

South Texas College
Board of Trustees
Facilities Committee
Ann Richards Administration Building, Board Room
Pecan Campus
Tuesday, November 10, 2020
@ 5:00 PM
McAllen, Texas

"At anytime during the course of this meeting, the Board of Trustees may retire to Executive Session under Texas Government Code 551.071(2) to confer with its legal counsel on any subject matter on this agenda in which the duty of the attorney to the Board of Trustees under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with Chapter 551 of the Texas Government Code. Further, at anytime during the course of this meeting, the Board of Trustees may retire to Executive Session to deliberate on any subject slated for discussion at this meeting, as may be permitted under one or more of the exceptions to the Open Meetings Act set forth in Title 5, Subtitle A, Chapter 551, Subchapter D of the Texas Government Code."

- I. Approval of October 13, 2020 Facilities Committee Meeting Minutes..... 1 - 15
- II. Update on Status of Regional Center for Public Safety Excellence Indoor Target Range Project..... 16 - 50
- III. Update on Status of Unexpended Plant Fund Construction Projects and Renewals & Replacements Projects..... 51 - 56

Approval of Facilities Committee Meetings Minutes

The following Minutes for the Facilities Committee meetings are presented for Committee approval.

1. October 13, 2020 Facilities Committee Meeting

Meeting Minutes

Facilities Committee Meeting

October 13, 2020

**South Texas College
Board of Trustees
Facilities Committee
Ann Richards Administration Building, Board Room
Pecan Campus, McAllen, Texas
Tuesday, October 13, 2020 @ 4:30 PM
MINUTES**

The Facilities Committee Meeting was held on Tuesday, October 13, 2020 in the Ann Richards Administration Building Board Room at the Pecan Campus in McAllen, Texas. The meeting commenced at 4:52 p.m. with Mr. Gary Gurwitz presiding.

Members present: Mr. Gary Gurwitz, Mr. Paul R. Rodriguez, and Dr. Alejo Salinas, Jr.

Other Trustees present: Mr. Rene Guajardo

Members absent: Ms. Rose Benavidez

Also present: Dr. Shirley A. Reed, Mr. Jesus Ramirez, Mrs. Mary Elizondo, Mr. Ricardo de la Garza, Mr. David Perez, and Mr. Andrew Fish.

Approval of Facilities Committee Meetings Minutes

Upon a motion by Mr. Paul R. Rodriguez and a second by Dr. Alejo Salinas, Jr., the Minutes for the September 8, 2020 Facilities Committee meetings were approved as written. The motion carried.

**Review and Recommend Action on Authorization to Proceed with Solicitation of
Engineering Services for the Nursing and Allied Health Campus NAH East
Building A Exterior Stairs Repairs and Replacement**

Approval of authorization to proceed with the publication of a Request for Qualifications (RFQ) to solicit engineering services for the Nursing and Allied Health Campus NAH East Building A Exterior Stairs Repairs and Replacement project will be requested at the October 27, 2020 Board meeting.

Purpose

The Facilities Committee was asked to recommend approval of the solicitation of engineering services for the exterior stair repairs and replacement at the Dr. Ramiro R. Casso Nursing and Allied Health Campus NAH East Building A.

Justification

Solicitation of an RFQ for engineering services was necessary to procure a design team to prepare all necessary design development drawings and specifications in preparation for construction. Once the statements of qualifications were received, an evaluation team would evaluate the responses using the currently approved procurement process and propose an engineer to the Facilities Committee at a later date.

Scheduling Priority

This project was initiated in 2020 to maintain the safety conditions and code compliance of emergency evacuation routes. It was reviewed by the Facilities Planning & Construction and Facilities Operations & Maintenance departments. It was scheduled as a routine improvement to repair and replace exterior stairs that were in a deteriorated condition.

Background

The proposed Nursing and Allied Health Campus NAH East Building A Exterior Stairs Repairs and Replacement project was part of the College's FY 2020-2021 Renewals and Replacements projects. The project consisted of repairing and replacing the exterior stairs on the north side and west side of NAH East Building A. The existing stairs were constructed in 2000 and in need of repairs and/or replacement. The stairs function as part of the emergency exit routes out of the building, and their condition should be updated to ensure they function properly in the case of an emergency.

The total project budget was \$169,000 and itemized in the table below:

Nursing and Allied Health Campus NAH East Building A Exterior Stairs Repairs and Replacement Total Project Budget	
Budget Item	Budget Amount
Construction	\$150,000
Design	15,000
Miscellaneous	4,000
Total Project Budget	\$169,000

Funding Source

Funds for the Nursing and Allied Health Campus NAH East Building A Exterior Stairs Repairs and Replacement Project 2021-011R were budgeted in the Renewals & Replacements fund for available use in fiscal year 2020-2021.

Enclosed Documents

A site plan and photos of the existing stairs were included in the packet for the Committee's review and information.

Upon a motion by Mr. Paul R. Rodriguez and a second by Dr. Alejo Salinas, Jr., the Facilities Committee recommended Board approval of the solicitation of engineering services for the Nursing and Allied Health Campus NAH East Building A Exterior Stairs Repairs and Replacement project as presented. The motion carried.

**Review and Recommend Action on Authorization to Proceed with
Solicitation of Mechanical, Electrical, and Plumbing (MEP)
Engineering Services for the Regional Center for Public Safety
Excellence Additional Chiller Installation Project**

Approval of authorization to proceed with the publication of a Request for Qualifications (RFQ) to solicit mechanical, electrical, and plumbing (MEP) engineering services for the Regional Center for Public Safety Excellence Additional Chiller Installation Project will be requested at the October 27, 2020 Board meeting.

Purpose

The Facilities Committee was asked to recommend approval of the solicitation of MEP engineering services for the additional chiller installation at the Regional Center for Public Safety Excellence.

Justification

Solicitation of Request for Qualifications (RFQ) for MEP engineering services was necessary to procure a design team to prepare all necessary design development drawings and specifications in preparation for construction. Once the statements of qualifications were received, an evaluation team would evaluate the responses using the currently approved procurement process and propose an engineer to the Facilities Committee at a later date.

Scheduling Priority

This was a Capital Improvement Project requested by the Facilities Operations and Maintenance department to provide an additional chiller for redundancy of the air conditioning system at the RCPSE, and was reviewed by the Facilities Planning & Construction and Facilities Operations & Maintenance departments. It was scheduled as a non-educational space improvement to provide redundancy to maintain a properly operating air conditioning system in case of the existing chiller becoming inoperative.

Background

The proposed Regional Center for Public Safety Excellence Additional Chiller Installation project was part of the College's FY 2020-2021 Capital Improvement projects. The project consisted of installing an additional air-cooled chiller at the RCPSE. The additional chiller has been relocated from the Starr County Campus. The project was pending the installation of electrical, communication, and chilled water piping to make it operational. There was currently only one chiller in operation at the RCPSE. In the case of an issue or outage, an additional chiller was necessary to continue chilled water flow to the air conditioning system.

The total project budget was \$170,000 and itemized in the table below:

Regional Center for Public Safety Excellence Additional Chiller Installation Total Project Budget	
Budget Item	Budget Amount
Construction	\$150,000
Design	15,000
Miscellaneous	5,000
Total Project Budget	\$170,000

Funding Source

Funds for the Regional Center for Public Safety Excellence Additional Chiller Installation Project 2019-019C were budgeted in the Unexpended Construction Plant fund for available use in fiscal year 2020-2021.

Enclosed Documents

A site plan and photos were included in the packet for the Committee's review and information.

Upon a motion by Mr. Paul R. Rodriguez and a second by Dr. Alejo Salinas, Jr., the Facilities Committee recommended Board approval of the solicitation of MEP engineering services for the Regional Center for Public Safety Excellence Additional Chiller Installation Project as presented. The motion carried.

Review and Recommend Action on Contracting Engineering Services for the District Wide Automatic Door Openers Phase IV

Approval to contract engineering services for the District Wide Automatic Door Openers Phase IV project will be requested at the October 27, 2020 Board meeting.

Purpose

The procurement of an engineer would provide for design services necessary for the District Wide Automatic Door Openers Phase IV project.

Justification

The procurement of an engineer would allow for the engineer to work with staff to prepare all necessary design development drawings and specifications in preparation for the construction documents. Construction documents would then be issued for solicitation of construction proposals. Once received, construction proposals would be evaluated and submitted to the Board of Trustees with a recommendation to award a construction contract.

Scheduling Priority

This project was initiated to provide various building entrances with accessibility upgrades. It was reviewed by the Facilities Planning & Construction and Facilities Operations & Maintenance departments, and Administration. This project was scheduled as a necessary improvement to install automatic door openers to improve access to building entrances district wide for users with disabilities, who may have difficulties opening doors, and for assisting safety precautions.

Background

Although not required by current ADA code, automatic door openers were installed at high traffic building entrances as determined through coordination between the Facilities Operations & Maintenance and Facilities Planning & Construction departments, and the site coordinators. Staff surveyed all campus buildings to determine where the automatic door openers would be most beneficial due to their adjacencies to parking lots and other buildings with high traffic pedestrian use. The installation of these openers improves access for faculty, staff, and students with disabilities or who may have difficulty opening a standard exterior door. The door openers also minimize surface contacts with door hardware, providing for better safety precautions. The installations were divided into four phases, three of which had previously been completed. This would be the fourth and final planned phase of the installation of automatic door openers.

Automatic door openers were installed in three previous phases. Below is a summary of the phases:

Phase 1 – Completion in 2009 for a Total Cost of \$70,250		
Campus	Building	Quantity
Pecan Campus	H	2
	K	2
Mid Valley Campus	E	1
	F	1
	G	1
Nursing and Allied Health Campus	A	2
Technology Campus	A	1
	B	1
Starr County Campus	H	1
	E	2
Total	13	

Phase 2 – Completion in 2014 for a Total Cost of \$96,500		
Campus	Building	Quantity
Pecan Campus	A	1
	X	1
	C	1
	L	1
	G	1
	F	1
Mid Valley Campus	G	1
	D	1
	A	1
Technology Campus	A	2
	C	1
Starr County Campus	G	1
	E	2
Total		15

Phase 3 – Completion in 2019 for a Total Cost of \$128,000		
Campus	Building	Quantity
Pecan Campus	Y	2
	V	1
Mid Valley Campus	E	1
	F	1
	K	1
Nursing and Allied Health Campus	B	2
Starr County Campus	G	1
	H	1
	K	3
	L	1
Total		14

The proposed scope of work for the final Phase IV is summarized as follows:

Phase 4 – Budgeted Total of \$95,120		
Campus	Building	Quantity
Pecan Campus	G	2
	M	3
	L	1
Mid Valley Campus	C	1
Nursing and Allied Health Campus	A	1
	B	1
Starr County Campus	C	1
Total		10

Solicitation for engineering qualifications began on February 10, 2020, for the purpose of selecting an engineering firm to prepare the necessary plans and specifications for the District Wide Automatic Door Openers Phase IV Project. A total of eight (8) firms received a copy of the RFQ and a total of four (4) firms submitted their responses on February 27, 2020.

Timeline for Solicitation of Statements of Qualifications

February 10, 2020	Solicitation of statements of qualifications began.
February 27, 2020	Four (4) statements of qualifications were received.

This project was discussed with the Facilities Committee early in the COVID-19 pandemic, and was postponed due to uncertainties about priority and funding. Administration recommends proceeding with the project at this time. These automatic door openers will provide improved accessibility at high traffic areas and will also reduce physical contact required to open these frequently used doors.

The total project budget was \$95,120 and itemized in the table below:

District Wide Automatic Door Openers Phase IV Total Project Budget	
Budget Item	Budget Amount
Construction	\$85,000
Design	8,500
Miscellaneous	1,620
Total Project Budget	\$95,120

Funding Source

Funds for the District Wide Automatic Door Openers Phase IV Project 2020-019C were budgeted in the Unexpended Construction Plant Fund for FY 2020-2021.

Reviewers

The Requests for Qualifications were reviewed by staff from the Facilities Planning and Construction, Facilities Operations and Maintenance, and Purchasing departments.

Enclosed Documents

Site plans indicating the locations of the automatic door openers were enclosed. The evaluation team members provided a scoring and ranking summary.

Upon a motion by Dr. Alejo Salinas, Jr. and a second by Mr. Paul R. Rodriguez, the Facilities Committee recommended Board approval to contract engineering services for the District Wide Automatic Door Openers Phase IV with Ethos Engineering as presented. The motion carried.

Review and Action as Necessary on Acceptance of the Regional Center for Public Safety Excellence Evaluation of Existing Site Drainage Conditions Report and Authorization to Proceed with Design of Recommended Drainage Improvements

Approval of acceptance of the Regional Center for Public Safety Excellence (RCPSE) Evaluation of Existing Site Drainage Conditions Report and authorization to proceed with design of the recommended drainage improvements will be requested at the October 27, 2020 Board meeting.

Purpose

The acceptance of the RCPSE Evaluation of the Existing Drainage Conditions Report would acknowledge the findings and recommendations of the report prepared by Perez Consulting Engineers, LLC (PCE). The authorization to proceed with design of the recommended drainage improvements was needed to allow the engineer to move forward with design work for addressing the recommendations in the report.

Scheduling Priority

This was a Renewals & Replacements Project initiated in 2019 to address the drainage conditions at the RCPSE, and has been reviewed by the Facilities Planning & Construction and Facilities Operations & Maintenance departments, Administration, and the Board of Trustees. It was scheduled as a high priority improvement to maintain properly functioning facilities and mitigate the risk of property damage or loss.

Background

On August 27, 2019, the Board approved contracting engineering services with PCE to evaluate the site drainage conditions, make recommendations for improving the drainage conditions, and develop construction documents.

PCE completed the Hydrologic and Hydraulics (H&H) Report and presented their findings at the Facilities Committee meeting. The report included an evaluation of the adequacy of the existing site drainage and detention, and recommendations for improvements to site drainage. Findings in the report are summarized below:

- The existing underground storm sewer has been found to be adequate with the exception of three (3) culverts, but those culverts are currently being addressed with the ongoing Cityscape construction improvements.
- The existing detention facilities have been found to have an inadequate capacity. Hidalgo County Drainage District No. 1 (HCDD1) requires a storage volume of 7.29 acre-feet to satisfy existing conditions, and the existing detention pond has a storage volume of 5.43 acre-feet. Upon completion of the Cityscape construction improvements the detention storage volume will be increased to 5.63 acre-feet, but additional detention storage volume will still be needed at the RCPSE. The proposed options would meet this additional need.

Recommendations in the report are summarized below:

- A new drainage outfall into the HCDD1 drainage ditch, which ultimately discharges into the Main Floodway, will be required as the campus continues to develop in order to provide the required discharge to accommodate the ultimate buildout of the campus master plan. An additional outfall would decrease the required detention volume as more water is able to be discharged.
- Improving detention facilities to meet detention volume requirements from HCDD1, and accommodate future growth at the RCPSE. As more facilities are added to the RCPSE site, such as the future target range, the requirements for drainage and detention volume increase. The maximum required capacity would be reached upon completion of the master plan, as summarized in Option 4.

Options for Detention Facilities Improvements

PCE identified the following options to address current and/or future detention volume requirements:

Options to Address Current Detention Volume Requirements

The Following options, 1 and 1A, are provided to meet current facility requirements for detention volume. They are the most immediate and cost-effective options to meet current needs. Additional outfall required to support future expansion is not included in these options.

Option 1: Increase current detention volume to 7.63 Acre-Feet

- Meets 50-Year Flood levels, minimum HCDD1 requirement for current facilities.

Engineer's Opinion of Probable Cost: \$66,380

Option 1A: Increase current detention volume to 8.12 Acre-Feet

- Meets 100-Year Flood levels, exceeding HCDD1 minimum requirement for current facilities.
- PCE recommends this option, due to two recent storm events above the 100-year storm level.

Engineer's Opinion of Probable Cost: \$84,290

Options to Address Future Detention Volume Requirements

The following options, 2, 3, and 4, are provided to identify future facility requirements for site drainage.

- Each option would include increasing the drainage discharge to adjacent systems with the installation of an additional drainage outfall.
- The new drainage outfall would reduce required detention volume requirements.
- The detention volume of existing detention ponds and new conveyance swales would safely exceed the 100-Year Flood levels.

Option 2: Installation of New Drainage Outfall

- The new outfall would connect with existing detention ponds via constructing a new conveyance swale.

Engineer's Opinion of Probable Cost: \$268,000

Option 3: Installation of New Drainage Outfall and connection to Target Range site

- Option 2, plus drainage support system for the proposed Target Range project.

Engineer's Opinion of Probable Cost: \$341,860

Option 4: Installation of New Drainage Outfall and Drainage Support for Full Master Plan

- Option 2, plus drainage support systems for all future facilities proposed under the Master Plan.

Engineer's Opinion of Probable Cost: \$875,040

Administration Recommendation

Based on the recommendations in the report, staff recommended to proceed with Option 1A for the design of construction documents for the recommended site drainage improvements. Additionally, staff recommended using the remaining options contained in the report as the basis for future phases of drainage improvements, to be implemented as necessary as the College constructs more of the RCPSE master plan.

While Option 1A would provide for detention volume in excess of minimum requirements, upon the installation of additional drainage outfall, the detention ponds would be incorporated into future site development and would continue to provide valuable detention volume in the event of heavy flooding.

Project Timeline

- PCE approved as engineer of record to evaluate drainage conditions, make recommendations, and design construction documents
- Approval of recommended drainage improvement options
- Engineer to develop construction documents for the improvements
- Solicitation for construction services for the improvements

Funding Source

Funds for the RCPSE Site Drainage Improvements Conditions Project 2020-022C were budgeted in the Unexpended Plant Fund budget for FY 2020-2021.

Enclosed Documents

An executive summary and a presentation were included in the packet for the Committee's review and information.

Presenters

David Perez of Perez Consulting Engineers, LLC attended the meeting to present the findings of the report and respond to questions from the Committee.

Upon a motion by Mr. Paul R. Rodriguez and a second by Dr. Alejo Salinas, Jr., the Facilities Committee recommended Board approval to accept the Regional Center for Public Safety Excellence (RCPSE) Evaluation of Existing Site Drainage Conditions Report prepared by Perez Consulting Engineers, LLC and authorization to proceed with design of Option 1A drainage improvements as recommended by administration. The motion carried.

Review and Recommend Action on Approval of Substantial Completion of the Pecan Campus Sand Volleyball Court Sand Replacement

Approval of substantial completion of the Pecan Campus Sand Volleyball Court Sand Replacement Project will be requested at the October 27, 2020 Board Meeting:

Project		Completion Recommended	Date Received
1.	Pecan Campus Sand Volleyball Court Sand Replacement Project No. 2016-014C1 Contractor: Limon Masonry, LLC	Substantial Completion Recommended	October 6, 2020

This project was reviewed by the Facilities Planning & Construction department, the President's Cabinet, the Coordinated Operations Council, the Facilities Committee, and the Board of Trustees. This project was scheduled as an educational space improvement to remove and replace the existing sand material at the sand volleyball courts.

College staff visited the site and developed a construction punch list on October 7, 2020. A Certificate of Substantial Completion has been issued. Substantial Completion was accomplished within the time allowed in the Owner/Contractor agreement for this project by Limon Masonry, LLC. The original cost approved for this project was \$48,200.

The following table summarizes the current budget status:

Pecan Campus Sand Volleyball Court Sand Replacement					
Construction Budget	Approved Proposal Amount	Net Total Change Orders	Current Project Cost	Previous Amount Paid	Remaining Balance
\$50,000	\$48,200	\$0*	\$48,200	\$15,282	\$32,918

*Pending change proposal from contractor

Enclosed Documents

A copy of the Substantial Completion Certificate and photos were included in the packet for the Committee's review and information.

Upon a motion by Mr. Paul R. Rodriguez and a second by Dr. Alejo Salinas, Jr., the Facilities Committee recommended Board approval of substantial completion of the Pecan Campus Sand Volleyball Court Sand Replacement Project as presented. The motion carried.

Review and Recommend Action on Approval of Final Completion of the Nursing and Allied Health Campus West Entry Sign

Approval of final completion of the Nursing and Allied Health Campus West Entry Sign Project will be requested at the October 27, 2020 Board Meeting:

Project		Completion Recommended	Date Received
1.	Nursing and Allied Health Campus West Entry Sign Project No. 2019-013C Contractor: Limon Masonry, LLC	Final Completion Recommended	September 24, 2020

This project was reviewed by the Facilities Planning & Construction department, the Coordinated Operations Council, the Facilities Committee, and the Board of Trustees. This project was scheduled as a non-educational space improvement to provide identification and branding of the NAH West & Simulation Center Building B.

Final Completion, including punch list items, was accomplished as required in the Owner/Contractor agreement for this project. It was recommended that final completion and release of final payment for this project with Limon Masonry, LLC be approved. The original cost approved for this project was \$58,800.

The following chart summarizes the above information:

Nursing and Allied Health Campus West Entry Sign					
Construction Budget	Approved Proposal Amount	Net Total Change Orders	Final Project Cost	Previous Amount Paid	Remaining Balance
\$75,000	\$58,800	\$0	\$58,800	\$55,860	\$2,940

On September 24, 2020, College staff verified that all punch list items were completed.

Enclosed Documents

A copy of the final completion letter was provided for the Committee's review and information.

Upon a motion by Mr. Paul R. Rodriguez and a second by Dr. Alejo Salinas, Jr., the Facilities Committee recommended Board approval of final completion and release of final payment of \$2,940 to Limon Masonry, LLC for the Nursing and Allied Health Campus West Entry Sign Project as presented. The motion carried.

Update on Status of Unexpended Plant Fund Construction Projects and Renewals & Replacements Projects

The Facilities Planning and Construction staff prepared the attached design and construction update. This update summarizes the status of each capital improvement and renewals & replacements project currently in progress, including a categorization based on priority. Mary Elizondo and Rick de la Garza will be present to respond to questions and address concerns of the committee.

Adjournment

There being no further business to discuss, the Facilities Committee Meeting of the South Texas College Board of Trustees adjourned at 5:21 p.m.

I certify that the foregoing are the true and correct minutes of the October 13, 2020 Facilities Committee Meeting of the South Texas College Board of Trustees.

Mr. Gary Gurwitz, Presiding

Update on Status of the Regional Center for Public Safety Excellence Indoor Target Range Project

As part of the Regional Center for Public Safety Excellence Master Plan, the College plans to construct a safe, well-managed, state-of-the-art indoor target range to serve as an instructional training facility for students, law enforcement, and the public, in compliance with all current target range standards.

In preparation for the design of the facility, two planning charrettes were held on Wednesday, November 4, 2020 and on Thursday, November 5, 2020 with representatives from local governments and various federal, state, and local law enforcement agencies. Their input was requested to determine how best to meet the needs of the public and the agencies that will use the target range. The range will support training, instruction, and officer/agent qualification needs.

The charrettes were held at the Pecan Campus Cooper Center for Performing Arts and were also hosted on Zoom for those who could not participate in person. PBK Architects and Mark Graham of G2 Solutions conducted the charrettes. Valuable comments and input were provided by the participants.

The charrettes provided information from the participants such as:

- The 50-yard length of the lanes is sufficient for qualification tests
- Multiple range areas would be ideal to serve multiple agencies at once
- There are over 50 local, state, and federal agencies in the area that require annual qualifications for their officers and agents
- There is interest from various agencies to use the proposed facility, and assist in this initiative regarding review of design scope and requirements
- Agencies would also like to utilize a room for defensive training

Next steps for the indoor target range:

- South Texas College, in partnership with PBK Architects and G2 Solutions, will develop and issue a survey to all of the local, state, and federal entities for additional input
- Use survey and charrette input and information to develop an updated schematic plan, and forward it to the agencies for comments
- Determine the scope and cost for the facility
- Develop partnerships with local, state, and federal agencies

General preliminary information for the proposed target range (Project 2019-015C):

- Architect
 - PBK Architects
 - G2 Solutions
- Proposed Project Budget
 - \$5,000,000
- Program Scope
 - Phase I**
 - 15,931 square feet
 - 1 Floor
 - Twelve 50-Yard Lanes with Bullet Trap Area
 - Two (2) Classrooms. Each Seating 24, with Operable Dividing Wall
 - Lobby Entry with Reception/Check-In
 - 3 Offices
 - Range Control Room
 - Range Staging Area
 - Personal Locker Area
 - Secured Storage Room
 - Weapon Cleaning Room
 - Storage Closets
 - Restrooms
 - Janitor Closet
 - Electrical Room
 - Phase II**
 - 11,929 square feet
 - 1 Floor
 - Five 100-Yard Lanes with Bullet Trap Area
 - Range Control Room
 - Range Staging Area
 - Secured Storage Room
 - Single-Use Restroom

Enclosed are the charrette presentation consisting of preliminary schematic plans which include the master site plan, floor plans, program test fits with space requirements, building sections of the target range, and exterior views of the building, and a list of the individuals invited to attend the charrettes, both in person and remotely, and the agencies and municipalities they represent.

No action is required from the Committee. This item is presented for information and feedback.

Regional Center for Public Safety Excellence Indoor Shooting Range Charrette

Wednesday, November 4th, 3:00 PM
Thursday, November 5th, 9:00 AM

Hosted by: South Texas College, G-2 Solutions Group Inc., and PBK Architects Inc.

Welcome

Dr. Shirley Reed, President of South Texas College

Introductions

Purpose of Charrette

Moderators

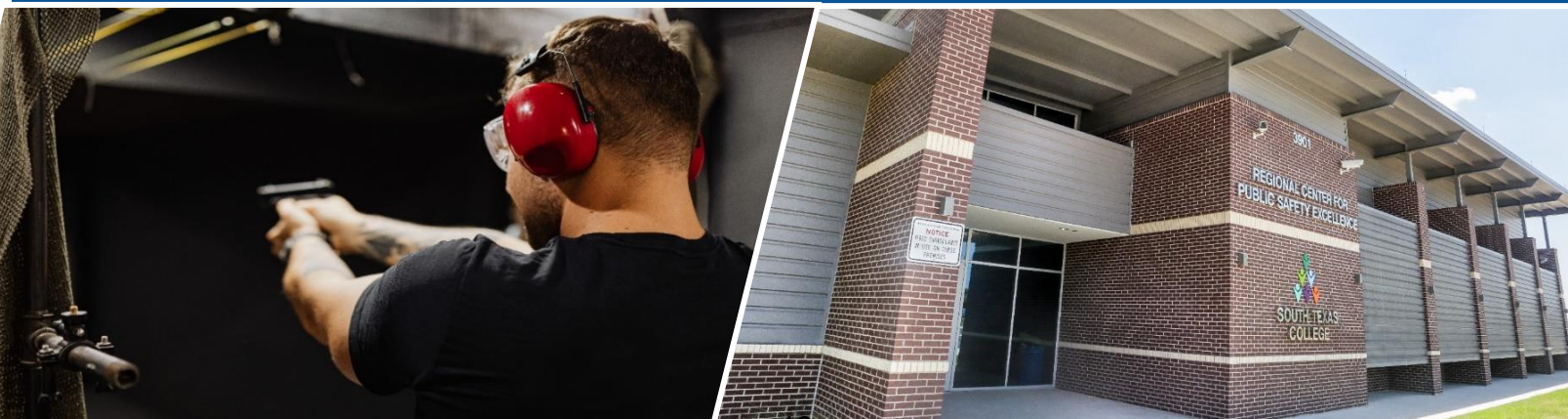
Mark Graham, President, G2 Solutions Group Inc.
David Iglesias, Client Executive, PBK Architects Inc.
Sarah Bustamante, Associate II, PBK Architects Inc.

Next Steps

Dr. Shirley Reed, President of South Texas College

Expression of Appreciation

Closing



RCPSE Indoor Shooting Range Charrette Participants

Representing: Cities				Wed. 11/4 @3pm	Thur. 11/5 @9am
CITY	MEMBER				
City of Edinburg	Mr. Ron Garza, City Manager				
City of McAllen	Mr. Roel "Roy" Rodriguez, City Manager				✓
City of Mission	Mayor Armando Ocaña				✓
	Officer Chapa, Assistant Range officer				✓
	Mayor "Amos" Hernandez		✓		
City of Pharr	Mr. Edward M. Wylie, Interim City Manager		✓		
	Anali Alanis, Assistant City Manager		✓		
	Ms. Cynthia Garza, Director of External Relations		✓		
City of Weslaco	Mr. Mike Perez, City Manager				✓
Representing: City Police Departments					
CITY	MEMBER				
Edinburg	Chief Cesar Torres				
McAllen	Chief Victor Rodriguez		✓		
Mission	Chief Robert Dominguez				✓
Pharr	Chief Andy Harvey Jr.		✓		
Weslaco	Chief Joel Rivera		✓		✓
Rio Grande City	Chief Noe Castillo				✓
Roma	Chief Jose H. Garcia				
Representing: County					
COUNTY	MEMBER				
Hidalgo	Sheriff J.E. "Eddie" Guerra				
	Mario Lopez, Chief Deputy				
Starr	Sherriff Rene "Orta" Fuentes				
	Larry Fuentes, Chief Deputy				
Representing: Education Agencies					
AGENCY	MEMBER				
University of Texas Rio Grande Valley	Chief Adan Cruz		✓		✓
South Texas College	Interim Chief of Police, Lt. Ruben Suarez		✓		
La Joya ISD	Chief Raul Gonzalez				✓
PSJA ISD	Chief Rolando Garcia				
Edinburg CISD	Chief Ricardo Perez, Jr.				
McAllen ISD	Chief Cris Esquivel		✓		
Representing: Federal Agencies					
AGENCY	MEMBER				
U.S. Customs and Border Protection	Ysela M. Arechiga, Asst. Director, Laredo Field Operations				✓
	Mr. Carlos Rodriguez, Port Director Hidalgo/Pharr/Anzalduas		✓		✓
Department of Homeland Security	Ms. Isabel Lugo, DHS Regional Coordinator for TX		✓		✓

RCPSE Indoor Shooting Range Charrette Participants

			Wed. 11/4 @3pm	Thur. 11/5 @9am
U.S. Marshals Service	Mr. Daniel Flores, Assistant Chief Deputy Marshal			✓
RGV Border Patrol Sector	Chief Brian Hastings			
Bureau of Alcohol, Tobacco, Firearms and Explosives	Mr. Cesar A. Zambrano, ATF Resident Agent in Charge	✓		
Representing: State Agencies				
AGENCY	MEMBER			
Texas Department of Public Safety	Mr. Victor Escalon, Regional Director	✓		
Trainers				
AGENCY	TRAINING COORDINATORS			
Hidalgo County Sheriff's Office	Sgt. Fred Perez			✓
McAllen Police Department	Sgt. Roberto Del Angel			
Pharr Police Department	Sgt. Miguel Reyes			
Mission Police Department	Lt. David Meza	✓		
Edinburg Police Department	Lt. Michael Cerda			
Weslaco Police Department	Sgt. Brooks Ditto	✓		
Representing: South Texas College				
NAME	TITLE			
Dr. Shirley Reed	President	✓		✓
Paul R. Rodriguez	Board Chairman	✓		
Dr. David Plummer	VP, Information Svc., Planning, Performance & Strategic Init.			✓
Ms. Sara Lozano	Dean for Business, Public Safety and Technology	✓		✓
Mr. Jose Moroles	Director, Regional Center for Public Safety Excellence	✓		✓
Mr. Robert Vela	Program Chair, Fire Science, Police Academy	✓		✓
Mr. Ricardo de la Garza	Director of Facilities Planning and Construction	✓		✓
Mr. Robert Cuellar	Associate Director of Facilities Planning & Construction	✓		✓
Mr. David Valdez	Facilities Planning and Construction Project Manager	✓		✓
AGENCY				
TRAINING COORDINATORS				
G2 Solutions Group, Inc.	Mark Graham, President	✓		✓
PBK Architects, Inc.	David I. Iglesias, Client Executive	✓		✓
PBK Architects, Inc.	Sarah Bustamante, Associate II	✓		✓
		27		25

Exterior Design

The exterior construction of the shooting range building can be either constructed of “Tilt-Up” concrete walls or solid-grouted masonry. The shooting range building will be constructed with a secondary exterior façade wall that compliments the other campus buildings in color and forms. The walls will be load-bearing walls. Additional architectural features such as windows, trims, and accents can be incorporated to enhance the overall aesthetics.



The interior area of the shooting range building is an acoustic and ballistic separated space environment for the safe use and training of live firearms. The entire space is fitted with various equipment and elements to provide for safety in all aspects of firearm instruction including handguns, rifles and shotguns.

The interior range area: The second range will have fifteen (15) lanes of 50-yard distance for instruction of all firearms. This range will have a tactical training area extending to the 25-yard line from the target line which will prevent any errant ballistic vertical misfires.

A selected range vendor will be installing their systems as further described below. The MEP elements will be coordinated for installation in harmony with the range equipment.

Firing Range Training

50-yard handgun and shotgun firearms training utilizing a fixed target line and advancing firing line.

- Fixed 50-Yard Shooting Distance
- 25-Yard full tactical or lateral firing capabilities.

Tactical Ballistic Walls

The front 25-Yards of the range will be designed to accommodate full tactical firearms training. The exterior perimeter walls will be fully grouted CMU or tilt-up concrete. These walls will be protected with a ballistic composite material with steel plate to a height approximately 9'-0" or bottom of the suspended ballistic baffles.

Shooting Range Roof / Ceiling

The roof / ceiling configuration will be comprised of a concrete slab roof on metal deck over steel structure protected by a series of suspended angled ballistic baffles. The roof structure shall be designed to accommodate a minimum suspended weight of 45 lbs./SF. The baffles will be an air-space composite of AR 500 steel plate angled to re-direct ballistic rounds. The underside will have secondary composite

material to prevent ricochet and spatter. In addition to protecting the structure from ballistic impact, the suspended baffles will protect the HVAC and Electrical systems above.

Shooting Range Floor

The floor of the range shall be smooth finished reinforced concrete slab. All control and expansion joints will be sealed. The floor shall have proper lane markings for both distance and width. The entire floor area shall be sealed with a roll-on applied or spray-applied sealer to prevent the migration of lead into the porous concrete.

Acoustical Separation

The exterior walls and roof structure of the range will have additional acoustic dampening and absorbing applications.

- Roof: The underside of the exposed roof and structure shall have a spray-applied acoustic material similar to a monocoat system. Material shall be placed on all steel members and metal deck systems to reduce interior echo and reverberation.
- Interior walls of the range will have a surface applied rigid acoustic membrane system extending from the floor level to the underside of the ballistic baffles.
- Suspended Baffles: The underside of the re-directive ballistic baffles will have surface applied rigid acoustic membrane applied. This also serves to eliminate ricochet and spatter.
- Exterior Wall: To reduce ambient noise to adjacent or outdoor areas, a secondary wall or face brick material should be applied with a fibrous-filled air-gap between elements.

Range Equipment – Bullet Trap

There are two (2) predominant types of bullet containment traps to be considered.

- The Steel Containment shall be of a typical inverted “V” steel trap designed to capture ballistic rounds via a deceleration chamber. The trap is construction of 3/8” AR 500 steel.
- The Elevated Rubber Media bullet trap shall be of an inclined steel frame with a of 3/8” AR 500 steel backstop. The backstop is filled with 18”-24” deep field of rubber media designed to absorb bullet rounds.

Range Equipment – Targeting Equipment

The targeting systems in each bay will include a Laptop PC-based programmable control system (located in the range control room), utilizing electric or pneumatic actuators for fixed-position, turning targets and dual running man targets. The targeting system will be interfaced with the target lighting / dimming system. The targeting system will allow remote control of target courses from within the range area.

Support Equipment – Sound System

Communication between the control room and the range will be facilitated by a two-way intercom system. In addition, more sophisticated sound system capability in each bay will allow use of prerecorded training sounds to facilitate situational firearms training scenarios.

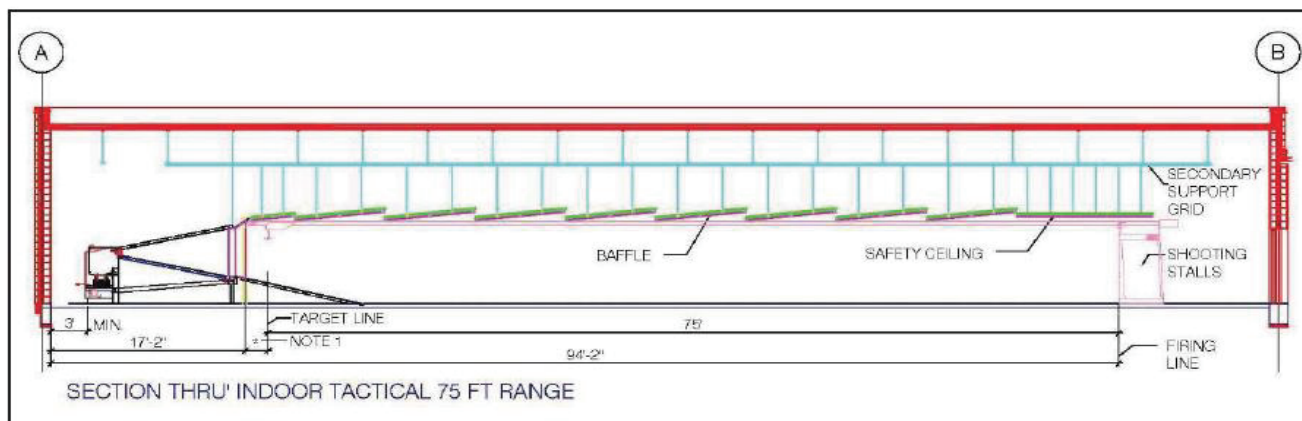
Support Equipment – Portable Bleachers

Prefabricated aluminum riser seating for 20 people

Product: Overhead Range Ballistic Protection

Location: Shooting Range

Function/Application: The range will be protected on all sides from errant rounds. The roof is protected using a series of suspended baffles spaced for tactical and fixed line shooting. The tactical provides 100% protection of vertical errant shots while the fixed line provides "0" daylight. The underside of baffles will be faced with acoustic panels.



Product: Sidewall Ballistic Protection

Location: Shooting Range

Function/Application: The side walls of the range will be installed with a ballistic material that, while able to absorb errant ballistic rounds, also offers an acoustic baffling which reduces the noise levels and echoes within the range area.

RB RUBBER PRODUCTS
A Subsidiary of DASH MULTI-CORP

MADE IN THE USA

Ballistic Tile

Intended Uses (Applications)

- Indoor/Outdoor Shooting Range
- Military Training
- Gun Clubs
- Law Enforcement
- Security
- Firing Ranges

Benefits

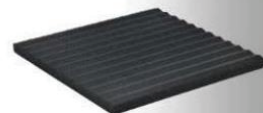
- Assists in ricochet reduction
- 1 1/2 inch thick self-sealing rubber
- Manufactured specifically for added safety in firing ranges
- Durable and resilient
- Reduces noise levels
- 100% Recycled Rubber
- Looks great round after round

Currently In Use At The Following Facilities

- California Highway Patrol- Sacramento
- Border Patrol – San Diego, CA
- Orange County Sheriff's Dept.
- DOD – Homeland Security Training Division – New Mexico

PARAGON TACTICAL

N-Gage™ Ballistic Rubber Wave Tile
Product Code(s): BMT-7100, BMT-7150, BMT-7200



PRODUCT NAME	N-Gage™ Ballistic Rubber Tile <i>For superior ballistic surface protection.</i>		
PRODUCT DESCRIPTION	The N-Gage BMT 7000 series is a ballistic rubber tile with a wave surface that offers a versatile design for range baffle and sidewall applications. The wave design is used for both ballistic protection and sound attenuation around bullet traps, firing ranges, safety walls, targetry shields and other areas where durable surface protection is required in a live fire training environment.		
PRODUCT NO. / CATALOG CODE	BMT-7100	BMT-7150	BMT-7200
DIMENSIONS / SIZE	□ 24" X 24" X 1.0" 0.75" thick at low point	□ 24" X 24" X 1.5" 1.25" thick at low point	□ 24" X 24" X 2.0" 1.75" thick at low point
WEIGHT	19 lbs	29 lbs	38 lbs
COLOR(S)	BMT-7xx0 (standard is Black)		
FEATURES	<input type="checkbox"/> High density rubber compound (density of approx 60 lbs per ft.) <input type="checkbox"/> Recommended application consists of a laminate method using rubber tile, OSB wood and AR rated steel plating <input type="checkbox"/> Molded via pressurized heat form & bonding compounds ("hot process")		
BENEFITS	<input type="checkbox"/> Eliminates ricochets and lead "splashback" <input type="checkbox"/> Minimizes airborne lead pollution <input type="checkbox"/> Reduces both indoor and outdoor noise levels <input type="checkbox"/> Each tile can take up to approximately 2000-3000 rounds before needing replacement (based on tile thickness, application and type of caliber)		
WARRANTY	One (1) year warranty on material and manufacturing defects <i>Since we cannot control the use of our products, we neither imply nor accept any liability for the misuse of the product</i>		
INSTALLATION	<input type="checkbox"/> Attached with finish nails, screws or adhesive <input type="checkbox"/> For use on Indoor or Outdoor applications <input type="checkbox"/> Call for price quote and availability		
CUSTOM ORDERS	Other sizes and types are available; pure acoustical tiles also available Call for availability of additional or custom ballistic tiles and designs		
MSRP	Call for Pricing		
ADDITIONAL INFORMATION	Please visit www.ParagonTactical.com or call PH: 800-482-6994 (U.S.) Paragon Tactical, Inc. 1580 Commerce Street, Corona CA, 92880		

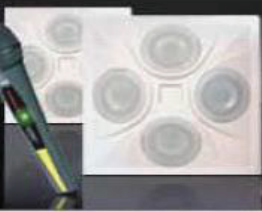

Product: **Public Address System**

Location: **Shooting Range**

Function/Application: The public address system will allow audible sound to be heard within the range during exercises. The system is equipped with a desktop microphone within the control room, as well as a wireless microphone for the instructor. An electronic timer is incorporated as part of the system, which can provide an audible alarm for timed events.

Commercial System Solutions

Everything you need in one box.



NAVIGATION HELPER: Home » Commercial Sound Systems » Public Address System

Public Address System 6 Input 120 Watt Mixer Amp, 30 Watt Wide Coverage Microphone



[Click on the image to enlarge](#) Avg Rating: ★★★★★

Electro-Voice PA Systems, ideal for 1000-1500 people gathered within an . vocal clarity and coverage are essential. Typical applications are football, I stadiums, race tracks and parking areas.

Public Address and Stadium Systems, ideal for 1000-1500 people gathered within . vocal clarity and coverage are essential. Typical applications are football, baseball . tracks and parking areas.

These quality stadium sound systems are designed with excellent voice reproduction unidirectional dynamic microphone-an outstanding vocal microphone. It maintains throughout its frequency range, ensuring high gain before feedback and rejection c for stadium PA systems.

Atlas Sound AA120 amplifier incorporated in the system is designed to meet expect purpose; a powerful 120 Watt amplifier engineered with unique features to assist t today's commercial business audio environment. This unit has 6-channels, bridge i balanced link/internal relay, Zone 2-MOH Out from CH6 Line source, remote or VO:

Product: **Portable Aluminum Bleachers**

Location: **Shooting Range**

Function/Application: Portable bleachers provide seating within the range area. The ability to tip and roll the bleachers allows the instructor the flexibility to move the units where instruction will be performed.

Tip-n-Roll Bleachers:

- Manufactured in the USA
- Available in 3 row and 4 row configurations
- Lightweight Aluminum Structure
- 4" casters on each frame
- NoMar skids to protect the surface below



To order your bleachers today:
call 800.875.3141 or email salesdept@allstarbleachers.com

Our Tip-n-Roll Bleachers are available in the these sizes:

Item	R	H	Sts	D	Description	Wt
6A3S7.5	3	24'	15	5'	aluminum bleacher, 6" rise, 12" seat board, 7'6" length	222
6A3S15	3	24'	30	5'	aluminum bleacher, 6" rise, 12" seat board, 15' length	356
6A3S21	3	24'	42	5'	aluminum bleacher, 6" rise, 12" seat board, 21' length	503
6A3S27	3	24'	54	5'	aluminum bleacher, 6" rise, 12" seat board, 27' length	621
6A4S7.5	4	30'	20	7'	aluminum bleacher, 6" rise, 12" seat board, 7'6" length	269
6A4S15	4	30'	40	7'	aluminum bleacher, 6" rise, 12" seat board, 15' length	440
6A4S21	4	30'	60	7'	aluminum bleacher, 6" rise, 12" seat board, 21' length	618
6A4S27	4	30'	72	7'	aluminum bleacher, 6" rise, 12" seat board, 27' length	767

Product: Range Hand Washing Sink

Location: Shooting Range

Function/Application: Tests show that lead contamination to people occurs with the transfer of contaminants from the hands. The design includes this style of sink which accommodates multiple personnel before they enter back into the building.

Bradley

Commercial Washroom Innovation

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Classic Washfountain

54" Semi-circular with 9" Deep Bowl (Terrazzo)

Model WF2604

- Designed For Heavy Duty Hand Washing
- Foot Control or Infrared Sensor Operation
- Precast Terrazzo

Semi-circular model accommodates up to 4 users at a time. All models utilize less water, energy, and space than lavatories equipped with conventional faucets. A simple, mechanical foot valve or an infrared sensoractivated solenoid valve controls the non-sectional sprayhead. The operating range is 20-80 PSI. Approximate flow-rate is 3 GPM

Classic Washfountain

Product: Bullet Resistant Doors & Windows

Location: Shooting Range Control Room

Function/Application: The control room is a key element to the operations and security of the shooting range. Optimal vision of the range and quick access is essential. To ensure safety, all construction surrounding the Control Room will be protected from errant ballistic rounds.

ARMORTEX® INC.
BULLET • BLAST • FORCED-ENTRY PROTECTION PRODUCTS



▼ Products

▼ Bullet Resistant Products

▶ Doors

▼ Windows & Glazing

▶ Transaction Windows

▶ Fixed Windows

▶ Hollow Metal

▶ Aluminum Fixed Depth

▶ Glazing

▶ Composite Panels

▶ Transaction Equipment

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▶ Bullet/Blast Storefront Systems

▶ Weaving/Textiles

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Fixed Windows



ARMORTEX® HOLLOW METAL FIXED WINDOWS

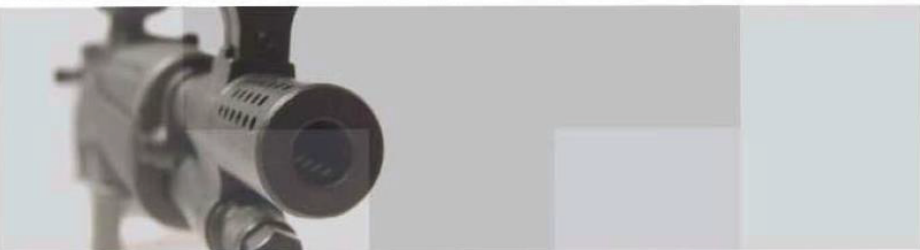
Armortex® manufactures this unit in 16 ga. prime painted hollow metal or optional stainless steel. It is available in all protection levels, glazing types and sizes and is designed for interior or exterior wall applications. Ganged frames can be used for storefront applications or complete interior wall sections. This unit is available with a split frame and a "Natural Voice" design. [more...](#)



ARMORTEX® ALUMINUM FIXED DEPTH, FIXED WINDOWS

This clear, anodized extruded frame is manufactured for all glazing types up to 1-3/4" thick, levels 1, 2, or 3. Available in all sizes, single and multiple lights for interior applications. The frame depth is 4-1/2" with a 1-1/2" profile. [More..](#)

ARMORTEX® INC.
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▼ Products

▼ Bullet Resistant Products

▼ Doors

▶ Wood

▶ Hollow Metal

▶ Windows & Glazing

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Hollow Metal Doors



Armortex® Bullet Resistant Hollow Metal Door and Frame assemblies are complete and prehung with a heavy duty continuous hinge and are available in all protection levels, including armor-piercing protection. Required hardware preparation is completed prior to shipping. All glazing configurations and types are available as well as custom door sizes and pairs. The frames are fabricated from 16 ga. steel, fully welded, prime painted, mortised and reinforced for required hardware. (Split frames optional.) Frames are of the same protection level as the door and all are custom sized for specific wall thickness.

The doors have prime painted 16 ga. steel face plates, 16 ga. steel top and bottom flush closures and 16 ga. channel stiles. The core consists of Armortex® UL Listed Bullet Resistant Composite, levels 1-3, with hardened steel for greater protection requirements.

Product: Shooting Range Floor Sealer

Location: Shooting Range

Function/Application: To prevent lead from residing within the porous surface of exposed concrete, the entire slab area of the shooting range will have a clear sealer applied. This will allow for standard interior cleaning to remove lead particulates.



No. 368-C

CSI Code: 03050

W. R. MEADOWS.
SEALTIGHT

JULY 2004
(Supersedes September 2002)

VOCOMP®-30

Water-Base Acrylic Concrete Curing and Sealing Compound

DESCRIPTION

VOCOMP-30 is a ready-to-use, 30% solids Concrete Curing and Sealing Compound formulated of special acrylic polymers in a true water-base carrier. VOCOMP-30 provides improved resistance to rain, sun, freezing temperatures, most acids and industrial chemicals, petroleum, deicing salts, cleaning agents (except aromatic solvents), diluted caustics and other pollutants.

Color-wise, VOCOMP-30 appears "milky-white" in the container and when first applied, leaves a "bluish" cast on the concrete for easy visual coverage. VOCOMP-30 dries clear to provide a transparent sheen finish. This sheen can be controlled by the number of coats applied. VOCOMP-30 meets maximum VOC content limits of 700 g/l, for Concrete Curing and Sealing Compounds as required by the U.S. EPA Architectural Coatings Rule.

USES

VOCOMP-30 may be used wherever a thicker film, with a medium to high sheen, is desired to bring out the natural beauty of concrete without discoloring, checking or peeling. When properly applied, VOCOMP-30 provides an impermeable seal for superior moisture protection. It may be applied to simultaneously cure, seal and dustproof new and old, interior and exterior, horizontal and vertical concrete surfaces. VOCOMP-30 is ideal for curing, sealing and dustproofing driveways, sidewalks, patios, swimming pool areas and commercial and industrial floors. Horizontal surfaces protected with VOCOMP-30 offer excellent wearing qualities for foot and vehicular traffic. If, after prolonged usage, traffic patterns appear, the surface can be washed clean and recoated to restore the original beauty. Good concrete and good concreting practices should be used as VOCOMP-30 is not a cure-all for improperly mixed or placed concrete.

ADDITIONAL CURING AND SEALING COMPOUNDS FROM W. R. MEADOWS CAN BE FOUND BY VISITING OUR WEBSITE: www.wrmeadows.com

FEATURES AND BENEFITS

- Provides a ready-to-use, non-yellowing, water-base compound that seals and protects concrete in one quick and easy application
- Dries quickly on new concrete to provide a clear, tough, easy-to-clean sheen finish
- Applicable for use on new, old, interior, exterior, horizontal and vertical concrete surfaces
- Offers improved resistance to most chemicals, petroleum, abrasives and mortar droppings
- Application tools can be cleaned with soap and water
- VOC compliant...actual VOC content is less than 200 g/l.

PACKAGING

1 Gallon (3.79 Liter) Units (4 per case)
5 Gallon (18.93 Liter) Pails
55 Gallon (208.20 Liter) Drums

COVERAGE

Broomed Surface: Approximately
300 sq.ft./gal. (7.35 sq.m/l.).

Troweled Surface: Approximately
500 sq.ft./gal. (12.26 sq.m/L).

SPECIFICATIONS

- ASTM C 1315, Type I, Class A
- ASTM C 309, Type 1, Class B
- AASHTO M 148, Type 1, Class B
- USDA Accepted

GreenLine.
ENVIRONMENTALLY RESPONSIBLE
PRODUCTS FOR CONCRETE PERFORMANCE

CONTINUED ON REVERSE SIDE...

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Product: Target Control System

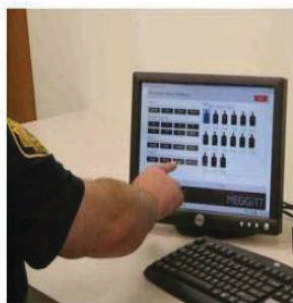
Location: Shooting Range

Function/Application: The target control system provides the trainer with full capabilities of all range systems such as, lighting, targets, and a running man unit. The main station is located in the control room while a wireless handheld unit provides the instructor control and mobility.



MEGGITT

RangeMaster™ 10K, Model RM10K



RangeMaster™ 10K allows you to create scenarios which consist of a set of target movements for specified durations. Once created, the training scenario program can be stored so it is accessible to run any time you need it.

RangeMaster™ 10K can also control a number of optional range support systems such as range and target carrier lighting, and signal light security systems. The Emergency Stop feature located on the home screen provides a quick and easy method for halting all range operations with a single press of the button.

The range layout is depicted using a grid of targets and provides a real time display of target conditions. Each target is identified by the lane number, distance location, lighting indicators, signal lights, and control mode. The range operator can acquire or release control of a lane by simply pressing the corresponding

button on the touchscreen display. Releasing the target allows shooters to have independent control of their lane using the individual control units located at each firing position.

RangeMaster™ 10K allows multiple devices to control the range at the same time. For example, a range master could run a scenario on lanes 6 through 10 from RangeMaster™ 10K, while another range instructor is positioned at the firing line and operating lanes 1 through 5 with RangeMaster™ 10K wireless tablet controller. In short, RangeMaster 10K allows range masters unprecedented control over firing ranges through multiple wireless devices from any location in the range.

RangeMaster™ 10K, Model RM10K

Meggitt Training Systems revolutionized range operations by developing a range control system that allows range officers to leave the control room while still retaining complete control of the range. RangeMaster™ 10K control system combines touch screen technology and wireless communication to give range officers unprecedented control from any location in the range.

Handheld personal digital assistants (PDAs) and tablet personal computers provide the portability to allow range operators full automation of the range while interacting with the shooters at the line. With RangeMaster™ 10K, range operators are no longer confined to a control room so more time can be devoted to firearms instruction rather than range management.

RangeMaster™ 10K Touchscreen controller is intuitive, easy to navigate, and allows range personnel to operate their range by simply touching icons on the display screen. The screen is segmented into three main parts: target commands appear on the left side of the display, range layout is adjacent to this, and a menu bar appears across the bottom of the display.

Controls for sending commands to the targets are clearly identified and are similar in functionality to toolbars most Windows® users are familiar with. Along with the standard target actuation commands of FRIEND – FOE – EDGE, RangeMaster™ 10K can execute random target actuation when controlling the RTS-360™ target system. This command instructs the target to present a complete, unexpected turn to the left or right in increments up to 360 degrees.



Product: Pivoting Targets System
Location: Shooting Range

Function/Application: The range will be equipped with individual pneumatically or electrically activated pivoting targets. The targets can spin in either direction offering “shoot”, “no shoot” and “blade” appearances. The individual connections allow targets to operate independent of each other through the range control system.

TURNING TARGETS

D-TAPS™

U.S. PATENT PENDING

The only thing worse than missing is hitting something you weren't supposed to.

- The D-TAPS is a high speed, 180-degree, pneumatic turning target actuator that adds a powerful new dimension of decision making to your firearms training program.
- Exposing both sides of the target lets you train for good guy / bad guy threat identification. You now have to quickly and accurately identify actual threats before taking action.
- The target turns in 2/10ths of a second which is faster than the human brain can react. This means you can't anticipate which side is being presented.
- Each D-TAPS actuator comes with a built-in electric interface that allows you to control each target independently for tactical multiple-threat scenarios.
- With the addition of our SmartRange computer control software, you can program individual target exposure and delay times with split-second accuracy.
- The D-TAPS works with all standard target sizes, and no wood is required. A simple and reliable steel clamp holds everything in place.



Product: "Running Man" Moving Target System

Location: Shooting Range

Function/Application: Along with the pivoting targets, an integral moving target is planned. This system utilizes target, supported from an overhead track that moves laterally across the range. These are controlled through the target control system.

MOVING TARGETS

TRACK RUNNER™

U.S. PATENT # 5242172

- Round rail track system
- Single or double track configurations
- Smooth, quiet motion
- Impervious to wind
- Multiple trolleys per track
- Use paper, cardboard, and even steel targets
- Heavy duty handheld controls
- Automated computer control available
- Variable speed and electric braking
- Permanent or semi-portable installation

For more permanent range installations, our innovative Track Runner™ is the best way to implement a moving target system. Unlike our portable systems where the target is suspended from a steel cable, targets used with the Track Runner™ are mounted to a trolley that runs on a special track mounted close to the ground. This approach is ideal for tactical applications because the target can move to different locations, change speed and direction and dart in and out of cover.

THE TRACK

Because old I-beam and steel strip tracks are clumsy and cause the trolley to bind and stick when the wind blows, we developed a round rail track system made of tubular steel that eliminates binding so you can continue training no matter how windy it gets.

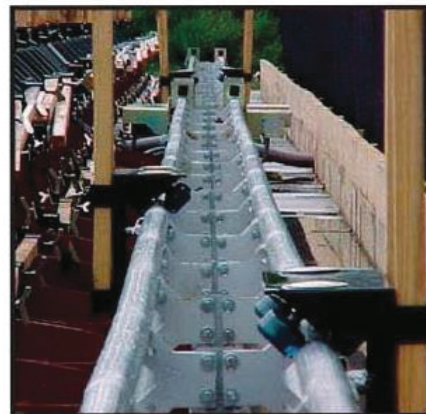
The new Track Runner™ can be mounted in several configurations depending on your needs. For systems used on the ground, the track simply rests on a series of sturdy feet attached at each track connection point. Because no anchors or permanent mounting is required, the system can easily be moved as necessary.

If your needs are different, the new Track Runner™ can also be mounted to the side of a wall. This option is often required on indoor ranges or other ranges where space at the target line is very limited. You can even mount the new Track Runner™ above the target line and hang the targets from above.

THE TROLLEY

The new trolley uses a wrap-around design and multiple urethane wheels to provide extremely smooth and quiet motion. Because these ball-bearing wheels evenly distribute pressure and reduce friction, wind has no effect on the system's performance. You can actually stand on the trolley and ride it up and down the track!

OVER >>>



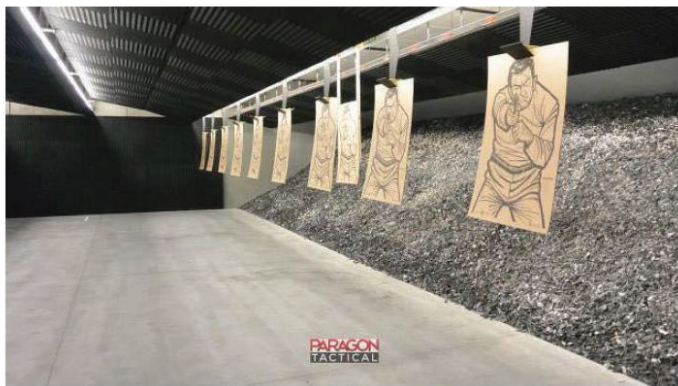
Product: **Bullet Trap and Containment**

Location: **Shooting Range**

Function/Application: The trap system is considered a “total containment” trap that extends the full width of the range. It allows cross lane shooting. The system incorporates an integrated lead recovery unit as well as dust removal system.



Steel Containment Trap Cross Section



Rubber Media Bullet Trap



Rubber Media Outdoor Installation



PBK Higher Education \ G2 Solutions

SHOOTING RANGE PROGRAM VERIFICATION

South Texas College \ Pharr, Texas \ Novemebr 04, 2020

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PBK in partnership with G2 Solutions is grateful for the opportunity to serve South Texas College on this exciting project to develop a programing document for the Shooting Range for the Regional Center for Public Safety Excellence. This programing verification information packet along with the corresponding design charrette is intended to confirm with the South Texas College administrative team and participating community partners a conceptual program for the range and a comprehensive list of the technical components required to bring a state of the art training and certification facility on-line in the Rio Grande Valley. This document is also intended to provide the PBK & G2 Solutions design team a workbook to guide the continued development of the design.

The architectural program is not intended to be the final solution to the building but has been utilized and will continue to serve and assist the design team in creating a built environment solution that works to meet the needs of the end users. The program verification documents included within this package illustrate how the building solution has been developed to date based on the established program requirements and show the basic functional and spatial relationships in a detailed plan with critical site components. It is our pleasure to submit this document for your review. We would like to thank everyone at South Texas College and their community partners for their input, hospitality, and excitement for this project, and we look forward to our continued partnership in developing the design for this important addition to the Regional Center for Public Safety Excellence.

On behalf of the Partners, Principals and entire PBK staff, we wish to express our sincere appreciation to South Texas College for the opportunity to participate in the development of the Shooting Range Master Plan for the Regional Center for Public Safety Excellence. The process of creating the Shooting Range has been thorough and inclusive, drawing from the insights, expertise and vision of multiple stakeholders.

We also extend our utmost gratitude to the South Texas College Board of Trustees, senior administrators, campus administrators, faculty, business and civic representatives that each actively participated in planning meetings, assisted with data collection and reviews, provided college system and campus-specific information and insight. Their commitment and contributions were invaluable to the success of the process.



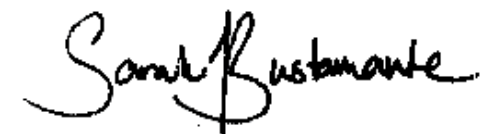
Cliff Whittingstall, AIA, LEED AP BD + C
Partner



Scott Adams, AIA, LEED AP
Principal



Mark Graham, AIA, LEED AP
G2 Solutions Group



Sarah Bustamante, RA

ACKNOWLEDGMENTS**COMMUNITY PARTNERS****Representing: Cities**

City of Edinburg	Mr. Ron Garza, City Manager
City of McAllen	Mr. Roel “Roy” Rodriguez, City Manager
City of Mission	Mayor Armando Ocaña
City of Pharr	Mayor “Amos” Hernandez
City of Pharr	Mr. Edward M. Wylie, Interim City Manager
City of Pharr	Ms. Cynthia Garza, Director of External Relations
City of Weslaco	Mr. Mike Perez, City Manager

Representing: City Police Departments

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City of McAllen	Chief Victor Rodriguez
City of Mission	Chief Robert Dominguez
City of Pharr	Chief Andy Harvey Jr.
City of Weslaco	Chief Joel Rivera
Rio Grande City	Chief Noe Castillo
City of Roma	Chief Jose H. Garcia

Representing: Counties

Hidalgo	Sheriff J.E. “Eddie” Guerra
Hidalgo	Mario Lopez, Chief Deputy
Starr	Sherriff Rene “Orta” Fuentes
Starr	Larry Fuentes, Chief Deputy

Representing: Training Coordinators

Hidalgo County Sheriff’s Office	Sgt. Fred Perez
McAllen Police Department	Sgt. Roberto Del Angel
Pharr Police Department	Sgt. Miguel Reyes
Mission Police Department	Lt. David Meza
Edinburg Police Department	Lt. Michael Cerda
Weslaco Police Department	Sgt. Brooks Ditto

Representing: Education Agencies

University of Texas Rio Grande Valley	Chief Adan Cruz
South Texas College	Interim Chief of Police, Lt. Ruben Suarez
La Joya ISD	Chief Raul Gonzalez
PSJA ISD	Chief Rolando Garcia
Edinburg CISD	Chief Ricardo Perez, Jr.
McAllen ISD	Chief Cris Esquivel

Representing: Federal Agencies

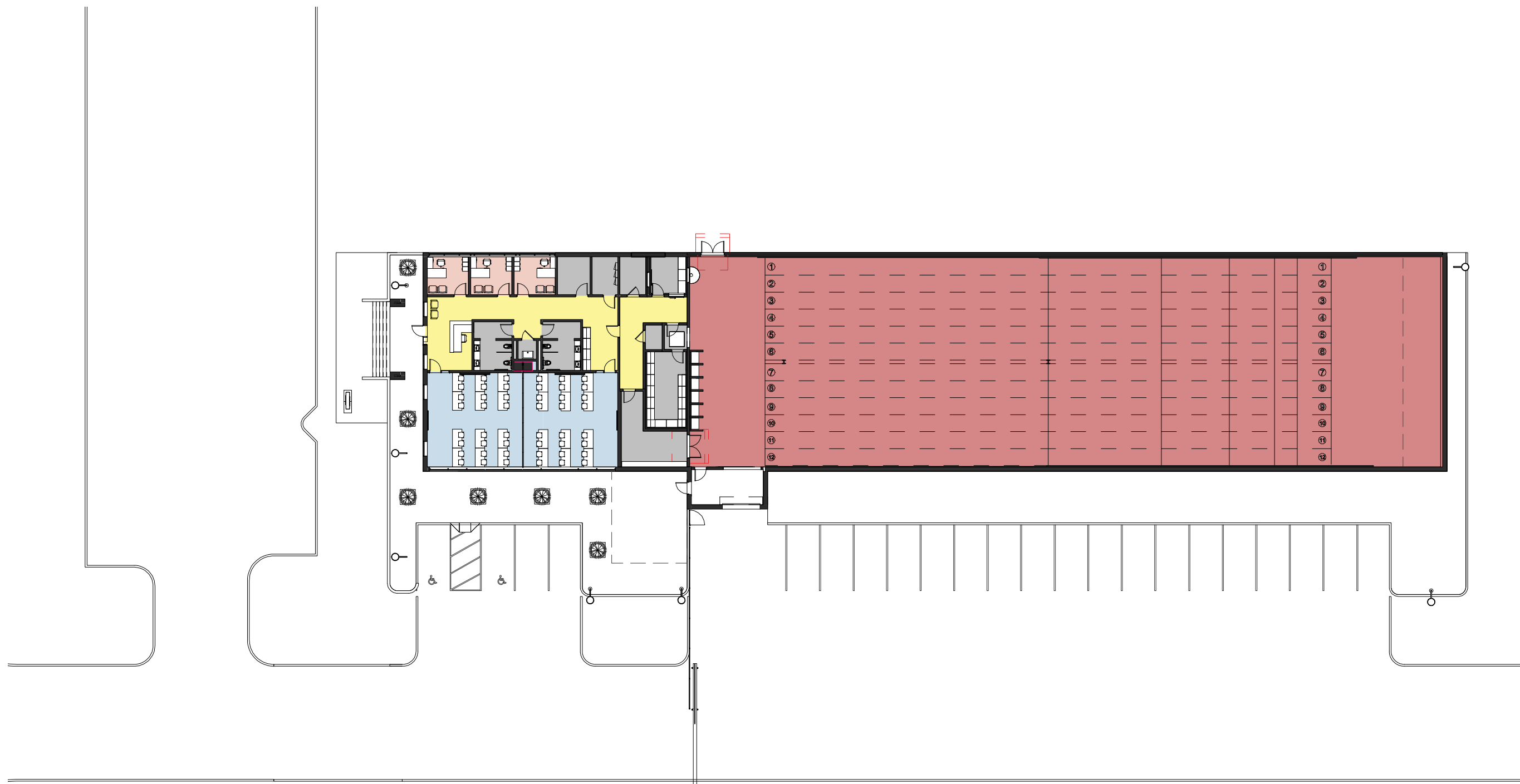
U.S. Customs & Border Protection	Ysela M. Arechiga, Asst. Director, Laredo Field Operations
U.S. Customs & Border Protection	Mr. Carlos Rodriguez, Port Director Hidalgo/Pharr/Anzalduas
Department of Homeland Security	Ms. Isabel Lugo, DHS Regional Coordinator for TX
U.S. Marshals Service	Mr. Daniel Flores, Assistant Chief Deputy Marshal
RGV Border Patrol Sector	Chief Brian Hastings
Bureau of ATF	Mr. Cesar A. Zambrano, ATF Resident Agent in Charge
Texas Department of Public Safety	Mr. Victor Escalon, Regional Director

Representing: South Texas College

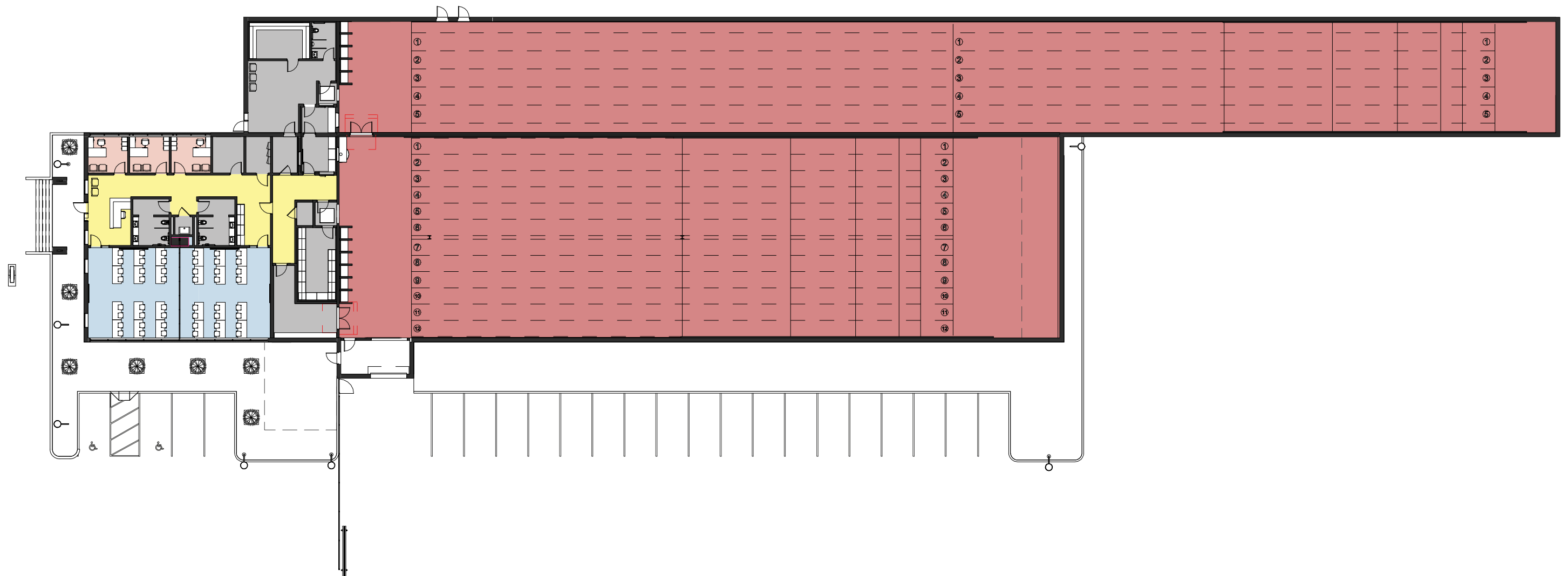
Dr. Shirley Reed	President
Paul R. Rodriguez	Board Chairman
Dr. David Plummer	VP, Information Svc., Planning, Performance & Strategic Init.
Ms. Sara Lozano	Dean for Business, Public Safety and Technology
Mr. Jose Moroles	Director, Regional Center for Public Safety Excellence
Mr. Robert Vela	Program Chair, Fire Science, Police Academy
Mr. Ricardo de la Garza	Director of Facilities Planning and Construction
Mr. Robert Cuellar	Associate Director of Facilities Planning & Construction
Mr. David Valdez	Facilities Planning and Construction Project Manager

OVERALL RCPSE MASTER PLAN

SHOOTING RANGE OVERALL FLOOR PLAN - PHASE 1



SHOOTING RANGE OVERALL FLOOR PLAN - PHASE 2



SHOOTING RANGE ENLARGED FLOOR PLAN

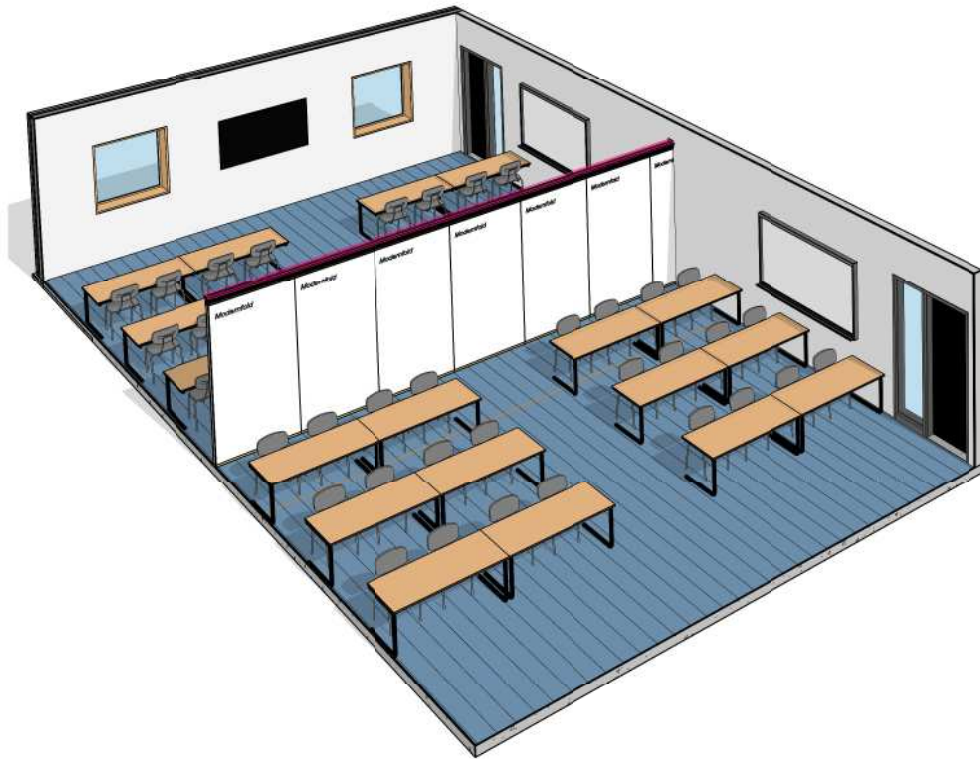
**Phase 1**

- 2 Classroom That Seat 24 With Operable Dividing Wall
- Lobby Entry with Reception/Check-In
- Personal Locker Area
- 3 Offices
- Secured Storage Room
- Weapon Cleaning Room
- Storage Closets
- Range Control Room
- Range Staging Area
- 12- 50 Yard Shooting Lanes
- Restrooms
- Janitors Closet

Phase 2

- Range Control Room
- Secure Storage
- 1 Single Use Restroom
- Range Staging Area
- 5 – 100 Yard Shooting Lanes

PHASE 1

**Adjacencies**

- Access from Lobby
- Close to public Restrooms

Finishes

- Carpet flooring
- Painted Gyp walls
- ACT Ceilings
- Wood Laminate Door with Sidelight with Aluminum Frames
- Operable wall

Plumbing

- N/A

Mechanical

- Recirculation Air Allowed

Electrical/Data

- GFI outlets along wall
- Floor box
- Wireless Access

Sound/Acoustics

- Acoustical Panels

AudioVisual

- Room Scheduler
- Flat Panel Displays
- Sound System
- Video/Web Conferencing
- AV/Webcam Recording

**Adjacencies**

- Access from Lobby
- Behind Check-in / Reception area
- Near Break Area

Finishes

- Carpet flooring
- Painted Gyp walls
- ACT Ceilings
- Wood Laminate Door with Sidelight in Aluminum Frames
- Lockable Storage

Plumbing

- N/A

Mechanical

- Recirculation Air Allowed

Electrical/Data

- GFI outlets along wall
- Wireless Access

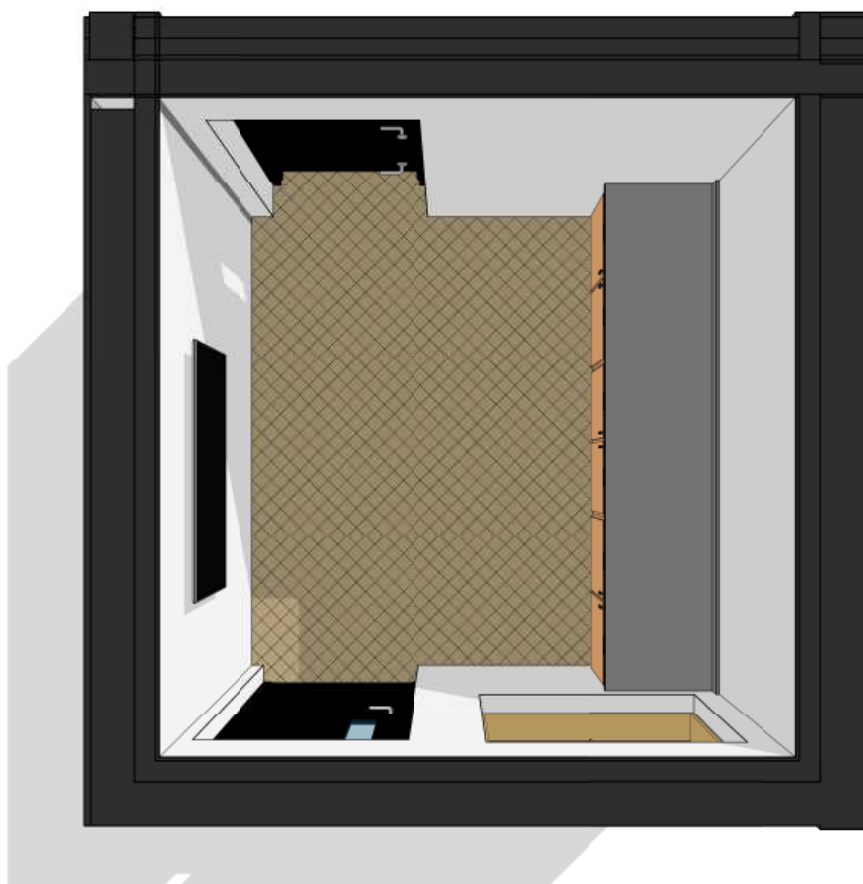
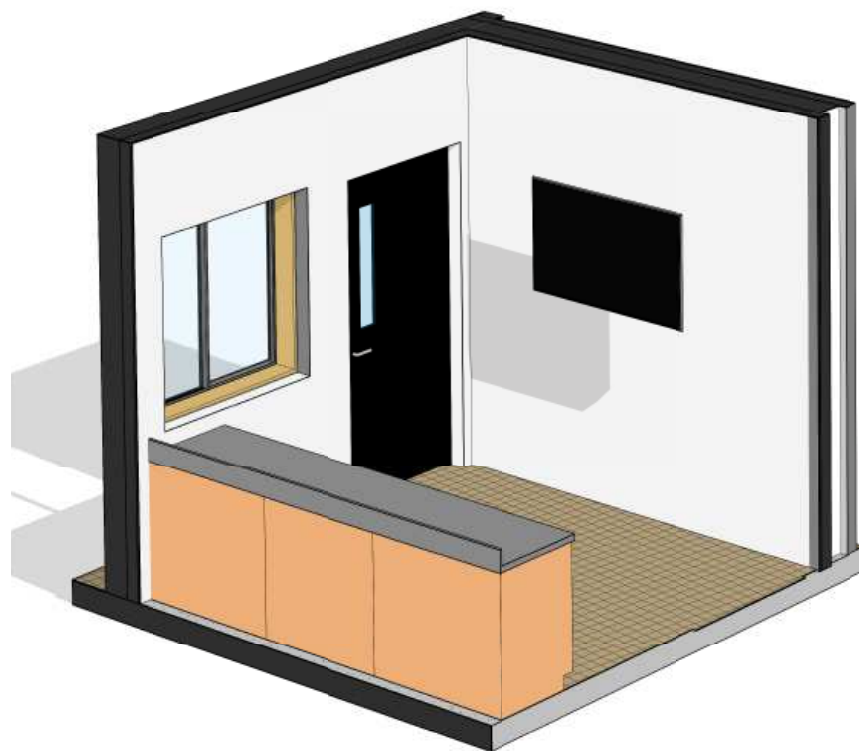
Sound/Acoustics

- N/A

AudioVisual

- N/A



RANGE CONTOL**Adjacencies**

- Full range visibility with Ballistic windows to shooting range

Finishes

- VCT flooring
- Painted Gyp walls
- ACT Ceilings
- Laminate Base cabinets with adjustable shelving and locks
- Laminate Countertop
- Wood Laminate Door with Aluminum Frames

Plumbing

- N/A

Mechanical

- Low-level emission exhaust

Electrical/Data

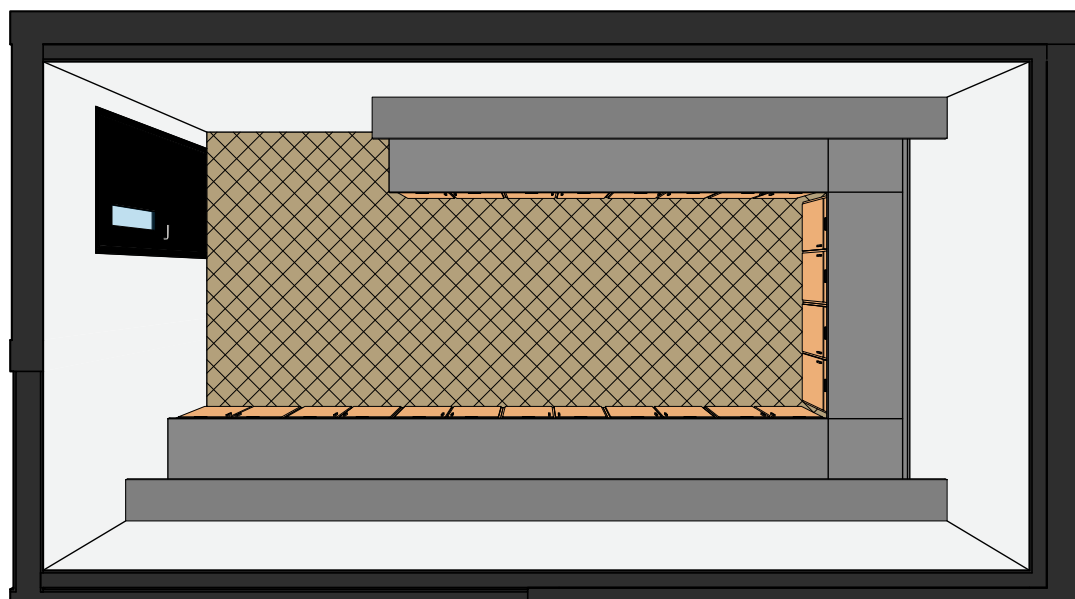
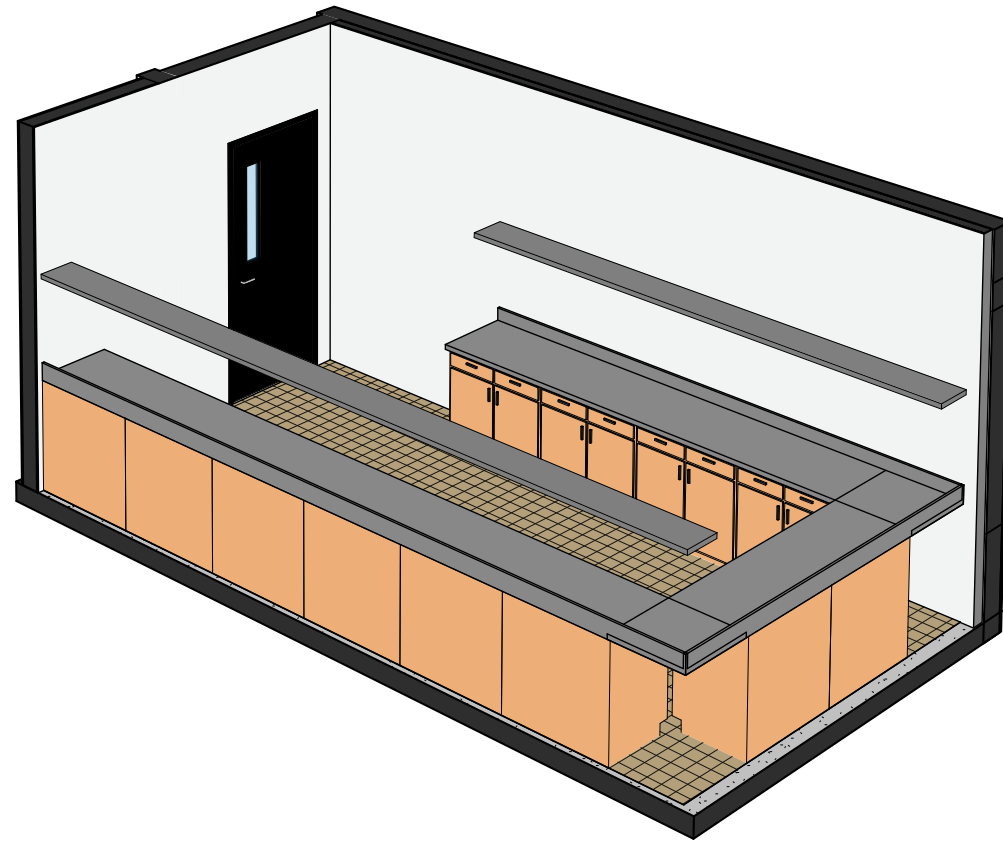
- GFI outlets at counter height
- Data ports at counter height
- Wireless Access

Sound/Acoustics

- N/A

AudioVisual

- Card Reader Secured Entry
- Remote vestibule door control
- Flat panel display
- Public Address system
- CCTV Monitoring
- Full target system control and operation

CLEANING ROOM**Adjacencies**

- Direct access from Shooting Range

Finishes

- VCT flooring
- Stainless steel countertop with backsplash with non-drip edge
- Laminate Base cabinets with adjustable shelving and locks
- Cleanable wall surface – FRP or similar 8' Min. over Gyp walls
- ACT Ceilings
- Wood Laminate Door with Sidelight with Aluminum Frames
- Laminate shelving

Plumbing

- N/A

Mechanical

- Low-level emission exhaust

Electrical

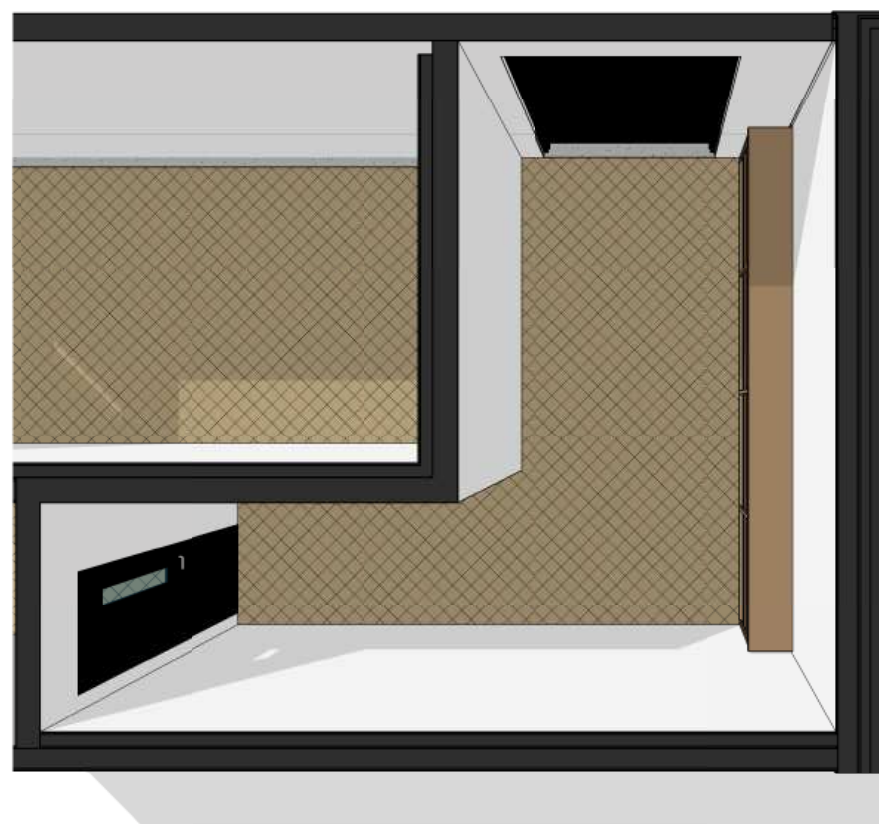
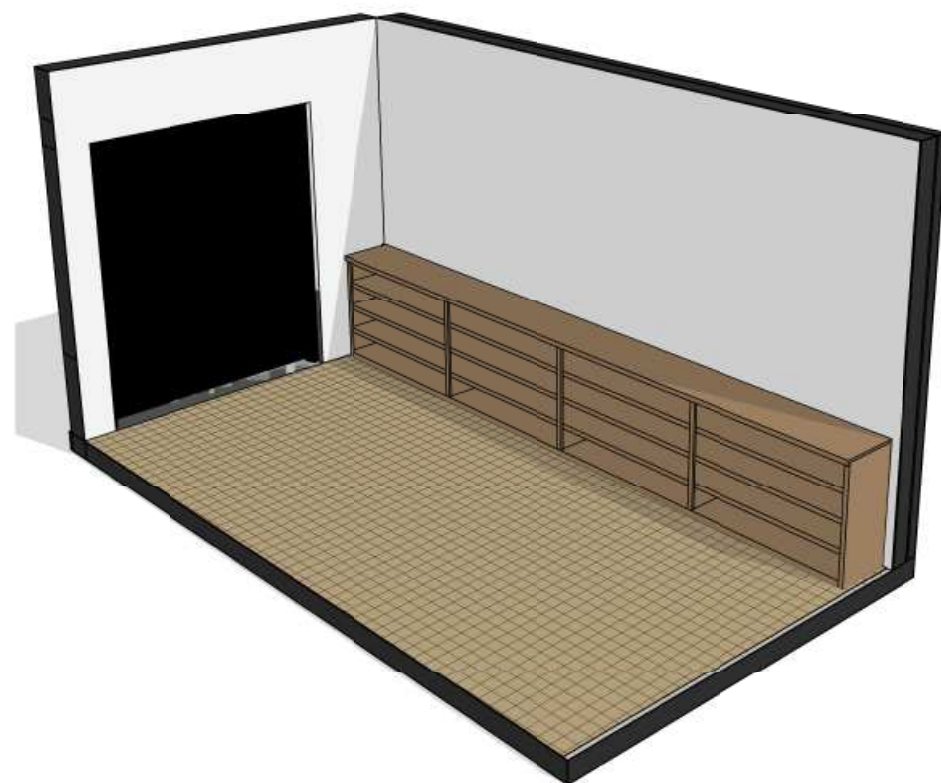
- GFI outlets at counter height

Sound/Acoustics

- N/A

AudioVisual

- N/A

SECURE STORAGE**Adjacencies**

- Direct access to range and corridor with ballistic protection

Finishes

- VCT flooring
- Painted Gyp walls
- ACT Ceilings
- Open metal shelving along walls
- Wood Laminate Door with Aluminum Frames

Plumbing

- N/A

Mechanical

- Low-level emission exhaust

Electrical/Data

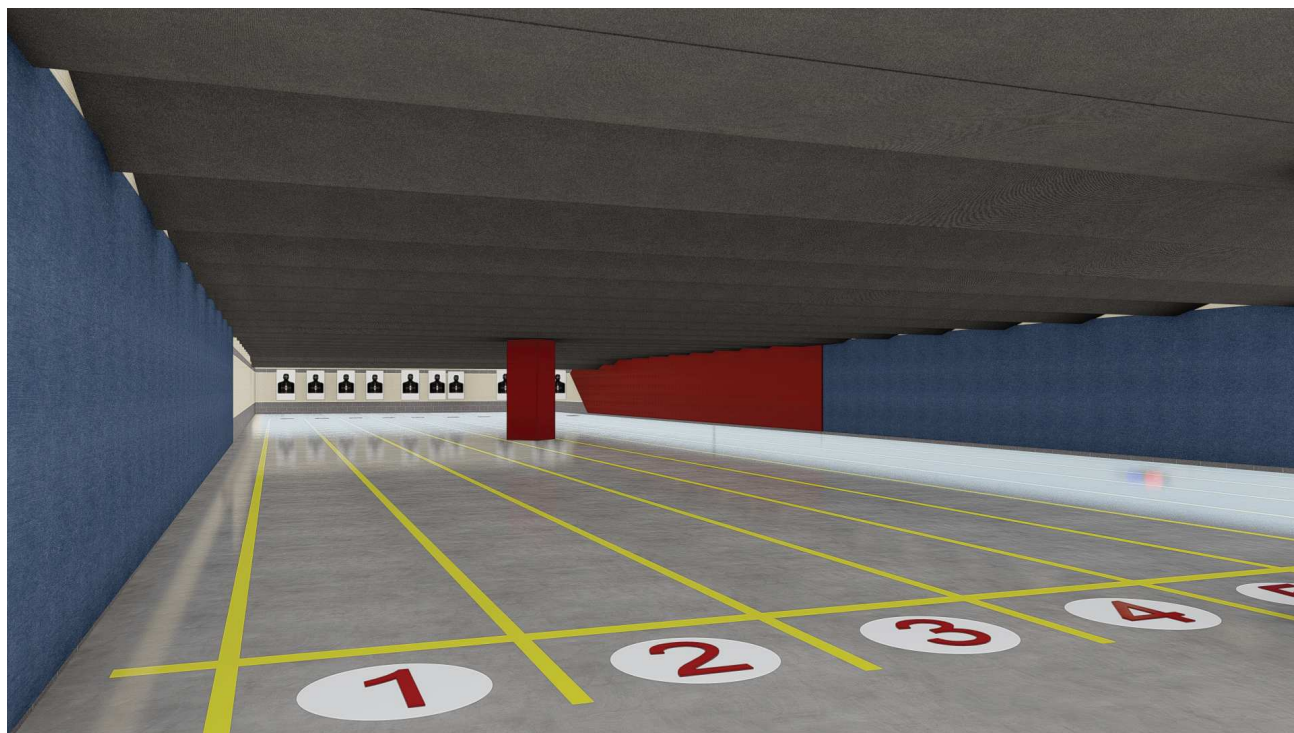
- GFI outlets along wall
- Wireless Access

Sound/Acoustics

- N/A

AudioVisual

- Card Reader Secured Entry
- CCTV Monitoring

SHOOTING RANGE**Adjacencies**

- Exterior access for Vehicle door

Finishes

- VCT flooring
- Painted Gyp walls
- ACT Ceilings
- Open metal shelving along walls
- Wood Laminate Door with Aluminum Frames
- Ballistic protected loading stalls with storage
- Personnel lockers

Plumbing

- Multi-Tap hand wash sink

Mechanical

- NIOSH certified lead extraction and ventilation system

Electrical/Data

- Controllable and dimmable lighting systems
- GFI outlets along wall
- Wireless Access

Sound/Acoustics

- OSHA Approved acoustic echo and noise dampening
- Full overhead suspended ballistic/acoustic baffles
- Sidewall ballistic/acoustic wall protection

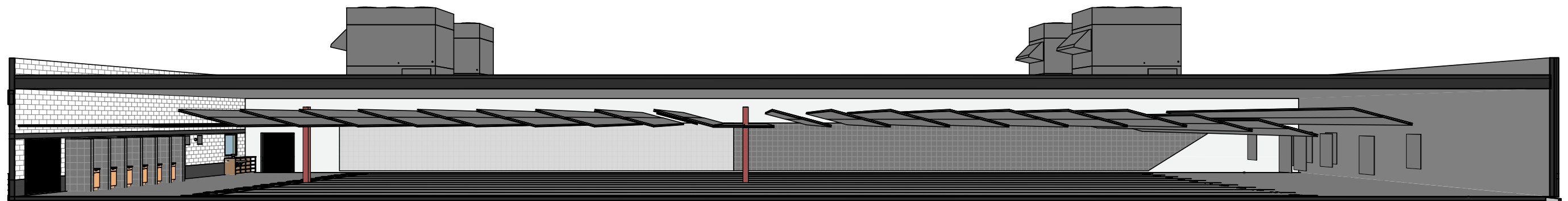
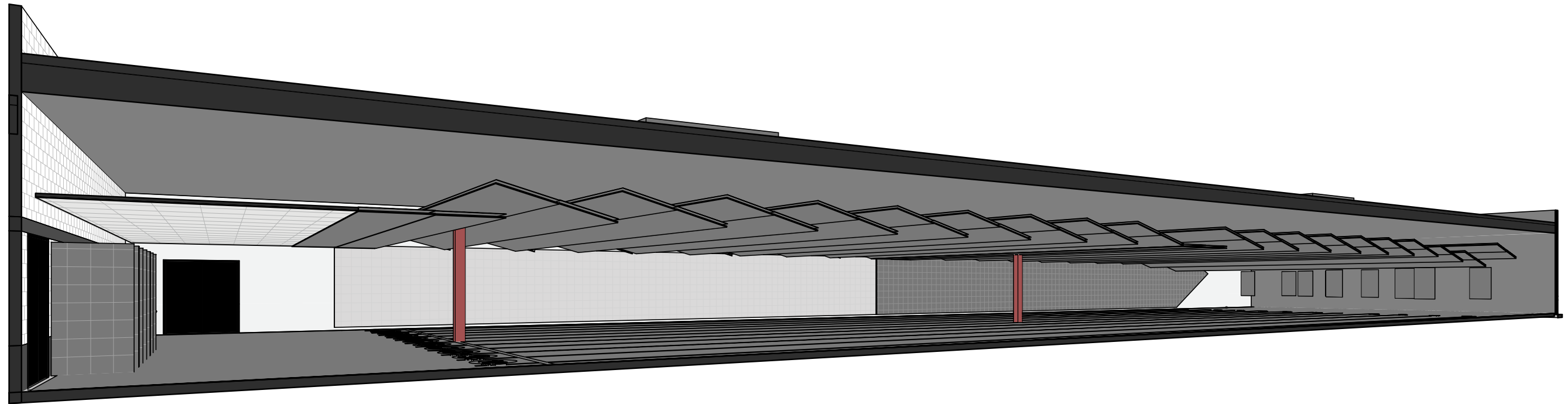
AudioVisual

- Card Reader Secured Entry
- CCTV Monitoring
- Interior Public Address System

Equipment

- Rubber media inclined rubber media bullet trap
- Full-pivoting overhead supported targets
- Full-length moving "Running Man" target
- Wireless programmable target control system





Regional Center for Public Safety Excellence Indoor Shooting Range – Exterior View Rendering



Regional Center for Public Safety Excellence Indoor Shooting Range – Exterior View Rendering


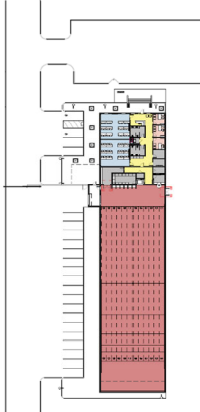


Regional Center for Public Safety Excellence Indoor Shooting Range – Exterior View Rendering



Project Fact Sheet

11/6/2020

Project Name: RCPSE - Target Range		Project No. 2019-015C	
Funding Source(s): Unexpended Plant Fund	Estimated Budget		Actual Expenditures To Date Variance of Original Budget vs. Actual Expenditures To Date
	Construction:	\$ -	\$ - \$ -
	Design:	276,972	- 276,972
	Miscellaneous:	15,000	14,780 220
	FFE:	-	- -
	Technology:	-	- -
Total: \$ 291,972		\$ 14,780	\$ 277,192
Approval to Solicit Architect: N/A Architect: PBK Architects, Inc. Contractor: TBD		Board Approval of Schematic Design TBD Substantial Completion TBD Board Acceptance TBD Final Completion TBD Board Acceptance TBD	
STC FPC Project Manager: David Valdez			
Project Description		Project Scope	
Design of a 12-lane indoor target range.		Consulting architect to provide schematic design documents for the proposed indoor target range.	
Projected Timeline			
Board Approval of Architect	Board Approval of Schematic Design	Board Approval of Contractor	Construction Start Date
2/26/2019	TBD	TBD	TBD
Substantial Completion Date			
TBD			
Final Completion Date			
TBD			
FFE Completion of Move In			
TBD			
Project Calendar of Expenditures by Fiscal Year			
Fiscal Year	Construction	Design	Misc.
2018-19	\$ -	\$ -	\$ 8,669
2019-20	\$ -	\$ -	\$ 6,111
2020-21	\$ -	\$ -	\$ -
Project Total	\$ -	\$ -	\$ 14,780
FFE	\$ -	\$ -	\$ -
Tech	\$ -	\$ -	\$ -
Project Total	\$ -	\$ -	\$ 14,780
Current Agenda Item			
11/10/20 Facilities Committee: No recommendation is requested. Provided for information purposes.			
			
Master Plan		Schematic Floor Plan	

Update on Status of Unexpended Plant Fund Construction Projects and Renewals & Replacements Projects

The Facilities Planning and Construction staff prepared the attached design and construction update. This update summarizes the status of each capital improvement and renewals & replacements project currently in progress, including a categorization based on priority. Mary Elizondo and Rick de la Garza will be present to respond to questions and address concerns of the committee.

South Texas College
Monthly Construction Report
Fiscal Year 2020 - 2021
As of November 6, 2020

Total Project Budget Summary	FY21 Unexpended Plant Fund	FY21 Renewals & Replacements
Total Construction Project Budget	\$ 10,982,474	\$ 4,883,890
Previously Approved Projects for September and October 2020	(675,358)	(471,919)
Proposed Project for the Month of November 2020	(291,972)	-
Total Project Budget Balance	\$ 10,015,144	\$ 4,411,971

Project Reference #	Project Name	Total Project Budget/Actual*	
		CIP Fund	R&R Fund
Board Approved on September 22, 2020			
2020-008C	Pecan Campus Business and Science Building G Classroom Conversion of Two (2) Classrooms to Geology Labs - CO	\$ 267,700	\$ -
2020-002C	Pecan Plaza West Building C Kinesiology Storage and Restroom Renovations	142,538	-
2019-047R	Mid Valley Campus Drainage Improvements Phase I - CO	-	302,919
2018-019R	Asphalt Resurfacing for the Northwest Drive - CO	-	92,971
Total Board Approved on September 22, 2020		\$ 410,238	\$ 302,919
Board Approved on October 27, 2020			
2021-011R	Nursing and Allied Health Campus NAH East Building A Exterior Stairs Repairs and Replacement	\$ -	\$ 169,000
2019-019C	Regional Center for Public Safety Excellence Additional Chiller Installation Project	170,000	-
2020-019C	District Wide Automatic Door Openers Phase IV	95,120	-
2020-022C	Regional Center for Public Safety Excellence Site Drainage Improvements Conditions	356,255	-
Total Board Approved on October 27, 2020		\$ 265,120	\$ 169,000
Pending Board Approval on November 24, 2020			
2019-015C	Regional Center for Public Safety Excellence Indoor Shooting Range	\$ 291,972	\$ -
Total Pending Board Approval on November 24, 2020		\$ 291,972	\$ -
Current Total Project Budget		\$ 967,330	\$ 471,919

* Actuals costs will be updated as project progresses.

CO - Carry over project from previous year.

South Texas College Unexpended Plant Fund - Capital Improvement Projects (CIP)																			
Project Status																			
#	Projects	FPC Project Managers	Not Started	Project Development	Design Phase	Bidding and Negotiations	Construction Phase	Substantial Completion	FY 2020 - 2021 Final Completion	Move In	Completed	Total Project Budget	Amount Paid	Total Project Balance	FY2021 Budget	Upcoming Board Meeting Item	Architect/ Engineering Firm	Contractor	
Pecan Campus																			
1	Business and Science Building G Classroom Renovation	SS			●							\$ 275,003	\$ 3,438	\$ 271,565	\$ 267,700	January 2021	Approval of Construction Services	EGV Architects	TBD
2	Sand Volleyball Courts	DV					●					\$ 113,008	\$ 91,879	\$ 21,129	\$ -	N/A		Alvarado Architects & Assoc.	NM Contracting, LLC (Terminated)
3	Sand Volleyball Courts - Sand Replacement	DV						●				\$ 43,711	\$ 23,381	\$ 20,330	\$ 44,450	December 2020	Final Completion	Alvarado Architects & Assoc.	Limon Masonry
4	Library Building F Renovation and Expansion	DV			●							\$ 1,572,047	\$ 129,781	\$ 1,442,266	\$ 1,442,266	December 2020	Approval of Schematic Design	ERO Architects	TBD
5	Information Technology Building M Office and Work Space Renovation	MV					●					\$ 624,445	\$ 227,757	\$ 396,688	\$ 499,435	November 2020	Substantial Completion	Boultinghouse Simpson Gates Architects	Noble Texas Builders
6	Student Activities Center Building H Cafeteria Renovation	MV									●	\$ 957,600	\$ 718,080	\$ 239,520	\$ 195,627	N/A		EGV Architects	Noble Texas Builders
7	Student Services Building K Renovations	TBD	●									\$ 26,200	\$ -	\$ 26,200	\$ 26,200	TBD	TBD	TBD	N/A
8	New Continuing Education Building	RC	●									\$ 398,160	\$ -	\$ 398,160	\$ 398,160	TBD	TBD	TBD	TBD
Pecan Campus Subtotal												\$ 4,010,174	\$ 1,194,316	\$ 2,815,858	\$ 2,873,838				
Pecan Plaza																			
9	West Building C Kinesiology Renovation	MV			●							\$ 36,909	\$ 4,544	\$ 32,365	\$ 142,538	January 2021	Approval of Construction Services	Alvarado Architects & Assoc.	TBD
10	Human Resources Building A Renovation	RG	●									\$ 141,000	\$ -	\$ 141,000	\$ 141,000	TBD	TBD	TBD	TBD
11	Human Resources Building A Entry Court Yard Improvements	DV			●							\$ 16,000	\$ -	\$ 16,000	\$ 16,000	TBD	TBD	N/A	TBD
Pecan Plaza Subtotal												\$ 193,909	\$ 4,544	\$ 189,365	\$ 299,538				
Mid-Valley Campus																			
12	Student Union Building F Renovation	SS					●					\$ 389,224	\$ 102,040	\$ 287,184	\$ 308,666	January 2021	Substantial Completion	ROFA Architects	Noble Texas Builders
13	Center for Learning Excellence Building A Renovation of Space for Supplemental Instruction	DV	●									\$ 224,200	\$ 2,008	\$ 222,192	\$ 223,200	TBD	TBD	The Warren Group Architects	TBD
Mid Valley Campus Subtotal												\$ 613,424	\$ 104,047	\$ 509,377	\$ 531,866				
Technology Campus																			
14	Emerging Technologies Building A & Advanced Technical Careers Building B Renovation	SS		●								\$ 151,320	\$ 820	\$ 150,500	\$ 150,500	March 2021	Master Plan Acceptance	EGV Architects	TBD
Technology Campus Subtotal												\$ 151,320	\$ 820	\$ 150,500	\$ 150,500				
Dr. Ramiro R. Casso Nursing & Allied Health Campus																			
15	East Building A Student Services Renovation	SS					●					\$ 396,616	\$ 21,346	\$ 375,270	\$ 375,270	December 2020	Substantial Completion	Gignac Architects	Holchemont
16	West Entry Campus Sign	DV									●	\$ 80,353	\$ 59,067	\$ 21,286	\$ 60,000	N/A		N/A	Limon Masonry
Nursing and Allied Health Campus Subtotal												\$ 476,969	\$ 80,414	\$ 396,555	\$ 435,270				

South Texas College																			
Unexpended Plant Fund - Capital Improvement Projects (CIP)																			
Project Status																			
#	Projects	FPC Project Managers	Not Started	Project Development	Design Phase	Bidding and Negotiations	Construction Phase	Substantial Completion	FY 2020 Final Completion	- 2021 Move In	Completed	Total Project Budget	Amount Paid	Total Project Balance	FY2021 Budget	Upcoming Board Meeting Item	Architect/ Engineering Firm	Contractor	
Starr County Campus																			
17	Student Services Building G Renovation	SS					●					\$ 247,380	\$ 13,018	\$ 234,362	\$ 236,500	January 2021	Substantial Completion	Gignac Architects	Holchemont
18	Workforce Center Building D Welding Expansion	MV	●									\$ 230,820	\$ 820	\$ 230,000	\$ 230,000	TBD	TBD	Gignac Architects	TBD
Starr County Campus Subtotal												\$ 478,200	\$ 13,839	\$ 464,361	\$ 466,500				
Regional Center for Public Safety Excellence																			
19	Target Range - STC	DV			●							\$ 296,092	\$ 14,780	\$ 281,312	\$ 291,972	December 2020	Schematic Design	PBK Architects	TBD
20	Canopy for Safety Training Vehicles	TBD	●									\$ 285,500	\$ -	\$ 285,500	\$ 285,500	TBD	TBD	TBD	TBD
21	Canopy for Students/Instructors	TBD	●									\$ 247,000	\$ -	\$ 247,000	\$ 247,000	TBD	TBD	TBD	TBD
22	Fire Training Area	TBD	●									\$ 443,600	\$ -	\$ 443,600	\$ 443,600	TBD	TBD	TBD	TBD
23	Site Drainage Improvements	RG			●							\$ 380,885	\$ 24,630	\$ 356,255	\$ 356,255	February 2021	Approval of Construction Services	Perez Consulting Engineers	TBD
24	Chiller Installation	MV		●								\$ 170,000	\$ -	\$ 170,000	\$ 170,000	January 2021	Approval of Engineering Services	TBD	TBD
25	Cityscape Remediation	RG					●					\$ 129,500	\$ -	\$ 129,500	\$ 129,500	December 2020	Substantial Completion	TBD	TBD
Regional Center for Public Safety Excellence Subtotal												\$ 1,952,577	\$ 39,410	\$ 1,913,167	\$ 1,923,827				
Higher Education Center La Joya																			
26	Exterior Building and Wayfinding Signage (Wayfinding Signage Only)	DV					●					\$ 59,144	\$ 22,024	\$ 37,121	\$ 36,400	N/A		N/A	Innerface Architectural Signage/Cast Con
Higher Education Center La Joya Subtotal												\$ 59,144	\$ 22,024	\$ 37,121	\$ 36,400				
District Wide																			
27	Land	N/A	N/A									\$ 3,000,000	\$ -	\$ 3,000,000	\$ 3,000,000	N/A		N/A	N/A
28	Renovation and Contingencies	N/A	N/A									\$ 659,296	\$ 22,594	\$ 636,703	\$ 659,296	N/A		N/A	TBD
29	Outdoor Furniture	TBD	●									\$ 25,000	\$ -	\$ 25,000	\$ 25,000	N/A		N/A	TBD
30	Facility Signage	MV			●							\$ 49,632	\$ -	\$ 49,632	\$ 49,632	N/A		N/A	Fast Signs
31	Removal of Existing Trees	TBD	●									\$ 24,687	\$ -	\$ 24,687	\$ 24,687	N/A		N/A	TBD
32	Automatic Doors Phase IV	RG			●							\$ 95,120	\$ -	\$ 95,120	\$ 95,120	N/A		TBD	TBD
33	Campus Master Plan	TBD	●									\$ 375,000	\$ -	\$ 375,000	\$ 375,000	N/A		TBD	N/A
34	Fence Enclosures	DV		●								\$ 36,000	\$ -	\$ 36,000	\$ 36,000	N/A		N/A	TBD
District Wide Subtotal												\$ 4,264,735	\$ 22,594	\$ 4,242,142	\$ 4,264,735				
Totals		12	12	3	6	0	8	1	0	0	2	\$ 12,200,452	\$ 1,482,008	\$ 10,718,444	\$ 10,982,474				

South Texas College
Renewal and Replacement Projects
Project Status

#	Projects	FPC Project Manager	Not Started	Project Development	Design Phase	Bidding and Negotiations	Construction Phase	Substantial Completion	FY 2020 - 2021		Completed	Total Project Budget	Amount Paid	Total Project Balance	FY2021 Budget	Priority Status	Upcoming Board Meeting Item	Architect/ Engineering Firm	Contractor	
									Final Completion	Move In										
Mid Valley Campus																				
1	Resurfacing Northwest Drive	SS					●					\$ 128,132	\$ 11,134	\$ 116,998	\$ 92,971	High	January 2021	Substantial Completion	PCE Consultants	McAllen Multi Services
2	Drainage Improvements Phase I	SS					●					\$ 459,202	\$ 290,655	\$ 168,547	\$ 302,919	High	January 2021	Substantial Completion	PCE Consultants	McAllen Multi Services
3	Roofing Replacement	MV			●							\$ 951,000	\$ 4,308	\$ 946,692	\$ 947,123	High	January 2021	Approval of Construction Services	Beam Professionals	TBD
Pecan Campus Subtotal												\$ 1,538,334	\$ 306,097	\$ 1,232,237	\$ 1,343,013					
Technology Campus																				
4	Advanced Technical Careers Building B Concrete Floor Repairs	DV									●	\$ 126,870	\$ 120,613	\$ 6,257	\$ 20,000	Completed	N/A		CLH Engineering	5 Star Construction
Technology Campus Subtotal												\$ 126,870	\$ 120,613	\$ 6,257	\$ 20,000					
Dr. Ramiro R. Casso Nursing & Allied Health Campus																				
5	NAH East Building A Westside Elevators Refurbishment	RC/O&M					●					\$ 159,000	\$ -	\$ 159,000	\$ 159,000	Medium	January 2021	Approval of Construction Services	N/A	Oracle Elevator
6	NAH East Building A Roofing Replacement	MV			●							\$ 166,077	\$ 1,077	\$ 165,000	\$ 165,108	High	January 2021	Approval of Construction Services	BEAM Professionals	TBD
7	NAH East Building A Data Cabling Infrastructure Replacement	RC/O&M									●	\$ 161,677	\$ 146,677	\$ 15,000	\$ 15,000	Low	TBD	TBD	N/A	TBD
8	NAH East Building A Exterior Stair Repairs and Replacement	RG		●								\$ 169,000	\$ -	\$ 169,000	\$ 169,000	High	January 2021	Approval of Engineering Services	TBD	TBD
Nursing and Allied Health Campus Subtotal												\$ 655,754	\$ 147,754	\$ 508,000	\$ 508,108					
Starr County Campus																				
9	Roofing Replacement	MV			●							\$ 832,323	\$ 8,615	\$ 823,708	\$ 824,569	High	January 2021	Approval of Construction Services	Beam Professionals	TBD
Starr County Campus Subtotal												\$ 832,323	\$ 8,615	\$ 823,708	\$ 824,569					

South Texas College
Renewal and Replacement Projects
Project Status

		FPC Project Manager	Not Started	Project Development	Design Phase	Bidding and Negotiations	Construction Phase	Substantial Completion	FY 2020 - 2021		Completed	Total Project Budget	Amount Paid	Total Project Balance	FY2021 Budget	Priority Status	Upcoming Board Meeting Item	Architect/ Engineering Firm	Contractor	
#	Projects								Final Completion	Move In										
District Wide																				
10	Irrigation System Controls Upgrade	RC/O&M				●						\$ 143,685	\$ 72,485	\$ 71,200	\$ 71,200	Low	TBD		N/A	Aqua Tech
11	Fire Alarm Panel Replacement/Upgrade	RC/O&M				●						\$ 182,500	\$ -	\$ 182,500	\$ 182,500	Low	TBD		N/A	TBD
12	Interior LED Lighting Upgrade	RC/O&M				●						\$ 219,950	\$ 109,950	\$ 110,000	\$ 110,000	Low	TBD		N/A	TBD
13	Ext Walkway LED Lighting Upgrade Ph I	RC/O&M				●						\$ 49,000	\$ -	\$ 49,000	\$ 49,000	Low	TBD		N/A	TBD
14	Interior Controls Upgrade	RC/O&M				●						\$ 76,500	\$ 17,049	\$ 59,451	\$ 76,500	Low	TBD		N/A	TBD
15	Floor Replacement	RG			●							\$ 532,042	\$ 28,042	\$ 504,000	\$ 504,000	Medium	August 2021	Color Selections	N/A	TBD
16	HVAC Upgrades	MV/O&M				●						\$ 660,000	\$ -	\$ 660,000	\$ 660,000	Low	TBD		N/A	TBD
17	Exterior Lighting Upgrade	RC/O&M				●						\$ 279,000	\$ -	\$ 279,000	\$ 279,000	Low	TBD		N/A	TBD
18	Keyless Entry Access Upgrades	RC/O&M				●						\$ 39,626	\$ 14,626	\$ 25,000	\$ 25,000	Low	TBD		N/A	ADI
19	Renewals & Replacements	N/A	N/A									\$ 151,000	\$ -	\$ 151,000	\$ 151,000	N/A	N/A		N/A	N/A
20	Water Tower Logo Replacments	RG		●								\$ 80,000	\$ -	\$ 80,000	\$ 80,000	N/A	TBD		N/A	TBD
District Wide Subtotal												\$ 2,413,303	\$ 242,152	\$ 2,171,152	\$ 2,188,200					
Totals		0	0	1	4	8	3	0	0	0	2	\$ 5,566,584	\$ 825,230	\$ 4,741,354	\$ 4,883,890					