

**THE 5 MOST DANGEROUS
TRENDS FACING SCHOOL SAFETY
TODAY**



AREAS COVERED

- The State of Mental Health in America
- School Shootings
- Sandy Hook Elementary School
- Tips – Facts – Quotes
- A School's Guide to Securing Glass



MENTAL HEALTH IN AMERICA



In the wake of the Newtown school massacre, many have called for a stronger mental health safety net as one way to reduce violent shootings.

Shooters in previous massacres had unmet mental health needs. (Kliff 6)



MISMANAGEMENT OF OUR MENTALLY ILL

- Social isolation is an enormous problem for many of the mentally ill.
- The hours they are the most isolated, lonely, and anxious are typically during evenings and early mornings. At these times, no mental health professionals are available and going out of their apartments is the riskiest.
- One of the strongest ironies in our mental health system is that the people who have the most problems with being alone are the very people that we've decided should live all by themselves for the rest of their lives in scary apartments. (Turnquist 3)



MANY PEOPLE WHO NEED MENTAL HEALTH CARE DO NOT RECEIVE HELP

- Attitudes about mental health services are another big barrier to care. A study in the journal *Psychiatric Services* asked 303 mental patients who had thought about going to the doctor but decided against it.
- The most frequent response, from **66%** of the patients, had to do with attitude: They thought the problem would get better on its own. **71%** agreed with the statement “I wanted to solve the problem on my own.” (Kliff 6)
- Today, approximately **2.2 million** severely mentally ill people do not receive any psychiatric treatment. (Torrey 5)



PERVASIVENESS OF MENTAL HEALTH ISSUES

- 10% of children and 25% of Adults in America *struggle with serious emotional and mental disorders* which cause significant daily functional impairment.
- 4 of 10 leading causes of disability in the U.S. are mental disorders.
- 70% of youth in the juvenile system have at least one mental disorder. Over **50%** of students with a mental disorder **drop out of high school**.
- Less than 1/3 of adults and 1/2 of children with mental illness receive mental health services.
- Only **one in five** of the 2.8 million people with serious Mental illness were receiving adequate care.
- 25% to 30% of those suffering with one or more chronic mental illness will always need assistance with taking medications, and interacting socially. (Kofman 8)



MISINFORMATION IS A FREQUENT TREND

- For youth and adults living with serious mental illness, these consequences include frequent visits to emergency room, hospitalizations, homelessness, entanglement with juvenile and criminal justice systems, the loss of critical development years, premature deaths and suicides. (Honberg 2)
- Many severely mentally ill people have been given the false impression that if they decide to drink or use marijuana or other drugs, they should stop their psychiatric medicines. So they end up dealing with the effects of substance abuse and the abrupt stoppage of their medications at the same time. (Turnquist 3)



THE BIG CHANGE IN MENTAL HEALTH

- *Deinstitutionalization* is the name given to the policy of moving severely mentally ill people out of large state institutions. It has been a major contributing factor to the mental illness crisis.
 - The part of deinstitutionalization that has moved the severely mentally ill out of state hospitals affected the people who are already mentally ill.
 - The 2nd part of it was the closing of all or part of those hospitals which affects those who become ill after the policy has gone into effect and for the indefinite future because hospital beds have been permanently eliminated. (Torrey 5)
- Proportionate to the nation's population today, there would have been 885,010 people who would have been living in public psychiatric hospitals in 1955 compared with less than 75,000 today.
 - In effect, approximately 92% of the people who were living in public psychiatric hospitals in 1955 are not living there today. (Torrey 5)
 - In a little more than 40 years the number of occupied state hospital beds in the U.S. was reduced from 339 per 100,000 on any given day to 21 per 100,000 on any given day. (Lamb 7)

IT'S THE SEVERELY MENTALLY ILL THAT HAVE BEEN AFFECTED THE MOST

- **Some of the mentally ill are dangerous to themselves or others.** However, putting them into an institution or state hospital without their consent is not a legal option. These people have made their way into prisons, on the street, or have become destructive to themselves and/or society. (Crotts 4)
- Most of those who were deinstitutionalized from the nations' public psychiatric hospitals were severely mentally ill.
- Between **50% and 60%** of them were diagnosed with Schizophrenia and another 10% to 15% were diagnosed with manic-depressive illness and severe depression. (Torrey 5)
- **Increasing violent episodes** by seriously mentally ill persons were a consequence of not receiving adequate treatment. (Kofman 8)



Recent changes in Mental Health Care in Virginia

Recently, Governor McDonnell has proposed close to \$40 million new dollars towards Mental Health Care in Virginia. In addition, Vice President Biden has announced \$100 million dollars towards Mental Health Care.

There are fantastic revelations from our state and federal governments that Mental Health Care in our state and country for an issue that has been put on the back burner for far too long.

However, it is doubtful these new funds will change our problem dramatically, if at all. With deinstitutionalization still in effect, individuals are not required to make use of available services. Also, more than half of these funds often go to administrative costs, lowering the overall services made available by these funds.

More importantly than funding, the current system's issues with efficiency and organization should be addressed. Simply spending more money will never fix that problem.



SCHOOL SHOOTINGS

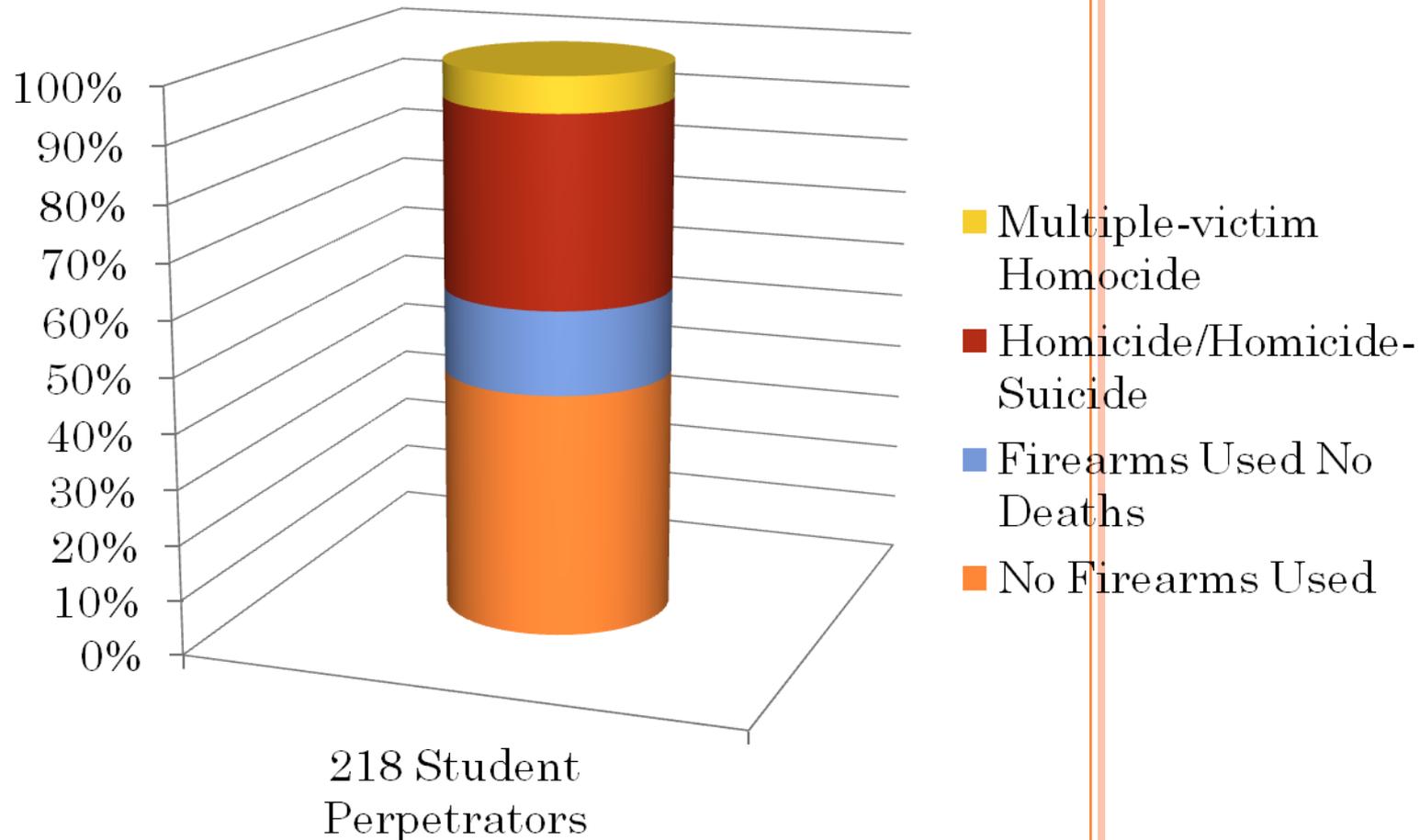


SCHOOL TRAGEDIES CAN HAPPEN ANYWHERE & COMMITTED BY ANYONE

- School Shootings are “**rarely impulsive**”
- Profiles of shooters differ to the point of randomness (Espisito 13)
- **Homicide** is the second leading cause of death among youth aged 5-18 (CDC 10)
- According to the National Association of School Psychologists (NASP)(2002) there is no “*profile of risk factors that accurately determines the next shooter.*” (Chesbro 9)



AN ACTIVE SHOOTER IS AN INDIVIDUAL ACTIVELY ENGAGED IN KILLING OR ATTEMPTING TO KILL PEOPLE IN A CONFINED AND OTHER POPULATED AREA. (CHESBRO 9)



DEMOGRAPHICS OF SHOOTERS AND VICTIMS ⁽¹²⁾

Shooters

Age	Number
0-9	5 (2%)
10-19	168 (69%)
20-29	36 (15%)
30-39	12 (5%)
40-49	14(6%)
50+	9 (4%)

Victims

Age	Number
0-9	31 (6%)
10-19	300 (59%)
20-29	80 (16%)
30-39	28 (5%)
40-49	33 (6%)
50+	38 (7%)

SANDY HOOK



SANDY HOOK

The tragedy at Sandy Hook Elementary lasted about ten minutes. At the time of the event, Sandy Hook had a **buzz-in** and **camera** system in place.

This system was designed as a filter and deterrent against unwanted visitors. In addition, the system was supposed to provide faculty and staff valuable time to implement their security plan.

Unfortunately, this wasn't enough.

During the event, there was confusion about what was occurring. There was very little time available to evaluate the situation due to the fact that the intruder was able to enter the building in only a **few seconds**.



SANDY HOOK TIMELINE BASED ON 911 RECORDINGS

- **0935** Sandy Hook School. Caller is indicating she thinks there's someone shooting in the building.
- **0936** Units responding at Sandy Hook School. The front glass has been broken. We're not sure why.
- **0937** All units, the individual I have on the phone is continuing to hear what he believes to be gunfire.
- **0938** All units responding to Sandy Hook School at this time. The shooting appears to have stopped. The school is in lockdown.
- **0940** I will need two ambulances at this time.
- **0940** The shooter is apparently still shooting in the office area.
- **0941** Take exit 10... continue on Riverside Road, Dickerson Dr. Make sure you have your vest on.
- **0942** Last known shots were in the front of the (inaudible)
- **0943** We have one fatal in room one... (inaudible) received wound to foot...
- **0946** I got bodies here (Van Horn 15)



SANDY HOOK CASE STUDY

If you look at the underlined and italicized portions of the 911 recording, you will not only notice the **short amount of time** the tragedy took from beginning to end but the staff and the first responders had **no way to assess** what was actually taking place.

The reason for this was the **weak point of the entry way** was never addressed, rendering all of the proactive steps and precautions the school took, useless. With **one shot** to the glass door, the intruder **quickly and easily** entered the school and results were devastating.

If they had had the ability to secure the glass to **either buy them time** to implement their plan, assess the situation, or even deter the intruder so the tragedy never happened that would have **saved many lives**. The decision makers at Sandy Hook are not to blame. They should be applauded for the measures they took prior to the event that day. Sandy Hook should be looked at as a **valuable case study** on how we can improve our schools in a safe, sensible, effective, and non obtrusive way.



TIPS – FACTS - QUOTES



DEVELOPING A PLAN

- In developing any security program, procedures must be developed first. From these procedures, decisions can be made about personnel and hardware/technology.
- There are only three interdependent components of any physical security system. People, Procedures and Hardware/Technology. (Miller 16)



IS THERE ENOUGH TIME?

When you're
waiting for police
officers to arrive,
time is

Everything. (Cohen

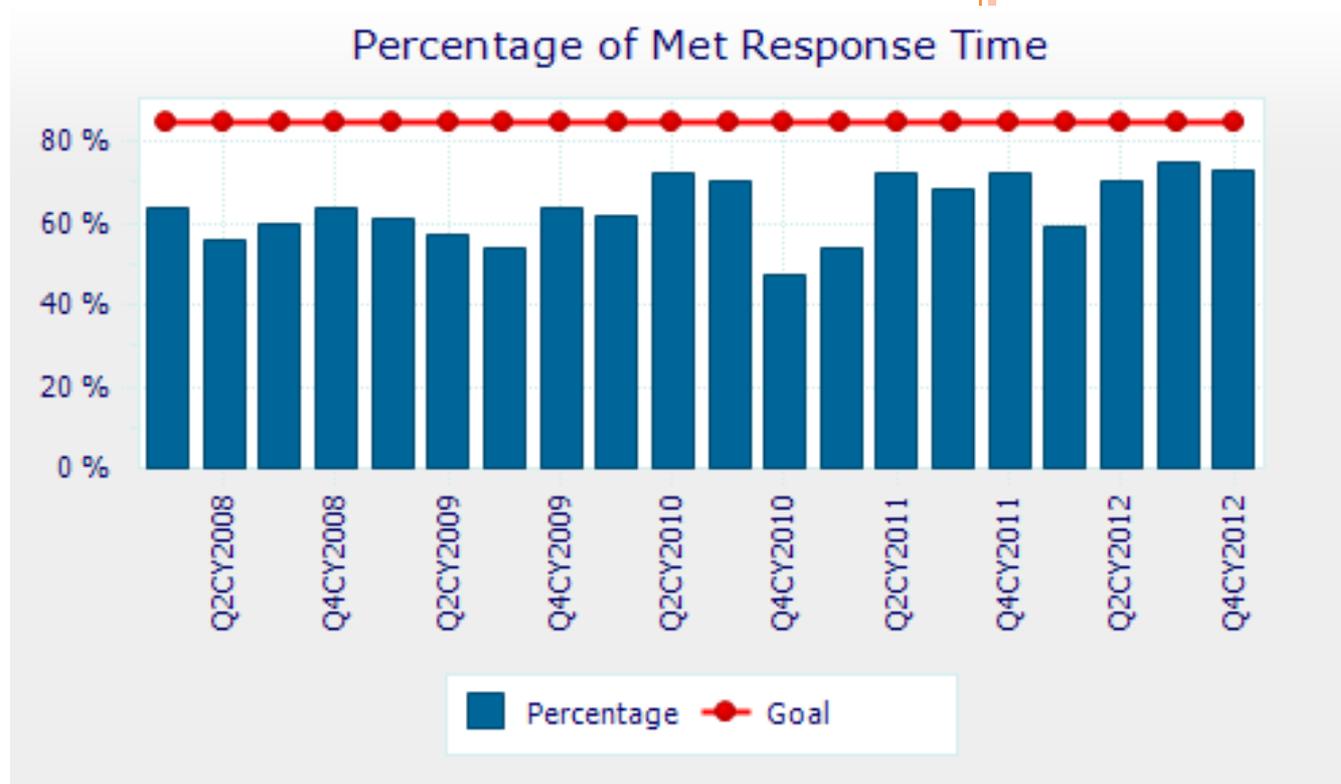
17)



ALBEMARLE POLICE DEPARTMENT RESPONSE TIMES

(ALBEMARLE.ORG 14)

80% calls met within
5 minutes



KNOW WHO IS AT YOUR LOCATION

Regardless of if you have an open campus or a secure facility, there should be a policy to check in visitors and vendors.

(Vazquez 19)



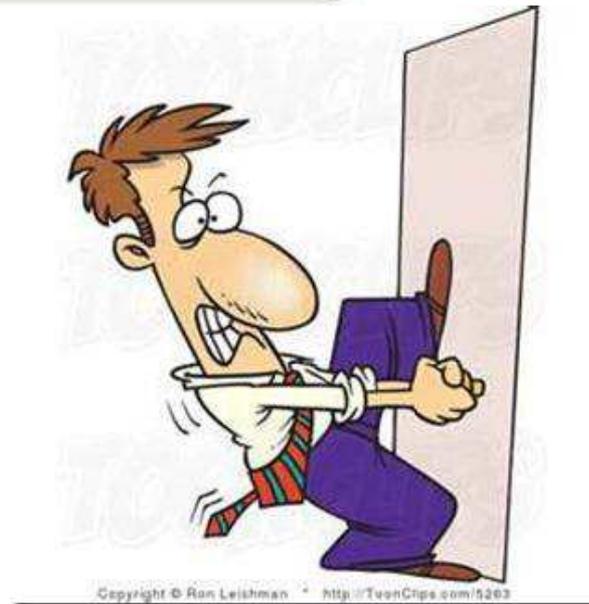
REDUCING AND CONTROLLING SCHOOL ACCESS

- Establish one main entrance
- Create visitor sign in/sign out
- Reduce the number of doors that can be opened from the outside
- Reconfigure main entrance design
- Consider use of a camera, intercom and buzz-in system
- Secure custodial and delivery doors
- Train staff to greet and challenge visitors
- Train students not to open doors to strangers (Trump 18)
- **Secure glass on doors/windows**



THE IMPORTANCE OF A LOCKED DOOR

In the traditional active shooter scenario or situations that have occurred over the years, *shooters have had a tendency to pass locked doors*, to not go through a locked door. They're looking for easy, quick targets. (Cohen 17)



LOCKDOWNS WORK

While there, sadly, was not opportunity for everyone at Sandy Hook to lockdown their classrooms, **lockdowns did work** for many that were able to do so and saved lives even at Sandy Hook. (Trump 20)



COSTS VS. SECURITY

- Implementing any security measures can be a very expensive undertaking, complicated by the emotions of everyone involved. (Miller 16)
- School administrators struggle with maintaining a balance between having a user-friendly, welcoming school climate and a facility which is secure from unwanted intruders. (Trump 18)



IMPORTANCE OF INVESTING IN BARRIERS

“I don’t know what the doors will cost, but at the end of the day, anything that could **slow down** a potential shooter or a potential problem to give the good guys time **to respond**, is something very **important** to us.”

(Principal Craig) Hockenberry (Meraji 21)



THE SCHOOL SECURITY BALANCING ACT

School security is a tremendous challenge. Administrations need a balance of effective plans, security equipment and hardware that isn't cost prohibitive and still enables them to have a positive academic atmosphere.

- Schools have finite resources, and it is a huge challenge for school administrators to implement an effective and cost efficient security program with those limited resources. (Miller 16)
- A single bullet-resistant exterior door could cost between **\$3000 and \$7000**, depending on how resistant it is. (Cohen 17)
- Security Surveillance and hardware can range from a couple of thousand to tens of thousands of dollars. (Meraji 21)



MINIMUM AREAS TO ADDRESS

School districts have different **budgets and needs**. However, every school has easy access windows and glass doors that are **weak points**.

Whether or not a school district needs or can afford cameras, buzz-in systems, security guards, etc.; **They all need locks, a visitor check-in and secure glass.**



OPTIONS FOR SECURING GLASS

There are different options for securing the glass in your school. Having an expert in these fields is highly recommended to consult on your needs and budget.

System	Application	Protection	Cost
Bullet Resistant Glass	Removing all existing glass & window frames. Replace with heavy-duty frames & bullet-resistant glass	Highly effective	Cost prohibitive
Laminate Glass	Removing all existing glass & replacing with new laminate glass	Moderately effective	Expensive
Security Film with IPA attachment	Apply film & IPA to existing glass & frames	Very effective	Moderate

SCHOOL GUIDE TO SECURING GLASS



7 IMPORTANT QUESTIONS TO ASK ABOUT A SECURITY FILM INSTALLATION FIRM.

- Are they certified in security films and attachment systems?
- Do they use reputable products?
- Do they offer free consultations and sensible recommendations specifically for your school?
- Does their product and installation have a warranty?
- Are the security film(s) and attachment system made by the same manufacturer?
- Do they have any experience with security film and attachment systems?
- Do they have demonstrations on the performance and effectiveness of their security film(s) and attachment system?



ARE THEY CERTIFIED IN SECURITY FILMS AND ATTACHMENT SYSTEMS?

Yes!

Clear View Window Tinting stays up to date on any new products and understanding them as well as anyone in the country. We believe in continuing education and being certified in all our products so we can recommend the appropriate solutions and where they would be best utilized. We explain our recommendations in a concise and logical manner so our clients can make an informed decision based on their needs and budgets.

Our certifications are for your review on the following two pages.





Window Films Training Courses

Safety & Security Film Education Series

Certificate of Completion

This certifies that

Darin Martin, Clear View Window Tinting

has successfully completed

Fundamental of Safety and Security Window Films

3M™ Impact Protection Systems Installation Training

3M™ Ultra Series Safety and Security Window Films Installation Training

course from the Safety & Security Film Education Series

on October 18, 2011.

Trainer: Paul Neumann

Technical Service Specialist, 3M Safety & Security Window Films

Signed

Date: 10-18-2011





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DO THEY USE A REPUTABLE PRODUCTS?

Yes!

Clear View Window Tinting is an authorized **3M™** dealer.

- 3M™ earned almost \$30 billion in revenue last year.
- 3M™ earned \$4.4 billion in net income last year.
- 3M™ has almost 88,000 employees worldwide.
- 3M™ spent \$1.6 billion in R&D last year.
- 3M™ has operations in more than 70 countries.
- 3M™ VHB™ Tape has been replacing metal rivets since 1988 (a testament to their superiority in the adhesive industry).
- 3M™ is one of 30 companies in the Dow Jones industrial Average and also is a component of the Standard & Poor's 500 index.
- 3M™ has paid dividends **Every** quarter since 1916.



DO THEY OFFER FREE CONSULTATIONS AND SENSIBLE RECOMMENDATIONS SPECIFICALLY FOR YOUR SCHOOL?

Yes!

Clear View Window Tinting will do in on-site free consultation with the decision makers at your school. We make ourselves very accessible after our consultations in the event of any follow up questions.



DOES THEIR PRODUCT AND INSTALLATION HAVE A WARRANTY?

Yes!

3M™ has the most comprehensive and unambiguous warranty in the industry. 3M™ has a 12 year warranty for their SH 14 security film with a 4 side 3M™ IPA attachment system and a 14 year warranty for their Ultra 600 with a 4 side 3M™ IPA attachment system. Their warranties cover material and labor.

This includes the quantity of film and IPA system and the removal and reapplication of product free of charge.

Ultra 600 Sample
Warranty



S140 Sample
Warranty



ARE THE SECURITY FILMS AND ATTACHMENT SYSTEMS MADE BY THE SAME MANUFACTURER?

Yes!

This is a very important question. 3M™ **makes their own** security films and IPA attachment system. This is **extremely important** in regards to quality control, effectiveness, and warranties. Since 3M™ makes both the security film and the attachment system they **warranty both** as a collective unit.

Other film manufacturers **do not make** an IPA attachment. This means they cannot warranty their products.

3m™ warrants both, **materials and installation**. A warranty is as only as good as the fine print (or lack thereof) and the company that backs it up.



DO THEY HAVE ANY EXPERIENCE WITH SECURITY FILM INSTALLATIONS?

Clear View Installations

Location	Film Type	Square Feet Installed
Virginia Supreme Court	Ultra 600	2,725
JAG School	Ultra 600	19,565
Philip Morris HQ Expansion	Ultra 600	5,280
H.H. McGuire VA Hospital	Ultra Prestige 400	17,365
Armed Services Recruitment Center	Ultra 600	1,015
IRS Building (Staunton)	Ultra 600	820
Dept of Homeland Security (Harrisonburg)	Ultra 600	900

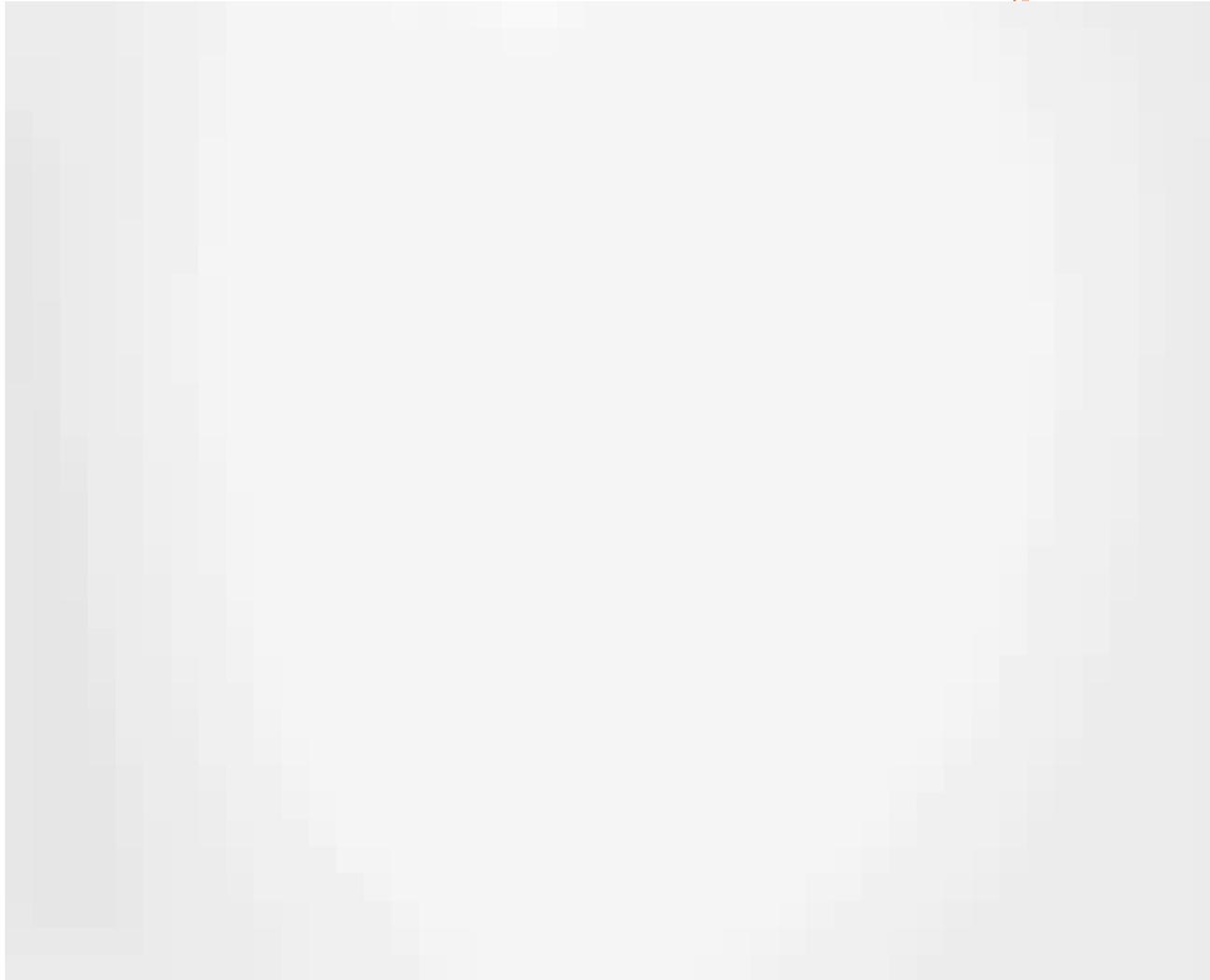
DO THEY HAVE ANY DEMONSTRATIONS ON THE PERFORMANCE AND EFFECTIVENESS OF THEIR SECURITY FILM AND ATTACHMENT SYSTEM IN A REAL LIFE SETTING?

Yes, we do.

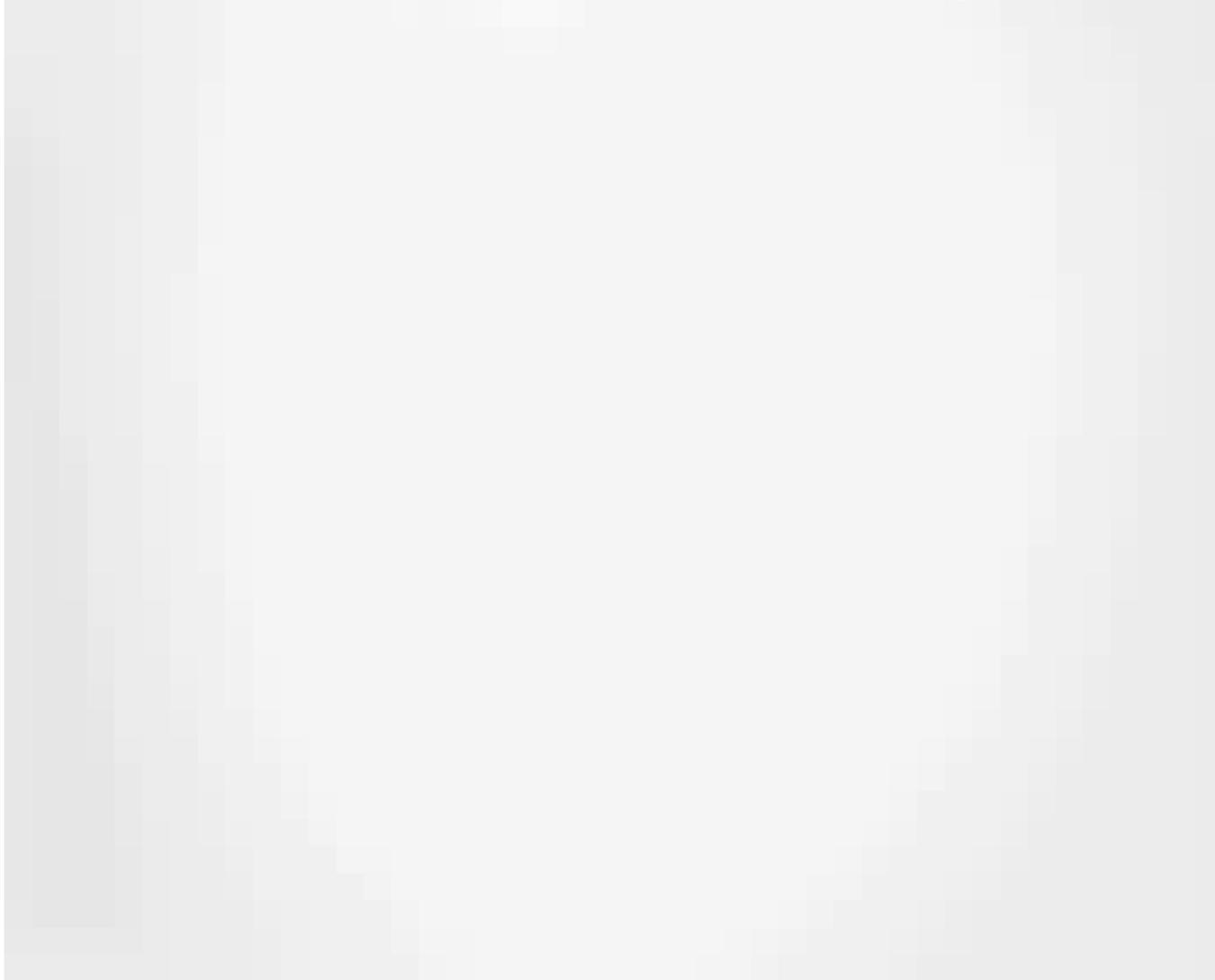
3M™ has created two videos (one for the SH 14 & the other for the Ultra 600) emulating how an intruder could easily enter a locked school without security film and an IPA attachment system on a glass door. The video has a side by side of a filmed door and an unfilmed door.



Ultra S600 Demonstration



S140 Demonstration



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