



Live Fire Training Facility  
Cortlandville Fire District  
March 2018

March 21, 2018

## **Capital Project 2018- Class A Live Fire Training Facility estimated cost \$700,000.00**

### **General Information**

Project Name: Live Fire Training Tower / Educational Facility  
Project Location: 999 State Route 13, Cortland, NY 13045  
Organization: Cortlandville Fire District  
999 State Route 13, Cortland, NY 13045  
Contact: Kevin Whitney, Chairman, Board of Fire Commissioners  
Email: [whitney178@hotmail.com](mailto:whitney178@hotmail.com) Ph: (607) 423-2073  
Tax ID #: 16-1170803

### **Project Description**

Mission: The Cortlandville Fire District will construct a NFPA compliant, multi-use, Class A combustibles live fire, multi discipline training facility.

### **Overview**

In 2000 a collaborative effort was initiated to create and establish the Cortland County Regional Training Center (RTC) in an auxiliary building on the grounds of the Cortlandville Fire District's property. The key players involved in the creation and operation of this facility are the; Cortlandville Fire Department Inc., Cortlandville Fire District, Cortland County, Cortland County Fire Chief's Association, Cortland County Fire Advisory Board, FEMA and the remaining eleven fire departments of Cortland County. The RTC officially opened and was dedicated in October of 2008.

The governing body of the RTC is comprised of the; Cortlandville Fire Department Treasurer, Chairman of the Cortlandville Fire District, the office of the Director of Emergency Management and Communications for Cortland County and the NYS Fire Instructors assigned to Cortland County. This management team is responsible for the day to day operations, upkeep and fulfillment of the goals established to train emergency service providers throughout the greater Cortland County Region.

Entry level firefighters receive their certifications to become interior certified firefighters by successfully completing multiple curriculums provided by the Office of Fire Prevention and Control's (OFPC) certified team of State Fire Instructors. One of the mission critical lessons in the curriculum are the live fire evolutions. Currently the students, instructors, apparatus along with all live fire equipment and consumables are transported to the City of Ithaca's live fire training facility.

This facility was condemned earlier this year and after multiple repairs has been given a lifespan of less than five years.

Due to the pending loss of availability and use of the Ithaca burn facility the Cortlandville Fire District has committed to soliciting funding and grant opportunities to construct a state of the art, NFPA compliant Class A combustible, live fire training facility on the property of the RTC. This 40'X36'X28' masonry facility will be erected to resemble a 2 and one half (2 ½) story residential home with an attached garage. The building will incorporate four live fire burn rooms along with a series of non-burn rooms and hallways that will mirror the inside of a single family residence. Temperature monitoring equipment, interior heat resistant lighting and props to simulate a down or trapped firefighter are additional attributes of the structure. Erected on one end will be a four story 26'X12'X44' tower that will be utilized to simulate multi-story commercial and residential properties in which aerial truck operations and technical rescue simulations may be conducted.

### **Frequency of Use**

The Cortland County Regional Training Facility currently offers their Interior Firefighter program twice annually. During the program the students are required to conduct live fire training in two (2) four (4) hour training units. Typically these two training units are combined and held on the same day to assist in the logistics required to successfully accomplish the training goals.

Additional live fire training sessions will be scheduled to accomplish Public Employees Safety and Health (PESH) statues for required annual refresher training for interior firefighters. These sessions would be scheduled and facilitated by the New York State Fire Instructors assigned to Cortland County by OFPC. In total the facility would be utilized for live fire evolutions twelve (12) days annually.

The uniqueness of the facility will allow the in-county programs and any additional department's training sessions to use the building without live fire conditions. These "dress rehearsal" type training evolutions will provide the necessary obstacles and challenges for the firefighters without the exposure to live fire conditions and their hazards.

The facilities normal operation times will generally be after 1700 hr to 2100 hr due to the nature of our volunteer firefighter's work schedules. The RTC will conduct a live fire session during the daytime once annually. This is due to the established Daytime Firefighter Boot Camp which is held Monday thru Friday for three (3) weeks each summer.

### **Scope of Use**

Live fire training evolutions are closely regulated by PESH and OFPC. They all must be conducted in accordance with NFPA 1403 "Standard on Live Fire Evolutions". NFPA 1403 key requirements:

All instructors to hold Live Fire Training certification

Types of Class A combustibles that may be burned to be only be dry straw and wooden pallets furthermore strictly prohibiting the use of flammable liquids of any type.

Regulates the total weight of materials to be burned per fire to no more than 150 pounds which is typically (3) wooden pallets and (2) bales of dry straw.

Regulates the number of fires in a designated burn room per hour to not exceed two

Regulates that the total burn time of each fire from ignition to extinguishment not exceed ten (10) minutes

Regulates the instructor to student ratio for interior operations not exceed 1:4

### **Funding Sources**

The Cortlandville Fire District has secured funds from the State Facilities Program through the Assemblywoman Lifton in the amount of \$200,000. Along with funds from Senator Seward in the amount of \$300,00

The Cortlandville Fire District will budget to contribute \$110,000.

# What is a live fire training facility?



- Concrete / Cinder block construction
- Training structure that allows for live fire evolutions.
- Search and Rescue
- Ladder Drills
- Rappelling





# Why the need?



The Ithaca Fire Tower currently has a use expectancy of no more than 5 years.

Nearby towers are not suitable:

- Travel distance
- NFPA 1403 Requirements
  - Staffing & Apparatus Needs
- Fees for Use
- Facility Construction not practical

## **NFPA 1402**

“Ever changing technologies in fire suppression and fire prevention require that today’s fire fighters be knowledgeable and well trained. A proper environment for obtaining the knowledge and training is equally as important. This fire service training structure provides the facilities required for training and enhances the community’s well-being through better fire protection and prevention.”

## Cortland County Firefighter Training Series

- The only opportunity for live fire training
- New firefighters from across the state
- 200 Graduates since Spring 2008
- 57,999 hours of training



1<sup>st</sup> Graduating Class – Spring 2008

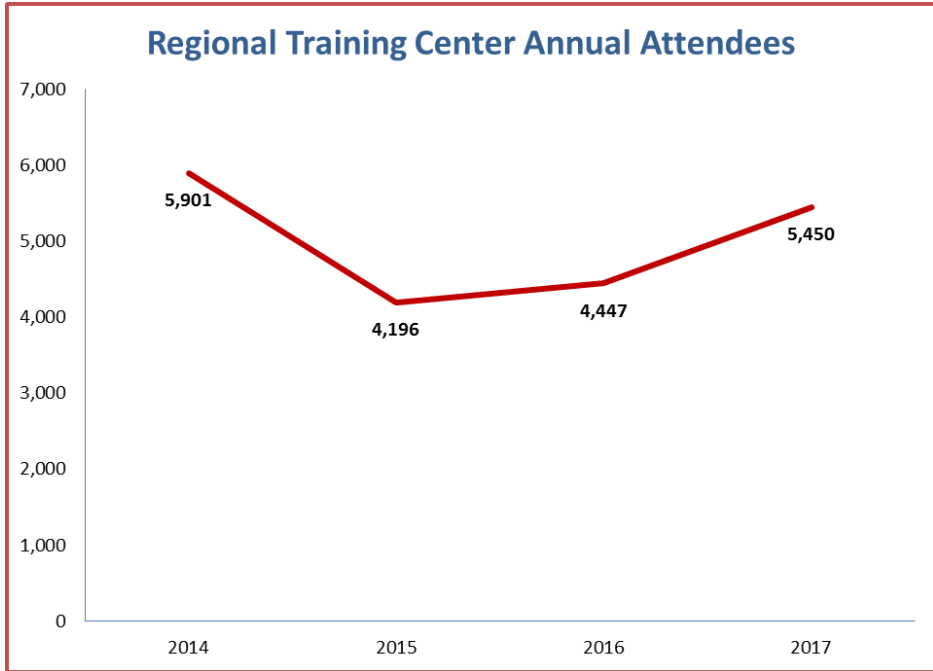
## Next Steps

- Estimated cost is \$700,000
- Location
  - Behind the current training center
- Are there funding opportunities
- If so, when would funding be allocated



# Cortland County Regional Training Center Annual Use Report

**Regional Training Center Annual Attendees**



YEAR	RTC BUILDING USE	RTC ATTENDEES
2008	72	549
2009	122	2,538
2010	136	3,335
2011	169	3,193
2012	161	3,582
2013	211	4,153
2014	245	5,901
2015	178	4,196
2016	193	4,447
2017	205	5,450
<b>TOTAL</b>	<b>1,692</b>	<b>37,344</b>

YEAR	NYS FIRE TRAINING COURSES	NYS STUDENT COMPLETIONS	PERSONNEL HOURS
2008	21	376	
2009	13	302	
2010	17	410	3,335
2011	21	382	3,193
2012	21	377	6,507
2013	24	395	8,234
2014	28	470	10,330
2015	20	263	5,850
2016	24	456	8,895
2017	31	718	11,655
<b>TOTAL</b>	<b>220</b>	<b>4149</b>	<b>57,999</b>



TOWN OF CORTLANDVILLE  
3577 TERRACE ROAD  
CORTLAND, NEW YORK 13045-3552

APPLICATION FOR CONDITIONAL PERMIT

APPLICANT

Name Cortlandville Fire District

Fee Paid \_\_\_\_\_

Address 999 State Route 13

Phone (607) 423-2073

Cortland, NY 13045

PROPERTY OWNER

Name Cortlandville Fire District

Phone (607) 423-2073

Address 999 State Route 13, Cortland, NY 13045

PROPERTY INFORMATION

Location of property 999 State Route 13, Cortland, NY 13045

Tax Map No. of Parcel 96.09-02-05.000

PROPERTY ACQUIRED ON, OR PENDING DATE OF ACQUISITION 06/15/1998

IS PROPERTY IN FLOOD PLAIN?  YES  NO

ZONING DISTRICT B3

PROJECT DESCRIPTION Live Fire Training Facility/Educational Facility - See attached Project Description

Information to be included will be drawn from a checklist in Article XIV of the Cortlandville Zoning Law.

DATE OF APPLICATION 03/16/18



Signature of Applicant

\_\_\_\_\_  
Zoning Officer

\_\_\_\_\_  
Planning Board Chairperson

PERMIT GRANTED \_\_\_\_\_

PERMIT DENIED \_\_\_\_\_

**GENERAL MUNICIPAL LAW**

**Zoning Referral Form**

**Conditional Permits, Special Permits, Site Plan Reviews & Variances**

Director  
CORTLAND COUNTY PLANNING DEPARTMENT  
37 Church St.  
Cortland, NY 13045-2838  
Telephone: (607) 753-5043  
Fax: (607) 753-5150

GML No. 96 09 02 05 000  
(Tax Map Number)

Date: May 16, 2017

Submitting Officer: Bruce Weber, Planning & Zoning Officer

Municipality: Town of Cortlandville

Mailing Address: 3577 Terrace Road, Cortland, NY 13045

Phone Number: (607) 756-7052

Fax Number: (607) 758-7922

Type of Referral

The applicant request the following:

Variance:            Bulk – Article            Section             
           Use – Article            Section           

Special Permit: Article            Section           

Conditional Permit: Article            Section           

Site Plan Review: Article            Section           

Reason(s) for request:           

Is the above action a **Type 1**            , **Type 2**            , or unlisted action under the State Environmental Quality Review Act? Attach required environmental assessment forms for Type I and unlisted actions.

The following information is required for your application to be complete:

1. Name of petitioner: Cortlandville Fire District

Owners name (if different):           

Date of acquisition: 06/15/1998

Address: 999 State Route 13 Cortland

State: New York

Zip: 13045

Phone Number: (607) 423 - 6142

Fax Number: \_\_\_\_\_

2. A Site Plan Map showing:

- a. Scale (1 inch equals 20 feet if site is less than 1 acre or an agreed upon scale for a site larger than 1 acre)
- b. North Arrow
- c. Physical Characteristics of Site, existing and proposed (Topography, Water and Vegetation)
- d. Layout Plan Showing buildings, parking and available utilities
- e. Surface and Subsurface Drainage Plan, incorporated with Layout Plan
- f. Location of County or State facility pursuant to Section 239 l, m and n of the General Municipal Law
- g. Location Map at 1"=1000' scale
- h. Area Map at 1"=200' or an agreed upon scale
  - (1) zoning classification of subject and adjoining properties
  - (2) surrounding land use within 500 feet of subject property
  - (3) surrounding zoning classifications

3. A certified Tax Map from the Cortland County Office of Real Property and Assessment showing the property lines of the applicant's property.

4. Availability of public utilities and services:

Water Comm/Public District \_\_\_\_\_ ; Sewer Comm/Public District \_\_\_\_\_ ;

Fire Protection Yes District FD012 ; Refuse Collection \_\_\_\_\_

Special services required: None.

5. Does Site Plan conform to municipal master plan? Yes If not why? \_\_\_\_\_

6. Does Site Plan conform to county land use plan? Yes If not why? \_\_\_\_\_

7. School District: Cortland City

8. Projected energy consumption: 1,000 KW/Year Type: Electric

9. Traffic generation (expected vehicle departures and arrivals per 24 hour period) : No increase.

NOTE: All maps require the name and address of the N.Y.S. licensed engineer or land surveyor responsible for preparing the seal and map.

  
CHAIRMAN - CORTLANDVILLE FIRE DISTRICT  
Signature and Title of Submitting Official

(REVISED: 8/01)

**TOWN OF CORTLANDVILLE  
3577 TERRACE ROAD  
CORTLAND, NEW YORK 13045-3552**

**AQUIFER PROTECTION DISTRICT SPECIAL PERMIT**

**APPLICANT**

Fee Paid \_\_\_\_\_

Name Cortlandville Fire District

Phone (607) 423-2073

Address 999 State Route 13, Cortland, NY 13045

**PROPERTY OWNER**

Name Cortlandville Fire District

Phone (607) 423-2073

Address 999 State Route 13, Cortland, NY 13045

If applicant is a Corporation, list name, address, phone and fax numbers of all corporate officers and directors on reverse side.

**PROPERTY INFORMATION**

Location of property 999 State Route 13, Cortland, NY 13045

Tax Map No. of Parcel 96.09-02-05.000

PROPERTY ACQUIRED ON, OR PENDING DATE OF ACQUISITION 06/15/1998

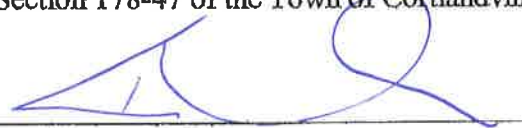
IS PROPERTY IN FLOOD PLAIN? YES  NO

AQUIFER PROTECTION AREA Primary

ZONING DISTRICT B3

Information to be provided as per Article and Section 178-47 of the Town of Cortlandville Zoning Law.

DATE OF APPLICATION 3/16/18



Signature of Applicant

\_\_\_\_\_  
Zoning Officer

\_\_\_\_\_  
Supervisor

PERMIT GRANTED \_\_\_\_\_

PERMIT DENIED \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

\_\_\_\_\_ Fax \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

\_\_\_\_\_ Fax \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

\_\_\_\_\_ Fax \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

\_\_\_\_\_ Fax \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

\_\_\_\_\_ Fax \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

\_\_\_\_\_ Fax \_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_ Phone \_\_\_\_\_

\_\_\_\_\_ Fax \_\_\_\_\_

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TO THE TOWN PLANNING BOARD  
TOWN OF CORTLANDVILLE  
CORTLAND COUNTY, NEW YORK

Planning Board File No. \_\_\_\_\_

APPLICATION FOR APPROVAL OF SUBDIVISION OF LAND

Date May 16, 2018

The undersigned owner(s) desire(s) to subdivide a parcel of land described as follows:

- 1.) Name of owner(s): Cortlandville Fire District  
Address: 999 State Route 13, Cortlandville Fire District
  - 2.) Name of Subdivider: Town of Cortlandville  
Address: 3577 Terrace Road, Cortland, NY 13045
  - 3.) Property address of Subdivided land: 3577 Terrace Road, Cortland, NY 13045  
Tax Map Parcel # 96.09-02-03.000
  - 4.) Mortgage, liens, and encumbrances: None.
- 
- 5.) A Final Plat layout is hereby attached for approval, showing proposed public streets and other information as required on, and with the Final Plat.
- 6.) Is this subdivision subject to General Municipal Law approval? No.

The undersigned hereby applies for approval of said subdivision and covenants and agrees with the Town of Cortlandville upon approval of said Final Plat and subsequent Subdivision Plat to install such utilities as are required and to complete the streets as finally approved or in lieu of this to post a performance bond as set forth and provided in the "Requirements for Approval of Subdivision Plans in the Town of Cortlandville".

Signature \_\_\_\_\_



# Short Environmental Assessment Form

## Part 1 - Project Information

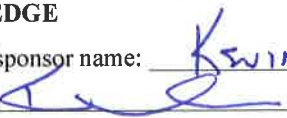
### Instructions for Completing

**Part 1 - Project Information.** The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

<b>Part 1 - Project and Sponsor Information</b>			
Name of Action or Project: Live Fire Training/Educational Facility			
Project Location (describe, and attach a location map): 999 State Route 13, Cortland, NY 13045			
Brief Description of Proposed Action: See attached Scope of Project.			
Name of Applicant or Sponsor: Cortlandville Fire District		Telephone: (607) 423-2073	
		E-Mail: whitney178@hotmail.com	
Address: 999 State Route 13			
City/PO: Cortland		State: NY	Zip Code: 13045
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval: Funding provided by NYS Assembly (Assemblywoman Barbara Lifton) and NYS Senate (Senator James Seward)			NO <input type="checkbox"/>
			YES <input checked="" type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		_____ 1.5 acres	
b. Total acreage to be physically disturbed?		_____ .75 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		_____ 4.38 acres	
4. Check all land uses that occur on, adjoining and near the proposed action.			
<input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban)			
<input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input checked="" type="checkbox"/> Other (specify): <u>Local Government</u>			
<input type="checkbox"/> Parkland			

5. Is the proposed action, a. A permitted use under the zoning regulations?	NO	YES	N/A
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	NO	YES	N/A
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Are public transportation service(s) available at or near the site of the proposed action?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: <u>Meets but does not exceed the state energy code requirements.</u>	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply?  If No, describe method for providing potable water: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities?  If No, describe method for providing wastewater treatment: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Is the proposed action located in an archeological sensitive area?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input type="checkbox"/> Wetland <input type="checkbox"/> Urban <input type="checkbox"/> Suburban <input checked="" type="checkbox"/> Grass Lawn			
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16. Is the project site located in the 100 year flood plain?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? <input type="checkbox"/> NO <input type="checkbox"/> YES  b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: <input type="checkbox"/> NO <input type="checkbox"/> YES _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<p>18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)?</p> <p>If Yes, explain purpose and size: _____</p> <p>_____</p> <p>_____</p>	<p><b>NO</b></p> <p><input checked="" type="checkbox"/></p>	<p><b>YES</b></p> <p><input type="checkbox"/></p>
<p>19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?</p> <p>If Yes, describe: _____</p> <p>_____</p> <p>_____</p>	<p><b>NO</b></p> <p><input checked="" type="checkbox"/></p>	<p><b>YES</b></p> <p><input type="checkbox"/></p>
<p>20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?</p> <p>If Yes, describe: _____</p> <p>_____</p> <p>_____</p>	<p><b>NO</b></p> <p><input checked="" type="checkbox"/></p>	<p><b>YES</b></p> <p><input type="checkbox"/></p>
<p><b>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b></p> <p>Applicant/sponsor name: <u>KEVIN WHITNEY</u> Date: <u>March 16, 2018</u></p> <p>Signature: <u></u></p>		

Project:

Date:

**Short Environmental Assessment Form  
Part 2 - Impact Assessment**

**Part 2 is to be completed by the Lead Agency.**

Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"


	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Will the proposed action result in a change in the use or intensity of use of land?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Will the proposed action impair the character or quality of the existing community?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Will the proposed action impact existing:		
a. public / private water supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. public / private wastewater treatment utilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Will the proposed action create a hazard to environmental resources or human health?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Project: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Short Environmental Assessment Form  
 Part 3 Determination of Significance**

For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

Not Applicable.

<input type="checkbox"/>	Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.
<input checked="" type="checkbox"/>	Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.
Cortlandville Fire District	March 16, 2018
Name of Lead Agency	Date
Kevin Whitney	Chairman, Board of Fire Commissioners
Print or Type Name of Responsible Officer in Lead Agency	Title of Responsible Officer
	
Signature of Responsible Officer in Lead Agency	Signature of Preparer (if different from Responsible Officer)

3/16/18

Minutes of the Cortlandville Fire District Board of Fire Commissioners held Friday, March 16, 2018. Meeting called to order at 7:45 a.m. by Chairman Kevin Whitney.

COMMISSIONERS PRESENT: James Dugan, Paul Alteri, Anthony Cincotta and Larry Biviano.

ALSO PRESENT: Chief Jared Gebel, Deputy Chief Gere Henry, Assistant Chief Brian Pendell and Secretary Courtney Metcalf.

## NEW BUSINESS

On a motion made by Mr. Dugan, seconded by Mr. Biviano

WHEREAS, the District holds training of firefighters of utmost importance, AND

WHEREAS, the District recognizes the need for a live fire training facility in Cortland County:

NOW, THEREFORE BE IT RESOLVED by this Board of Fire Commissioners as follows:

The Cortlandville Fire District shall begin the process to construct a live fire training facility, on District property, at 999 State Route 13, Cortland, NY 13045.

All in favor, motion carried.

On a motion made by Mr. Biviano, seconded by Mr. Alteri

WHEREAS, the District has resolved to begin the process to construct a live fire training facility, on District property at 999 State Route 13, Cortland, NY 13045, AND

WHEREAS, the first step in the construction process is to submit permit applications for consideration by the Town of Cortlandville Planning Board;

NOW THEREFORE BE IT RESOLVED by this Board of Fire Commissioners as follows:

The Chairman, Kevin Whitney, of the Board of Fire Commissioners shall file all necessary permits with the Town of Cortlandville Planning Board for consideration on behalf of the Fire District for a live fire training facility.

All in favor, motion carried.



On a motion made by Mr. Cincotta, seconded by Mr. Alteri :

WHEREAS, the Cortlandville Fire District, New York (the "District"), is a local agency pursuant to the New York State Environmental Quality Review Act ("SEQRA"), ECL Section 8-0101, et seq., and implementing regulations, 6 NYCRR Part 617 (the "Regulations"); and

WHEREAS, the District is considering the construction of a live fire training facility, on District property at 999 State Route 13, Cortland, NY 13045, Tax Map Lot # 96.09-02-05.00 (the "Project"); and

WHEREAS, a short form Environmental Assessment Form ("EAF"), dated March 16, 2018, a copy of which is attached hereto as Exhibit A, was prepared by the District to facilitate a review of the potential environmental impacts of the Project; and

WHEREAS, the District's Administration has reviewed the scope of the Project and has advised the District that the Project constitutes a Type II Action as that term is defined in Part 617.5(c)(7) of the Regulations, "construction of expansion of a primary or accessory/appurtenant, non-residential structure or facility involving less than 4,000 square feet of gross floor area and not involving a change in zoning or a use variance and consistent with local land use controls, but not radio communication or microwave transmission facilities"; and

WHEREAS, the Board of Fire Commissioners of the District has carefully considered the nature and scope of the Project as set forth in the EAF, has carefully reviewed the classifications of actions contained in the Regulations together with the recommendations provided by the District's Administration; and

BE IT RESOLVED by this Board of Fire Commissioners, as follows:

Section 1. The District hereby determines that the Project constitutes a Type II Action pursuant to Part 617.5(c)(2) and (8) of the Regulations and as such is not subject to review under SEQRA.

Section 2. This Resolution shall take effect immediately.

All in favor, motion carried.

On a motion made by Mr. Dugan, seconded by Mr. Cincotta to adjourn the meeting at 8:00 a.m. All in favor, motion carried.

Respectfully Submitted,

  
Courtney L. Metcalf  
District Secretary

State Environmental Quality Review  
Negative Declaration  
Notice of Determination of Significance

Date: March 16, 2018

This notice is issued pursuant to Part 617 of the implementing regulations pertaining to Article 8 (State Environmental Quality Review Act - SEQRA) of the Environmental Conservation Law.

The Cortlandville Fire District as lead agency, has determined that the proposed action described below will not have a significant environmental impact and a Draft Environmental Impact Statement will not be prepared.

Name of Action: Construction of a live fire training and education facility at 999 New York State Route 13, Tax Map Lot # 96.09-02-05.00, Town of Cortlandville, Cortland County, New York.

SEQR Status:	Type 1	<input type="checkbox"/>
	Type 2	<input checked="" type="checkbox"/>
	Unlisted	

Positive Declaration	<input type="checkbox"/>
Negative Declaration	<input checked="" type="checkbox"/>
Conditioned Negative Declaration	<input type="checkbox"/>

Description of Action:

The action involves the construction of a live fire training and education facility on land known as 999 New York State Route 13, Tax Map Lot # 96.09-02-05.000, Town of Cortlandville, Cortland County, New York. The action is consistent with the predominant character of the existing built landscape and will not change the use or intensity of use of the land.

Location:

999 New York State Route 13, Town of Cortlandville, Cortland County, New York

**Reasons Supporting This Determination:**

(see 617.5(c)(7) for requirements of this determination)

The Cortlandville Fire District Board of Fire Commissioners has reviewed the project using the criteria provided in § 617.5 of the SEQRA and has declared this action an Type II Action because the Action does not satisfy any of the following Type 1 criteria:

- (1) the adoption of a municipality's land use plan, the adoption by any agency of a comprehensive resource management plan or the initial adoption of a municipality's comprehensive zoning regulations;
- (2) the adoption of changes in the allowable uses within any zoning district, affecting 25 or more acres of the district;
- (3) the granting of a zoning change, at the request of an applicant, for an action that meets or exceeds one or more of the thresholds given elsewhere in this list;
- (4) the acquisition, sale, lease, annexation or other transfer of 100 or more contiguous acres of land by a state or local agency;
- (5) construction of new residential units that meet or exceed the following thresholds;
  - (i) 10 units in municipalities that have not adopted zoning or subdivision regulations;
  - (ii) 50 units not to be connected (at the commencement of habitation) to existing community or public water and sewage systems including sewage treatment works;
  - (iii) in a city, town or village having a population of less than 150,000, 250 units to be connected (at the commencement of habitation) to existing community or public water and sewerage systems including sewage Treatment works;
  - (iv) in a city, town or village having a population of greater than 150,000 but less than 1,000,000, 1,000 units to be connected (at the commencement of habitation) to existing community or public water and sewerage systems including sewage treatment works; or

- (v) in a city or town having a population of greater than 1,000,000, 2,500 units to be connected (at the commencement of habitation) to existing community or public water and sewerage systems including sewage treatment works;
- (6) activities, other than the construction of residential facilities, that meet or exceed any of the following thresholds; or the expansion of existing nonresidential facilities by more than 50 percent of any of the following thresholds:
- (i) a project or action that involves the physical alteration of 10 acres;
  - (ii) a project or action that would use ground or surface water in excess of 2,000,000 gallons per day;
  - (iii) parking for 1,000 vehicles;
  - (iv) in a city, town or village having a population of 150,000 persons or less, a facility with more than 100,000 square feet of gross floor area;
  - (v) in a city, town or village having a population of more than 150,000 persons, a facility with more than 240,000 square feet of gross floor area;
- (7) any structure exceeding 100 feet above original ground level in a locality without any zoning regulation pertaining to height;
- (8) any Unlisted action that includes a nonagricultural use occurring wholly or partially within an agricultural district (certified pursuant to Agriculture and Markets Law, article 25-AA, sections 303 and 304) and exceeds 25 percent of any threshold established in this section;
- (9) any Unlisted action (unless the action is designed for the preservation of the facility or site) occurring wholly or partially within, or substantially contiguous to, any historic building, structure, facility, site or district or prehistoric site that is listed on the National Register of Historic Places, or that has been proposed by the New York State Board on Historic Preservation for a recommendation to the State Historic Preservation Officer for nomination for inclusion in the National Register, or that is listed on the State Register of Historic Places (The National Register of Historic Places is established by 36 Code of Federal Regulation (CFR) Parts 60 and 63, 1994 (see section 617.17 of this Part));
- (10) any Unlisted action, that exceeds 25 percent of any threshold in this section, occurring wholly or partially within or substantially contiguous to any publicly owned or operated parkland, recreation area or designated open space, including any site on the Register of National Natural Landmarks pursuant to 36 CFR Part 62, 1994 (see section 617.17 of this Part); or

The Cortlandville Fire District Board of Fire Commissioners has reviewed the project using criteria provided in §617.5 of the SEQRA and has determined that this action is a Negative Declaration for the following primary reasons:

- (i) there will be no substantial adverse change in existing air quality, ground or surface water quality or quantity, traffic or noise levels; a substantial increase in solid waste production; a substantial increase in potential for erosion, flooding, leaching or drainage problems;
- (ii) there will be no removal or destruction of large quantities of vegetation or fauna; substantial interference with the movement of any resident or migratory fish or wildlife species; impacts on a significant habitat area; substantial adverse impacts on a threatened or endangered species of animal or plant, or the habitat of such a species; or other significant adverse impacts to natural resources;
- (iii) there will be no impairment of the environmental characteristics of a Critical Environmental Area as designated pursuant to subdivision 617.14(g) of this Part;
- (iv) there will be no creation of a material conflict with a community's current plans or goals as officially approved or adopted;
- (v) there will be no impairment of the character or quality of important historical, archeological, architectural, or aesthetic resources or of existing community or neighborhood character;
- (vi) there will be no major change in the use of either the quantity or type of energy;
- (vii) there will be no creation of a hazard to human health;
- (viii) there will be no substantial change in the use, or intensity of use, of land including agricultural, open space or recreational resources, or in its capacity to support existing uses;
- (ix) there will be no encouraging or attracting of a large number of people to a place or places for more than a few days, compared to the number of people who would come to such place absent the action;
- (x) there will be no creation of a unilateral demand for other actions that would result in one of the above consequences;

(xi) there will be no changes in two or more elements of the environment, no one of which has a significant impact on the environment, but when considered together result in a substantial adverse impact on the environment; or

(xii) this action, is not related to two or more related actions undertaken, funded or approved by an agency, none of which has or would have a significant impact on the environment, but when considered cumulatively would meet one or more

For Further Information Contact:

Courtney L. Metcalf  
District Secretary, Cortlandville Fire District  
999 State Route 13  
Cortland, NY 13045  
(607) 753-9014

Or

Kevin Whitney  
Chairman, Board of Fire Commission  
Cortlandville Fire District  
999 State Route 13  
Cortland, NY 13045  
(607) 423-2073



**NOTICE**

Prior to construction of any buildings on the lots shown hereon, water and sewage permits must be obtained from the Cortland County Health Department.

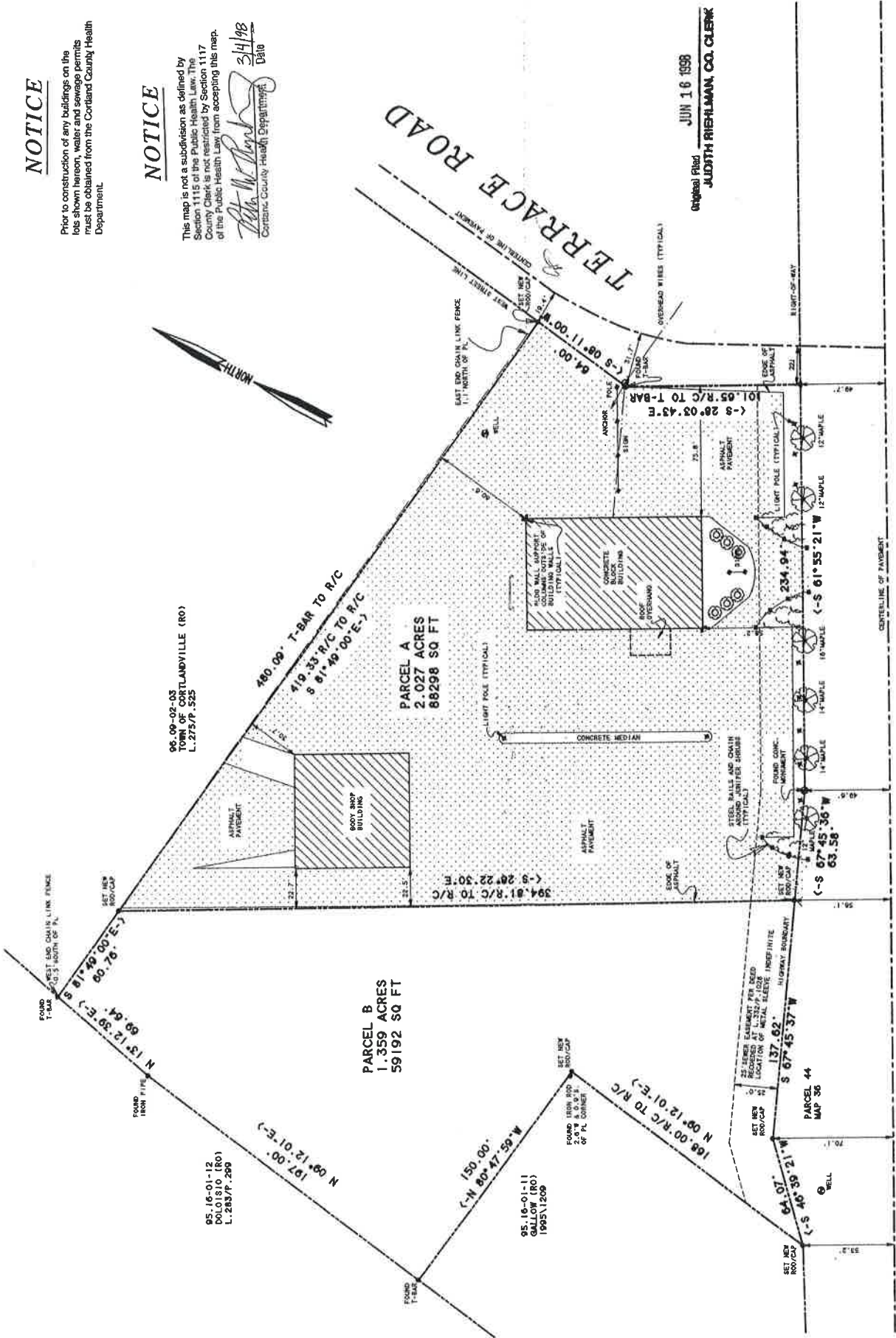
**NOTICE**

This map is not a subdivision as defined by Section 1115 of the Public Health Law. The County Clerk is not restricted by Section 1117 of the Public Health Law from accepting this map.

*John W. Park*  
 3/4/98  
 Date  
 Cortland County Health Department

JUN 16 1998

Original Filed  
**JUDITH RIEHLMAN, CO. CLERK**



**N.Y.S. ROUTE 13**

CHAIRMAN CORTLANDVILLE  
 PLANNING BOARD

*John W. Park*  
 2/26/98

00 00 00 00 00

CORTLAND COUNTY  
 CLERK'S OFFICE  
 FILED FOR RECORD

LAWS OF CORTLAND SAVINGS BANK

REC'D INDEXED  
 FILE NO. 97205  
 STOCKWIN SURVEYING  
 JAMES ST. HOMER NY 13077  
 PHONE: 607-740-5563

PATENT SEAL

22 JANUARY 1998

STALET

TOMPKINS

48.5

36.8

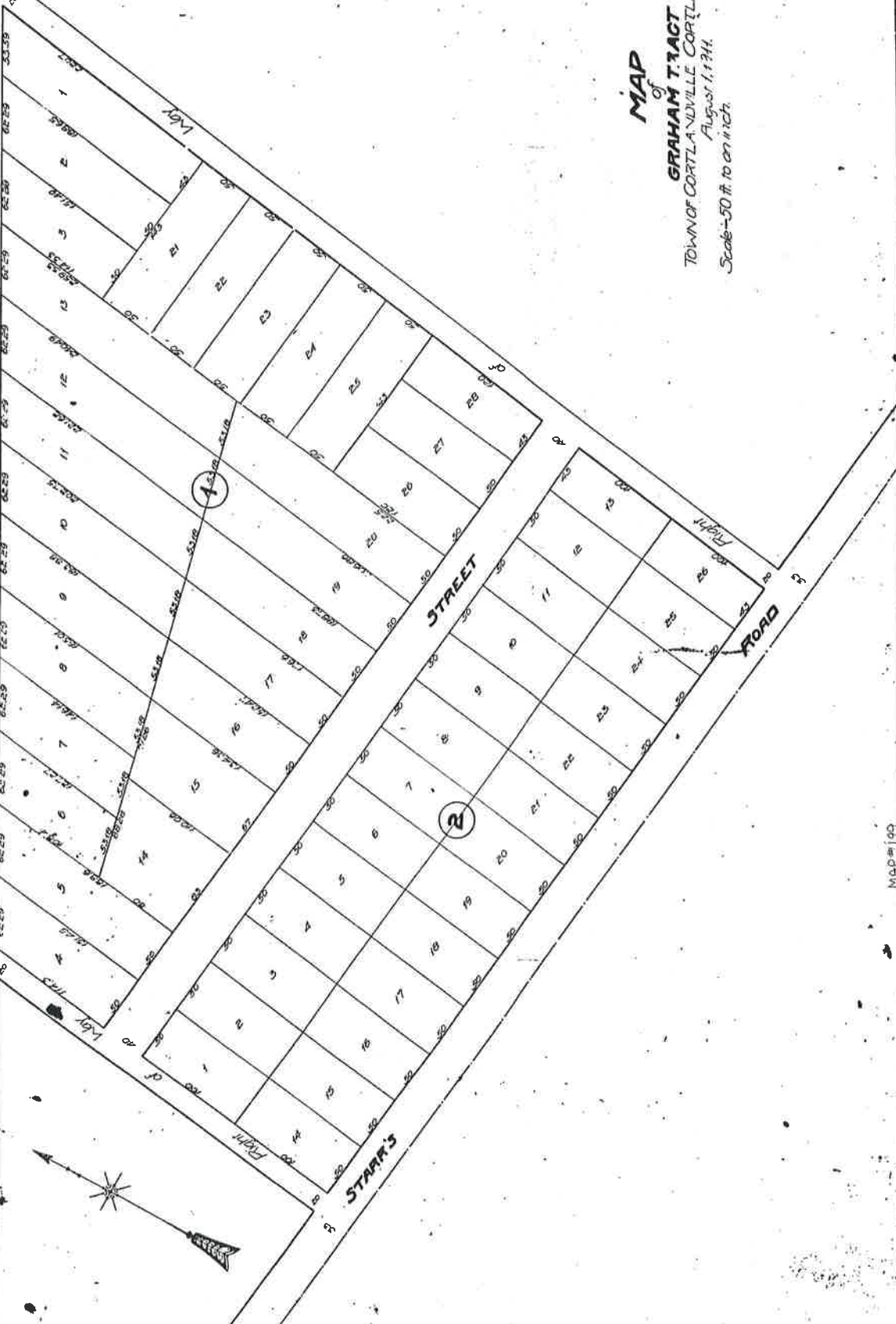
33.38

30.0

26.6

23.2

19.8



**MAP**

of  
**GRAHAM TRACT**  
TOWN OF CORTLANDVILLE, CORTLAND COUNTY, N.Y.

August 1, 1924.

D.B. Coleman,  
Engineer.

Scale—50 ft. to an inch.

Map 199



McLEAN

660.29'

ROAD

TERRACE

ROAD

ROUTE 281)

TOWN OF CORTLANDVILLE

TOWN OF CORTLANDVILLE  
FIRE DISTRICT

(STATE ROUTE 13)

STREET

EXT.

CREEK



01  
94.63'  
102  
103'

02  
78  
97.12'  
78.51'

13  
133'

12  
133'

20  
132'

11  
136'

10  
136.22'

09  
136.13'

08  
136'

07  
136'

11  
1.96A

21  
142.03'

24  
3.79A

22  
158.12'

23  
417.39'

488.53'

03  
7.1A(C)

05  
3.38A

01  
245.1'

80.07'

101.65'

500.21'

15  
7.51A

13  
151A

12  
1.0A(C)

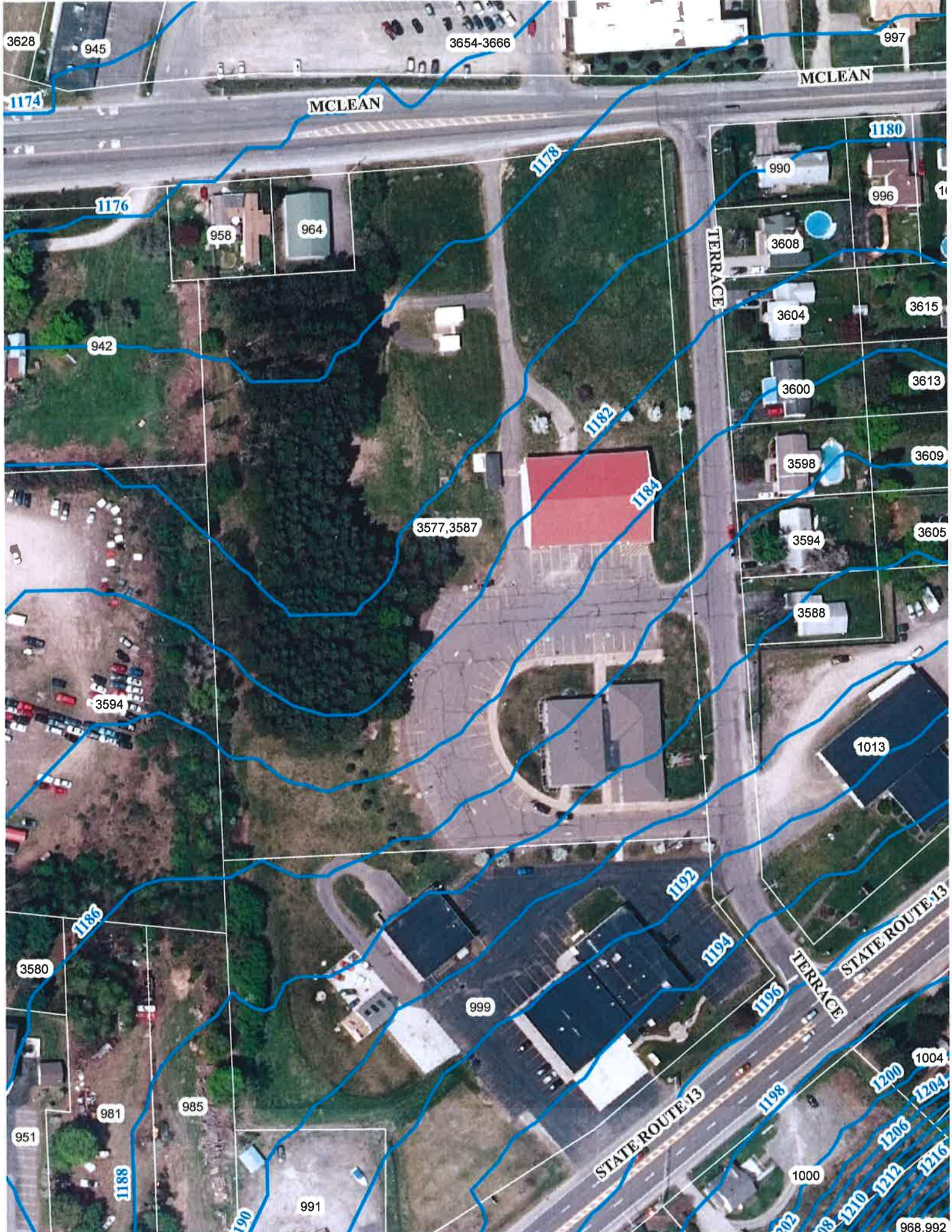
11  
1.32A

02.12









3628 945 3654-3666 997  
1174 MCLEAN 1178 1180  
1176 958 964 990 996  
942 3608 3615  
3577,3587 1182 1184 3604 3600 3613  
3594 3598 3609  
3594 3605  
3588 1013  
1186 3580 1192 1194 1196 1198 1004  
999 1190 1200 1204  
981 985 1206 1212 1216  
951 1188 1190 991 1000 968,992



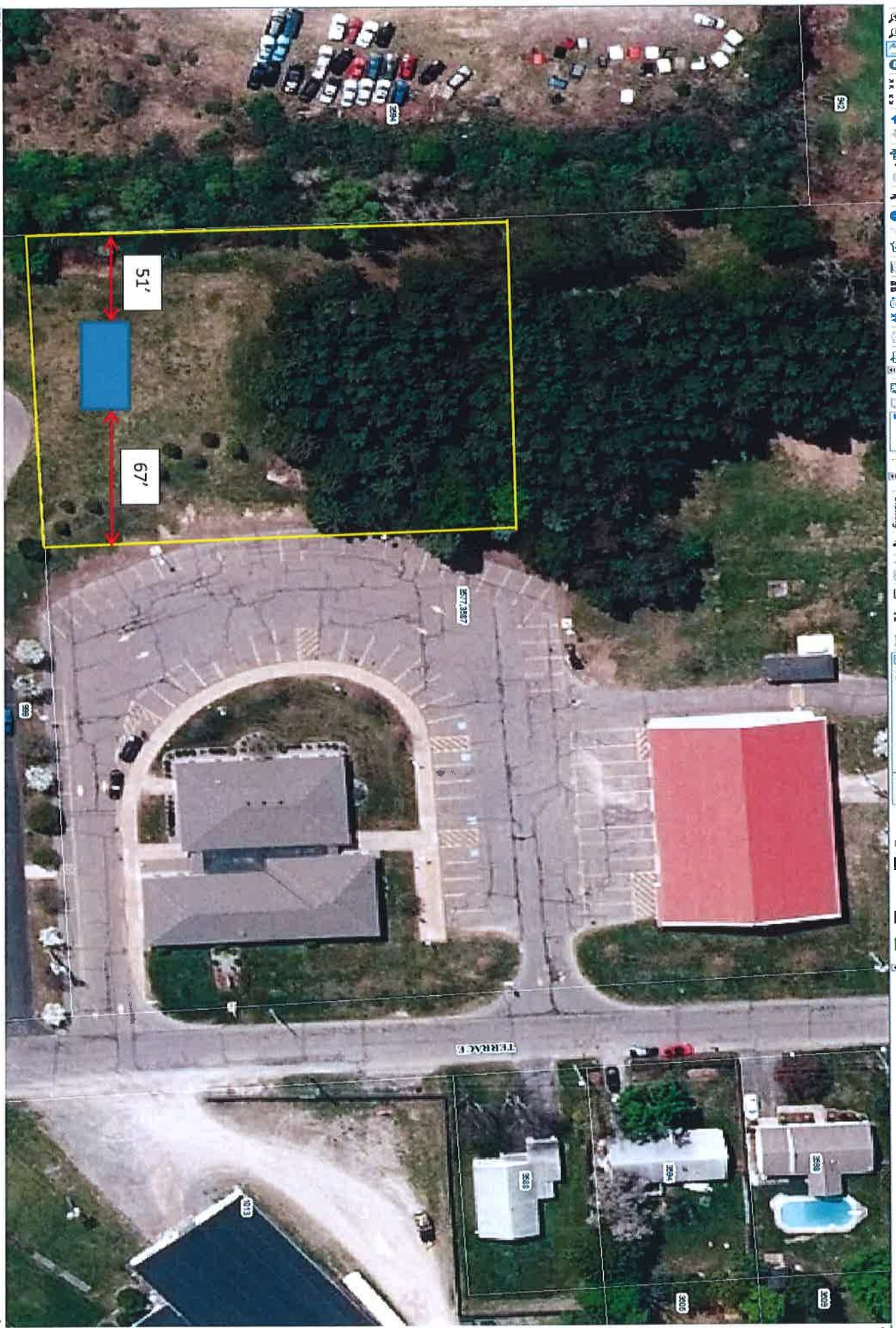
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:500

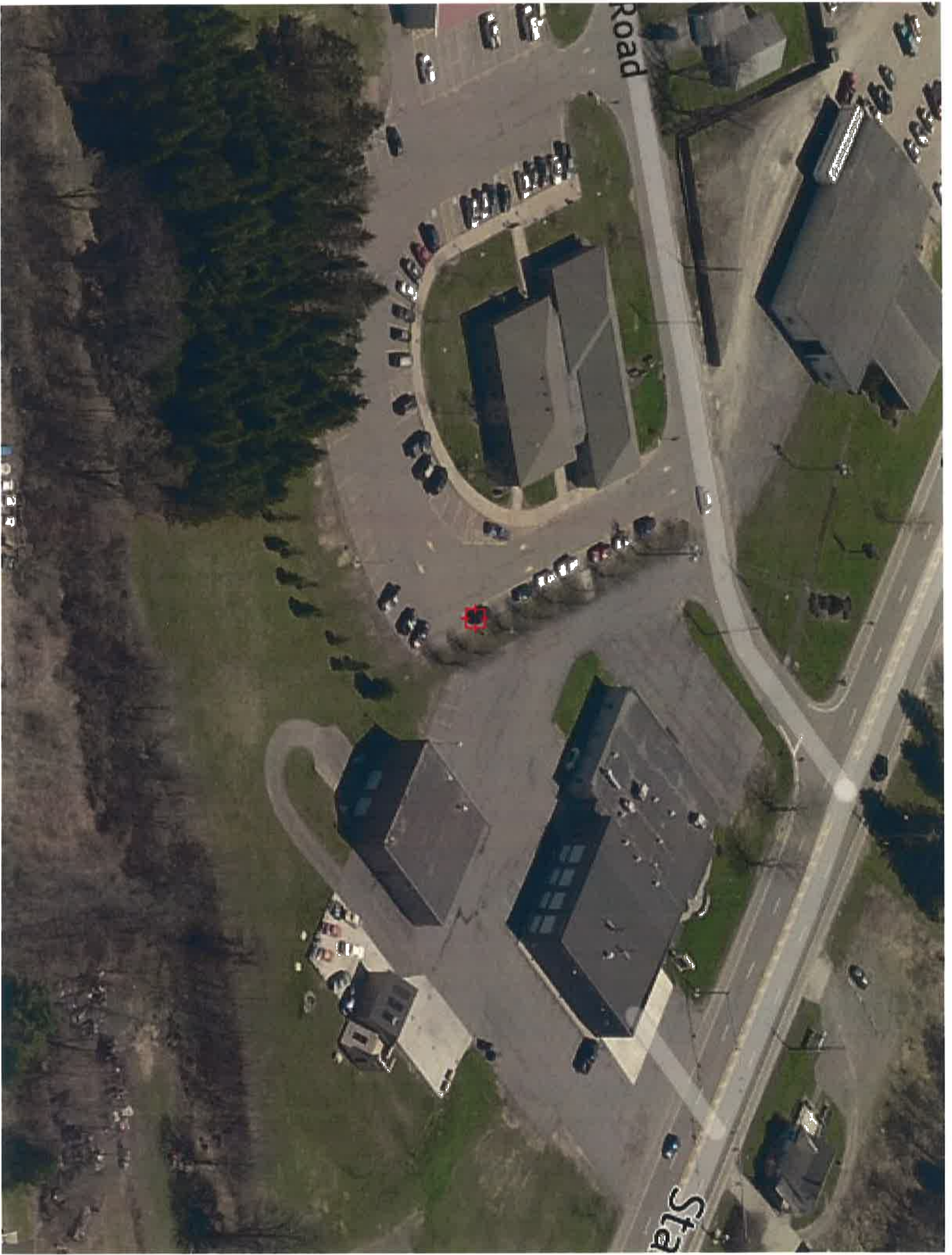
Editor Drawing

10 B I U A

Search







## 4-Story Class "A" Building Example





# Fireblast® Building Advantage

## Product Summary

### Systems Features:

- Low maintenance and High durability
- 100% non-combustible materials
- Composite concrete floors and walls
- Low heat transfer materials
- Low sound transfer
- No floor to floor water or smoke migration
- Flexible design
- High wall point load
- Reduced foundation costs
- Reduced super structure costs
- Reduced installation time
- Earth Quake, Blast and Hurricane resistant
- No restrictions on placement of doors and windows
- Building construction style can be used for new construction, remodel of existing or damaged buildings



## **Thermablast™ Thermal Lining System**



The **Thermablast™** Thermal Lining System is equipped with a hardboard that was developed for rugged environments. Its improved characteristics include higher strength, which equates to better durability, and greater toughness for more resistance to physical abuse. **Thermablast™** also has significantly reduced shrinkage, so it is an extremely low shrinkage board at elevated temperatures.

Panels are available in a variety of sizes for different applications and are standardly delivered in dimensions of 2ft x 2ft. The reduced panel size reduces the expansion and contract of the material which maximizes the life span of the product.

### **Thermablast™ Advantages**

- Reduced panel dimension/reduced expansion and contraction
- High durability
- Compatible with all steel, and concrete
- Approved for Class A and Class B fire props
- No restrictions on placement of fires within room
- Non reflective for Thermal imaging training
- Use for new construction or existing facilities
- No "drying out period" required between uses
- No environmental impact (calcium silicate product)
- Easy panel replacement
- Does not support mold growth and is water resistive
- Low Maintenance
- Cold Face temperature @1000°F is 107°F (@ 537°C is 42°C)
- Cold Face temperature @1500°F is 125°F (@ 816°C is 52°C)
- Density of 65 lbs./cuft
- Weight of system 10 lbs./sf
- **50 Year proven track record of performance**



**Example of completely involved burn room**

**Thermablast™** is a complete thermal lining system comprised of a strong, machine able, non-asbestos inorganic calcium silicate board insulation mounted to an integrated framing system that provides an air gap for added thermal reduction to live fire burn rooms. The boards design allows for direct flame impingement and can be used in applications reaching 2000°F (1093°C).

Made of fibers, micro silica and a hydrothermally-produced inorganic binder, they are ideal materials for burn room protection in live fire training conditions

Manufactured for greater life and improved machining characteristics. High heat treatment removes excess water, and minimizes shrinkage that would normally occur in service.

The **Thermablast™** lining system provides the reliability and quality needed in your active live fire training environments. This panel has outstanding performance and continues to be synonymous with over 50 years of service.

### **Installation**

Thermal insulating panels and attachment materials are designed to be provided for the interior walls, ceiling, doors, and windows of the burn rooms as specified. Panels will be supported utilizing hot dipped galvanized hat channels mounted on 24" centers for ceilings and walls with door and window panels mechanically attached as required utilizing stainless steel fasteners.

Panels will be pre-cut to size and shall be 1" thick. Field modification cut will be performed as necessary to fully protect structural components. Panels include a pre-treatment to resist thermal shock and be water resistant/repellent. Panels rated for live fires in temperature ranges up to 2000-degree F. Seams and joints will include a 1" thick batten of the same material. The insulating panels and battens will be attached to the hat channel system allowing for expansion and contraction. The fasteners of the face panels shall be adjusted to allow for movement of the panel during the heat-cool cycle.

### **Specifications**

The **Thermablast™** Thermal Lining System will provide protection for burn room walls, ceiling, window and doors of concrete and steel training facilities from damage due to enclosed fires. Insulating material shall be a heat treated with a minimum of: 1" thick, 65 PCF density, 3000 psi compressive strength, possess a "K" factor of 1.92 or less at a mean temperature of 800 degrees F., and be capable of continuous service at temperature ranges to 2000 degrees F. Sub frame and wall framing system shall promote air flow behind panel to increase the thermal barrier protecting the structure.

System shall withstand repeated exposure to heat and the application of water to heated surfaces without the breakdown of insulating properties. Insulating materials shall not require "drying out" periods following the application of water nor be subject to "spalling" due to heat/moisture conditions. There shall be no restrictions placed upon use due to atmospheric conditions, ambient temperatures, Class A or B fuel source, the fire location within the room or any requirement of "special" precautions prior to ignition.

### **Properties Table**

Density	65 lb/sf – (1041 kg/m3)
Insulating Media	Calcium Silicate
Panel Dimensions	2ft x 2ft
Panel Thickness	1 in
Sub-Framing System	Hot dipped galvanized channel
Max Operating Temperature	2000°F (1093°C).
Weight of System	10 lb./sf
Flexural Strength	1400 psi
Compressive Strength	3000 psi
Cold Face Temp @1000°F- HF	107°F - (@ 537°C is 42°C)
Cold Face Temp @1500°F- HF	125°F - (@ 816°C is 52°C)
Air Gap (Steel Building)	7 in
Air Gap (Concrete Building)	4 in
Water Resistance	Yes
Thermal Conductivity @800°F	1.92
Thermal Image Quality	Good
Thermal Reaction	Normal

*\*A full set of engineered prepared installation drawings will be provided and submitted for approval, which clearly shows the panel layout, sub-framing system and attachment layout.*



## **Firetrac™ Temperature Monitoring System**

### **Specification Overview**

#### **General Information**

##### **Description**

This is an overview of specifications for a multi-channel temperature monitoring system designed to track varied thermal energy within a live fire burn space. The system utilizes a Programmable Logic Controller (PLC) and a Human Machine Interface Touch Panel (TP) to monitor and record the variations of the interior space throughout the burn cycle.

**Firetrac™** provides constant temperature monitoring whenever power is supplied to the system. Temperature sensors may be located at various levels above the floor and initiate an audible alarm at predetermined temperature levels set within the PLC program.

All event data is stored in the hard drive of the operating system. The information can be viewed via the TP at any time, by selecting the appropriate icon on the Windows® based operational screen. Additionally a compact flashcard card provides retrieval capabilities of the data.

Recorded information is logged by date, time, and temperature level. Each event log is designated by a file number and is retrievable in a CSV file format. System capabilities integrate the data tracking, within the industrial operating system, and does not require the use of additional external equipment for data removal, viewing or storage.

**Firetrac™** is available in variety of configurations that include 8, 16 and 24 channel receivers. The system has interface connect ability which allows for multi-unit connection for large facility requirements.

#### **Systems/Equipment**

##### **Firetrac™ 800**

One (1) - 8 Channel receiver  
Up to eight (8) –Type K temperature probes

##### **Firetrac™ 1600**

One (1) - 16 Channel receiver  
Up to sixteen (16) –Type K temperature probes

##### **Firetrac™ 2400**

One (1) - 24 Channel receiver  
Up to twenty four (24) –Type K temperature probes

**\*\*Temp probe type K – Multiple wire lead lengths available up to 150ft**

#### **Warranty**

One (1) – Year equipment  
*\*Subject to Fireblast Global terms and conditions*

#### **Inclusion**

System components and installation instructions

# REGIONAL TRAINING CENTER



DRAWING NOTES

APP'D  
SHEET FOR

MEYERS CAD DESIGN  
jake@meyerscad.com  
717-658-9655 - 931-292-9655

**Code Compliance**  
Due to the intended use of this facility, non-combustible fire training, it is not intended for use as a residential or commercial structure. The facility will meet UL, NFPA and OSHA applicable codes, standards and recommendations for this type of facility where required. Local codes may require the simulator to have a variety of features unique to its application.

- a. NFPA 54
- b. NFPA 56
- c. NFPA 72
- d. NFPA 77
- e. NFPA 86
- f. NFPA 99
- g. NFPA 1070
- h. ANSI Z21 & 83
- i. NFPA 1070 682D
- j. NFPA 1070 682D
- k. OSHA 29 CFR 1910
- l. ASTM A-123
- m. NFPA 1001
- n. NFPA 1002
- o. NFPA 1500

Additionally, Fireblast training structures are designed to be compliant and meet criteria for training as specified in the following NFPA manuals:

- a. NFPA 1001
- b. NFPA 1002
- c. NFPA 1500

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
C1	COVER	S01-S05	NOTES AND TABLES
A1	GROUND LEVEL FLOOR PLAN	S1	FOUNDATION PLAN
A2	2ND LEVEL FLOOR PLAN	S1.1	FOUNDATION VERTICAL LOAD PLAN
A3	3RD LEVEL FLOOR PLAN	S1.2	LATERAL LOADING PLAN
A4	ELEVATIONS	S2	GROUND LEVEL COLUMN / 2 LEVEL FRAMING PLAN
A5	ELEVATIONS	S3	3RD LEVEL FRAMING PLAN
A6	BUILDING SECTION	S4	ROOF FRAMING PLAN
A7	BUILDING SECTION	S5-S10	STRUCTURAL DETAILS
A8	DETAILS	S11-S12	STRUCTURAL STAIR PLANS
		S13-S14	STRUCTURAL STAIR DETAILS

TRAINING CENTER

C1

PAGE #  
12/20/17  
DATE  
COPYRIGHT ©  
MEYERS DESIGN

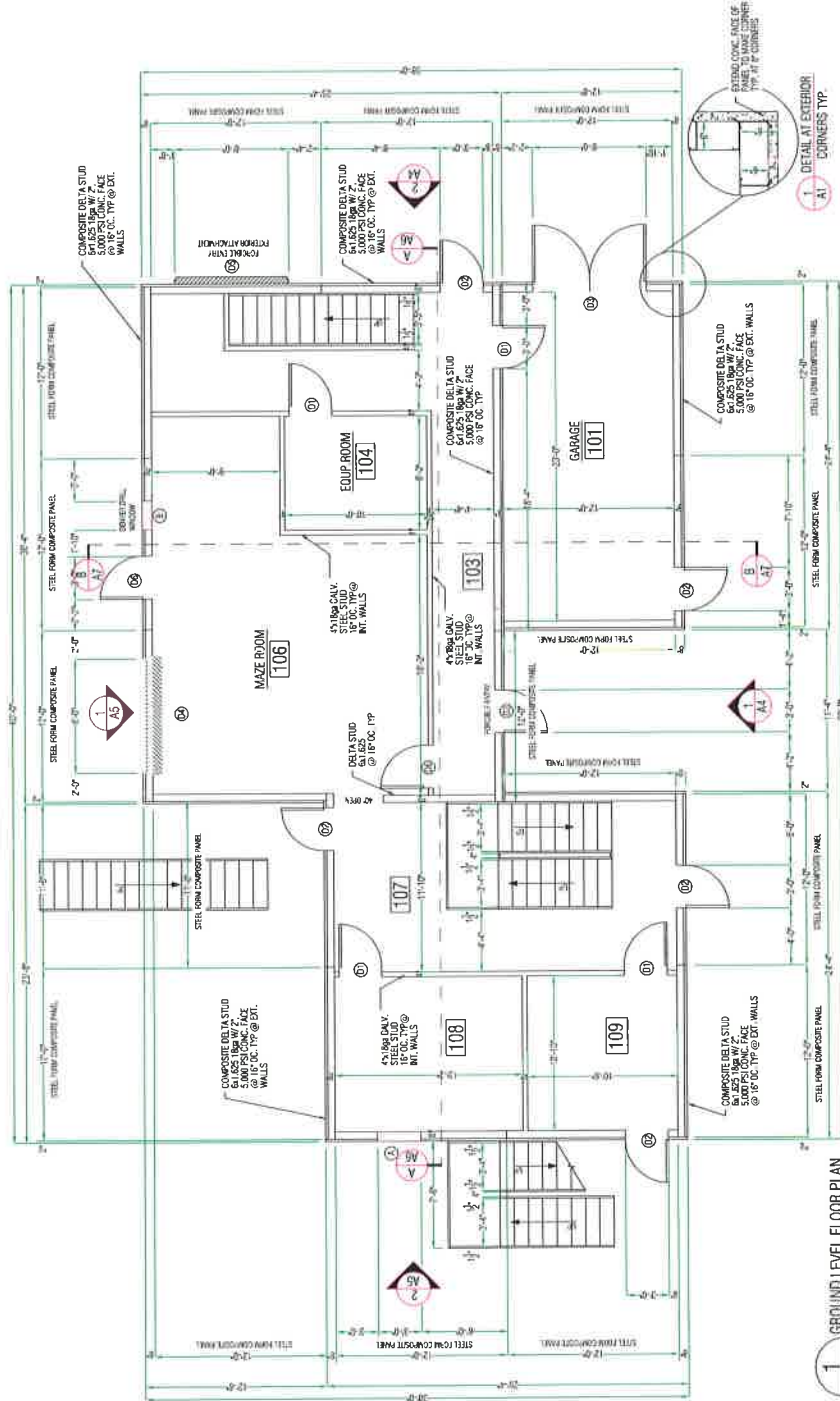


DOOR AND WINDOW SCHEDULE

MARK	QUN	TYPE	R.O.	SIZE	ARCH #	HARDWARE PAT.#	FINISH	HARDWARE PAT.#	FINISH
(A)	1	WINDOW	40" X 40"	3/0 X 3/0	14D	CAL-ROYAL BB31	32D	AL-SCHLAGE SATURN	626
(B)	1	WINDOW	28" X 40"	2/0 X 3/0		CAL-ROYAL BB31	32D	ARLSTRK 62 / ARL1338 / PUL201	26D/82D
(D1)	4	INTERIOR DOOR	40" X 86"	3/0 X 7/0	2 RA-2	CAL-ROYAL BB31	32D	SCHLAGE AL10	626
(D2)	5	EXTERIOR DOOR	40" X 86"	3/0 X 7/0	2 RA-1	CAL-ROYAL BB31	32D	SCHLAGE SATURN	626
(D3)	1	DOUBLE SWING DOOR	100" X 86"	8/0 X 7/0	4S	CAL-ROYAL BB31 MANUAL FLUSH BOLT ULFB	32D	SCHLAGE SATURN	626
(D4)	1	OVERHEAD DCOR	100" X 100"	8/0 X 8/0					
(D5)	1	FORCIBLE EXTERIOR DOOR	N/A	8/0 X 7/0					
(D6)	2	BURN RM DOOR	40" X 86"	3/0 X 7/0	4	CAL-ROYAL BB31	32D	ARLSTRK 62 / ARL1338 / PUL201	26D/82D

GROUND LEVEL - SQUARE FOOTAGE & DETAILS

ROOM #	SQUARE FOOTAGE	FLOORING	INTERIOR WALL COVERING	CEILING COVERINGS	NOTES
101	276 SQ. FT.	CONCRETE	THERMAL PANEL LINER	THERMAL PANEL LINER	
102	155 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
103	151 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
104	80 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
105	N/A	N/A	N/A	N/A	
106	415 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
107	284 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
108	148 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
109	110 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	



1 GROUND LEVEL FLOOR PLAN  
SCALE 1/8" = 1'-0"

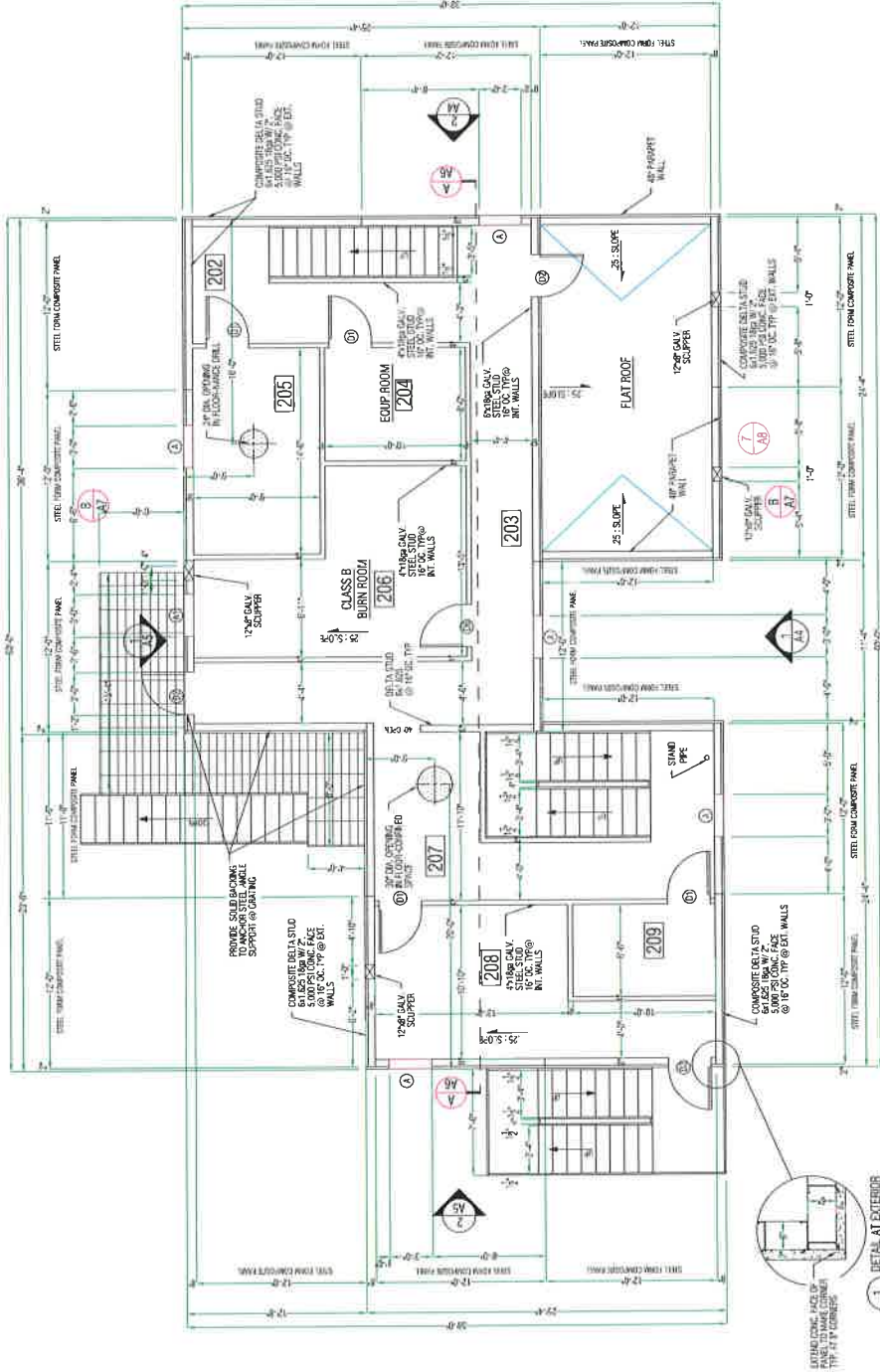


DOOR AND WINDOW SCHEDULE

MARK	QUN.	TYPE	R.O.	SIZE	ARCH #	HARDWARE PAT.#	FINISH	HARDWARE PAT.#	FINISH
(A)	5	WINDOW	40" X 40"	30 X 30	1AD	CAL-ROYAL BB31	32D	CAL-ROYAL BB31	32D
(A1)	1	WINDOW	40" X 40"	30 X 30	1AD	CAL-ROYAL BB31	32D	CAL-ROYAL BB31	32D
(D1)	4	INTERIOR DOOR	40" X 86"	2 PA-2	2 PA-2	CAL-ROYAL BB31	32D	SCHLAGE AL10	62S
(D2)	3	EXTERIOR DOOR	40" X 86"	2 PA-1	2 PA-1	CAL-ROYAL BB31	32D	SCHLAGE SATURN	62S
(D6)	1	BURR DM DOOR	40" X 85"	30 X 70	4	CAL-ROYAL BB31	32D	ARLSTRK 62 / ARL1336 / PUL201	26D/32D

SECOND LEVEL - SQUARE FOOTAGE & DETAILS

ROOM #	SQUARE FOOTAGE	FLOORING	INTERIOR WALL COVERING	CEILING COVERINGS	NOTES
202	156 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
203	236 SQ. FT.	CONCRETE	THERMAL PANEL LINER / 18 GA. STEEL SHEETING	THERMAL PANEL LINER / DOWN WALLS	
204	80 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
205	121 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
206	193 SQ. FT.	CONCRETE	THERMAL PANEL LINER	UNFINISHED	
207	284 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
208	175 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
209	80 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	



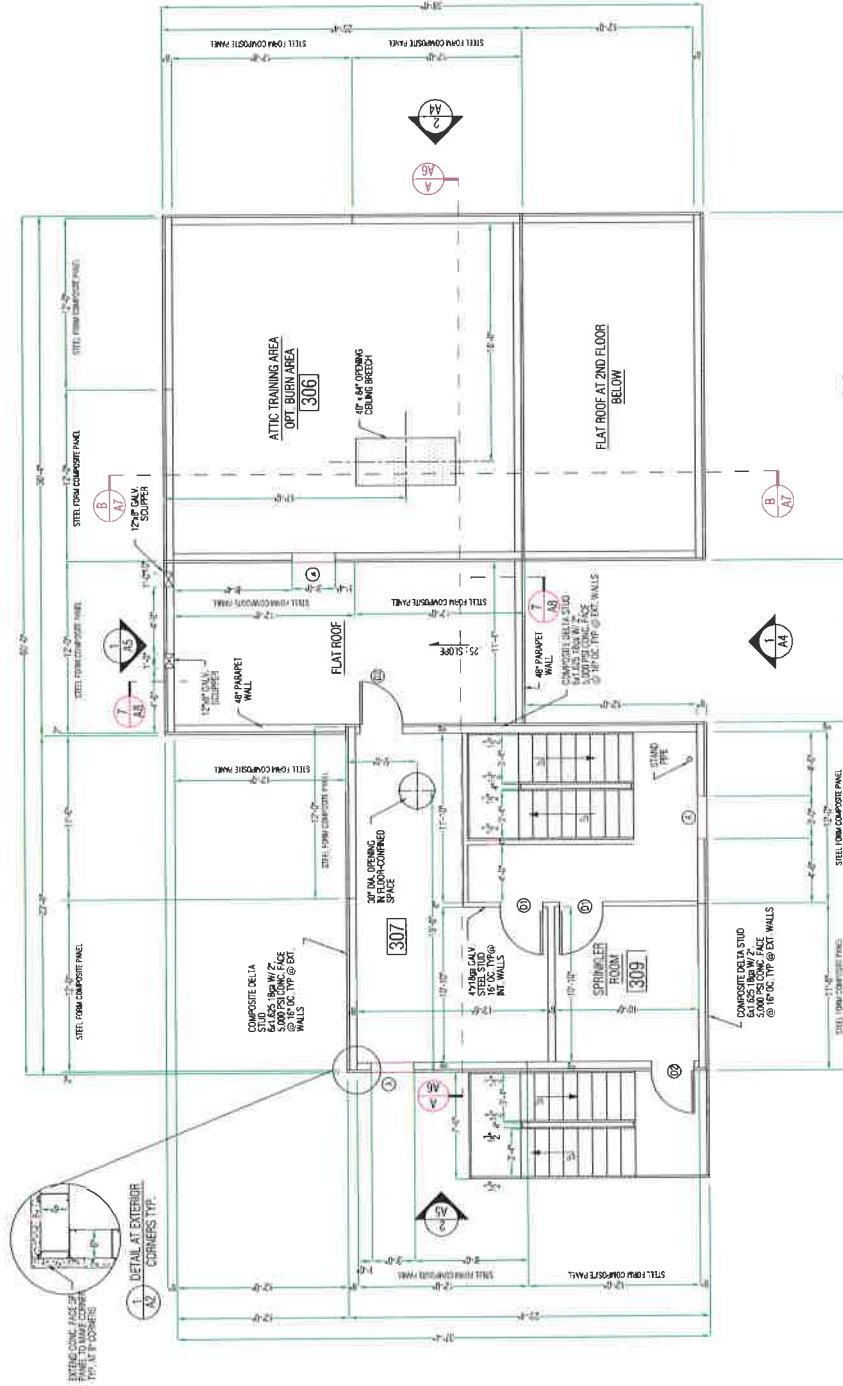
1 2nd LEVEL FLOOR PLAN  
SCALE: 1/4" = 1'-0"

DOOR AND WINDOW SCHEDULE

MARK	QUIN	TYPE	R.O.	SIZE	ARCH #	HARDWARE PAT #	FINISH	HARDWARE PAT #	FINISH
(A)	3	WINDOW	40" X 40"	30 X 30	1AD	CAL-ROYAL BB31	32D	CAL-ROYAL BB31	626
(D1)	2	INTERIOR DOOR	40" X 86"	30 X 70	2 RA-2	CAL-ROYAL BB31	32D	SCHLAGE AL10	626
(D2)	2	EXTERIOR DOOR	40" X 86"	30 X 70	2 RA-1	CAL-ROYAL BB31	32D	SCHLAGE SATURN	626

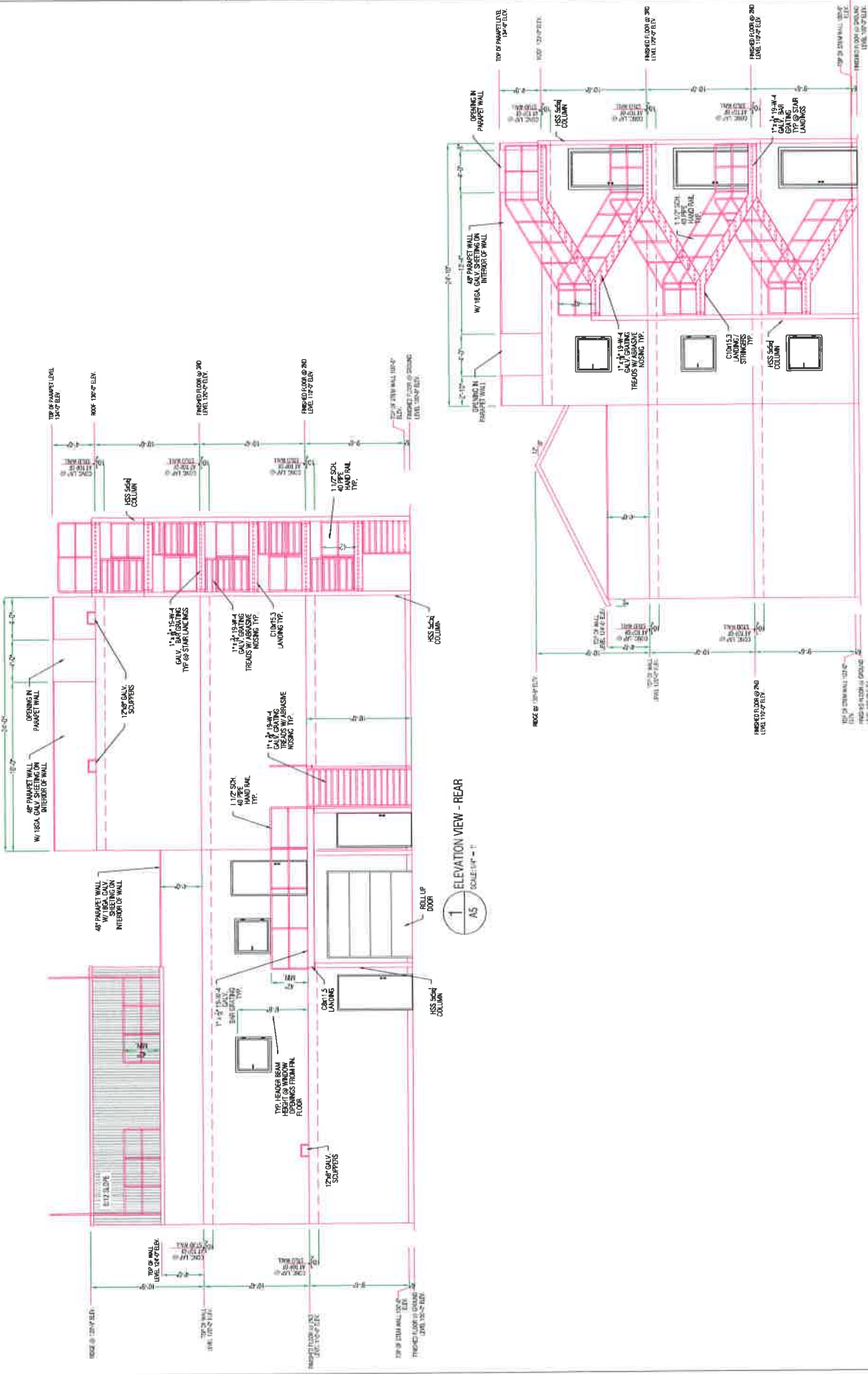
THIRD LEVEL - SQUARE FOOTAGE & DETAILS

ROOM #	SQUARE FOOTAGE	FLOORING	INTERIOR WALL COVERINGS	CEILING COVERINGS	NOTES
307	238 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	
308	101 SQ. FT.	CONCRETE	18 GA. STEEL SHEETING	UNFINISHED	



1 3 LEVEL FLOOR PLAN  
SCALE 1/4" = 1'

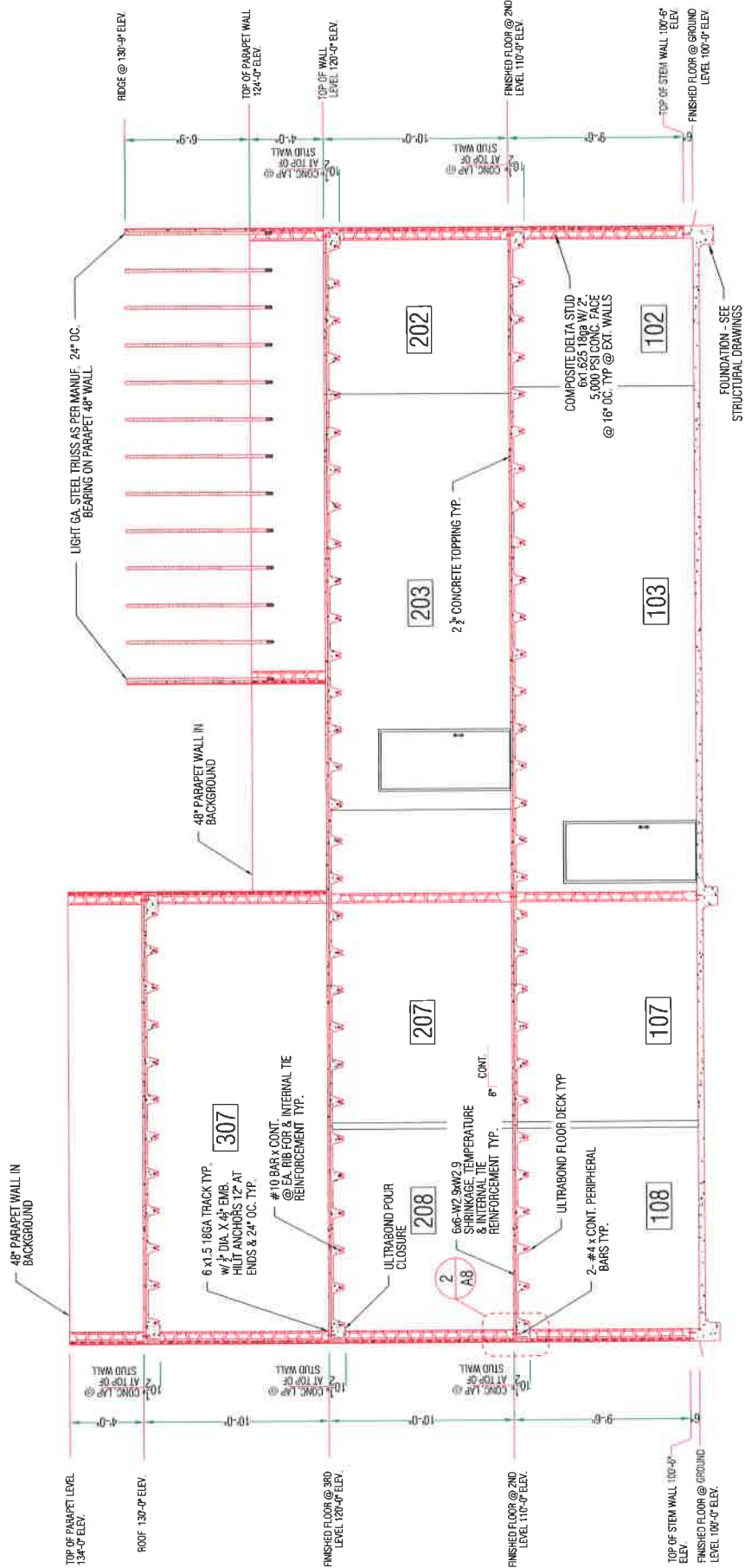




1 ELEVATION VIEW - REAR  
 SCALE: 1/4" = 1'-0"

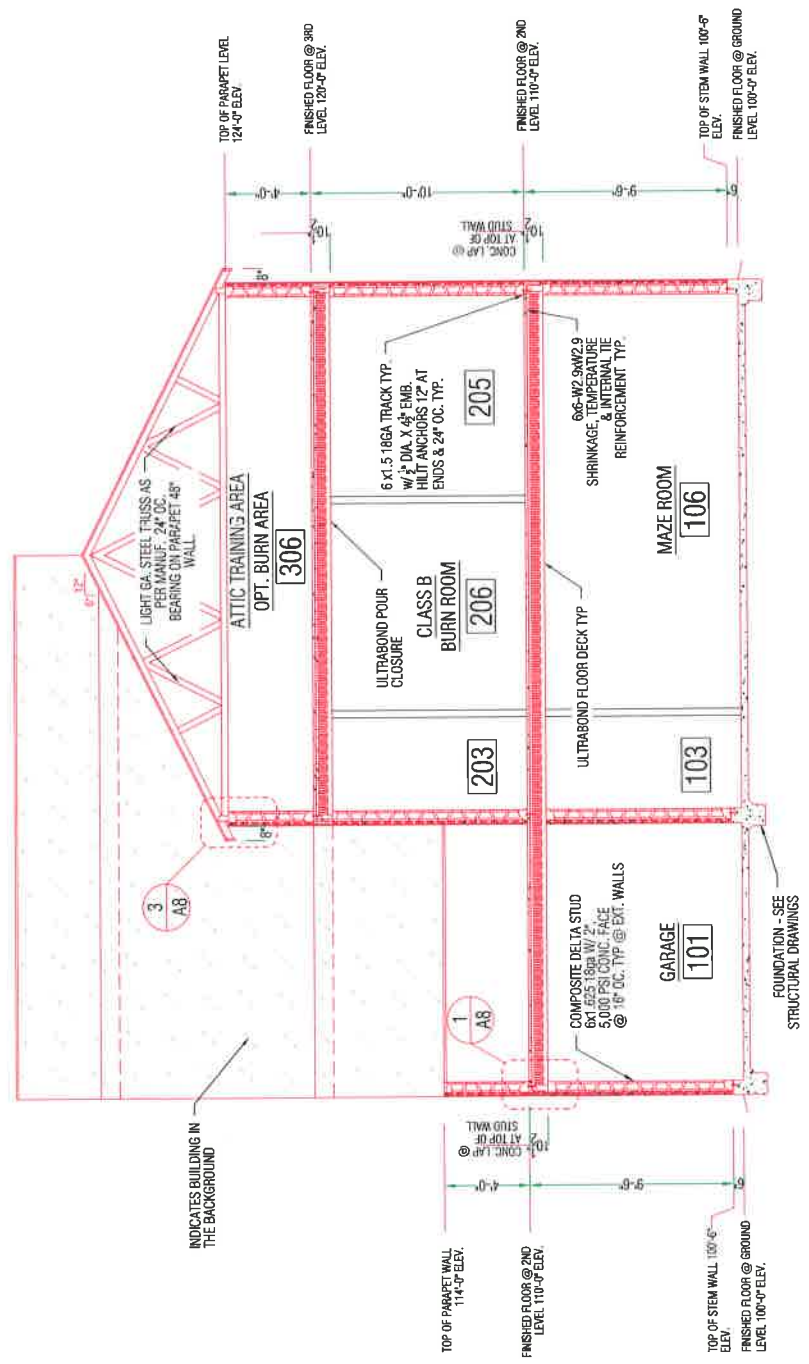
2 ELEVATION VIEW - LEFT  
 SCALE: 1/4" = 1'-0"





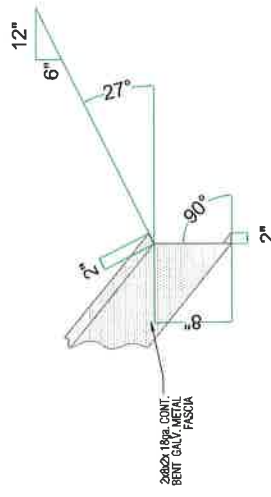
FOUNDATION - SEE STRUCTURAL DRAWINGS

1 BUILDING SECTION-AA  
A6 SCALE 3/8"=1'-0"

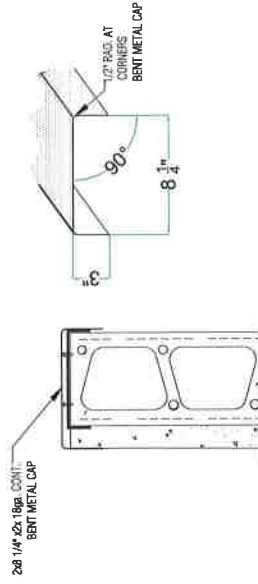


1 BUILDING SECTION VIEW-BB  
A7  
SCALE 3/8" = 1'-0"

3 NOT USED  
 A8 SCALE: NTS

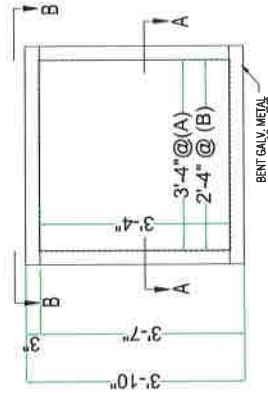
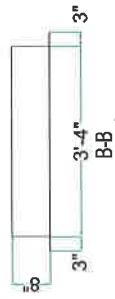


6 BENT FASCIA DETAIL  
 A8 SCALE: NTS



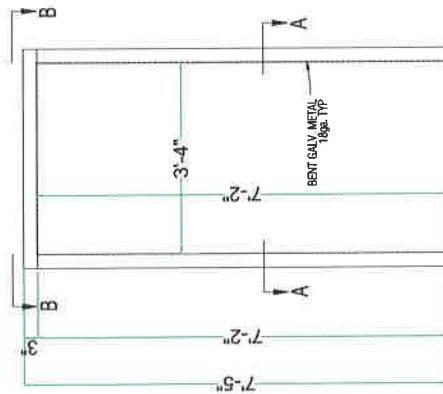
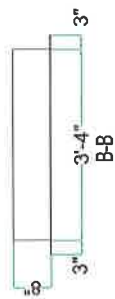
7 BENT PAREPET CAP DETAIL  
 A8 SCALE: NTS

2 NOT USED  
 A8 SCALE: NTS



5 TRIM DETAIL AT WINDOWS TYP  
 A8 SCALE: NTS

1 NOT USED  
 A8 SCALE: NTS



4 TRIM DETAIL AT DOOR TYP  
 A8 SCALE: NTS