LEICESTERSHIRE
FIRE and RESCUE SERVICE

DESIGN ACCESS STATEMENT

FOR THE INSTALLATION OF A CARBONACEOUS LIVE FIRE TRAINING UNIT.



AT

CATERPILLAR (UK) Ltd.
Peckleton Lane, Desford
Leicestershire LE9 9JT.

DEVELOPMENT SERVICES
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Schedule 1 - USE

The proposed carbonaceous Live Fire Training Unit has been identified to be installed within the site boundary of Caterpillar UK Ltd with is located off Peckleton Lane outside the village of Desford.

The site is currently used by caterpillar for the manufacture and distribution of various Caterpillar machinery components.

It has been agreed between Leicestershire Fire and Rescue and Caterpillar that a small piece of ground on the Northern part of the Caterpillar site be used by Leicestershire Fire and Rescue as a training venue for firefighters to increase their knowledge and understanding of fire behavior. In order to do this it has been proposed at a Carbonaceous Fire Training unit be installed on the site which can demonstrate the behavior of fire in a "Flash Over" and "Backdraft" situation.

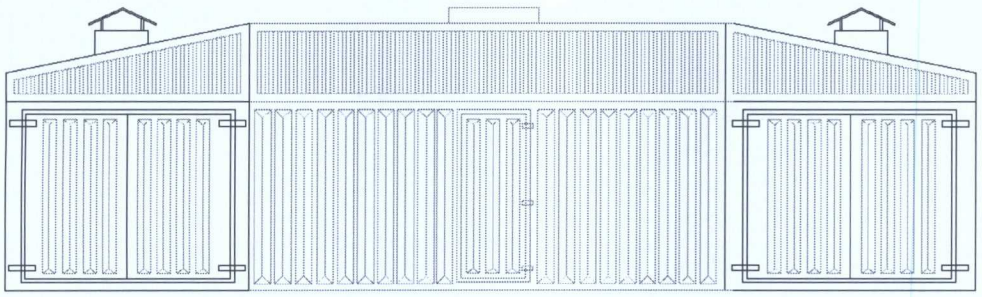
The training unit will comprise of 3 shipping container style units joined together in a H shape arrangement.

Along with the training unit there will be a further 3 shipping containers one of which will be used for the storage of materials used within the main training facility, another will be used for training officers in fire investigation and the third will be used to house a Breathing Apparatus compressor to recharge breathing apparatus sets.

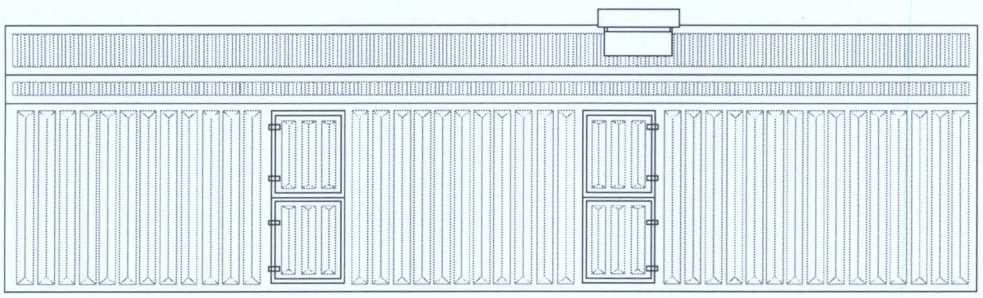
The only unit being connected to mains services will be a power supply to the compressor.

Schedule 2 – THE AMOUNT

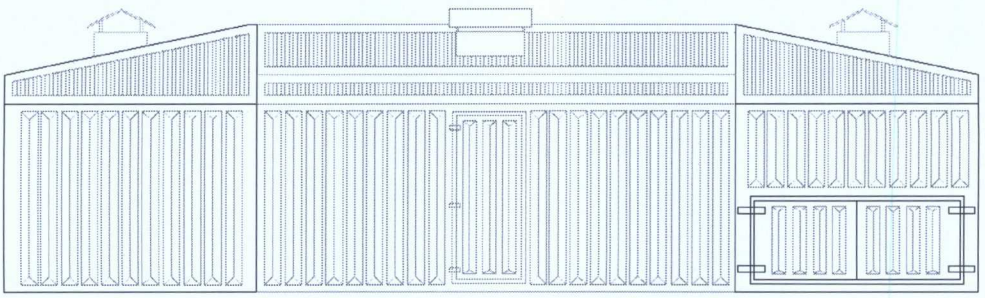
The proposed training facility is to comprise of 6No. shipping style containers 3 of which will form the training building. Below is the proposed elevations of the training unit. When connected the Unit will measure 12m x 12m and will stand approximately 3.5m high.



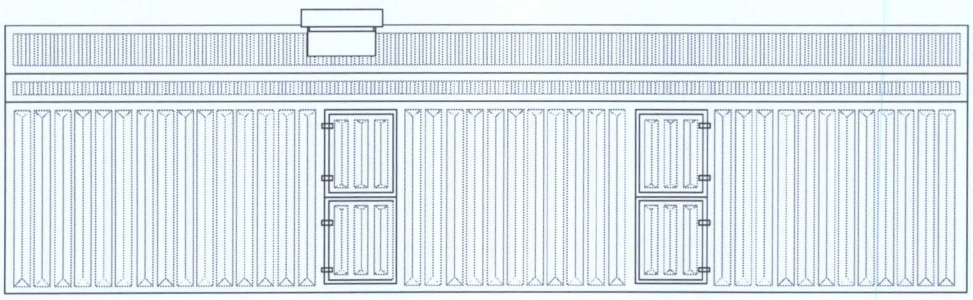
Proposed front of the Training Unit.



Proposed side of the Training Unit.

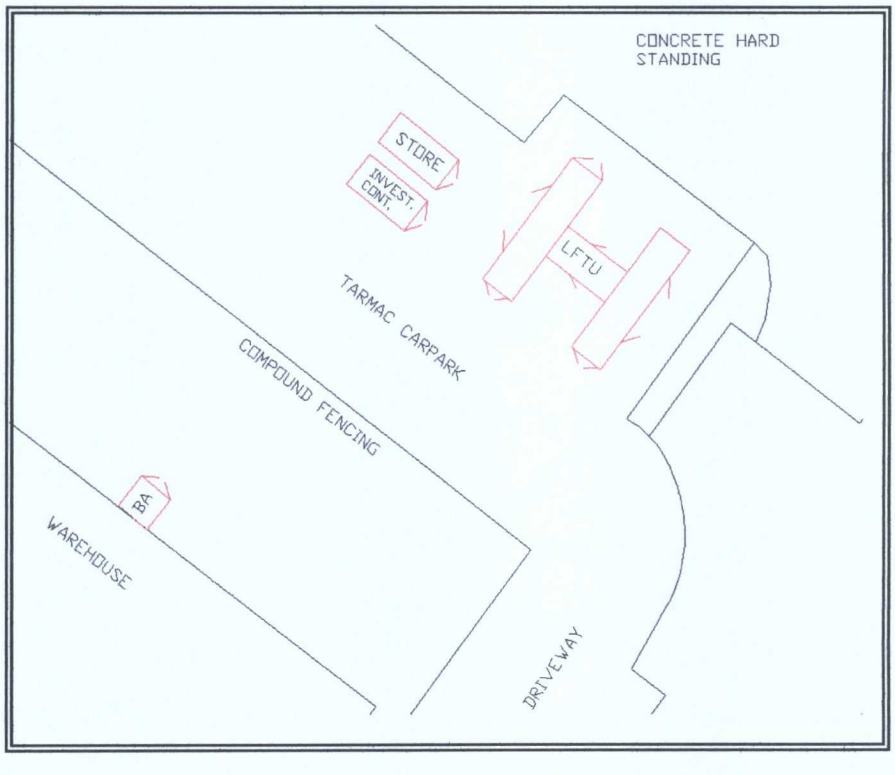


Proposed rear of the Training Unit.



Proposed side of the Training Unit.

The remaining 3No. containers will be located in close proximity to the training unit as shown below:-



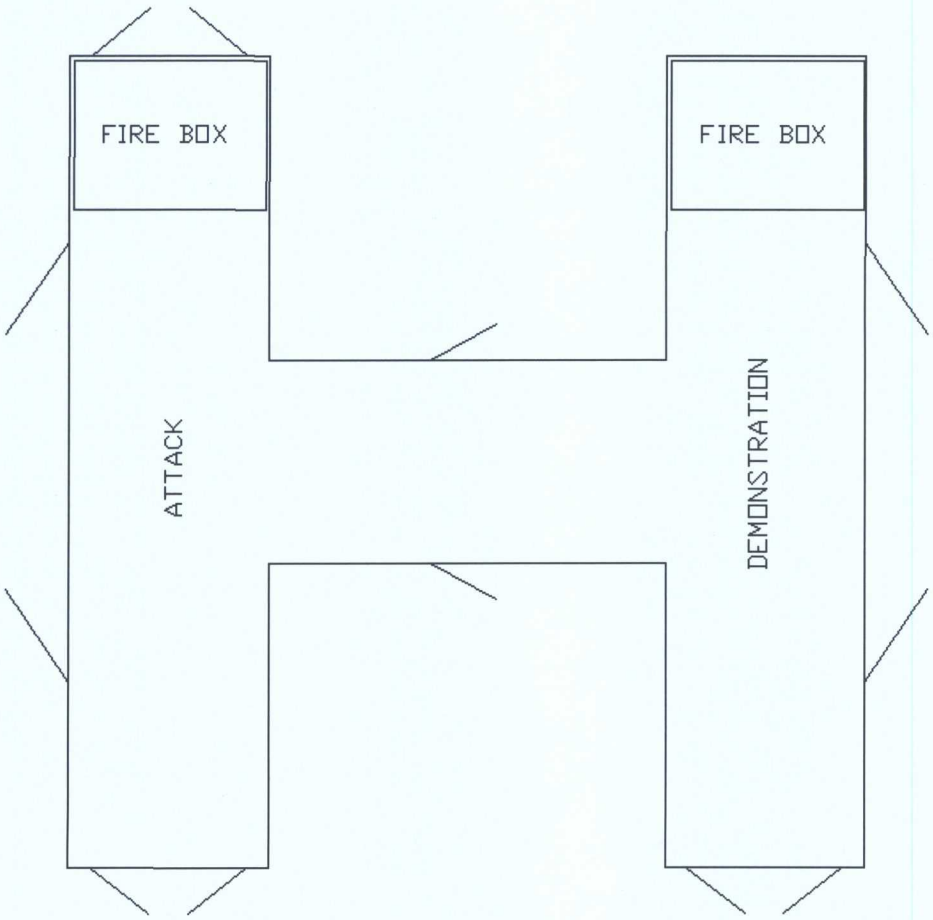
One of the remaining 3 units (indicated above as Store) will be used for storage of wood materials used to burn within the training unit. This unit will be 6m x 3m and will be approximately 3m high.

The unit indicated as Invest. Cont. will have a room scenario set up inside in which a fire will be set and extinguished in order to allow Leicestershire Fire and Rescue Investigation Teams the opportunity to train and develop their knowledge of fire investigation.

The remaining unit labelled as BA is to be located adjacent to the existing warehouse as it will be the only unit to have a power source which is to house a breathing apparatus charging compressor which will recharge the breathing apparatus after its use within the training unit, by doing this it will enable the crews to be fully operational should their presence be needed within the county. It is proposed that this unit be 3m x 3m and approximately 3m high.

Schedule 3 - LAYOUT

As shown on the previous site plan the training unit is to be formed in a H Shape configuration as shown below:-



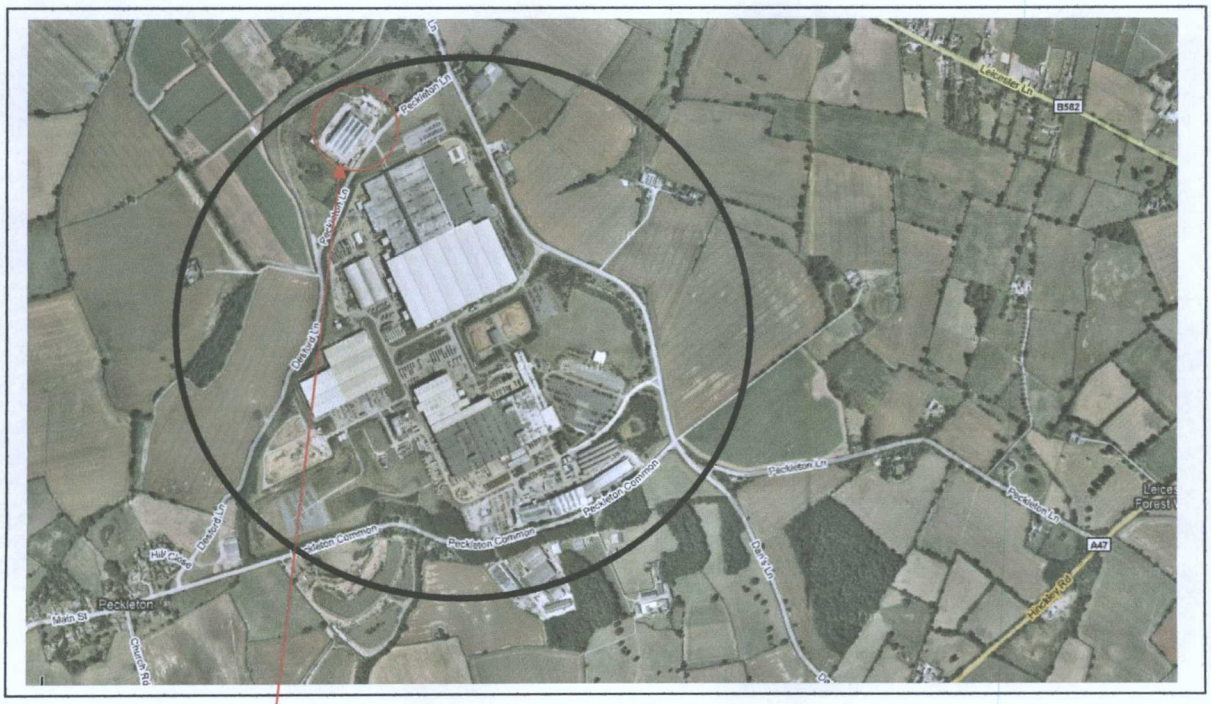
The unit will be interconnecting but will also be fitted with the ability to open and close the connections between the units thus allowing the facility to be more flexible in its capabilities.

The unit is intended to be used as a full training facility as indicated on the above layout the unit labelled at demonstration is intended to be used to show the fire-fighters how the fire behaves and develops into a flashover situation and the attack unit will train the fire-fighters how to attack and extinguish the fire in the safest possible way.

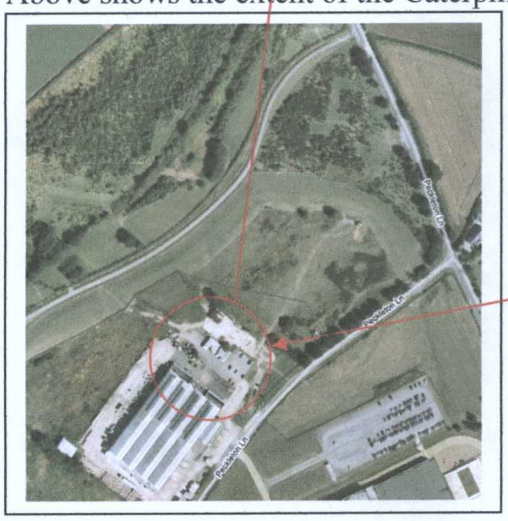
The remaining units will be standard shipping containers with little or no modifications.

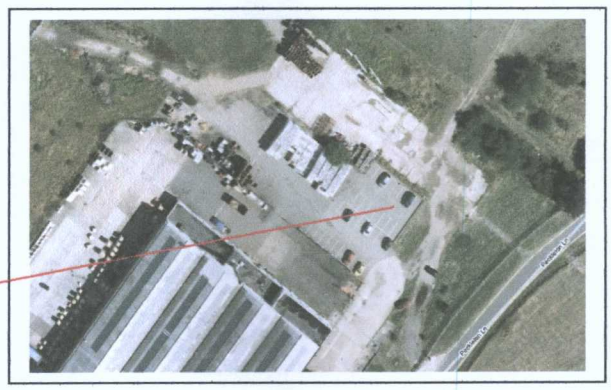
Schedule 4 – SCALE

Caterpillar works in Leicestershire is located just outside Desford and covers an estimated 190 acres. The proposed location of the fire training unit is to the North end of the site. The scale of the site and the proposed location of the fire training unit is shown by the photos below.



Above shows the extent of the Caterpillar Works in Desford.



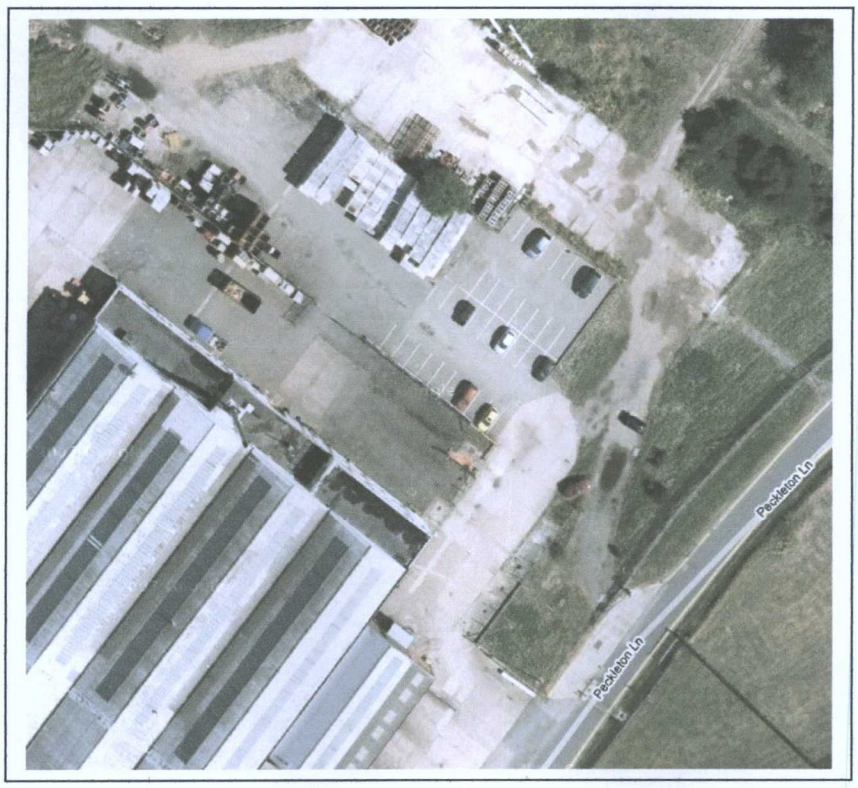


Above left identifies the sub site for the proposed fire training unit and above right shows the proposed location of the training facility.

Schedule 5 - LANDSCAPING

The existing site is currently a tarmac carpark and it is proposed to locate the training facility directly onto the current surface finish.

The landscaping around the proposed site is the floor slab of a previously demolished warehouse as shown below.

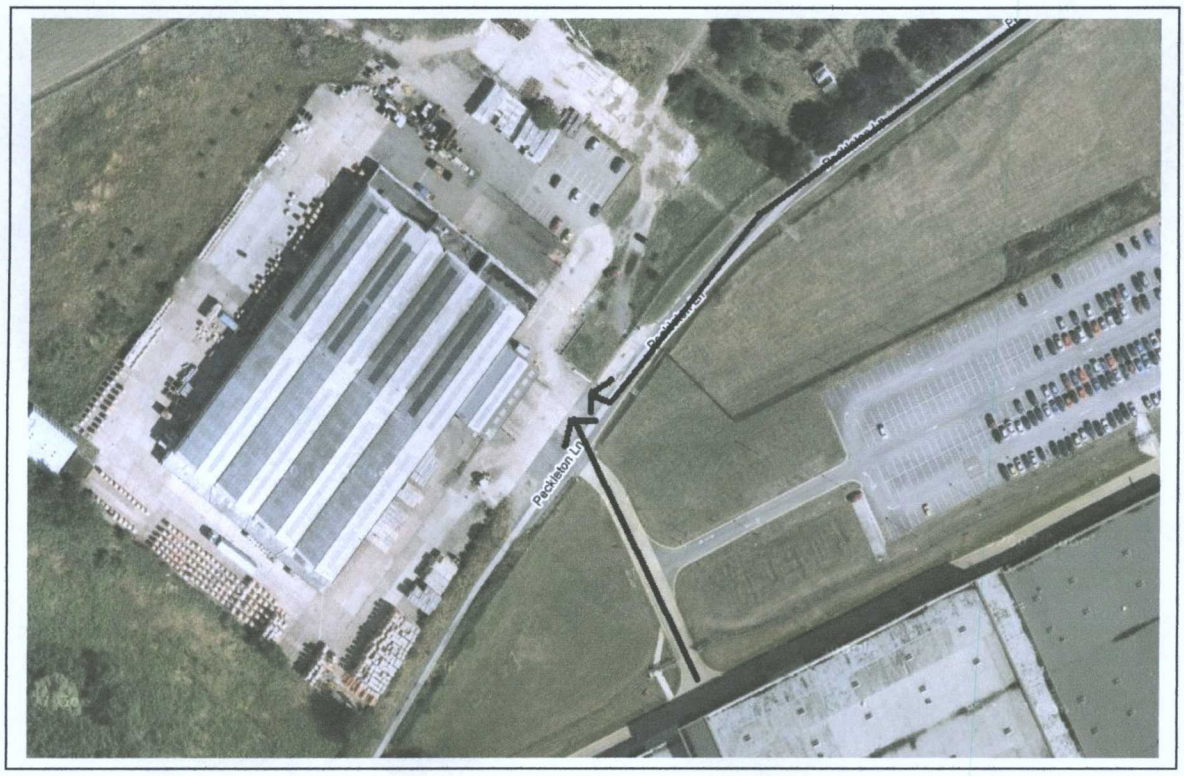


At present there are no proposals to change or alter any landscaping in the immediate area of the proposed training facility.

Schedule 6 - ACCESS

The site is currently accessed through the security barrier at the end of Peckleton Lane which serves most entrances into the Caterpillar site.

The site can also be accessed through the Caterpillar main site.



As the fire crews will be utilising a fire appliance to undertake the proposed training it is proposed that access will be gained via Peckleton lane Security office which will eliminate the need to drive through the main section of the Caterpillar site.