



ADDENDUM IX

SUBJECT: Tactical and Firearm Building (RFCSP 2024-130, WBS: 23-04056), Scheduled to Close: Tuesday, January 7, 2024; Date of Issue: Friday, September 20, 2024

FROM: Jonathan Miranda, MSJP
Procurement Administrator

DATE: December 19, 2024

THIS NOTICE SHALL SERVE AS ADDENDUM NO. IX – TO THE ABOVE REFERENCED REQUEST FOR COMPETITIVE SEALED PROPOSALS

This addendum is separated into sections for convenience; however, all Respondents, and other parties shall be responsible for reading the entire addendum. The failure to list an item or items in all affected sections of this addendum does not relieve any party affected from performing as per instructions, providing that the information is set forth one time any place in this addendum. These documents shall be attached to and become part of the Contract Documents for this project. The Respondent shall be required to acknowledge the receipt of this addendum.

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1. The following changes and/or additions to the Contract Documents, via this addendum, shall apply to submittals made for and to the execution of the various parts of the work affected thereby.
 2. Careful note of the addendum shall be taken by all interested parties and all trades affected shall be fully advised in their performance of the work involved.

THE ABOVE-MENTIONED REQUEST FOR COMPETITIVE SEALED PROPOSALS IS HEREBY AMENDED AS FOLLOWS:

GENERAL INFORMATION

1. Remove: Revised Exhibit D Wage Decision TX 20240231 08/30/2024
Replace: Revised Exhibit D Wage Decision TX 20240231 11/22/2024
2. Add: Savage Range System substitution request for Shoot House Equipment.

REVISIONS TO CONSULTANT'S DOCUMENTS (SPECIFICATIONS, PLANS, ETC.)

1. Consultant's revisions will be issued as a separate file.

Items include:

- a. Revisions to Plans and Specifications – Addendum 3 Pfluger Architects.

QUESTIONS SUBMITTED IN ACCORDANCE WITH SECTION VIII.3, RESTRICTION OF COMMUNICATIONS:

QUESTIONS SUBMITTED ON CIVCAST

Question 1: Given the additional design documents and scope provided, is there an updated budget for this project?

Response: There is no change in the budget.

Question 2: Drawings does not provide insight on the catwalk so how is the catwalk supported?

Response: Catwalk is to be provided as part of the shoot house equipment and not supported by the existing structure.

Question 3: S2.2 indicated a crowning slab. A-102 calls out a ¼" per foot slope in four directions. A level slab is required for safe shoot house wall installation/erection. If not, there will be gaps under the steel plate and/or uneven top line of the walls.

Response: Slab is required for drainage. The floor should slope as indicated. The manufacturer should be prepared to adjust their system to address the sloped floor.

Question 4: Spec section 11 67 23 paragraph 2.4 A9 calls for breach doors to swing inwards however A-102 shows door 02Y swinging outwards. Please confirm that the door is swing inwards or outwards.

Response: Final selection of breach doors to be determined by the city after award.

Question 5: Please confirm if shoot house window openings require sliding ballistic covers/shields on outside.

Response: Final selection of shoot house window opening to be determined by the city after award.

Question 6: Are sliding ballistic shield panels required for any shoot house doors?

Response: Final selection of ballistic shield panels to be determined by the city after award.

Question 7: Specification section 13 24 19 sub section 1.3(System performance requirements) references AISC as the standard for fabrication and installation. Are steel fabrication shops and the erectors required to be AISC certified for this project?

Response: Steel fabricators and erectors are not required to be AISC certified. However, it may be subject to additional testing/inspection.

Question 8: Is there a duration that respondent must hold their price for alternates?

Response: After award, respondent is not allowed to change the price for the base bid and alternates.

Question 9: We would like to request more directive on how to proceed pricing any work associated with fire alarm and security. Without a code compliant fire alarm system, typically the building will not be granted an occupancy permit. With that, how should we proceed with bidding this scope?

Response: Security system requirement and equipment will be provided by the City.

Question 10: Addendum 7 includes markups of the specifications for section 11 67 23 which outlines the required equipment, which we assume is required for alternate 1. We could not find a

quantity of the required items in addendum 7 section 11 67 23 nor a layout on the drawings of where the equipment is required. Will the layout that identifies the quantities required for alternate 1 be provided?

Response: Layout was issued as part of addendum 2 Pfluger Architects. Please refer to addendum 3 Pfluger Architects for updated specification section 11 67 23. Final selection of the equipment to be determined by the City after award.

Question 11: Is the City open for another site-visit for respondent to see the shooting range and get a fair and accurate assessment of the existing facility?

Response: The City has decided not to conduct another site-visit.

Question 12: Is the catwalk supported by the shoot house walls, or the PEMB structural members/foundation? Commonly, they are attached directly to the top of the shoot house walls to allow for best viewing and best value (no additional structural support elements required). Additionally, section 11 67 23 subsection 2.3A of addendum 7 calls for ballistic stairwell and/or stairway. We assume that is to make catwalk bulletproof, but we are not sure if that is the intent and how to bid that. Will additional details for the stairwell and/or stairway be provided for bidding purposes?

Response: Catwalk is to be provided as part of shoot house equipment and not supported by the existing structure. Please refer to addendum 3 – Pfluger Architects for updated specification section 11 67 23. There are no ballistic stair walls as part of this shoot house. Final selection will be made by the City after award.

Question 13: Sheet A102 identify the catwalk positioned 11' above the shoot house. Is that correct?

Response: Catwalk is to be provided as part of shoot house equipment and not supported by the existing structure. Catwalk is to be supported by the top of the shoot house walls.

Question 14: Who will be tasked with removal and recycling of existing turning target systems and associated materials (Compressors, airlines, conduit, turners, running man systems, control boxes, etc.)

Response: Respondent shall co-ordinate with the City for removal and recycling of existing turning target systems and associated materials.

Question 15: Section 11 67 23-part 1 subsection 1.1(b) 6 calls for a fully contained range. We assume that means the existing shooting range (alternate 1) is fully contained. However, we are not sure how to interpret that for the shoot house since sheet A301 does not provide detail of a wall type for the shoot house. Is this an open-air shoot house or enclosed? Additionally, 11 67 23 calls for a NIOSH compliant HVAC system. We assume that is not required if the answer to this question is that the shoot house is open air, is that correct?

Response: Please refer to layout provided as part of addendum 2 Pfluger Architects. The shoot house is open-air with a prefab pavilion and will not require HVAC. Please refer to revised specification issued as part of addendum 3 - Pfluger Architects. Final section of the shoot house will be determined by the City after contract award.

Question 16: There are several references to design as a requirement in the specification 11 67 23 1.1b. What level of design is required for this project?

Response: Please refer to revised specification section 11 67 23 issued as part of addendum 3 - Pfluger Architects. Turnkey design is required for this project.

Question 17: There appears to be several openings on the walls of the shoot house. Are those intended to be windows? If so, do you wish for there to be sliding ballistic covers for them so that they are ballistically tight when not actively in use?

Response: Opening are windows or doors. Sliding ballistic covers confirmed.

Question 18: Specification section 11 67 23 paragraph 2.6, identifies two models of portable bullet traps to be provided – Portable Encapsulator Trap and Portable Tactical Trap. Is there a preference for which model?

Response: Please refer to revised specification section 11 67 23 issued as part of addendum 3 - Pfluger Architects.

Question 19: Specification section 11 67 23 paragraph 2.7, identifies both standard Dura-Panel EXP and Dura-Panel ballistic rubber, is there a preference for this project?

Response: Please refer to revised specification section 11 67 23 issued as part of addendum 3 - Pfluger Architects.

Question 20: Section 11 67 23 subsection 2.3 A 10 of addendum 7 identifies several components that are not quantifiable. Please clarify the following: What exactly is the design/constructability requirement of a ballistic stairwell and/or stairway? Where is this stairway and/or stairwell located? Where are the "pivot walls" located? What are the requirements for the exterior ballistic protection? We cannot find any information for a closed-circuit camera system on sheet TS-203. Where is the camera system required?

Response: Please refer to revised specification section 11 67 23 issued as part of addendum 3 - Pfluger Architects. Please refer to addendum 2 for layout. Final equipment selection will be made by the City after award.

Question 21: Savage Range System request to be listed as an acceptable manufacturer for Shoot house equipment.

Response: The City has reviewed the submitted literature and consider Savage Range System as an acceptable manufacturer.

DocuSigned by:

Jonathan Miranda

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Jonathan Miranda, MSJP
Procurement Administrator
Finance Department - Procurement Division

General Decision Number: TX20240231 11/22/2024

Superseded General Decision Number: TX20230231

State: Texas

Construction Type: Building

County: Bexar County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract.	
	. The contractor must pay all covered workers at least \$17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024.	
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract.	
	. The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.	

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this

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Building Job Classification Definitions Can Be Found At - <https://www.sanantonio.gov/PublicWorks/Current-Vendor-Resources/Labor-Compliance>

wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/05/2024
1	01/12/2024
2	04/05/2024
3	06/14/2024
4	07/05/2024
5	08/30/2024
6	11/08/2024
7	11/22/2024

ASBE0087-014 06/03/2024

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)....	\$ 29.50	8.79

BOIL0074-003 07/01/2023

	Rates	Fringes
BOILERMAKER.....	\$ 37.00	24.64

ELEC0060-003 01/01/2024

	Rates	Fringes
ELECTRICIAN (Communication Technician Only).....	\$ 33.50	18%+5.45

ELEC0060-004 01/01/2024

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring).....	\$ 33.50	18%+5.45

ELEV0081-001 01/01/2024

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 48.92	37.885+a+b

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FOOTNOTES:

a. 6% under 5 years based on regular hourly rate for all hours worked. 8% over 5 years based on regular hourly rate for all hours worked.

b. Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving Day; Christmas Day; and Veterans Day.

 ENGI0450-002 04/01/2024

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Cranes.....	\$ 39.47	10.39

* IRON0066-013 06/01/2024

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 26.75	7.53

* IRON0084-011 06/01/2024

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 28.26	8.13

PLUM0142-009 07/01/2024

	Rates	Fringes
HVAC MECHANIC (Electrical		
Temperature Control		
Installation & Unit		
Installation Only).....	\$ 36.87	11.48
PIPEFITTER (Including HVAC		
Pipe Installation).....	\$ 36.87	11.48
Including HVAC Pipe Installation		
PLUMBER.....	\$ 36.87	11.48
Excludes HVAC Pipe Installation		

SFTX0669-002 04/01/2024

	Rates	Fringes
SPRINKLER FITTER (Fire		
Sprinklers).....	\$ 36.15	23.88

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SHEE0067-004 07/03/2024

	Rates	Fringes
Sheet metal worker		
Excludes HVAC Duct		
Installation.....	\$ 32.24	15.89
HVAC Duct Installation Only.	\$ 32.24	15.89

** SUCOSA 1/5/2024

	Rates	Fringes
GLAZIER.....	\$ 12.59	0.87

* SUTX2014-006 07/21/2014

	Rates	Fringes
BRICKLAYER.....	\$ 22.15	0.00
CARPENTER (Acoustical Ceiling Installation Only).....	\$ 17.83	0.00
CARPENTER (Form Work Only).....	\$ 13.63 **	0.00
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work, and Metal Stud Installation.....	\$ 16.86 **	4.17
CAULKER.....	\$ 15.00 **	0.00
CEMENT MASON/CONCRETE FINISHER...	\$ 22.27	5.30
DRYWALL FINISHER/TAPER.....	\$ 13.81 **	0.00
DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 15.18 **	0.00
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 20.39	3.04
IRONWORKER, REINFORCING.....	\$ 12.27 **	0.00
LABORER: Common or General.....	\$ 10.75 **	0.00
LABORER: Mason Tender - Brick...	\$ 11.88 **	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 12.00 **	0.00

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LABORER: Pipelayer.....	\$ 11.00 **	0.00
LABORER: Roof Tearoff.....	\$ 11.28 **	0.00
LABORER: Landscape and Irrigation.....	\$ 8.00 **	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 15.98 **	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 14.00 **	0.00
OPERATOR: Bulldozer.....	\$ 14.00 **	0.00
OPERATOR: Drill.....	\$ 14.50 **	0.00
OPERATOR: Forklift.....	\$ 12.50 **	0.00
OPERATOR: Grader/Blade.....	\$ 23.00	5.07
OPERATOR: Loader.....	\$ 12.79 **	0.00
OPERATOR: Mechanic.....	\$ 18.75	5.12
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 16.03 **	0.00
OPERATOR: Roller.....	\$ 12.00 **	0.00
PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping.....	\$ 13.07 **	0.00
ROOFER.....	\$ 12.00 **	0.00
TILE FINISHER.....	\$ 11.32 **	0.00
TILE SETTER.....	\$ 14.94 **	0.00
TRUCK DRIVER: Dump Truck.....	\$ 12.39 **	1.18
TRUCK DRIVER: Flatbed Truck.....	\$ 19.65	8.57
TRUCK DRIVER: Semi-Trailer Truck.....	\$ 12.50 **	0.00
TRUCK DRIVER: Water Truck.....	\$ 12.00 **	4.11

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.20) or 13658 (\$12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were

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prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

State Adopted Rate Identifiers

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<https://www.sanantonio.gov/PublicWorks/Current-Vendor-Resources/Labor-Compliance>

Classifications listed under the ""SA"" identifier indicate that the prevailing wage rate set by a state (or local) government was adopted under 29 C.F.R. 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 01/03/2024 reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

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<https://www.sanantonio.gov/PublicWorks/Current-Vendor-Resources/Labor-Compliance>

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

SUBCONTRACTOR SUBSTITUTION REQUEST FORM

We hereby submit for your consideration the following product instead of the specified item for the following project:

PROJECT:	CoSA Tactical & Firearm Facility	PROJECT NO:	23-024
DRAWING NO:		DRAWING NAME:	
SPEC. SECT.	SPEC. NAME	PARAGRAPH	SPECIFIED ITEM
SECTION 11 67 23	SHOOTING RANGE EQUIPMENT	2.1 D.	MANUFACTURERS

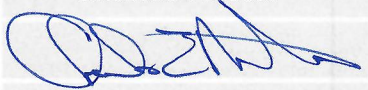
Proposed Substitution:

Please consider adding Savage Range Systems as an acceptable manufacturer for the Shoot House (116723). Supporting documentation and past performances attached.

Link to Shoot House video:-
<https://youtu.be/NVZyMHUOu78>

**CERTIFICATION OF EQUAL PERFORMANCE
AND ASSUMPTION OF LIABILITY FOR EQUAL PERFORMANCE**

The undersigned states that the function, appearance, and quality are equivalent or superior to the specified item.

Submitted By:	Charles Nester	Title:	General Manager
Signature:		Date:	11/21/24
Company:	Savage Range Systems, Inc.		
Address:	100 Springdale Road, Westfield MA 01085		
Telephone:	413-642-4151		

Signature shall be by person having authority to legally bind company to the above terms. Failure to provide legally binding signature will result in retraction of approval.

For Use by Design Professional or Architect:

- ☐ **Recommended**
- ☐ **Recommended as Noted**
- ☐ **Not Recommended**
- ☐ **Received Too Late**

Approved By: _____ Title: ____

Signature: _____ Date: _____

For Use by Owner’s Representative or Owner:

- ☐ **Accepted**
- ☐ **Accepted as Noted**
- ☐ **Not Accepted**
- ☐ **Received Too Late**

Accepted By: _____ Title: _____

Signature: _____ Date: _____

Project	State	Country
Aimtrex Technologies PVT. LTD	New Delhi	India
Brevard County Sheriff's Department	FL	USA
City of Hialeah Police Department	FL	USA
Defense Testing Activity, Harvey Point	NC	USA
FBI Atlanta Field Office	GA	USA
FBI Chicago Field Office	IL	USA
FBI Cleveland Field Office	OH	USA
FBI Houston Field Office	TX	USA
FBI Las Vegas Field Office	NV	USA
FBI Louisville Field Office	KY	USA
FBI Miami Field Office	FL	USA
FBI Phoenix Field Office	AZ	USA
Harvey Point DOD	NC	USA
Jacksonville Sheriff's Department	FL	USA
Milwaukee Area Technical College Oak Creek	WI	USA
NASA/Kennedy Space Center	FL	USA
National Security Associates	GA	USA
NE WI Technical College	WI	USA
Oman Special Forces	Oman	Oman
Pasadena Police Academy	TX	USA
Philadelphia Police Department	PA	USA
Sioux City Police Department	IA	USA
SOCSSO, US Army		El Salvador
St. Charles Co. Sheriff's Department	MO	USA
Texas City Training Center	TX	USA
US Army Fort Gordon	GA	USA
US Army Fort Leonard Wood	MO	USA
US Army SOC South, Columbia		Columbia
US Army SOC South, Dominican Republic		Dom. Rep.
US Coast Guard Cape Cod	MA	USA
US Coast Guard USCG TACLET	FL	USA
US Coast Guard Opa Locka	FL	USA
US Coast Guard Otis Air Station	MA	USA
US DOE Oak Ridge National Lab	TN	USA
US DOE BWTX Pantex	TX	USA
US DOE Lawrence Livermore Nat'l Lab	CA	USA
US DOE Nevada Test Site	NV	USA
US DOE National Training Center	NM	USA
US Marine Corps Camp Lejeune	NC	USA
US Marine Corps MARSOC, Camp Lejeune	NC	USA
US Navy Coronado Island	CA	USA
US Navy Bremerton	WA	USA
US Navy Kings Bay	GA	USA
White Sands Missile Range	NM	USA



SHOOT HOUSES

Savage Range Systems Shoot Houses use a generous amount of steel plating for a virtually indestructible training environment. The robust design and construction allow multiple live-fire teams to operate simultaneously in different rooms safely, without rounds penetrating through walls.

Customize interiors with hallways, offices, bedrooms, bathrooms – anything to help simulate an operational setting. Target systems create the most realistic instructional environment possible. The modular design allows new floor plan scenarios. Safety, durability and flexibility make our shoot houses the superior choice.



BENEFITS

- 360-degree firing for all tactical training scenarios.
- Steel-bolted-to-steel lap joint design eliminates gaps and contains every ounce of splatter wherever the shooting takes place.
- An air gap between the plywood and steel plates provides ricochet protection. The lower gap allows for ease of cleaning of spent rounds.
- Flexible room configuration with the addition of optional ballistic slider and windows.
- Built on solid concrete foundations.
- We can provide 100 percent fully contained solutions for deficient Surface Danger Zone (SDZ).



ISO 9001:2015 Certified QM Registered Company

SavageRangeSystems.com | 800.370.0712





SPECIFICATIONS

- AR500 steel wall plate construction. All walls are clad for ricochet protection.
- Standard panels are 48" wide and 96" high. Other heights are available.
- Breachable doors on all openings.
- Railed observation catwalk provides a clear view of the rooms below and meets OSHA standards.
- Flexible room configuration with optional ballistic sliders.
- Pole barn option allows training in all weather conditions.
- Layouts configured for your unique training requirements.
- Guaranteed against defects in workmanship and materials for a period of one year.



OPTIONS

Wall Cladding/Ricochet Protection

- 1/2" Plywood
- Rubber Tile
- 7/8" Conveyor Belting

Structure Customization

- Sliding Ballistic Barriers to Alter the Layout
- Sliding Ballistic Windows
- Tactical Breach Doors
- Observation Catwalk
- Multi-Level Shoot House
- Pole Barn



DATE: DECEMBER 13, 2024
ADDENDUM #: 3
PROJECT: City of San Antonio – SAPD – Tactical and Firearms Expansion
12200 SE Loop 410 Acc Rd.
San Antonio, TX 78214
PROJECT INFO: Specifications Dated April 18, 2024
Project # 23-024
ARCHITECT: PFLUGER ASSOCIATES, LP
TO: ALL CONTRACT BIDDERS TO WHOM PLANS AND SPECIFICATIONS HAVE BEEN
ISSUED.



This addendum shall be considered part of the 100% Contract Documents for the above-mentioned project. All items in the drawings and specifications referenced herein shall be supplemented and modified as follows. Where provisions of the following supplementary data differ from those of the original Contract Documents, this Addendum shall govern and take precedence.

Addendum No. 3 consists of the following:

- Changes to Specification Section 11 67 23 Shooting Range Equipment

End of Addendum No. 3

Offerors are hereby notified that they shall make any necessary adjustments in their estimates on account of this addendum. It will be construed that each Offeror's proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

SECTION 11 67 23

SHOOTING RANGE EQUIPMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Law enforcement equipment.
- B. Turn-key design and construction services for the following:
 - 1. Ballistic Wall System.
 - 2. Acoustical Treatment.
 - 3. Fully Contained Range.
 - 4. Live Fire Shoot House.
 - 5. Portable Bullet Traps.
 - 6. Ballistic Rubber.
 - 7. Catwalk System
 - 8. Turning Target System

1.2 REFERENCES

- A. ASTM E 84 - Test method for the Surface Burning Characteristics of Building Materials.
- B. American Welding Society (AWS) D1.1 - Structural Welding Code - Steel.
- C. ASTM A514/A514M - Standard Specification for High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding.
- D. ASTM C136 - Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates.
- E. National Rifle Association (NRA) of America - The NRA Range Source Book.
- F. Environmental Protection Agency (EPA) - Best Management Practices for Lead at Outdoor Shooting Ranges.
- G. Test Report: Ballistic Standards by Product, dated December 31, 2008 by Range Systems.
- H. ASTM E90 - Laboratory Sound Transmission Class
- I. CEHNC 1110-1-23, USACE Design Manual for Ranges - <http://www.hnd.usace.army.mil/rdg/InterTemplate.aspx>.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- B. Shop Drawings: Submit shop drawings prepared by the manufacturer showing plans, sections, elevations, layouts, profiles, and product component locations, including anchorage, bracing, fasteners, accessories, and finishes.
- C. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- D. Closeout Submittals: Provide manufacturer's maintenance and operation instructions that include recommendations for periodic checking and adjustment of systems and maintenance of all components. One year warranty on manufacturing defects.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer shall have a minimum of 5 years manufacturing similar equipment, and be a certified contract holder for the General Services Administration (GSA) with a current license.
- B. Installer Qualifications: Minimum 2 years experience installing similar equipment and acceptable to the equipment manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
- C. Store materials protected from exposure to rain, snow or other harmful weather conditions.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside the manufacturer's absolute limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers:
 - 1. Armored Range; www.armoredrange.com
 - 2. MGM Targets, www.mgmtargets.com
 - 3. Range Systems, www.range-systems.com
- B. Substitutions: Permitted for product manufacturer of similar performance.
- C. Requests for substitutions will be considered in accordance with the provisions of
 - 1. Section 01 25 13 - Product Substitution Procedures.

2.2 SYSTEM DESIGN AND INSTALLATION SERVICES

- A. Provide the following services in connection with the delivery of ballistic range systems:
 - 1. Sales and Customer Support: Provide knowledgeable customer service and sales staff familiar with the requirements of live fire shooting environments.
 - 2. Design: Provide design staff experienced in designing live fire environments, and the products used in those environments.
 - a. Design/Engineering/Architectural Services.
 - 3. Technical Support: Technical personnel shall have the experience and knowledge to provide equipment installation, on-site technical support, new equipment training, and operations and maintenance guidance.
 - a. Installation.
 - b. On-site Technical Support.
 - c. Maintenance Programs.
 - 4. Equipment shall be assembled entirely by mechanical fasteners. No on the job cutting or welding is permitted.

2.3 LIVE-FIRE SHOOT HOUSE: LAW ENFORCEMENT

(Owner will confirm design requirements and have final approval of system.)

- A. System: Standardized parts, Modular design, Armored protection, Shoot House components shall be interchangeable and reconfigurable.
1. Provide a 360 degree live fire environment in a fully modular, reconfigurable shoot house system as indicated by the drawings.
 2. Shoot house walls shall be designed to eliminate any possibility of shoot-through during live fire exercises and shall eliminate ricochet and splatter.
 3. Interior shoot house ballistic walls will consist of AR 500 ballistic plate steel, steel support tubing, steel support angle, connection bolts and anchors, and anti-ricochet ballistic rubber adhered directly to steel surface with "no air gap" between the rubber and steel wall.
 4. Connections between panels shall be mechanical (not welded) and include a dual external wall seam plate system to provide continuous ballistic protection.
 5. Shoot house shall be designed to be quickly assembled and disassembled using patented and ballistic tested fasteners.
 6. Catwalk system shall be modular and non-permanent attachment with bolts. Catwalk shall be galvanized steel and designed and constructed to carry a working load of 100psf and shall have railings installed on all sides.
 7. Shoot house shall include entry points such as breach and standard pre-hung doors. All doors shall be framed to allow installation of 36" wide x 80" high doors.
 8. Breach doors shall be capable of supporting mechanical, explosive, and shotgun breaches. Breach doors shall lead in and out of the shoot house, and withstand all operational and environmental requirements as specified.
 9. Components: Refer to drawings for scope and configurations. Construction may include, but is not limited to, the following elements:
 - a. Stairs as indicated.
 - b. Openings.
 - c. Exterior ballistic protection.
 - d. Battery ram breach doors
 - e. Prybar breach doors
 - f. Lighting by electrical.
 - g. Turning Target systems. (Provided by Owner)
 - h. Closed circuit camera system. (Provided by Owner)
 - i. Concrete slab by structural

2.4 TURNING TARGET SYSTEM

- A. Provided by Owner.

2.5 PORTABLE BULLET TRAPS

(Owner will confirm design requirements and have final approval of system.)

- A. Product: Encapsulator Trap.
1. Constructed of composite rubber and AR500 ballistic steel edges and backplate. Bullet stopping power up to standard 7.62mm and 5.56mm green tip. Confirm bullet stopping requirements with Owner. Unit shall unit disassemble to allow for transporting.

CoSA TACTICAL & FIREARM FACILITY
San Antonio Police Department
Project #23-024

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ADDENDUM #3

- B. Product: Portable Tactical Trap.
 - 1. Constructed of rubber composite and AR500 ballistic steel back plate with ballistic steel edges. Accommodates up to standard 7.62mm. ammunition. Shooting surface is 24 inches by 36 inches (610 mm by 914 mm) and bottom edge of trap is 36 inches (914 mm) off the floor. Overall unit height is 60 inches (1524 mm).

2.6 BALLISTIC RUBBER PROTECTION MATERIAL

- A. Product: Anti-ricochet protection for use as part of the Encapsulator system. Made of patented rubber composite. Each panel measures 24 inches by 24 inches by 2 inches (610 mm by 610 mm by 51 mm).
- B. Product: Noise control panel. Panel shall disrupt sound wave patterns resulting in a reduction of reverberation. Panel shall assist with noise abatement.
Minimum NRC = .65.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until exterior locations, structure and installation surfaces have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 11 67 23