 \$1,118	Yes Yes	No No	5 1	3.2% 1.5%
	Lawrenceville, GA 30045		2002 / n/a		JUN ZUN	01	29.970	1,200	@0070	Ψ1,110	163	NO	_	1.5%
	Gwinnett County		Family					_						
2	Ashton Creek Apartments	7.2 miles	Garden	@60%	1BR / 1BA	224 32	100.0% 22.9%	822	@60%	\$820	Yes	Yes	<u>6</u>	2.7% 0.0%
2	239 New Hope Road	7.2 1111163	(3 stories)	@00%	2BR / 2BA	58	41.4%	1,086	@60%	\$981	Yes	Yes	0	0.0%
	Lawrenceville, GA 30045		2003 / n/a		3BR / 2BA	24	17.1%	1,209	@60%	\$1,129	Yes	Yes	ō	0.0%
	Gwinnett County		Family		4BR / 3BA	26	18.6%	1,460	@60%	\$1,251	Yes	Yes	0	0.0%
3	Magnolia Village	6.8 miles	Garden	SEON SCON Mades	1BR / 1BA	140 19	100.0%	975	@50%	\$680	Yes	Yes	0	0.0%
3	287 East Crogan	0.6 miles	(3 stories)	@50%, @60%, Market	1BR / 1BA	8	4.2%	975	@60%	\$825	Yes	Yes	0	0.0%
	Lawrenceville, GA 30045		2002 / n/a		1BR / 1BA	9	4.7%	975	Market	\$943	N/A	Yes	0	0.0%
	Gwinnett County		Family		2BR / 2BA	47	24.7%	1,175	@50%	\$807	Yes	Yes	0	0.0%
					2BR / 2BA	47	24.7%	1,175	@60% Market	\$980	Yes	Yes	1	2.1%
					2BR / 2BA 3BR / 2BA	24 20	12.6% 10.5%	1,175 1,375	Market @50%	\$1,061 \$894	N/A No	Yes Yes	1	4.2% 0.0%
					3BR / 2BA	8	4.2%	1,375	@60%	\$1,134	Yes	Yes	Ö	0.0%
					3BR / 2BA	8	4.2%	1,375	Market	\$1,203	N/A	Yes	0	0.0%
	District District	4.0 7	01		4DD (4D4	190	100.0%	005	0000/	<b>\$700</b>	NI.	V	2	1.1%
4	Plantation Ridge 1022 Level Creek Road	4.6 miles	Garden (3 stories)	@60%, Market	1BR / 1BA 1BR / 1BA	20 20	9.2% 9.2%	885 885	@60% Market	\$780 \$973	No N/A	Yes No	0	0.0%
	Sugar Hill, GA 30518		(3 stories) 1998 / n/a		2BR / 2BA	60	9.2% 27.5%	1,086	@60%	\$973 \$943	N/A No	Yes	0	0.0%
	Gwinnett County		Family		2BR / 2BA	40	18.3%	1,086	Market	\$1,126	N/A	No	0	0.0%
					3BR / 2BA	50	22.9%	1,284	@60%	\$1,092	No	Yes	0	0.0%
					3BR / 2BA	28	12.8%	1,284	Market	\$1,398	N/A	No	0	0.0%
5	Reserve At Ivy Creek	0.7 miles	Garden	@60%, Market	1BR / 1BA	218 38	100.0% 12.5%	975	@60%	\$818	Yes	Yes	0	0.0%
ŭ	1869 Appaloosa Lane	0.1 1111100	(3 stories)	e00%, Market	1BR / 1BA	4	1.3%	975	Market	\$1,023	N/A	Yes	Ö	0.0%
	Buford, GA 30519		2004 / n/a		2BR / 2BA	189	62.0%	1,175	@60%	\$927	Yes	Yes	0	0.0%
	Gwinnett County		Family		2BR / 2BA	21	6.9%	1,175	Market	\$1,086	N/A	Yes	0	0.0%
					3BR / 2BA 3BR / 2BA	25 28	8.2% 9.2%	1,350 1,350	@60% Market	\$1,148 \$1,193	Yes N/A	Yes Yes	0	0.0%
					JDR / ZDA	305	100.0%	1,330	iviairet	Ф1,193	IV/A	162	0	0.0%
6	The View At Sugarloaf	4.4 miles	Garden	@50%, @60%, Non-	2BR / 2BA	8	6.2%	974	@50%	\$766	Yes	No	N/A	N/A
	5355 Sugarloaf Parkway		(2 stories)	Rental	2BR / 2BA	44	33.8%	974	@60%	\$935	Yes	No	N/A	N/A
	Lawrenceville, GA 30043		1994 / 2013		3BR / 2BA	5	3.8%	1,143	@50% @50%	\$835	Yes	No	N/A	N/A
	Gwinnett County		Family		3BR / 2BA 3BR / 2BA	8 25	6.2% 19.2%	1,197 1,143	@50% @60%	\$870 \$1,065	Yes Yes	No No	N/A N/A	N/A N/A
					3BR / 2BA	39	30.0%	1,197	@60%	\$1,065	Yes	No	N/A	N/A
					3BR / 2BA	_1	0.8%	1,143	Non-Rental	-	N/A	No	0	0.0%
-	December 44 MCH Const.	0.0 "	01		4DD (4D4	130	100.0%	007		\$4.050	A1 / A	News	3	2.3%
7	Preserve At Mill Creek 1400 Mall Of Georgia Blvd	0.9 miles	Garden (4 stories)	Market	1BR / 1BA 1BR / 1BA	30 169	7.5% 42.3%	697 866	Market Market	\$1,058 \$1,168	N/A N/A	None None	2	6.7% 0.0%
	Buford, GA 30519		2001 / n/a		2BR / 2BA	171	42.8%	1,150	Market	\$1,331	N/A	None	3	1.8%
	Gwinnett County		Family		3BR / 2BA	30	7.5%	1,406	Market	\$1,423	N/A	None	0	0.0%
						400	100.0%						5	1.3%
8	Preston Hills At Mill Creek 2910 Buford Drive	0.7 miles	Garden (1 stories)	Market	1BR / 1BA 1BR / 1.5BA	68 98	14.7% 21.1%	828 919	Market Market	\$1,018 \$1,220	N/A N/A	No No	2	2.9% 3.1%
	Buford, GA 30519		2000 / n/a		2BR / 2BA	188	40.5%	1,177	Market	\$1,441	N/A	No	1	0.5%
	Gwinnett County		Family		2BR / 2BA	64	13.8%	1,287	Market	\$1,627	N/A	No	4	6.3%
					3BR / 2BA	46	9.9%	1,426	Market	\$1,560	N/A	No	2	4.3%
9	Summer Park Apartments	0.0 miles	Garden	Mauliat	1BR / 1BA	464 52	100.0% 14.5%	676	Market	\$1,053	NI/A	No	12 1	2.6%
9	1525 Laurel Crossing Parkway	0.0 miles	(3 stories)	Market	1BR / 1BA	4	1.1%	697	Market Market	\$1,053	N/A N/A	No No	0	0.0%
	Buford, GA 30519		2001 / n/a		1BR / 1BA	44	12.3%	792	Market	\$1,040	N/A	No	1	2.3%
	Gwinnett County		Family		1BR / 1BA	12	3.4%	877	Market	\$1,149	N/A	No	0	0.0%
					2BR / 1BA	63	17.6%	1,053	Market	\$1,456	N/A	No	2	3.2%
					2BR / 1BA 2BR / 2BA	3 104	0.8% 29.1%	1,100 1,216	Market Market	\$1,278 \$1,476	N/A N/A	No No	0 2	0.0% 1.9%
					2BR / 2BA	36	10.1%	1,210	Market	\$1,478	N/A	No	0	0.0%
					3BR / 2BA	30	8.4%	1,411	Market	\$1,548	N/A	No	1	3.3%
					3BR / 2BA	10	2.8%	1,451	Market	\$1,456	N/A	No	0	0.0%
10	The Overlook At Gwinnett Stadium	1.4 miles	Garden	Market	1BR / 1BA	358 113	100.0% 27.6%	837	Market	\$1,183	N/A	No	7	2.0%
10	1600 Overlook Park Lane	1.4 IIIIES	(4 stories)	walket	1BR / 1BA	92	22.4%	746	Market	\$1,183	N/A	No	1	1.1%
	Lawrenceville, GA 30043		2009 / n/a		2BR / 2BA	28	6.8%	1,050	Market	\$1,511	N/A	No	3	10.7%
	Gwinnett County		Family		2BR / 2BA	25	6.1%	1,174	Market	\$1,526	N/A	No	1	4.0%
					2BR / 2BA	49 10	12.0% 2.4%	1,175	Market	\$1,526	N/A	No	1 0	2.0%
					2BR / 2BA 2BR / 2BA	71	2.4% 17.3%	1,190 1,257	Market Market	\$1,444 \$1,541	N/A N/A	No No	2	2.8%
					3BR / 2BA	22	5.4%	1,401	Market	\$1,545	N/A	No	0	0.0%
						410	100.0%	•					10	2.4%
11	The Terraces At Suwanee Gateway	4.3 miles	Garden	Market	1BR / 1BA	134	40.0%	806	Market	\$1,371	N/A	No	0	0.0%
	480 Northolt Pkwy Suwanee, GA 30024		(4 stories) 2013 / n/a		2BR / 2BA 3BR / 2BA	154 47	46.0% 14.0%	1,195 1,427	Market Market	\$1,545 \$1,844	N/A N/A	No No	2	1.3% 0.0%
	Gwinnett County		Family		JUN / ZDA	41	14.070	±,4∠1	ividinet	Ψ±,044	IN/ A	INU	U	0.0%
			,			335	100.0%						2	0.6%
12	The Views At Coolray Field	1.1 miles	Lowrise	Market	1BR / 1BA	135	65.5%	695	Market	\$1,394	N/A	No	3	2.2%
	755 Braves Avenue		(4 stories)		2BR / 1BA	71	34.5%	1,061	Market	\$2,226	N/A	No	3	4.2%
	Lawrenceville, GA 30043 Gwinnett County		2015 / n/a Family											
	Gwinnett County		ranilly			206	100.0%	-					- 6	2.9%
						∠06	TOO:0%						ь	2

ADDENDUM E Subject Floor Plans





# **GENERAL FLOOR PLAN NOTES**

A. REFER TO STRUCTURAL PLANS FOR TRUSS CONFIGURATION, LOCATION, AND SPACING. POSITION TRUSSES SO THEY DO NOT INTERFERE WITH PLUMBING AND MECHANICAL ROUTING. B. ALL EXTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE.

ALL INTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. SEE STRUCTURAL FOR SPACING REQUIREMENTS. C. ALL DIMENSIONS ARE FROM FACE TO FACE OF STUDS. D. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS, SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION

REGARDING SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS. INCLUDE FIRE PROTECTION NOT SHOWN ON PLANS. E. SEAL AROUND ALL PENETRATIONS TO INSURE TIGHT BUILDING

F. PROVIDE FIRE SEALANT AROUND ALL PENETRATIONS THROUGH RATED WALLS.

G. ALL WALLS ARE PAINTED UNLESS NOTED OTHERWISE. H. REFER TO A500 SERIES FOR TYPICAL FRAMING DETAILS. ROOF ANCHORS SHOWN FOR REFERENCE, ACTUAL LOCATION AND ATTACHMENT METHOD TO BE DEFINED BY MANUFACTURER.

SYSTEM BELOW TO INSURE PROPER SYSTEM LOADS. J. PATIO SLOPES SHALL BE 1/4" PER FOOT MAX. K. PROVIDE CONTROL JOINTS IN GYPSUM BOARD ASSEMBLIES AS RECOMMENDED BY MANUFACTURER. PROVIDE CJ IN CEILINGS SO NO DIMENSION EXCEEDS 50' IN EITHER DIRECTION WHERE THERE IS PERIMETER RELIEF OR 30' IN EITHER DIRECTION WITHOUT PERIMETER RELIEF. DO NOT SEPARATE SUSPENSION SYSTEM. CAULK JOINT AND PAINT TO MATCH.

### **BUILDING PLAN KEYNOTES**

- 1) 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
- 2 ) 2 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
- 3 METER CENTER, SEE ELECTRICAL DRAWINGS.
- 4 DOWNSPOUT, SEE ROOF PLANS FOR MORE INFORMATION, DISCHARGE WATER 6' MIN FROM BUILDING.
- SPRINKLER CLOSET, ONLY OCCURS ON ONE END OF BUILDING, SEE ARCHITECTURAL SITE PLAN FOR LOCATION. PROVIDE DENSGLASS OR SIMILAR EXTERIOR RATED SHEATHING AT INTERIOR WALLS AND CEILING.
- (6) VERTICAL RADON VENT, COORDINATE EXACT LOCATION OF RADON VENT SYSTEM WITH MECHANICAL.
- MECHANICAL EQUIPMENT PAD, SEE FOUNDATION PLANS FOR SIZE AND LOCATION.
- (8) NOT USED
- AREA OF FIRE RETARDANT PLYWOOD SHEATHING, CENTERED ABOVE 2-HR FIRE WALL, NO VENTS OR PENETRATIONS PERMITTED IN THIS AREA. 2-HR FIRE WALL CONTINUOUS FROM TOP OF FOUNDATION TO UNDERSIDE OF DECKING.
- PERFORATED TILE TO BE INSTALLED UNDER CONNECTING WALKWAY AT DOWNSPOUT, SEE SITE PLAN & CIVIL DRAWINGS FOR LOCATION OF WALKWAY.
- (11) STORAGE CLOSET
- PROVIDE CONTINUOUS GYP. BOARD AS DRAFTSTOP BETWEEN BATH TUB AND EXTERIOR WALL FRAMING. TAPE AND SEAL ALL EDGES PRIOR TO SETTING TUB.
- 13) EXTEND WALL GYP. BOARD TO CEILING AND TAPE AND SEAL JOINTS PER "AIR SEALING DETAILS" SHEET AIR SEALANT DETAILS PRIOR TO FRAMING BULKHEADS.
- (14) 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC

RATINGS" SHEETS FOR ASSEMBLY.

# **BUILDING PLAN LEGEND**

SHEAR WALL; REFER TO STRUCTURAL DRAWINGS. PLYWOOD SHEATHING TO BE ON SIDE OPPOSITE BATHROOM OR KITCHEN.

FRT PLYWOOD; EXTEND 4'-0" BOTH SIDES OF

2-HOUR RATED ASSEMBLY.

• • • • • • ATTIC DRAFTSTOPPING 1-HOUR RATED ASSEMBLY

2-HOUR RATED ASSEMBLY 1-HOUR FIRE PARTITION REQUIRED BY CODE. 2-HOUR ASSEMBLY

EXTEND RATED ASSEMBLY FROM TOP OF FOUNDATION TO UNDERSIDE OF OUTERMOST ROOF SHEATHING AND THROUGH ALL OVER-BUILD LOCATIONS. ASSEMBLY THROUGH OVER-BUILD MAY CHANGE TO (2) LAYERS 5/8" GYP. BOARD ON EACH SIDE OF FRAMING. PROVIDE FIRE RATED ROOF DECKING 48" EACH SIDE OF ASSEMBLY AT ROOF PLANE. NO PENETRATIONS IN DECKING THIS ZONE.

NOTE: SEE STRUCTURAL FOR ALL SHEAR WALL LOCATIONS.

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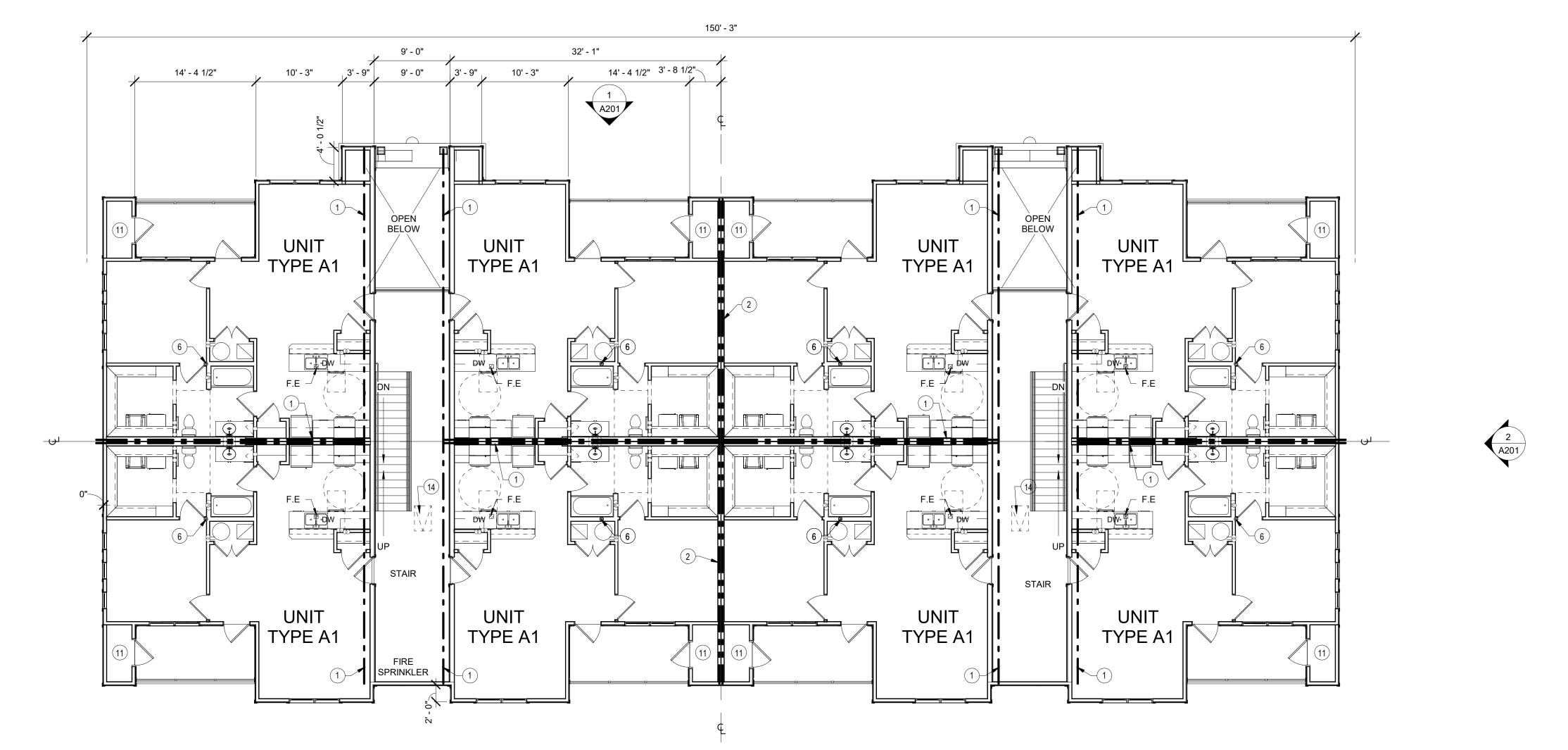
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BUILDING TYPE I FLOOR PLANS

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# **GENERAL FLOOR PLAN NOTES**

A. REFER TO STRUCTURAL PLANS FOR TRUSS CONFIGURATION, LOCATION, AND SPACING. POSITION TRUSSES SO THEY DO NOT INTERFERE WITH PLUMBING AND MECHANICAL ROUTING.

B. ALL EXTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. SEE STRUCTURAL FOR SPACING REQUIREMENTS.

C. ALL DIMENSIONS ARE FROM FACE TO FACE OF STUDS.

D. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS, SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS. INCLUDE FIRE PROTECTION NOT SHOWN ON PLANS.

E. SEAL AROUND ALL PENETRATIONS TO INSURE TIGHT BUILDING ENVELOPE.

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F. PROVIDE FIRE SEALANT AROUND ALL PENETRATIONS THROUGH RATED WALLS.
G. ALL WALLS ARE PAINTED UNLESS NOTED OTHERWISE.

H. REFER TO A500 SERIES FOR TYPICAL FRAMING DETAILS.

I. ROOF ANCHORS SHOWN FOR REFERENCE, ACTUAL LOCATION AND ATTACHMENT METHOD TO BE DEFINED BY MANUFACTURER.

COORDINATE FINAL LOCATION WITH STRUCTURAL TRUSS FRAMING SYSTEM BELOW TO INSURE PROPER SYSTEM LOADS.

J. PATIO SLOPES SHALL BE 1/4" PER SYSTEM LOADS.

SYSTEM BELOW TO INSURE PROPER SYSTEM LOADS.
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K. PROVIDE CONTROL JOINTS IN GYPSUM BOARD ASSEMBLIES AS RECOMMENDED BY MANUFACTURER. PROVIDE CJ IN CEILINGS SO NO DIMENSION EXCEEDS 50' IN EITHER DIRECTION WHERE THERE IS PERIMETER RELIEF OR 30' IN EITHER DIRECTION WITHOUT PERIMETER RELIEF. DO NOT SEPARATE SUSPENSION SYSTEM. CAULK JOINT AND PAINT TO MATCH.

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FIFTH

# **BUILDING PLAN KEYNOTES**

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- 2 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
- 3 METER CENTER, SEE ELECTRICAL DRAWINGS.
- DOWNSPOUT, SEE ROOF PLANS FOR MORE INFORMATION, DISCHARGE WATER 6' MIN FROM BUILDING.
- 5 SPRINKLER CLOSET, ONLY OCCURS ON ONE END OF BUILDING, SEE ARCHITECTURAL SITE PLAN FOR LOCATION. PROVIDE DENSGLASS OR SIMILAR EXTERIOR RATED SHEATHING AT INTERIOR WALLS AND CEILING.
- 6 VERTICAL RADON VENT, COORDINATE EXACT LOCATION OF RADON VENT SYSTEM WITH MECHANICAL.
- 7 MECHANICAL EQUIPMENT PAD, SEE FOUNDATION PLANS FOR SIZE AND LOCATION.
- 8 NOT USED
- 9 AREA OF FIRE RETARDANT PLYWOOD SHEATHING, CENTERED ABOVE 2-HR FIRE WALL, NO VENTS OR PENETRATIONS PERMITTED IN THIS AREA. 2-HR FIRE WALL CONTINUOUS FROM TOP OF FOUNDATION TO UNDERSIDE OF DECKING.
- 10 PERFORATED TILE TO BE INSTALLED UNDER CONNECTING WALKWAY AT DOWNSPOUT, SEE SITE PLAN & CIVIL DRAWINGS FOR LOCATION OF WALKWAY.
- 11) STORAGE CLOSET
- PROVIDE CONTINUOUS GYP. BOARD AS DRAFTSTOP
  BETWEEN BATH TUB AND EXTERIOR WALL FRAMING. TAPE
- EXTEND WALL GYP. BOARD TO CEILING AND TAPE AND SEAL JOINTS PER "AIR SEALING DETAILS" SHEET AIR SEALANT DETAILS PRIOR TO FRAMING BULKHEADS.

AND SEAL ALL EDGES PRIOR TO SETTING TUB.

14 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.

### **BUILDING PLAN LEGEND**

SHEAR WALL; REFER TO STRUCTURAL DRAWINGS. PLYWOOD SHEATHING TO BE ON SIDE OPPOSITE BATHROOM OR KITCHEN.

FRT PLYWOOD; EXTEND 4'-0" BOTH SIDES OF 2-HOUR RATED ASSEMBLY.

ATTIC DRAFTSTOPPING

1-HOUR RATED ASSEMBLY

2-HOUR RATED ASSEMBLY

BUILDING TYPE I SECOND & THIRD FLOOR PLAN
1/8" = 1'-0"

\*NOTE:

1-HOUR FIRE PARTITION REQUIRED BY CODE. 2-HOUR ASSEMBLY
TO BE CONSTRUCTED PER OWNER REQUIREMENTS.

EXTEND RATED ASSEMBLY FROM TOP OF FOUNDATION TO UNDERSIDE OF OUTERMOST ROOF SHEATHING AND THROUGH ALL OVER-BUILD LOCATIONS. ASSEMBLY THROUGH OVER-BUILD MAY CHANGE TO (2) LAYERS 5/8" GYP. BOARD ON EACH SIDE OF FRAMING. PROVIDE FIRE RATED ROOF DECKING 48" EACH SIDE OF ASSEMBLY AT ROOF PLANE. NO PENETRATIONS IN DECKING THIS ZONE.

NOTE: SEE STRUCTURAL FOR ALL SHEAR WALL LOCATIONS.

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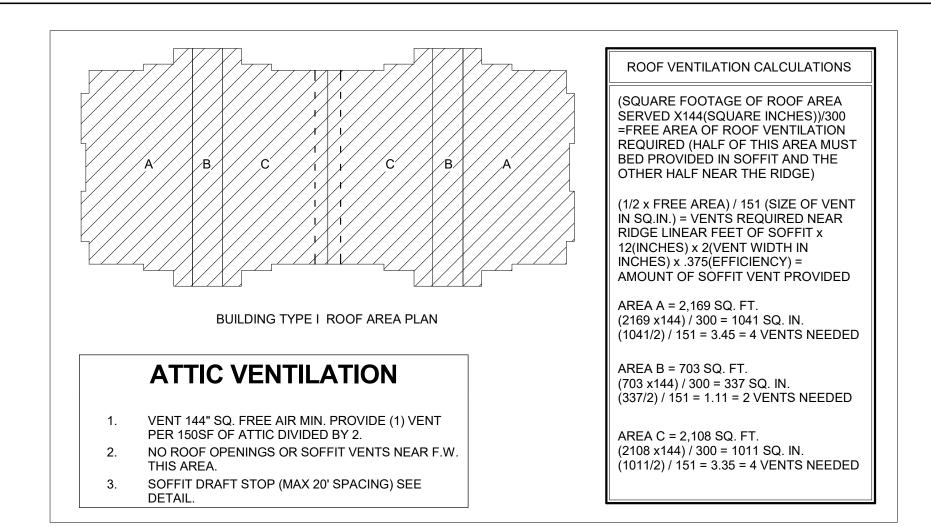
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10/06/2017
SHEET NAME
BUILDING TYPE I FLOOR
PLANS

SHEET NO.
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1 BUILDING TYPE I ROOF PLAN
1/8" = 1'-0"

# **GENERAL ROOF PLAN NOTES**

- A. DETAILED FLOOR AND ROOF TRUSS FRAMING AND DIAGRAMS ARE TO BE FURNISHED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS TO BE LOCATED.

  B. THE TRUSS MANUFACTURER SHALL PROVIDE ENGINEERED PERMANENT ROOF TRUSS BRACING AS REQUIRED BY THE CODE.

  C. LOCATE HIGH-POINT OF GUTTER AT MID-SPAN IN BETWEEN DOWNSPOUTS UNLESS INDICATED OTHERWISE ON THE ROOF PLAN.

  D. GUTTERS TO BE 4" WIDE X 4" DEEP. SLOPE TO BE 1/16" PER
- 1'-0". DOWNSPOUTS TO BE 3" WIDE X 2" DEEP.

  E. DOWNSPOUTS TO BE PROVIDED WITH EXTENSIONS TO ENSURE ALL WATER DISCHARGES NO LESS THAN 6' FROM BUILDING FOUNDATION.
- F. ROOF ANCHORS WITH BASE FLASHING AND RISER BOOT BY SUPER ANCHOR SAFETY. MODEL #2830 FOR INSTALLATION ONTO 2X4 TRUSS CHORD. ROOF ANCHORS SHOWN FOR REFERENCE, ACTUAL LOCATION AND ATTACHMENT METHOD TO BE DEFINED BY MANUFACTURER. COORDINATE FINAL LOCATION WITH STRUCTURAL TRUSS FRAMING SYSTEM BELOW TO INSURE PROPER
- SYSTEM LOADS.
  G. EXTEND ALL RATED PARTITIONS BETWEEN UNITS TO BOTTOM OF OUTERMOST ROOF PLANE, THROUGH SOFFITS AND OVER-BUILD TO CREATE A CONTINUOUS PARTITION. ROOF DECK TO BE LAYER OF SHEATHING DIRECTLY BELOW SHINGLES. UTILIZE MONO-TRUSS CONFIGURATION WHERE POSSIBLE WITH 2X4 FRAMING TURNED SIDEWAYS AT 24" OC PER UL ASSEMBLY U338.
- SIDEWAYS AT 24" OC PER UL ASSEMBLY U338.
  H. THE ENTIRE BUILDING ENVELOPE INCLUDING ROOF, WALLS, & FLOORS TO BE DRIED IN PRIOR TO THE STORAGE AND INSTALLATION OF INTERIOR FINISH MATERIALS. IN ADDITION, THE OWNER'S REPRESENTATIVE IS RESPONSIBLE FOR VERIFYING THAT THERE HAS BEEN NO EVIDENCE OF WATER PENETRATING THE BUILDING ENVELOPE OR WATER LEAK FROM MECHANICAL AND/OR FIRE SPRINKLER SYSTEMS PRIOR TO ENCLOSING THE WALL, CEILING OR ROOF CAVITIES.
- I. FRAMING SUB-CONTRACTOR AND PANEL MANUFACTURER TO REVIEW BUILDINGS SECTIONS TO ACCOMMODATE RATED WALL ASSEMBLIES. ALL DEMISING PARTITIONS BETWEEN UNITS SHOWN AS 1 HR. OR 2 HR. TO EXTEND TO OUTER MOST LAYER OF ROOF DECKING BELOW SHINGLE LAYER. RATED WALLS AROUND STAIR TOWER TO STOP AT RATED CEILING ASSEMBLY, BUT DEMISING PARTITION AT UNITS MUST EXTEND TO EDGE OF SOFFIT.

  J. PROVIDE ICE & WATER SHIELD AROUND ALL PENETRATIONS.
- K. TRUSS MANUFACTURER TO COORDINATE ROOF TRUSSES WITH ARCH. TO INCLUDE SUFFICIENT HEAL HEIGHT TO ACCOMMODATE FULL DEPTH OF REQUIRED INSULATION AND AN AIR BAFFLE TO EXTERIOR FACE OF WALL.

  J. PROVIDE A 24X36 MIN. OPENING TO ALL ROOF CAVITIES TO
- EXTERIOR FACE OF WALL.

  L. PROVIDE A 24X36 MIN. OPENING TO ALL ROOF CAVITIES TO CONNECT TO THE MAIN VOLUME OF SPACE FOR VENTING AND ACCESS. RIDGE VENTS MAY BE USED AT GABLES ONLY.

  M. REFER TO FINISH SCHEDULE FOR COLOR SELECTIONS.

# **ROOF PLAN LEGEND**

- ATTIC DRAFTSTOP: EXTEND WALL GYP. BOARD TO CEILING AND TAPE AND SEAL JOINTS PER A500 SERIES AIR SEALANT DETAILS PRIOR TO FRAMING BULKHEADS.
- FR SHEATHING: AREA OF FIRE RETARDANT PLYWOOD SHEATHING, CENTERED ABOVE 2-HR FIREWALL, NO VENTS OR PENETRATIONS PERMITTED IN THIS AREA. STAGGER JOINTS.
- ROOF ANCHOR SUPER ANCHOR SAFETY
- (R4) ATTIC ACCESS FROM BELOW
- R5 NOT USED
- (R6) METAL DOWNSPOUT: SEE GENERAL ROOF PLAN NOTES
- SEAMLESS METAL GUTTER: SEE GENERAL ROOF
- PLAN NOTES

  (R8) ROOF VENT WITH ONE SQ. FT. FREE AREA
- R9 ATTIC ACCESS THROUGH DRAFTSTOPPING MAY VARY ALONG
- WALL, SEE DETAILS
- R10 RIDGE VENT

#### **BUILDING PLAN LEGEND**

SHEAR WALL; REFER TO STRUCTURAL DRAWINGS. PLYWOOD SHEATHING TO BE ON SIDE OPPOSITE BATHROOM OR KITCHEN.

FRT PLYWOOD; EXTEND 4'-0" BOTH SIDES OF 2-HOUR RATED ASSEMBLY.

ATTIC DRAFTSTOPPING

- - 1-HOUR RATED ASSEMBLY

2-HOUR RATED ASSEMBLY

\*NOTE:
1-HOUR FIRE PARTITION REQUIRED BY CODE. 2-HOUR ASSEMBLY
TO BE CONSTRUCTED PER OWNER REQUIREMENTS.

EXTEND RATED ASSEMBLY FROM TOP OF FOUNDATION TO UNDERSIDE OF OUTERMOST ROOF SHEATHING AND THROUGH ALL OVER-BUILD LOCATIONS. ASSEMBLY THROUGH OVER-BUILD MAY CHANGE TO (2) LAYERS 5/8" GYP. BOARD ON EACH SIDE OF FRAMING. PROVIDE FIRE RATED ROOF DECKING 48" EACH SIDE OF ASSEMBLY AT ROOF PLANE. NO PENETRATIONS IN DECKING THIS ZONE.

NOTE: SEE STRUCTURAL FOR ALL SHEAR WALL LOCATIONS.

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PLANS

# **GENERAL FLOOR PLAN NOTES**

A. REFER TO STRUCTURAL PLANS FOR TRUSS CONFIGURATION, LOCATION, AND SPACING. POSITION TRUSSES SO THEY DO NOT INTERFERE WITH PLUMBING AND MECHANICAL ROUTING. B. ALL EXTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. SEE STRUCTURAL FOR SPACING REQUIREMENTS.

C. ALL DIMENSIONS ARE FROM FACE TO FACE OF STUDS D. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS, SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS. INCLUDE FIRE PROTECTION NOT SHOWN ON PLANS. E. SEAL AROUND ALL PENETRATIONS TO INSURE TIGHT BUILDING

F. PROVIDE FIRE SEALANT AROUND ALL PENETRATIONS THROUGH

G. ALL WALLS ARE PAINTED UNLESS NOTED OTHERWISE. H. REFER TO A500 SERIES FOR TYPICAL FRAMING DETAILS. ROOF ANCHORS SHOWN FOR REFERENCE, ACTUAL LOCATION AND ATTACHMENT METHOD TO BE DEFINED BY MANUFACTURER. COORDINATE FINAL LOCATION WITH STRUCTURAL TRUSS FRAMING SYSTEM BELOW TO INSURE PROPER SYSTEM LOADS.

J. PATIO SLOPES SHALL BE 1/4" PER FOOT MAX. K. PROVIDE CONTROL JOINTS IN GYPSUM BOARD ASSEMBLIES AS RECOMMENDED BY MANUFACTURER. PROVIDE CJ IN CEILINGS SO NO DIMENSION EXCEEDS 50' IN EITHER DIRECTION WHERE THERE IS PERIMETER RELIEF OR 30' IN EITHER DIRECTION WITHOUT PERIMETER RELIEF. DO NOT SEPARATE SUSPENSION SYSTEM. CAULK JOINT AND PAINT TO MATCH.

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# **BUILDING PLAN KEYNOTES**

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- (2) 2 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
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- (4) DOWNSPOUT, SEE ROOF PLANS FOR MORE INFORMATION, DISCHARGE WATER 6' MIN FROM BUILDING.
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- (6) VERTICAL RADON VENT, COORDINATE EXACT LOCATION OF RADON VENT SYSTEM WITH MECHANICAL.
- MECHANICAL EQUIPMENT PAD, SEE FOUNDATION PLANS FOR SIZE AND LOCATION.

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# **BUILDING PLAN LEGEND**

SHEAR WALL; REFER TO STRUCTURAL DRAWINGS. PLYWOOD SHEATHING TO BE ON

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2-HOUR RATED ASSEMBLY.

• • • • • ATTIC DRAFTSTOPPING 1-HOUR RATED ASSEMBLY

\*NOTE:
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NOTE: SEE STRUCTURAL FOR ALL SHEAR WALL LOCATIONS.

REVISIONS DATE NO.

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10/06/2017

SHEET NAME **BUILDING TYPE II** FLOOR PLANS

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- (14) 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.

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1-HOUR RATED ASSEMBLY

2-HOUR RATED ASSEMBLY

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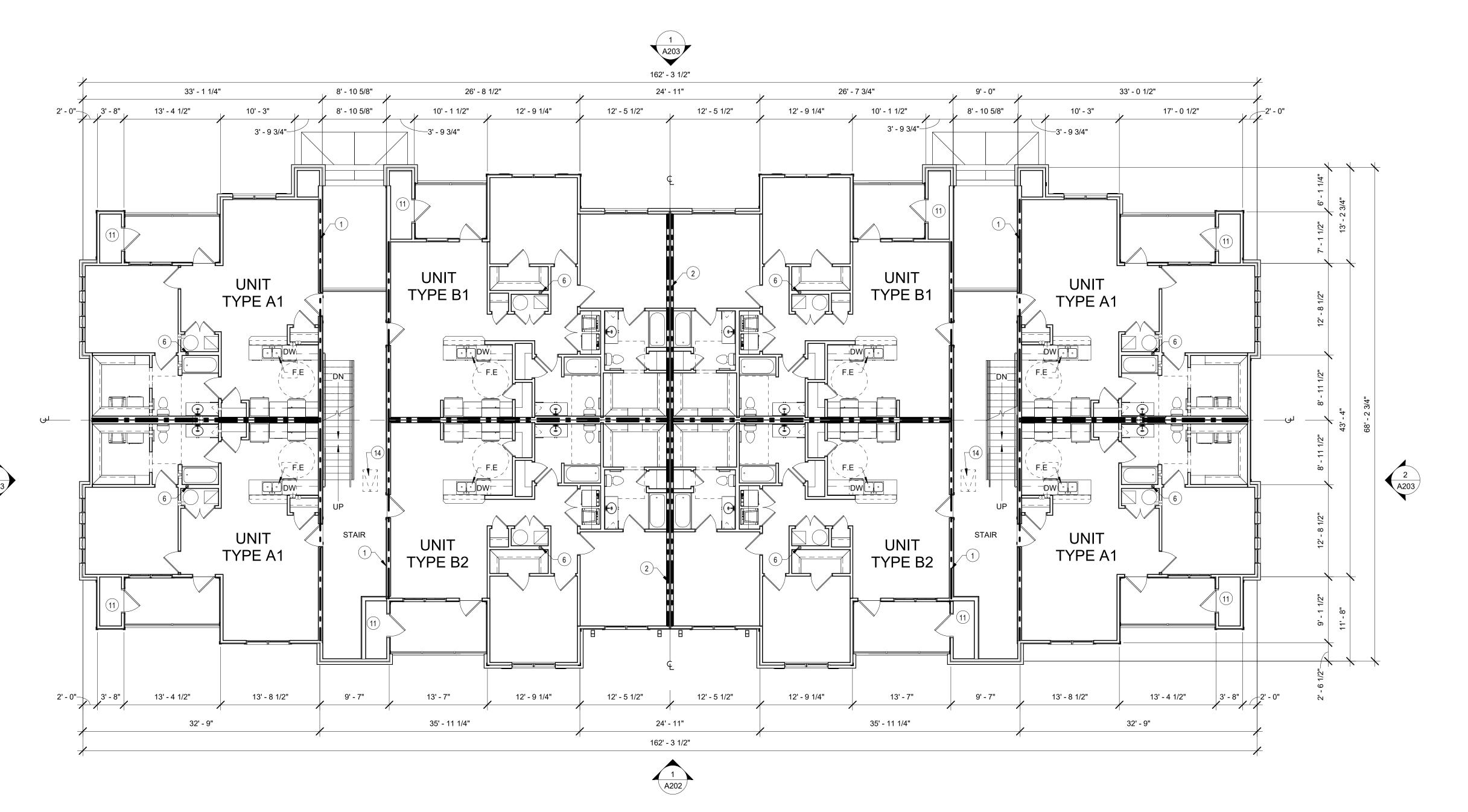
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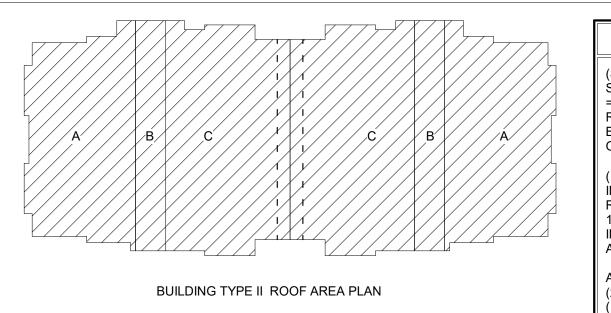
**BUILDING TYPE II** FLOOR PLANS

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BUILDING TYPE II SECOND AND THIRD FLOOR PLAN



# **ATTIC VENTILATION**

- PER 150SF OF ATTIC DIVIDED BY 2.
- SOFFIT DRAFT STOP (MAX 20' SPACING) SEE DETAIL.

VENT 144" SQ. FREE AIR MIN. PROVIDE (1) VENT NO ROOF OPENINGS OR SOFFIT VENTS NEAR F.W.

THIS AREA.

#### ROOF VENTILATION CALCULATIONS

(SQUARE FOOTAGE OF ROOF AREA SERVED X144(SQUARE INCHES))/300 =FREE AREA OF ROOF VENTILATION REQUIRED (HALF OF THIS AREA MUST BED PROVIDED IN SOFFIT AND THE OTHER HALF NEAR THE RIDGE)

(1/2 x FREE AREA) / 151 (SIZE OF VENT ÎN SQ.IN.) = VENTS REQUIRED NEAR RIDGE LINEAR FEET OF SOFFIT x 12(INCHES) x 2(VENT WIDTH IN INCHES) x .375(EFFICIENCY) = AMOUNT OF SOFFIT VENT PROVIDED

AREA A = 2,145 SQ. FT.

 $(2145 \times 144) / 300 = 1029 \text{ SQ. IN.}$ (1029/2) / 151 = 3.40 = 4 VENTS NEEDED

AREA B = 680 SQ. FT.

 $(680 \times 144) / 300 = 326 \text{ SQ. IN.}$ (326/2) / 151 = 1.08 = 2 VENTS NEEDED

AREA C = 2,680 SQ. FT.  $(2680 \times 144) / 300 = 1286 \text{ SQ. IN.}$ (1286/2) / 151 = 4.25 = 4 VENTS NEEDED

# 7" / 12" 7" / 12" 7" / 12" 7" / 12" 7" / 12" 7" / 12" (R7)— 7" / 12" 7" / 12" RIDGE (R7)— 3 A203 7" / 12" 7" / 12" 7" / 12" . \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ ------\_ \_ \_ \_ \_



# **GENERAL ROOF PLAN NOTES**

A. DETAILED FLOOR AND ROOF TRUSS FRAMING AND DIAGRAMS ARE TO BE FURNISHED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS TO BE LOCATED. B. THE TRUSS MANUFACTURER SHALL PROVIDE ENGINEERED PERMANENT ROOF TRUSS BRACING AS REQUIRED BY THE CODE. C. LOCATE HIGH-POINT OF GUTTER AT MID-SPAN IN BETWEEN DOWNSPOUTS UNLESS INDICATED OTHERWISE ON THE ROOF PLAN. D. GUTTERS TO BE 4" WIDE X 4" DEEP. SLOPE TO BE 1/16" PER

1'-0". DOWNSPOUTS TO BE 3" WIDE X 2" DEEP. E. DOWNSPOUTS TO BE PROVIDED WITH EXTENSIONS TO ENSURE ALL WATER DISCHARGES NO LESS THAN 6' FROM BUILDING FOUNDATION.

F. ROOF ANCHORS WITH BASE FLASHING AND RISER BOOT BY SUPER ANCHOR SAFETY. MODEL #2830 FOR INSTALLATION ONTO 2X4 TRUSS CHORD. ROOF ANCHORS SHOWN FOR REFERENCE, ACTUAL LOCATION AND ATTACHMENT METHOD TO BE DEFINED BY

MANUFACTURER. COORDINATE FINAL LOCATION WITH STRUCTURAL TRUSS FRAMING SYSTEM BELOW TO INSURE PROPER

G. EXTEND ALL RATED PARTITIONS BETWEEN UNITS TO BOTTOM OF OUTERMOST ROOF PLANE, THROUGH SOFFITS AND OVER-BUILD TO CREATE A CONTINUOUS PARTITION. ROOF DECK TO BE LAYER OF SHEATHING DIRECTLY BELOW SHINGLES. UTILIZE MONO-TRUSS CONFIGURATION WHERE POSSIBLE WITH 2X4 FRAMING TURNED SIDEWAYS AT 24" OC PER UL ASSEMBLY U338.

H. THE ENTIRE BUILDING ENVELOPE INCLUDING ROOF, WALLS, & FLOORS TO BE DRIED IN PRIOR TO THE STORAGE AND INSTALLATION OF INTERIOR FINISH MATERIALS. IN ADDITION, THE OWNER'S REPRESENTATIVE IS RESPONSIBLE FOR VERIFYING THAT THERE HAS BEEN NO EVIDENCE OF WATER PENETRATING THE BUILDING ENVELOPE OR WATER LEAK FROM MECHANICAL AND/OR FIRE SPRINKLER SYSTEMS PRIOR TO ENCLOSING THE WALL, CEILING OR ROOF CAVITIES.

I. FRAMING SUB-CONTRACTOR AND PANEL MANUFACTURER TO REVIEW BUILDINGS SECTIONS TO ACCOMMODATE RATED WALL ASSEMBLIES. ALL DEMISING PARTITIONS BETWEEN UNITS SHOWN AS 1 HR. OR 2 HR. TO EXTEND TO OUTER MOST LAYER OF ROOF DECKING BELOW SHINGLE LAYER. RATED WALLS AROUND STAIR TOWER TO STOP AT RATED CEILING ASSEMBLY, BUT DEMISING PARTITION AT UNITS MUST EXTEND TO EDGE OF SOFFIT.

J. PROVIDE ICE & WATER SHIELD AROUND ALL PENETRATIONS. K. TRUSS MANUFACTURER TO COORDINATE ROOF TRUSSES WITH ARCH. TO INCLUDE SUFFICIENT HEAL HEIGHT TO ACCOMMODATE FULL DEPTH OF REQUIRED INSULATION AND AN AIR BAFFLE TO EXTERIOR FACE OF WALL.

L. PROVIDE A 24X36 MIN. OPENING TO ALL ROOF CAVITIES TO CONNECT TO THE MAIN VOLUME OF SPACE FOR VENTING AND ACCESS. RIDGE VENTS MAY BE USED AT GABLES ONLY. M. REFER TO FINISH SCHEDULE FOR COLOR SELECTIONS.

## **ROOF PLAN LEGEND**

- (R1) ATTIC DRAFTSTOP: EXTEND WALL GYP. BOARD TO CEILING AND TAPE AND SEAL JOINTS PER A500 SERIES AIR SEALANT DETAILS PRIOR TO FRAMING BULKHEADS.
- FR SHEATHING: AREA OF FIRE RETARDANT PLYWOOD SHEATHING, CENTERED ABOVE 2-HR FIREWALL, NO VENTS OR PENETRATIONS PERMITTED IN THIS AREA. STAGGER JOINTS.
- ROOF ANCHOR SUPER ANCHOR SAFETY
- (R4) ATTIC ACCESS FROM BELOW
- NOT USED
- METAL DOWNSPOUT: SEE GENERAL ROOF PLAN NOTES
- SEAMLESS METAL GUTTER: SEE GENERAL ROOF
- PLAN NOTES (R8) ROOF VENT WITH ONE SQ. FT. FREE AREA
- (R9) ATTIC ACCESS THROUGH DRAFTSTOPPING MAY VARY ALONG WALL, SEE DETAILS
- R10 RIDGE VENT

 $\left(\begin{array}{c} 2 \\ A203 \end{array}\right)$ 

#### **BUILDING PLAN LEGEND**

SHEAR WALL; REFER TO STRUCTURAL DRAWINGS. PLYWOOD SHEATHING TO BE ON SIDE OPPOSITE BATHROOM OR KITCHEN.

2-HOUR RATED ASSEMBLY.

• • • • • ATTIC DRAFTSTOPPING 1-HOUR RATED ASSEMBLY

1-HOUR FIRE PARTITION REQUIRED BY CODE. 2-HOUR ASSEMBLY TO BE CONSTRUCTED PER OWNER REQUIREMENTS.

EXTEND RATED ASSEMBLY FROM TOP OF FOUNDATION TO UNDERSIDE OF OUTERMOST ROOF SHEATHING AND THROUGH ALL OVER-BUILD LOCATIONS. ASSEMBLY THROUGH OVER-BUILD MAY CHANGE TO (2) LAYERS 5/8" GYP. BOARD ON EACH SIDE OF FRAMING. PROVIDE FIRE RATED ROOF DECKING 48" EACH SIDE OF ASSEMBLY AT ROOF PLANE. NO PENETRATIONS IN DECKING THIS ZONE.

NOTE: SEE STRUCTURAL FOR ALL SHEAR WALL LOCATIONS.

FRT PLYWOOD; EXTEND 4'-0" BOTH SIDES OF

2-HOUR RATED ASSEMBLY

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OR CONSTRUCTION.

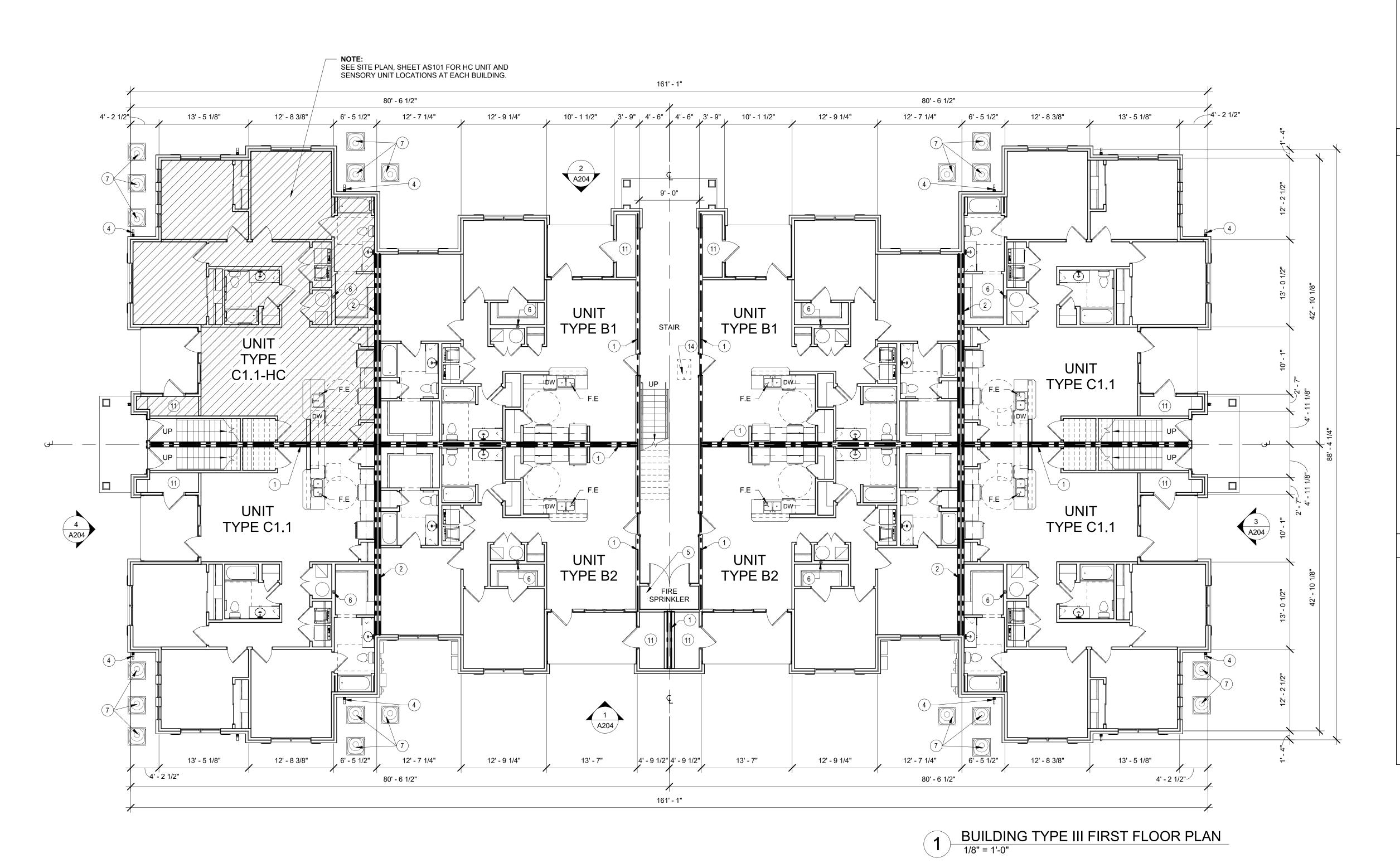
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PROJ. NO.

10/06/2017 SHEET NAME BUILDING TYPE II ROOF PLANS

SHEET NO.

10/13/2017 12:02:58 PM



# **GENERAL FLOOR PLAN NOTES**

A. REFER TO STRUCTURAL PLANS FOR TRUSS CONFIGURATION, LOCATION, AND SPACING. POSITION TRUSSES SO THEY DO NOT INTERFERE WITH PLUMBING AND MECHANICAL ROUTING.

B. ALL EXTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. SEE STRUCTURAL FOR SPACING REQUIREMENTS.

C. ALL DIMENSIONS ARE FROM FACE TO FACE OF STUDS.

D. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS, SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS. INCLUDE FIRE PROTECTION NOT SHOWN ON PLANS.

E. SEAL AROUND ALL PENETRATIONS TO INSURE TIGHT BUILDING ENVELOPE.

ENVELOPE.

F. PROVIDE FIRE SEALANT AROUND ALL PENETRATIONS THROUGH

F. PROVIDE FIRE SEALANT AROUND ALL PENETRATIONS THROUGH RATED WALLS.
G. ALL WALLS ARE PAINTED UNLESS NOTED OTHERWISE.
H. REFER TO A500 SERIES FOR TYPICAL FRAMING DETAILS.

I. ROOF ANCHORS SHOWN FOR REFERENCE, ACTUAL LOCATION AND ATTACHMENT METHOD TO BE DEFINED BY MANUFACTURER.
COORDINATE FINAL LOCATION WITH STRUCTURAL TRUSS FRAMING SYSTEM BELOW TO INSURE PROPER SYSTEM LOADS.
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K. PROVIDE CONTROL JOINTS IN GYPSUM BOARD ASSEMBLIES AS
RECOMMENDED BY MANUFACTURER. PROVIDE CJ IN CEILINGS SO NO
DIMENSION EXCEEDS 50' IN EITHER DIRECTION WHERE THERE IS
PERIMETER RELIEF OR 30' IN EITHER DIRECTION WITHOUT PERIMETER
RELIEF. DO NOT SEPARATE SUSPENSION SYSTEM. CAULK JOINT AND
PAINT TO MATCH.

# ARCHITECTURE & INTERIORS S AS SO NO

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OR CONSTRUCTION.

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#### **BUILDING PLAN KEYNOTES**

- 1 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
- 2 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
- METER CENTER, SEE ELECTRICAL DRAWINGS.
- DOWNSPOUT, SEE ROOF PLANS FOR MORE INFORMATION, DISCHARGE WATER 6' MIN FROM BUILDING.
- 5 SPRINKLER CLOSET, ONLY OCCURS ON ONE END OF BUILDING, SEE ARCHITECTURAL SITE PLAN FOR LOCATION. PROVIDE DENSGLASS OR SIMILAR EXTERIOR RATED SHEATHING AT INTERIOR WALLS AND CEILING.
- 6 VERTICAL RADON VENT, COORDINATE EXACT LOCATION OF RADON VENT SYSTEM WITH MECHANICAL.
- 7 MECHANICAL EQUIPMENT PAD, SEE FOUNDATION PLANS FOR SIZE AND LOCATION.
- 8 NOT USED
- AREA OF FIRE RETARDANT PLYWOOD SHEATHING, CENTERED ABOVE 2-HR FIRE WALL, NO VENTS OR PENETRATIONS PERMITTED IN THIS AREA. 2-HR FIRE WALL CONTINUOUS FROM TOP OF FOUNDATION TO UNDERSIDE OF DECKING.
- 10 PERFORATED TILE TO BE INSTALLED UNDER CONNECTING WALKWAY AT DOWNSPOUT, SEE SITE PLAN & CIVIL DRAWINGS FOR LOCATION OF WALKWAY.
- 11) STORAGE CLOSET
- PROVIDE CONTINUOUS GYP. BOARD AS DRAFTSTOP
  BETWEEN BATH TUB AND EXTERIOR WALL FRAMING. TAPE

AND SEAL ALL EDGES PRIOR TO SETTING TUB.

- EXTEND WALL GYP. BOARD TO CEILING AND TAPE AND SEAL JOINTS PER "AIR SEALING DETAILS" SHEET AIR SEALANT DETAILS PRIOR TO FRAMING BULKHEADS.
- 14 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.

# **BUILDING PLAN LEGEND**

SHEAR WALL; REFER TO STRUCTURAL DRAWINGS. PLYWOOD SHEATHING TO BE ON SIDE OPPOSITE BATHROOM OR KITCHEN.

FRT PLYWOOD; EXTEND 4'-0" BOTH SIDES OF 2-HOUR RATED ASSEMBLY.

2-HOUR RATED ASSEMBLY.

ATTIC DRAFTSTOPPING

1-HOUR RATED ASSEMBLY
2-HOUR RATED ASSEMBLY

\*NOTE:

1-HOUR FIRE PARTITION REQUIRED BY CODE. 2-HOUR ASSEMBLY
TO BE CONSTRUCTED PER OWNER REQUIREMENTS.

EXTEND RATED ASSEMBLY FROM TOP OF FOUNDATION TO UNDERSIDE OF OUTERMOST ROOF SHEATHING AND THROUGH ALL OVER-BUILD LOCATIONS. ASSEMBLY THROUGH OVER-BUILD MAY CHANGE TO (2) LAYERS 5/8" GYP. BOARD ON EACH SIDE OF FRAMING. PROVIDE FIRE RATED ROOF DECKING 48" EACH SIDE OF ASSEMBLY AT ROOF PLANE. NO PENETRATIONS IN DECKING THIS ZONE.

NOTE: SEE STRUCTURAL FOR ALL SHEAR WALL LOCATIONS.

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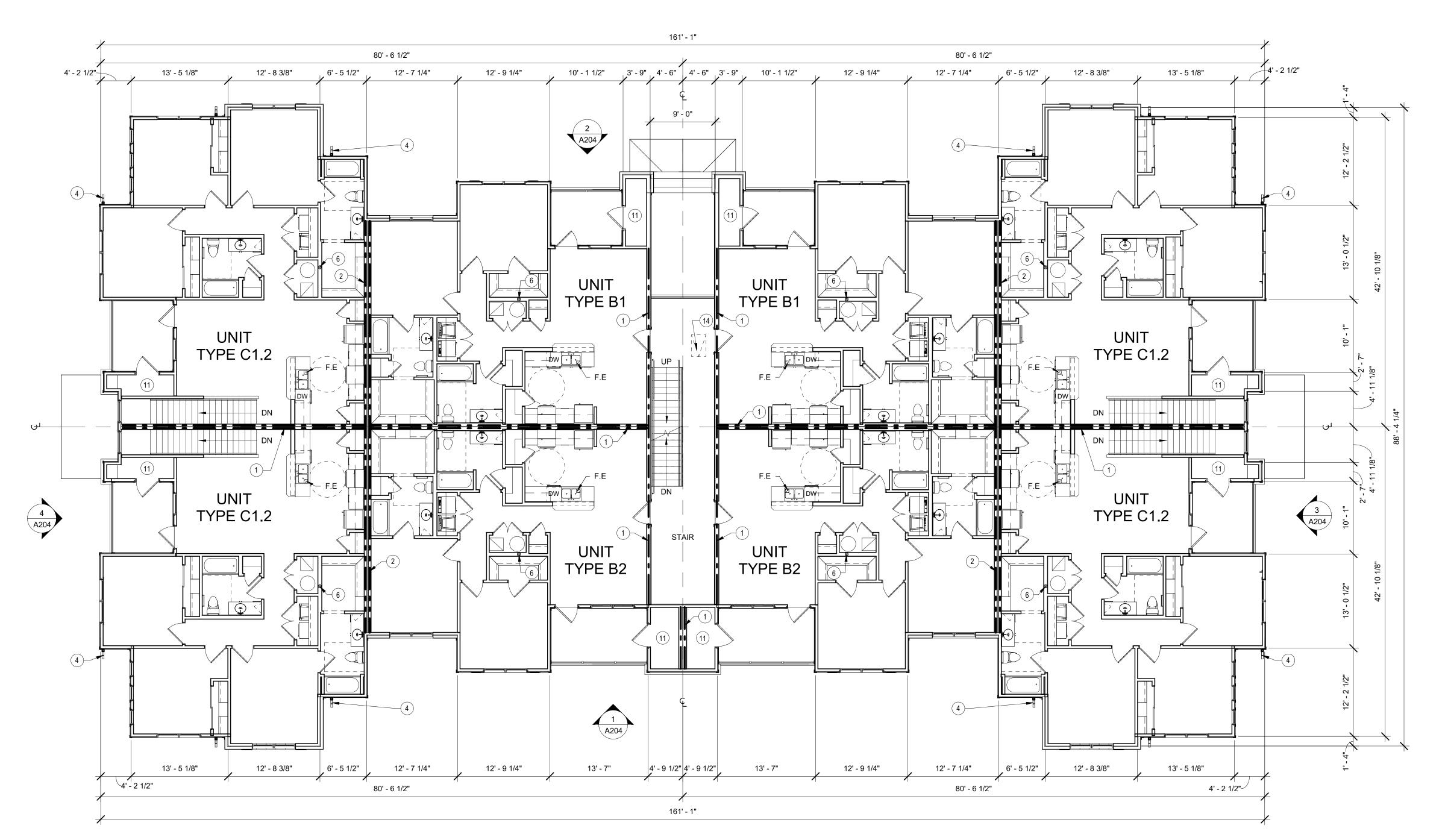
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NO. DATE

PROJ. NO. 17041 DATE 10/06/2017

SHEET NAME
BUILDING TYPE III
FLOOR PLANS

SHEET NO.

A131



1 BUILDING TYPE III SECOND FLOOR PLAN
1/8" = 1'-0"

# **GENERAL FLOOR PLAN NOTES**

A. REFER TO STRUCTURAL PLANS FOR TRUSS CONFIGURATION, LOCATION, AND SPACING. POSITION TRUSSES SO THEY DO NOT INTERFERE WITH PLUMBING AND MECHANICAL ROUTING.

B. ALL EXTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. SEE STRUCTURAL FOR SPACING REQUIREMENTS.

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E. SEAL AROUND ALL PENETRATIONS TO INSURE TIGHT BUILDING ENVELOPE.

ENVELOPE.

F. PROVIDE FIRE SEALANT AROUND ALL PENETRATIONS THROUGH

RATED WALLS.
G. ALL WALLS ARE PAINTED UNLESS NOTED OTHERWISE.
H. REFER TO A500 SERIES FOR TYPICAL FRAMING DETAILS.
I. ROOF ANCHORS SHOWN FOR REFERENCE, ACTUAL LOCATION AND ATTACHMENT METHOD TO BE DEFINED BY MANUFACTURER.

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J. PATIO SLOPES SHALL BE 1/4" PER FOOT MAX.

K. PROVIDE CONTROL JOINTS IN GYPSUM BOARD ASSEMBLIES AS RECOMMENDED BY MANUFACTURER. PROVIDE CJ IN CEILINGS SO NO DIMENSION EXCEEDS 50' IN EITHER DIRECTION WHERE THERE IS PERIMETER RELIEF OR 30' IN EITHER DIRECTION WITHOUT PERIMETER RELIEF. DO NOT SEPARATE SUSPENSION SYSTEM. CAULK JOINT AND

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# **BUILDING PLAN KEYNOTES**

- 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
- 2 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
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- PERFORATED TILE TO BE INSTALLED UNDER CONNECTING WALKWAY AT DOWNSPOUT, SEE SITE PLAN & CIVIL DRAWINGS FOR LOCATION OF WALKWAY.
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# **BUILDING PLAN LEGEND**

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FRT PLYWOOD; EXTEND 4'-0" BOTH SIDES OF 2-HOUR RATED ASSEMBLY.

• • • • • • ATTIC DRAFTSTOPPING

1-HOUR RATED ASSEMBLY

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NOTE: SEE STRUCTURAL FOR ALL SHEAR WALL LOCATIONS.

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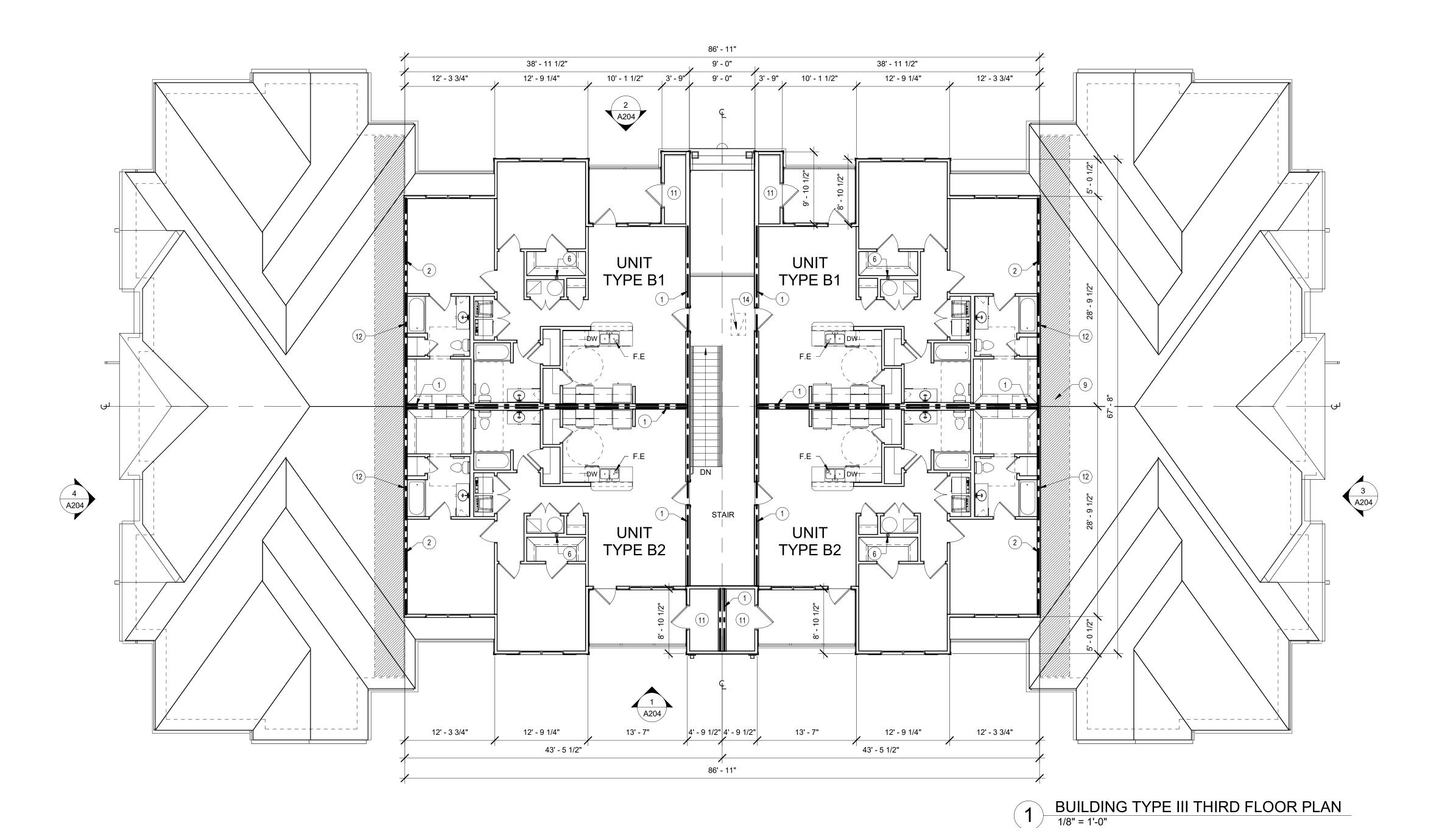
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SHEET NAME

BUILDING TYPE III

FLOOR PLANS

SHEET NO. **A132** 



# **GENERAL FLOOR PLAN NOTES**

A. REFER TO STRUCTURAL PLANS FOR TRUSS CONFIGURATION, LOCATION, AND SPACING. POSITION TRUSSES SO THEY DO NOT INTERFERE WITH PLUMBING AND MECHANICAL ROUTING. B. ALL EXTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS ARE 2X4 STUDS UNLESS NOTED OTHERWISE. SEE STRUCTURAL FOR SPACING REQUIREMENTS.

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J. PATIO SLOPES SHALL BE 1/4" PER FOOT MAX. K. PROVIDE CONTROL JOINTS IN GYPSUM BOARD ASSEMBLIES AS RECOMMENDED BY MANUFACTURER. PROVIDE CJ IN CEILINGS SO NO DIMENSION EXCEEDS 50' IN EITHER DIRECTION WHERE THERE IS PERIMETER RELIEF OR 30' IN EITHER DIRECTION WITHOUT PERIMETER RELIEF. DO NOT SEPARATE SUSPENSION SYSTEM. CAULK JOINT AND PAINT TO MATCH.

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# **BUILDING PLAN KEYNOTES**

- 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
- 2 ) 2 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC RATINGS" SHEETS FOR ASSEMBLY.
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- (11) STORAGE CLOSET
- PROVIDE CONTINUOUS GYP. BOARD AS DRAFTSTOP BETWEEN BATH TUB AND EXTERIOR WALL FRAMING. TAPE AND SEAL ALL EDGES PRIOR TO SETTING TUB.
- (13) EXTEND WALL GYP. BOARD TO CEILING AND TAPE AND SEAL JOINTS PER "AIR SEALING DETAILS" SHEET AIR
- SEALANT DETAILS PRIOR TO FRAMING BULKHEADS. (14) 1 HR FIRE RATED ASSEMBLY; SEE "INTERIOR WALL SECTIONS" SHEETS AND "UL RATED ASSEMBLIES & STC

RATINGS" SHEETS FOR ASSEMBLY.

# **BUILDING PLAN LEGEND**

SHEAR WALL; REFER TO STRUCTURAL DRAWINGS. PLYWOOD SHEATHING TO BE ON

SIDE OPPOSITE BATHROOM OR KITCHEN. FRT PLYWOOD; EXTEND 4'-0" BOTH SIDES OF

2-HOUR RATED ASSEMBLY.

1-HOUR RATED ASSEMBLY

2-HOUR RATED ASSEMBLY

• • • • • • ATTIC DRAFTSTOPPING

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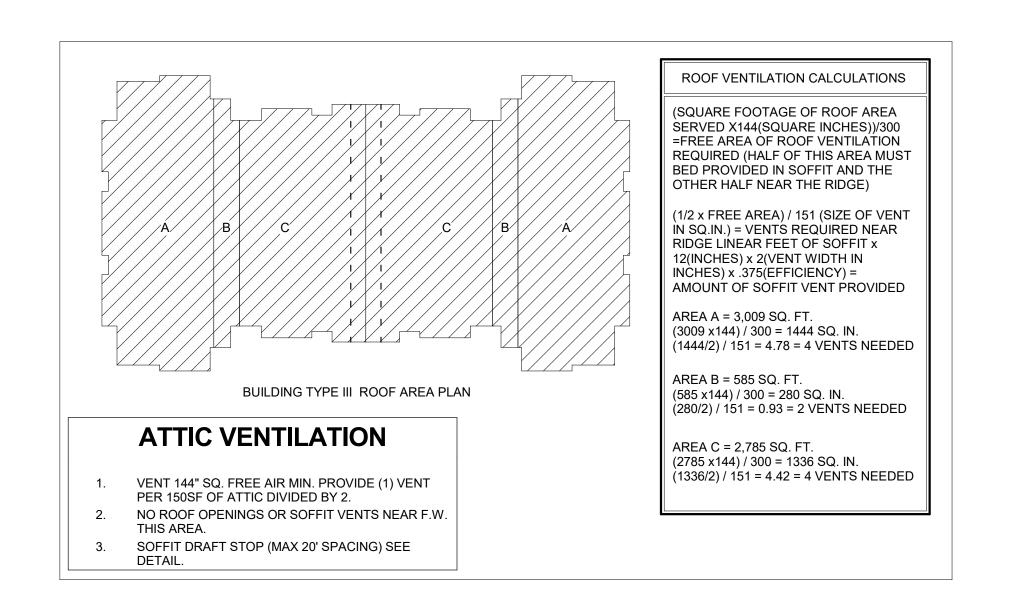
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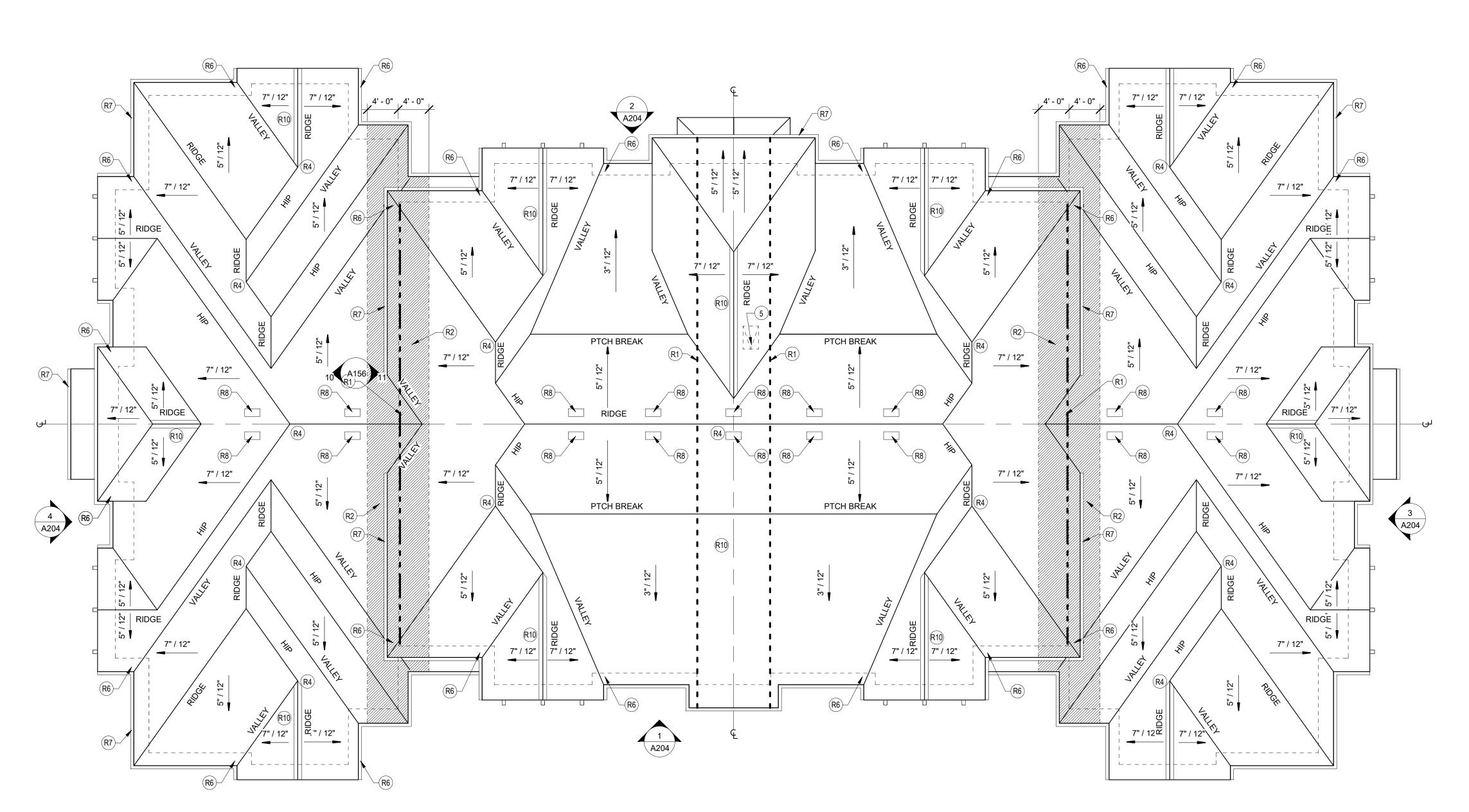
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PROJ. NO. 10/06/2017

SHEET NAME **BUILDING TYPE III** FLOOR PLANS

SHEET NO.





BUILDING TYPE III ROOF PLAN
1/8" = 1'-0"

## **GENERAL ROOF PLAN NOTES**

A. DETAILED FLOOR AND ROOF TRUSS FRAMING AND DIAGRAMS ARE TO BE FURNISHED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS TO BE LOCATED.

B. THE TRUSS MANUFACTURER SHALL PROVIDE ENGINEERED PERMANENT ROOF TRUSS BRACING AS REQUIRED BY THE CODE.

C. LOCATE HIGH-POINT OF GUTTER AT MID-SPAN IN BETWEEN DOWNSPOUTS UNLESS INDICATED OTHERWISE ON THE ROOF PLAN.

D. GUTTERS TO BE 4" WIDE X 4" DEEP. SLOPE TO BE 1/16" PER 1'-0". DOWNSPOUTS TO BE 3" WIDE X 2" DEEP.

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E. DOWNSPOUTS TO BE PROVIDED WITH EXTENSIONS TO ENSURE ALL WATER DISCHARGES NO LESS THAN 6' FROM BUILDING FOUNDATION.

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J. PROVIDE ICE & WATER SHIELD AROUND ALL PENETRATIONS.

K. TRUSS MANUFACTURER TO COORDINATE ROOF TRUSSES WITH ARCH. TO INCLUDE SUFFICIENT HEAL HEIGHT TO ACCOMMODATE FULL DEPTH OF REQUIRED INSULATION AND AN AIR BAFFLE TO EXTERIOR FACE OF WALL.

L. PROVIDE A 24X36 MIN. OPENING TO ALL ROOF CAVITIES TO CONNECT TO THE MAIN VOLUME OF SPACE FOR VENTING AND ACCESS. RIDGE VENTS MAY BE USED AT GABLES ONLY.

M. REFER TO FINISH SCHEDULE FOR COLOR SELECTIONS.

# **ROOF PLAN LEGEND**

- ATTIC DRAFTSTOP: EXTEND WALL GYP. BOARD TO CEILING AND TAPE AND SEAL JOINTS PER A500 SERIES AIR SEALANT DETAILS PRIOR TO FRAMING BULKHEADS.
- FR SHEATHING: AREA OF FIRE RETARDANT PLYWOOD SHEATHING, CENTERED ABOVE 2-HR FIREWALL, NO VENTS OR PENETRATIONS PERMITTED IN THIS AREA. STAGGER JOINTS.
- ROOF ANCHOR SUPER ANCHOR SAFETY
- (R4) ATTIC ACCESS FROM BELOW
- (R5) NOT USED
- (R6) METAL DOWNSPOUT: SEE GENERAL ROOF PLAN NOTES
- SEAMLESS METAL GUTTER: SEE GENERAL ROOF PLAN NOTES
- ROOF VENT WITH ONE SO, ET, EREE ARE
- (R8) ROOF VENT WITH ONE SQ. FT. FREE AREA
- R9 ATTIC ACCESS THROUGH DRAFTSTOPPING MAY VARY ALONG WALL, SEE DETAILS
- R10 RIDGE VENT

### **BUILDING PLAN LEGEND**

SHEAR WALL; REFER TO STRUCTURAL DRAWINGS. PLYWOOD SHEATHING TO BE ON SIDE OPPOSITE BATHROOM OR KITCHEN.

FRT PLYWOOD; EXTEND 4'-0" BOTH SIDES OF

FRT PLYWOOD; EXTEND 4'-0" BOTH SIDI 2-HOUR RATED ASSEMBLY.

• • • • • • ATTIC DRAFTSTOPPING

1-HOUR RATED ASSEMBLY
2-HOUR RATED ASSEMBLY

\*NOTE:
1-HOUR FIRE PARTITION REQUIRED BY CODE. 2-HOUR ASSEMBLY
TO BE CONSTRUCTED PER OWNER REQUIREMENTS.

EXTEND RATED ASSEMBLY FROM TOP OF FOUNDATION TO UNDERSIDE OF OUTERMOST ROOF SHEATHING AND THROUGH ALL OVER-BUILD LOCATIONS. ASSEMBLY THROUGH OVER-BUILD MAY CHANGE TO (2) LAYERS 5/8" GYP. BOARD ON EACH SIDE OF FRAMING. PROVIDE FIRE RATED ROOF DECKING 48" EACH SIDE OF ASSEMBLY AT ROOF PLANE. NO PENETRATIONS IN DECKING THIS ZONE.

NOTE: SEE STRUCTURAL FOR ALL SHEAR WALL LOCATIONS.

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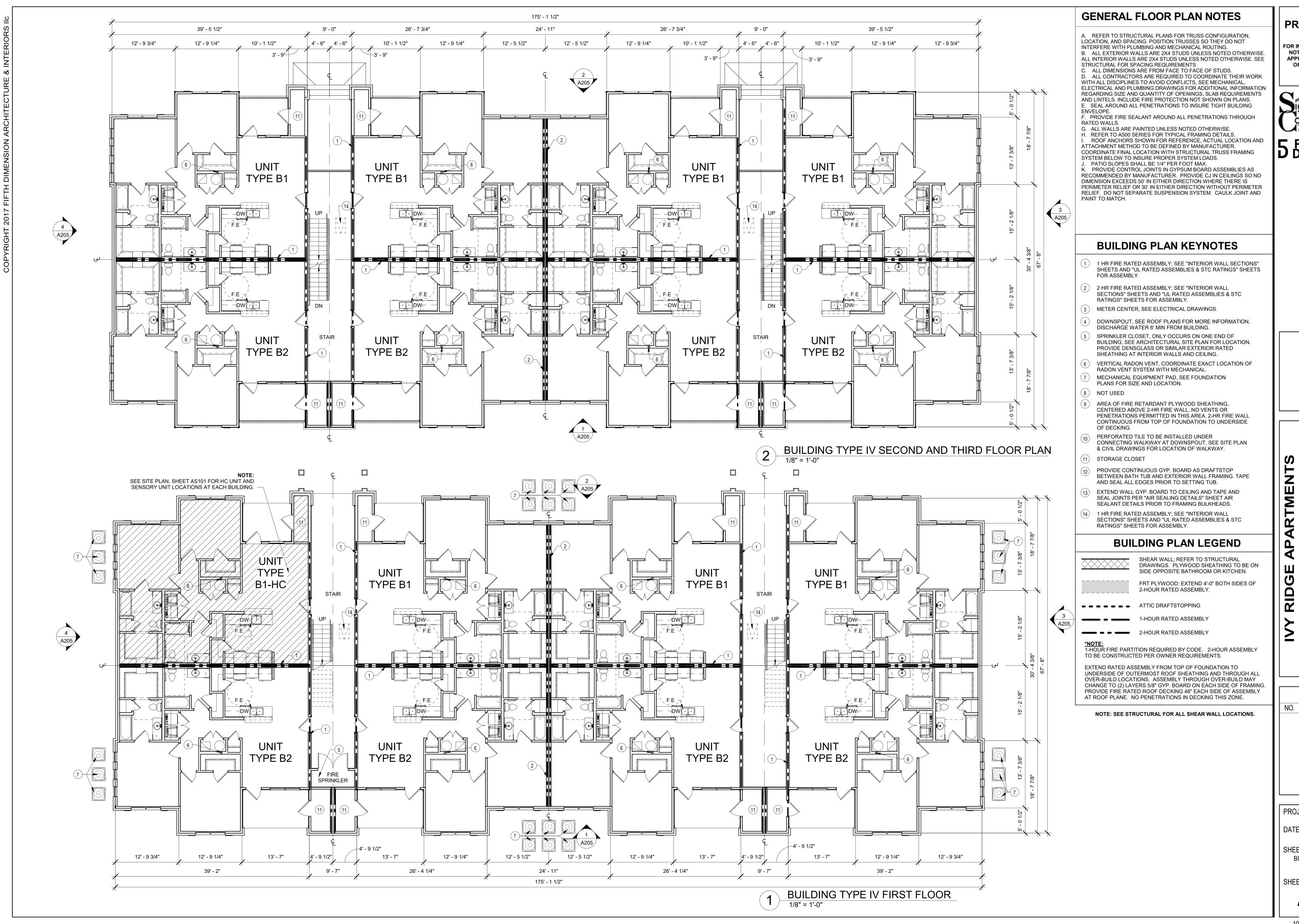
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17041
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10/06/2017
SHEET NAME
BUILDING TYPE III

A134

**ROOF PLANS** 



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10/06/2017
SHEET NAME
BUILDING TYPE IV
FLOOR PLANS

SHEET NO.  $\Delta 14$ 

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VENT 144" SQ. FREE AIR MIN. PROVIDE (1) VENT

SOFFIT DRAFT STOP (MAX 20' SPACING) SEE

NO ROOF OPENINGS OR SOFFIT VENTS NEAR F.W.

PER 150SF OF ATTIC DIVIDED BY 2.

THIS AREA.

DETAIL.

# (R4) A205 7" / 12" 7" / 12" 7" / 12" 7" / 12" 7" / 12" 7" / 12" 7" / 12" || 7" / 12" \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ - - - - - - - - - -7" / 12"\ RIDGE RIDGE / 7" / 12" 4 A205 7" / 12" RIDGE RIDGE RIDGE RIDGE L ——— RIDGE RIDGE /7" / 12" ||| 午' / 12" 7" / 12" **L** - - - - - - - - -

BUILDING TYPE III ROOF PLAN

ROOF VENTILATION CALCULATIONS

(336/2) / 151 = 1.11 = 2 VENTS NEEDED

(1281/2) / 151 = 4.24 = 4 VENTS NEEDED

AREA C = 2,670 SQ. FT.

(2670 x144) / 300 = 1281 SQ. IN.

# **GENERAL ROOF PLAN NOTES**

A. DETAILED FLOOR AND ROOF TRUSS FRAMING AND DIAGRAMS ARE TO BE FURNISHED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS TO BE LOCATED. B. THE TRUSS MANUFACTURER SHALL PROVIDE ENGINEERED PERMANENT ROOF TRUSS BRACING AS REQUIRED BY THE CODE. C. LOCATE HIGH-POINT OF GUTTER AT MID-SPAN IN BETWEEN DOWNSPOUTS UNLESS INDICATED OTHERWISE ON THE ROOF PLAN. D. GUTTERS TO BE 4" WIDE X 4" DEEP. SLOPE TO BE 1/16" PER 1'-0". DOWNSPOUTS TO BE 3" WIDE X 2" DEEP.

E. DOWNSPOUTS TO BE PROVIDED WITH EXTENSIONS TO ENSURE ALL WATER DISCHARGES NO LESS THAN 6' FROM BUILDING FOUNDATION.

F. ROOF ANCHORS WITH BASE FLASHING AND RISER BOOT BY SUPER ANCHOR SAFETY. MODEL #2830 FOR INSTALLATION ONTO 2X4 TRUSS CHORD. ROOF ANCHORS SHOWN FOR REFERENCE. ACTUAL LOCATION AND ATTACHMENT METHOD TO BE DEFINED BY MANUFACTURER. COORDINATE FINAL LOCATION WITH STRUCTURAL TRUSS FRAMING SYSTEM BELOW TO INSURE PROPER

G. EXTEND ALL RATED PARTITIONS BETWEEN UNITS TO BOTTOM OF OUTERMOST ROOF PLANE, THROUGH SOFFITS AND OVER-BUILD TO CREATE A CONTINUOUS PARTITION. ROOF DECK TO BE LAYER OF SHEATHING DIRECTLY BELOW SHINGLES. UTILIZE MONO-TRUSS CONFIGURATION WHERE POSSIBLE WITH 2X4 FRAMING TURNED SIDEWAYS AT 24" OC PER UL ASSEMBLY U338.

H. THE ENTIRE BUILDING ENVELOPE INCLUDING ROOF, WALLS, & FLOORS TO BE DRIED IN PRIOR TO THE STORAGE AND INSTALLATION OF INTERIOR FINISH MATERIALS. IN ADDITION, THE OWNER'S REPRESENTATIVE IS RESPONSIBLE FOR VERIFYING THAT THERE HAS BEEN NO EVIDENCE OF WATER PENETRATING THE BUILDING ENVELOPE OR WATER LEAK FROM MECHANICAL AND/OR FIRE SPRINKLER SYSTEMS PRIOR TO ENCLOSING THE WALL, CEILING OR ROOF CAVITIES. I. FRAMING SUB-CONTRACTOR AND PANEL MANUFACTURER TO

REVIEW BUILDINGS SECTIONS TO ACCOMMODATE RATED WALL ASSEMBLIES. ALL DEMISING PARTITIONS BETWEEN UNITS SHOWN AS 1 HR. OR 2 HR. TO EXTEND TO OUTER MOST LAYER OF ROOF DECKING BELOW SHINGLE LAYER. RATED WALLS AROUND STAIR TOWER TO STOP AT RATED CEILING ASSEMBLY, BUT DEMISING PARTITION AT UNITS MUST EXTEND TO EDGE OF SOFFIT. J. PROVIDE ICE & WATER SHIELD AROUND ALL PENETRATIONS. K. TRUSS MANUFACTURER TO COORDINATE ROOF TRUSSES WITH

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# **ROOF PLAN LEGEND**

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ROOF ANCHOR SUPER ANCHOR SAFETY

(R4) ATTIC ACCESS FROM BELOW

(R5) NOT USED

**\** A205/

(R6) METAL DOWNSPOUT: SEE GENERAL ROOF PLAN NOTES

SEAMLESS METAL GUTTER: SEE GENERAL ROOF PLAN NOTES

(R8) ROOF VENT WITH ONE SQ. FT. FREE AREA

(R9) ATTIC ACCESS THROUGH DRAFTSTOPPING MAY VARY ALONG WALL, SEE DETAILS

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A PEDCOR COMPANY

PROJ. NO. 10/06/2017

SHEET NAME **BUILDING TYPE IV ROOF PLANS** 

REVISIONS

DATE

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DESIGN

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SHEET NO.