

## ADDENDUM #1

### Troup County Board of Commissioners

### Troup County Fire Department Burn Building -RPF

2495 Hamilton Road, LaGrange, GA 30241

Is this intended to be a full design-build project? **No**

Is the Contractor responsible for all structural engineering associated with the container modifications and stair system? **No**

Is a Georgia licensed Architect or Fire Protection Engineer required? **No**

Will stamped engineered drawings be required for permit approval? **No**

Is the Contractor responsible for all code analysis associated with NFPA 1403 compliance? **Yes**

Is the facility required to comply with the latest edition of NFPA 1403? **Yes**

Is the Owner expecting repeated live-fire training evolutions within the containers? **Yes**

Are refractory linings or insulated burn panels required? **No**

Is third-party review or certification required? **No**

Will the Owner require temperature-resistant coatings or thermal protection systems? **No**

Is the Contractor responsible for demonstrating long-term structural integrity after repeated burns? **No**

**Please identify all required inspections and testing associated with:**

**Please clarify whether the Owner or Contractor is responsible for testing and inspection costs.**

**Contractor will be responsible for all modifications of the following, except foundations and anchorage.**

Structural steel modifications

Container welding.

Foundations and anchorage. **We will handle**

Elevated stair systems.

Safety railings and platforms.

Live-fire burn room construction.

Will sealed calculations will be required. **No**

Are delegated design calculations are required for stairs, railings, platforms, and modified container openings. **No**

Please provide any available information regarding the existing burn building including:

Original PEMB drawings. **Not available**

Existing structural calculations. **Size: 32 length, 16 width and 30 foot high**

Existing foundation information. **Concrete**

Existing manufacturer information. **Unknown, 20+ years old**

associated with:

New container connections. **No load added**

Additional training loads. **n/a**

Repeated thermal exposure. **Yes, only when live fire burning in the two designated rooms.**

Which container walls are intended to be removed or modified. **None**

Are engineered reinforcement details are required. **No**

Are sealed structural calculations are required. **No**

Is the Contractor is responsible for all structural redesign associated with container openings.

**No**

Must the modified containers maintain shipping-container structural ratings. **No**

Please provide required design loads for:

Training floors. **No more than 7 persons**

Elevated platforms. **None**

Stairways. **2 persons**

Railings. **2 persons**

Observation areas. **No more than 7 persons**

Please clarify whether firefighter equipment loads and hose loads must be considered in the structural design. **Most loads will be in the stairwell going from the first floor to second floor.**

Is there geotechnical information available. **No**

Is the Contractor is responsible for geotechnical investigation? **No**

Please provide any available soils or site investigation reports. **None available**

Required wall and ceiling construction within the live-fire containers. **Steel Inforced**

Are thermal lining systems required. **No**

Are sacrificial burn panels acceptable? **No**

Are UL-listed assemblies required? **No**

What is the expected burn temperature? **500 degrees**

Is the Contractor responsible for thermal performance verification. **No**

Are engineered smoke exhaust systems required. **Yes**

Is mechanical ventilation required. **Yes**

Are smoke movement calculations required? **No**

Is carbon monoxide monitoring required. **No**

Are emergency smoke purge systems required? **No**

Does the smoke pot system requires dedicated venting or exhaust criteria? **Yes**

Maximum occupant load? **No more than 7 persons**

Required number of exits. **One in each container**

Is panic hardware required? **No**

Is emergency lighting required? **No**

Is illuminated exit signage required? **No**

Will the structure be reviewed under special hazard occupancy requirements. **No**

Required dimensions and materials. **8 x 6**

Are the wall intended for forcible entry training? **Yes**

Are replaceable inserts acceptable? **Yes**

Expected frequency of use. **Quarterly**

Must the wall simulate residential wall construction. **Yes**

Required stair width. **n/a**

Required rise/run criteria. **n/a**

Is galvanized steel acceptable. **n/a**

Is slip-resistant treads required. **n/a**

Must firefighter hose and equipment loads be considered? **n/a**

Required steel thickness for doors and windows. **Windows and doors must be steel plated**

Must doors and windows remain operable after repeated heat exposure. **Yes**

Is impact-resistant hardware required? **No**

Is positive latching hardware required.? **Yes**

Are gasketing or smoke-resistant assemblies required? **No**

Required surface preparation standards. **None**

Required coating system. **Wood**

Are heat-resistant coatings required? **Yes, for burn containers**

Does the existing structure requires full blast cleaning prior to painting. **No, just sanding**

Required warranty duration for coating systems. **10 years**

Does power currently exist at the burn building? **No**

Is interior lighting required? **No**

Is emergency lighting required? **No**

Are low-voltage systems required? **No**

Are any fire alarm or monitoring systems required? **No**

Available electrical capacity at the site. **None**

Required smoke pot manufacturer or approved equal. **Yes**

Fuel source requirements. **Wood**

Vent routing requirements. **Yes, vent from first floor to second floor and then out of the top**

Are dedicated structural supports required? **Yes, burn rooms**

Does the smoke system require any environmental or fire code review? **No**

Is professional liability insurance required? **Yes**

Is pollution liability insurance required? **No**

Does the Contractor assume any liability associated with future firefighter training activities.  
**No**

Required warranty duration. **10 Years**

Must warranties include repeated live-fire exposure? **Yes**

Is burn-related deterioration excluded from warranty coverage? **No**

Are coating failures caused by heat exposure excluded? **Yes**

Please clarify whether the Owner has accounted for current lead times associated with:

Design, Review and Approval. 3-4 months **Yes**

Facility Fabrication- 5-6 months **Yes**

Final Installation- 2-3 months **Yes**

Please clarify whether schedule extensions will be considered for material procurement delays.

**Depending on documentation of delays from suppliers.**

Have underground utilities been located? **No**

Are hazardous materials present? **No**

Does concealed deterioration exist within the existing structure. **No**

Are asbestos or lead-containing materials present? **No**

Responsibility for unforeseen conditions encountered during construction. **Depending on documentation.**

Due to the specialized nature of live-fire training facilities, please clarify the following prior to bid: These are not yes and no questions: **All inspections will be performed by the Fire Marshal or Road Department.**

Required inspections and certifications.

Applicable codes and standards.

Acceptance testing requirements.

Long-term performance expectations. **To withstand training and substantial use**

Responsibility matrix identifying Owner vs Contractor responsibilities.

## **RFI Responses:**

Do the containers need to follow 1403 compliance? **Yes**

Will the grading be completed and leveled or are we responsible for it? **Yes, we will handle grading**

Do you want vertical ventilation? **Yes** If so, do you want it operated from the ground? **Yes**

Details needed for lower breach wall. **Sheetrock**

Will any doors need to be set up for forceable entry? **No, this will be added at a later date.**

Any repairs needed to the inside of the current building, other than doors and windows? **No**

What paint colors? **Existing building and new containers will be black, all doors, rails and windows will be red.**

Is the intent to be able to move from the current building through to the new building? **Yes**

What is the current roof material? **Metal**

Any concrete work involved? **No**

Are new stairs shown in the drawing? **No**

For the doors, do you want modified steel or plate? What size? **Steel and 3'0 size.**