



2018-2019 Florida Job Growth Grant Fund Workforce Training Grant Proposal

Proposal Instructions: The Florida Job Growth Grant Fund Proposal (this document) must be completed and signed by an authorized representative of the entity applying for the grant. Please read the proposal carefully as some questions may require a separate narrative to be completed. If additional space is needed, attach a word document with your entire answer.

Entity Information

Name of Entity: Seminole State College of Florida
Federal Employer Identification Number (if applicable): [REDACTED]

Primary Contact Name: Dr. Cheryl Cicotti
Title: Associate Vice President, School of Career and Professional
Mailing Address: 100 Weldon Boulevard
Sanford, FL 32773
Phone Number: 407-708-2483
Email: cicottic@seminolestate.edu

Secondary Contact Name: Jim Lee
Title: Dean, Center for Public Safety
Phone Number: 407-708-2316

Workforce Training Grant Eligibility

Pursuant to 228.101, F.S., the Florida Job Growth Grant Fund was created to promote economic opportunity by improving public infrastructure and enhancing workforce training. This includes workforce training grants to support programs offered at state colleges and state technical centers.

Eligible entities must submit proposals that:

- Support programs and associated equipment at state colleges and state technical centers.
- Provide participants with transferable and sustainable workforce skills applicable to more than a single employer.
- Are offered to the public.
- Are based on criteria established by the state colleges and state technical centers.
- Prohibit the exclusion of applicants who are unemployed or underemployed.

1. Program Requirements:

(If additional space is needed, attach a word document with your entire answer.)

Each proposal must include the following information describing how the program satisfies the eligibility requirements listed on page 1.

- A.** Provide the title and a detailed description of the proposed workforce training.

Title: Seminole State College Domestic Terrorism Simulation and Training Center

Description: Attached

- B.** Describe how this proposal supports programs at state colleges or state technical centers.

Attached

- C.** Describe how this proposal provides participants transferable, sustainable workforce skills applicable to more than a single employer.

Attached

- D.** Describe how this proposal supports a program(s) that is offered to the public?

Attached

- E.** Describe how this proposal is based on criteria established by the state colleges and state technical centers.

Attached

- F.** Does this proposal support a program(s) that will not exclude unemployed or underemployed individuals?

Yes

No

Attached

- G.** Describe how this proposal will promote economic opportunity by enhancing workforce training. Please include the number of program completers anticipated to be created from the proposed training. Further, please include the economic impact on the community, region, or state and the associated metrics used to measure the success of the proposed training.

Attached

2. Additional Information:

(If additional space is needed, attach a word document with your entire answer.)

- A.** Is this an expansion of an existing training program? Yes No
 If yes, please provide an explanation for how the funds from this grant will be used to enhance the existing program.

Attached

- B.** Does the proposal align with Florida's Targeted Industries? Yes No
 ([View Florida's Targeted Industries here.](#))

If yes, please indicate the specific targeted industries with which the proposal aligns.
 If no, with which industries does the proposal align?

Homeland Security/Defense – Technology: Simulation and Training

- C.** Does the proposal align with an occupation(s) on the Statewide Demand Occupations List and/or the Regional Demand Occupations List? ([View Florida's Demand Occupations List here.](#)) Yes No

If yes, please indicate the specific occupation(s) with which the proposal aligns.
 If no, with which occupation does the proposal align?

Statewide and WDA Region 12: Police and Sheriff's Patrol Officers (SOC Code 333051, HSHW)

- D. Indicate how the training will be delivered (e.g., classroom-based, computer-based, other).
If in-person, identify the location(s) (e.g., city, campus, etc.) where the training will be available.
If computer-based, identify the targeted location(s) (e.g. city, county, statewide) where the training will be available.

Attached

- E. Indicate the number of anticipated annual enrolled students and completers in the proposed program.

Attached

- F. Indicate the length of program (e.g., quarters, semesters, weeks, etc.), including anticipated beginning and ending dates.

Begin Date: 05/01/2019

End Date: 04/30/2020

Attached

- G. Describe the plan to support the sustainability of the program after grant completion.

Attached

- H. Identify any certifications, degrees, etc. that will result from the completion of the program. Please include the Classification of Instructional Programs (CIP) code and the percent of completer in each code, corresponding with Section E.

Completion of the new ATC program will result in the awarding of an Advanced Technical Certificate (CIP 43.0107).

- I. Does this project have a local match amount?

Yes No

If yes, please describe the entity providing the match and the amount (Do not include in-kind).

Attached

J. Provide any additional information or attachments to be considered for the proposal.

Please see attached letters of commitment from selected local law enforcement agencies, representing broad community and industry support for this project.

3. Program Budget

(If additional space is needed, attach a word document with your entire answer.)

Estimated Costs and Sources of Funding: Include all applicable workforce training costs and other funding sources available to support the proposal.

1.) Total Amount Requested \$ 1,520,290
 Florida Job Growth Grant Fund

2.) Other Workforce Training Project Funding Sources:

City/County \$ 0
 Private Sources \$ 81,750

Other (grants, etc.) \$ 3,450
 Total Other Funding \$ 85,200

Please Specify: Land value

3.) Workforce Training Project Costs:

Equipment \$ 876,313
 Personnel \$ 95,266
 Facilities \$ 509,450
 Tuition \$ 0
 Training Materials \$ 52,380

Other \$ 72,081
Total Project Costs \$ 1,605,490

Please Specify: Attached

Note: The total amount of the project should equal the total amount requested plus the total other funding.

- 4.) Provide a detailed budget narrative, including the timing and steps necessary to obtain the funding, how equipment purchases will be associated with the training program, if applicable, and any other pertinent budget-related information.

Attached

4. Approvals and Authority

(If additional space is needed, attach a word document with your entire answer.)

- A. If entity is awarded grant funds based on this proposal, what approvals must be obtained before it can execute a grant agreement with the Florida Department of Economic Opportunity (e.g., approval of a board, commission or council)?

If this grant is funded, Board of Trustees approval to enter into a grant agreement has already been scheduled for the November 2018 board meeting.

- B. If approval of a board, commission, council or other group is needed prior to execution of an agreement between the entity and the Florida Department of Economic Opportunity:

- i. Provide the schedule of upcoming meetings for the group for a period of at least six months.
- ii. State whether entity is willing and able to hold special meetings, and if so, upon how many days' notice.

Not applicable

- C. Attach evidence that the undersigned has all necessary authority to execute this proposal on behalf of the entity. This evidence may take a variety of forms, including but not limited to: a delegation of authority, citation to relevant laws or codes, policy documents, etc.

Attached copy of Policy 5.090

I, the undersigned, do hereby certify that I have express authority to sign this proposal on behalf of the above-described entity and to the best of my knowledge, that all data and information submitted in proposal is truthful and accurate and no material fact has been omitted.

Name of Entity: Seminole State College of Florida

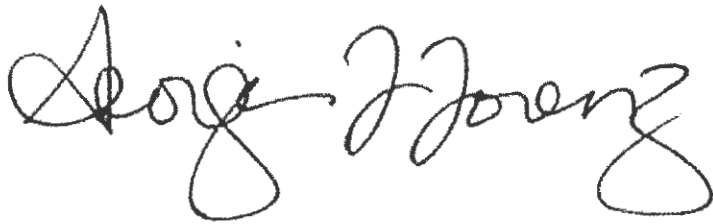
Name and Title of Authorized Representative: Georgia L. Lorenz, Ph.D., President

Representative Signature: *Richard L. Collins* for Georgia L. Lorenz

Signature Date: 10/24/18

Signature Authority

I, Georgia L. Lorenz, delegate signature authority to Richard L. Collins between October 22 and October 26, 2018.

A handwritten signature in black ink, reading "Georgia Lorenz". The signature is written in a cursive style with large, flowing loops.

Georgia L. Lorenz, President

Date: October 22, 2018

1. Program Requirements

A. Provide the title and a detailed description of the proposed workforce training.

Title: Seminole State College Domestic Terrorism Simulation and Training Center

Description: Extensive research in the area of criminal justice has revealed a critical shortage of individuals in law enforcement who are well-prepared in understanding how to most effectively deal with a broad array of potential situations, including not just the more “everyday” public safety challenges such as responding to domestic disputes and traffic violations, but also the ever-increasing demands for more strategic crowd control and the life-and-death challenges of responding to dangerous large scale attacks on innocent citizens. While criminal justice academies are effective at delivering basic recruit training, Seminole State College has analyzed data and law enforcement feedback, uncovering the time critical need for new, more effective approaches to train incoming and experienced officers and deputies so that they are prepared to perform homeland security duties that require higher-level skills. Trainees will also strengthen their firearms skills outside of simulation by accessing the gun range at the Geneva Center. Both incoming and experienced officers and deputies receiving domestic terrorism simulation and training will be able to apply their strengths and weaknesses identified during simulation training from the indoor to the outdoor range giving them the ability to recognize the improvement firearms skills.

B. Describe how the proposal supports programs at state colleges or state technical centers.

The long-range goal of this project is to develop a new and innovative state-of-the-art high-tech simulation and training center designed to increase the capacity of Seminole State College to offer specialized college-credit training that will better prepare police officers and sheriff's deputies for active shooter emergencies and acts of domestic terrorism. Through investment in infrastructure and future exploration of curriculum/program replication and partnership with the 39 other state colleges/state technical centers/agencies that are home to Florida Department of Law Enforcement criminal justice training centers, the impact of the new Seminole State Domestic Terrorism Simulation and Training Center and the firing range lead maintenance improvements to our Geneva Center Gun Range will grow exponentially after it is established with grant support, serving as a model for providing higher level education options that lead completers to career opportunities and job advancement at local, state, and federal law enforcement agencies in Florida. After these statewide collaborations are in place, the next phase of revenue-generating enrollment growth will occur as the Center is eventually promoted to other law enforcement training programs throughout the nation.

Project objectives include:

1. To develop and offer a new nine credit hour/three course Advanced Technology Certificate (ATC) designed to use an innovative combination of classroom instruction and simulation technology to specifically prepare students for active shooter and domestic terrorism situations.
2. To provide state mandated training requirements associated with the Marjory Stoneman Douglas High School Public Safety Act to meet the simulation training needs for school resource officers, safe-school officers and school guardians.
3. Provide future and existing officers and deputies with the opportunity to train in simulation with real life experiences in a controlled simulated environment to aid in decreasing the liability officers face in making split second decisions.

The new ATC is intentionally designed to be heavy in terms of technology-based content and instructional methodology, and will be promoted as not only as an opportunity to develop important knowledge and skills, but also as a stepping stone that opens career advancement and higher-level academic doors for academy graduates who wish to continue college-level studies at state colleges in Florida that offer the AS degree in Criminal Justice Technology and/or the AA general education degree that articulates with BS degrees in fields related to law enforcement.

C. Describe how the proposal provides participants transferable, sustainable workforce skills applicable to more than a single employer.

In the aftermath of the tragic shooting that took place on the grounds of the Marjory Stoneman Douglas High School campus in Parkland, Florida earlier this year where 17 students and teachers were killed, Governor Scott signed the Marjory Stoneman Douglas High School Public Safety Act (SB 7062) not long after this horrific incident. The Office of Safe Schools was established and made provision and required safe-school officers at each school in the state. School Resource Officers, Safe-School Officers and School Guardians meet the qualifications mandated by SB7062. For the 2018-2019 academic year, approximately 3,800 safe-school officers were needed for the public schools across the state. All are required to meet specific standards based on the Criminal Justice Standards and Training Commission's Law Enforcement Academy training model. More specifically eight hours of discretionary shooting instruction using state-of-the-art simulator exercises; eight hours of instruction in active shooter or assailant scenarios; and eight hours of instruction in defensive tactics are all required and can be met with the establishment of SSC's Domestic Terrorism Simulation and Training Center.

The proposed concept is responsive to a variety of government and community needs involving multiple employers. In terms of employment needs, recent reports from the Florida Department of Economic Opportunity Labor Market Statistics Center indicate that job growth of 11.9% between 2017 and 2025 for Police and Sheriff's Patrol Officers and Detectives and Criminal Investigators in Workforce Region 12 (Seminole, Orange, Osceola, Lake and Sumter counties) and in Seminole County alone, will be 12.7% and 13.3%, and 12.0% and 12.0%, respectively.

However, more important than simply the quantity of jobs available, is the quality of training and degree of knowledge possessed by those who fill these positions. Law enforcement agencies seek to hire the best applicants in order to provide the highest quality service to best address the public safety needs of the communities they serve. To be most competitive for future vacancies and career advancement, individuals need to complete the highest quality training. Recent media reports have highlighted the need for improved law enforcement training - communities in Florida and across the nation deserve a workforce that is fully prepared to protect and serve us all.

Police departments across the country are starting to wonder whether the training techniques and assumptions that have guided them for decades are inadequate and flawed, and whether modern tools and technology might improve matters. An assessment is long overdue....Intriguing and increasingly affordable new methods, some of them taking advantage of rapid advances in virtual reality technology, are leading some [police] departments to examine alternatives that may improve performance and

preparation for rookie officers and veterans alike. --July 29, 2016, editorial in *The Washington Post*

The new ATC program to be developed under this project fills a current gap, designed to serve as the first opportunity for academy graduates to get a taste of earning college credit while learning valuable advanced job skills. ATC completers will earn nine credits that are transferable to higher level degree programs; coupled with the 22 credits that Seminole State offers as transfer credits for academy graduates who pursue the AS degree in Criminal Justice Technology, students who elect to move forward with their education will have a significant jump start on their associate degree. Completion of the ATC will be particularly relatable to the current Homeland Security specialization/courses in Seminole State's AS degree in Criminal Justice Technology.

D. Does this proposal support a program that is offered to the public?

Yes

E. Describe how the proposal is based on criteria established by the state colleges and state technical centers.

All students will build upon what they learned while completing their academy training at a state college/state technical center; this training is prescriptive to the Florida Department of Education curriculum framework that follows the uniform minimum standards established by the Criminal Justice Standards & Training Commission.

The preliminary plan for three new ATC courses include the following projected course titles and content:

- The Science and Technology of Criminal Justice - Classroom instruction combined with lab-based experiences where students will watch demonstrations and engage in hands-on activities, increasing their understanding of the science and technology behind common job-related duties. Topics: biometrics, digital evidence, computer forensics, surveillance (e.g. drones), geographic information systems (GIS).
- Effective Strategies for Pursuing an Active Shooter - Classroom instruction combined with lab-based experiences that utilize SSC's new two-tier simulation training approach, increasing student skill development and preparation for emergency situations by better understanding best practices for dealing with active shooter situations. The US Department of Homeland Security defines an active shooter as an individual actively engaged in killing or attempting to kill people in a confined and populated area.
- Effective Strategies for Dealing with an Act of Domestic Terrorism - Classroom instruction combined with lab-based experiences that utilize SSC's new two-tier simulation training approach, increasing student skill development and preparation for emergency situations by better understanding best practices for dealing with the acts of domestic terrorism, while they are happening, as well as during the aftermath. 18 U.S. Code § 2331 defines domestic terrorism as activities that: (a) involve acts dangerous to human life that are a violation of the criminal laws of the United States or of any State; (b) appear to be intended— (i) to intimidate or coerce a civilian population; (ii) to influence the policy of a government by intimidation or coercion; or (iii) to affect the conduct of a government by mass destruction, assassination, or kidnapping; and (c) occur primarily within the territorial jurisdiction of the United States.

Seminole State's proposed two-tier simulation training approach involves: (1) simunition scenarios; and (2) virtual reality scenarios. Simunitions will be used in the grant-funded new stand-alone shoot house (as opposed to live ammunition used on the shooting range) in interior scenarios designed to provide students with additional practice dealing with high intensity situations. The facility will provide a 360°, live-fire, ballistically safe, shoot house designed for teaching and learning close quarter skills, such as room clearing and hallway navigation, with realism and safety. By combining realistic walls, doors, rooms, and hallways into custom configurations, students will train in a realistic training environment that is critical to developing the confidence and conditioned responses needed for survival. With armored steel walls, every round fired is contained and safety is paramount in the shoot house's construction and design.

For virtual reality, Seminole State has negotiated with Motion Reality, Inc., developers of the world's most accurate, real-time human motion capture and simulation technologies for the military, law enforcement, entertainment, and sports markets, to purchase a discounted version of Dauntless, a virtual immersive training simulation rated very highly by over 300 NYPD counter terrorism officers and used for FBI and international training. Dauntless technology provides for extensive performance assessment, with the ability to conduct an action review immediately after completion of the scenario, including not only the number of hits, but details such as joint and head positions. It also permits the student and instructor to view the exercise from the perspective of the target. Motion Reality's environments are the virtual worlds from which an endless variety of scenarios can be created. The environments range from small to large; a single building or point of entry to a full residential neighborhood. The "worlds" are the base in which all the information necessary to build a scenario is held. The environment is the empty "Sandbox" to which all other items – waypoints, rally points, props – are added, in order to develop a scenario. The full system includes full-body sensors for participants, visors, virtual weapons, intelligent cameras, muscle stimulation equipment, a server and routers, and drag-and-drop scenario creator. This virtual reality system will be installed in the renovated existing criminal justice lab space located in the Center for Public Safety building on Seminole State's main campus in Sanford/Lake Mary.

Grant funds will also be used to purchase a blackout drape/pipe system that can easily be installed in a wide variety of available interior spaces to offer temporary scenario training options as well, offered in rotation with the two-tier training approach. Additionally, grant funds will be used for the firing range lead maintenance at the existing Geneva Center to improve the quality of training in the exterior setting allowing the new and existing officers and deputies participating in simulation training to test their skills and for training associated with our existing educational programs.

Existing state-approved curriculum frameworks for two related programs offer student performance/outcome standards that will be considered during the ATC curriculum development process. These frameworks suggest coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers. Existing programs and applicable content standards include:

- *AS Degree: Computer-Related Crime Investigation* - Describe the methods used by individuals to commit computer-related crimes; Define electronic evidence; Explore software tools used to retrieve hidden and deleted electronic data from computers and storage media; Explore the features of investigative software applications; Explain the importance of collecting electronic evidence.

- *AS Degree: Crime Scene Technology* - Demonstrate knowledge of specialized equipment used in crime scene labs; Demonstrate knowledge of the capabilities of a full-service crime lab; Demonstrate knowledge of the testing of biological evidence; Demonstrate knowledge of the collection methods of biological evidence.

In addition, development and pilot testing of the new ATC curriculum will dovetail with and has been informed by research that Seminole State has already completed regarding the latest national models for instructional technologies and content. Technology-heavy research models at the heart of the new ATC program include:

- National Center for Biomedical Research and Training at Louisiana State University - Offers courses certified by the US Department of Homeland Security National Training Program. Virtual reality simulation equipment comparable to that utilized in this program will be purchased using grant funds, allowing Seminole State to become a regional training hub for incorporating state-of-the-art training technology into criminal justice training programs in demand.
- The President's Task Force on 21st Century Policing - Embracing technology and emphasizing the importance of high quality and effective training and education through partnerships with local and national training facilities.
- US Department of Justice, Office of Justice Programs - Encourages development of new technologies for combating criminal activity, such as GPS and advanced communication systems. "In an increasingly high-tech world, more and more crimes involve technologies and police must be prepared for them."
- The Federal Bureau of Investigation Information Technology Branch - Recognizes that every FBI employee relies heavily on IT to successfully execute its mission, supporting basic administrative functions, law enforcement activities, intelligence gathering, and counterterrorism.

F. Does this proposal support a program that will not exclude unemployed or underemployed individuals?

Yes

G. Describe how this proposal will promote economic opportunity by enhancing workforce training. Please include the number of jobs anticipated to be created from the proposed training. Further, please include the economic impact on the community, region, or state and the associated metrics used to measure the success of the proposed training.

This project will have a significant impact on economic opportunity and workforce training. This project will be available to augment the training of new police officers and deputies from around the state and over 3,800 safe-school officers associated with Governor Scott's SB7062 enacted in 2018. Aside from those being trained, approximately 10 individuals are projected to be supported by grant activities: the Personnel portion of the grant budget includes new and supplemental criminal justice faculty and administrative responsibilities that involve overseeing design and development of the new ATC program, curriculum development for the three ATC courses (including the modification and creation of virtual reality scenarios), pilot testing of new courses, and negotiation of expanded articulation agreements; in addition, public safety subject matter experts, instructional design consultants, and students from Seminole State's Information Technology workforce training certificate/degree programs will collaborate with the criminal justice faculty in the development of curriculum modules and new virtual reality scenarios to supplement and enhance purchased training resources. Once training delivery begins,

Seminole State projects that an average of 25 students will complete ATC training in the first full initial year (gradually increasing as other in-state and out-of-state training programs utilize the Center in future years), and conservatively, enrollment in Seminole State's college-credit AS degree in criminal justice will increase 3 percent annually.

2. Additional Information

A. Is this an expansion of an existing training program?

Yes

If yes, please provide an explanation for how the funds from this grant will be used to enhance the existing program.

Project activities will enhance the existing law enforcement training academy and the AS in Criminal Justice Technology by addressing three significant existing gaps: (1) the career pathway needs to better facilitate student transition into higher level studies; (2) the curriculum content needs to contain an appropriate balance between a broad foundation in criminal justice studies and technology applications; and (3) the instructional methodology used by faculty needs to incorporate increased use of advanced technologies. Grant-supported activities will focus on increasing Seminole State's capacity to support student success through curriculum development and pilot testing, including the enhancement of existing courses through the infusion of new science and technology-driven content modules, and the development and pilot testing of a new college credit Advanced Technology Certificate that focuses on in-depth training in science and technology aspects of criminal justice, and the use of advanced technology to strengthen training in active shooter and domestic terrorism situations, which will serve as a new bridge between academy training and the AS degree.

Establishment of the Seminole State Domestic Terrorism Simulation and Training Center will also put an infrastructure in place to serve as an ideal site where, in partnership with law enforcement agencies and with regional simulation and training research centers and businesses, technology advancements in Homeland Security can be researched and pilot tested, expanding the value of Seminole State's existing training programs far beyond their current purpose of preparing individuals for employment. The Modeling, Simulation, and Training industry in the Florida High-Tech Corridor is a \$5 billion industry with a workforce of 30,000, and Central Florida is home to the National Center for Simulation. While the primary targeted workforce for this project is law enforcement, the Center's focus on simulation training also provides opportunities to train the simulation workforce as part of this regional hub. As an initial step in this direction, during the grant period, IT students who demonstrate an interest and aptitude in modeling and simulation will be invited by faculty to participate in instructional design teams to use advanced technology to develop new scenarios, and to explore the operation and maintenance of the technology-based training systems.

B. Does the proposal align with Florida's Targeted Industries?

Yes

If yes, please indicate the targeted industries with which the proposal aligns.

Homeland Security/Defense – Technology: Simulation and Training

C. Does the proposal align with an occupation on the Statewide Demand Occupations List and/or the Regional Demand Occupations List?

Yes

If yes, please indicate the occupation with which the proposal aligns.

Statewide and WDA Region 12: Police and Sheriff's Patrol Officers (SOC Code 333051, HSHW)

D. Indicate how the training will be delivered (e.g., classroom-based, computer-based, other).

If in-person, identify the location (e.g., city, campus, etc.) where the training will be available.

If computer-based, identify the targeted locations (e.g., city, county, statewide) where the training will be available.

The new ATC will be offered as a classroom-based program, with extensive lab-based learning. Simulation training in the shoot house will be conducted on Seminole State's center in Geneva, Florida, utilizing the new shoot house that will be established there; an instructional building is also already located at the Geneva Center for classroom-based instruction. Also located at the Geneva Center is a gun range for additional firearms training. Virtual reality scenarios training will be offered at the modified criminal justice lab located on Seminole State's main campus in Sanford/Lake Mary, in the Center for Public Safety training building. This building also contains numerous classrooms for instruction.

E. Indicate the number of anticipated enrolled students and completers.

All Seminole State students who are enrolled in criminal justice-related courses will be impacted to varying degrees by the curriculum development and infrastructure improvements supported by this project. Seminole State serves approximately 200 students per year (42% minority) in the Academy, and approximately 80% of completers obtain employment. The pass rate on the state exam is 85%, compared to the state average of 80%. The AS in Criminal Justice Technology has approximately 325 declared majors (53% minority), but the unduplicated headcount is double that number due to many students being enrolled in courses, but not being majors. Seminole State currently enrolls approximately 150-200 officers in continuing education programs each year. In the initial year after the new simulation-based training is available, Seminole State projects 30 enrollments and 25 completers in the new ATC program. Because the three ATC courses will be designed to be offered in sequence, students will be expected to enroll in three consecutive academic terms (Summer-Fall-Spring), however increasing demand is expected to result in beginning a new cohort of students each term once the program begins.

F. Indicate the length of program (e.g., quarters, semesters, weeks, etc.), including anticipated beginning and ending dates.

Begin Date: 05/01/19

End Date: 04/30/20

Initial participants seeking to complete the ATC program will take one course per semester beginning May 2019; completion is anticipated to be 4/30/2020. Intensive multi-week programs will be developed for purposes of training and meeting state-mandated active shooter and domestic terrorism requirements associated with the Marjory Stoneman Douglas High School Public Safety Act (SB 7062).

G. Describe the plan to support the sustainability of the proposal.

This project is carefully designed to increase capacity and result in self-sufficiency in maintaining the practices and improvements developed through this project. Seminole State has extensive experience managing several revenue sources to support criminal justice programming: The Center for Public Safety receives \$72,000/year from the Florida Department of Law Enforcement to offer FDLE re-certification training tuition-free to local officers, local

agencies pay for periodic professional development training opportunities, and individual students enrolled in criminal justice programs pay tuition and fees to attend those programs. In terms of future revenue to sustain programming, the shoot house and the virtual reality lab will be made available for a fee to criminal justice training programs both inside and outside the state, increased enrollment in the AS degree in Criminal Justice Technology will translate into increased tuition revenue, and a proposed minimal increase in training fees charged to law enforcement to incorporate the new two-tier simulation exercises is not expected to meet resistance.

Because all new courses and trainings will be approved by the Seminole State curriculum committee, the new ATC will be submitted for state approval, and new curriculum modules will be designed to dovetail with existing common course alignment, all curriculum adjustments will be sustainable.

The sustainability plan also includes future expansion into other applicable programs within Seminole State. After the grant ends, Seminole State will utilize its increased capacity in the law enforcement program to facilitate faculty development of new interdisciplinary learning simulation activities in partnership with the College's other Public Safety programs (Fire Science and Emergency Medical Services). Efforts will identify shared curriculum content and technology/simulation facility uses that will provide students with training that better prepares them for the challenges of coordinating performance of duties involving multiple first responders.

H. Identify any certifications, degrees, etc. that will result from the completion of the program. Please include the Classification of Instructional Programs (CIP) code if applicable.

Completion of the new ATC program will result in the awarding of an Advanced Technical Certificate (CIP 43.0107).

I. Does this project have a local match amount?

Yes

If yes, please describe the entity providing the match and the amount.

Seminole State College has committed to providing the land upon which the new shoot house will be built upon the awarding of this grant. The site is located at Seminole State's Geneva Center, which is home to Seminole County's only fully operational Public Safety Training Complex and Driving Track. A total of 168.49 acres in size, the property appraisers' valuation of the land is \$6,900 per acre based on the most recent assessment of land value, and the projected allocation of land to accommodate the size of the slab that will be needed for the shoot house (2,500 square feet) is approximately ½ acre (\$3,450). This land also includes a firing range, and a 4,950 square foot classroom building that includes two classrooms, three offices, and storage space.

In addition, the company that sells the Dauntless virtual reality system to be installed at the new shoot house has agreed to provide Seminole State with a 15 percent discount on the cost of the system, which is valued at \$81,750.

J. Provide any additional information or attachments to be considered for the proposal.

Please see attached letters of commitment from selected local law enforcement agencies, representing broad community and industry support for this project.

3. Program Budget

Estimated Costs and Sources of Funding: Include all applicable workforce training costs and other funding sources available to support the proposal.

A. Workforce Training Project Costs:

| | |
|--------------------|-----------|
| Equipment | \$876,313 |
| Personnel | \$95,266 |
| Facilities | \$509,450 |
| Tuition | \$0 |
| Training Materials | \$52,380 |
| Other | \$72,081 |

Please Specify: Public safety and instructional design consultant experts to support development of curriculum modules for new advanced training certificate. (\$20,000); IT student stipends to work as a team to support development of curriculum modules and new virtual reality scenarios for new advanced training certificate, and to be involved in operation and maintenance of the system (\$5,000); Local mileage for PI and Co-PI project-related travel for outreach, networking, dissemination, meetings (at different campuses, at law enforcement agencies), etc. (\$1,602); Indirect costs (overhead) at USDHHS negotiated predetermined rate of 26.1% of total direct costs (less buildings, equipment, renovations, student tuition and support, and the portion of subawards exceeding \$25,000), effective 07/01/15-06/30/19 (\$45,479)

Total Project Costs \$1,605,490

B. Other Workforce Training Project Funding Sources:

| | |
|----------------------|----------|
| City/County | \$0 |
| Private Sources | \$81,750 |
| Other (grants, etc.) | \$3,450 |

Please Specify: Value of land to be used for shoot house

Total Other Funding \$85,200

Total Amount Requested \$1,520,290

C. Provide a detailed budget narrative, including the timing and steps necessary to obtain the funding, how equipment purchases will be associated with the training program, if applicable, and any other pertinent budget-related information

GRANT REQUEST: \$1,520,290

EQUIPMENT – all to support creation of the previously described new two-tier training system \$486,413 - Virtual reality system for advanced VR simulation training (vendor: Motion Reality) - state-of-the-art system for a 1,200 square foot space - includes truss, cameras, software, monitors, gear (wearable computers), 11 environments, delivery, installation, licensing, training (negotiated vendor discount)

\$381,000 - Shoot house (vendor: Action Target MATCH - Modular Armored Tactical Combat House) - 2,500 square feet, with configuration options

\$8,900 - Blackout drapes and pipe system set (vendor: UTM)

PERSONNEL AND FRINGES

\$19,840 – Principal Investigator (PI) - Dillard - day-to-day performance oversight - 196-day standard faculty contract - equivalent to 3 3-contact-hour releases (6 hours/week x 15 weeks/term = 90 hours x 3 releases = 270 hours x 2 terms (Spring, Summer A) = 540 hours/year x \$36.74/hour) - may be applied as overload instead.

\$2,412 - Co-PI - Lee - administrative oversight and support, negotiate partnerships with other state training programs plus specifics for criminal justice focus in articulation agreement with Columbia College (preferred choice of public safety agencies) - \$402 monthly supplement x 6 months (Jan-June 2018)

\$5,040 - 2 faculty releases - may be applied as overload or used to pay adjuncts instead - \$28 per contact hour (2 terms - Spring, Summer, 45 hours per term for curriculum development - to develop new advanced certificate, including virtual reality scenario design and assessment)

\$6,300 - 2 faculty releases - may be applied as overload or used to pay adjuncts instead - \$35 per contact hour (2 terms (Spring, Summer), 45 hours per term for pilot testing new and updated instruction)

\$40,000 - 1 FT Student/Agency Relations Coach (TBH) - non-bargaining unit entry level exempt classification - to serve as dedicated primary case management-style contact for potential and existing participants, perform intrusive advising, encourage transfer, coordinate student events, coordinate with public safety agencies and Career Center for job preparation activities for participants

\$21,674 – Fringe Benefits – FICA 6.2%, FICA Medicare 1.45%, Retirement 7.92%, Health insurance \$770/month x 1 FTE, Workers Compensation 1.22%, Life insurance 0.19%.

FACILITIES

\$63,750 - Center for Public Safety lab space renovation (electrical, storage expansion) - \$50/square foot (1,275 square feet)

\$312,500 - Geneva ground preparation and concrete slab to be the base of the shoot house (includes electrical, etc.) - \$125/square foot (2,500 square feet)

\$6,000 – Develop maintenance plan, mobilization, demobilization, site set-up and land preparation (Vendor: MT2)

\$35,000 – Lead Maintenance: evacuation, lead recovery, lead recycling, replacement of screened soil to berms, and berm reconstruction (400 CY)

\$7,000 – ECOBOND treatment of soils (400 CY)

TRAINING MATERIALS

\$24,000 - Simunition for updated non-VR simulation learning experiences \$1000 x 24 pistols (vendor: UTM 9mm 50 rounds @ \$30)

\$2,880 - Replacement pistol barrels to accommodate simunition option in existing training pistols - \$480 x 6 pistols

\$1,500 - Secure storage cabinets for equipment/supplies in renovated training lab \$500 x 3

\$6,000 - Additional simulation pistols to accommodate back-to-back rotational use of simulation lab (2nd group preps in classroom adjacent to lab used as staging area while 1st group completes simulation exercise) \$1,000 x 6 pistols

\$10,000 - Scenario environments - e.g., furniture, plants

\$5,000 - Computer/peripherals and office furniture for 1 new FTE

\$3,000 - Purchased and printed materials for student outreach, information dissemination, evaluation and reporting

OTHER

\$20,000 - Consultants - public safety and instructional design experts to support development of curriculum modules for new advanced training certificate. Subject matter experts will contribute to both the curriculum development process, as well as delivery of instructional pilot tests, sharing knowledge and expertise not currently possessed by faculty. It is imperative that input from industry experts be factored into the curriculum development process in order to meet the current and evolving needs of our community. Representatives from local law enforcement have committed to participate (see attached letters of commitment). (rate will be compliant with state and institutional procurement policies, and # days will vary depending upon need)

\$5,000 - IT student stipends to work as a team to support development of curriculum modules and new virtual reality scenarios for new advanced training certificate, and to be involved in operation and maintenance of the system. 5 students x \$1,000

\$1,602 - Local mileage for SSC PI and Co-PI project-related travel for outreach, networking, dissemination, meetings (at different campuses, at law enforcement agencies), etc. - Reimbursed at state rate of \$0.445 per mile x projected average 200 miles per month x 9 months x 2 individuals

\$45,479 - Indirect Costs - 26.1% of total direct costs, less buildings, individual items of equipment, alterations and renovations, student tuition and support costs, portion of subcontracts and subawards exceeding \$25,000 - USDHHS negotiated predetermined rate effective 07/01/15-06/30/19

TIMETABLE – (projected grant period: November 1, 2018-April 30, 2020)

Quarter 1:

Prepare land at Geneva for shoot house

Completion of Firing Range Lead Maintenance

Renovate existing instructional lab space at Center for Public Safety

Begin ATC curriculum development

Quarter 2:

Install shoot house

Install virtual reality system
Complete ATC curriculum development
Train faculty in new curriculum and technology
Recruit students for new ATC program
Develop program information dissemination plan

Quarter 3:

Disseminate program information
Begin to offer ATC training program
Begin instructional design teams to add scenarios

4. Approvals and Authority

A. If entity is awarded grant funds based on this proposal, what approvals must be obtained before it can execute a grant agreement with the Florida Department of Economic Opportunity (e.g., approval of a board, commission or council)?

If this grant is funded, Board of Trustees approval to enter into a grant agreement has already been scheduled for the November 2018 board meeting.

B. If approval of a board, commission, council or other group is needed prior to execution of an agreement between the entity and the Florida Department of Economic Opportunity:

i. Provide the schedule of upcoming meetings for the group for a period of at least six months.

Not applicable

ii. State whether that group can hold special meetings, and if so, upon how many days' notice.

Not applicable

C. Attach evidence that the undersigned has all necessary authority to execute this proposal on behalf of the entity. This evidence may take a variety of forms, including but not limited to: a delegation of authority, citation to relevant laws or codes, policy documents, etc.

[Attach copy of Policy 5.090]

Sheriff Dennis M. Lemma



SHERIFF
SEMINOLE COUNTY

October 30, 2018

Mr. Jim Lee
Dean, Center for Public Safety
Seminole State College of Florida
100 Weldon Boulevard
Sanford, FL 32773

Re: Seminole State College of Florida grant proposal

Dear Mr. Lee:

On behalf of the Seminole County Sheriff's Office, I am pleased to provide this letter in support of Seminole State College of Florida's application to the Florida Department of Economic Opportunity for the Florida Job Growth Grant Fund.

For many years the Seminole County Sheriff's Office has been actively involved with Seminole State in support of the training and hiring of high-quality recruits who obtain employment here at the Sheriff's Office as well as at law enforcement agencies throughout Seminole County. Although this academy training is strong, and graduates are encouraged to take advantage of Seminole State's established articulated pathway into a Criminal Justice Technology Associate in Science degree, not enough basic training graduates are pursuing the higher level training that they need to learn higher level content and technologies designed to prepare them to enter our higher level supervisory and administrative positions, which provide critical strategy and direction during high-risk situations.

In addition, while the academy provides solid basic training, and the AS degree offers a broad foundation in criminal studies, the increasing frequency, and complexity of terrorist attacks and shooting tragedies (such as at Pulse nightclub, just across the county border) have brought to light our need for law enforcement career pathway training that generates graduates at all levels who can demonstrate that they are well prepared to act under the most stressful conditions.


Support for this project will enable Seminole State to strengthen its certificate-AS-BS degree pathway in criminal justice technology. By upgrading existing programs and adding new curriculum that is directly responsive to law enforcement agency input on much-needed technology content and instructional approaches, Seminole State will

increase the knowledge of new and experienced criminal justice professionals, ultimately improving our community's safety and health.

We applaud the efforts and commitment of Seminole State to offer new academy graduates and experienced officers' opportunities through improved technologies and the development of articulated pathways to higher learning levels in preparation for high-risk situations and supervisory and administrative positions.

We are committed to partnering with Seminole State College in support of this project. We strongly encourage your support of this project that benefits the public safety of so many.

Sincerely,



Sheriff Dennis M. Lemma



Longwood Police Department

David P. Dowda
Chief of Police

Committed to Our Community

October 22, 2018

Mr. Jim Lee
Dean, Center for Public Safety
Seminole State College of Florida
100 Weldon Boulevard Sanford, FL 32773

RE: Seminole State College of Florida Grant Proposal

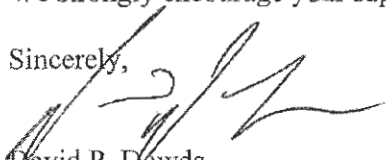
Dear Mr. Lee:

On behalf of the Police Department of the City of Longwood, it is my pleasure to provide this letter of support of Seminole State College of Florida's application to the Florida Department of Economic Opportunity for the Florida Job Growth Grant Fund. Seminole State is a strong community partner of our city and our divisions of public safety and our collaborative efforts focus on improving the quality of life for the residents we serve through education, employment, economic development, and health and safety initiatives.

Funding from this grant project is an opportunity for those in this region and the entire state to advance the skills and support the careers of new hires and experienced officers. Through the addition of state-of-the-art training facility improvements and continuing education opportunities, we increase our ability to demonstrate the knowledge and skills need to apply effective strategies and technologies in the performance of our duties. We applaud the efforts and commitment of Seminole State to offer new academy graduates and experienced officers opportunities through improved technologies and through the development of articulated pathways to a higher learning levels in preparation for high risk situations and supervisory and administrative positions. We are committed to partnering with Seminole State College in support of this project by being an active participant on the project advisory committee, offering input on program content and industry best practices; assisting in the development and delivery of curriculum, including providing instructors and guest speakers; encouraging prospective hires and existing officers to participate in the project; and serve as a prospective employer for qualified program completers.

We strongly encourage your support of this unique and valuable project.

Sincerely,



David P. Dowda
Chief of Police



OVIEDO POLICE DEPARTMENT
400 ALEXANDRIA BLVD • OVIEDO, FLORIDA 32765
WWW.CITYOVOIEDO.NET

October 22, 2018

Mr. Jim Lee
Dean, Center for Public Safety
Seminole State College of Florida
100 Weldon Boulevard
Sanford, FL 32773

RE: Seminole State College of Florida Grant Proposal

Dear Mr. Lee:

On behalf of the Police Department of the City of Oviedo, it is my pleasure to provide this letter of support of Seminole State College of Florida's application to the Florida Department of Economic Opportunity for the Florida Job Growth Grant Fund. Seminole State is a strong community partner of our city and our divisions of Public Safety and our collaborative efforts focus on improving the quality of life for the residents we serve through education, employment, economic development, and health and safety initiatives.

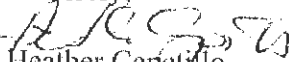
Funding from this grant project is an opportunity for those in this region and the entire state to advance the skills and support the careers of new hires and experienced Officers. Through the addition of state-of-the-art training facility improvements and continuing education opportunities, we increase our ability to demonstrate the knowledge and skills needed to apply effective strategies and technologies in the performance of our duties.

We applaud the efforts and commitment of Seminole State to offer new academy graduates and experienced Officers opportunities through improved technologies and through the development of articulated pathways to a higher learning levels in preparation for high risk situations and supervisory and administrative positions.

We are committed to partnering with Seminole State College in support of this project by being an active participant on the project advisory committee, offering input on program content and industry best practices; assisting in the development and delivery of curriculum including providing instructors and guest speakers; encouraging prospective hires and existing Officers to participate in the project; and serve as a prospective employer for qualified program completers.

We strongly encourage your support of this unique and valuable project.

Sincerely,


Heather Capetillo
Acting Chief of Police



**Sanford Airport
Police
Department**

**Sanford Airport Authority
1200 Red Cleveland Blvd
Sanford, Florida 32773**

**Chief Thomas Fuehrer
(407) 585-4094
tfuehrer@osaa.net**

**Non-Emergency
(407) 585-4101**

**Facsimile
(407) 585-4107**

October 23, 2018

Mr. Jim Lee
Dean, Center for Public Safety
Seminole State College of Florida
100 Weldon Boulevard
Sanford, FL 32773

Re: Seminole State College of Florida grant proposal

Dear Mr. Lee:

On behalf of the Police Department for the Sanford Airport Authority, it is my pleasure to provide this letter in support of Seminole State College of Florida's application to the Florida Department of Economic Opportunity for the Florida Job Growth Grant Fund. Seminole State is a strong community partner of the Sanford Airport Authority and our collaborative efforts focus on improving the quality of life for our residents and employees through education, employment, economic development, and health and safety initiatives.

As the Orlando Sanford International Airport continues to experience record growth, we recognize the need to have well trained public safety professionals available to provide a safe and secure environment for our visitors, employees and residents. Funding from this grant project is an opportunity for those in this region and the entire state to advance the skills and support the careers of both new and experienced officers. Through the addition of state-of-the-art training facility improvements and continuing education opportunities, we increase our ability to demonstrate the knowledge and skills needed to apply effective strategies and technologies in the performance of our duties.

We applaud the efforts and commitment of Seminole State to offer new academy graduates and experienced officers with opportunities through improved technologies and through the development of articulated pathways to a higher learning level in preparation for high risk situations and supervisory and administrative positions.

We are committed to partnering with Seminole State College in support of this project by: being an active participant on the project advisory committee, offering input on program content and industry best practices; assisting in the development and delivery of curriculum, including providing instructors and guest speakers; and serving as a prospective employer for those who successfully complete the qualified program.

We strongly encourage your support of this unique and valuable project.

Sincerely,

Thomas R. Fuehrer
Chief of Police

Safe, Secure and Efficient



August 3, 2017

Mr. Jim Lee
Dean, Center for Public Safety
Seminole State College of Florida
100 Weldon Boulevard
Sanford, FL 32773

Re: Seminole State College of Florida grant proposal

Dear Mr. Lee:

As the Chief of Police for the City of Altamonte Springs, it is my pleasure to provide this letter in support of Seminole State College of Florida's application to the Florida Department of Economic Opportunity for the Florida Job Growth Grant Fund. Seminole State is a strong community partner as one of the campuses is located in the City of Altamonte Springs. Our collaborative efforts focus on improving the quality of life for the residents and visitors of Altamonte Springs through collaboration on a variety of education, employment, economic development, and health and safety initiatives.

Funding from this grant project is an opportunity for us to advance the skills and support the careers of new hires and experienced officers. Through the addition of state-of-the-art training facility improvements and continuing education opportunities, we increase our ability to demonstrate the knowledge and skills needed to apply effective strategies and technologies in the performance of our duties.

We see particular value in efforts to encourage new academy graduates and experienced officers to continue their studies through Seminole State's established articulated pathway into a Criminal Justice Technology Associate in Science degree, as well as articulation to a Bachelor of Science degree. Learning higher level content and technologies will better prepare officers to enter our supervisory and administrative positions, which provide strategic direction, oversight and support during high risk situations.

We are committed to partnering with Seminole State College of Florida in support of this project by: being an active participant on the project advisory committee, offering input on program content and industry best practices; assisting in the development and delivery of curriculum, including providing instructors and guest speakers; and serving as a prospective employer for qualified program completers.

We strongly encourage your support of this unique and valuable project.

Sincerely,


Daniel Smutz
Chief of Police



City of Casselberry

Chief of Police

4195 South U.S. Hwy. 17-92, Casselberry, Florida 32707 • Telephone (407) 262-7616 X 1064
Fax (407) 262-7644 • Email lkrantz@casselberry.org

August 03, 2017

Mr. Jim Lee
Dean, Center for Public Safety
Seminole State College of Florida
100 Weldon Boulevard
Sanford, FL 32773

Re: Seminole State College of Florida grant proposal

Dear Mr. Lee,

As the Chief of Police for the City of Casselberry, it is my pleasure to provide this letter in support of Seminole State College of Florida's application to the Florida Department of Economic Opportunity for the Florida Job Growth Grant Fund. Seminole State is a strong community partner that is visible in all areas of Seminole County. Collaboratively, our efforts focus on maintaining the quality of life for the residents of Casselberry through education, employment, economic development, and health and safety initiatives.

The City of Casselberry is transforming as the number of businesses and residents continue to increase and this growth makes maintaining and improving the city's public safety an even greater priority. We recognize there is a need to increase our public safety presence to maintain the comfort of feeling safe in our community as well as maintaining the relationship between the Casselberry Police Department and the community by reaching out and working more closely with local churches, community groups, and businesses, and governmental agencies. Funding from this grant project is an opportunity for us to advance and support new hires and experienced officers in their ability to demonstrate the knowledge and skills needed to apply effective strategies and technologies in the performance of our duties.

We see particular value in efforts to encourage new academy graduates and experienced officers to continue their studies through Seminole State's established articulated pathway into a Criminal Justice Technology Associate in Science degree, as well as articulation to a Bachelor of Science degree. Learning higher level content and technologies will better prepare them to enter our higher level supervisory and administrative positions, which provide critical strategy and direction, especially during high risk incidents, and other stressful situations.

We are committed to partnering with Seminole in support of this project by: being an active participant on the project advisory committee, offering input on program content and industry best practices; assisting in the development and delivery of curriculum, including providing instructors and guest speakers; and serving as a prospective employer for qualified program completers.

We strongly encourage your support of this unique and valuable project.

Sincerely,



Larry D. Krantz
Chief of Police

LDK/kmp

POLICE DEPARTMENT



Cecil E. Smith
Chief of Police

SANFORD POLICE DEPARTMENT
815 Historic Goldsboro Blvd.
Sanford, Florida 32771

TELEPHONE
407.688.5070

FACSIMILE
407.688.5071

WEBSITE
WWW.SANFORDFL.GOV

CITY COMMISSION

JEFF TRIPLETT
MAYOR

ART WOODRUFF
DISTRICT 1

DR. VELMA H. WILLIAMS
DISTRICT 2

PATRICK AUSTIN
DISTRICT 3

PATTY MAHANY
DISTRICT 4

NORTON N. BONAPARTE, JR.
CITY MANAGER



August 3, 2017

Mr. Jim Lee
Dean, Center for Public Safety
Seminole State College of Florida
100 Weldon Boulevard
Sanford, FL 32773

Re: Seminole State College of Florida Grant Proposal

Dear Mr. Lee:

As the Chief of Police for the City of Sanford, it is my pleasure to provide this letter in support of Seminole State College of Florida's application to the Florida Department of Economic Opportunity for the Florida Job Growth Grant Fund. Located in Sanford, Florida, Seminole State is a strong community partner of the City of Sanford. Our collaboration efforts focus on improving the quality of life for the residents of Sanford through collaboration on a variety of education, employment, economic development, and health and safety initiatives.

In recent years, we have made great progress in transforming the relationship between the Sanford Police Department and the community by reaching out and working more closely with local churches, community groups, and businesses, as well as with governmental agencies. Our efforts have focused on three guiding principles: (1) integrity in how we perform our duties; (2) dedication to our community and providing quality services; and (3) pride in our city, the community, and our department. Funding from this grant project is an opportunity for us to advance and support these principles by increasing the number of new hires and experienced officers able to demonstrate the knowledge and skills we need to apply effective strategies and technologies in the performance of our duties.

We see particular value in efforts to encourage new academy graduates and experienced officers to continue their studies through Seminole State's established articulated pathway into a Criminal Justice Technology Associate in Science Degree, as well as articulation to a Bachelor of Science Degree. Learning higher level content and technologies will better prepare them to enter our higher level supervisory and administrative positions, which provide critical strategy and direction, especially during high risk, stressful situations.

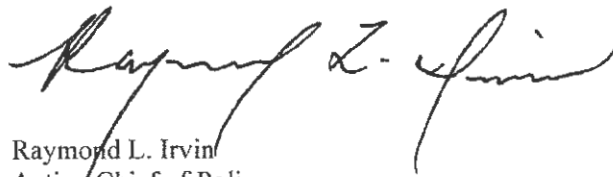
In Partnership With The Community

Letter of Support Florida Grant Proposal
Seminole State College
August 3, 2017
Page 2

We are committed to partnering with Seminole in support of this project by: being an active participant on the project advisory committee, offering input on program content and industry best practices; assisting in the development and delivery of curriculum, including providing instructors and guest speakers; and serving as a prospective employer for qualified program completers.

We strongly encourage your support of this unique and valuable project.

Sincerely,

A handwritten signature in black ink, appearing to read "Raymond L. Irvin". The signature is written in a cursive style with a large, sweeping initial "R".

Raymond L. Irvin
Acting Chief of Police

Contracts and Contract Management (Policy 5.090)

Authority: F.S. 1001.64; 1001.63; 1004.65; 287.017; 287.055; FAC 6A-14.0734

Date Adopted: 3/99, Rev. 12/04, 10/05, 05/09; 05/2013; 08/2014

Date of Review: 05/09; 08/11; 04/13; 08/2014

Policy:

For the purposes of this Policy, the term "contract" shall include any document, agreement, contract or instrument of payment and conveyance. It is the policy of the District Board of Trustees that all contract activity of the College shall be conducted in accordance with Florida Statutes, State Board of Education Rules, Policies of the District Board of Trustees, and any applicable federal, State of Florida or local laws and regulations. The contract activity of the College shall be conducted in accordance with sound business practice in order to promote the orderly and efficient operation of the College.

1. Contracting Party

1. The District Board of Trustees is the contracting agent of the College. All contracts shall be in writing and shall name the District Board of Trustees as the party to the contract.

2. Signature Authority

1. The President is authorized to sign, on behalf of the District Board of Trustees, documents, agreements, contracts and instruments of payment and conveyance pursuant to College policy as specified herein. The President is authorized to delegate this signature authority to promote the orderly and efficient operation of the College.

3. Employment Contracts

1. The District Board of Trustees shall approve the language used in all forms of employment contracts for College personnel.

4. Real Estate Acquisitions

1. The District Board of Trustees shall approve all contracts for the acquisition of real estate.

5. Commodities or Contractual Services

1. The President or a designee of the President may sign contracts and approve or reject bids for the procurement of commodities or non-professional services not exceeding the Category Five threshold as specified in Section 287.017, Florida Statutes (NOTE: \$325,000 in FY 2014.)

6. Professional Services and Construction Contracts

1. The President or a designee of the President may sign contracts and approve or reject bids for the procurement of professional services, as defined in Section 287.055, Florida Statutes, not exceeding the Category Two threshold specified in Section 287.017, Florida Statutes (NOTE: \$35,000 in FY 2014.) Professional services are defined in Section 287.55 as those services performed by architects, professional engineers, landscape architects, or registered surveyors and mappers.
2. The President or a designee of the President may sign contracts and approve or reject bids for construction projects or electrical work not exceeding the threshold amounts of Section 255.20, Florida Statutes (NOTE: \$300,000 for construction projects/\$75,000 for electrical work in FY 2014.)

7. Compliance with Civil Rights Laws

1. It is the policy of the District Board of Trustees to comply with all federal, state and local laws prohibiting discrimination and to assure that no contract is entered into with any party that

discriminates on the basis of race, color, religion, national origin, ethnicity, age, sex, gender, veterans' or military status, disability, sexual orientation, genetic information, marital status or any other factor protected under applicable federal, state, and local laws, rules, and regulations.

8. Minority Business Enterprises

1. It is the policy of the District Board of Trustees to encourage minority participation in the economic life of the community and to encourage the use of minority business enterprises.

9. Contract Review

1. Proposed contracts shall be submitted prior to the commencement date of the contract to the Office of the Executive Vice President/CFO for program, financial and legal review. Contracts shall be approved as to form by the Executive Vice President/CFO before being offered for execution by any party.

10. The President shall cause a procedure to be developed to implement the policy contained herein.



April 19, 2018

Mr. Jim Lee, Dena
Seminole State College
100 Weldon Boulevard
Sanford, FL 32773

LeeJM@SeminoleState.edu

RE: **BUDGETARY PROPOSAL FOR LEAD MAINTENANCE
GENEVA RANGE**

Dear Mr. Lee:

Metals Treatment Technologies, LLC (MT2) is pleased to present this budgetary proposal for lead maintenance at the Seminole State College – Geneva Range located at 2450 Gun Range Road in Geneva, FL 32732. MT2's objectives are to provide firing range lead maintenance services that will support in mitigating potential physical, occupational, and environmental hazards associated with high concentrations of lead in the backstop berms at the range; as well as achieving compliance with OSHA, US EPA, State, and NRA and NSSF recommended firing range environmental Best Management Practices (BMPs).

**MT2 is the Nation's #1 Firing
Range Maintenance/Reclamation
Services Provider**

- MT2 provides the most comprehensive liability protection for range owners in the industry
- Over 2,000 firing range projects nationwide
- Recovery of > 15,000,000 lbs of lead
- Successful treatment of > 10,000,000 tons of lead impacted soils
- Credited > \$5,000,000 to range owners from lead recycling

MT2 has unmatched firing range services credentials and capabilities:

- ✓ **MT2's Liability Defender Compliance & Performance Promise:** Your choice of a lead reclamation contractor could expose your range to US EPA hazardous waste fines up to \$10,000 per day and potential criminal charges. A range owner ALWAYS retains responsibility for ALL lead waste and materials derived from their range even if it is their chosen contractor that improperly handles, transports, or disposes of the lead waste. MT2 has never received a US EPA violation, penalty or fine, and we have never left a project uncompleted. ***Our promise to you:*** MT2 is committed to stand with you and defend your firing range from the liability of lead hazards. ***We offer \$10,000,000 environmental and pollution liability coverage to protect range owners from claims or occurrences of lead hazard violations, penalties and cleanup expenses.***
- ✓ **Lead Removal and Recycling Expertise:** MT2 has performed lead removal and recycling nationwide using a variety of ***proprietary lead separation technologies to remove and recycle over 15,000,000 lbs. of lead.*** To maximize lead recovery, MT2 will use one of our proprietary lead separation systems. Each system utilizes a multi-tiered screening plant to separate lead from soils based on size and one of our proprietary pneumatic separation units (PSU) to "finish" the separation process by separating lead from like-size materials based on density. In addition, MT2 maintains contracts with lead recyclers nationwide to ensure top dollar is returned for lead.
- ✓ **Experienced, Professional Contractor:** ***MT2 is recognized as the nation's leading provider*** of firing range lead removal, remediation and maintenance services. We maintain offices and crews nationwide, and with experienced crews ready to respond to fulfill the needs and schedule for your project. ***MT2 has completed over 2,000 firing range projects nationwide.*** A list of representative projects is provided in Section 4.0 MT2 Experience.



- ✓ **Staff Experience and Expertise:** *Our personnel have on average 24 years industry experience.* This expertise saves time and money for our customers since there will be no learning curve that may be incurred by less experienced firms. MT2 field staff maintain applicable OSHA HAZWOPER certifications.
- ✓ **As the Nation's leading provider of Firing Range Maintenance/Reclamation Services, MT2 is regularly sole-sourced** based on our extensive experience and unique, proprietary lead reclamation and lead treatment technology. MT2 can provide example justifications which has been successfully utilized by other agencies, to contract MT2's services via sole-source in order to expedite remediation activities.
- ✓ MT2 offers a **Guaranteed Solution at a Guaranteed Price** leading to the most cost-effective and technically sound firing range maintenance.

To discuss your project in further detail, please contact me at (888) 435-6645 or email: jbarthel@mt2.com.

Sincerely Yours,

James M. Barthel
President and CEO



3.0 FIRM FIXED PRICE PRICING FOR SERVICES

MT2 has developed the following pricing for lead maintenance services.

| | Lead Firing Range Lead Maintenance Task | QTY | Unit | Price |
|-------------------------------------|--|--------------|----------|-----------------------------------|
| <input checked="" type="checkbox"/> | Upfront Payment: Plans, Mobilization, Demobilization, Site Setup and Preparation | 1 | Lump Sum | \$6,000 |
| <input checked="" type="checkbox"/> | Lead Maintenance: Excavation, Lead Recovery, Lead Recycling, Replacement of Screened Soil to Berms, and Berm Reconstruction | Up to 400 CY | Lump Sum | \$\$30,000 - \$35,000 |
| <input type="checkbox"/> | Optional: Guaranteed ECOBOND® Treatment of Soils | Up to 400 CY | Lump Sum | \$7,000 ^{1/} |
| <input type="checkbox"/> | Optional: Environmental Stewardship Plan | 1 | Lump Sum | \$6,500 ^{1/} |
| <input checked="" type="checkbox"/> | Estimated Lead Recycling Value to Customer | 5-10 tons | \$.60 lb | (\$3,000 - \$6,000) ^{2/} |

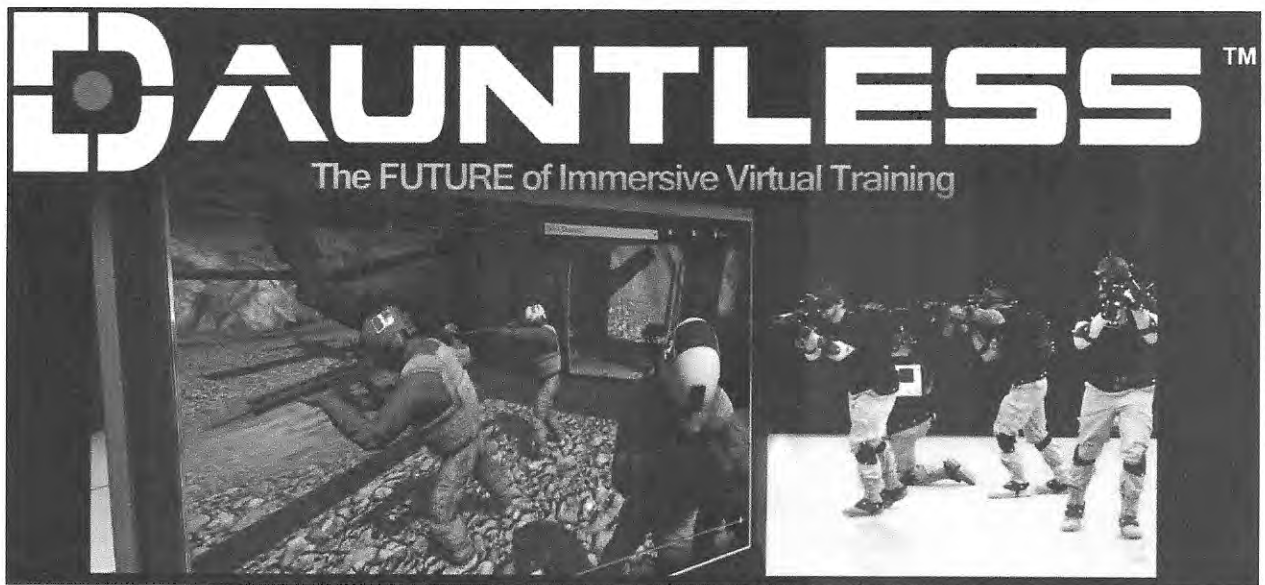
^{1/} Pricing for optional tasks are valid if performed at the time of lead maintenance tasks, no field investigations are included with the ESP preparation

^{2/} MT2 does not guarantee the value or quantity of recycled lead. The actual value of recycled lead will be determined at the time of recycling. MT2 will provide Customer a 50% split of the net proceeds from lead. The Estimated Lead Recycling Credit is based on a reasonable estimate of the amount of recoverable lead and current lead recycle value per pound. The lead credit will be provided as a credit against the Final Project Invoice.





*Example of
Virtual Training
Software*



Prepared By: Motion Reality, Inc.



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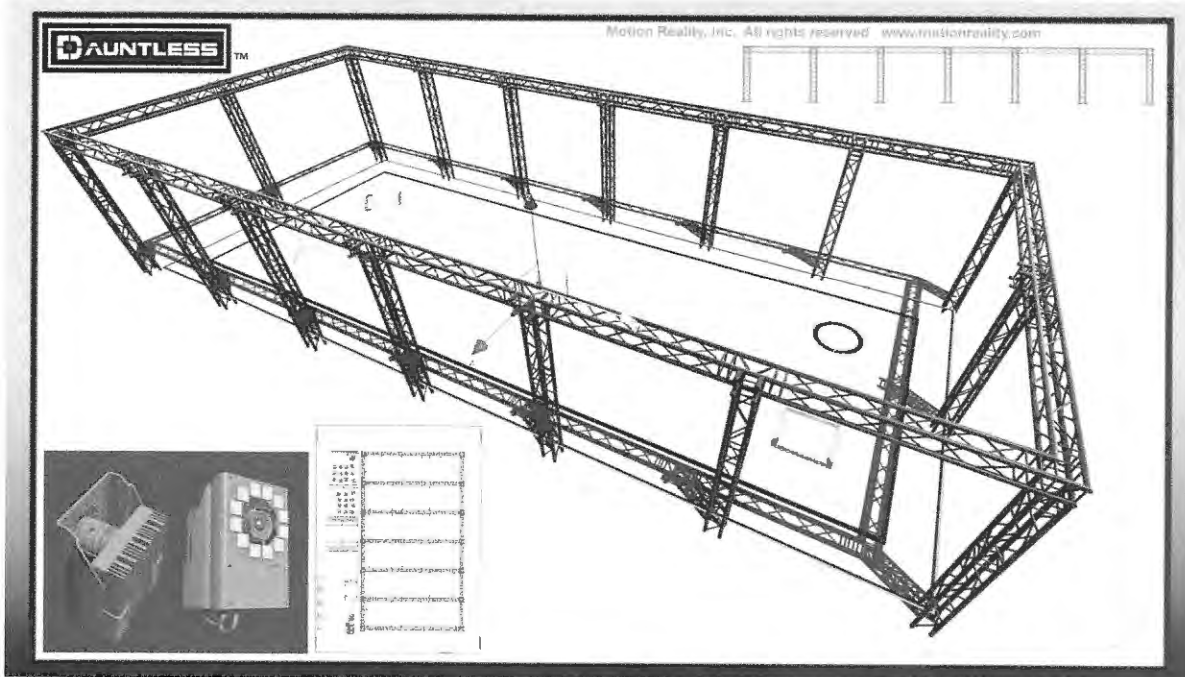
1. DAUNTLESS™ CORE CAPABILITIES

While VIRTSIM™ was an industry leader in technical capability from 2009 until 2014, new advancements in game engines and hardware enabled MRI to significantly enhance its simulator capabilities to dramatically increase the overall realism of the user experience. Notably, MRI transitioned away from an open-source game engine to using a AAA game engine thus providing state-of-the-art video game graphics, more challenging Artificial Intelligence (AI), and real-world lighting and physics effects. Just as importantly, we more than doubled the display size and resolution of the head-mounted display (HMD). The end-result is the most realistic and intense immersive simulation training experience for elite forces.

3.1 DAUNTLESS™ Configurations

DAUNTLESS™ is typically offered as a 5000 ft² volume capable of training twelve (12) trainees simultaneously. However, MRI offers four (4) standard sizes in seven (7) configurations and can also develop custom-sized volumes based on the customer's needs. The standard sizes and configurations are:

- 1200-1 – 1200 ft² for one (1) trainee
- 1200-2 – 1200 ft² for two (2) trainees
- 2400-4 – 2400 ft² for four (4) trainees
- 2400-6 – 2400 ft² for six (6) trainees
- 4000-8 – 4000 ft² for eight (8) trainees
- 5000-10 – 5000 ft² for ten (10) trainees
- 5000-12 – 5000 ft² for twelve (12) trainees





The features, and more importantly, the components listed in this document pertain to the DAUNTLESS™ 5000-12 system.

3.2 DAUNTLESS™ General Capabilities

- Small-unit tactical training for up to twelve (12) trainees simultaneously
- Fully interactive training; every trainee can physically interact with every other trainee
- Completely untethered and unrestricted movement across distances
- Full 360°, six degrees of freedom (vertical and horizontal) immersion in simulation
- Full-body, accurately-scaled representation as an avatar
- Complete accuracy of motion of every trainee
- Muscle stimulation when shot
- Force-on-force training (live team vs. live team)
- Extensive use of live and AI role players

3.3 DAUNTLESS™ Software

- AAA game engine-based high resolution graphics, incorporating sophisticated video game engine capabilities
- Built-in software diagnostics for maximum operational readiness
- Intuitive Graphical User Interfaces designed for international use
- Selectable time-of-day features allowing users to train in scenarios ranging from full daylight to darkness
- Immediately available After Action Review (AAR) of all trainee actions
- Automated training results incorporated in AAR
- Scenarios incorporate complex lighting with particle effects
- Physics-based interaction with specific inanimate objects to enhance realism
- Doors open when virtually touched by a trainee hand or by a timer
- Ability to ascend and descend stairs
- Designed for customer ease of operation and maintenance

3.4 DAUNTLESS™ AI Characters

- Customer ability to modify AI character behaviors
- Upgraded AI character realism
- Combatant AI will seek cover and/or concealment and engage
- AI Combatant can be suppressed by direct fire

3.5 DAUNTLESS™ Improved Weapons and User Equipment

- Improved HMD (DAUNTLESS™ is 720p – 1080p vs VIRTSIM™ at 480p)
- Rifle and pistol with recoil
- Additional weapons available as custom development



- Rifle with the ability to incorporate malfunctions
- Shot counter to force reload when ammunition expended
- New ability to holster pistol

3.6 DAUNTLESS™ Major Graphics Upgrades

- Modern video game graphics
- Real-time shadows
- Adjustable time-of-day for every environment
- Customizable environments can be modeled to specifications of real-world facilities and landscapes
- Flashlights on weapons
- Realistic explosions

2. DAUNTLESS™ ENVIRONMENTS

Motion Reality's environments are the virtual worlds from which an endless variety of scenarios can be created. The environments range from small to large; a single building or point of entry to a full residential neighborhood. The "worlds" are the base in which all the information necessary to build a scenario is held. The environment is the empty "Sandbox" to which all other items – waypoints, rally points, props, AI – are added, in order to develop a scenario.

4.1 Familiarization Environment

This is an environment to provide trainees with a basic familiarization of the system and the environments in which they will be training. The building is comprised of instructional areas for the trainees. This level will answer questions such as:

- How do I activate a door?
- What will an AI respond to?
- How do I acquire a sight picture in the system?
- How do I ascend stairs?
- Can I affect objects in the system?



4.2 Rifle and Pistol Ranges (30 Ranges)

Square Ranges are designed as "Known Distance" target ranges with separate levels for rifle and pistol marksmanship and basic weapons handling drills. The pistol ranges contain isolated shooting pits measuring with 20 shooting stages and 10 open pits. The rifle ranges are 50 x 35 meters complete with over 20 different types of reactive and paper targets.



4.3 Office Complex Building

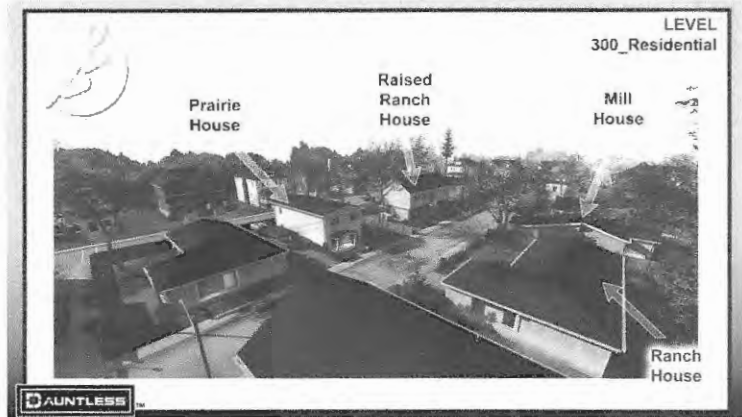
The Office Complex is a four-story business structure measuring 45 x 20 meters. There are front, side, and rear entrances to the building. Roof access doors allow for top-down movement. Each floor contains multiple room, door, and window configurations fitted with office furniture, desks, and cubicles. The first floor has a large conference room, hallways, and a break room. Industrial stairs and enclosed stairways lead to the second and third floors. The second floor has a large joint training room, foyer area, and six

office rooms. The third floor contains a conference room with several large offices and restrooms. The fourth floor is mostly cubicle spacing with two glass offices and an open stairwell leading to the third floor.



4.4 Residential Neighborhood

The Residential Neighborhood represents a modern suburban block with four different house layouts as the focus; Ranch, Prairie, Raised Ranch, and Mill house. The Ranch-model home is single floored with three entries, multiple windows, kitchen, den, garage and four bedrooms. The Mill-model house contains three bedrooms, a kitchen, den, dining room, bath and a fenced in backyard. The Raised Ranch-model house is two stories, with a two-door garage, three entryways, den, kitchen, playroom, three bedrooms, and a rear open deck. The Prairie home is two stories with a kitchen, den, foyer area, three bedrooms, and a second floor wooden deck. It has a rear and front entry. The houses can be approached from the main street, the back street, or alleyways.



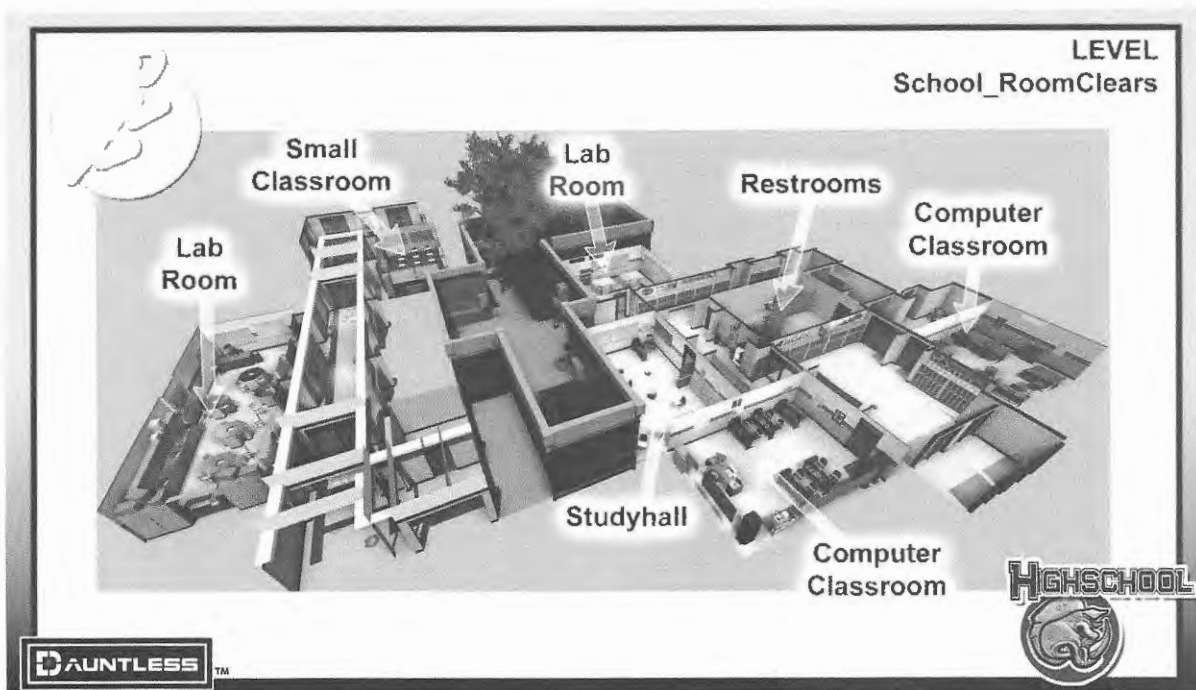
4.5 Restaurant

The Restaurant is a model consistent with common fast-food layouts. The interior action area is 24 x 14 meters with front, rear, and side entrances. There is a dining area with both open tables and booths on the walls. The kitchen space has three different entrances, a drive through window, and separated bathrooms in the hall.



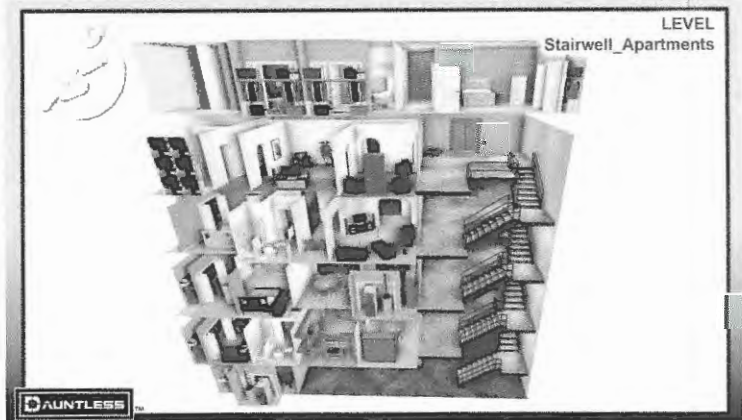
4.6 High School

High School environment represents a typical school setting with a large 33,000 square meter footprint. The school has over 73 rooms, 10 overlook areas, 20 entryways and 15+ elevation changes. Large interest areas are the gymnasium, auditorium, cafeteria, administration area, library, seven-classroom pod, courtyard, band room, guidance counselor office, and nurse's station. There are left and right-fed rooms, center-fed rooms, windows, stairwells, and various hallway configurations. Desks, chairs, banners, and tables create movement impairments to the participants.



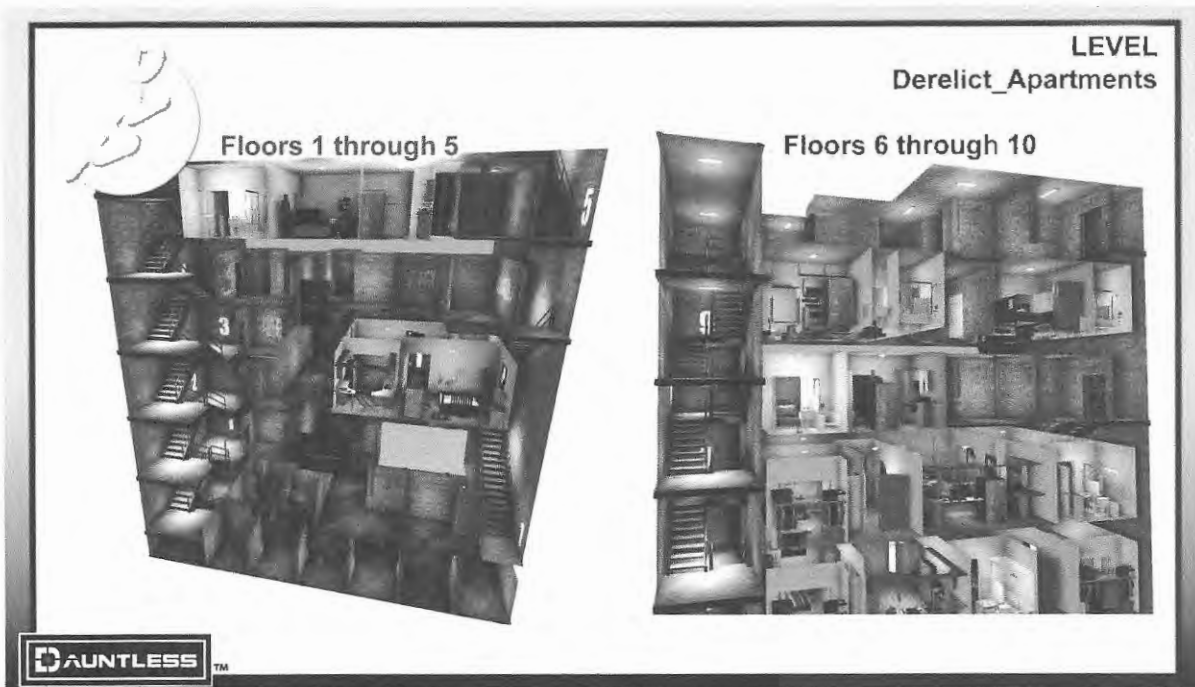
4.7 Stairwell Apartments

Middle income apartment complex. The exterior walls are see-through for viewing, outside of the training volume. The apartments have multiple short halls, baths, and bedrooms to clear, there is little in the way of solid cover. This level was designed for dual fire team simultaneous use, with the ability to start teams on different floors, on the large stairwell islands. This allows teams to bypass each other on the stairs, or provide support, when a team's operational strength is diminished.



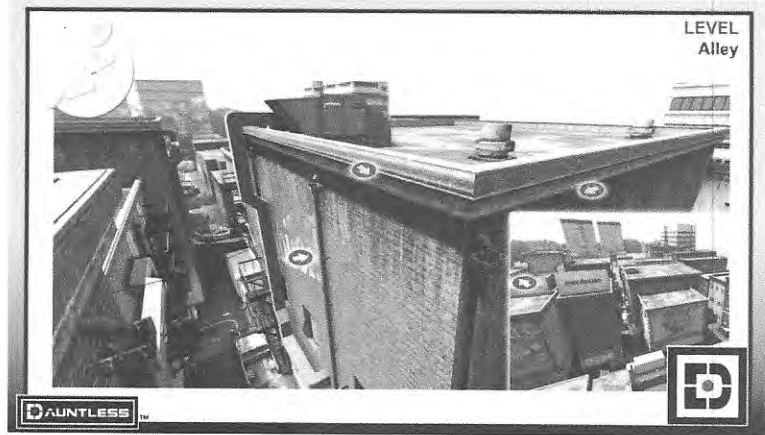
4.8 Derelict Apartments

Low income apartment complex with several floors. The exterior walls are see-through for ease of viewing, outside the training volume. The apartment rooms are confined with clutter and make several angles. The level was built upon a single waypoint, accessing 10 floors with industrial stairs. The intention was to showcase a primary tactical problem, per floor. This would be used in demonstrations, as well as addressing specific tactical problem sessions, with a team. A Force-On-Force scenario could be performed with this level.



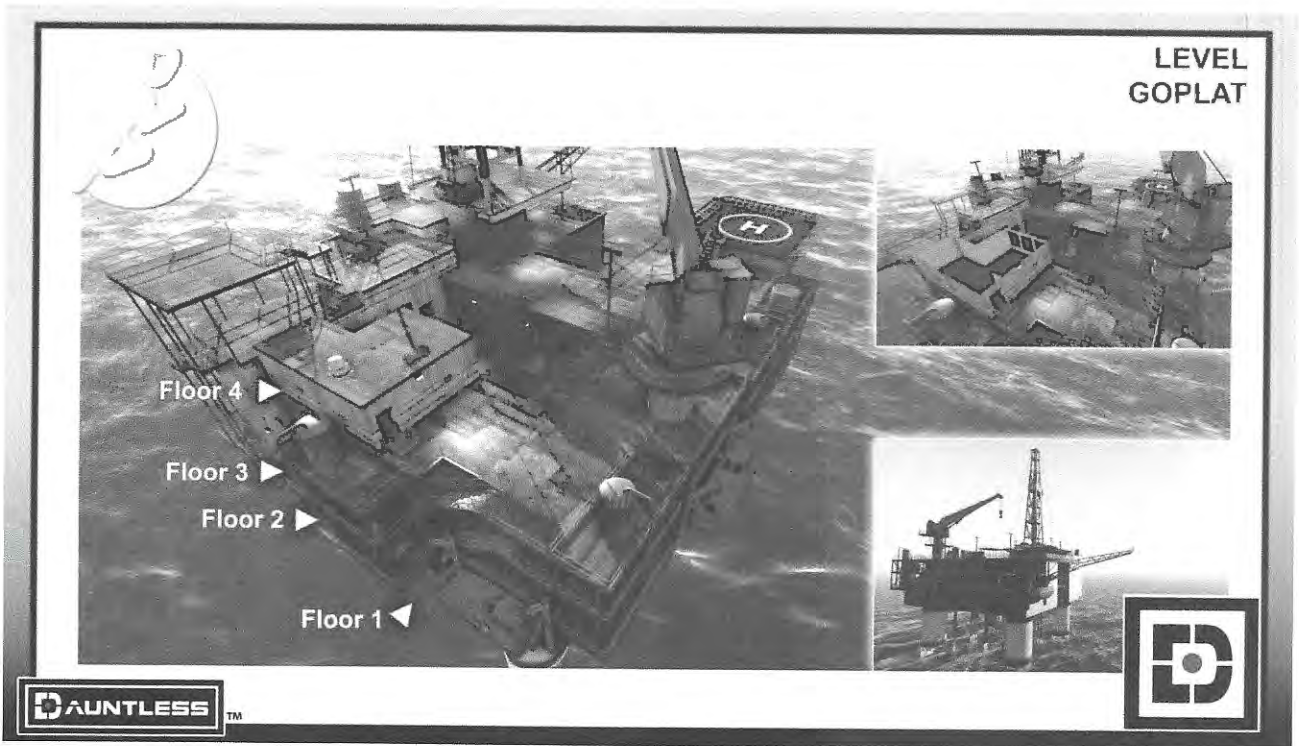
4.9 Alley

The Alley environment contains four routes through a mostly exterior urban environment. Alley paths weave in, out and around buildings, cars, and other common obstructions.



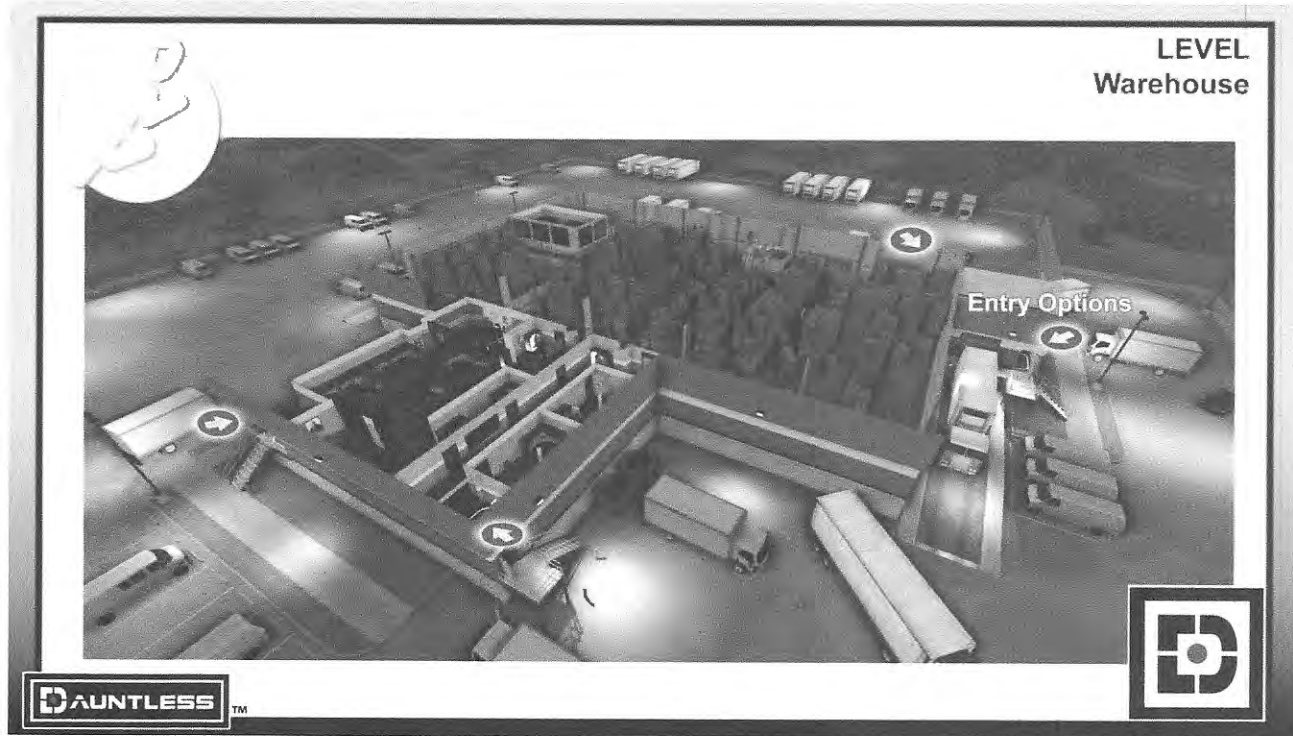
4.10 Gas and Oil Platform

The Gas and Oil Platform (GOPLAT) environment best represents the many angle and elevation problems inherent in navigating a GOPLAT-type structure. Features include helipad deployment, water level ascension, crew quarters, control room, heavy machinery, and wide open vistas.



4.11 Warehouse

The Warehouse level contains four different entry points to a building designed to be a shipping and truck center.





3. DAUNTLESS™ 5000-12 HARDWARE

| DAUNTLESS™ 5000-12 COMPONENTS | | |
|-------------------------------|-------------------------------------|----------|
| # | COMPONENT | QUANTITY |
| 1 | MRI Camera (V-CC-02021254) | 152 |
| 2 | Man-Wearable Computer w/ HMD | 13 |
| 3 | Truss Structure | 1 |
| 4 | Camera Mounting Kit for Main Volume | 152 |
| 5 | MWC Battery | 65 |
| 6 | MWC Battery Charger | 26 |
| 7 | Replica M4 Rifle Recoil (standard) | 13 |
| 8 | Replica M4 Magazine | 39 |
| 9 | Weapons Charger (M-4/M-9) | 26 |
| 10 | Replica Sidearm | 13 |
| 11 | Replica Sidearm Magazine | 39 |
| 12 | Trainee Gear Kit | 13 |
| 13 | Calibration Wand | 2 |
| 14 | Dauntless Cable Kit | 1 |
| 15 | Controller Machine | 1 |
| 16 | Tracking Machine | 1 |
| 17 | Viewer Machine | 1 |
| 18 | After Action Review Machine | 1 |
| 19 | Uninterruptible Power Supply (Rack) | 1 |
| 20 | Rack Mount Server Closet | 1 |
| 21 | 24" Monitor | 4 |
| 22 | Muscle Stimulation Pad Set | 600 |
| 23 | Muscle Stimulation Wire Pair | 16 |
| 24 | 55" HDTV | 4 |
| 25 | TV Wall Mount | 4 |
| 26 | Reflective Marker "X" | 100 |
| 27 | MKR-RFL-15.9MM-NB | 480 |
| 28 | Cable Management | 1 |
| 29 | Surge Protector | 4 |
| 30 | 7-Position Rifle Rack | 2 |
| 31 | 13-position Pistol Rack | 1 |
| 32 | Operator/AAR Desk | 2 |
| 33 | Case of SoftAir Gas (12 bottles) | 6 |
| 34 | LCD Wipes (Large Container) | 4 |
| 35 | AMP Splitter Avenview | 2 |
| 36 | AMP Receiver Avenview | 3 |
| 37 | HDMI Splitter Monoprice | 1 |
| 38 | USB Speakers | 1 |



Motion Reality, Inc.

www.motionrealityincorporated.com

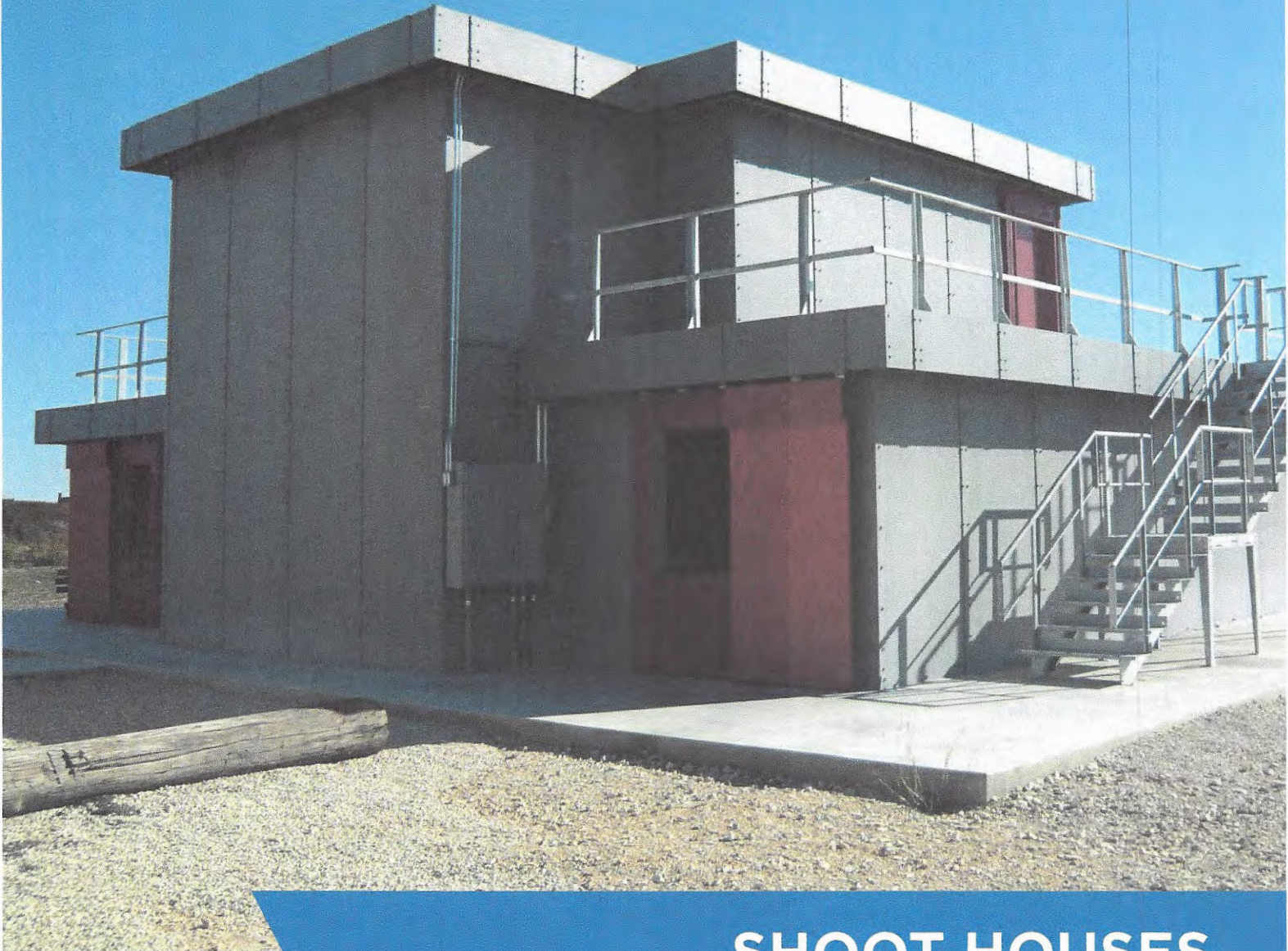
824 Livingston Court

Marietta GA 30067

bd@motionreality.com

+1 (404) 855-3170

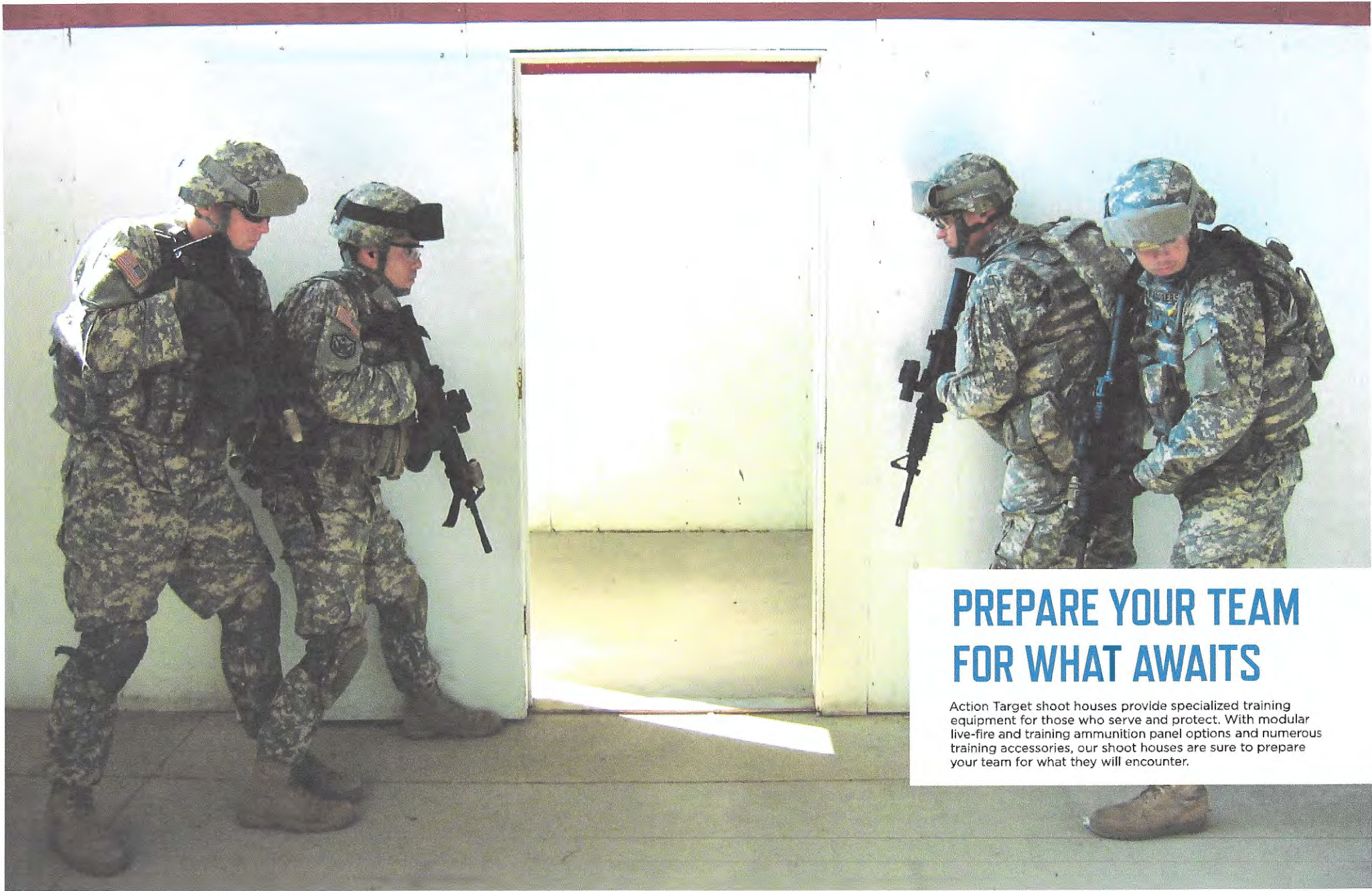
*Examples of
Shoot House Kits*



SHOOT HOUSES



ActionTarget.com



PREPARE YOUR TEAM FOR WHAT AWAITS

Action Target shoot houses provide specialized training equipment for those who serve and protect. With modular live-fire and training ammunition panel options and numerous training accessories, our shoot houses are sure to prepare your team for what they will encounter.



MATCH™ SHOOT HOUSE

MATCH revolutionized shoot houses more than 20 years ago and continues to set the standard in creating the best live-fire training atmosphere. Using a relatively small number of parts, MATCH houses are able to be configured into any number of designs for small, medium, and large shoot houses. Also, the MATCH system uses steel core wall panels that stack compactly and assemble quickly. This approach

allows an entire shoot house building to be shipped inside a single 20-foot container. Once the parts arrive on-site they can be assembled completely without welding. The unique MATCH design reduces through-life costs by implementing multiple fascia options, through-hardened steel, and accessories that reduce maintenance while providing the safest environment.

BALLISTIC
Live-fire shoot house with handgun, shotgun, and rifle rated options.

MODULAR
Utilizes interchangeable parts and numerous training accessories.

CONNECTED
Integrates with central range control software for advanced features and functionality.

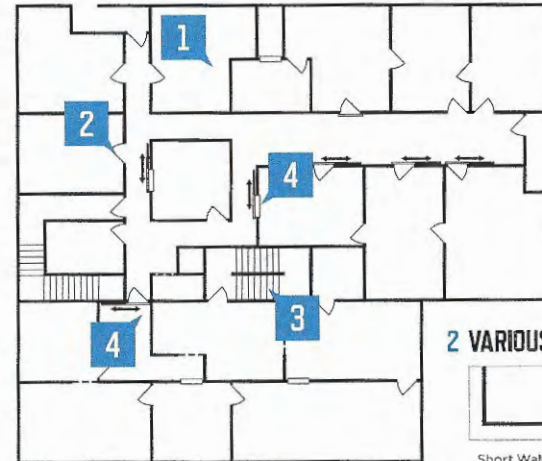
CUSTOMIZABLE
MATCH can be custom engineered to meet the specific needs of any agency.

CLEAN AND SAFE
Splatter containing walls, zero SDZ design, and ventilation provide a safe training environment.

ENGINEERED
Every aspect of MATCH is carefully engineered to provide the best shoot house possible.



Learn more about MATCH™ shoot houses
ActionTarget.com/MATCH

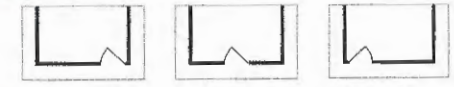


1 REALISTIC ROOM SHAPES

MATCH utilizes 6 and 9 inch thick wall panels that mimic realistic environments and can be assembled in nearly any configuration.

- **Flexible Number of Rooms:** MATCH can add as many rooms as your training needs require.
- **Adaptable Room Sizes:** Room sizes vary from 16 to more than 1,000 square feet.
- **Various Room Types:** Rooms can be set up in short wall right, short wall left, center entry, multiple entry, irregular, irregular with hidden areas, and long configurations. Rooms can also include closets, balconies, hidden areas and more to enhance training exercises. Hallways are also easy to configure.

2 VARIOUS ROOM ENTRIES



Short Wall Right Center Short Wall Left

3 MULTIPLE LEVELS

MATCH can be configured with up to three levels. This gives training facilities the ability to replicate sniper shots, stairway clearance, and balcony.

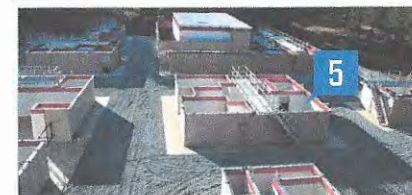
- **Single Story Plans:** Set up your shoot house for realistic single level training exercises.
- **Two and Three Story Plans:** MATCH utilizes a proprietary design to allow ballistically safe training on multiple levels. Houses are engineered to comply with local seismic codes.
- **Stairwells:** Open, closed, outside, and "L" and "U" shaped stairwells are available.



4 RECONFIGURABLE ROOMS

MATCH uses sliding ballistic panels to allow trainers to change the room configuration and paths through the house quickly and easily while maintaining zero SDZ. Available in window and wall options.

- **Change Entry Points:** Create multiple entry configurations including corner, center, and window entries, simply by moving a panel. Easily change the flow of the house or divide it in two for simultaneous training.
- **Change Room Layout:** Target systems and bullet traps are able to be placed in multiple locations without hurting the ballistic integrity of the room.



5 SHOOT HOUSE VILLAGES (MOUT)

Sometimes one MATCH is not enough. In these cases it takes a village. Shoot house villages allow for more advanced training scenarios and simultaneous urban training.

- **Roof to Window Sniper Training:** Having a shoot house village allows training between buildings including sniper shooting through windows.
- **Urban Environment Exercises:** Villages create open space where vehicles such as helicopters and APC's can be used for advanced deployment and extraction exercises.



BALLISTIC PROTECTION

MATCH™ is built to be safe from room to room and outside of the shoot house. Action Target's unique design is built to keep all rounds and splatter safely contained within the walls protecting shooters, trainers, and observers.

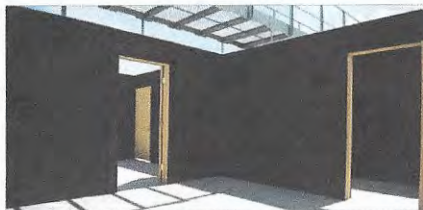


SPLATTER CONTAINMENT

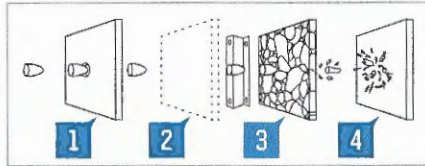
MATCH wall panels use a specially engineered method to capture rounds and completely contain splatter, protecting shooters, trainers, and observers from injury. Surfaces can be painted to indicate no shoot zones or to replicate real indoor surfaces.



Wood Panel Fascia: The wood panel fascia comes with or without rock filling.



Rubber Fascia: Easy to replace rubber composite fascia seals around outlet holes which keeps the shoot house visually clean.

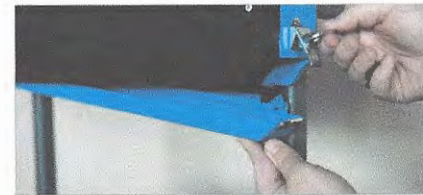


- MATCH walls utilize a unique splatter containment design.
- 1 Fascia:** A rubber or wood fascia contains bullet splatter.
 - 2 Air Space:** A z-furring strip creates room for the bullet to fully fragment on the steel plate.
 - 3 Optional Gravel Fill:** Wood panel fascia may use a gravel fill with a rubber membrane to improve the life of the panel by reducing the energy on the steel plate. Using panels without a gravel fill significantly reduces the panel inspection time.
 - 4 Steel Core:** Ballistic steel ensures all rounds are safely captured within the wall.

SDZ AND VDZ RATED LAYOUTS

MATCH provides a viable training environment with a zero Surface Danger Zone (SDZ) both inside and outside the structure. This is contained through ballistic wall panels and bullet-trapping fascia. MATCH walls are engineered to easily accept a ballistic roof system to create a zero Vertical Danger Zone (VDZ).

- **Ballistic Rated:** ATI Class 1 (handgun) and ATI Class 2 (rifle) rated options are available.
- **Patented Gap Free Design:** Panels fit together and are sealed to eliminate gaps where rounds can escape the shoot house horizontally, even in corners and around doors.
- **Ballistic Ceiling Ready:** MATCH walls are built to accept a ballistic ceiling without modification to provide VDZ protection.
- **Safe Entry Points:** Safety walls or sliding ballistic panels to maintain a zero SDZ around entry points.



All Terrain Wheel



Brass Deflecting Wheel

PORTABLE BULLET TRAP NEW

Portable bullet traps extend the life of the shoot house by capturing rounds in an easy to maintain facade. Strategic placement of bullet traps can reduce the amount of rounds fired into the shoot house walls by as much as 90%. The trap is large enough to accept standard size paper and cardboard targets and they are easily attached with staples or pins.

- **Extends Shoot House Life:** Properly utilizing portable bullet traps will extend the life of your shoot house indefinitely.
- **Splatter Free:** All rounds are completely contained within the trap protecting shooters and other people inside the shoot house from injury from bullet splatter and ricochet.
- **Replaceable Facade:** Over time the rubber layer on the outside of the trap will wear out. Replacing this is easy and much less expensive than replacing walls in the shoot house.
- **Mobile:** A locking wheel base makes the trap easy to move throughout the shoot house. Both an indoor, brass-shedding and an outdoor, all-terrain wheel option is available.
- **Easy-Empty Base:** The bottom of the trap opens up to empty bullet splatter from the trap into a container for recycling.

PORTABLE BULLET TRAP FEATURES

| DIMENSIONS | W x H x T (in inches) | 30.5 x 29.0 x 72.0 |
|-------------------|------------------------|--------------------|
| | Weight | 340 lbs. |
| AMMUNITION RATING | ATI Class 1 (Handgun) | ■ |
| | ATI Class 2 (Rifle) | ■ |
| FEATURES | Replaceable Facade | ■ |
| | Easy Empty Tray | ■ |
| | All Terrain Wheel | ○ |
| | Brass Deflecting Wheel | ○ |

■ Standard Feature ○ Optional Feature



BREACH ACCESSORIES

MATCH™ is ideal for all forms of forced entry training. Available accessories provide advanced room clearing training including searching for hiding areas and secret tunnels.

TACTICAL BREACH DOOR

The Tactical Breach Door is the ultimate mode of entry training tool. It's advanced design is ideal for every type of forced entry training. The door is available in both left and right hinge options.

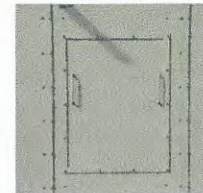
- **Battering Ram Breaching:** An adjustable latch system can be set to varying degrees of force including kicking and hitting with a battering ram. The latch simply has to be reset for reuse and does not require consumable pins.
- **Shotgun Breaching:** A disposable wooden dowel in the door latch allows for shotgun breach training.
- **Explosive Breaching:** The breach door can be used for explosive breach entry.
- **Freestanding Frame Option:** An available freestanding option allows the Tactical Breach Door to be used on any concrete pad.



TACTICAL BREACH DOOR FEATURES

| DIMENSIONS | W x H x T (in inches) | 36.0 x 81.75 |
|----------------|-----------------------|--------------|
| LATCH SETTINGS | Kick | ▪ |
| | Heavy Kick | ▪ |
| | Shoulder | ▪ |
| | Battering Ram | ▪ |
| DOWEL | Shotgun Breach | ▪ |
| | Explosive Breach | ▪ |
| CONFIGURATION | Left Door Frame | ▪ |
| | Right Door Frame | ○ |
| | Free Standing Frame | ○ |

▪ Standard Feature ○ Optional Feature



ROOF BREACH / RAPPELLING

Installing a ballistic roof breach door into a MATCH safety ceiling allows entry from the roof.

- **Panel Ready:** Pre-drilled holes easily accept plywood or rubber panels for cutting or explosive breach training.
- **Rappelling Anchor:** An available anchor accepts climbing ropes for rappelling into a room.



TUNNELS

Custom built underground tunnels can connect rooms within a MATCH shoot house or connect multiple houses within a village.



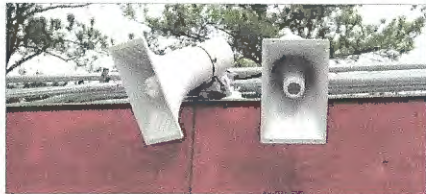
VENTILATION DUCT NEW

Custom ventilation ducts with removable fans can be installed for enhanced entry and extraction training techniques.



AFTER ACTION REVIEW

Custom integrated instrumentation dramatically enhances the effectiveness of after action review procedures. With these systems, trainers are able to safely observe and assess trainees' retention and execution.



CAMERA SYSTEMS

Closed circuit cameras allow for remote observation and evaluation. Cameras are contained in a protective housing.



VIDEO RECORDING

Various recording devices can be added to the system to provide trainers the ability to review training scenarios with the trainee.

AUDIO SYSTEMS

PA and other audio systems help trainers communicate with trainees as well as give them the ability to pipe sound effects into the house, enhancing the reality of the training.



MONITORING

Display monitors are available in all sizes and aspect formats. Integrated with the Action Target SmartRange™ system allows trainers to observe multiple rooms at the same time or switch between cameras.

ADDITIONAL ACCESSORIES

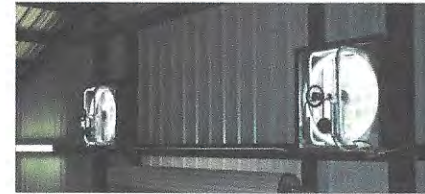
Every detail of MATCH™ is carefully designed to provide the safest and best live fire training environment possible. These important accessories will ensure that your trainees are prepared for whatever they may encounter.



CATWALKS

Catwalks span across the top of a single story shoot house to give visual access to all rooms of the facility so controllers can provide instant feedback and instruction to trainees below.

- **Heavy Duty Steel:** Catwalks are structurally built to support multiple observers, trainers, and VIPs safely. The rugged design will hold up to years of continuous use.
- **Weather Resistant:** Steel parts are hot dip galvanized to prevent rust and ensure long life, eliminating the need to paint, stain, or seal the catwalk system. The wood free design is also impervious to weather cracking and rot.
- **Flexible Configurations:** The modular floor and rail design allows our design team to create the ideal fit for any shoot house.



VENTILATION

Keeping a facility clear from lead dust and other airborne materials is an essential part of creating a safe atmosphere for shooters and trainers alike. Action Target provides the best solutions for properly ventilating a shoot house. Various options are available to fit the needs of each house configuration.



LIGHTING

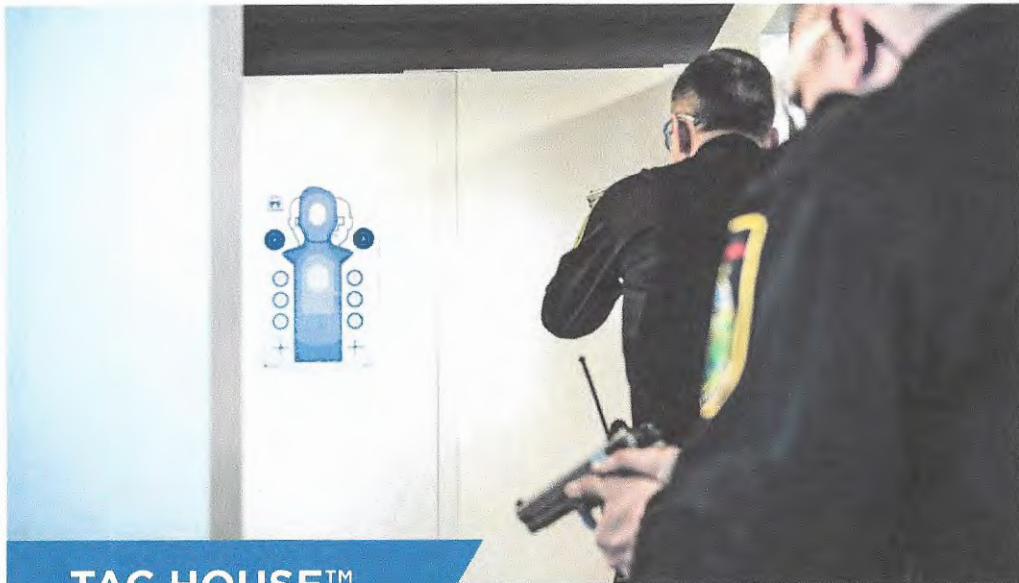
Lighting can have a dramatic impact on a MATCH™ facility. From low-light, to bright-light training and everything in between, lights are essential to recreating real-world scenarios. Action Target offers a number of options to fit the specific needs of each agency.

- **Advanced Control:** Lights can be controlled in each room, with automatic sensors, and from the control room.
- **Safe:** Lights are contained within explosion resistant housings.
- **Low Maintenance:** Lights can be replaced with a simple power outlet. Nothing is hardwired or hidden behind walls reducing the time required to replace any fixtures.



RAPID ARMOR PANEL NEW

The Rapid Armor Panel is a bolt-on accessory that extends the life of steel panels as they wear over time. This after market product is simple to install and significantly reduces the through-life cost of the shoot house.



TAC HOUSE™

NEW

The Training Ammunition Combat (TAC) House is a non-ballistic training tool for adaptive urban assault, building search and clearing as well as force-on-force training. Designed for use with simulated ammunition rounds, marking cartridges, or blanks. Teams can train with their own converted duty weapons. The modular design of the TAC House allows trainers the ability to rapidly convert any outdoor or indoor

space into a realistic tactical training facility. The TAC House provides a true-to-life training environment with solid walls and real doors. The panels are engineered to interlock with each other provide maximum stability and a precise fit and finish. When used outdoors, they can withstand rain and humidity as well as winds up to 40 mph.



NON-LETHAL

For use with Simunition FX™, Force on Force™, and Man Marker™ rounds.



MODULAR

Interchangeable parts can be configured in nearly any layout and allow for future expansion.



LIGHTWEIGHT

Requires only two people for assembly and take down.



OUTDOOR RATED

Perfect for training indoors and outdoors in any flat, open space.



DURABLE

Quality panels are built to stand up to years of use in training scenarios.



Learn more about TAC House™
ActionTarget.com/TAC_House

QUALITY ENGINEERING



TRAIN WITH PURPOSE

Ideal for low light, force on force, active shooter, urban assault, mission planning and walkthroughs. Your personnel will be prepared for the challenging reality they face.



EASY TO RECONFIGURE

Each structure kit comes with all the necessary components to assemble multiple layouts and floor plans.

- **Fast Assembly:** In only a few hours you can create a new and unique training environment.

PRECISE FIT AND FINISH

Every panel is built and assembles for flat and flush connections. This creates a stable structure that is forgiving on uneven surfaces, in inclement weather, or through intense wall impacts during training.

EASY TO DEPLOY

All kits ship on standard double pallets to fit in any container or commercial truck.

AVAILABLE PANELS

TAC House has 5 available panels making it easy to set up unique rooms and house configurations. Left and right swinging doors are available, but not shown.



Door Panel

Wall Panel

Window Panel



End Cap

"L" Joint

"I" Joint



"T" Joint

"X" Joint

COMPLETE KITS


TAC House™ is available in four standard kits to make ordering easy for whatever configuration your agency may need. Additional components are warehoused for quick delivery to expand the size of your kit. Each kit provides enough materials to assemble multiple house layouts. Custom kits are also available.

KIT 1

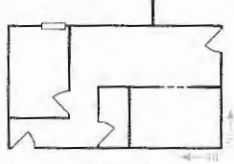
Houses up to 450 total sq./ft.

PANELS
30 Wall
1 Window
2 Left Door
2 Right Door
1 Open Door
34 Posts

JOINTS
12 "L" 2 "X"
38 "I" 2 End
14 "T"



HOUSE 15



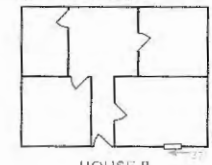
HOUSE 13

KIT 2

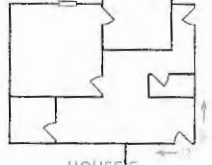
Houses up to 800 total sq./ft.

PANELS
43 Wall
1 Window
3 Left Door
3 Right Door
2 Open Door
50 Posts


JOINTS
58 "L" 2 "X"
18 "I" 2 End
18 "T"



HOUSE 8



HOUSE 6



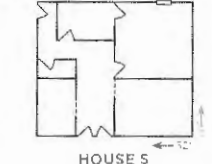
HOUSE 3

KIT 3

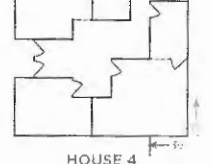
Houses up to 1000 total sq./ft.

PANELS
56 Wall
2 Window
7 Left Door
7 Right Door
7 Open Door
72 Posts

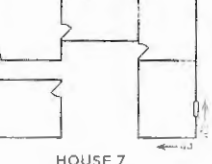
JOINTS
28 "L" 2 "X"
88 "I" 4 End
22 "T"



HOUSE 5



HOUSE 4



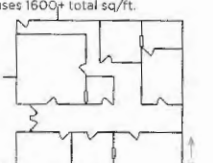
HOUSE 7

KIT 4

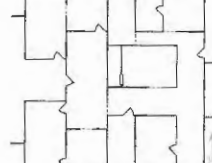
Houses 1600+ total sq./ft.

PANELS
120 Wall
4 Window
7 Left Door
7 Right Door
7 Open Door
135 Posts

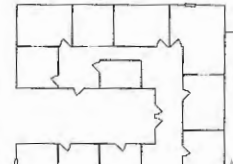
JOINTS
24 "L" 2 "X"
180 "I" 8 End
56 "T"



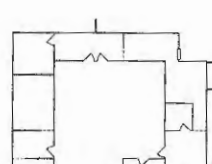
HOUSE 25



HOUSE 11



HOUSE 9



HOUSE 16

SHOOT HOUSE PANEL COMPARISON

| DIMENSIONS | Panel Size (W x H x D) | TAC HOUSE NON-LETHAL | MATCH ATI CLASS 1 HANDGUN | MATCH ATI CLASS 2 RIFLE |
|-------------------|------------------------------|----------------------|---------------------------|-------------------------|
| | | 4-ft x 8-ft x 4-inch | 4-ft x 8-ft* | 4-ft x 8-ft* |
| AMMUNITION RATING | Non-Lethal | ■ | ■ | ■ |
| | Standard Pistol | ■ | ■ | ■ |
| | Standard Rifle | ■ | ■ | ■** |
| | Breach/Explosives | ■ | ■ | ■ |
| PANEL STYLE | Solid Wall | ■ | ■ | ■ |
| | Window | ■ | ■ | ■ |
| | Door | ■ | ■ | ■ |
| FASCIA | Plywood Panel | ■ | ■ | ■ |
| | Plywood Panel with Rock Fill | ■ | ■ | ■ |
| | Rubber Panel | ■ | ■ | ■ |
| | Rubber Block (Custom) | ○ | ○ | ○ |

■ Standard Feature ○ Optional Feature *Thickness: Wood 6-inch, Rubber 9-inch **Not approved for M855A1 or M80 AI

SHOOT HOUSE COMPATIBLE ACCESSORIES

| | | TAC HOUSE NON-LETHAL | MATCH ATI CLASS 1 HANDGUN | MATCH ATI CLASS 2 RIFLE |
|--------------------------|-----------------------------------|----------------------|---------------------------|-------------------------|
| | | ■ | ○ | ○ |
| DOORS | Standard Door | ■ | ○ | ○ |
| | Tactical Breach Door | ■ | ○ | ○ |
| SLIDING BALLISTIC PANELS | Sliding Door/Wall Compatible | ○ | ○ | ○ |
| | Sliding Window Compatible | ○ | ○ | ○ |
| CEILING | Safety Ceiling | ○ | ○ | ○ |
| AFTER ACTION REVIEW | Camera Systems | ■ | ○ | ○ |
| | Audio Equipment | ○ | ○ | ○ |
| | Central Range Control Integration | ○ | ○ | ○ |
| LIGHTING | Light Option 1 | ○ | ○ | ○ |
| | Light Option 2 | ○ | ○ | ○ |

■ Standard Feature ○ Optional Feature

SHOOT HOUSE PANEL BALLISTIC RATINGS

| PANEL MATERIAL | ATI Class | Caliber Rating | Maximum Velocity | Maximum Energy | Compliance |
|----------------|-------------|----------------|------------------|----------------|------------------------|
| Steel Core | ATI Class 1 | Pistol | 1,485 fps | 1,175 ft/lbs | UL752 Level 3 |
| | ATI Class 2 | Rifle* | 3,388 fps | 3,600 ft/lbs | UL752 Level 5,7,8,9,10 |

* Not rated for armor piercing, atypical ammunition, M855 AI, or M80 AI. Big bore rounds can be used with the following limitations:
 .358 Lapua: 3,000 fps & 4,850 ft/lbs, .50 BMG: 2,750 fps & 9,934 ft/lbs

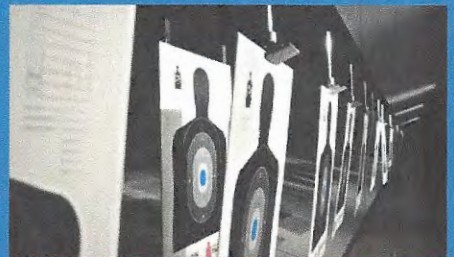
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