

The Burn Building shall be reserved in advance and the department and/or lead instructor's name placed on the ERTC calendar. Reservations are made by contacting any of the following ERTC Staff members and asking for the event to be placed on the calendar: Fire Occupational Extension Director(ext. 50195), Fire Academy Coordinator(ext. 50194), or the Fire Occupational Extension Administrative Assistant(ext. 50223).

Any evolution utilizing GTCC resources (hay, sheetrock, OSB, smoke fluid, etc.) must be run as a class through GTCC in order to recoup funds to cover the cost of the resources.

Before any exercise using live fire evolutions in the burn building, the air quality for our region must be checked at <http://www.wunderground.com/US/NC/Greensboro.html> . Live fire evolutions are allowed only on Code Green or Yellow days. All live fire evolutions must be suspended on Code Orange days or worse.

When using real smoke and fire evolutions in the burn building, the lead instructor shall be a NC Live Fire Qualified training instructor. Assistant instructors shall be a minimum of a NC Fire Instructor I. Any personnel acting in an assisting role shall possess a minimum of FFII certification and must act under the supervision of the lead instructor. Any personnel acting in an unpaid (from the college)/assisting role must be acting under the auspices and with permission of the Fire Chief of his/her fire department so that they are covered by Workers Compensation insurance in case of injury.

No visitors or non-instructors/students shall be allowed in the burn building or any hazard zone. Private tours for non-fire/rescue personnel can be scheduled through ERTC Staff personnel.

No alterations (additions, holes cut/drilled, brackets installed, sections removed, etc) may be made to the burn building without approval by the Fire Occupational Extension Director or the Fire Academy Coordinator.





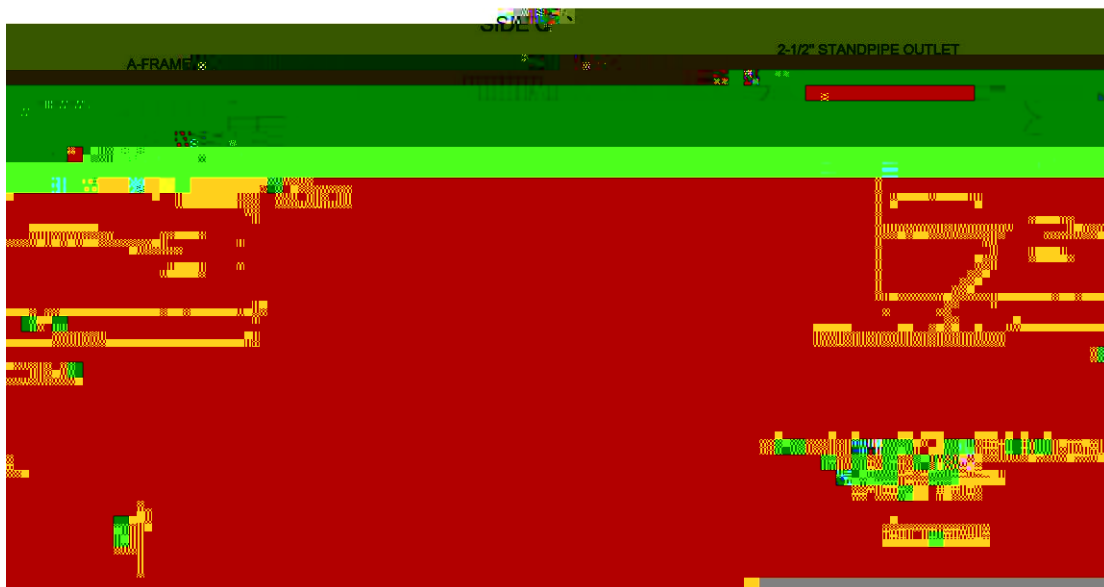
Drums on the 2<sup>nd</sup> (top floor) to provide smoke shall be kept a minimum of 10 feet away from combustible walls or the wooden maze.

It is recommended that whole sheets of OSB be placed over the metal grate on the first floor to help prevent overheating from heat being produced by fires in the basement.

Instructors are to report any damage/problems noted to ERTC Staff as soon as possible.

should be added to an existing fire if smoke production is desired. The maximum number of times that fuel may be added to the fire in a 4 hour-period is 8.

Also located in the basement are two closets accessed from the outside of the building on Side C. No fires may be set under any conditions in either of these two rooms. Fires shall not be set in any stairwell at any level. If smoke is desired to enter the stairwell for the exercise, the door from the large room in the basement to the stairwell should be propped in the open position.

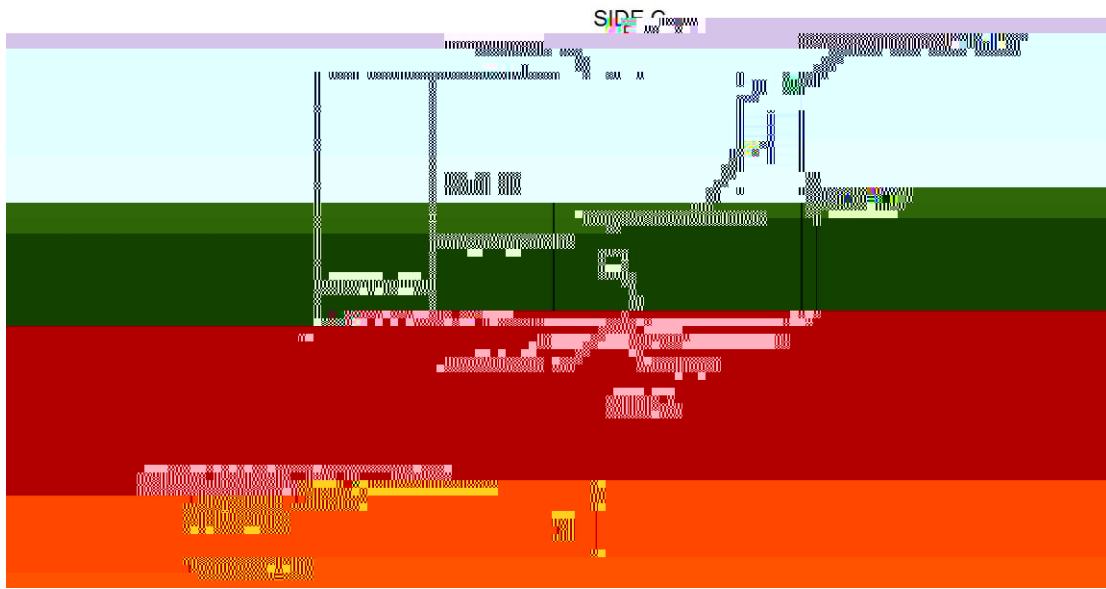


There are two burn pads located in the front room (Side A) of Division 1. A maximum of 4 pallets on each burn pan may be used to start the fires. A maximum of 2 pallets may be added to each burn pad as the pallets on the fire turn to embers. A maximum of ½ bale of hay may be used to start the fire or be added to an existing fire. Wet or damp hay should be added to an existing fire if smoke production is desired. The maximum number of times that fuel may be added to the fire in a 4 hour-period is 8. There is another room on the C side of Division 1. This room has an open stairway between Division 1 and the basement. This room also has a metal grate in the floor which allows smoke/heat from the basement to rise to Division 1. 4 x8 sheets of OSB are to be kept on this grate during live burn exercises to prevent the metal grate from becoming a thermal hazard. No fires are to be set in this room; with the exception of hay being burned in metal 55-gallon drums to produce smoke. Drums shall have bricks or sheetrock placed between the bottom of the drum and the floor to protect the concrete floor from thermal damage. The door(s) from this room to the front room of Division 1 may be propped open to allow smoke/heat to move into the rear room.

Fires shall not be set in any stairwell at any level. If smoke is desired to enter the stairwell for the exercise, the door from Division 1 to the stairwell should be propped in the open position.



On Division(Floor) 2, there are three rooms. Due to previous thermal damage, no pallet fires may be set under any conditions on this floor. Since no pallet fires may be set on this floor, a maze(wood) has been constructed in the rear(Side C) room and a wall(wood) has been constructed in the front(Side A) room to make two bedroom-size rooms. In each of these rooms, only hay fires in metal 55-gallon drums may be burned to produce smoke. Drums shall have bricks or sheetrock placed between the bottom of the drum and the floor to protect the concrete floor from thermal damage. Any drums used for smoke shall be kept a minimum of 10 feet away from any combustibles.



Division 3 is the top-most roof portion of the burn building. No fires may be set anywhere on Division 3 under any conditions. On Division 3 there is a roof hatch which can be opened to ventilate Division (Floor) 2. There is also a vertical ladder to the top of the bulkhead over the enclosed stairwell.