



CHARLES D. BAKER  
GOVERNOR

KARYN E. POLITO  
LIEUTENANT GOVERNOR

DANIEL BENNETT  
SECRETARY

COLONEL RICHARD D. MCKEON  
SUPERINTENDENT

The Commonwealth of Massachusetts  
Department of State Police  
Crime Laboratory

124 Acton Street

Raynard, MA 01754

Telephone: (978) 451-3300 Facsimile: (978) 451-3320

Evidence Return Receipt

Lab Code / Case No.: MCL17-18214 Case Type: Non Fatal  
Department Name: MSP Middlesex County Detective Unit Offense Location: Chelmsford  
Department Case No.: 2017-110-0404 Offense Date: 07/23/2017  
Case Officer: Trooper Anthony Delucia #2975 Offense Type: Police Shooting

Reference(s):

17-18214 2017-110-0404

Comment:

Container #	Submission #	Item #	Quantity	Description / Source
A	1	1-1	1	One Firearm (Handgun) Box Firearm Weapon received from Chelmsford PD Det. Steven Hawkins.
A	1	1-1.1	2	One coin envelope Test Fire Two (2) test fires of item 1-1 using two live cartridges from item 1-3
A	1	1-2	1	One Firearm (Handgun) Box Magazine(s) Magazine recovered loaded with eleven (11) .40 S&W caliber live cartridges, head stamped 'SPEER'.
A	1	1-3	11	One Firearm (Handgun) Box Ammunition Eleven (11) .40 S&W caliber live cartridges, head stamped 'SPEER' from magazine.
A	1	1-4	1	One Firearm (Handgun) Box Ammunition One (1) .40 S&W caliber live cartridges, head stamped 'SPEER' from firearm chamber.
A	3	3-1	1	One Firearm (Handgun) Box Discharged Cartridge Casing(s) One (1) .40 S&W caliber discharged cartridge casing, head stamp "SPEER". photo as #3.
A	3	3-2	1	One Firearm (Handgun) Box Discharged Cartridge Casing(s) One (1) .40 S&W caliber discharged cartridge casing, head stamp "SPEER". photo as #4.
A	3	3-3	1	One Firearm (Handgun) Box Spent Projectile(s) One (1) jacketed spent projectile recovered from wall in bedroom. Photo as #9.

Det. Jeff Blodgett

Print Name (Released To)

Evidence Technician: Andrew S. Fiorentino

Returned By

09/05/2017

Signature (Released To)

Date

Signature (Returned By)

The items and/or sub-items listed on this receipt were assigned by the laboratory and are returned in sealed packages The accountability for the contents of these sealed packages is the responsibility of the submitting officer and/or laboratory examiner.

# Firearms Identification Section Review Worksheet

Case #:17-18214	Town: Chelmsford
Technically Reviewed By: <i>[Signature]</i>	Date: 8-18-17
Administratively Reviewed By: <i>[Signature]</i>	Date: 8-17-17

Examiner's Initials & ID # <i>[Signature]</i>	Examination Start Date 08-01-17	Examination Finish Date 08-02-17
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This worksheet is intended as a guide for the firearm's examiner. Not every piece of information is required for every case and the firearms examiner needs only to record information applicable to the particular case.

*[Handwritten initials]*



# The Commonwealth of Massachusetts Department of State Police

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*Crime Laboratory*

*Firearms Identification Section - Naynard*

*124 Acton Street*

*Naynard, Massachusetts 01754*

*Telephone (978) 451-3480 Facsimile (978) 451-3481*

## FIREARMS IDENTIFICATION SECTION REPORT

**Laboratory Case Number:** 17-18214

**Agency:** MSP Middlesex County Detective Unit

**Suspect(s):** William O Santiago

**Victim(s):** [REDACTED]

**Report Date:** August 18, 2017

**Agency Number:** 2017-110-0404

**Offense Type:** Police Shooting

**Town:** Chelmsford

On July 23, 2017, Lieutenant David M Cahill and Trooper's David Hughes and Michael Bonasoro of the Firearms Identification Section responded to 3 Clover Hill Drive in the Town of Chelmsford in regards to a Non-Fatal Police Officer Involved Shooting. The following evidence was recovered and returned to this section for examination:

- 1-1 Firearm .40 S & W caliber Glock model 23Gen4 semi-automatic pistol serial number RTV870
- 1-2 Magazine(s) Magazine recovered loaded with eleven (11) .40 S&W caliber live cartridges, head stamped 'SPEER'.
- 1-3 Ammunition Eleven (11) .40 S&W caliber live cartridges, head stamped 'SPEER' from magazine.
- 1-4 Ammunition One (1) .40 S&W caliber live cartridges, head stamped 'SPEER' from firearm chamber.
- 1-5 Discharged Cartridge Casing(s) One (1) .40 S&W caliber discharged cartridge casing, head stamp "SPEER 40 S&W". photo as #3.
- 1-6 Discharged Cartridge Casing(s) One (1) .40 S&W caliber discharged cartridge casing, head stamp "SPEER 40 S&W". photo as #4.
- 1-7 Spent Projectile(s) One (1) copper jacketed spent projectile recovered from wall in bedroom. Photo as #9.

Item 1-1 is a .40 S&W caliber Glock model 23 Gen4 semi-automatic pistol, serial number RTV870. Item 1-1 has a general rifling system of six lands and six grooves with a right hand twist. The trigger pull measured between six and seven pounds. Item 1-1 was test fired using two of the recovered live cartridges and no malfunction were noted.

As the result of physical and microscopic examination of the recovered evidence against the test specimens it is my opinion that:

A/The two .40 S&W caliber discharged cartridge casings mentioned in items 1-5 and 1-6 above were both fired by item 1-1  
1  
.40 S & W caliber Glock model 23Gen4 semi-automatic pistol serial number RTV870.

B/The copper jacketed lead spent projectile mentioned in item 1-7 above was fired from item 1-1 .40 S & W caliber Glock model 23Gen4 semi-automatic pistol serial number RTV870.

No further examination will be conducted unless requested.

This report reflects the test results, conclusions, interpretations, and/or the findings of the analyst as indicated by the signature below. Uncertainty of Measurement plus or minus 1/16 of an inch.



Lieutenant David M. Cahill  
Massachusetts State Police  
Firearms Identification Section  
david.cahill@MassMail.State.MA.US

This report was electronically signed using password protected software.

Report to: Trooper Anthony Delucia #2975  
MSP Middlesex County Detective Unit



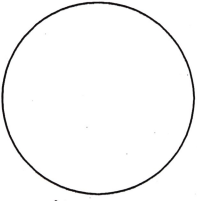
# Firearms Identification Section Worksheet

<b>Case #:</b> 17-18214	<b>Town:</b> Chelmsford
<b>Container Letter:</b> <span style="font-size: 1.5em; margin-left: 20px;">A</span>	<b>Outer Packaging:</b> <input type="checkbox"/> Paper Bag <input type="checkbox"/> Plastic Bag <input type="checkbox"/> Tyvek Bag <input type="checkbox"/> Envelope <input type="checkbox"/> Rifle Box <input checked="" type="checkbox"/> Handgun Box <input type="checkbox"/> Other _____
<b>Item #:</b> <span style="font-size: 1.5em; margin-left: 20px;">1-1</span>	<b>Seal Condition:</b> <input checked="" type="checkbox"/> Sealed & Marked <input type="checkbox"/> Unsealed
<b>Description:</b> <span style="font-size: 1.5em; margin-left: 20px;">Firearm</span>	
<b>Exam Location:</b> <input type="checkbox"/> DANV <input type="checkbox"/> LAKE <input checked="" type="checkbox"/> MAYN <input type="checkbox"/> SPRG	

<b>Caliber</b> <span style="font-size: 1.5em; margin-left: 20px;">.40 S&amp;W</span>
<b>Make/Manufacturer</b> <span style="font-size: 1.5em; margin-left: 20px;">Glock</span>
<b>Model</b> <span style="font-size: 1.5em; margin-left: 20px;">23 Gen 4</span>
<b>Action/Firearm Type</b> <span style="font-size: 1.5em; margin-left: 20px;">Semi-Auto</span>
<b>Serial #</b> <span style="font-size: 1.5em; margin-left: 20px;">RTV870</span>
<b>Importer</b> <span style="font-size: 1.5em; margin-left: 20px;">N/A</span>
<b>Barrel Length</b> <span style="font-size: 1.5em; margin-left: 20px;">3 7/8"</span>
<b>Device #</b> <span style="font-size: 1.5em; margin-left: 20px;">16086180</span>
<b>Overall Length</b> <span style="font-size: 1.5em; margin-left: 20px;">N/A</span>
<b>Direction of Twist</b> <span style="font-size: 1.5em; margin-left: 20px;">CR</span>
<b>Ammunition Capacity</b> <span style="font-size: 1.5em; margin-left: 20px;">13+1</span>
<b>Safety Functionality</b> <span style="font-size: 1.5em; margin-left: 20px;">in manual safety</span>
<b>Trigger Pull</b> Measurement 1 <span style="font-size: 1.5em; margin-left: 20px;">6.16</span> 2 <span style="font-size: 1.5em; margin-left: 20px;">7.22</span> 3 <span style="font-size: 1.5em; margin-left: 20px;">6.00</span>
<b>Overall Functionality</b> <span style="font-size: 1.5em; margin-left: 20px;">Functioned</span>

DRAWINGS ARE NOT TO SCALE


**Cylinder Capacity and Direction:**



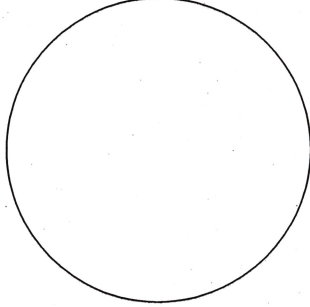
**Magazine Type and Capacity:**  
13 Double Stack

**Ammunition / Headstamp:**

Centerfire



Rimfire



<b>Test Fire Properly?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Witness' initials:</b> <span style="font-size: 1.5em; margin-left: 20px;">MAB</span>
<b>Remarks:</b> <span style="font-size: 1.5em; margin-left: 20px;">T/F item 1-1 using two live cartridges from item 1-3 no malfunctions were noted</span>
<b># of Test Fire Rounds Saved</b> <span style="font-size: 1.5em; margin-left: 20px;">2</span> <b>NIBIN Rounds Saved</b> <input type="checkbox"/>

<b>Examiner's Initials &amp; ID #</b> <span style="font-size: 1.5em; margin-left: 20px;">Jone 0697</span>	<b>Examination Date</b> <span style="font-size: 1.5em; margin-left: 20px;">08-01-17</span>
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This worksheet is intended as a guide for the firearm's examiner. Not every piece of information is required for every case and the firearms examiner needs only to record information applicable to the particular case.

JMC

# Massachusetts State Police Firearms Identification Section

Case #17-18214	Examiner's Initials & ID # <i>JAC 0197</i>
Examination Start Date: <i>08-01-17</i>	Examination Finish Date: <i>08-02-17</i>

*1-5 OWB (1) .40 S&W CALIBER discharged cartridge casing  
head stamp "S&W 40 S&W" CSS PLACARD # <sup>124</sup> 3*

*1-6 OWB (1) .40 S&W CALIBER discharged cartridge casing  
head stamp "S&W 40 S&W" CSS PLACARD # 4*

*AFTER physical and microscopic examination of items  
1-5 and 1-6 .40 S&W CALIBER discharged cartridge casings  
I found that these discharged cartridge casings have the  
same class characteristics as the test firing's  
from item 1-1 weapon. They also have sufficient  
quantity and quality of individual markings located  
on the firing pin Anodized Sheen. Items 1-5  
and 1-6 were both fired by item 1-1 weapon*

*Blue*







17-18214  
Item 1-7  
Mag 22X

17-18214  
Item 1-1.1TF  
Mag 22X

Area of Agreement



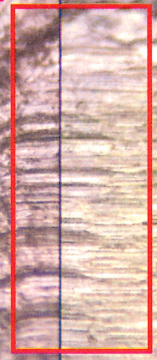
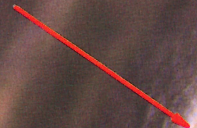
This Photograph is intended to represent a sampling of Areas of Agreement

17-18214  
DM

17-18214  
Item 1-1.1TF  
Mag 28X

17-18214  
Item 1-5  
Mag 28X

Area of Agreement



This Photograph is intended to represent a sampling of Areas of Agreement

17-18214  
*Jim*

17-18214  
Item 1-1.1TF  
Mag 28X

17-18214  
Item 1-5  
Mag 28X

Area of Agreement



This Photograph is intended to represent a sampling of Areas of Agreement

17-18214

*See*



EVIDENCE SUBMISSION FORM (ESF)

The Commonwealth of Massachusetts
Department of State Police Forensic Services Group (FSG)
Sudbury Evidence Unit: (508) 358-3155 Fax: (508) 358-3222
Danvers Evidence Unit: (978) 538-6111 Fax: (978) 538-6112
Lakeville Evidence Unit: (508) 946-1310 Fax: (508) 946-1041
Springfield Evidence Unit: (413) 205-1837 Fax: (413) 205-1838

Place LIMS Barcode Label here or write assigned number below.

(Affix LIMS barcode label here.)

FSG Case Number 17-18214 - 1

Type of Case: Police Shooting Date of incident: 07/23/2017
Investigating Agency: MSP Middlesex County Detective Unit Investigating Agency Case #:
Incident Address: 3 Clover Hill Drive Incident Town: Chelmsford
Report to (Name): Trooper Anthony Delucia #2975 Tel. #: (781) 897-6618 Email:

Table with columns: Victim/Other's Name(s), DOB, Sex, Race, Suspect's Name(s), DOB, Sex, Race, SSN#

Table with columns: List item description and owner's name (or origin) of each item separately, Recovery Location, Analysis Requested

The items reported to be in the packages were inventoried and documented above by a representative from the submitting agency. At the time of analysis, the assigned analyst/examiner will unseal the package and verify the inventory.

I, Tpr. David Hughes, Received By (Signature)

, acknowledge receipt of the item(s) above from Trooper David Hughes. Printed or typed rank & name of Delivered By

07/23/2017 Date

SP Ballistics - Maynard Department / Agency (of Delivered By)

Tpr. David Hughes Signature of Delivered By

IF THE STATUS OF THIS CASE CHANGES, PLEASE NOTIFY THE CASE MANAGEMENT UNIT AT 978-451-3440.



EVIDENCE SUBMISSION FORM (ESF)

The Commonwealth of Massachusetts
Department of State Police Forensic Services Group (FSG)
Sudbury Evidence Unit: (508) 358-3155 Fax: (508) 358-3222
Danvers Evidence Unit: (978) 538-6111 Fax: (978) 538-6112
Lakeville Evidence Unit: (508) 946-1310 Fax: (508) 946-1041
Springfield Evidence Unit: (413) 205-1837 Fax: (413) 205-1838

Place LIMS Barcode Label here or write assigned number below.

(Affix LIMS barcode label here.)

FSG Case Number 17-18214 - 3

Type of Case: Police Shooting Date of incident: 07/23/2017
Investigating Agency: MSP Middlesex County Detective Unit Investigating Agency Case #:
Incident Address: 3 Clover Hill Drive Incident Town: Chelmsford
Report to (Name): Trooper Anthony Delucia #2975 Tel. #: (781) 897-6618 Email:

Table with columns: Victim/Other's Name(s), DOB, Sex, Race, Suspect's Name(s), DOB, Sex, Race, SSN#

Table with columns: List item description and owner's name (or origin) of each item separately, Recovery Location, Analysis Requested

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, acknowledge receipt of the item(s) above from Trooper David Hughes. Printed or typed rank & name of Delivered By

07/23/2017 Date

SP Ballistics - Maynard Department / Agency (of Delivered By)

Tpr. David Hughes Signature of Delivered By

IF THE STATUS OF THIS CASE CHANGES, PLEASE NOTIFY THE CASE MANAGEMENT UNIT AT 978-451-3440.

Handwritten initials 'DCH'

# MASSACHUSETTS STATE POLICE FIREARMS IDENTIFICATION SECTION

DEPT: <i>Chelmsford P.D. (Middlesex Co.)</i>		CASE #: <i>17-18214</i>	
LOCATION: <i>3 Clover Hill Dr</i>		DATE: <i>07-23-17</i>	
OFFENSE:      POSS      FATAL      NONFTL      ASSAULT      OTHER <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>			
TIME OF ARRIVAL: <i>09:50</i>		SCENE:      SECURED      NONSECURED <input checked="" type="checkbox"/> <input type="checkbox"/>	
LIGHTING CONDITIONS:		WEATHER: <i>Partly Cloudy 75°</i>	
VICTIM: <i>OFF LEAHY</i>		DEFENDANT:	
SUBMITTED BY:		RECEIVED BY:	
MAKE/MANUFACTURER: <i>Glock</i>			
CALIBER: <i>.40 S&amp;W</i>		MODEL: <i>23 Gen V</i>	
SERIAL #: <i>RTV 870</i>		FIREARM TYPE: <i>S&amp;P pistol</i>	
SAFETY POSITION: <i>N/A</i>		HAMMER POSITION: <i>NO external hammer</i>	
<i>Received from Det Steven Hawkins 10:10 hrs</i>			
<i>2 magazines from duty Belt 13 Leave each (Full) returned to PD</i>			
<i>1- Light under frame (returned to Chelmsford PD)</i>			
<i>1- magazine from weapon with 11 live cartridges "S&amp;P SA 40 S&amp;W"</i>			
<i>1- Live cartridge from chamber</i>			
CASE #: <i>17-18214</i>		TOWN: <i>Chelmsford</i>	
OFFICER: <i>LT D.M. CAHILL</i>		OFFICER:	
ID#: <i>0197</i>		ID#:	

This worksheet is intended as a guide for the firearm's examiner. Not every piece of information is required for every case and the firearms examiner need only to record information applicable to the particular case.

*JMC*

## MASSACHUSETTS STATE POLICE FIREARMS IDENTIFICATION SECTION

DEPT: <i>Chelsea PD (Middlesex Co PA)</i>		CASE #: <i>17-18214</i>	
LOCATION: <i>3 Clover Hill Dr</i>		DATE: <i>07-23-17</i>	
OFFENSE: <input type="checkbox"/> POSS <input type="checkbox"/> FATAL <input checked="" type="checkbox"/> NONFTL <input type="checkbox"/> ASSAULT <input type="checkbox"/> OTHER			
TIME OF ARRIVAL: <i>09:50</i>		SCENE: <input checked="" type="checkbox"/> SECURED <input type="checkbox"/> NONSECURED	
LIGHTING CONDITIONS: <i>Day Light</i>		WEATHER: <i>Partly Cloudy 75°</i>	
VICTIM: <i>Off Merd</i>		DEFENDANT:	
SUBMITTED BY:		RECEIVED BY:	
MAKE/MANUFACTURER: <i>Gaucha</i>			
CALIBER: <i>40 S&amp;W</i>		MODEL: <i>Model 23 Gaucha</i>	
SERIAL #: <i>RTU 894</i>		FIREARM TYPE: <i>S&amp;W Pistol</i>	
SAFETY POSITION: <i>N/A</i>		HAMMER POSITION: <i>Up</i>	
<i>Received from Det Steven Hawkins</i>			
<i>1- Live from chamber</i>			
<i>Three Full Lured magazines (13 Live) found under slide</i>			
<i>All returned to Chelsea PD</i>			
CASE #: <i>17-18214</i>		TOWN: <i>Chelsea</i>	
OFFICER: <i>Det D.M. Cahill</i>		OFFICER:	
ID#: <i>0697</i>		ID#:	

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*DLK*

# MASSACHUSETTS STATE POLICE FIREARMS IDENTIFICATION SECTION

DEPT: <i>Chelmsford (Middlesex Com)</i>		CASE #: <i>17-18214</i>	
LOCATION: <i>3 Clover Hill Dr</i>		DATE: <i>07-23-17</i>	
OFFENSE:      POSS      FATAL      NONFTL      ASSAULT      OTHER <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
TIME OF ARRIVAL: <i>09:50</i>		SCENE:      SECURED      NONSECURED <input checked="" type="checkbox"/> <input type="checkbox"/>	
LIGHTING CONDITIONS:		WEATHER: <i>partly cloudy 76°</i>	
VICTIM: <i>Off Manti</i>		DEFENDANT: <i>William Santiago</i> [REDACTED] <i>81</i>	
SUBMITTED BY:		RECEIVED BY: [REDACTED]	
MAKE/MANUFACTURER: <i>Gaucha</i>			
CALIBER:		MODEL: <i>23 Gow 4</i>	
SERIAL #: <i>UUN756</i>		FIREARM TYPE: <i>S/A pistol</i>	
SAFETY POSITION: <i>none</i>		HAMMER POSITION: <i>none</i>	
<i>Receipt for Det. Steven Hawkins</i>			
<i>3 Fully loaded magazines (13 Live cartridges)</i>			
<i>1- Live cartridge from chamber / one 1476 under slide</i>			
<i>All returned to Chelmsford P.D. at scene.</i>			
CASE #: <i>17-18214</i>		TOWN: <i>Chelmsford</i>	
OFFICER: <i>LT Dan Cahill</i>		OFFICER:	
ID#: <i>0697</i>		ID#:	

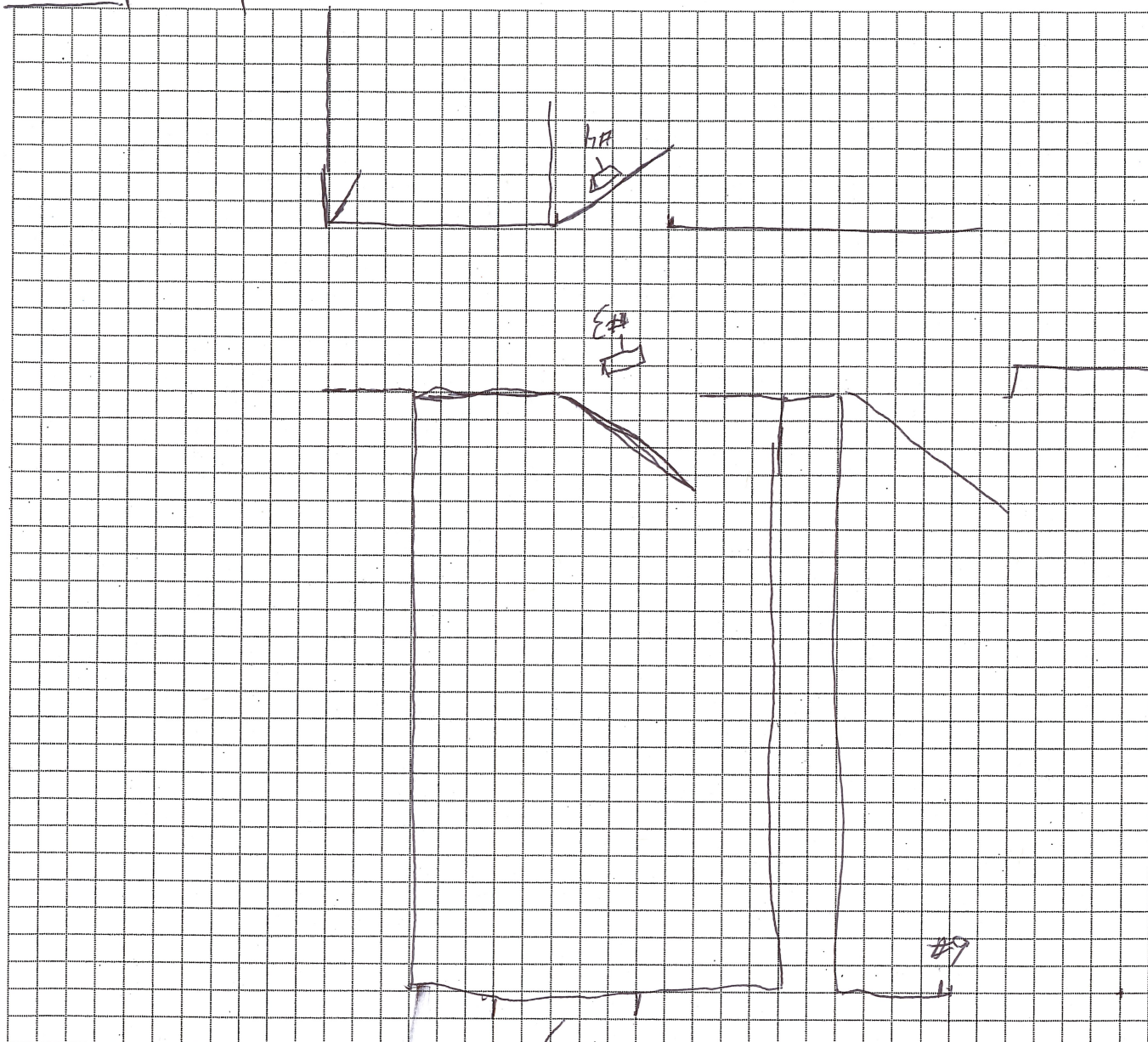
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*See*



# MASSACHUSETTS STATE POLICE FIREARMS IDENTIFICATION SECTION

*Bathroom*



<i>17-18214</i>		<i>17-18214</i>	
CASE #:	<i>18 17-18214</i>	TOWN:	<i>Chelmsford</i>
OFFICER	<i>LT DM. CAHAN</i>	OFFICER	
ID#:	<i>0697</i>	ID#:	

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*Jee*