



FLUVANNA COUNTY LIVE FIRE TRAINING STRUCTURE REQUEST

Eric Dahl, Fluvanna County Administrator

September 21, 2023





Presenter Introductions

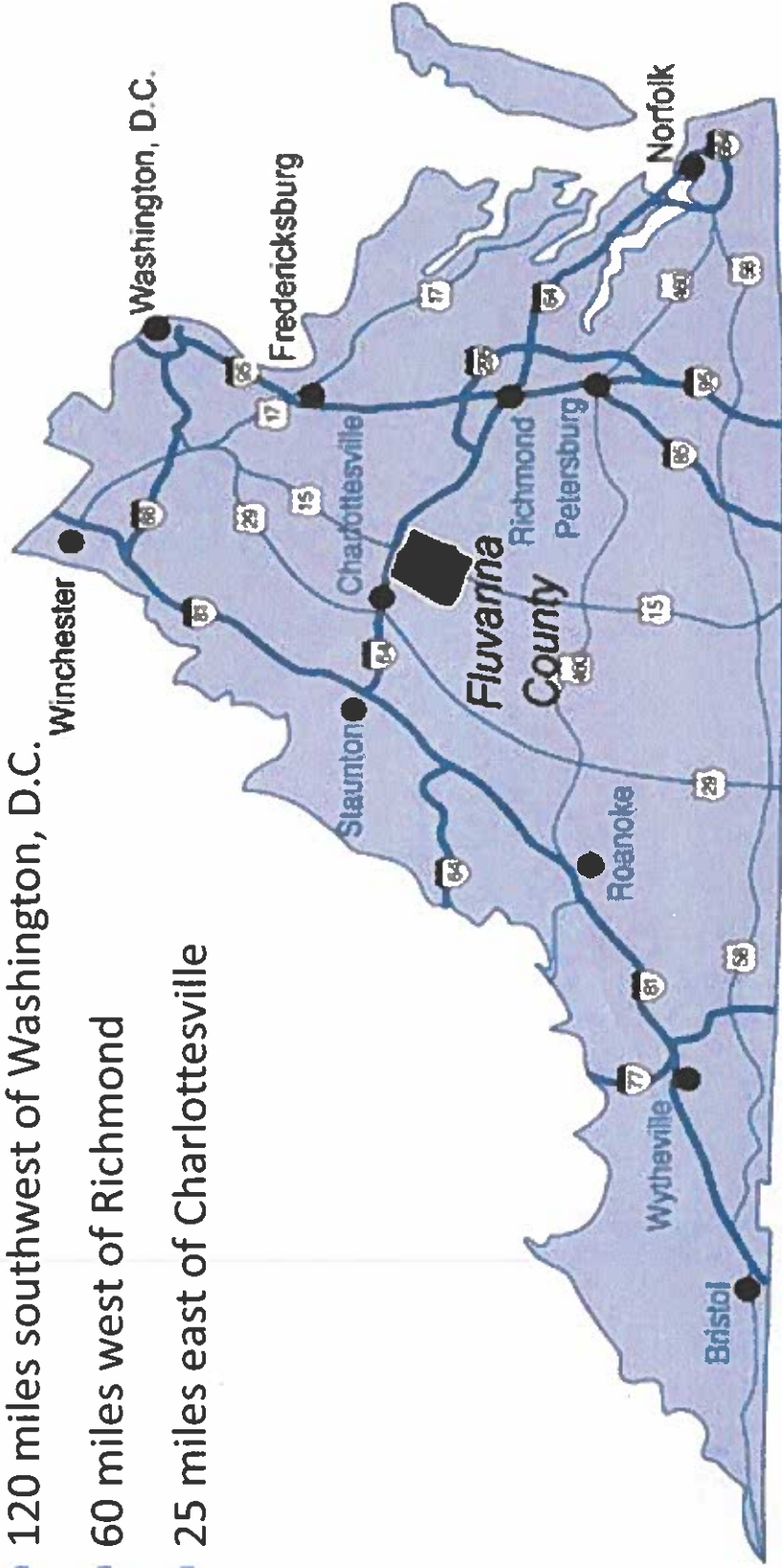
- ▶ **Ben Powell – Project Manager**
- ▶ **1968-1973: Volunteer with both Harrisonburg Fire Co. 1; Harrisonburg Rescue Squad**
- ▶ **1973-2004: Charlottesville Fire Department**
- ▶ **1973-1998: Adjunct Fire Instructor-Virginia Fire Programs**
- ▶ **2004-2009: Virginia State Fire Marshal Office**
- ▶ **2009: Retired**
- ▶ **1995-2023: Member of the Palmyra Vol. Fire Department (Fluvanna County)**
- ▶ **Chief Richie Constantino**
- ▶ **1972: Started with the Elmsford, New York Fire Department located in Westchester County (adjacent to New York City)**
- ▶ **1982: Became Chief of Department**
- ▶ **1994: Westchester County Deputy Fire Coordinator in command of the Arson Task Force to conduct origin and cause investigations for the 58 fire departments and 45 police departments in the County (second job)**
- ▶ **2001: Retired, relocated to Lake Monticello, Virginia and joined Lake Monticello Fire Department**
- ▶ **Assistant Chief for 8 years and Chief of Department for 10 years**



COUNTY OVERVIEW

▶ Fluvanna County is centrally located in Virginia

- 120 miles southwest of Washington, D.C.
- 60 miles west of Richmond
- 25 miles east of Charlottesville

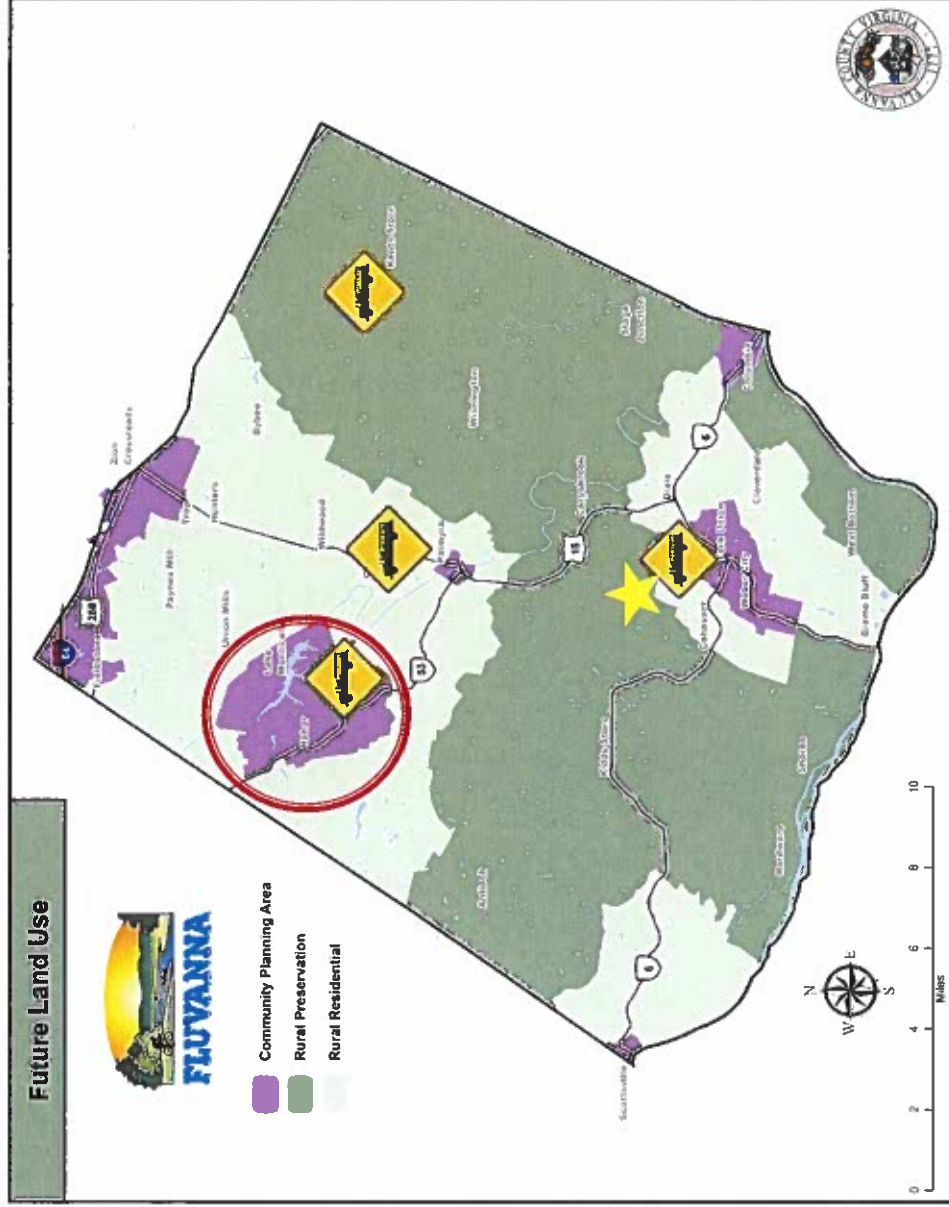




COUNTY OVERVIEW (cont.)

4

- ▶ **Current population estimate - ~27,843**
- ▶ **Land area of 282 square miles**
- ▶ **The County is mostly rural;**
 - ~60% of the population lives outside the red circle
 - ~40% of the population lives inside and around the Lake Monticello community inside the red circle
- ▶ **The northern part of Fluvanna is seeing more commercial development**





FLUVANNA COUNTY FIRE AND RESCUE SYSTEM

▶ **VOLUNTEER PROVIDERS**

▶ **Lake Monticello Volunteer Fire and Rescue Squad**

- Lake Monticello Fire Company
- Lake Monticello Rescue Squad
- Lake Monticello Water Rescue Team

▶ **Fluvanna County Volunteer Fire Department**

- Fork Union Fire Company
- Kents Store Fire Company
- Palmyra Fire Company

▶ ***Fluvanna County has all volunteer firefighters.***



▶ **FLUVANNA COUNTY DEPARTMENT OF EMERGENCY SERVICES**

- Fluvanna County Department of Emergency Services began providing EMS services the month in July 2023 and was fully implemented on September 16, 2023



VIRGINIA FIRE SERVICES BOARD REQUEST

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▶ **REQUEST #1**

- ▶ Fluvanna County respectfully requests consideration for approval of the use of a container type structure for our live fire training structure grant that was awarded in August 2017.

▶ **REQUEST #2**

- ▶ Fluvanna County requests a “No Cost Extension” through November 15, 2025 to adequately complete our project.



- ▶ **August 2017: Fluvanna County was awarded the Live Fire Training Structure Grant**
- ▶ **June 2018 – November 2022: Issued numerous Solicitations; RFP for Design/Build, two Invitation For Bids and redesigns to try and save costs.**
 - **Minimum \$1M project costs**
- ▶ **April 2023 – Draeger made a presentation to our Live Fire Training Building Committee for a container type fire training structure.**
- ▶ **With the challenges we have encountered to build a Prototype 2 – Class A in a cost effective manner and knowing two other localities have received approval from the Fire Services Board for a container style structure, it is important to bring this request forward to serve the training needs of our volunteer firefighters and therefore serving our community.**



WHY A DRAEGER PROTOTYPE 4 – CLASS A?

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- ▶ **There are similarities to a Prototype 2 – Class A**
- ▶ **Draeger designs their buildings to meet NFPA 1402, Standard on Facilities for Fire Training and Associated Props**
- ▶ **Draeger helped write the standard and are one of the leading manufacturers of fire training buildings using that standard.**
- ▶ **Draeger is on a Sourcewell cooperative contract, meaning quicker turnaround on the procurement process.**
- ▶ **24-26 week delivery time, after receipt of approved drawings.**
- ▶ **Fluvanna County will be a value added partner to VDFP to be able to provide Prototype 4 – Class A data.**



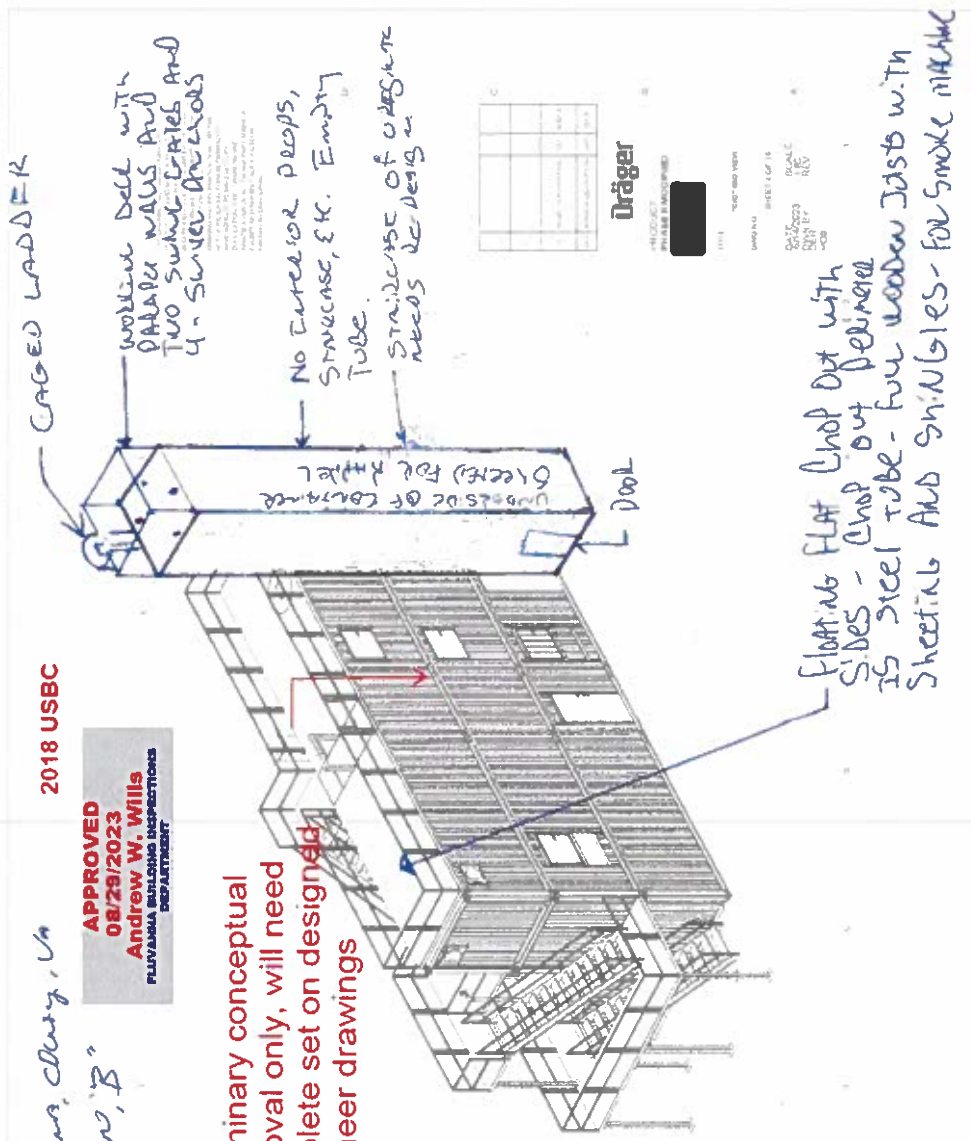
CONCEPTUAL DESIGN - PROTOTYPE IV - CLASS A

Fluvanna County, VA
Design, B

2018 USBC

APPROVED
08/29/2023
Andrew W. Willis
FLUVANNA COUNTY INSPECTIONS
DEPARTMENT

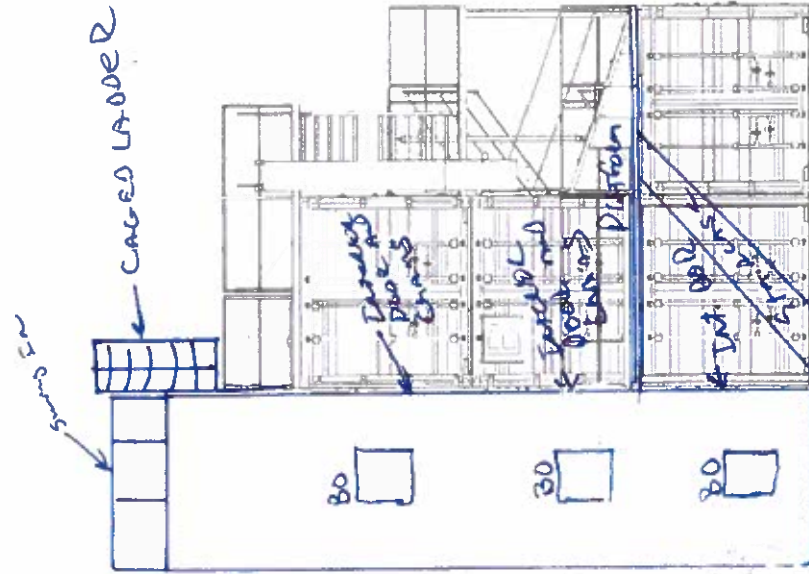
preliminary conceptual approval only, will need complete set on designed engineer drawings



- ▶ This is the recommended structure configuration from the Fluvanna Live Fire Training Building Committee.
- ▶ The structure includes 4- horizontal containers with 1-vertical container and props.



CONCEPTUAL DESIGN - PROTOTYPE IV - CLASS A (cont.)



*Fluvanna County, VA
Design "B"*

- ▶ The Draeger package includes the containers, props, equipment, training, engineering, shipping, Temperature Monitoring System, installation and set-up.

- ▶ We also have additional estimates for a contingency fund, Site Work, Special Inspections, Construction Administration and Utilities.

Dräger
 PRODUCT: PHASE II (M) DR16U
 TITLE: [REDACTED]
 DRAWING: [REDACTED]
 SCALE: AS SHOWN
 DATE: [REDACTED]
 DRAWN BY: [REDACTED]
 CHECKED BY: [REDACTED]
 PLOT: [REDACTED]



PROPOSED LOCATION – ADJACENT TO FORK UNION FIRE COMPANY



- ▶ **Green Arrow** – Fork Union Fire Company
- ▶ **Yellow Star** – Proposed Live Fire Training Structure site



VIRGINIA FIRE SERVICES BOARD REQUEST

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▶ **REQUEST #2**

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Questions or Comments?



Proposed Fire Training Sites

The Light shaded around building is our current building which we would like to keep as a dry building for Law Enforcement and training new firefighters getting them used to dark and blackout conditions without the heat.

The Blue Shaded is the area we would like to build our new building. However not set in stone if the wish of the committee is to tear down the current building and we place our new one on that site than that is what we will do.

Legend

-  1016 Middle School Cir
-  Firemen's Training Ground
-  Proposed location of new building



HALIFAX COUNTY FIRE TRAINING CENTER - Use Policy

1. PURPOSE:

The purpose of this policy is to ensure a uniform, safe, proper operation, and readiness of the Halifax Fire Training Center.

2. DEFINITIONS:

2.1 Halifax Fire Training Commission: the group of fire chiefs from the county of Halifax that have been given oversight of the fire training center.

2.2 Halifax Fire Training Center: the property located at 1016 Middle School Rd, South Boston, Virginia. From here on know as the "Center"

2.3 Custodian(s) of the Property: The person(s) appointed by the Halifax Fire Training Commission to review requests and approve or deny use of the Center by emergency agencies. This person(s) oversees maintenance, inspections and all facility records of use of the Center.

3. RULES PERTAINING TO THE BURN BUILDING USE:

3.1 DESIGNATED USERS

3.1.1 No Agency will be able to use the Halifax Burn Building without having a member, or members trained and approved by the custodian(s) of the Center or his/ her designee. The member or members approved to use the burn building must be present and must monitor the all evolution(s) being conducted by his/her agency.

3.2 LIVE FIRE TRAINING

3.2.1 In accordance with the agreement with the Virginia Fire Services Board and the Virginia Department of Fire Programs, all "Live Fire" training conducted at the Halifax Fire Training Center will be performed in accordance with the current edition of NFPA 1403 Standard for Conducting Live Fire Training.

3.2.2 The only fuel approved for the use in the Halifax Burn Building is wooden pallets and straw (Class "A" materials only). No pressure treated OR contaminated wood will be allowed.

3.2.3 THE USE OF CLASS B FUELS IS PROHIBITED IN THE HALIFAX BURN BUILDING.

3.2.4 Water is the only allowable extinguishing agent for use with the Burn Building. Water shall not at anytime be directed at the roof of the building or the thermal panels on the ceilings.

3.2.5 The Maximum allowable Temperature during any fire in the Burn building is 1200° F, exceeding that temperature will trigger an event that will be recorded and the audible alarm will sound.

3.2.6 The maximum amount of live fire evolutions allowed in one day is ten (10)

3.2.8 Live fire training shall occur in the burn rooms only! Burn rooms are the rooms with thermal panels on the ceilings. No fires are allowed in other rooms, on the stairs, landings or on the roof or truss area/attic space.

3.2.9 No training, under any circumstances, that includes tear gas, explosives, flash bangs, smoke bombs, or firearms (this rule includes the use of simunition) shall occur within or near the burn building.

3.2.10 No vehicles shall be allowed within 15 feet of the burn building as designated by the red flags around the building.

3.2.11 Forced entry shall only occur on designated doors or forcible entry props.

3.3 BUILDING DAMAGE:

3.3.1 Any damage discovered during the pre-training inspection will be documented with photographs and reported to the Custodian of the Center before training begins.

3.3.2 Any damage that occurs during training, shall be documented with photographs and reported to the Custodian of the Center before training resumes.

3.3.3 Any costs incurred from damages to the building while performing training that is not in compliance with this policy, will be the sole responsibility of the agency conducting the training at the time that the damage occurred. The facility will be repaired and a bill for the costs will be forwarded to the responsible agency.

3.4. SUPPLIES:

3.4.1 Each Agency is responsible for providing its own pallets and straw.

3.4.2 On occasion there may be pallets and straw stored on the property. These may be used if available, but must be replaced within one week of the training occurring.

3.4.3 Pallets and/or straw may only be left on the property in the pallet and straw storage shed and must be neatly stacked. Any pallets and straw left on the property will be available for use by other agencies.

3.5. CLEAN UP:

3.5.1 The building will be left in a clean and orderly manner. All coals and ashes will be completely extinguished and the building will be washed out completely. All debris left after the evolutions will be placed in the approved disposal container.

3.5.2 Any agency failing to clean out the building or properly dispose of debris will be called back out to the site by the custodian of the Center to do so properly.

3.5.3 Failure to clean the building properly, even after being called back to do so, could result in that agency having its privilege to use the facility suspended for a period of up to 12 months.

3.5.4 Any agency that has to be called back out to the site by the custodian of the property on

suspended for a period of not less than 12 months.

3.6. RECORD KEEPING:

3.6.1 Each agency conducting training in the burn building will be required to use the temperature monitor computer in the control building to record the events of the training evolutions.

3.6.2 The recordings of each training in the burn building will be reviewed and kept on file for a minimum of not less than 15 years.

3.6.3 The custodian of the Center or his/ her designee will make a pre and a post training visit to the site to ensure that the building has been left in good working order and secured properly.

4. USE OF CLASSROOMS AND ALL OTHER AREAS OF THE CENTER

4.1 Classrooms, restroom building and all other spaces of the training center will be kept neat and clean. All trash needs to be put in trash cans and trash cans need to be dumped at the end of each day.

4.2 Classrooms and restroom building will be swept and mopped at end of a training session or as required whichever come first.

4.3 Tables, counter tops and fixtures will be wiped down and cleaned at end of a training session or as required whichever come first.

4.4 Thermostats should be returned to designated temperature setting and all lights should be shut off at the end of each training session. (78 for AC in the Summer and 62 for Heat in Winter)

4.5 Turnout Gear is not allowed in the classrooms!

5. APPLICATION FOR USE:

5.1 Any agency wanting to use the Halifax Fire Training Center must complete an application for use of the Training Center.

5.2 Applications must be completed and submitted to the custodian of the Center or his/ her designee no less than five (5) business days in advance of the scheduled training.

Incomplete applications will not be considered.

5.3 Completed applications will be considered on a first come first served basis.

* Indicates required question

1. Email *

2. I have read and Understand the Use Policy. *

By agreeing to the use policy and filling out the use application I understand and agree to the Training center Policy: I also Understand that the neither the Halifax Fire Training Commission nor the County of Halifax, VA carries any personal liability insurance on anyone participating in any training at the training facility located at 1016 Middle School Rd, South Boston, Virginia. It is the responsibility of the individual organizations to provide liability and injury insurance for each of its members participating in any training at the Halifax Fire Training Center

Mark only one oval.

I agree to the Training Facility use Policy *Skip to question 3*

Application For Use

Fill in all required questions

3. Organization Name: *

4. Person Requesting Use: *

First Name, Last Name

5. Person Requesting Use: (Email Address) *

6. Person Requesting Use: (Phone Number) *

7. Authorized Facility Operator: *

Individual that has been cleared by the Custodian of the center. First Name, Last Name

8. Type of Training: *

(Select all that apply)

Check all that apply.

- Live Burn Training in the Burn Building
- Evolutions in the Burn Building (No Live Fire)
- Classroom Training (Classroom #1)
- Classroom Training (Classroom #2)
- Outdoor Training Evolutions
- Vehicle Extrication
- May Day Simulator
- Other: _____

9. Start Date *

Example: January 7, 2019

10. Start Time *

Example: 8:30 AM

11. End Date *

Example: January 7, 2019

12. End Time *

Example: 8:30 AM

13. State or Department Training *

Mark only one oval.

State

Department

14. County Affiliation *

Mark only one oval.

Halifax County

Other: _____

Insurance Information

Halifax Fire Training Center needs a PDF Copy of your Workers Compensation Coverage and Liability Insurance. Please have Halifax County listed as an insured and attache a Certificate of Insurance to this link.

15. Upload Proof of insurance - a Copy of your Certificate of Insurance coverage for liability Coverage and Workers Compensation *

Files submitted:

This content is neither created nor endorsed by Google.

Google Forms



311 Court Street
Danville, VA 24541
Cell: 434.429.3088
Office: 434.799.0800
Fax: 434.799.0801
www.srgus.net

Repair Proposal for Halifax/South Boston Burn Building
Steve Dishman
March 23, 2021

This estimate reflects the needed repairs based on the VDFP Report Supplied in December of 2017, our own onsite inspection and the current 1402 requirements. The division two burn room is very small it does not have two exits; it does have an opening larger than a doorway. The room changes will create a burn room size 144 Sq Ft. In addition, none of the burn room walls are lined. There are no interior doors on the division one burn room doorways. These items will be addressed as part of the repairs and upgrades once a structural inspection has been performed. Lining the burn rooms requires approximately 1200 Sq. Ft. of Padgenite. The proposal also covers exterior and critical surfaces that may be exposed to heat. An early phase structural inspection is required to assure structural integrity and repair feasibility.

The proposal as submitted would bring the building into compliance with the current revision of NFPA 1402 and VDFP Policy.

SRG 
INC.
ENGINEERING SOLUTIONS

To Steve Dishman
Date 3/23/2021

Estimate for Remedial Repairs and Upgrades

1 Remove organic growth around building and seal wall to slab gap	\$ 327.50
2 Sand and Paint windows and doors with high temperature black paint	\$ 1,212.50
3 Replace door sweeps 4 locations	\$ 597.50
4 Replace VDFP signage with current requirements 6 locations	\$ 3,864.00
5 Replace sensors and TMS, add alarms to exterior	\$ 18,500.00
6 Repair delta side wall crack near door	\$ 390.00
7 Cover expansion slots with SS plates	\$ 520.00
8 Repair cracked concrete at corners of the steps with the railing	\$ 780.00
9 General re-point mortar cracks at various locations	\$ 520.00
10 Replace 5 wall sections interior non-load bearing according to current design detail	\$ 17,900.00
11 Structural Inspection with written report	\$ 5,500.00
12 Replace Burn Cribs x 3	\$ 2,500.00
13 Add 3 Lined doors for burn rooms	\$ 9,600.00
14 Fabricate and install new chop out frame and cover	\$ 2,850.00
15 Add Heat Shields and exterior heat protection at windows and door	\$ 8,700.00
16 Fully Line interior walls in burn rooms	Approx 1200 Sq Ft.
	\$ 91,800.00
Total	\$ 165,561.50

HOPEWELL FIRE & EMS LIVE FIRE TRAINING STRUCTURE REQUEST

LIVE STRUCTURE COMMITTEE MEETING 9/21/2023



CITY OF HOPEWELL

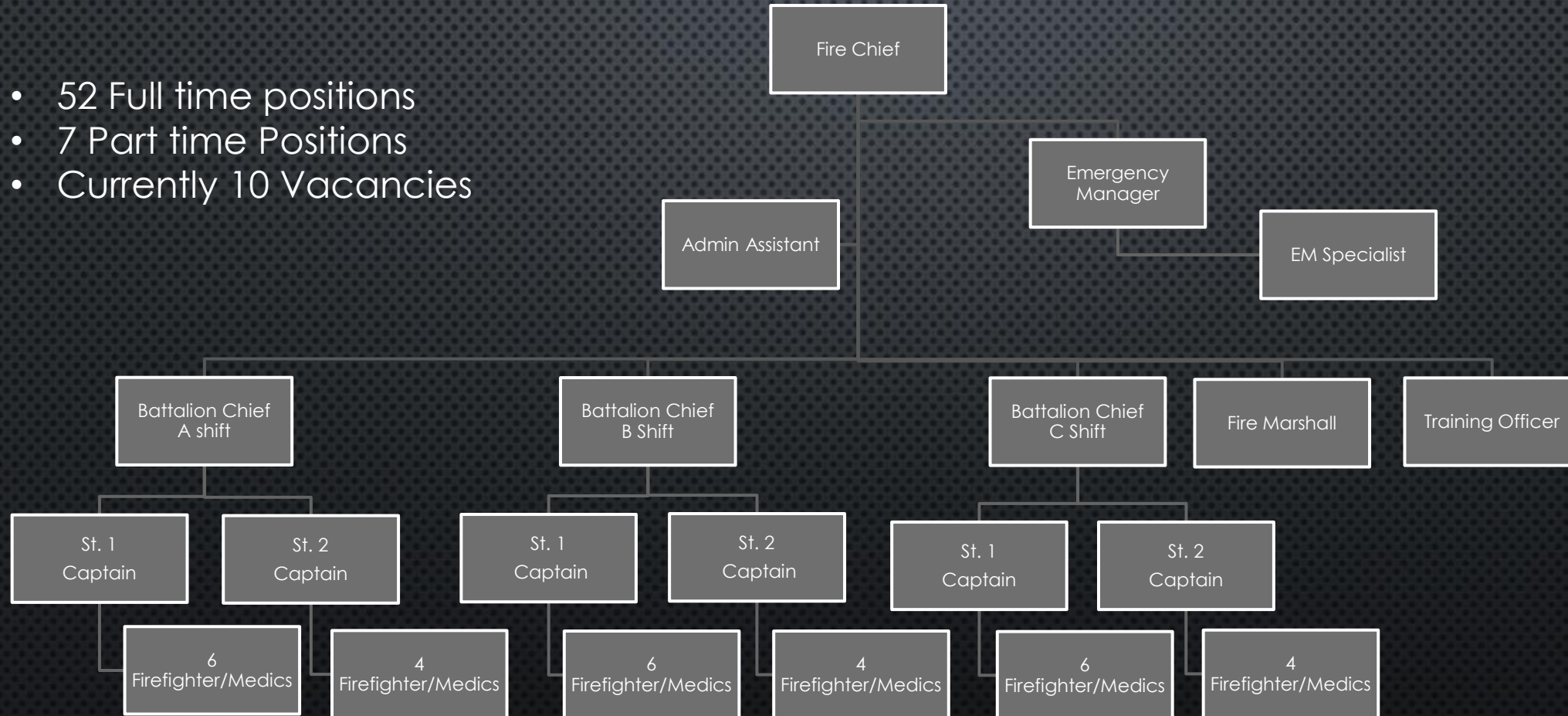
- INCORPORATED IN 1916
- 11 SQUARE MILES
- 23,000 PEOPLE
- PAID FIRE DEPARTMENT SINCE 1916
- THE CITY OF HOPEWELL BURNT ALMOST COMPLETELY TO THE GROUND IN DECEMBER OF 1915.



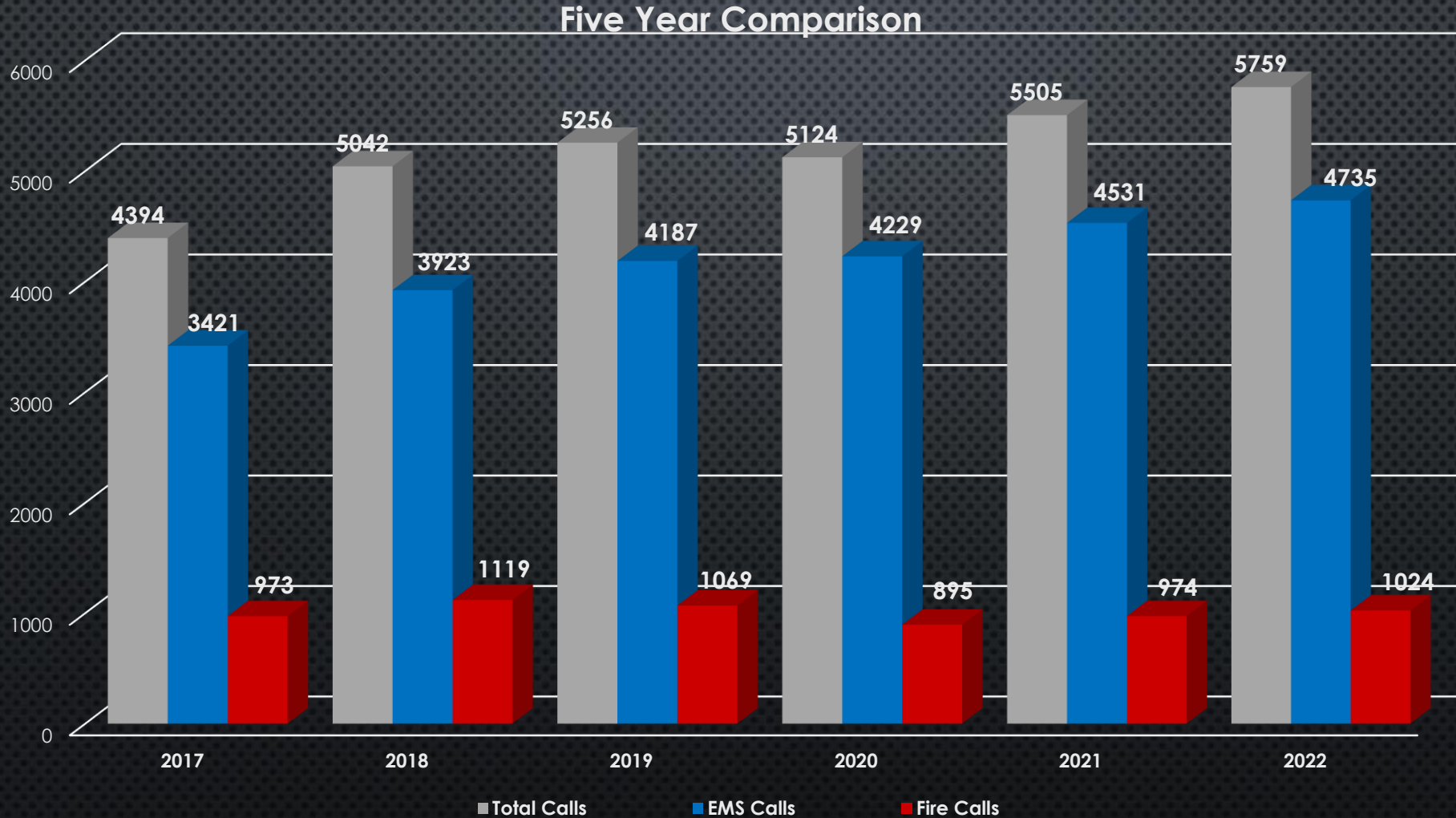
HOPEWELL FIRE & EMS ORGANIZATION



- 52 Full time positions
- 7 Part time Positions
- Currently 10 Vacancies

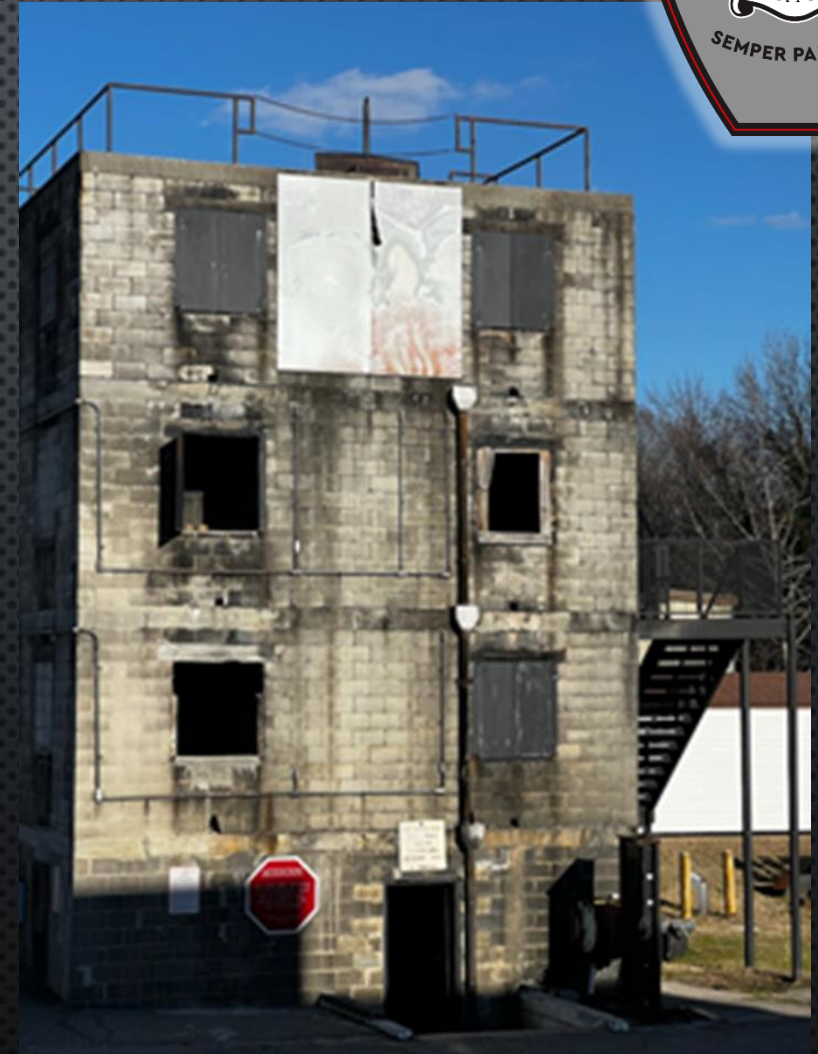


HOPEWELL FIRE & EMS CALLS FOR SERVICE



HOPEWELL FIRE & EMS PARTNERSHIPS

- Hopewell Maintains Mutual Aid agreements with all of its surrounding Cities/Counties
- We currently have agreements with the Cities of Colonial Heights, Petersburg, and the Counties of Prince George and Dinwiddie for Regional Technical Rescue and Hazmat teams.
- We are currently conducting a joint recruit school made up of 34 recruits from across all five jurisdictions.
- The Hopewell Burn building has been a staple for regional fire department training for over 40 years. Many regional recruit schools, as well as individual recruit schools and in-service training by all five jurisdictions, have been hosted at the Hopewell facility.



STATE OF CURRENT FACILITY

- Current facility has been condemned for live fire use
- None of the other Crater regional departments have a functional Burn building
- We have letters of support from all of our neighbors on this project.
- We have been unable to secure the VDFP burn trailer for in-service training.
- Extended travel times for other available burn buildings.
- Live Fire Training has been an integral part of What Hopewell Fire is for many years.



NEW TRAINING SITE

- WE HAVE SECURED THE CITY'S DECOMMISSIONED WASTEWATER PLANT SITE FOR THE NEW SITE TRAINING SITE.
- TIMMONS HAS COMPLETED THE SITE LAYOUT.
- MUNICIPAL WATER SOURCE ALREADY ON SITE.



THE DRAWING INFORMATION CONTAINED HEREIN IS THE PROPERTY OF TIMMONS GROUP, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN.	
DATE	3/6/2023
YOUR DESIGN APPROVED THROUGH GUS:	
DATE	
DATE	3/6/2023
DRAWN BY	E. WOITEN
DESIGNED BY	J. ALLESIE
CHECKED BY	K. HALPAUS
SCALE	1"=20'
TIMMONS GROUP	
HOPEWELL FIRE TRAINING FACILITY	
CITY OF HOPEWELL, VIRGINIA	
SITE PLAN LAYOUT	
JOB NO.	58399
DATE	

NEW TRAINING SITE

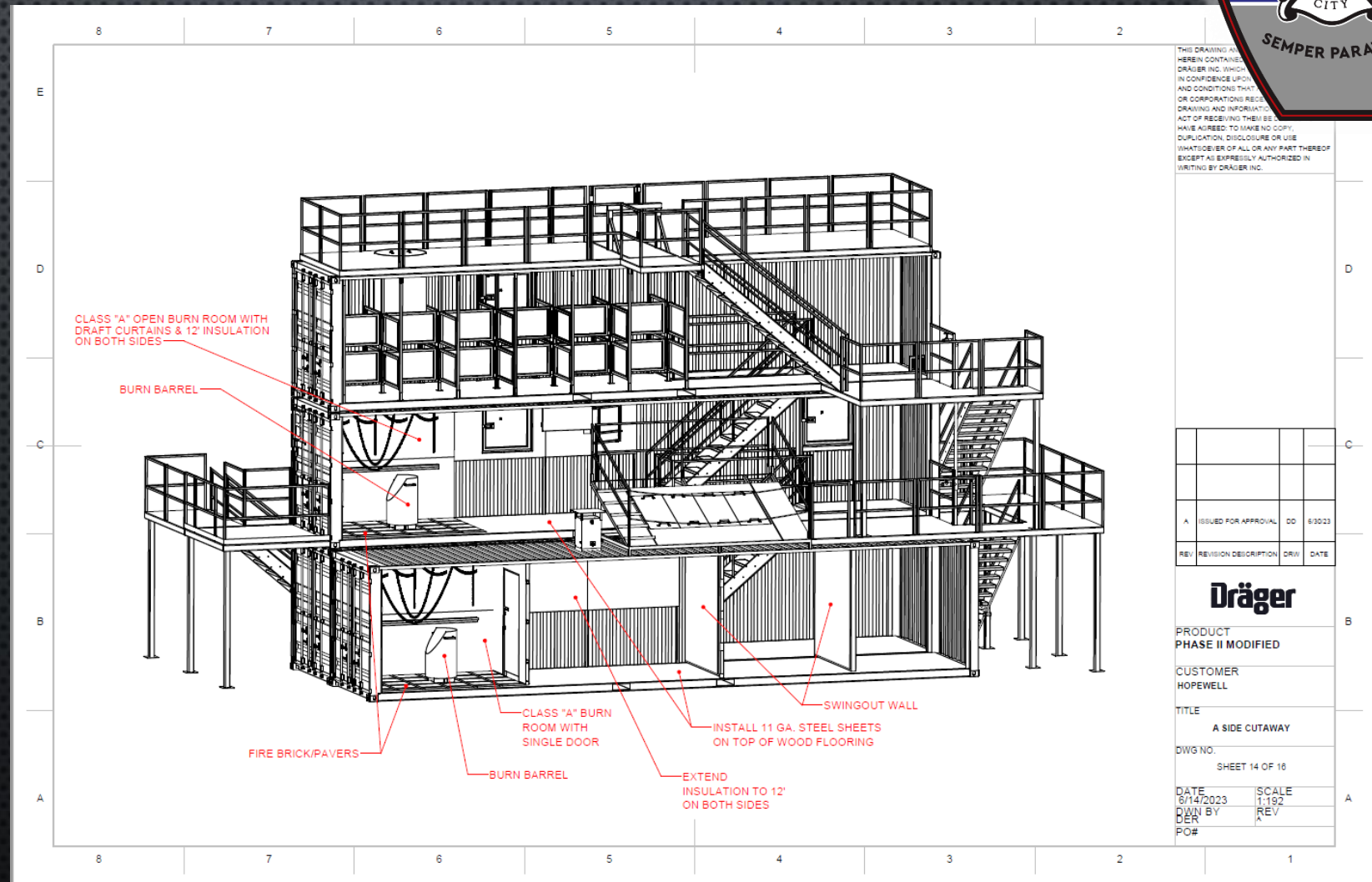
- AMPLE SPACE FOR PARKING, FUTURE DEVELOPMENT OF ADDITIONAL PROPS, INCLUDING INDUSTRIAL PROPS TO BE PROVIDED BY LOCAL INDUSTRY.
- SPACE FOR A FUTURE CLASSROOM FACILITY ONSITE.
- CITY COUNCIL APPROVED THE MATCH REQUIRED FOR THIS GRANT IN THE 2024 BUDGET



<p>TIMMONS GROUP</p> <p>HOPEWELL FIRE TRAINING FACILITY CITY OF HOPEWELL, VIRGINIA SITE PLAN LAYOUT</p>	<p>DATE: 3/6/2023</p> <p>DRAWN BY: E. WOITEN</p> <p>DESIGNED BY: J. ALLESIE</p> <p>CHECKED BY: K. HALPAUS</p> <p>SCALE: 1"=20'</p>
	<p>JOB NO.: 58399</p> <p>DATE: 3/6/2023</p>

PROPOSED SOLUTION

- Drager 5 container
- class A Burn Building
- 2 burn rooms, including 1 rollover simulator
- Roof prop
- Denver Drill Prop
- Confined Space Prop
- Maze Prop
- Moveable walls
- Standpipe connections
- Rappelling functionality
- NFPA 1402 Compliance
- Fully Engineered plans





QUESTIONS?

BENJAMIN RUPPERT
FIRE CHIEF, CITY OF HOPEWELL
BRUPPERT@HOPEWELLVA.GOV
804-541-2288



Update on Prototype 4 – Modular Live Fire Training Structure

September 21, 2023



Update on Prototype 4 – Modular Live Fire Training Structure



Today's Discussion Will Cover:

- **Standardization of Grant Program**
- **Current VDFP Prototypes**
- **Ongoing Maintenance Issues of Existing Live Fire Training Structures**
- **Grant Process for New Live Fire Training Structures**
- **Need for VDFP Prototype 4**
- **VDFP Prototype 4 Design Requirements**
- **VDFP Prototype 4 Design Considerations**
- **TSG Project Deliverables**



Update on Prototype 4 – Modular Live Fire Training Structure

Standardization of Grant Program

Development of Minimum Guidelines and Permanent Prototypes (2006 – 2011)

- Maintenance costs exceeding annual budgets
- Live fire training structures varying from one (1) story CMU bunker structure in Lee County to three (3) story CMU/structural steel structure with four (4) story training tower (Taj Mahal) in Virginia Beach
- Unequitable distribution of maintenance funds
- Localities being solicited by vendors
- Interest of localities not represented by an A/E firm
- Minimum requirements to meet Firefighter 1 and 2
- 20-year minimum design life for new live fire training structure



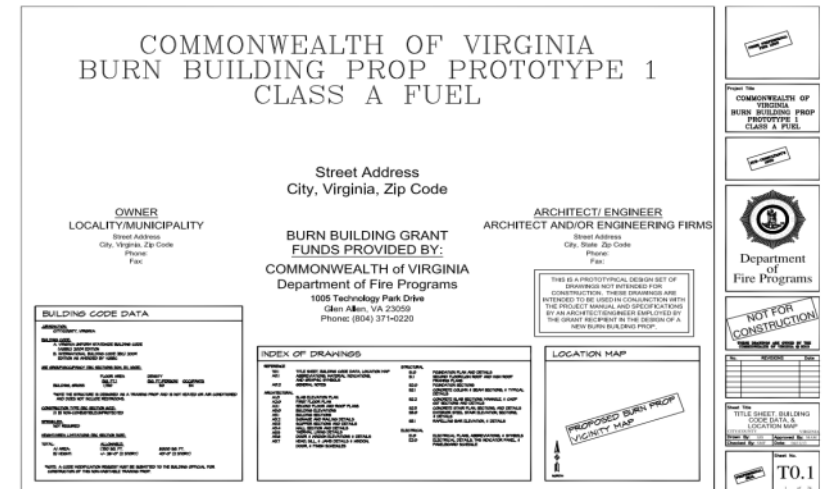
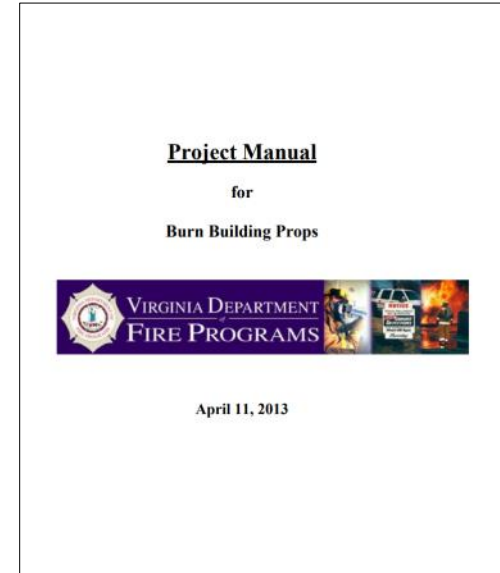


Update on Prototype 4 – Modular Live Fire Training Structure

Current VDFP Prototypes

Results of Standardization for Grant Program in 2011

- Sample project manual with guideline specifications
- Summary of Burn Building Prop Grant Program
 - Program criteria consisting of forty-two (42) items
- Sample construction drawings with guideline specifications
- Development of Prototypes 1, 2, and 3
 - Class “A” Fuel
 - Class “B” Fuel





Update on Prototype 4 – Modular Live Fire Training Structure

Current VDFP Prototypes

VDFP Prototype 3 - Mobile Burn Building

- Specifications provided to VDFP September 2009
- Class “B” fuel
- Twenty-eight (28) minimum requirements
 - 100psf live load
 - Two (2) stories with two (2) 100sf burn rooms
- Owned and operated by VDFP
 - Confidence in maintenance/upkeep
 - Confidence in training environment
- Locality responsible for stable training pad





Update on Prototype 4 – Modular Live Fire Training Structure

Ongoing Maintenance Issues of Existing Live Fire Training Structures

Locality Responsibility to Maintain Structure

- **Annual Reviews**
 - Historically poor performance but getting better
- **Five (5) year Structural Review**
- **Maintenance Concerns**
 - Structural stability
 - Impingement
 - Means of egress
 - TMS



Spotsylvania (2017)



Greenville County (2023)



Update on Prototype 4 – Modular Live Fire Training Structure

Grant Process for New Live Fire Training Structures

Grant Application Process for New Structures

- Design of live fire training structure must meet minimum guidelines
 - Size
 - Operation
 - Inspection/Testing
- Localities shall employ an A/E to design live fire training structures
 - A/E represents locality in meeting design requirements, protecting their fiduciary interest
- Construction documents shall be:
 - Solicited to multiple bidders by locality in accordance with state procurement regulations
 - Provided to VDFP for review to construct according to grant
 - Submitted to AHJ for building permit



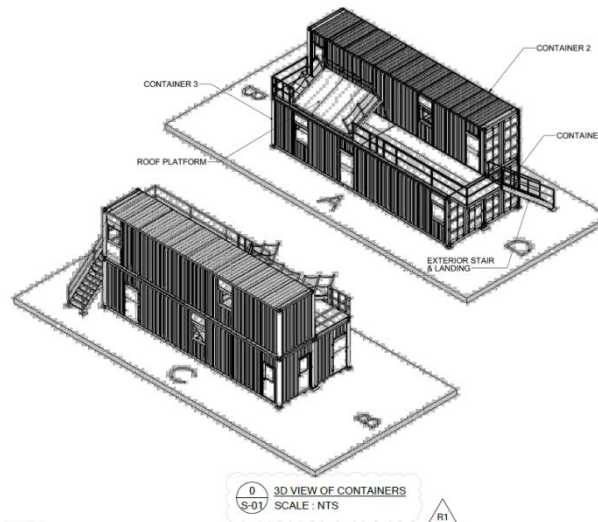
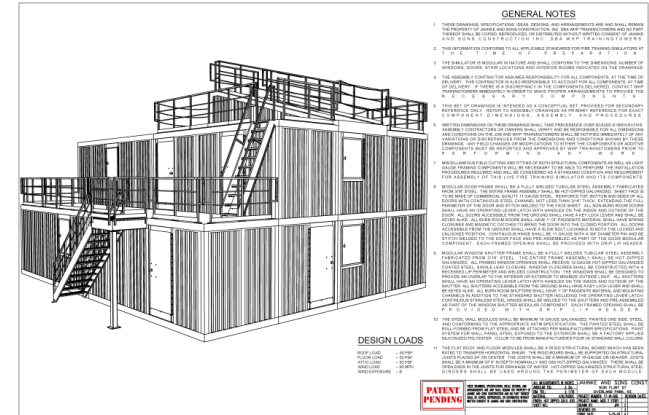
Update on Prototype 4 – Modular Live Fire Training Structure

Need for VDFP Prototype 4

Several Localities Submitting Modular Style for Review

- Harrisonburg (2019)
- MODx proprietary modular system

- Goochland (In Review)
- ISO 668 Containers



ISO designation *	Common Name *	External dimensions			Minimum internal dimensions **			Maximum Gross Mass *
		Length	Height	Width	Length	Height	Width	
1EEE ***	45 foot high cube	45 ft / 13.716 m	9' 6" / 2.896 m	8 ft / 2.438 m	13.542 m / 44' 5.15"	8' 8.5" / 2.330 m	2,330 m / 7' 7.73"	36,000 kg **** / 79,370 lbs
1EE ***	45 foot standard		8' 6" / 2.591 m					
1AAA	40 foot high cube	40 ft / 12.192 m	9' 6" / 2.896 m	8 ft / 2.438 m	11.998 m / 39' 4.375"	8' 8.5" / 2.350 m	2,350 m / 7' 8.5"	36,000 kg **** / 79,370 lbs
1AA	40 foot standard		8' 6" / 2.591 m					
1A	40 foot		8 ft / 2.438 m			2,197 m / 7' 2.5"		
1BBB	30 foot high cube	29' 11.25" / 9.125 m	9' 6" / 2.896 m	8 ft / 2.438 m	8.931 m / 29' 3.6"	8' 8.5" / 2.350 m	2,330 m / 7' 7.73"	36,000 kg **** / 79,370 lbs
1BB	30 foot standard		8' 6" / 2.591 m					
1B	30 foot		8 ft / 2.438 m			2,197 m / 7' 2.5"		
1CCC	20 foot High Cube	19' 10.5" / 6.058 m	9' 6" / 2.896 m	8 ft / 2.438 m	5.867 m / 19' 3"	8' 8.5" / 2.350 m	2,350 m / 7' 8.5"	36,000 kg **** / 79,370 lbs
1CC	20 foot standard		8' 6" / 2.591 m					
1C	20 foot		8 ft / 2.438 m			2,197 m / 7' 2.5"		
1D	10 foot	9' 9.75" / 2.991 m	8 ft / 2.438 m	8 ft / 2.438 m	2.802 m / 9' 2.3"	2,197 m / 7' 2.5"		10,160 kg / 22,400 lbs
1E *****	6 1/2 foot	6' 5.5" / 1.968 m	8 ft / 2.438 m	8 ft / 2.438 m	1.778 m / 5' 10"	2,197 m / 2,330 m / 7' 2.5"		7,110 kg / 15,700 lbs
1F *****	6 foot	4' 9.5" / 1.460 m	8 ft / 2.438 m	2,438 m	1.270 m / 4' 2"	7' 2.5"		5,080 kg / 11,200 lbs

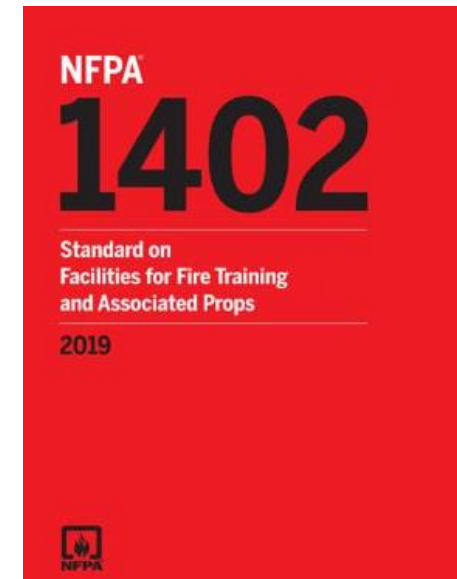


Update on Prototype 4 – Modular Live Fire Training Structure

VDFP Prototype 4 Design Requirements

2019 Edition of NFPA 1402

- Addresses design and construction of training structures and props
- Chapters 6 provides design/construction requirements
 - Section 6.1.1- Training structures shall meet the design/construction requirements of the AHJ
 - Section 6.1.2- Training structures shall be anchored to ensure stability
 - Section 6.1.5- Stairs shall meet the requirements of the building code
 - Section 6.1.6- Guardrails and handrails shall be provided at locations required by the building code
 - Section 6.1.8- Floors and roofs of training structures shall be designed to support dead loads plus minimum 50psf live load
 - Section 6.1.9.1- If floors slope to interior or exterior drains, the floor shall be designed to support the weight of maximum quantity of water that could accumulate if the drains clog



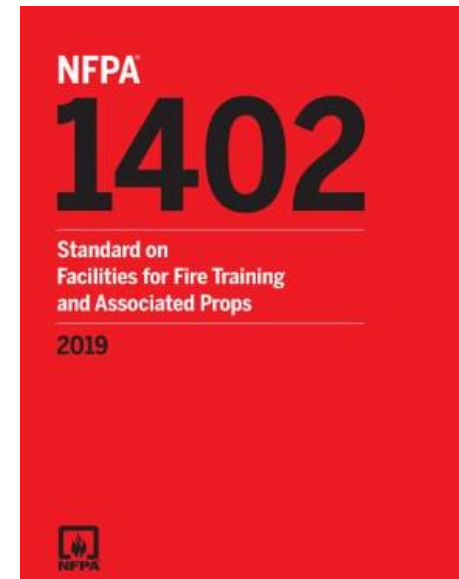


Update on Prototype 4 – Modular Live Fire Training Structure

VDFP Prototype 4 Design Requirements

2019 Edition of NFPA 1402

- **Chapters 7 provides additional design/construction requirements specific to live fire training structures**
 - **Section 7.1.1- Live fire training structures shall meet the requirements of Chapters 6 and 7**
 - **Section 7.1.2- Structural components in burn rooms ... shall be constructed of noncombustible materials**
 - **Section 7.1.3 Live fire training structures shall be designed by a licensed design professional**
 - **Section 7.1.4- All components in burn room exposed to flame impingement shall be designed for such exposure**
 - **Section 7.1.4.1- Load-bearing structural elements exposed to temperatures exceeding 350°F shall be protected with thermal lining**
 - **Section 7.1.5- Burn rooms shall have two doors that exit or a door and a window**
 - **Section 7.1.8- Doors and window shutters must resist binding and operate from both sides during live fire training**



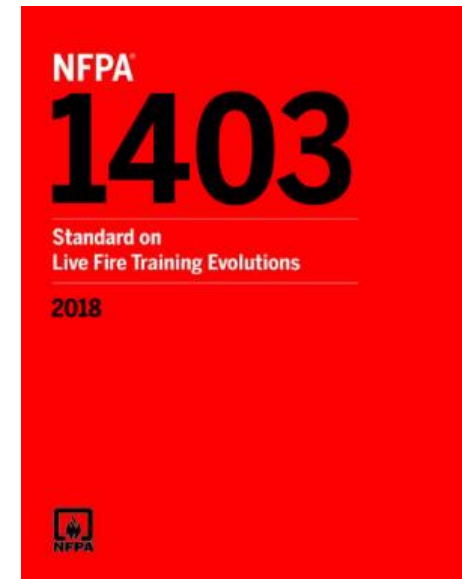


Update on Prototype 4 – Modular Live Fire Training Structure

VDFP Prototype 4 Design Requirements

2018 Edition of NFPA 1403

- Addresses operation and training within live fire training structures
- Also addresses maintenance and inspections of live fire training structures immediately prior to and post training
 - Chapter 6 – Gas (Class “B”)
 - Chapter 7 – Non-Gas (Class “A”)





Update on Prototype 4 – Modular Live Fire Training Structure

VDFP Prototype 4 Design Requirements

2018 Edition of IBC

- 2018 Edition of IBC allowed use of shipping containers as structural building materials through the ICC Evaluation Service.
- The ICC Evaluation Service titled “Acceptance Criteria for Structural Building Materials From Shipping Containers AC462”. This document required:
 - Manufacturer to be identified
 - Certified for compliance with the Rules for Certification of Cargo Containers and the International Convention for Safe Containers for use as shipping containers
 - Copies of the specifications and drawings are to be submitted
- The ICC Evaluation Report requires the submittal of these documents, plans, and calculations to the Authority Having Jurisdiction (AHJ) for the final structure to be constructed



ACCEPTANCE CRITERIA FOR STRUCTURAL BUILDING MATERIALS FROM SHIPPING CONTAINERS

AC462

Approved October 2018

Previously approved February 2016

PREFACE

Evaluation reports issued by ICC Evaluation Service, LLC (ICC-ES), are based upon performance features of the International Family of codes. (These reports may also reference older code families such as the BOCA National Codes, the Standard Codes, and the Uniform Codes.) Section 106.11 of the International Building Code® reads as follows:

The provisions of this code are not intended to prevent the installation of any materials or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.

This acceptance criteria has been issued to provide interested parties with guidelines for demonstrating compliance with performance features of the codes referenced in the criteria. The criteria was developed through a transparent process involving public hearings of the ICC-ES Evaluation Committee, and/or on-line postings where public comment was solicited.

New acceptance criteria will only have an “approved” date which is the date the document was approved by the Evaluation Committee. When existing acceptance criteria are revised, the Evaluation Committee will decide whether the revised document should carry only an “approved” date or an “approved” date combined with a “compliance” date. The compliance date is the date by which relevant evaluation reports must comply with the requirements of the criteria. See the ICC-ES web site for more information on





Update on Prototype 4 – Modular Live Fire Training Structure

VDFP Prototype 4 Design Requirements

2021 Edition of IBC

- **The 2021 Edition of the IBC**
 - Has not been adopted by the Commonwealth of Virginia
 - Anticipated adoption is early 2024
- **New Section 3115, Intermodal Shipping Containers**
 - **Shipping Container Information per ISO 6346**
 - 1) Manufacturer's name
 - 2) Date Manufactured
 - 3) Safety Approval Number
 - 4) Identification Number
 - 5) Maximum operating gross weight
 - 6) Allowable stacking load
 - 7) Transverse racking test force
 - 8) Valid maintenance examination date
 - Structural design in accordance with Chapter 16
 - Permanent anchorage to foundation for permanent buildings





Update on Prototype 4 – Modular Live Fire Training Structure

VDFP Prototype 4 Design Considerations

Evolving New Technology and Methodology Resulting in Unique Structures

- **Anchorage and connection of containers/boxes**
 - Wind and Seismic loading
- **Expansion of steel from potential temperature $\Delta T = 750^{\circ}\text{F}$**
 - For 8'-0" width: Expansion = .47"
 - For 40'-0" length: Expansion = 2.34"
- **Exposed steel**
 - Weather
 - Conducting heat
- **Meeting Firefighter 1 and Firefighter 2 training requirements**
- **Providing 20-year minimum design life for new live fire training structure**
- **Maintenance by locality**





Update on Prototype 4 – Modular Live Fire Training Structure

Project Deliverables

Project Manual for VDFP Prototype 4

- Sample Construction Drawings
 - Class “A” and Class “B” Fuels
- Sample Specifications

Provide to VDFP by December, 2023

COMMONWEALTH OF VIRGINIA
 BURN BUILDING PROP PROTOTYPE 4
 MODULAR BUILDING – CLASS A FUEL

OWNER
 LOCALITY/MUNICIPALITY
 Street Address
 City, Virginia Zip Code
 Phone:
 Fax:

Street Address
 City, Virginia, Zip Code

BURN BUILDING GRANT FUNDS PROVIDED BY:
 COMMONWEALTH of VIRGINIA
 Department of Fire Programs
 1005 Technology Park Drive
 Glen Allen, VA 23059
 Phone: (804) 371-0220

ARCHITECT/ ENGINEER
 ARCHITECT AND/OR ENGINEERING FIRMS
 Street Address
 City, State Zip Code
 Phone:
 Fax:

BUILDING CODE DATA

JURISDICTION
 CITY/COUNTY, VIRGINIA

BUILDING CODE:
 A. VIRGINIA UNIFORM STATEWIDE BUILDING CODE (VUBC) 2008 EDITION
 B. INTERNATIONAL BUILDING CODE (IBC) 2008 EDITION AS AMENDED BY VUBC

USE GROUP/OCCUPANCY (IBC SECTIONS 502, 506): EDUCATIONAL, SHOP

BUILDING (IBCS)	FLOOR AREA SQ. FT.	DENSITY	OCCUPANTS
	50	50	50

NOTE: THE STRUCTURE IS DESIGNED AS A TRAINING PROP AND IS NOT HEATED OR AIR CONDITIONED AND DOES NOT INCLUDE RESTROOMS

CONSTRUCTION TYPE (IBC SECTION 602):
 I) SI NON-COMBUSTIBLE/PROTECTED

SPRINKLES:
 NOT REQUIRED

HEIGHT/AREA LIMITATIONS (IBC SECTIONS 501 AND 508): UTILITY OCCUPANCY

TOTAL	ALLOWABLE	USE SQ. FT.	8500 SQ. FT.
AI AREA:	1000 SQ. FT.	41' 4"	40'
BI HEIGHT:	(2 STORY)	(2 STORY)	(2 STORY)

NOTE: A CODE MODIFICATION REQUEST MUST BE SUBMITTED TO THE BUILDING OFFICIAL FOR CONSTRUCTION OF THIS NON-HABITABLE TRAINING PROP.

INDEX OF DRAWINGS

REFERENCE	TITLE SHEET, BUILDING CODE DATA, & LOCATION MAP	ELECTRICAL	ELECTRICAL FLOOR & ATTIC PLANS, NOTES, PANELS & ABREVIATIONS
AD1	ADDITIONAL MATERIAL INDICATORS, & GRAPHIC SYMBOLS	ED.0	ELECTRICAL DETAILS & PANELBOARD SCHEDULE
AD2	GENERAL NOTES	ED.1	
ARCHITECTURAL			
AD3	SLAB ELEVATION PLAN		
AD4	FIRST FLOOR PLAN		
AD5	SECOND FLOOR PLAN		
AD6	ATTIC FLOOR & SLOPED ROOF PLANS		
AD7	BUILDING ELEVATIONS		
AD8	BUILDING SECTIONS		
AD9	SCOPES, MARKS, & THERMAL LINSING DETAILS		
AD0	SIGNAGE, RAILING, & CRUISEPORT DETAILS		
AD1			
STRUCTURAL			
SI.0	FOUNDATION PLAN BEARING WALL DESIGN		
SI.1	& COLUMN FIBR SCHEDULE		
SI.2	FOUNDATION PLAN MAIN FRAME DESIGN		
SI.3	& COLUMN FIBR SCHEDULE		
SI.4	FOUNDATION SECTIONS & DETAILS		
SI.5	EXTERIOR STEEL STAIR ELEVATION SECTIONS & DETAILS		

LOCATION MAP

PROPOSED BURN PROP VICINITY MAP

THIS IS A PROTOTYPICAL DESIGN SET OF DRAWINGS NOT INTENDED FOR CONSTRUCTION. THESE DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE PROJECT MANUAL AND SPECIFICATIONS BY AN ARCHITECT/ENGINEER EMPLOYED BY THE GRANT RECIPIENT IN THE DESIGN OF A NEW BURN BUILDING PROP.

PROFESSIONAL SEAL

Project Title
 COMMONWEALTH OF VIRGINIA
 BURN BUILDING PROP PROTOTYPE 4
 CLASS A FUEL

PROFESSIONAL SEAL

Department of Fire Programs

NOT FOR CONSTRUCTION

THESE DRAWINGS ARE OWNED BY THE COMMONWEALTH OF VIRGINIA © 2023

No.	REVISIONS	Date

Sheet Title
TITLE SHEET, BUILDING CODE DATA, & LOCATION MAP

CITY/COUNTY: VIRGINIA
 Drawn By: ATA Approved By: MAM
 Checked By: MAM Date: 08/01/23

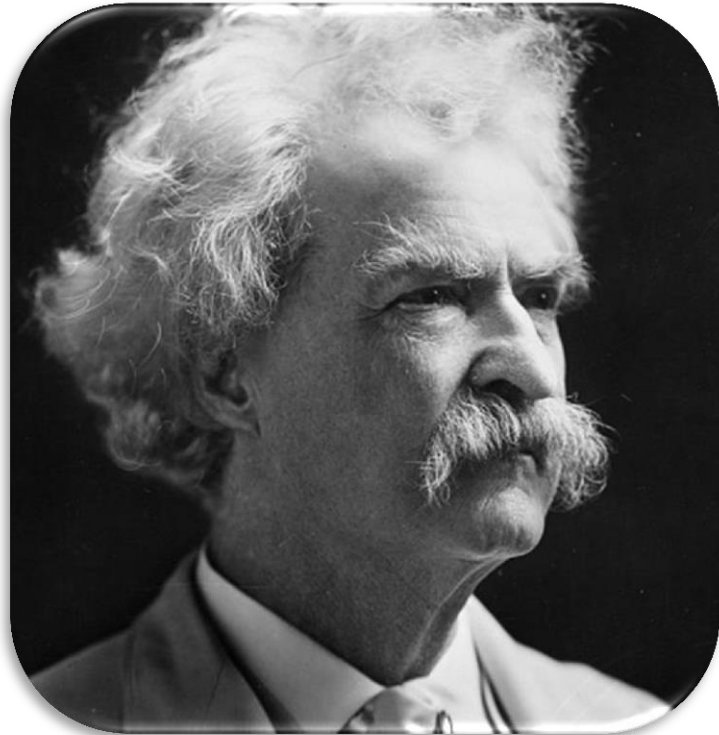
PROFESSIONAL SEAL

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1 of 17



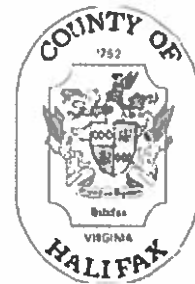
Update on Prototype 4 – Modular Live Fire Training Structure



*“History doesn’t repeat itself,
but it often rhymes.”*

- Samuel Clemens
(Mark Twain)

ANY QUESTIONS?



Halifax County Emergency Services

P. O. Box 699
Halifax, Virginia 24558

Phone: (434) 476-3300 x3330

Fax: (434) 476-3384

E-mail: jhj@co.halifax.va.us

To: Whom it may concern
From: Jason Johnson, Emergency Services Coordinator
Date: June 13, 2023
Re: Burn Building Grant Application

Ladies and Gentlemen,

Enclosed is a grant application for a new burn building in Halifax County. As many of you know our burn building is not able to be used currently due to many repairs that are needed. The damages that occurred in our building happened in prior administrations and beyond our control. We realize mistakes were made in previous years and have taken corrective actions on policies and procedures for use of a new burn building. If awarded this grant, there will also be a new line item in the budget for maintenance and repairs for the burn building in order to help reduce the risk of a new building getting into the same shape the current one is in.

The current building was one of the first in the state to be built. The building was built in 1999 and currently has not been used since 2017 due to damages and the building is currently 24 years old. If repaired, we are looking at a cost of greater than \$175,000.00. We feel that building a new building would be better option. We can start fresh with new building and new policy and guidelines for use. This will also increase our training because with the new building we can change room designs instead of the same routine every time. Currently our firemen are traveling to areas greater than 70 miles to get time in a burn building.

This area was home to a state school for many years and Halifax and South Boston have a long history with fire training. This building will benefit not only Halifax county but surrounding counties as well so that they do not have to travel as far for training or classes. It will also benefit the Southside Fire Association which is trying to get a fire schools going again.

Please consider Halifax County as a recipient of this grant and we can assure you that we will be better than our predecessor in taking care of the new burn building. If we can be of any assistance, please contact us with the information above or on the grant application.

Thank you

Jason Johnson
Emergency Service Coordinator

Department of Fire Programs

JUN 16 2023

Administration



A. Applicant Information	
1. Title of Jurisdiction Making Application (Check <input checked="" type="checkbox"/> only one, then make entry)	<input checked="" type="checkbox"/> County of Halifax County, VA <input type="checkbox"/> City of _____ <input type="checkbox"/> Incorporated Town of _____
2. Employer Identification Number (EIN)	_____
3. Principal Point of Contact (Include salutation, name & title.)	Mr. Jason Johnson
4. Mailing Address (Include zip code+4) Identify COUNTY if appropriate →	P:O Box 699 Halifax, VA 24558 Halifax, VA
5. Telephone Number	(434 476-3300
6. FAX Number	(_____
7. Internet e-mail address	jhj@co.halifax.va.us
8. Application Scope (Check <input checked="" type="checkbox"/> only one)	<input checked="" type="checkbox"/> Sole Jurisdiction as identified in [A] <input type="checkbox"/> Multiple Jurisdictions - Complete [F]

B. Facility Information (Burn Building)	The term "burn building" refers to an unoccupied structure. The purpose of the Burn Building is to provide live fire training to fire service personnel in support of Fire Fighter I and Fire Fighter II Training throughout the Commonwealth of Virginia.
1. Current / Proposed Owner of Facility	(Party holding title to the property) Halifax County
2. In-Service Date or Age of Structure	(Leave blank if NOT an existing structure as reported in [C1] below.) Date _____ <input type="checkbox"/> Unknown If unknown, enter approximate age in years _____
3. Address of Structure (If appropriate, identify COUNTY where located.)	1016 Middle School Rd South Boston, VA 24592
4. Will the renovation or repair bring the the burn building into compliance with the current standard of NFPA 1403, including appropriate NFPA 1403 signage? If no, explain in 6. Comments.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
5. Will the construction of the burn building be in compliance with the current edition of Sections I through IV of the Summary of Burn Building Prop Grant Program as included in the VDFP Project Manual for Burn Building Props and the current standard of NFPA 1403? If no, explain in 6. Comments.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6. Comments (pertaining to Facility)	<input type="checkbox"/> None We are looking to build a new burn building that will last 25 years or more. The building is a prototype II class A. We will use existing property on the site of our training grounds. We are also redoing our class room which is in need of significant repair. (This will be a separate project)

Department of Fire Programs

JUN 16 2023

Administration

C. Facility Usage		
1. Number of annual burns (must be documented) (for New construction, this figure is projected)	VDFP FFI Burns <input type="text" value="40"/> (in compliance with NFPA 1403 standards)	
	VDFP FFII Burns <input type="text" value="40"/> (in compliance with NFPA 1403 standards)	
	In-Service Burns <input type="text" value="30"/>	
	Other Burns <input type="text"/> (specify types of burns) Other Burns <input type="text"/> (specify types of burns)	
2. Travel to another facility	Distance traveled to closest alternate facility <input type="text" value="77"/> (in miles)	
	Time traveled to closest alternate facility <input type="text" value="2"/> (rounded to whole hours)	
3. Other localities served (list number of stations and number of firefighters served for each locality) (for New construction, this figure is projected) (if more than 5 localities are served, additional localities must be included on Additional Localities Served tab)	Name of Locality <input type="text" value="Halifax County"/> Number of stations <input type="text" value="12"/> Number of Firefighters <input type="text" value="240"/>	
	Name of Locality <input type="text" value="Brookneal Fire Department"/> Number of stations <input type="text" value="1"/> Number of Firefighters <input type="text" value="25"/>	
	Name of Locality <input type="text" value="Charlotte County"/> Number of stations <input type="text" value="3"/> Number of Firefighters <input type="text" value="75"/>	
	Name of Locality <input type="text" value="Mecklenburg County"/> Number of stations <input type="text" value="9"/> Number of Firefighters <input type="text" value="200"/>	
	Name of Locality <input type="text"/> Number of stations <input type="text"/> Number of Firefighters <input type="text"/>	
	TOTAL NUMBER OF STATIONS SERVED (from above and add') <input type="text" value="25"/>	
	TOTAL NUMBER OF FIREFIGHTERS SERVED (from above and add') <input type="text" value="540"/>	
	4. Maintenance of facility (for New construction, skip Section C.4. Section E.2. MUST be completed)	Annual Maintenance Inspections <input type="text"/> Yes <input type="text"/> No (documentation of annual inspections MUST be provided with application for inspections conducted after 12/2007)
		Previous Repair Projects <input type="text"/> Yes <input type="text"/> No (documentation MUST be provided with application for most recent repairs)

Department of Fire Program:

JUN 16 2023

Administration

D. Project Description	
1. Level of work proposed (Check <input checked="" type="checkbox"/> only one)	<input checked="" type="checkbox"/> NEW Construction where no such structure previously existed <input type="checkbox"/> RENOVATION of an existing burn building or substantially similar structure <input type="checkbox"/> REPAIR of an existing burn building (up to \$50,000)
2. Type of Building (proposed or existing)	<input checked="" type="checkbox"/> Class A fuel <input type="checkbox"/> Prototype I plans (brick, block, concrete) <input type="checkbox"/> Class B fuel <input checked="" type="checkbox"/> Prototype II plans (steel frame) <input type="checkbox"/> Other* <input type="checkbox"/> 1,800 Square Footage of Building (proposed or existing) <input type="checkbox"/> 1 Number of Burn Rooms on 1st floor <input type="checkbox"/> 1 Number of Burn Rooms on 2nd floor For New Construction: *If building plans deviate from Prototype I or II, applicant MUST define building concept and include proposed plans with application. For Renovations or Repairs: *If building plans deviate from Prototype I or II, applicant MUST include copy of existing building plans with proposed renovations/repairs.
3. Architectural and/or Engineering (A/E) (Check <input checked="" type="checkbox"/> only one for each)	Has an A/E study already been completed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable If so, is a copy attached to this application? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable
4. Condemnation and/or fitness for use (Leave [C4] blank if this application is for totally new construction; otherwise Check <input checked="" type="checkbox"/> only one for each statement.)	time of application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is there currently a scheduled date to remove the structure from service? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, enter the month & year: _____ If not presently in service, has this structure been <u>condemned</u> by a building official or other such entity legally empowered to do so? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable If yes, is a copy of such order attached to this application? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

Department of Fire Programs

JUN 16 2023

Administration

E. Financial Plan	An estimated project budget must be attached to this application. For renovation/repair projects, contractor estimates must be attached.	
1. Project Budget (Capital Expend)		
a. Expense		
i. Estimated Cost of Construction (Enter or check <input checked="" type="checkbox"/>)	\$ 740,319.00	<input type="checkbox"/> Unknown at time of application
ii. Estimated A/E Costs (Enter or check <input checked="" type="checkbox"/>)	\$ 40,000.00	<input type="checkbox"/> Unknown at time of application
iii. Estimated Total Costs (Enter or check <input checked="" type="checkbox"/>)	\$ 780,319.00	<input type="checkbox"/> Unknown at time of application
b. Revenue		
i. Grant Funding Being Requested New construction maximum \$450,000	\$ 480,000.00	
ii. Matching / Cost Share Funds	\$ 300,319.00	
iii. Source of Matching Funds (local contributions, donations, etc.)	Local county Contribution through private donations	
2. Operating Budget (Maint. Expend)		
a. Is there a financial agreement among partnering localities?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable
b. Is there a local budget for annual maintenance costs?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
c. Is there a local budget for annual inspection costs?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
d. Is there a local budget for 5-year inspection costs?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Department of Fire Programs

JUN 16 2023

Administration

F. Additional Parties of Interest (Mark N/A and skip section [D] if not applicable - see [A.8])	Identify hereunder ALL jurisdictions (Not their Departments) otherwise participating in the proposed project. Attach additional sheets as may be required.
1. NON-Applicability	<input checked="" type="checkbox"/> No parties other than the jurisdiction identified in [A] above.
2. Formal Agreement Among Parties	Is there a formal agreement among parties with regard to the proposed project ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input type="checkbox"/> No Is there a formal agreement among parties with regard to the shared use of the facility ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input type="checkbox"/> No

{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete one each for ALL other Parties of Interest	Number <input type="text" value="1"/> of a total of <input type="text" value="1"/> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2.)	
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make entry)	<input checked="" type="checkbox"/> County of <input type="checkbox"/> City of <input type="checkbox"/> Incorporated Town of	<input type="text" value="Halifax"/> <input type="text"/> <input type="text"/>
2c. Employer Identification Number (EIN)	<input type="text" value="54"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
2d. Principal Point of Contact	(Include salutation, name & title.) <input type="text"/>	
2e. Mailing Address Identify COUNTY if appropriate →	(Include zip code+4) <input type="text"/> <input type="text"/> <input type="text"/>	
2f. Telephone Number	<input type="text" value="()"/>	
2g. FAX Number	<input type="text" value="()"/>	
2h. Internet e-mail address	<input type="text"/>	

Department of Fire & Emergency Services
 JUN 16 2023
 Administration

G. Electronic Transfer of Funds Information

Note ☞ The completion of this section is optional at the time of application and will not hinder determination of eligibility, etc. However, if not provided and since funds will only be transferred electronically, disbursement will be delayed until this information is properly provided.

- 1. Account Ownership Information
Employer Identification Number

		...							
--	--	-----	--	--	--	--	--	--	--

SSN may **NOT** be substituted.

Complete next three (3) entries ONLY if Name is different than ACCOUNT TITLE as it appears in (E2).

NAME	(Last, First, Initials)	
	(Telephone Number)	
MAIN		
	(Telephone Number)	
ALTERNATE		

- 2. Direct Deposit Account Information
(Check one Type of Account)

Checking Savings

ROUTING TRANSIT NUMBER	(9 digits)	
ACCOUNT NUMBER		
ACCOUNT TITLE		
FINANCIAL INSTITUTION		

Department of Fire Programs
JUN 16 2023
Administration



Note ☞ This section of the application MUST be properly executed for the

- City Manager /or/ Deputy
- County Administrator /or/ Deputy
- Town Manager /or/ Mayor
- Or other duly authorized official but only when the application

Only completed applications can be acted upon.

CERTIFICATION

This application is made on behalf of the jurisdiction above described [A] with the full knowledge and belief that all representations herein made are true and correct.

Scott Simpson | 06/12/2023
 Signature | Date

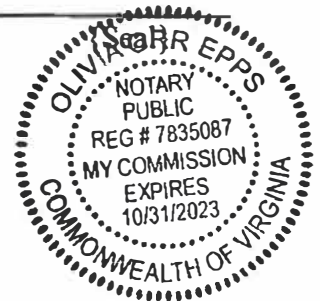
Scott Simpson | County Administrator
 Printed Name | Title

(All applications must be notarized to be considered -- incomplete forms shall be returned.)

State of Virginia }
 }
 City / County of Halifax }

On this 12th day of June (month) in 2023 (year), before me, the undersigned a Notary Public for the Commonwealth of Virginia, personally appeared Scott R. Simpson to me known (or to me proved) to be the identical person named herein and having in my presence executed the above, and acknowledged that he executed same as his voluntary act and deed.

My Commission expires: 10/31/2023 | Olivia R Epps
 Date | Notary Public





May 2, 2023

Ref. Number: Q- 2317920

Halifax County Emergency Services
1050 Mary Bethune Street
Halifax, VA 24558

Attention: Director Jason Johnson

Phone: (434) 572-7234

Via Email: jhj@co.halifax.va.us

Subject: Budgetary Pricing for Fire Training Facility

Dear Director Johnson,

Thank you for your interest in WHP Trainingtowers. Per your request, we are pleased to provide you with the following rough order of magnitude cost estimate for a Second Alarm Extended WHP training simulator with two burn rooms and options for more functions. This design meets Prototype II, Class A under the Virginia Department of Fire Programs grant program, subject to review. Please understand that this is our base proposals but the requirements per Virginia Fire Programs grants are somewhat unique, we have broken some of them out separately, every building becomes unique, we can work with you, but the circumstances per grant funding become unique and need to be revised per project in Virginia. Additional line items have been added for a three story training tower and the associated costs of concrete fill on deck, larger foundation, and larger apron.

The simulator would consist of a structure comprised of the following:

- I. Section B will be a **Two-Story Residential/Industrial** section approximately 21'-11" W x 35'-0" L x 24'-0" H.
 - a. One (1) gable roof, 5/12 and 9/12 un-equal pitch with perimeter welded guardrail
 - b. Two (2) 8'-0" chain gates, one (1) on each 35'-0" face of the residential/industrial gabled roof
 - c. Two (2) chop outs on gabled roof, one (1) 48" x 48" chop out and one (1) 48" x 96" chop out
 - d. One (1) attic space provided between the gabled roof and the second floor
 - e. One (1) 3' x 3' framed window opening with latching shutter at exterior gabled end of the attic

Page 1 of 3

519 Duck Road, Grandview, MO 64030 | P: 800.351.2525 | www.TrainingTowers.com | Info@TrainingTowers.com

Department of Fire Program

JUN 16 2023

- f. One (1) interior two story intermediate landing stair
- g. Five (5) 3' x 4' framed window openings with latching shutters
- h. Seven (7) 3' x 7' exterior plate steel doors with hardware
- i. One (1) 12'x12' burn room lined with a Padgenite InterLock lining system and firebrick floor (including lining outside of burn room per VDFP requirements)
- j. Two (2) 3' x 7' interior plate steel burn room door with hardware

2. Section C will be a **One-Story Annex** approximately 21'-11" W x 14'-6" L x 10'-0" H (Divided into 2 rooms, one burn room and one non-burn room).

- a. One (1) 3' x 4' framed window openings with latching shutters
- b. One (1) 3' x 7' exterior plate steel burn room door with hardware
- c. One (1) 3'x7' plate steel door and hardware
- d. 12'x14'-6" room shall be protected with a Padgenite InterLock liner system and firebrick floor (including lining outside of burn room per VDFP requirements)

Materials and Freight is estimated at:	\$365,616.00
Labor is estimated at:	<u>\$154,465.00</u>
Total:	\$520,081.00

VDFP Requirements in addition to standard pricing:

Two story Exterior Stair with one door	\$12,339.00
15' Apron on the perimeter of building	\$47,960.00
Temperature monitoring audible/visual monitoring per VDFP specs	\$1,816.00
Required VDFP signage on A,B,C, and D sides of the building	\$3,600.00
Forcible Entry WHP Door Insert	\$963.00
Maze Panels (10) to create rooms required by VDFP	\$6,817.00

Additional items excluded from the price for consideration:

Soil Borings	\$4,000.00
Foundation Design	\$4,000.00
Foundation, Fill on Deck	\$97,400.00

Additional Items if adding three story tower:

*Three story tower with (1) exterior door, (3) windows, ladder to roof, and rappel rings on roof	\$60,736.00
*Additional fill on deck, foundation and apron to add tower	\$20,600.00

All pricing is in US Dollars and is valid for 30 days. It is the policy of WHP Trainingtowers to provide a reasonable cost estimate for your budgeting purposes. WHP believes the cost estimate should reflect a training simulator that meets OSHA safety requirements, is of the highest quality, and will meet the expectations of the customer.

Schedule: We would require 4 weeks to prepare conceptual drawings after award of the contract or purchase order and 18-20 weeks for delivery after receipt of approved drawings. If the foundation is in place the erection would be

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complete approximately 9-11 weeks after delivery of building. Some optional items such as brick exteriors will require more time to complete erection.

Design Criteria: Pricing is based on the following design criteria IBC 2012:

1. *Live Loads-* (a) Roof: 100 psf (b) Floor: 100 psf (c) Attic: 100 psf
2. *Wind Loads-* (a) Speed: 90 mph (b) Exposure: C
3. *Seismic Loads-* (a) Coefficient Ss [max]: 55 (b) Coefficient S1 [max]: 13

*Requirements exceeding these loads may result in additional costs.

Exclusions: We exclude from our proposal: bonds, taxes, permits, special insurance requirements if any, field painting of exterior handrails and stairs, mechanical, electrical, fire protection systems, winter conditions, concrete foundations, foundation design, slab on grade, concrete fill on decks, anchor bolts, site work, excavation, engineering layout and general condition items and any other miscellaneous fees. Prevailing wage rates, if any will be applied to the labor cost to erect the simulator.

Terms: For materials a deposit of 25% on the building package is due on receipt of order (signing of contract). Balance of payment on materials due on delivery to site. No retention on materials. Labor will be billed monthly. Invoices not in dispute over 30 days will be assessed 1 ½ % per month on balances in excess of 30 days. Financing is available through lease purchase programs.

We hope you find the proposal acceptable. If we can provide you with further information please feel free to call me at 410-256-3126.

Sincerely,

James R. Eicholtz

James R. Eicholtz
WHP Trainingtowers™

Cc: Alan Henderson
Rob VanBibber
Joe Kirchner

Department of Fire &...

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Commonwealth of Virginia
Department of Fire Programs

Live Fire Structure Grant Application
Construction, Renovation, or Repair

A. Applicant Information	
1. Title of Jurisdiction Making Application <small>(Check <input checked="" type="checkbox"/> only one, then make entry)</small>	County of _____ <input checked="" type="checkbox"/> City of Hopewell Incorporated Town of _____
2. Employer Identification Number (EIN)	_____
3. Principal Point of Contact	<small>(include salutation, name & title.)</small> Captain Adam Schuknecht
4. Mailing Address <small>(include zip code+4)</small> <small>Identify COUNTY if appropriate →</small>	200 S. Hopewell St Hopewell, VA 23860
5. Telephone Number	(804) 541-2288
6. FAX Number	() _____
7. Internet e-mail address	ASCHUKNECHT@HOPEWELLVA.GOV
8. Application Scope <small>(Check <input checked="" type="checkbox"/> only one)</small>	<input type="checkbox"/> Sole Jurisdiction as identified in [A] <input checked="" type="checkbox"/> Multiple Jurisdictions - Complete [F]

B. Facility Information (Burn Building)	The term "burn building" refers to an unoccupied structure The purpose of the Burn Building is to provide live fire training to fire service personnel in support of Fire Fighter I and Fire Fighter II Training throughout the Commonwealth of Virginia
1. Current / Proposed Owner of Facility	<small>(Party holding /to hold title to the property)</small> City of Hopewell
2. In-Service Date or Age of Structure	<small>(Leave blank if NOT an existing structure as reported in [C1] below.)</small> Date _____ <input checked="" type="checkbox"/> Unknown If unknown, enter approximate age in years 50
3. Address of Structure <small>(If appropriate, identify COUNTY where located.)</small>	200 South Hopewell St Hopewell, VA 23860
4. Will the renovation or repair bring the the burn building into compliance with the current standard of NFPA 1403, including appropriate NFPA 1403 signage? <small>If no, explain in 6. Comments.</small>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5. Will the construction of the burn building be in compliance with the current edition of Sections I through IV of the Summary of Burn Building Prop Grant Program as included in the VDFP Project Manual for Burn Building Props and the current standard of NFPA 1403? <small>If no, explain in 6. Comments.</small>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6. Comments (pertaining to Facility)	<input type="checkbox"/> None Current Burn Building is beyond repair and can not be used.

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C. Facility Usage		
1. Number of annual burns (must be documented) (for New construction, this figure is projected)	VDFP FFI Burns <input type="text" value="2"/> (in compliance with NFPA 1403 standards)	
	VDFP FFII Burns <input type="text" value="2"/> (in compliance with NFPA 1403 standards)	
	In-Service Burns <input type="text" value="12"/>	
	Other Burns <input type="text" value="4"/> (specify types of burns)	
	Other Burns <input type="text"/> (specify types of burns)	
2. Travel to another facility	Distance traveled to closest alternate facility <input type="text" value="2"/> (in miles)	
	Time traveled to closest alternate facility <input type="text" value="1"/> (rounded to whole hours)	
3. Other localities served (list number of stations and number of firefighters served for each locality) (for New construction, this figure is projected) (if more than 5 localities are served, additional localities must be included on Additional Localities Served tab)	Name of Locality <input type="text" value="Colonial Heights Fire and EMS"/> Number of stations <input type="text" value="2"/> Number of Firefighters <input type="text" value="55"/>	
	Name of Locality <input type="text" value="Petersburg Fire Department"/> Number of stations <input type="text" value="5"/> Number of Firefighters <input type="text" value="70"/>	
	Name of Locality <input type="text" value="Dinwiddie Fire and EMS"/> Number of stations <input type="text" value="6"/> Number of Firefighters <input type="text" value="130"/>	
	Name of Locality <input type="text"/> Number of stations <input type="text"/> Number of Firefighters <input type="text"/>	
	Name of Locality <input type="text"/> Number of stations <input type="text"/> Number of Firefighters <input type="text"/>	
	TOTAL NUMBER OF STATIONS SERVED (from above and add') <input type="text" value="13"/>	
	TOTAL NUMBER OF FIREFIGHTERS SERVED (from above and add') <input type="text" value="255"/>	
	4. Maintenance of facility (for New construction, skip Section C.4. Section E.2. MUST be completed)	Annual Maintenance Inspections <input type="text"/> Yes <input type="text"/> No (documentation of annual inspections MUST be provided with application for inspections conducted after 12/2007)
		Previous Repair Projects <input type="text"/> Yes <input type="text"/> No (documentation MUST be provided with application for most recent repairs)

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D. Project Description							
1. Level of work proposed (Check <input checked="" type="checkbox"/> only one)	<input checked="" type="checkbox"/> NEW Construction where no such structure previously existed <input type="checkbox"/> RENOVATION of an existing burn building or substantially similar structure <input type="checkbox"/> REPAIR of an existing burn building (up to \$50,000)						
2. Type of Building (proposed or existing)	<table border="0"> <tr> <td><input checked="" type="checkbox"/> Class A fuel</td> <td><input type="checkbox"/> Prototype I plans (brick, block, concrete)</td> </tr> <tr> <td><input type="checkbox"/> Class B fuel</td> <td><input checked="" type="checkbox"/> Prototype II plans (steel frame)</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Other*</td> </tr> </table> <p><input type="checkbox"/> 1,280 Square Footage of Building (proposed or existing)</p> <p><input type="checkbox"/> 1 Number of Burn Rooms on 1st floor <input type="checkbox"/> 1 Number of Burn Rooms on 2nd floor</p> <p>For New Construction: *If building plans deviate from Prototype I or II, applicant MUST define building concept and include proposed plans with application.</p> <p>For Renovations or Repairs: *If building plans deviate from Prototype I or II, applicant MUST include copy of existing building plans with proposed renovations/repairs.</p>	<input checked="" type="checkbox"/> Class A fuel	<input type="checkbox"/> Prototype I plans (brick, block, concrete)	<input type="checkbox"/> Class B fuel	<input checked="" type="checkbox"/> Prototype II plans (steel frame)		<input type="checkbox"/> Other*
<input checked="" type="checkbox"/> Class A fuel	<input type="checkbox"/> Prototype I plans (brick, block, concrete)						
<input type="checkbox"/> Class B fuel	<input checked="" type="checkbox"/> Prototype II plans (steel frame)						
	<input type="checkbox"/> Other*						
3. Architectural and/or Engineering (A/E) (Check <input checked="" type="checkbox"/> only one for each)	Has an A/E study already been completed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable If so, is a copy attached to this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable						
4. Condemnation and/or fitness for use (Leave [C4] blank if this application is for totally new construction; otherwise Check <input checked="" type="checkbox"/> only one for each statement.)	time of application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, is there currently a scheduled date to remove the structure from service? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, enter the month & year: _____ If not presently in service, has this structure been <u>condemned</u> by a building official or other such entity legally empowered to do so? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable If yes, is a copy of such order attached to this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable						

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E. Financial Plan		An estimated project budget must be attached to this application. For renovation/repair projects, contractor estimates must be attached.	
1. Project Budget (Capital Expend)			
a. Expense			
i. Estimated Cost of Construction (Enter or check <input checked="" type="checkbox"/>)	\$	750,000.00	<input type="checkbox"/> Unknown at time of application
ii. Estimated A/E Costs (Enter or check <input checked="" type="checkbox"/>)	\$	50,000.00	<input type="checkbox"/> Unknown at time of application
iii. Estimated Total Costs (Enter or check <input checked="" type="checkbox"/>)	\$	800,000.00	<input type="checkbox"/> Unknown at time of application
b. Revenue			
i. Grant Funding Being Requested New construction maximum \$450,000	\$	450,000.00	
ii. Matching / Cost Share Funds	\$	160,000.00	
iii. Source of Matching Funds (local contributions, donations, etc.)	City approved Budget/ Allocated Money		
2. Operating Budget (Maint. Expend)			
a. Is there a financial agreement among partnering localities?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No <input type="checkbox"/> Not Applicable
b. Is there a local budget for annual maintenance costs?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
c. Is there a local budget for annual inspection costs?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
d. Is there a local budget for 5-year inspection costs?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No

Department of Fire Program

JUN 30 2023

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F. Additional Parties of Interest (Mark N/A and skip section [D] if not applicable - see [A.8])	Identify hereunder ALL jurisdictions (Not their Departments) otherwise participating in the proposed project. Attach additional sheets as may be required.
1. NON-Applicability	<input type="checkbox"/> No parties other than the jurisdiction identified in [A] above.
2. Formal Agreement Among Parties	Is there a formal agreement among parties with regard to the proposed project ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is there a formal agreement among parties with regard to the shared use of the facility ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete one each for ALL other Parties of Interest	Number <input type="text" value="2"/> of a total of <input type="text" value="4"/> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2.)									
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make entry)	<table border="1"> <tr> <td><input type="checkbox"/></td> <td>County of</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>City of</td> <td>Colonial Heights</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Incorporated Town of</td> <td></td> </tr> </table>	<input type="checkbox"/>	County of		<input checked="" type="checkbox"/>	City of	Colonial Heights	<input type="checkbox"/>	Incorporated Town of	
<input type="checkbox"/>	County of									
<input checked="" type="checkbox"/>	City of	Colonial Heights								
<input type="checkbox"/>	Incorporated Town of									
2c. Employer Identification Number (EIN)	<input type="text" value=""/>									
2d. Principal Point of Contact	(Include salutation, name & title) Fire Chief Wayne Hoover									
2e. Mailing Address Identify COUNTY if appropriate →	(Include zip code+4) Public Safety Building 100-B Highland Avenue, P.O. Box 3401 Colonial Heights, VA 23834									
2f. Telephone Number	(804) 520-9387									
2g. FAX Number	(804) 520-9302									
2h. Internet e-mail address	www.colonialheightsva.gov									

Department of Fire Programs

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Administration

F. Additional Parties of Interest (Mark N/A and skip section [D] if not applicable - see [A 8])	Identify hereunder ALL jurisdictions (Not their Departments) otherwise participating in the proposed project. Attach additional sheets as may be required.
1. NON-Applicability	<input type="checkbox"/> No parties other than the jurisdiction identified in [A] above
2. Formal Agreement Among Parties	Is there a formal agreement among parties with regard to the proposed project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is there a formal agreement among parties with regard to the shared use of the facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure. }

2a. Complete one each for ALL other Parties of Interest	Number <input type="text" value="3"/> of a total of <input type="text" value="4"/> parties to proposed project (Count the LEAD Locality as #1, thereby start with #2)										
2b. Title of Jurisdiction (Check <input checked="" type="checkbox"/> only one, then make entry)	<table border="1"> <tr> <td><input type="checkbox"/></td> <td>County of</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>City of</td> <td>Petersburg</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Incorporated Town of</td> <td></td> </tr> </table>	<input type="checkbox"/>	County of		<input checked="" type="checkbox"/>	City of	Petersburg	<input type="checkbox"/>	Incorporated Town of		
<input type="checkbox"/>	County of										
<input checked="" type="checkbox"/>	City of	Petersburg									
<input type="checkbox"/>	Incorporated Town of										
2c. Employer Identification Number (EIN)	<table border="1"> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
2d. Principal Point of Contact	(Include salutation, name & title) Fire Chief Christopher Magann										
2e. Mailing Address Identify COUNTY if appropriate →	(Include zip code+4) Fire Administration Office 1151 Fort Bross Drive Petersburg, VA 23805										
2f. Telephone Number	(804) 733-2328										
2g. FAX Number	(804) 733-2881										
2h. Internet e-mail address	www.petersburgva.gov										

Department of Fire Program

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F. Additional Parties of Interest (Mark N/A and skip section [D] if not applicable - see [A.8])	Identify hereunder ALL jurisdictions (Not their Departments) otherwise participating in the proposed project. Attach additional sheets as may be required.
1. NON-Applicability	<input type="checkbox"/> No parties other than the jurisdiction identified in [A] above.
2. Formal Agreement Among Parties	Is there a formal agreement among parties with regard to the proposed project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is there a formal agreement among parties with regard to the shared use of the facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

(Reproduce and complete as many additional blocs as may be necessary for complete disclosure.)

2a. Complete one each for ALL other Parties of Interest	Number <input type="text" value="4"/> of a total of <input type="text" value="4"/> parties to proposed project <small>(Count the LEAD Locality as #1, thereby start with #2.)</small>
2b. Title of Jurisdiction <small>(Check <input checked="" type="checkbox"/> only one, then make entry)</small>	<input checked="" type="checkbox"/> County of <input type="text" value="Dinwiddie"/> <input type="checkbox"/> City of _____ <input type="checkbox"/> Incorporated Town of _____
2c. Employer Identification Number (EIN)	<input type="text" value=""/> - <input type="text" value=""/> - <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
2d. Principal Point of Contact	<small>(include salutation, name & title)</small> <input type="text" value="Fire Chief Dennis Hale"/>
2e. Mailing Address Identify COUNTY if appropriate →	<small>(include zip code+4)</small> <input type="text" value="Fire Administration Office"/> <input type="text" value="13850 Courthouse Road P.O. Box 70"/> <input type="text" value="Dinwiddie, Virginia 23841"/>
2f. Telephone Number	<input type="text" value="(804) 469-5388"/>
2g. FAX Number	<input type="text" value="(804) 469-7663"/>
2h. internet e-mail address	<input type="text" value="www.dinwiddieva.us"/>

Department of Fire Programs

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Administration

**G. Electronic Transfer
of Funds Information**

Note - The completion of this section is optional at the time of application and will not hinder determination of eligibility, etc. However, if not provided and since funds will only be transferred electronically, disbursement will be delayed until this information is properly provided.

1. Account Ownership Information
Employer Identification Number



SSN may NOT be substituted.

Complete next three (3) entries ONLY if Name is different than ACCOUNT TITLE as it appears in [E2].

NAME (Last, First, Initials) City of Hopewell
MAIN (Telephone Number) 804-541-2240
ALTERNATE (Telephone Number) _____

2. Direct Deposit Account Information
(Check one Type of Account)

Checking Savings

ROUTING TRANSIT NUMBER (8 digits) 00000000
ACCOUNT NUMBER 00000000
ACCOUNT TITLE 0000000000000000
FINANCIAL INSTITUTION 0000000000000000

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Note: This section of the application MUST be properly executed for the

- City Manager /or/ Deputy
- County Administrator /or/ Deputy
- Town Manager /or/ Mayor
- Or other duly authorized official but only when the application

Only completed applications can be acted upon.

CERTIFICATION

This application is made on behalf of the jurisdiction above described [A] with the full knowledge and belief that all representations herein made are true and correct.

Concetta Manker

Signature

6/20/2023

Date

Concetta Manker

Printed Name

Interim City Manager

Title

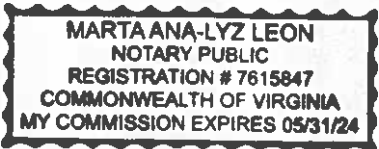
(All applications must be notarized to be considered -- incomplete forms shall be returned.)

State of Virginia }
City / County of _____ }

On this 20th day of JUNE (month) in 2023 (year), before me, the undersigned a Notary Public for the Commonwealth of Virginia, personally appeared Concetta Manker to me known (or to me proved) to be the identical person named herein and having in my presence executed the above, and acknowledged that he executed same as his voluntary act and deed.

My Commission expires: 05/31/2024
Date

[Signature]
Notary Public {Seal}



Department of Fire Programs
JUN 30 2023
Administration

Quotation



Customer no.
92551070

Quotation no. 136253970
Date of offer 04/04/2023

Please reference on inquiries

Customer
CITY OF HOPEWELL VIRGINIA FIRE
200 S HOPEWELL ST
HOPEWELL VA 23860-7825

Payer 92551070
CITY OF HOPEWELL VIRGINIA FIRE
200 S HOPEWELL ST
HOPEWELL VA 23860-7825

Your request

RFQ DATE: 03/14/2023

SOURCEWELL CONTRACT #: 032620-DRG

CHIEF BEN RUPPERT
bruppert@hopewellva.gov

Ship-To party 92506131
HOPEWELL FIRE DEPT
200 S HOPEWELL ST
HOPEWELL VA 23860-7825

Dear Customer,

Thank you for your inquiry. Please find enclosed our corresponding offer.
If you have any further questions, please do not hesitate to contact us.

Quotation no.: 136253970
Responsible: JIM HAWLEY
Telephone: 234-430-2930
E-mail: jim.hawley@draeger.com

Best regards
Dräger Inc.

This document has been electronically generated and is valid without a signature.

Draeger Inc.
Our Tax ID: 23-1699096
3135 Quarry Road, Telford, PA 18969
An Equal Opportunity Employer M/F/V/H
Telephone 800-437-2437
http://www.draeger.com

Remit to:
LOCKBOX (Standard USPS)
Draeger, Inc.
PO Box 13369
Newark, New Jersey
07101-3362

Remit to:
LOCKBOX (Overnight)
FIS Lockbox Processing
Lockbox #13369
100 Grove Road
Suite E
West Deptford, NJ 08066

Remit US Wire Transfers to:
Account Name: Draeger Inc.
Account Number: 00-494-936
Transit Routing: 021001033
SWIFT: BKTRUS33
Deutsche Bank Trust Company Americas
60 Wall Street 25th Fl, New York, NY 10005

Quotation



Customer no.
92551070

Quotation no. 136253970
Date of offer 04/04/2023

Please reference on inquiries

Payer
92551070

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Pos.	Quant.	Part no.	Description	Unit price USD	%	Total price USD
0010	1 EA	1903015	<p>DRAGER SWEDE SURVIVAL PHASE II MODIFIED</p> <ul style="list-style-type: none"> - Three (3) story unit comprised of four (4) 40' fire training modules - NFPA 1402 & OSHA-compliant system - Two (2) High-temperature thermal-insulated burn chambers with emergency exits (as required) - Burn room baffles - High-heat thermal-insulated wall with door(s) - One (1) Rooftop platform - One (1) Clean out platform with coinciding staircase - Two (2) Walking platforms - One (1) 4' x 8' Tilt roof with chop out - Two (2) 55-gallon crib fire drums - Standard doors and windows - Interior and exterior stairs - Insulated windows - Bailout window - Burglar window - Reconfigurable wall sections - Interior wall breach - Confined space tube - Square hatch - Denver drill - Pivoting walls - Rappelling beam - Safety gate - Forcible entry door - Hose access - Standpipe - Ladder tie-off - Low flow water nozzles - Signage and Brackets 	381,417.52	2.00	373,789.17

Quotation



Customer no.
92551070

Quotation no. 136253970 Date of offer 04/04/2023

Please reference on inquiries

Payer
92551070

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Pos.	Quant.	Part no.	Description	Unit price USD	%	Total price USD
			<p>Draeger continues to strive toward reasonable timeliness of delivery. Due to the COVID-19 pandemic, product demands are greatly escalated, workforce may be reduced, and Draeger may be subject to government orders impacting delivery schedule and, as a result, trigger the Force Majeure provisions under Section 7 of Draeger's standard terms and conditions.</p> <p>In the event the freight carrier imposes extraordinary charge for shipment in excess of the usual and customary charges for such shipment, the customer would bear the cost of such extraordinary charges.</p> <p>Offer valid until: 07/04/2023</p> <p>Payment terms: Advanced payment</p> <p>Notes:</p> <ol style="list-style-type: none"> 1) Please note pricing does not take into consideration any prevailing wage requirements, unless communicated to Draeger beforehand. If a prevailing wage requirement exists, customer will provide this information prior to PO submittal to Draeger. Pricing will be subject to change. 2) All funds are in US Dollars. 3) Bonding price, if required, not included. 4) Price information valid 90 days from date on form. Pricing is subject to change once quotation is past validity. 5) Any building or electrical contractor permits are responsibility of customer and are not included. 6) Warranty is 12 months after handover. 7) Training Systems which have completed fabrication but cannot be delivered due to delays on the part of the customer, may be charged a Storage Fee in the amount of 2% of the project value, to be assessed every thirty days after an initial 30-day free storage period has passed, until delivery is possible. 			

Quotation



Customer no.
92551070

Quotation no. 136253970 Date of offer 04/04/2023

Please reference on inquiries

Payer
92551070

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Pos.	Quant.	Part no.	Description	Unit price USD	%	Total price USD
			<p>8) Milestone Payment terms: A. 25% of total project price will be invoiced on notice to proceed. B. 50% of total project price will be invoiced when equipment is shipped. C. 25% will be invoiced when installation and training are complete and system is handed over.</p>			

DRAEGER, INC. TERMS AND CONDITIONS OF SALE (SAFETY)

1. GENERAL. These terms and conditions are integral to the agreement governing the sale and purchase of goods ("Goods") and service ("Service") between the seller, Draeger, Inc. ("Draeger") and the purchaser ("Customer"). Goods and Service are referred to herein collectively as "Product." The agreement governing such sale and purchase of Product ("Agreement") consists of the following, all of which are hereby incorporated herein by reference: (i) these terms and conditions, (ii) the written sale or service agreement, if any, signed by Draeger and Customer (referred to herein singularly as "Party" and collectively as the "Parties"), including schedules thereto, that is in effect on the date of the applicable purchase order is delivered to Draeger, and any amendments thereto ("Contract Document"), (iii) any price quotes, and (iv) the purchase order submitted by Customer ("PO"); provided, however, Draeger shall not be bound by any terms, conditions, or other provisions in a PO that are different from, in addition to, or inconsistent with the other provisions of this Agreement.

2. PRICES. Prices are as stated in the Contract Document. If no Contract Document is in effect at the time of order fulfillment, the prices are as stated on the applicable price quotes; provided, that such prices are only valid for thirty (30) days from the date of quote. In all other cases, prices are those currently effect on price list at time of shipment. Unless otherwise stated in writing by Draeger, prices include the cost of standard domestic packing. Prices exclude charges for freight, unloading, storage, insurance, taxes, excises, fees, duties, or other charges related to Product. Customer shall bear cost of all applicable sales, use, property, excise, and manufacturer's taxes and any duties, license or similar fees, which may be imposed upon the sale, use, or performance of the Product.

3. PAYMENT TERMS.

(a) Unless otherwise agreed in writing, the Customer shall make payment in full without any set-off (for any reason) no later than thirty (30) days from the date of invoice in United States Dollars ("USD"). Partial shipments of Goods shall be invoiced as shipped. Draeger reserves the right to require (i) payment in advance, (ii) cash on delivery, or (iii) a modification of credit terms. Notwithstanding the foregoing, orders paid for by credit card shall be charged and paid for at that time of order.

(b) Draeger reserves the right in the event of late payment: (i) to suspend all deliveries and/or Service or cancel any of its outstanding obligations under the Agreement; (ii) to charge interest on the late payment calculated on a day to day basis until the actual date of payment at the lower of (A) an annual rate of twelve percent (12%) or (B) the maximum rate allowed by law. Such remedies shall be in addition to any other rights or remedies available to Draeger under the law.

(c) If Customer pays less than the full amount due, such payment shall be applied toward the outstanding balance. Draeger's acceptance of part of the amount due, shall not interfere with Draeger's right to recover the balance of the amount due, or to pursue any other right or remedy under the law.

(d) All Customer orders are subject to credit approval by Draeger.

4. DELIVERY, INSTALLATION, RISK, AND TITLE.

(a) Products will be delivered FCA (2010 INCOTERMS) point of origin, for capital equipment and shipping point for all other Product. Delivery, installation, and completion dates are only approximate and Draeger shall not be liable for failure to meet such dates. Notwithstanding the foregoing, Draeger shall use reasonable efforts to meet quoted delivery, installation, and completion dates. Partial shipments may be made at Customer's request or in Draeger's sole discretion.

(b) Unless stated otherwise in writing by Draeger, freight and transportation costs, including standard ground transportation, packing, custom duties, and other similar charges, shall be borne as follows: (i) for PO orders equal to or less than \$15,000, Customer shall bear all such costs, (ii) for PO orders greater than \$15,000, Draeger shall bear all such costs. Notwithstanding the foregoing, in the event Customer requests an expedited order, Customer shall bear the additional costs.

(c) Draeger shall bear risk of loss or damage to Goods during shipment until delivery of Goods or, if earlier, the date as of which Draeger makes a commercially reasonable attempt to deliver Goods.

(d) Customer shall use commercially reasonable efforts to allow for timely delivery of goods, including, without limitation, providing instructions, granting access during Customer's business hours (or such other time agreed by the Parties), and obtaining any required licenses or permits.

(e) Customer's sole remedy for non-delivery of Goods due to non-delivery by Draeger shall be replacement of Goods.

(f) Installation costs shall be included in the price of Goods, unless indicated as a separate Service on the Contract Document or quote, as applicable. Customer shall be responsible for ensuring that the installation site is fully prepared prior to installation and for bearing all costs necessary to prepare site for installation in accordance with Draeger's instructions, including without limitation, (i) engaging in any require labor and acquiring any materials, (ii) if Goods are to be connected to Customer's network, ensuring that such network meets all specifications of the network requirements and specifications provided to Customer by Draeger, which are hereby incorporated herein by reference, and is fully functioning as mandated by all manual and other instructions provided by Draeger, and (iii) ensuring compliance with all government requirements, including without limitation, all certifications, and approvals for installation and operation. Customer shall provide to Draeger or its subcontractor, as applicable, access to the installation site and, if required, safe and secure space on site for storage of Goods and equipment prior to and during installation.

5. ACCEPTANCE. Customer shall inspect Goods received and notify Draeger of any nonconforming Goods prior to acceptance. Goods shall be deemed to be accepted by Customer fifteen (15) days from date of delivery; provided however, that (i) if earlier,

acceptance shall occur immediately on the first day Customer uses Product, or (ii) with respect to a Good requiring installation (other than connection to customer network), the earlier of five (5) days after installation or thirty (30) days after delivery. Installation shall be deemed to be completed upon final verification under Draeger's standard procedures that Goods meet all applicable written performance obligations. For this purpose "nonconforming Goods" means (i) Goods shipped that are different from those identified on Draeger's sales order confirmation and (ii) Goods with label or packaging that incorrectly identifies contents. Draeger shall, at its sole discretion, replace nonconforming Goods with conforming Goods or credit or refund price of nonconforming Goods. Return of nonconforming Goods shall be conducted by Customer in accordance with Draeger's instructions. Draeger shall bear the shipping costs related to return and replacement of nonconforming Goods.

6. CHANGES AND RETURNS.

(a) Orders may not be changed or cancelled after PO is accepted by Draeger.

(b) Draeger reserves the right, subject to written notice, to substitute Goods or change specifications of Goods, which, in Draeger's judgment, does not materially affect the installation, performance, function, or price thereof.

(c) Goods may only be returned with prior authorization from Draeger. Eligible returns must follow the Return Material Authorization process in effect at the time of return as specified at https://www.draeger.com/Library/Content/RMA-Process-Safety_11192018.pdf and which are hereby incorporated herein by reference ("RMA Process"). Unless warranty applies, Customer agrees to pay Service charges related to repair and replacement of Goods, including, without limitation, restocking fees.

7. DELAY OR FAILURE TO PERFORM OBLIGATIONS.

(a) Draeger shall not be deemed to be in breach or otherwise liable for any delay or failure in performance of any of its obligations under this Agreement caused, in whole or in part, by any act or omission of Customer or its agents, subcontractors, consultants, or employees.

(b) Neither Party shall be liable for failure to perform obligations (except for payment obligations) under this Agreement to the extent that such failure arises out of events beyond its reasonable control including, but not limited to, acts of government or compliance with any governmental laws, rules or regulations, acts of God or the public, war, terrorist threats or acts, civil disturbance, fire, or other casualty, strike or labor dispute or unavailability of labor, carriers, raw materials, power, or supplies. Any delivery date may be extended, at Draeger's option, to the extent of any delay resulting from any such event.

8. WARRANTY.

(a) *Goods.* Draeger warrants that under normal use and with prescribed maintenance, storage, and care, Goods are free from defects in material and workmanship for the warranty period. Except as provided in a separate warranty statement in Goods manual or otherwise provided with Goods, the warranty period for new capital equipment is twelve (12) months from date of delivery and disposable and consumable Goods (excluding sensors) are warranted at time of delivery only. All other Goods are warranted for ninety (90) days from (i) date of delivery or (ii) in the case of software, date of implementation sign-off, or first productive use. Warranty is conditioned on (i) Customer providing immediate written notice of warranty related claim to Draeger and following RMA Process, (ii) no repairs, modifications, or alterations being made to Goods other than by Draeger or its authorized representatives (iii) Customer handling, using, storing, installing, operating, cleaning, and maintaining Goods in compliance with the instructions and specifications provided with the Goods or incorporated into this Agreement, (iv) use of Goods only for the use intended by Draeger, (v) defect not related to attachment of Goods to non-Draeger supplied equipment or to Customer's network issues, (vi) Customer having fulfilled its payment obligations for Goods, and (vii) an inspection by Draeger that reveals that the Customer's claim is valid under the terms of the warranty. Customer's remedy for a breach of this warranty is limited to repair, replacement, or credit or refund, at the sole option of Draeger. Repair or replacement may be with parts or product that are new, used, or refurbished. Repairs or replacements shall not interrupt, extend, or prolong the term of the warranty.

(b) *Service.* Draeger warrants that the Service shall be performed in a professional manner in accordance with generally recognized industry standards for similar service. Claims for breach of this Service warranty must be submitted to Draeger in writing within ninety (90) days of the completion of Service. Customer's remedy for breach of Service warranty is limited to performance or credit or refund, at the sole option of Draeger.

(c) *Third Party Product.* If the Agreement includes the sale of third-party product not manufactured by Draeger or any of its affiliates, such products are provided to Customer solely at the direction of Customer with no recommendation by Draeger. Except as expressly provided otherwise in the Agreement, Draeger makes no warranty for any third-party product. Customer's sole warranty for any third-party product, if any, is the original manufacturer's warranty, which Draeger agrees to pass on to Customer, as applicable. The obligation of Customer to pay Draeger for the third-party product is absolute and unconditional, and Customer waives and releases Draeger from all claims, damages, and losses arising out of such third-party product regardless of any claims Customer may have regarding such third-party product.

(d) *No Other Warranties.* THE WARRANTIES IN THIS SECTION 8 ARE THE SOLE AND EXCLUSIVE WARRANTIES MADE WITH RESPECT TO PRODUCT. DRAEGER MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, TITLE, NONINFRINGEMENT, COURSE OF DEALING, AND USAGE OF TRADE. DRAEGER DOES NOT

WARRANT OR GUARANTEE THAT ANY PRODUCT WILL BE SECURE FROM CYBER THREATS HACKING OR SIMILARLY MALICIOUS ACTIVITY. DRAEGER DOES NOT WARRANT ANY CUSTOMER OR THIRD-PARTY PROVIDED NETWORK OR THE PERFORMANCE OF PRODUCT AS IMPACTED BY SUCH NETWORK CONNECTION.

9. **INDEMNITY.** Draeger and Customer (each as "Indemnitor") shall indemnify the other Party and its affiliates (collectively "Indemnitee") from and against all third-party claims alleging bodily injury, death, or damage to the third-party's tangible property, but only to the extent caused by the Indemnitor's negligence or willful misconduct or omissions. If the injury or damages is caused by the Parties' joint or contributory negligence, the loss and expenses shall be borne by each Party in proportion to its degree of fault. No part of the Customer's sites is considered third-party property for purposes of this indemnity. Indemnitee shall provide Indemnitor with prompt written notice of any third-party claims covered by this Section 9. Indemnitor has the unrestricted right to select and hire counsel and the exclusive right to conduct the legal defense or settle the claim on the Indemnitee's behalf. The Indemnitee shall not make any admissions that might be prejudicial to the Indemnitor and shall not enter in a settlement without the express permission of the Indemnitor.

10. **INSURANCE.** If during the term of the Agreement, Draeger may need access to Customer's premises to perform Service or for other reasons, Customer shall, at its own expense, maintain and carry insurance in full force and effect which includes, but is not limited to, commercial general liability in a sum no less than \$1,000,000 per occurrence and \$5,000,000 in the aggregate with financially sound and reputable insurers. Upon Draeger's request, Customer shall provide Draeger with a certificate of insurance from Customer's insurer evidencing the insurance coverage specified in this Agreement. The certificate of insurance shall name Draeger as an additional insured. Customer shall provide Draeger with thirty (30) days' advance written notice in the event of a cancellation or material change in Customer's insurance policy. Except where prohibited by law, Customer shall require its insurer to waive all rights of subrogation against Draeger's insurers and Draeger.

11. **LIMITATION OF LIABILITY. IN NO EVENT SHALL ANY PARTY BE LIABLE TO THE OTHER PARTY OR THEIR AFFILIATES, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, INDEMNITY OR ANY OTHER LEGAL THEORY, FOR LOST PROFITS OR LOST STORED, TRANSMITTED OR RECORDED DATA OR FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, PUNITIVE, OR EXEMPLARY DAMAGES, EXCEPT AS EXPRESSLY STATED IN THIS AGREEMENT, WITH RESPECT TO ANY MATTERS RELATING TO THIS AGREEMENT, REGARDLESS OF WHETHER THE OTHER HAS BEEN ADVISED OF THE POSSIBILITY OF THE SAME. DRAEGER'S MAXIMUM LIABILITY UNDER THIS AGREEMENT IS THE ACTUAL PURCHASE PRICE RECEIVED BY DRAEGER FOR THE PRODUCT THAT GIVES RISE TO THE CLAIM.**

12. **PATENT, TRADEMARK, AND OTHER INFRINGEMENT CLAIMS.** Draeger will, at its option and expense, defend any claim, suit, or proceeding brought against Customer alleging any Draeger manufactured Good violates any patent, trademark, or copyright, provided that Customer notifies Draeger in writing of the alleged claim within five (5) days, after Customer becomes aware of the allegation. Customer shall give Draeger information, assistance, and exclusive authority to fully control the defense and settlement of such claims. Draeger shall, at its own expense, defend and/or settle such claims, procure for Customer the right to use the Good, or remove or modify them to avoid infringement. If none of these alternatives are available on terms reasonable to Draeger, then Customer shall return the Product to Draeger and Draeger shall refund to Customer the purchase price paid by Customer, less reasonable depreciation for Customer's use of the Product. This indemnity shall not apply if Customer modifies or combines, operates or uses the Good with any product, data, software, apparatus, or program not provided by Draeger and Customer shall indemnify and hold Draeger harmless against any liability or expense, including reasonable attorneys' fees, incurred by Draeger in connection therewith.

13. **RIGHTS IN SOFTWARE, DOCUMENTATION, AND INTELLECTUAL PROPERTY.** To the extent software, data or other documentation or information (collectively, "Software") is embedded in or delivered with any Goods sold under this Agreement, the sale of such Goods shall not constitute the transfer of the ownership rights in such Software. The Software shall remain Draeger's property and Draeger grants to Customer a non-exclusive, non-transferable license solely to use the Software for the purpose, and in the manner, for which the Product Software was designed and produced and shall not modify, reverse engineer, or create derivative works based on any of the Software, or permit any third-party to do so. In addition, to the extent any third-party software is included in the Software, Customer will comply with any third-party software license terms provided by Draeger to Customer. Software that is provided separately to Customer as a Product is not included under this Section 13, but is governed by a separate license agreement, and may be subject to a licensing fee.

14. **DATA PROTECTION.** The Parties agree to comply with any privacy and data protection laws, including without limitation the General Data Protection Regulation (GDPR), to the extent relevant to the exchange of data between the Parties or storage or exchange of data in connection with Product provided hereunder.

15. **TERMINATION.** In addition to any remedies that may be provided under these terms and conditions, Draeger may terminate this Agreement or any part thereof with immediate effect upon written notice to Customer, if Customer: (i) fails to pay any amount when due under this Agreement and such failure continues for thirty (30) days

after Customer's receipt of written notice of nonpayment. (ii) has not otherwise performed or complied with any of this Agreement, in whole or in part; (iii) becomes insolvent, files a petition for bankruptcy or commences or has commenced against it proceedings relating to bankruptcy, receivership, reorganization or assignment for the benefit of creditors, or (iv) undergoes a change of control or ownership. Provisions of this Agreement which by their nature should apply beyond its termination or expiration will remain in force after any termination or expiration of this Agreement.

14. **CONFIDENTIAL INFORMATION.** All non-public, confidential or proprietary information of Draeger, including but not limited to specifications, samples, patterns, designs, plans, drawings, documents, data, business operations, customer lists, pricing, discounts or rebates, disclosed by Draeger to Customer, whether disclosed orally or disclosed or accessed in written, electronic or other form or media, and whether or not marked, designated or otherwise identified as "confidential" in connection with this Agreement is confidential, solely for the use of performing this Agreement and may not be disclosed or copied unless authorized in advance by Draeger in writing. This Section does not apply to information that is: (a) in the public domain; (b) known to Customer at the time of disclosure; or (c) rightfully obtained by Customer on a non-confidential basis from a third-party.

16. **OTHER TERMS.**

(a) **Compliance with Laws.** Customer shall comply with all applicable laws and regulations, including, but not limited to, any laws and regulations relating to the import, export, or re-export of any Product or associated technical data.

(b) **Benefit and Assignment.** Neither Party may assign, subcontract, or delegate any rights or obligations under this Agreement unless stated in the Agreement, without the prior written consent of the other Party. Draeger may assign any of its rights and obligations under this Agreement to one of its affiliates without notice to, or consent of, Customer. This Agreement shall inure to and be binding on the Parties and their respective successors, permitted assigns, and legal representatives.

(c) **Modification.** This Agreement may not be changed, modified, or amended, except in writing signed by duly authorized representatives of the Parties.

(d) **Governing Law, Venue, and Waiver of Jury Trial.** This Agreement shall be governed by and construed in accordance with the laws of the Commonwealth of Pennsylvania, without giving effect to any conflict of law provisions. The Parties hereto hereby agree that the application of the United Nations Convention on Contracts for the International Sale of Goods does not apply to this Agreement and is expressly excluded. Any legal suit, action, or proceeding arising out of or relating to this Agreement shall be brought before a court of competent jurisdiction located in the Commonwealth of Pennsylvania. The Parties irrevocably submit to the exclusive jurisdiction of such courts in any such suit, action, or proceeding. **EACH PARTY WAIVES ALL RIGHTS TO A TRIAL BY JURY IN CONNECTION WITH ANY DISPUTE ARISING UNDER THIS AGREEMENT.**

(e) **Integration and Survival.** This Agreement together with any attachments or other documents expressly incorporated by reference herein, constitute the entire agreement with respect to the subject matter hereof, and supersede any and all prior agreements, understandings, and communications between the Parties with respect to the Product. The terms of this Agreement that by their nature are intended to survive its expiration will continue in full force and effect after its expiration.

(f) **Severability; Headings.** No provision of this Agreement, which may be deemed unenforceable, will in any way invalidate any other portion or provision of this Agreement. Section headings are for reference only and will have no substantive effect.

(g) **Waiver.** No waiver of any of the provisions of this Agreement is effective unless explicitly set forth in writing and signed by the Parties. No failure and no delay in exercising, on the part of any Party, any right under this Agreement will operate as a waiver thereof, nor will any single or partial exercise of any right preclude the further exercise of any other right.

(h) **Relationship of the Parties.** The relationship between the Parties is that of independent contractors. Nothing contained in this Agreement shall be construed as creating any agency, partnership, joint venture or other form of joint enterprise, employment, or fiduciary relationship between the Parties, and neither Party shall have authority to contract for or bind the other Party in any manner whatsoever.

(i) **Injunction.** Customer agrees that the remedies at law may be inadequate to protect Draeger against any actual or threatened breach of Sections 12 and 14 of this Agreement, and, without prejudice to any other rights and remedies otherwise available, Draeger will be entitled to seek injunctive relief.

(j) **Limitation of Actions.** Any action against Draeger arising out of this Agreement shall be commenced within one (1) year from the date such cause of action has accrued, otherwise the same shall be barred.

(k) **No Third-Party Beneficiaries.** This Agreement is for the sole benefit of the Parties hereto and their respective successors and permitted assigns and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of this Agreement.

(l) **Notices.** Notices shall be in writing and shall be deemed served upon receipt and shall be delivered in person or by nationally recognized courier or certified mail to Draeger, Inc 3135 Quarry Road, Telford, PA 18969, Attention CEO with a copy to the same address to the Attention of General Counsel (such copy shall not constitute service or process).



ES PAD REQUIREMENTS ACKNOWLEDGEMENT FORM

FIRE TRAINING SYSTEM

Regarding site-preparation for a Dräger Fire Training System, the customer is responsible for all site-work requirements and/or costs for the system. The customer is responsible for compliance with local building requirements regarding permits, inspections, approvals, and any costs associated with the aforementioned. Site-specific engineering drawings and/or certifications and local-stamped drawings are *not* included in the price. Concrete footing and/or pad design and installation costs and/or associated paving costs are *not* included in the proposal and are the responsibility of the customer.

Dräger will provide a point-load drawing with every pre-sales package. The point-loads shown are based on container tare weights, with allowances made for ancillary structures. No wind-loads or soil analysis are taken in to consideration for these loads. The drawing displays the minimum load of the Dräger Fire Training System. It will be necessary to source an engineer that will provide the site-preparation and foundation drawings to properly support the structure(s).

PLEASE NOTE : Pad must be true-level to ensure stairs land at the required height of the pad.

Submitted by :	Phone No. :
Customer Signature	Email :
Date :	Customer Title :

CUSTOMER INITIALS (to be initialed when document exceeds a single page) _____

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Change Log

Change notes
Rev 00: Initial Release – New Document
Rev 01: Added note regarding height of pad

Status	rev. ind.	effective date	number	Publisher	page/of
Effective	01	01/14/19	DIH OG3020 A05	Dräger Inc.	1/1

Quotation



Customer no.
92551070

Quotation no.
136253970

Date of offer
04/04/2023

Please reference on inquiries

Page 3 / 6

Payer
92551070

Pos.	Quant.	Part no.	Description	Unit price USD	%	Total price USD
0020	1 EA	1903012	<p>ON-SITE INSTALLATION & SET-UP Dräger contracted and project-managed installation team ensures that your system is installed properly, safely and with minimal disruption. Pre-installation site surveys and in-process review of the build ensures that you are getting the most value for your project. Installation and crane services are insured, bonded and operate within OSHA guidelines for your added protection.</p>	41,875.00		41,875.00
0030	1 EA	1903013	<p>TRAIN-THE-TRAINER PROGRAM Dräger is committed to developing and offering the most comprehensive training programs in North America. Dräger Swede Survival Systems and Dräger certified instructional training programs have been designed and delivered in accordance with training methods developed by the Swedish Rescue Services agency through the Swedish Rescue Training Center (SRTC).</p> <p>The training consists of two parts: The first part is a two-day, on-site training course for up to ten (10) of the department's instructors. The second part is a complete documentation package on operation & maintenance of the system; enables you to train with confidence.</p> <ul style="list-style-type: none"> - Certified instructors - Fire behavior - Fire control - Hydration - SCBA & safety equipment training - Heat stress management - Smoke & ventilation exercises - Container management 	7,959.18	2.00	7,800.00

Quotation



Customer no.
92551070

Quotation no. 136253970 Date of offer 04/04/2023

Please reference on inquiries

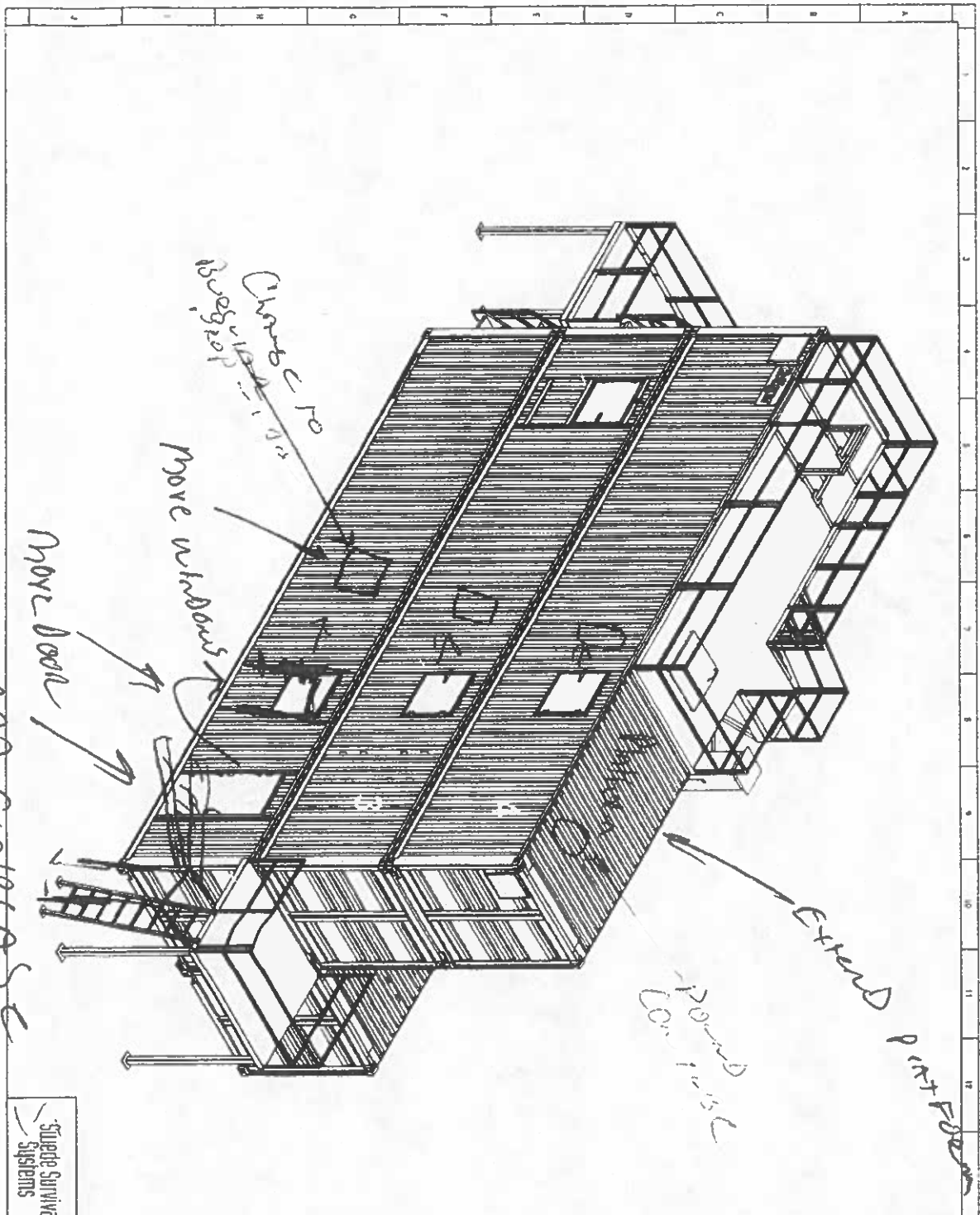
Page 4 / 6

Payer
92551070

Pos.	Quant.	Part no.	Description	Unit price USD	%	Total price USD
0040	1 EA	1903010	<ul style="list-style-type: none"> - Ignition sources - Information on fire gases - Container operations - Heat stress - Thermal imaging camera usage - Recognition of pre-flashover conditions - Nozzle techniques - Overall safety <p>FREIGHT TO CUSTOMER SITE Note: Estimated freight charge only.</p>	9,526.00		9,526.00

Net value excl. Sales Tax						432,990.17
+ Net Sales Tax						22,443.61

Total amount						455,433.78
=====						
<p>PLEASE CHECK THIS QUOTE CAREFULLY FOR ACCURACY IN PRICING, PART # AND DESCRIPTION. Contact Customer Service immediately if there are any discrepancies. This acknowledgement and note constitutes the entire agreement with respect to the contemplated transaction and supersedes all previous negotiations, proposals, writings, advertisements, or publications.</p> <p>Dräger, inc. and the Customer agree that the purchase of any product or service pursuant to this document is subject to the attached terms and conditions, which are incorporated by reference.</p> <p>Estimated Delivery Time: 24 - 26 Weeks ARAD (After Receipt of Approved Drawings) To be confirmed at time of order entry.</p>						



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REV	DATE	DESCRIPTION
A	08/18/22	ISSUED FOR APPROVAL

Dräger

PROJECT
PHASE II MODIFIED

CUSTOMER
BETHEL FIRE DEPT
BETHEL, ALASKA

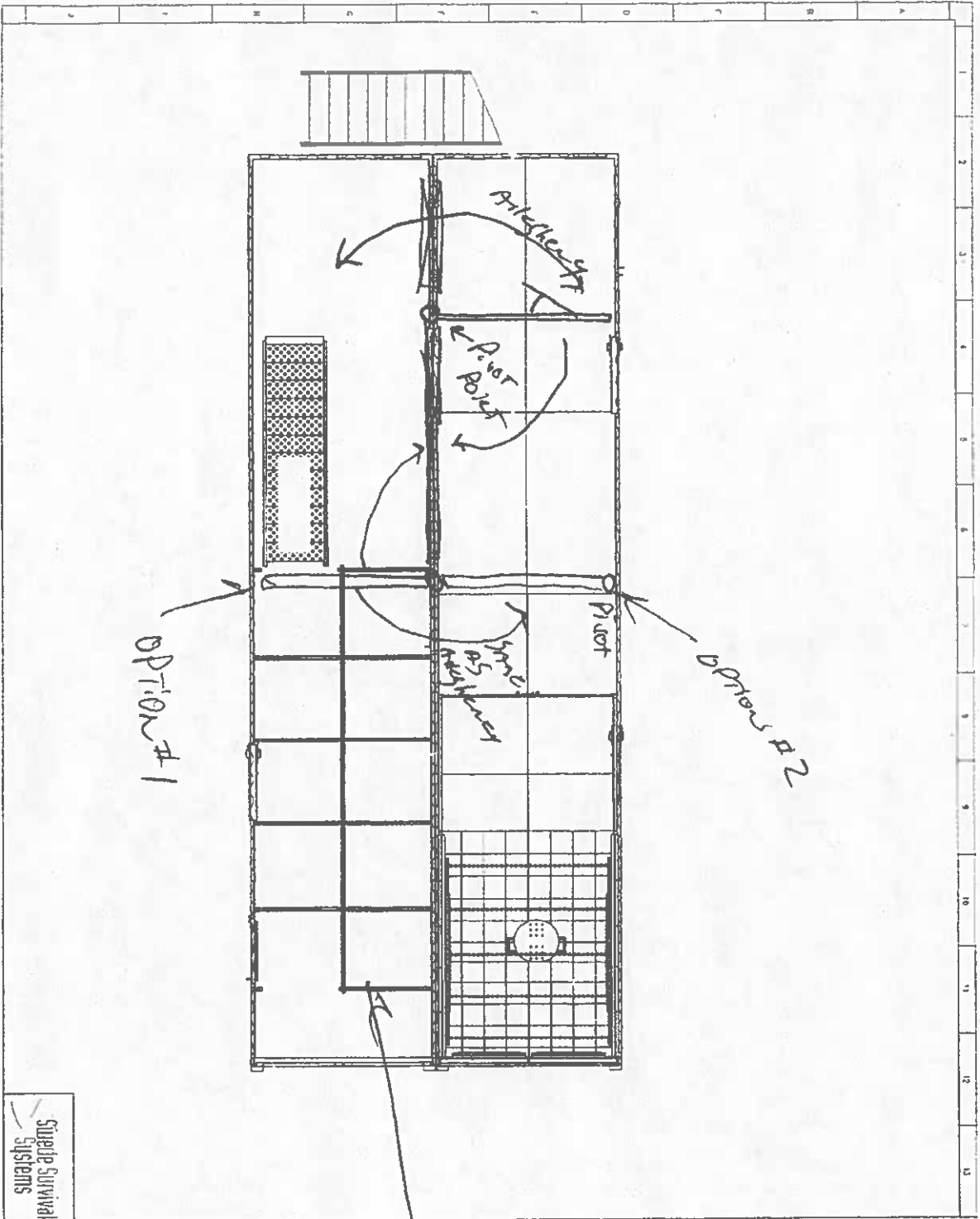
TITLE
B/C SIDES
ISO VIEW

DATE
SH 03 OF 16

DATE	SCALE	DATE	SCALE
AUG 18, 2022	NTS		
DATE OF	SCALE	DATE	SCALE
WATT L	A		

Stuede Survival Systems

REF 4302618197

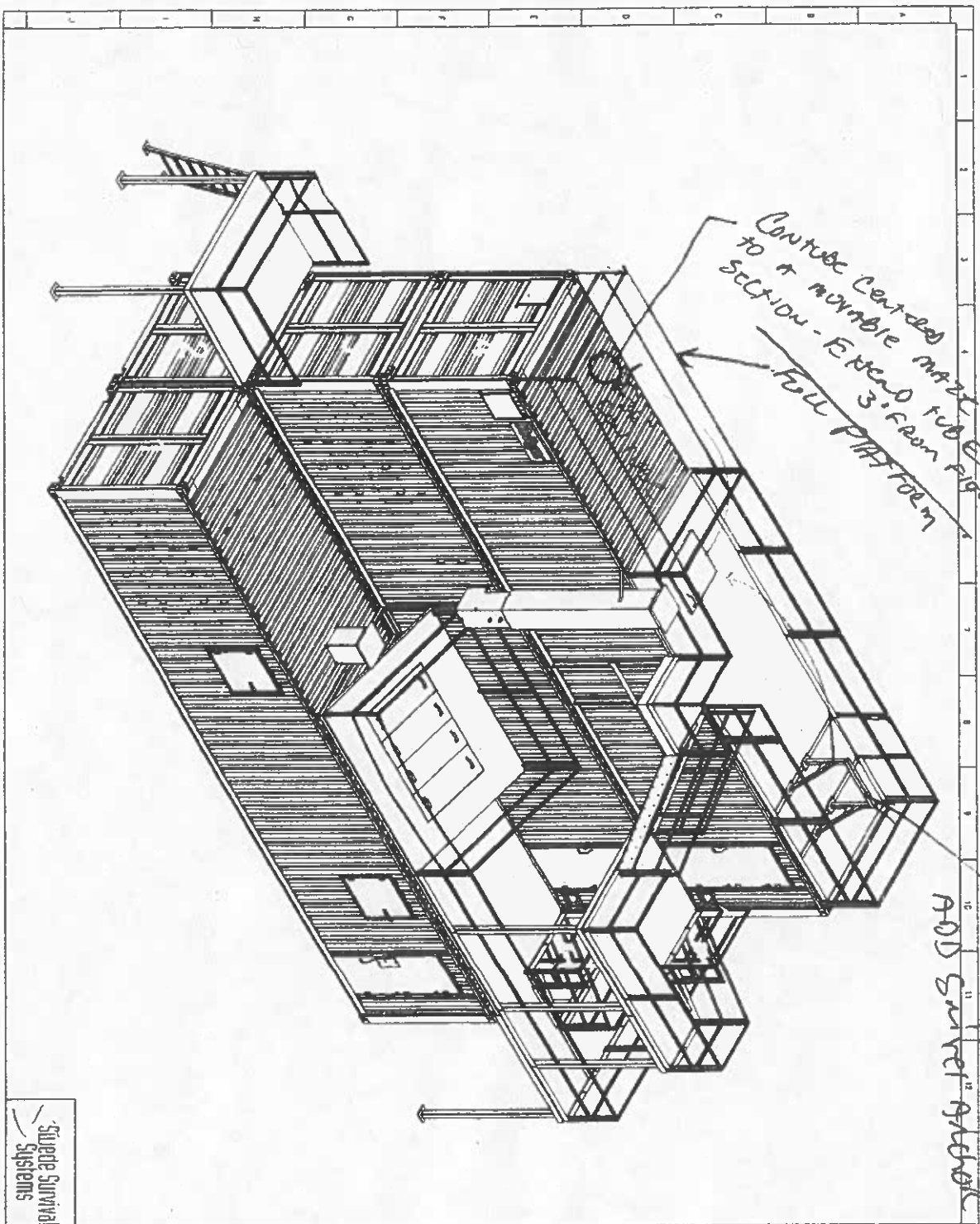


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Remove Muzzle

REV	DATE	DESCRIPTION
A	06/16/22	ISSUED FOR APPROVAL
<p>Dräger</p> <p>PRODUCT PHASE II MODIFIED</p> <p>DATE/REV BETHEL FIRE DEPT</p> <p>TITLE BETHEL, ALASKA</p> <p>DRG NO FIRST FLOOR</p> <p>SCALE SH 15 OF 16</p> <p>DATE AUG 18, 2022</p> <p>DWG BY MATT L</p> <p>SCALE NTS</p> <p>REV A</p> <p>PKY 4302618197</p>		

Superior Survival Systems



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REV	DATE	DESCRIPTION
A	08/18/22	ISSUED FOR APPROVAL



PROJECT
 PHASE II MODIFIED

DISTRICT
 BETHEL FIRE DEPT.
 BETHEL, ALASKA

TITLE
 A/B SIDES
 ISO VIEW

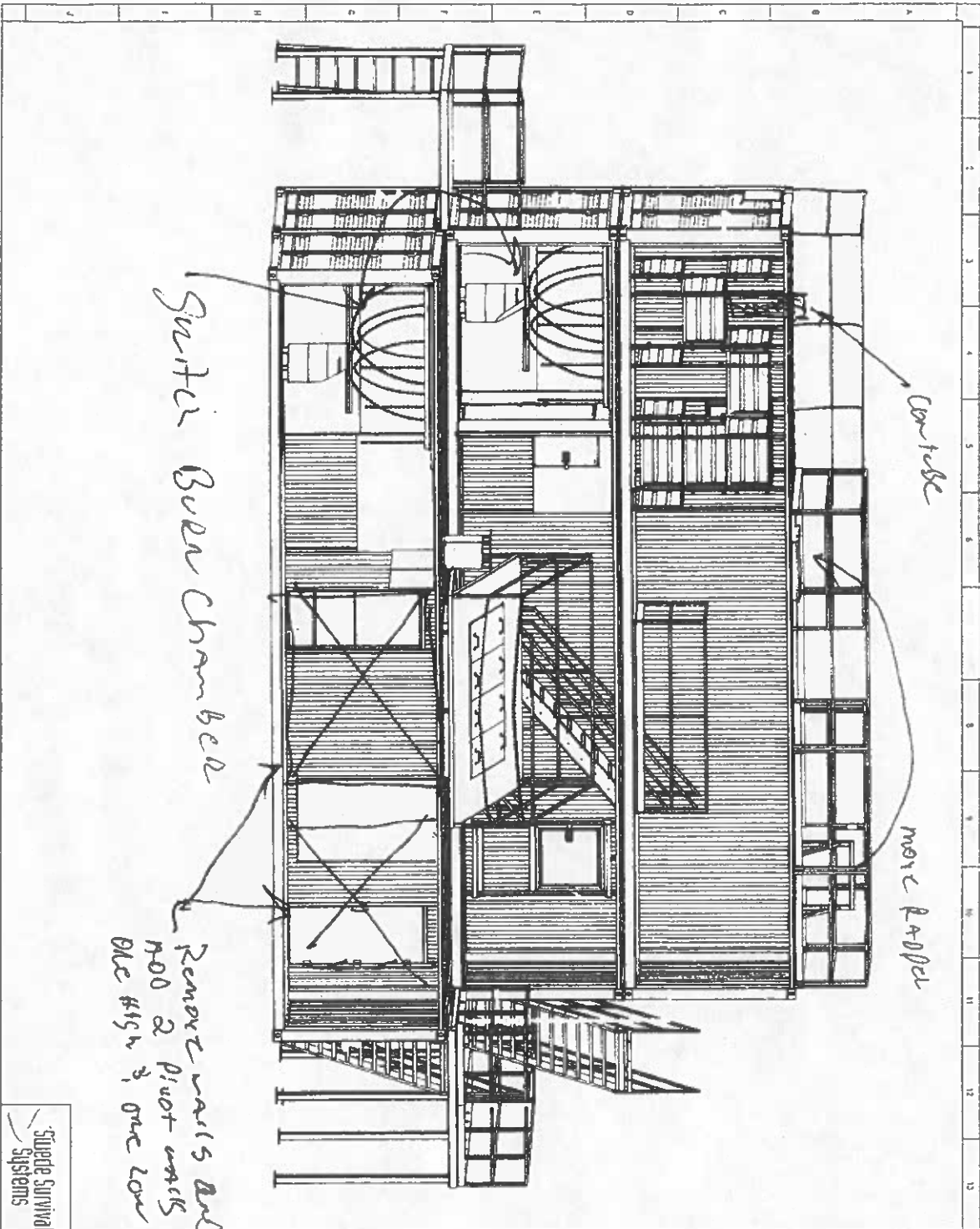
DWG NO.
 SH 02 OF 16

DATE AUC 18, 2022 SCALE NTS

OWN BY MATT L. REV. A

REF 4302618197

Stuede Survival Systems



Con table

Sunter Beer Chamber

more R+D

Remove walls and
add high & one low

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REV	DATE	DESCRIPTION
A	08/18/22	ISSUED FOR APPROVAL

Dräger

PROJECT PHASE II MODIFIED

DRAWING BETHEL FIRE DEPT.
BETHEL, ALASKA

TITLE A SIDE CUTAWAY

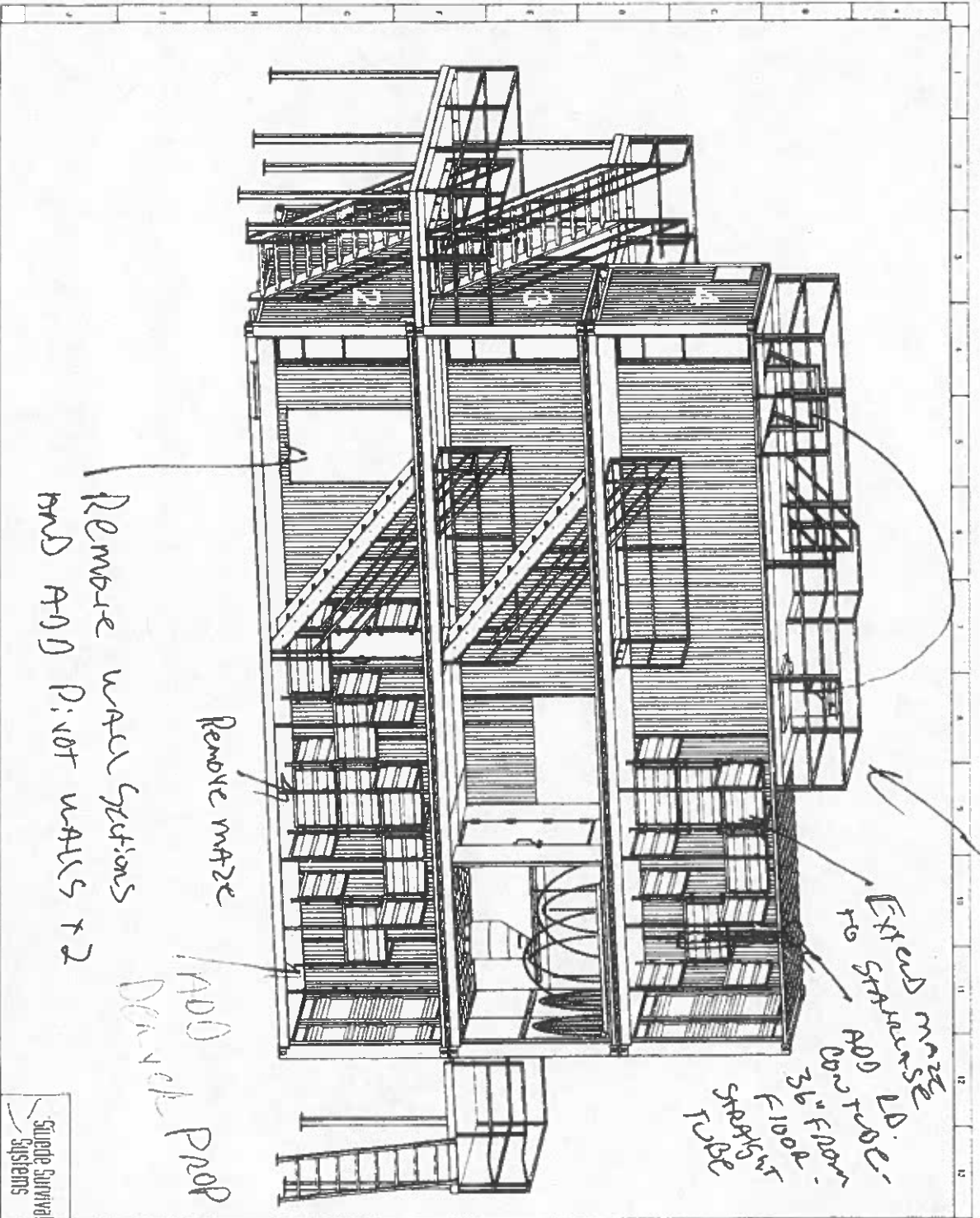
DWG NO SH 10 OF 16

DATE AUG 18, 2022 SCALE NTS

DWG BY WATT L REV. A

Proj 4302618197





Remove wall sections and ADD PIVOT WALLS x2

Remove mass

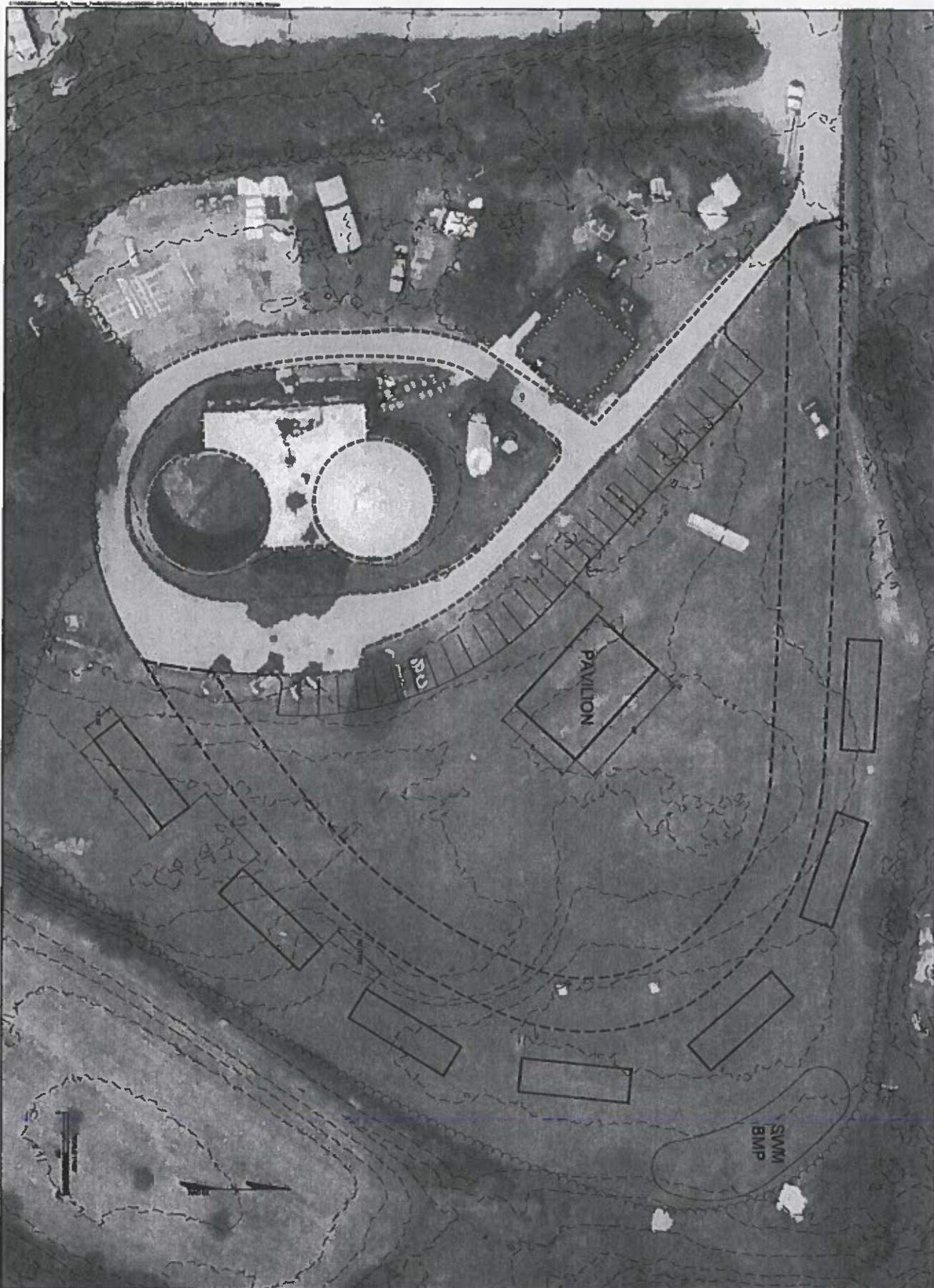
ADD Panel PROP

Extend Platform

Extend mass to 3rd floor
ADD 36" Floor
FLOOR STRONG BR

ADD 36" Floor
FLOOR STRONG BR

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<p>THESE DRAWINGS ARE FOR CONCEPTUAL USE ONLY. NOT FOR FABRICATION.</p>		
REV #	DATE	DESCRIPTION
A	08/18/22	ISSUED FOR APPROVAL
<p>DRAGER SIO</p>		
<p>PRODUCT: PHASE II MODIFIED</p>		
<p>CLIENT: BETHEL FIRE DEPT BETHEL, ALASKA</p>		
<p>TITLE: C SIDE CUTAWAY</p>		
<p>DATE: AUG 18, 2022</p>		
<p>SCALE: NTS</p>		
<p>DATE: SH 11 OF 16</p>		
<p>PROJECT: SQUAD SURVIVAL SYSTEMS</p>		
<p>NO. 4302618197</p>		



TIMMONS GROUP

YOUR VISION ACHIEVED THROUGH OURS.

THIS DIAGRAM PREPARED AT THE
 TGS-CTI/HS OFFICE
 4701 DOWNS WAY, SUITE 100 | FIVE COLLEGE, VA 22675
 TEL: 804.941.6888 FAX: 804.438.1571 www.timmons.com

66006 08/10	HOPEWELL FIRE TRAINING FACILITY CITY OF HOPEWELL, VIRGINIA SITE PLAN LAYOUT		DATE 08/10/10	REVISION DESCRIPTION
	1. APPROVED 2. DESIGN 3. PERMITS 4. CONSTRUCTION 5. AS-BUILT	1. APPROVED 2. DESIGN 3. PERMITS 4. CONSTRUCTION 5. AS-BUILT		

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City of Hopewell
Department of Development

300 North Main Street
Hopewell, VA 23860

6/28/2023

Benjamin Ruppert
300 N. Main Street
Hopewell, VA 23860

RE : FIRE BURN BUILDING

Dear Mr. Ruppert;

In reference to the burn building for the City of Hopewell, Located at 200 Street, Hopewell, Va. A walk through study was conducted, and it was determined there are many structural issues that make this building unsafe to use for fire demonstration and fire training. Only smoke pot training will be allowed from this date forward. If you have any questions regarding this determination, please feel free to reach out, and I will be happy to discuss them with you.

Robert Hawkes
Building Official City of Hopewell
CBO, CBMO



DEPARTMENT OF

FIRE, RESCUE AND EMERGENCY SERVICES

Fire Administration Office
1151 Fort Cross Drive
Petersburg, VA 23805

Phone: 804.733.2328
Fax: 804.733.2881
Web: www.petersburgva.gov/fire

June 21, 2023

Chief Keith Johnson,
Chair, Virginia Fire Services Board
Virginia Department of Fire Programs
1005 Technology Park Drive
Glen Allen, VA 23059-4500

RE: Live Fire Training Structure Grant

Dear Chief Johnson and Board Members,

On behalf of the City of Petersburg, Department of Fire, Rescue and Emergency Services, I am communicating our support for the City of Hopewell's application for funds requested through the Live Fire Training Structure Grant. Since the closure of Hopewell's live fire training facility, the Tri-Cities/Crater Region has experienced a large gap in viable options with regards to live fire training opportunities held within the area. Currently, none of the localities for this area have a facility to conduct live fire training drills. This has significantly affected the quality of training afforded to our personnel.

The Tri-Cities/Crater Region has a long-enduring collaborative relationship. The cities of Colonial Heights, Hopewell and Petersburg along with the counties of Dinwiddie and Prince George all participate with our regional hazardous materials and technical rescue teams. The spirit of cooperation also extends to regional recruit academies that have taken place over the years and is planned again for this fall. Each locality provides mutual aid to the other as needed. Hopewell's plan for a new live fire training facility is a desperately needed resource for our area to conduct annual in-service training independently and collaboratively to practice safe and effective fireground operations.

We ask for your serious consideration in support of Hopewell's plan for a live fire training facility. Thank you for your continued commitment to provide safe and quality training for our area.

Sincerely,

Christopher Magann
Interim Fire Chief



COUNTY OF DINWIDDIE

Division of Fire & EMS

DENNIS HALE
Chief of Fire & EMS

13850 Courthouse Road
P.O. Drawer 70
Dinwiddie, Virginia 23841

DAWN TITMUS
Assistant Chief

(804) 469-5388
Fax (804) 469-7663
www.dinwiddleva.us

VACANT
Assistant Chief

June 20, 2023

Chief Keith Johnson,
Chair, Virginia Fire Services Board
Virginia Department of Fire Programs
1005 Technology Park Drive
Glen Allen, VA 23059-4500

Re: Live Fire Training Structure Grant

Dear Chief Johnson and Board Members,

I am writing in support of the City of Hopewell's application for funds under the Live Fire Training Structure Grant. Hopewell's live fire training facility has been a staple for the localities in the Crater Region for many years. The Counties of Dinwiddie, Prince George, and the Cities of Colonial Heights and Petersburg have all used this facility for training in regional recruit schools and annual in-service training of our members. When the facility was condemned for the use of live fire, this significantly affected the options we have for conducting this training in the region, as none of the above listed localities currently have a live fire training facility. We have relied on facilities like this to fill this gap.

As a region, we work well together. We collaborate on a regional hazmat team, technical rescue team, and a swift water rescue team. Over the years, we have also collaborated on recruit schools, as we will be doing again this fall. We have all seen Hopewell's plan for their new facility, and are in support of the project, as it will provide a much needed training resource back to the communities here in the Crater Region. Please seriously consider Hopewell's proposal for this funding. Thank you for your support.

Sincerely,

A handwritten signature in black ink, appearing to read "Dennis E. Hale".

Dennis E. Hale
Chief of Fire & EMS
Dinwiddie County



CITY OF COLONIAL HEIGHTS

FIRE, EMS AND EMERGENCY MANAGEMENT

T. Wayne Hoover
Fire Chief

Public Safety Building
100-B Highland Avenue • P.O. Box 3401
Colonial Heights, VA 23834

David Kissner
Deputy Fire Chief

June 14, 2023

Chief Keith Johnson,
Chair, Virginia Fire Services Board
Virginia Department of Fire Programs
1005 Technology Park Drive
Glen Allen, VA 23059-4500

Re: Live Fire Training Structure Grant

Dear Chief Johnson and Board Members,

I am writing in support of the City of Hopewell's application for funds under the Live Fire Training Structure Grant. Hopewell's live fire training facility has been a staple for the localities in the Crater Region for many years. The Counties of Dinwiddie, Prince George, and the Cities of Colonial Heights and Petersburg have all used this facility for training in regional recruit schools and annual in-service training of our members. When the facility was condemned for the use of live fire, this significantly affected the options we have for conducting this training in the region, as none of the above listed localities currently have a live fire training facility. We have relied on facilities like this to fill this gap.

As a region, we work well together. We collaborate on a regional hazmat team, technical rescue team, and a swift water rescue team. Over the years, we have also collaborated on recruit schools, as we will be doing again this fall. We have all seen Hopewell's plan for their new facility, and are completely in support of the project, as it will provide a much needed training resource back to the communities here in the Crater Region. Please seriously consider Hopewell's proposal for this funding. Thank you for your support.

Sincerely,

T. Wayne Hoover

TWH/mg



Hopewell Fire & Rescue

200 South Hopewell Street
Hopewell, VA 23860
p: (804) 541.2288
f: (804) 541.2309

Chief Keith Johnson,
Chair, Virginia Fire Services Board
Virginia Department of Fire Programs
1005 Technology Park Drive
Glen Allen, VA 23059-4500

Department of Fire Programs

JUN 30 2023

Re: Live Fire Training Structure Grant

Administration

Dear Chief Johnson and Board Members,

Please find attached Hopewell's application for funding under the Live Fire Training Structure Grant. Hopewell's live fire training facility has been a staple for the localities in the Crater Region for many years. The Counties of Dinwiddie, Prince George, and the Cities of Colonial Heights and Petersburg have all used this facility for training in regional recruit schools and annual in-service training of their members. When the facility was condemned for the use of live fire in 2013, this significantly affected the options we have for conducting this training in the region, as none of the above listed localities currently have a live fire training facility.

In order to lean forward on this project, we have secured City owned property for the construction of this new facility at the City's retired wastewater treatment site. This site gives us room not only for this live fire training facility, but has space to develop the facility further, to include props for flammable liquid fires, industrial firefighting tactics, and other fire service training props, up to a total of at least six other full size props. The site also has room for a future classroom, which will give additional flexibility for the use of this training facility.

After securing the site, we had the City's environmental contractor evaluate the site for our intended use, which they approved. We then contracted with Timmons to begin site development, and thus far, they have completed a site layout, which is included in this package as well.

Finally, this project was presented to our City Council, and they approved the matching portion of this grant in the 2024 budget, should we receive it. To summarize, we are ready to move forward, and are simply waiting for the remaining funding to get this under way.

As a region, the Crater fire departments work well together. We collaborate on a regional hazmat team, technical rescue team, and a swift water rescue team. Over the years, we have also collaborated on recruit schools, as we will be doing again this fall. All of the partner jurisdictions have seen Hopewell's plan for their new training facility, and are completely in support of the project, as it will provide a much-needed training resource back to the communities here in the Crater Region. We have attached letters of support from them to this application. Please seriously consider our application, and should you have any questions please do not hesitate to contact me.

Sincerely,

Benjamin Ruppert,
Fire Chief



Demographic Data

Administrative Information

Main body of text, likely a report or document, containing several paragraphs of information.



Second main body of text, continuing the report or document.

Third main body of text, concluding the report or document.

Signature or stamp at the bottom center of the page.



The Creamery Building
21 South Kent Street, Suite 301
Winchester, VA 22601

Telephone: (540) 662-2298
FAX: (540) 542-1318
Website: www.winchesterva.gov

James D. Orndorff, Assistant Fire Chief
Winchester Fire and Rescue Department
21 S. Kent Street, Suite 301
Winchester, VA 22601

May 10, 2023

Theresa Hunter
Grants & Budget Manager
1005 Technology Park Drive
Glen Allen, VA 23059-4500

Department of Fire Programs

MAY 16 2023

Administration

Dear Ms. Hunter,

The enclosed grant request is for major repairs to our Live Fire training facility in Winchester VA.

Please accept this request and let me know of any questions or concerns with the grant, information enclosed supporting the grant, and/or anything that I may have overlooked that you need. The enclosed request does reflect the entire bid from SRG, however as you review the grant request you will notice we are only seeking funding that is to meet the NFPA 1402 & 1403 standard and bring our building back into compliance as required by the state and NFPA.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "JD Orndorff", written over a horizontal line.

JD Orndorff
Assistant Fire Chief



A. Applicant Information										
1. Title of Jurisdiction Making Application <small>(Check <input checked="" type="checkbox"/> only one, then make entry)</small>	<table border="1"> <tr> <td><input type="checkbox"/></td> <td>County of</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>City of</td> <td>Winchester</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Incorporated Town of</td> <td></td> </tr> </table>	<input type="checkbox"/>	County of		<input checked="" type="checkbox"/>	City of	Winchester	<input type="checkbox"/>	Incorporated Town of	
<input type="checkbox"/>	County of									
<input checked="" type="checkbox"/>	City of	Winchester								
<input type="checkbox"/>	Incorporated Town of									
2. Employer Identification Number (EIN)	[REDACTED]									
3. Principal Point of Contact <small>(Include salutation, name & title.)</small>	J.D. Orndorff, Assistant Fire Chief									
4. Mailing Address <small>(Include zip code+4)</small> Identify COUNTY if appropriate →	21 S. Kent Street, Suite 301 Winchester, VA 22601									
5. Telephone Number	(540 662-2298									
6. FAX Number	(540-542-131									
7. Internet e-mail address	james.orndorff@winchesterva.gov									
8. Application Scope <small>(Check <input checked="" type="checkbox"/> only one)</small>	<table border="1"> <tr> <td><input type="checkbox"/></td> <td>Sole Jurisdiction as identified in [A]</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Multiple Jurisdictions - Complete [F]</td> </tr> </table>	<input type="checkbox"/>	Sole Jurisdiction as identified in [A]	<input checked="" type="checkbox"/>	Multiple Jurisdictions - Complete [F]					
<input type="checkbox"/>	Sole Jurisdiction as identified in [A]									
<input checked="" type="checkbox"/>	Multiple Jurisdictions - Complete [F]									

Department of Fire Programs
MAY 16 2023
Administration

B. Facility Information (Burn Building)	
	The term "burn building" refers to an unoccupied structure. The purpose of the Burn Building is to provide live fire training to fire service personnel in support of Fire Fighter I and Fire Fighter II Training throughout the Commonwealth of Virginia.
1. Current / Proposed Owner of Facility	<small>(Party holding /to hold title to the property)</small> City of Winchester
2. In-Service Date or Age of Structure	<small>(Leave blank if NOT an existing structure as reported in (C1) below)</small> Date 02/01/20 <input type="checkbox"/> Unknown If unknown, enter approximate age in years
3. Address of Structure <small>(If appropriate, identify COUNTY where located)</small>	1716 Woodstock Lane Winchester VA, 22601
4. Will the renovation or repair bring the the burn building into compliance with the current standard of NFPA 1403, including appropriate NFPA 1403 signage? If no, explain in 6. Comments	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
5. Will the construction of the burn building be in compliance with the current edition of Sections I through IV of the Summary of Burn Building Prop Grant Program as included in the VDFP Project Manual for Burn Building Props and the current standard of NFPA 1403? If no, explain in 6. Comments	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6. Comments (pertaining to Facility)	None We opened this facility officially in March of 2020, and since then we have been conducting live fire training between Frederick and Winchester. We have seen degradation of the burn rooms since opening and according to the quote we have received the building needs immediate repairs.

C. Facility Usage		
1. Number of annual burns (must be documented) (for New construction, this figure is projected)	VDFP FFI Burns <input type="text" value="12"/> (in compliance with NFPA 1403 standards)	
	VDFP FFII Burns <input type="text" value="6"/> (in compliance with NFPA 1403 standards)	
	In-Service Burns <input type="text" value="20"/>	
	Other Burns <input type="text" value="2"/> (specify types of burns)	
	Other Burns <input type="text"/> (specify types of burns)	
2. Travel to another facility	Distance traveled to closest alternate facility <input type="text" value="32"/> (in miles)	
	Time traveled to closest alternate facility <input type="text" value="1"/> (rounded to whole hours)	
3. Other localities served (list number of stations and number of firefighters served for each locality) (for New construction, this figure is projected) (if more than 5 localities are served, additional localities must be included on Additional Localities Served tab)	Name of Locality <input type="text" value="Winchester Fire & Rescue"/> Number of stations <input type="text" value="4"/> Number of Firefighters <input type="text" value="100"/>	
	Name of Locality <input type="text" value="Frederick County Fire & Rescue"/> Number of stations <input type="text" value="11"/> Number of Firefighters <input type="text" value="172"/>	
	Name of Locality <input type="text" value="Clarke County Fire & EMS"/> Number of stations <input type="text" value="3"/> Number of Firefighters <input type="text" value="50"/>	
	Name of Locality <input type="text"/> Number of stations <input type="text"/> Number of Firefighters <input type="text"/>	
	Name of Locality <input type="text"/> Number of stations <input type="text"/> Number of Firefighters <input type="text"/>	
	TOTAL NUMBER OF STATIONS SERVED (from above and add) <input type="text" value="18"/>	
	TOTAL NUMBER OF FIREFIGHTERS SERVED (from above and add) <input type="text" value="322"/>	
	4. Maintenance of facility (for New construction, skip Section C.4. Section E.2. MUST be completed)	Annual Maintenance Inspections <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (documentation of annual inspections MUST be provided with application for inspections conducted after 12/2007)
		Previous Repair Projects <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (documentation MUST be provided with application for most recent repairs)

MAY 16 2023

Administration

Department of Fire Programs

D. Project Description	
1. Level of work proposed (Check <input checked="" type="checkbox"/> only one)	<input type="checkbox"/> NEW Construction where no such structure previously existed <input checked="" type="checkbox"/> RENOVATION of an existing burn building or substantially similar structure <input type="checkbox"/> REPAIR of an existing burn building (up to \$50,000)
2. Type of Building (proposed or existing)	<input checked="" type="checkbox"/> Class A fuel <input checked="" type="checkbox"/> Prototype I plans (brick, block, concrete) <input type="checkbox"/> Class B fuel <input type="checkbox"/> Prototype II plans (steel frame) <input type="checkbox"/> Other* <input type="text"/> Square Footage of Building (proposed or existing) <input type="text"/> 2 Number of Burn Rooms on 1st floor <input type="text"/> 2 Number of Burn Rooms on 2nd floor For New Construction: *If building plans deviate from Prototype I or II, applicant MUST define building concept and include proposed plans with application. For Renovations or Repairs: *If building plans deviate from Prototype I or II, applicant MUST include copy of existing building plans with proposed renovations/repairs.
3. Architectural and/or Engineering (A/E) (Check <input checked="" type="checkbox"/> only one for each)	Has an A/E study already been completed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable If so, is a copy attached to this application? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable
4. Condemnation and/or fitness for use (Leave [C4] blank if this application is for totally new construction; otherwise Check <input checked="" type="checkbox"/> only one for each statement)	time of application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, is there currently a scheduled date to remove the structure from service? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, enter the month & year: _____ If not presently in service, has this structure been <u>condemned</u> by a building official or other such entity legally empowered to do so? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable If yes, is a copy of such order attached to this application? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable

Department of Fire Program
 Administration
 MAY 16 2023

E. Financial Plan		An estimated project budget must be attached to this application. For renovation/repair projects, contractor estimates must be attached.	
1. Project Budget (Capital Expend)			
a. Expense			
i. Estimated Cost of Construction (Enter or check <input checked="" type="checkbox"/>)	\$ 135,472.35	<input type="checkbox"/>	Unknown at time of application
ii. Estimated A/E Costs (Enter or check <input checked="" type="checkbox"/>)	\$ -	<input type="checkbox"/>	Unknown at time of application
iii. Estimated Total Costs (Enter or check <input checked="" type="checkbox"/>)	\$ 150,274.85	<input type="checkbox"/>	Unknown at time of application
b. Revenue			
i. Grant Funding Being Requested New construction maximum \$450,000	\$ 150,274.85		
ii. Matching / Cost Share Funds	\$ -		
iii. Source of Matching Funds (local contributions, donations, etc.)	Depending on what is funded through grant matching funds would fr		
2. Operating Budget (Maint. Expend)			
a. Is there a financial agreement among partnering localities?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Not Applicable
b. Is there a local budget for annual maintenance costs?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
c. Is there a local budget for annual inspection costs?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
d. Is there a local budget for 5-year inspection costs?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Department of Fire Programs
 MAY 16 2023
 Administration

F. Additional Parties of Interest (Mark N/A and skip section [D] if not applicable - see [A.8])	Identify hereunder ALL jurisdictions (Not their Departments) otherwise participating in the proposed project. Attach additional sheets as may be required.
1. NON-Applicability	<input type="checkbox"/> No parties other than the jurisdiction identified in [A] above.
2. Formal Agreement Among Parties	Is there a formal agreement among parties with regard to the proposed project ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, is a copy attached to this application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is there a formal agreement among parties with regard to the shared use of the facility ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, is a copy attached to this application? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

{ Reproduce and complete as many additional blocs as may be necessary for complete disclosure }

2a. Complete <u>one each</u> for ALL other Parties of Interest	Number <input type="text" value="2"/> of a total of <input type="text" value="2"/> parties to proposed project <small>(Count the LEAD Locality as #1, thereby start with #2.)</small>
2b. Title of Jurisdiction <small>(Check <input checked="" type="checkbox"/> only one, then make entry.)</small>	<input checked="" type="checkbox"/> County of <input type="text" value="Frederick"/> <input type="checkbox"/> City of _____ <input type="checkbox"/> Incorporated Town of _____
2c. Employer Identification Number (EIN)	<input type="text" value=""/>
2d. Principal Point of Contact	<small>(Include salutation, name & title.)</small> <input type="text" value="Steven Majchrzak"/>
2e. Mailing Address <small>Identify COUNTY if appropriate →</small>	<small>(Include zip code+4)</small> <input type="text" value="1080 Coverstone Drive"/> <input type="text" value="Winchester VA, 22602"/> <input type="text" value="Frederick"/>
2f. Telephone Number	<input type="text" value="(540)"/> <input type="text" value="665-5618"/>
2g. FAX Number	<input type="text" value="(540)"/> <input type="text" value="678-4739"/>
2h. Internet e-mail address	<input type="text" value="steven.majchrzak@fcva.us"/>

Department of Fire Programs
 MAY 16 2023
 Administration

**G. Electronic Transfer
of Funds Information**

Note: The completion of this section is optional at the time of application and will not hinder determination of eligibility, etc. However, if not provided and since funds will only be transferred electronically, disbursement will be delayed until this information is properly provided.

1. Account Ownership Information
Employer Identification Number

[Redacted]

SSN may NOT be substituted

Complete next three (3) entries ONLY if Name is different than ACCOUNT TITLE as it appears in [E2].

NAME (Last, First, Initials) [Redacted]
MAIN (Telephone Number) [Redacted]
ALTERNATE (Telephone Number) [Redacted]

2. Direct Deposit Account Information
(Check one Type of Account)

Checking Savings

ROUTING TRANSIT NUMBER (9 digits) [Redacted]
ACCOUNT NUMBER [Redacted]
ACCOUNT TITLE [Redacted]
FINANCIAL INSTITUTION [Redacted]

Department of Fire Programs

MAY 16 2023

Administration



Note ☞ This section of the application MUST be properly executed for the

- City Manager /or/ Deputy
- County Administrator /or/ Deputy
- Town Manager /or/ Mayor
- Or other duly authorized official but only when the application

Only completed applications can be acted upon .

CERTIFICATION

This application is made on behalf of the jurisdiction above described [A] with the full knowledge and belief that all representations herein made are true and correct.

Signature	<u>John R. Piper</u>	Date	<u>5-9-2023</u>
Printed Name	<u>John R. Piper</u> <u>Deputy City Manager</u>	Title	<u>DCM - Public Safety</u>

(All applications must be notarized to be considered - incomplete forms shall be returned)

State of Virginia }
}

City / County of: Winchester }

On this 9 day of May (month) in 2023 (year), before me, the undersigned a Notary Public for the Commonwealth of Virginia, personally appeared John R. Piper to me known (or to me proved) to be the identical person named herein and having in my presence executed the above, and acknowledged that he executed same as his voluntary act and deed.

My Commission expires: June 30, 2023
Date

Kerri Arlene Mellett
Notary Public {Seal}

KERRI ARLENE MELLOTT
 NOTARY PUBLIC
 REGISTRATION # 7634650
 COMMONWEALTH OF VIRGINIA
 MY COMMISSION EXPIRES
June 30, 2023

Administration

MAY 16 2023

Department of Fire Programs

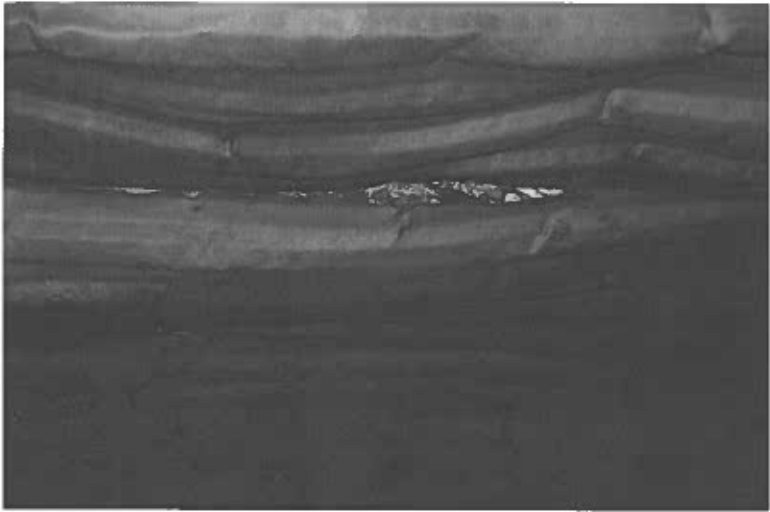
SRG INC.

ENGINEERING SOLUTIONS

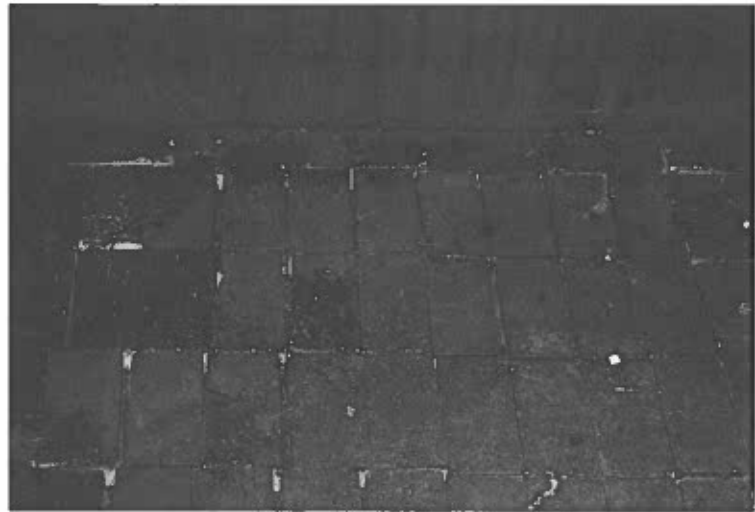
2022 Inspection and Upgrades
Winchester VA

2/11/2023

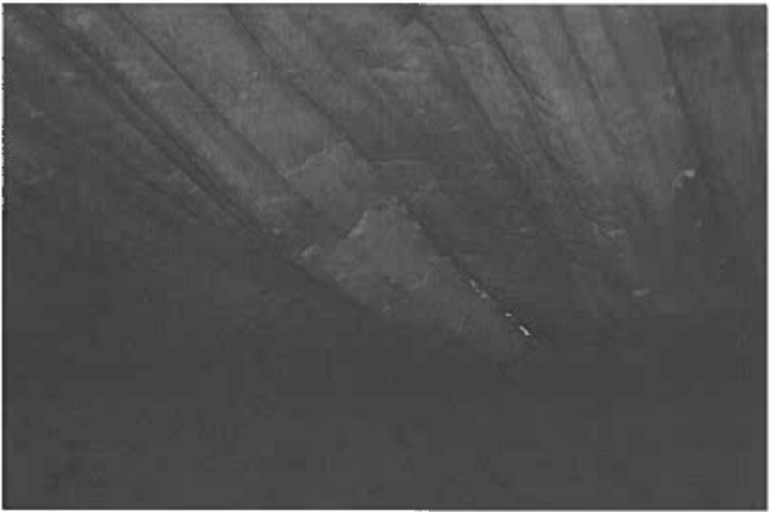
Item	Work Assignment	Description of Issue	Remediation	Subtotal
1		1402 Interior Door, Protect Outside wall and Ceiling	8- Interior Doors 8 Low Density 2 x 4 ~ 30 Panels	\$14,548.50
2		1402 Exterior Window Protect Outside Wall	4-Heat deflector Shields and 8 Padgenite	\$12,850.00
3		Reline Div. 1 DA Corner Burn Room Ceiling Padgenite	Rem Existing Replace with Padgenite	\$17,132.50
4		Reline Div. 1 AB Corner Burn Room Ceiling Padgenite	Rem Existing Replace with Padgenite	\$17,132.50
5		Reline Div. 2 AB Corner Burn Room Ceiling Padgenite	Rem Existing Replace with Padgenite	\$17,132.50
6		Reline Div. 2 DA Corner Burn Room Ceiling Padgenite	Rem Existing Replace with Padgenite	\$17,132.50
7		Rework Lining Protecting Beams	Add heavy gauge lapped corner sections	\$4,282.50
8		Cracked and Broken Window and Door Lining	Repalce Padgenite x 8 High Density	\$8,683.60
9		Floor Slab Cracks	Rout and Seal	\$1,618.00
10		Parapet Beams	Replace Both Beams- I-Beam Preffered	\$9,500.00
11		Remove Burn Room Door Handles	Add or Adjust Spring Closers Add Prop knob.	\$1,616.00
12		Repair any Windows not opening and closing freely	Estimated 2	\$740.00
13		Repair any Doors not opening and closing freely	Estimated 2	\$1,183.75
14		Loose Fire Brick	Repair Rework-Add Retainer	\$3,700.00
15		Replace TMS	Replace TMS Fully VDFP Compliant with Training	\$15,130.00
16		Burn Cribs	Burn Cribs with Fire Brick and Cover *4	\$10,350.00
17		Closing Report Project Planning and Management	Closing Reports for VDFP. Final Inspectiong	\$2,590.00
			Travel 1	\$ 8,336.25
			Travel 2	\$ 6,466.25
Please Add Work Assignment if Applicable Work Responsibility			Total Project	\$170,124.85
1 =SRG Inc -Proceed 2=Department Personnel or Completed 3=Municipal Facilities-AHJ Responsibility 4= Contractor Local Labor Pool 5=Remove-Hold or Stop Work			Notes Although the room sizes vary slightly the total re-line cost was divided by 4. To re-line the ceiling is the average cost per room.	



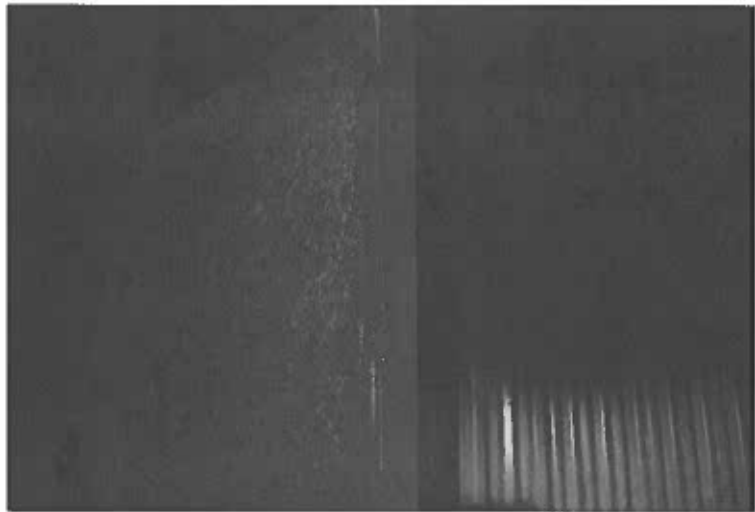
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Winchester Re-Work 02-2023 002.JPG



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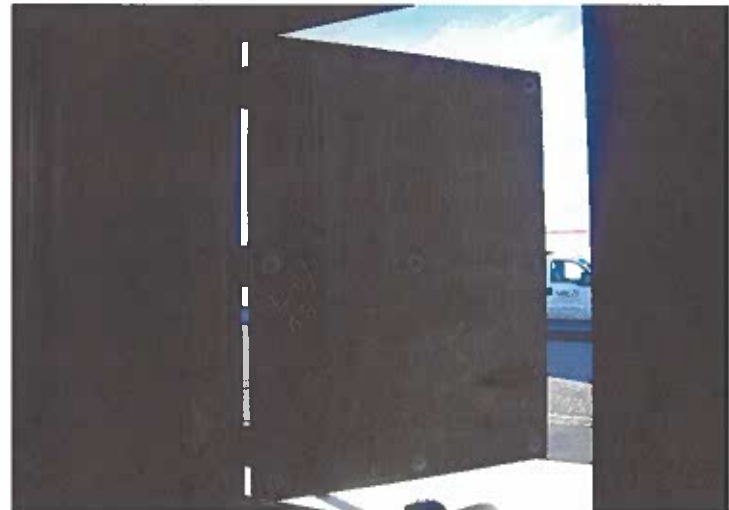
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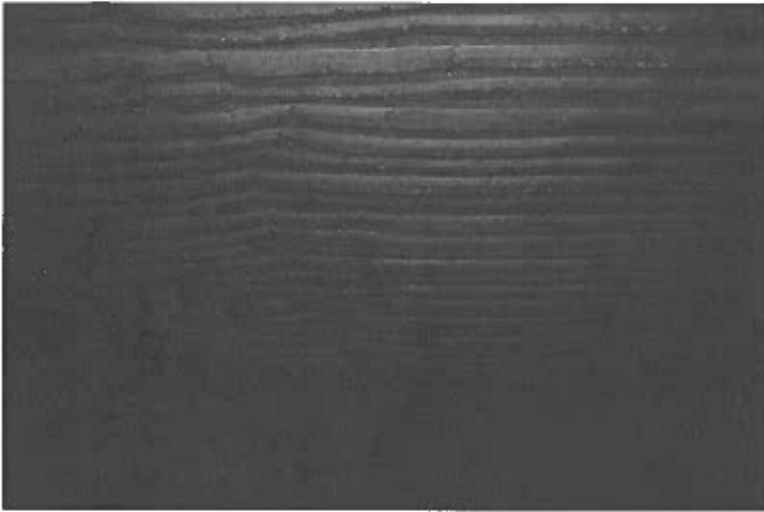
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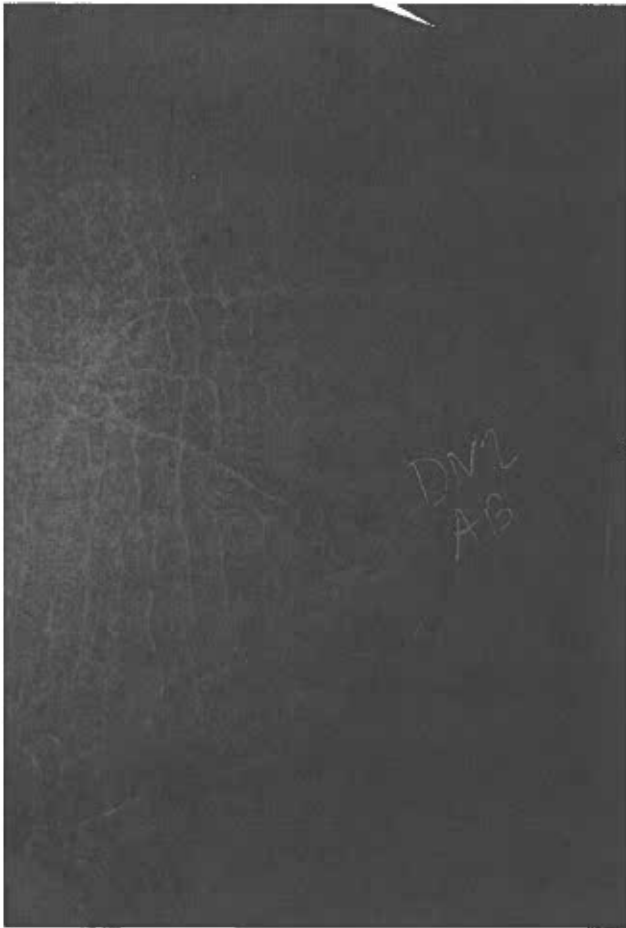
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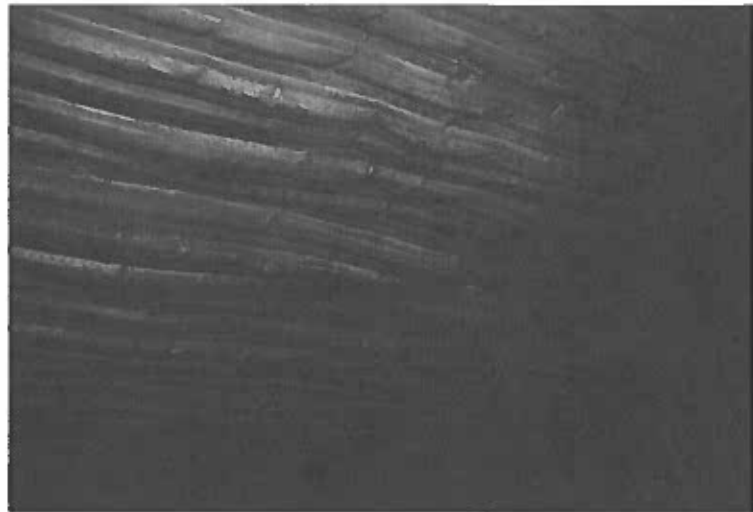
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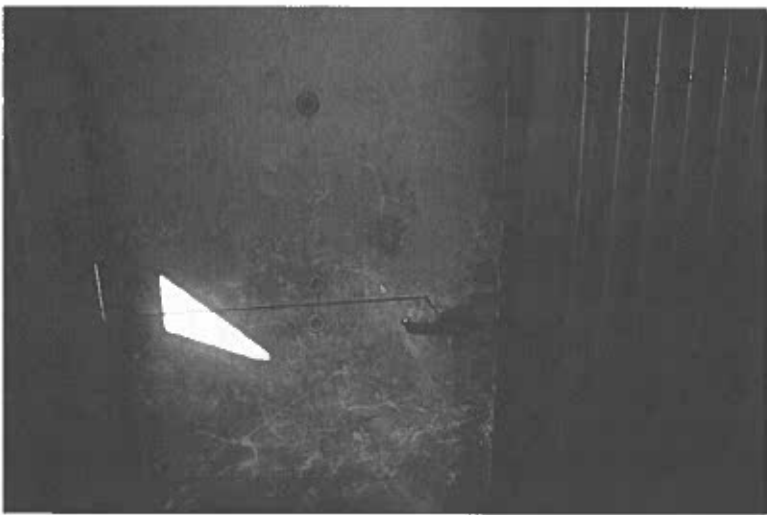
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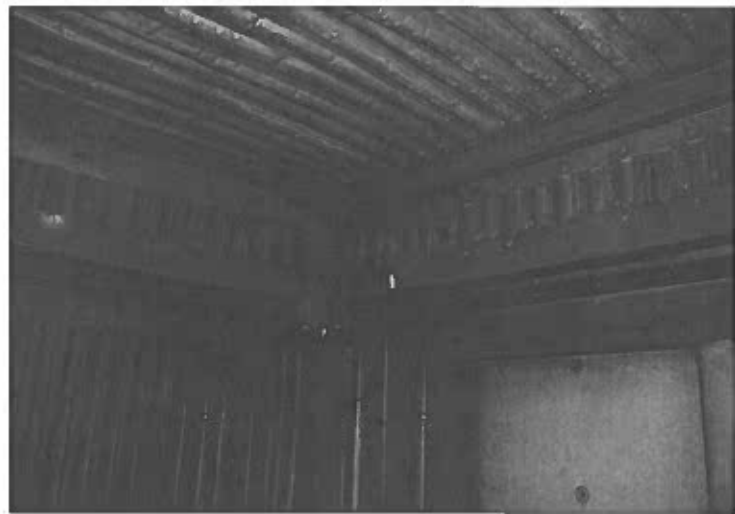
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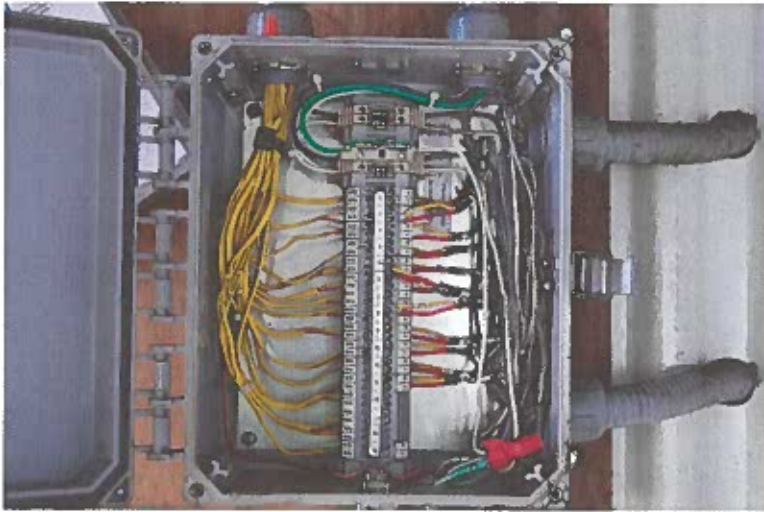
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Winchester Re-Work 02-2023 019.JPG



Winchester Re-Work 02-2023 020.JPG



Winchester Re-Work 02-2023 021.JPG



Winchester Re-Work 02-2023 022.JPG



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Winchester Re-Work 02-2023 024.JPG



Winchester Re-Work 02-2023 025.JPG



Winchester Re-Work 02-2023 026.JPG



Memorandum of Understanding Between Winchester Fire and Rescue Department and Frederick County Fire and Rescue Department for Use of the Regional Training Facility

This Agreement shall become effective upon the date hereof, and shall remain in full force and effect until canceled by mutual agreement of the parties hereto, or by written notice of one party to the other party, giving sixty (60) days notice of cancellation.

Scope: This MOU provides the understanding that the Winchester Fire and Rescue Department (WFRD) is the fiscal agent responsible for the training grounds located at 1716 Woodstock Lane Winchester, VA 22601. The training props will be the responsibility of the indicated agency as listed below with the understanding that WFRD and Frederick County Fire and Rescue Department (FCFRD) will coordinate use of the props in advance. The WFRD will maintain the classrooms and restroom facilities.

Live Fire Training Structure: Will be the responsibility of WFRD for the maintenance and inspection as set by the Virginia Department of Fire Programs Live Fire Training Structure Grant Program requirements. The use of the building will be authorized through WFRD.

Cold Training Structure: Will be the responsibility of WFRD for the maintenance of the structure. The use of the building will be authorized through WFRD. There will be no live fire training permitted in this building.

Conex Maze Trailer: This trailer will be the responsibility of WFRD for any and all maintenance. The use of the maze will be authorized through WFRD.

Rapid Intervention Structure: Will be the responsibility of FCFRD for the maintenance of the structure. The use of the building will be authorized through FCFRD. There will be no live fire training permitted in this building.

Training Equipment Trailers: The training equipment trailers located on site are the property of FCFRD. The use of any and all equipment will be authorized through FCFRD.

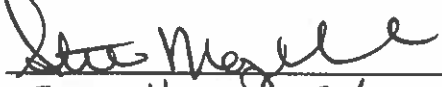
Forcible Entry Prop: This prop will be the responsibility of FCFRD. The use of the prop will be authorized through FCFRD.

Air Cascade Trailer: The air trailer will be the responsibility of FCFRD for any and all maintenance. The use of the trailer will be authorized through FCFRD.

Trailer Maze: The maze trailer will be the responsibility of FCFRD with any and all maintenance. The use of the maze will be authorized through FCFRD.

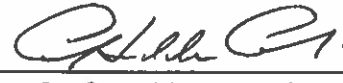
Additional Terms: All personnel utilizing the training center or any and all props shall be knowledgeable in proper use, operation, and maintenance. This also includes all safety operations while equipment, props, and/or buildings are being utilized for training. A pre-use inspection shall be performed prior to a training event followed by a post-use inspection after the training event. Any defects discovered prior to use shall be corrected prior to use. Any defects discovered after use shall be corrected after use. Any outside agency use of the training grounds will only be authorized through the WFRD.

Frederick County Fire and Rescue
Department

By: 
Steve Majchrzak
(name)
FIRE CHIEF
(title)

Date: 2/3/21

Winchester Fire and Rescue
Department

By: 
CARL HADDEN CULP, JR.
(name)
INTERIM FIRE CHIEF
(title)

Date: 2/18/2021

PAINTER-LEWIS, P.L.C.

CONSULTING ENGINEERS

817 Cedar Creel Grade, Suite 120
Winchester, Virginia 22601

Tel.: (540) 662-5792
Fax.: (540) 662-5793

Inspection Report:

Inspection #1: 2021 Annual General Building Inspection (Post-Installation Inspection)

Project: Winchester Area - Regional Burn Building
1716 Woodstock Lane
Winchester, Virginia 22602

Client: Winchester Fire and Rescue Department (WF&RD)
21 South Kent Street, Suite 301
Winchester, Virginia 22601
Attn.: Mr. James D. Orndorff, Assistant Chief - Support Services

Permit No.: Annual Permit
Date of Inspection: 07-07-2021
Inspection Type: General Structural Inspection
Contractor: WF&RD
(Client)

Time: 10:00 AM
Weather: Sunny, Hot
86°

Date of Approval: 07-07-2021

REMARKS: Annual General Structural Inspection: Post-Installation Inspection

A: Components of Distress - There were no elements observed to be in distress or have deteriorated or moved excessively as of this date. There was some very slight buckling of the roof decking ribs, but that is to be expected. The slight degree of buckling has not compromised the structural capacity of these elements. As to be expected, there is smoke damage noted throughout the building, but this discoloration is cosmetic only and has not damaged any of the observed structural components in this structure.

B: Thermal Linings - All thermal linings were found to be sound and functional. Some minor distress was noted, but this minor damage has not compromised these thermal lining systems.

C: Metal Shutters, Doors, Windows, Stairs, and Signage - There was no noted distress, excessive movements, nor damage noted in any of these elements at the time of this inspection. All stairs and guardrails were sound and functional. All shutters, doors, and windows were operational and functioning properly.

D, E, & F: Temperature Monitoring Equipment - This item was to be handled by the Client. All reports shall be provided by them.

G: Report: No photographs were necessary because no damage was noted. Similarly, no plans, elevations, repair recommendations, nor repair costs were prepared, because none are needed at this time.



221 Aviation Drive
Winchester, VA 22602
Phone: 540-665-0130
Fax: 540-722-2678
www.lcwconstruction.com

December 16th, 2021

Mr. James Orndorff
Winchester Fire and Rescue Department
21 S. Kent Street, Suite 301
Winchester, VA 22601

Re: Live Fire Training Structure Repairs

Dear Mr. Orndorff:

The following is LCW Construction's cost proposal to furnish labor and miscellaneous material (such as fasteners) to complete the following repairs to the Live Fire Training Structure located at 1716 Woodstock Lane in Winchester. No new building materials (such metal trim, door components, etc.) have been included.

- Secure loose trim at left of door.
- Secure all burn room door handles so they will not become loose and detach from doors.
- Reinstall/secure metal angle at ceiling corner.
- Tighten screws at window jambs (all).
- Cut back toe kick at base of railing outside east exterior door (on second floor).
- Adjust west exterior door that is sprung and rubs jamb (on second floor).

The cost for this proposal is \$965.00.

This proposal is valid until January 24th, 2022. After this date, the price may require adjustment. Please sign below to indicate acceptance. Thank you for the opportunity to work with you on this project.

Sincerely,

DREW P. ARNETT
Project Manager

Approved by:

Date: 12-19-21



Ph: 540-665-0130
Fax: 540-722-2678

To:
Winchester Fire & Rescue Dept
21 S Kent Street, Suite 301
Winchester, VA 22601

Remit to:
LCW - Lantz Construction Winchester
221 Aviation Drive
Winchester, VA 22602

INVOICE

Inv # 385-23
Inv Date 3/17/23
Due upon receipt

Contact: James Orndorff
540-662-2298
PO#: N/A

Work Location:
Live Fire Training Structure
1716 Woodstock Lane
Winchester, VA 22601

	Contract Amount	% Complete	Invoice Amount
Corner Ceiling Repairs in Burn Rooms	1,265.00	100%	1,265.00
Total Invoice Amount Due			\$1,265.00



COUNTY OF FLUVANNA

"Responsive & Responsible Government"

132 Main Street
P.O. Box 540
Palmyra, VA 22963
(434) 591-1910
Fax (434) 591-1911
www.fluvannacounty.org

BOARD OF SUPERVISORS

Mozell H. Booker
Chair
Fork Union District

Patricia B. Eager
Vice Chair
Palmyra District

John M. "Mike" Sheridan
Columbia District

Anthony P. "Tony" O'Brien
Rivanna District

Christopher Fairchild
Cunningham District

COUNTY ADMINISTRATION

Eric M. Dahl
County Administrator

Caitlin Solis
Clerk to the Board

August 11, 2023

Theresa Hunter
Interim Assistant Chief of Administration
Virginia Department of Fire Programs
1005 Technology Park Drive
Glen Allen, VA 23059-4500

Dear Ms. Hunter;

I am writing on behalf of Fluvanna County and the Fluvanna County Fire and Rescue Association to request the Virginia Fire Services Board's (VFSB) consideration for approval for the use of a container type structure for our live fire training structure grant that was awarded in August 2017. In addition, we are requesting a "No Cost Extension" through November 15, 2025 to complete our project.

Fluvanna County and the Fluvanna Fire and Rescue Association have been working continuously on this project since the grant was received to design and construct a cost-effective structure to meet our County's critical fire training needs. Over the years, the County encountered multiple unsuccessful and/or costly solicitation results, engaged in multiple needed cost saving redesign efforts to cut costs and have still encountered increased construction costs.

We do have a building design plan completed and a building permit issued for the project. However, the redesign and most recent solicitation for the project has yet to accomplish a cost effective project less than a million dollars. This outcome has left our small rural county once again going back to the drawing board to look at alternatives.

Our local live fire training building committee and I recently received a presentation and some preliminary pricing for a container type fire training structure. We understand approvals have been granted by the VFSB for other localities, namely the City of Richmond and Goochland County within the last 6 months to utilize a container type structure (Prototype IV Class B). Fluvanna County respectfully requests the same consideration could be granted to us to bring this needed project to fruition. Fluvanna County is interested in constructing a Prototype IV Class A structure that could provide additional valuable data for heat and training.

Fluvanna County and the Fluvanna Fire and Rescue Association thank you in advance for your thoughtful consideration and we appreciate your assistance with this request to present to the VFSB at the September meeting. Please feel free to reach out if you have any questions at all.

Respectfully
Submitted,

Eric M. Dahl
County Administrator

Summary of Open Project 9-1-23

Burn Building Construction Projects: 5 open

FLUVANNA County awarded FY18 480,000

- Locality would like a two year extension and building type change. On agenda for September meeting. This would be their 5th extension request.

HANOVER County awarded FY20 450,000

- Project is near completion. Ribbon cutting ceremony is being planned, tentatively for October.

SUFFOLK County awarded FY21 480,000

- No update to report.

RICHMOND City awarded FY23 480,000

- Received several FOIA inquiries concerning their project over the last two months. Community did not want building in the neighborhood chosen by the Fire Department. Recent News report states Richmond Fire have changed the location of their building project.

GOOCHLAND County awarded FY23 480,000

- No update to report.

Burn Building Renovation / Repair Projects

LYNCHBURG City (repair) FY22 awarded \$38,849

- Issued a second no cost extension in August 2023. New end date December 17, 2023

Virginia Beach (repair) FY22 awarded \$34,549

- Project end date November 12, 2023. Division Chief review repairs in August. Additional work needed.

Buckingham County (repair) FY23 awarded \$8,820

- A repair grant award was issued in November 2022. The locality has until November 2023 to complete the repairs outlined in the application.

Town of Wise (repair) FY24 awarded \$12,800

- A repair grant award was issued in June 2023. The locality has until June 2024 to complete the repairs outlined in the application.

Town of Chilhowie (repair) FY24 awarded \$17,800

- A repair grant award was issued in June 2023. The locality has until June 2024 to complete the repairs outlined in the application.