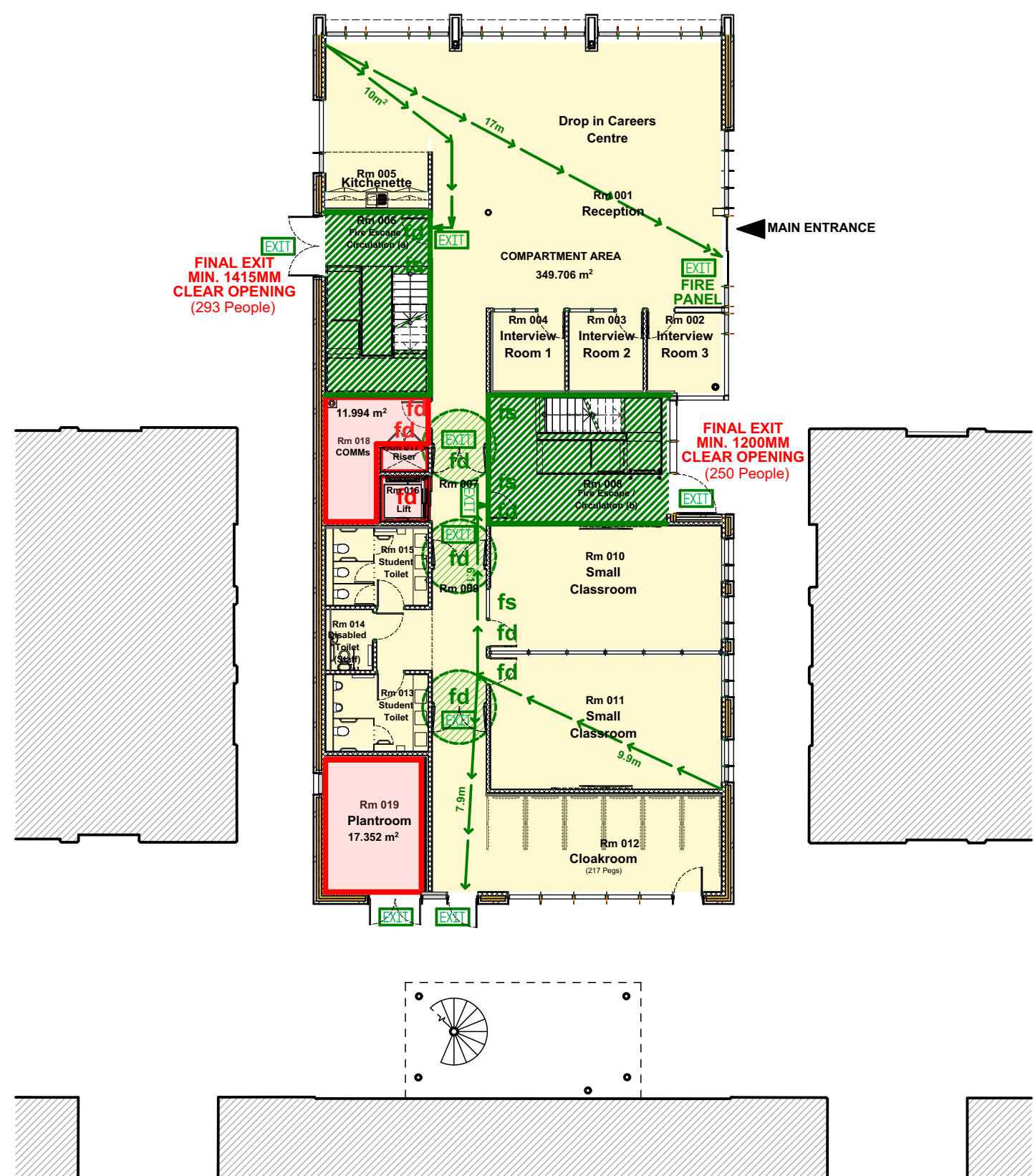
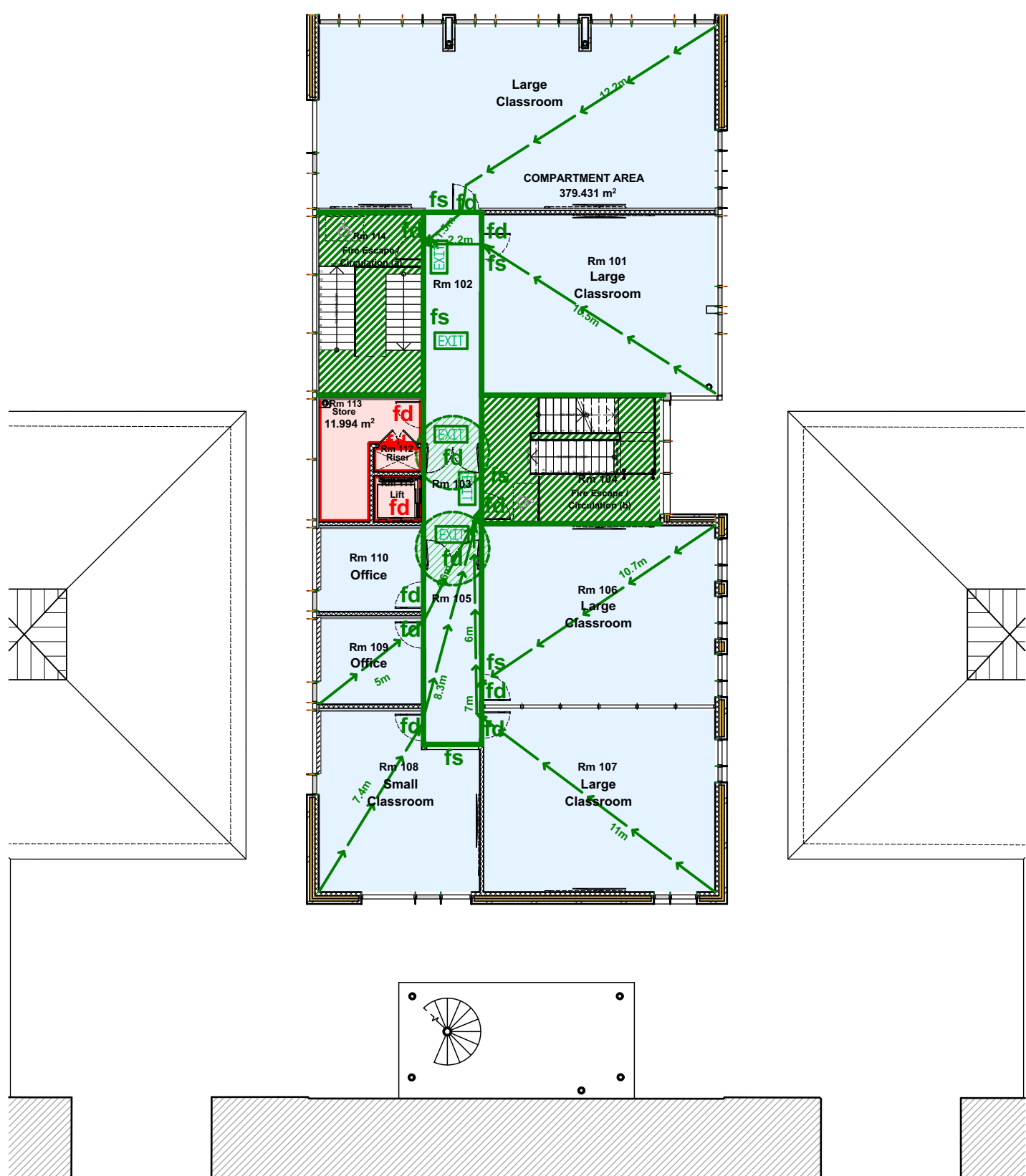
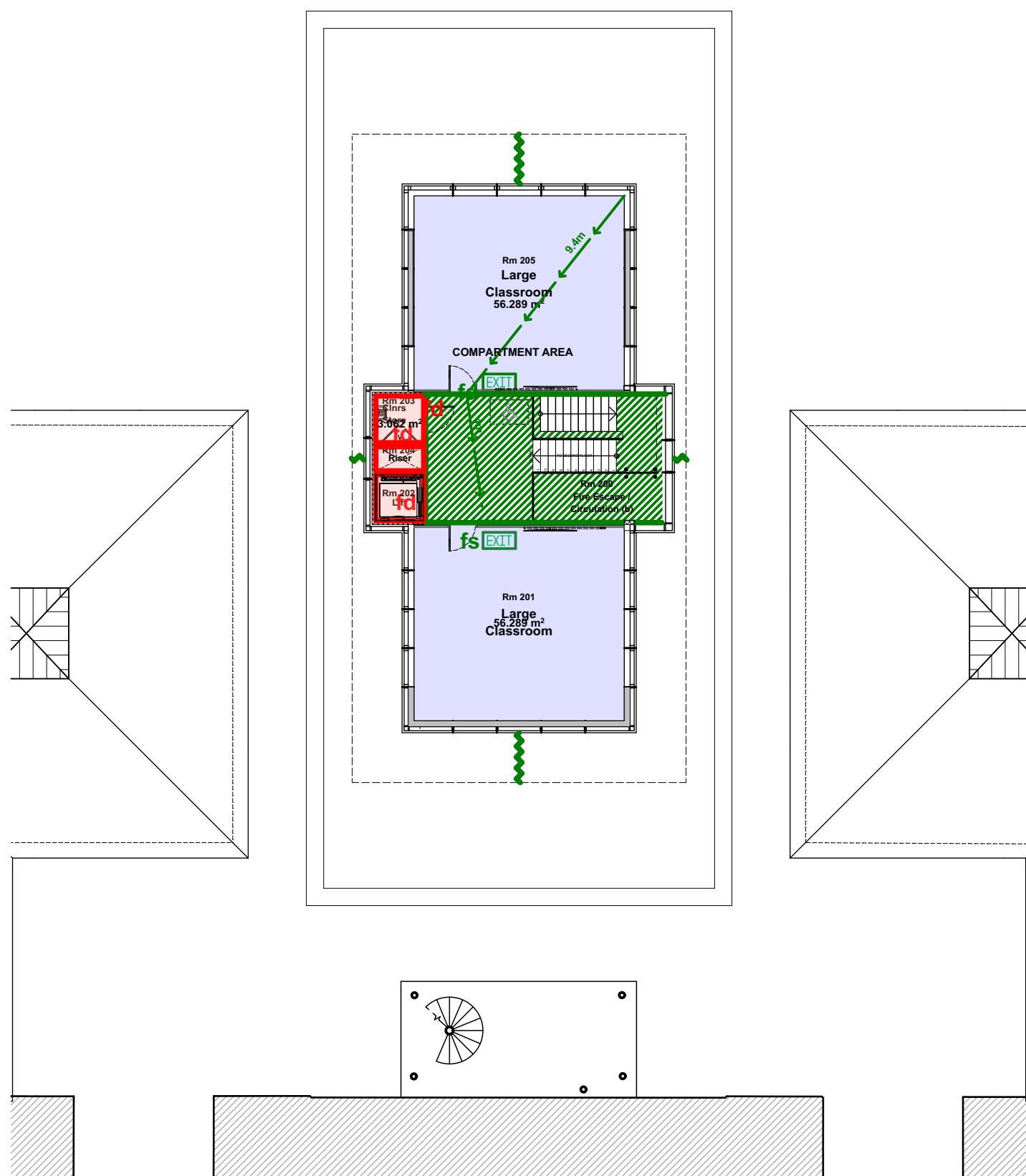




PROPOSED GROUND FLOOR PLAN
Scale 1:200



PROPOSED FIRST FLOOR PLAN
Scale 1:200



PROPOSED SECOND FLOOR PLAN
Scale 1:200

- NOTES**
- Design approach based upon Approved Document B.
 - No sprinkler protection proposed.
 - Maximum compartment area of 2,000m² as per Table 2 Approved Document B. Note: each floor is a separate compartment.
 - Fire doors that create compartments and sub-divide the circulation routes are held open using electromagnetic catches linked to the fire alarm.
 - Rooms of special fire risk like Kitchen and Stores of various types, are enclosed with 30min. fire resisting construction (minimum).
 - All surfaces to meet Class 0 requirements.
 - Single direction distances restricted to 18m as per Table 2 (Limitation on travel distance) and 45m in more than one direction.
 - Detection and Alarm to L2 requirements of BS 5839-1:2012. Simultaneous evacuation and connected back to the existing schools fire alarm.
 - Occupancy levels
 - Second Floor = 56 (Maximum 60 people)
 - First Floor = 147
 - Ground Floor = 90
 - TOTAL = 293
 - Under Table 2 (Minimum number of escape routes and exits from a room, tier or storey); Two escape routes are proposed from the first two stores with a total not exceeding 600 people and 1 escape route from the second floor with a total not exceeding 60 people.
 - Both escape stairs to have a minimum width of 1,100mm which under Table 4 allows for the maximum number of people within the exit at 230.
 - None load bearing seals for fire stopping between walls just use Rockwool 50mm Ablative coated batt (P12/365A).

FIRE STRATEGY KEY

- Demarks Compartmentation Zones.
To be 1 Hour Fire Resisting Construction.
- Protected Fire Escape
To be 30 minutes Fire Resisting Construction.
- Main Fire Escape from Building.
- Main Fire Escape Routes.
- 30 minutes Fire Resisting Construction.
- 30 minutes Fire Door.
- 30 minutes Fire Screen.
Minimum 30Min Integrity & 30Min Insulation up to 1,100mm high, then 30Min Integrity only thereafter.
- 60 minutes Fire Door.
- Hold open devices on fire-resisting self-closing doors connected to the automatic fire detection and alarm system.
- Fire Barrier in external ceiling void to prevent the spread fire and inhibiting the passage of smoke in concealed spaces. (P10/410A).

NOTE: DWG Files are provided FOR INFORMATION only. DWG Files are generated from ArchiCAD. Non-editable Hardcopies and PDF Files take precedence and in the event of any discrepancies please advise the Architect immediately.

DRAWING TITLE: Fire Strategy		
JOB DESCRIPTION: THOMAS TELFORD SCHOOL		
STATUS: CONSTRUCTION		
DRAWING SCALE: 1:200@A1	DATE: 05/03/19	DRAWING REF: 2609-F-025A
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