BEST DESIGN PRACTICES FOR SCHOOL SECURITY
DAVID BELLAMY
AIA, LEED BD+C
K-12 STUDIO LEADER

DEVKI WRIGHT
AIA, LEED BD+C
PROJECT ARCHITECT

GINNY MAGRATH
AIA, LEED GA
PROJECT ARCHITECT
AGENDA

UNDERSTANDING THE ISSUE
WHERE TO BEGIN
CPTED PRINCIPLES
  GUILDING PRINCIPLES
  DETER, DETECT, DELAY
  CONCENTRIC CIRCLES
CASE STUDY
SAFETY VERSUS SECURITY
COST DATA
CONCLUSION
OVER 210,000 STUDENTS HAVE EXPERIENCED GUN VIOLENCE AT SCHOOL SINCE COLUMBINE
1958
SINCE 1958...

140 STUDENTS

25 STUDENTS IN 2017

40 STUDENTS IN 2018
“WE HAVE TO DO BETTER FOR OUR STUDENTS!”
“SO, WHERE TO BEGIN?”
SECURITY AUDIT

BUILDING PERIMETER

HOW BOUNDARIES ARE SECURED

PLAYGOUND LOCATIONS

LANDSCAPING THAT MAY LIMIT VISIBILITY
SECURITY AUDIT

BUILDING PERIMETER
HOW BOUNDARIES ARE SECURED
PLAYGOUND LOCATIONS
LANDSCAPING THAT MAY LIMIT VISIBILITY
WHICH COMMUNICATION SYSTEMS ARE IN PLACE
SITE AND LOCATION OF WINDOWS
NUMBER OF ENTRY POINTS
NUMBER AND LOCATIONS OF EXITS
TYPES OF LOCKS THROUGHOUT THE BUILDING
GUIDING PRINCIPLES

1. EMERGENCY PLAN
2. SECURITY & COMMUNICATION SYSTEMS
3. ARCHITECTURE & ENVIRONMENTAL DESIGN
CPTED PRINCIPLES

DETER

DETECT

DELAY
SCHOOL EMERGENCY PLAN
ARCHITECTURE & ENVIRONMENTAL DESIGN
FOUR CONCENTRIC SECURITY ZONES
CPTED PRINCIPLES

VISITOR SCREENING

SITE BUILDING PERIMETER

INTERIOR ENTRY
CPTED PRINCIPLES | IDENTIFY THREATS
SINGLE ENTRY POINT
SAFE & WELCOMING
CASE STUDY

SINGLE ENTRY

OMNI / MULTI-USE SPACE
OPPORTUNITIES FOR PUBLIC EVENTS & GATHERINGS

CULINARY PROGRAM PROXIMITY TO MAIN ENTRY FOR VISITORS

BOLD ARCHITECTURAL MAIN ENTRY WITH FEATURES TO HIGHLIGHT AND DRAW ATTENTION

PRIDE PLAZA WITH OPPORTUNITIES FOR SIGNATURE LION PRIDE SCULPTURE

COSMETOLOGY LAB ADJACENCY TO MAIN ENTRANCE FOR VISITORS

STANLEY
Home of the Blue Devils
“SO, WHAT DOES THIS COST?”
CALL TO ACTION
SECURITY AUDITS

VULNERABILITY
THREAT
ASSET

RISK
SECURITY AUDIT: 
$6000 - $12,000
VIDEO SURVEILLANCE SYSTEM: 
$40,000 - $60,000

DIGITAL ANALYTICS:
$2000 - $2500 / CAMERA

16-30 CAMERAS REQUIRED FOR THE AVERAGE ELEMENTARY SCHOOL
BULLET RESISTANT GLASS:
ADDITIONAL $10 / SF

10’ x 8’ SECURE ENTRY VESTIBULE:
$17,000
SITE FENCING:

$32.50 / LINEAR FOOT

TWO-PANEL GATE:

$1800
1. PAY AS YOU GO
2. STATE BOND
3. SENATE PROPOSAL FOR TIER ONE/TWO USING LOTTERY FUNDS
“SO WHAT SHOULD WE DO?”
CALL TO ACTION

ADVOCATE TO THE COMMUNITY
WE DESERVE A SAFE PLACE TO LEARN