



# ASTI Testing Record

**Testing Date:**  
**April 27, 2016**

As per the Agreement 050903 between Kay Apartment Communities and ASTI Inc.

**Premises**

Kay Apartment Communities  
Flower Branch Apartments  
8628 Piney Branch Road  
Silver Spring, MD 20901  
[REDACTED]

**Inspection By:**

David Mandel  
Alarm Systems Testing & Inspections Inc.  
9009 Wildberry Court  
Boonsboro, MD 21713  
[REDACTED]

**Authority Having Jurisdiction**

Montgomery County Maryland  
Montgomery County Fire and Rescue Service  
Fire Code Enforcement  
255 Rockville Pike, 2nd Floor  
Rockville, MD 20850  
[REDACTED]

**Inspection Guide:**

Montgomery County Code, Part II, Local Laws, Resolutions, Ordinances Etc., Chapter 22, Fire Safety Code

**Frequency:**

Annual

## Fire Alarm System Specifications and Devices

<b>Control Unit</b>	No Fire Alarm Control Panel - Fused Line Voltage Only
<b>Annunciator Unit</b>	None
<b>Primary (Main) Power</b>	Commercial Light and Power Feed with Single Feed 120VAC Nominal Voltage
<b>Ovecurrent Protection</b>	30A buss Disconnect Boxes and S15 Fused
<b>Secondary (Standby) Power</b>	None
<b>Circuit Styles</b>	Single Initiating Device and Alarm Notification Appliance Circuit without Supervision
<b>Date of Last System Service or Revision</b>	At time of Testing missing Witness Rods installed (G). <b>See Previous Testing Reports</b>
<b>Notifications</b>	Testing scheduled with Resident Manager. Occupant Notification completed via posting of letter several days prior to Testing Date. In addition the building had Red notices posted during Testing and Green notices posted upon completion of work. Montgomery County County Emergency Communications Center was contacted at 240-683-6520 and notified of all times systems were out of service. Reference numbers were provided and recorded. All Buildings placed back in service upon completion of Testing.

## Testing Details and Results

Device	Method	Measurements	Results
<b>Control Equipment Functions</b>	Alarm Signal Verified by activating all Manual Fire Alarm Stations	See IDC and NAC Test Table Results	OK
	Evacuation Signals Tested during activation of Manual Fire Alarm Stations and db readings recorded for all Bells	See IDC and NAC Test Table Results	OK
	<b>Fuses</b>	All Fuses function verified by label and function	
<b>Initiating Devices Fire Alarm Boxes</b>	Verified Operation of all Manual Fire Alarm Boxes	See IDC and NAC Test Table Results	OK
<b>Notification Bells</b>	Sound Pressure Level measured with meter according to ANSI S3.41	See IDC and NAC Test Table Results	OK
	Audibility "at the pillow" See 2005 Testing Report		FAIL

**INITIATING DEVICE CIRCUITS (IDC) AND NOTIFICATION DEVICE CIRCUITS (NAC)  
TEST TABLE RESULTS**

ADDRESS	BUILDING CONFIG	CONTROL LOCATION	BASEMENT LEVEL	LOWER LEVEL	ENTRANCE LEVEL	1st FLOOR	2nd FLOOR
8640 Piney Branch Road	12 Apartments Attached to 8642	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 48 Bell Max db in Alarm 99 Hall Pull OK		Ambient db 50 Bell Max db in Alarm 101
8642 Piney Branch Road	12 Apartments Attached to 8640 and 8644	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 40 Bell Max db in Alarm 99 Hall Pull OK		Ambient db 43 Bell Max db in Alarm 98
8644 Piney Branch Road	12 Apartments Attached to 8642	Disconnect Located in Laundry Room on Lower Level with S15 Fuse			Ambient db 58 Bell Max db in Alarm 100 Hall Pull OK		Ambient db 55 Bell Max db in Alarm 97
8648 Piney Branch Road	12 Apartments Connects to 8660	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 49 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 50 Bell Max db in Alarm 99
8660 Piney Branch Road	12 Apartments Connects to 8648	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 40 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 40 Bell Max db in Alarm 100
8650 Piney Branch Road	12 Apartments Connects to 8652	Disconnect Located in Laundry Room on Lower Level with S15 Fuse			Ambient db 40 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 41 Bell Max db in Alarm 97
8652 Piney Branch Road	12 Apartments Attached to 8650 and 8654	Disconnect Located in Laundry Room on Lower Level with S15 Fuse			Ambient db 40 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 41 Bell Max db in Alarm 100
8654 Piney Branch Road	12 Apartments Connects to 8652	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 41 Bell Max db in Alarm 99 Hall Pull OK		Ambient db 40 Bell Max db in Alarm 100
8656 Piney Branch Road	12 Apartments Connects to 8658	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 40 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 42 Bell Max db in Alarm 101
8658 Piney Branch Road	12 Apartments Connects to 8656	Disconnect Located in Laundry Room on Lower Level with S15 Fuse			Ambient db 40 Bell Max db in Alarm 98 Hall Pull OK		Ambient db 40 Bell Max db in Alarm 100
8662 Piney Branch Road	12 Apartments Connects to 8664	Disconnect Located in Laundry Room on Lower Level with S15 Fuse			Ambient db 40 Bell Max db in Alarm 100 Hall Pull OK		Ambient db 40 Bell Max db in Alarm 99
8664 Piney Branch Road	12 Apartments Connects to 8662	Disconnect Located in Laundry Room on Lower Level with S15 Fuse			Ambient db 40 Bell Max db in Alarm 100 Hall Pull OK		Ambient db 42 Bell Max db in Alarm 101

**INITIATING DEVICE CIRCUITS (IDC) AND NOTIFICATION DEVICE CIRCUITS (NAC)  
TEST TABLE RESULTS**

ADDRESS	BUILDING CONFIG	CONTROL LOCATION	BASEMENT LEVEL	LOWER LEVEL	ENTRANCE LEVEL	1st FLOOR	2nd FLOOR
8666 Piney Branch Road	12 Apartments Connects to 8668	Disconnect Located in Laundry Room on Lower Level with S15 Fuse	Ambient db 47 Bell Max db in Alarm 100		Ambient db 43 Bell Max db in Alarm 101 Hall Pull OK		
8668 Piney Branch Road	14 Apartments Attached to 8666 and 8670	Disconnect Located in Storage Room on Lower Level with S15 Fuse	Ambient db 50 Bell Max db in Alarm 99		Ambient db 42 Bell Max db in Alarm 101 Hall Pull OK		
8670 Piney Branch Road	14 Apartments Connects to 8668	20A Circuit Breaker Located in Laundry Room on Lower Level	Ambient db 49 Bell Max db in Alarm 100		Ambient db 44 Bell Max db in Alarm 101 Hall Pull OK		
8672 Piney Branch Road	14 Apartments Connects to 8674	Disconnect Located in Laundry Room on Lower Level with S15 Fuse	Ambient db 48 Bell Max db in Alarm 99		Ambient db 43 Bell Max db in Alarm 100 Hall Pull OK		
8674 Piney Branch Road	14 Apartments Attached to 8672	Disconnect Located in Storage Room on Lower Level with S15 Fuse	Ambient db 48 Bell Max db in Alarm 100 Hall Pull OK		Ambient db 45 Bell Max db in Alarm 100 Hall Pull OK		
8701 Arliss Street	12 Apartments Connects to 8703	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 42 Bell Max db in Alarm 99 Hall Pull OK		Ambient db 41 Bell Max db in Alarm 100
8703 Arliss Street	12 Apartments Attached to 8701	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 49 Bell Max db in Alarm 98 Hall Pull OK		Ambient db 44 Bell Max db in Alarm 99
8707 Arliss Street	12 Apartments Connects to 8709	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 48 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 45 Bell Max db in Alarm 100
8709 Arliss Street	12 Apartments Attached to 8707 and 8711	Disconnect Located in Laundry Room on Lower Level with S15 Fuse			Ambient db 42 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 44 Bell Max db in Alarm 100
8711 Arliss Street	12 Apartments Connects to 8709	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 48 Bell Max db in Alarm 100 Hall Pull OK		Ambient db 50 Bell Max db in Alarm 99
8851 Garland Avenue	12 Apartments Connects to 8853	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 45 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 50 Bell Max db in Alarm 100
8853 Garland Avenue	12 Apartments Attached to 8851	Disconnect Located in Storage Room on Lower Level with S15 Fuse. Storage Room Entrance on Outside of Building			Ambient db 40 Bell Max db in Alarm 100 Hall Pull OK		Ambient db 43 Bell Max db in Alarm 100
8855 Garland Avenue	12 Apartments Connects to 8857	Disconnect Located in Laundry Room on Lower Level with S15 Fuse			Ambient db 41 Bell Max db in Alarm 100 Hall Pull OK		Ambient db 42 Bell Max db in Alarm 101
8857 Garland Avenue	12 Apartments Attached to 8855	Disconnect Located in Storage Room on Lower Level with S15 Fuse			Ambient db 48 Bell Max db in Alarm 101 Hall Pull OK		Ambient db 55 Bell Max db in Alarm 100

## General Comments and Results Summary

### Legend

Completed Without Incident

May Require Additional Attention

Requires Attention

### System Equipment and Devices

Notification Circuit and Initiating Device Circuit are not Supervised

### Alarm Notification Appliances

Bells functioned properly and performance exceeded ratings due to acoustics of the environment. Sound pressure levels for compliance within living units were not measured due to lack of change since last Test. See Testing Report from 2005. The audibility of evacuation signals within apartments is insufficient as designed.

The failure in all instances of that Test as detailed is not due to the performance of the system as designed, but the design of the system.

Previous Testing Records and various required original system documentation was not supplied to ASTI Inc.

The Fire Alarm Systems are IN COMPLIANCE with applicable law since the AHJ has allowed system as configured to continue in operation.

Owner notified in writing of disposition of all testing results.

\_\_\_\_\_  
Inspectors Signature

\_\_\_\_\_  
Date