

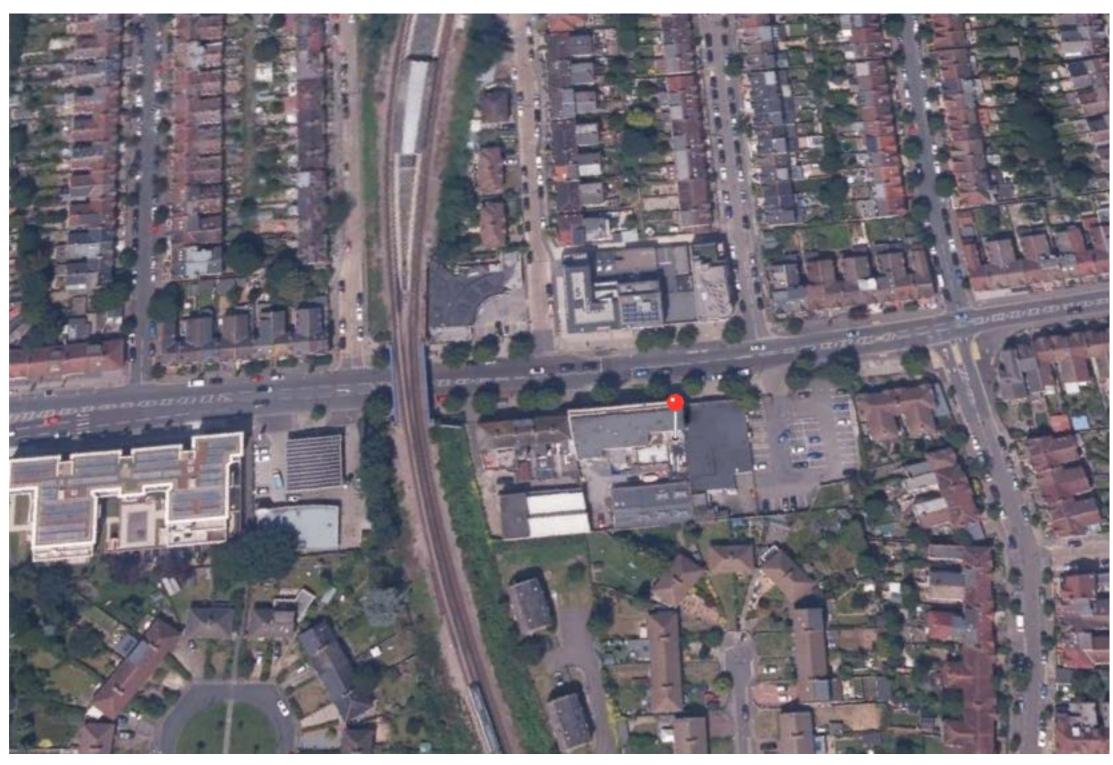


VISION HOUSE, WIMBLEDON A Case Study by Plenitus Construction Services



CASE STUDY

PROJECT OVERVIEW



Picture 1 - Site Location



Picture 2 Vision House (3D Visualisation) as viewed from Kingston Road, following redevelopment.

Project Details

Client: Residential DeveloperSite: Vision House, 290-302 Kingston Rd, Wimbledon, London SW20 8LXDate Completed: May 2020

Overview

Vision House comprises of an existing four storey Art-Deco building within a site extending to 0.22 acres (900 sqm). Four retail units occupy the ground floor with 19 residential flats above, made up of one and two-bed apartments, arranged over the first and second floors at the western end of the building and the entire third floor.

The building originally comprised of retail units on the ground floor and office space on the remaining three levels above.

Plenitus Construction Services Limited (PCSL) were engaged directly by the developer to undertake a measured building survey (MBS) of the property.

The survey was commissioned by the developer to provide a set of baseline information drawings, which could subsequently be used to develop plans for redeveloping the upper levels of the property from commercial to residential use and reconfiguring the ground floor space for new retails units..

SCOPE OF WORKS & METHODOLOGY

SCOPE

- from Table 2.3 of the RICS professional guidance, global 'Measured surveys of land, buildings and utilities.
- More specifically, the following information was requested to be included:
 - Internal/ external structural walls •
 - Location of existing steel beams, to include section type, size and levels
 - Heights to cills, window/ door heads.
 - Floor and ceiling levels
 - Rainwater and vent pipes

METHODOLOGY

- Site Survey Undertake a measured building survey using a Leica P40 Scanner & Leica GPS
- Point Cloud Register the point cloud to enable production of Revit Model
- Production of AutoCAD deliverables From the resulting REVIT model produce the required elevations, cross-sections and floor plans



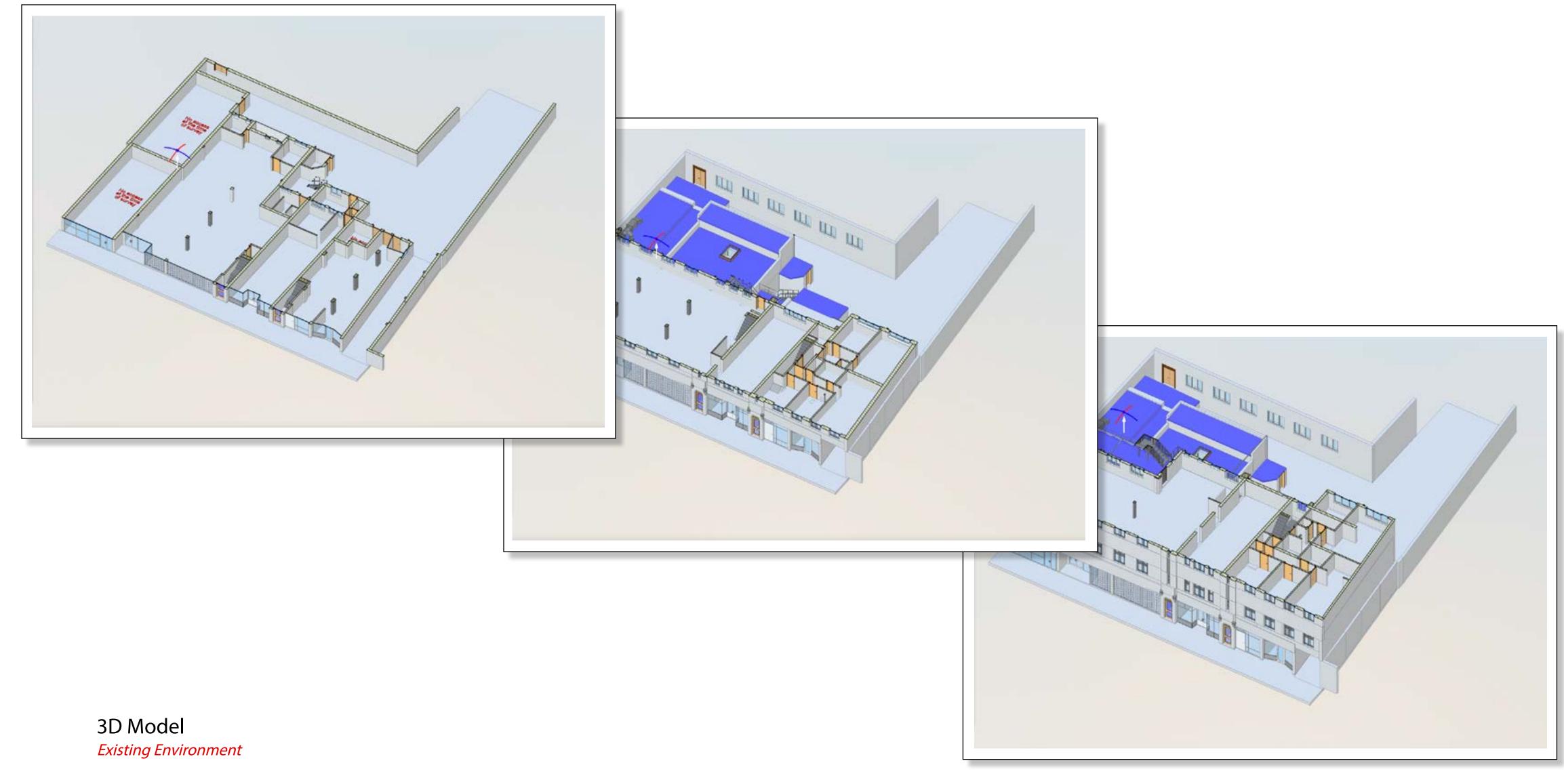
• Undertake and provide a dimensionally accurate Measured Building Survey of Vision House, that included ground, first second and third floors. This was to include for the production of a 3d Revit model and 2d floor plans, sections and external elevations at a scale of 1:50, with an accuracy of Band D as determined



Existing Environment



REVIT Model Slices



Elevations



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	Engineering Collaborative Solutions
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	PROJECT
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	ISSUE RE-ISSUE 02/04/19 - SCALE STATUS 1:50@A0 FINAL
	1:50@A0 FINAL DRAWING TITLE
	MEASURED BUILDING SURVEY FRONT & REAR ELEVATION
	DRAWING NUMBER 17043-EL-SVY-001
	REVISIONSHEET No1.01_OF_1

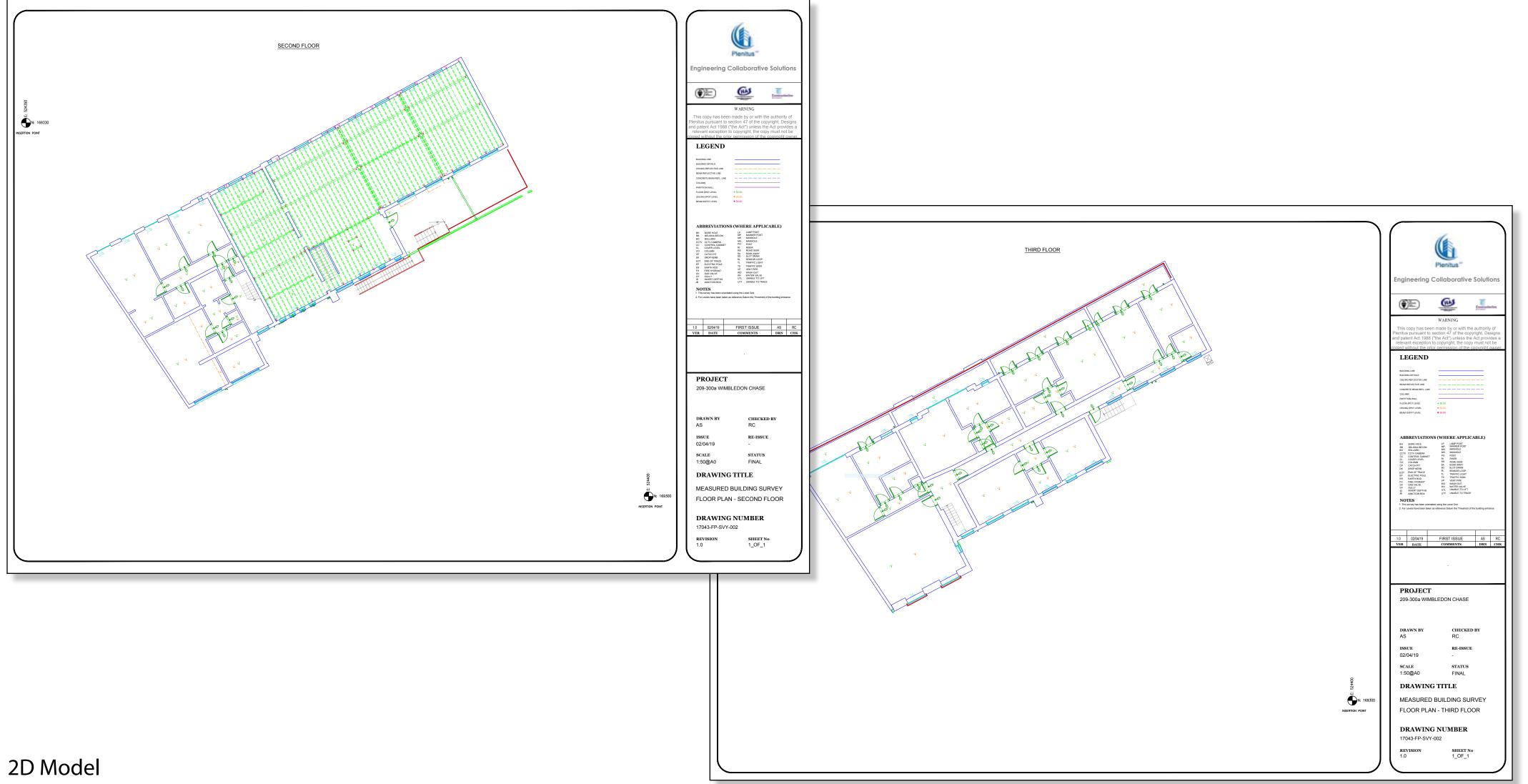
Floor Plans



2D Model

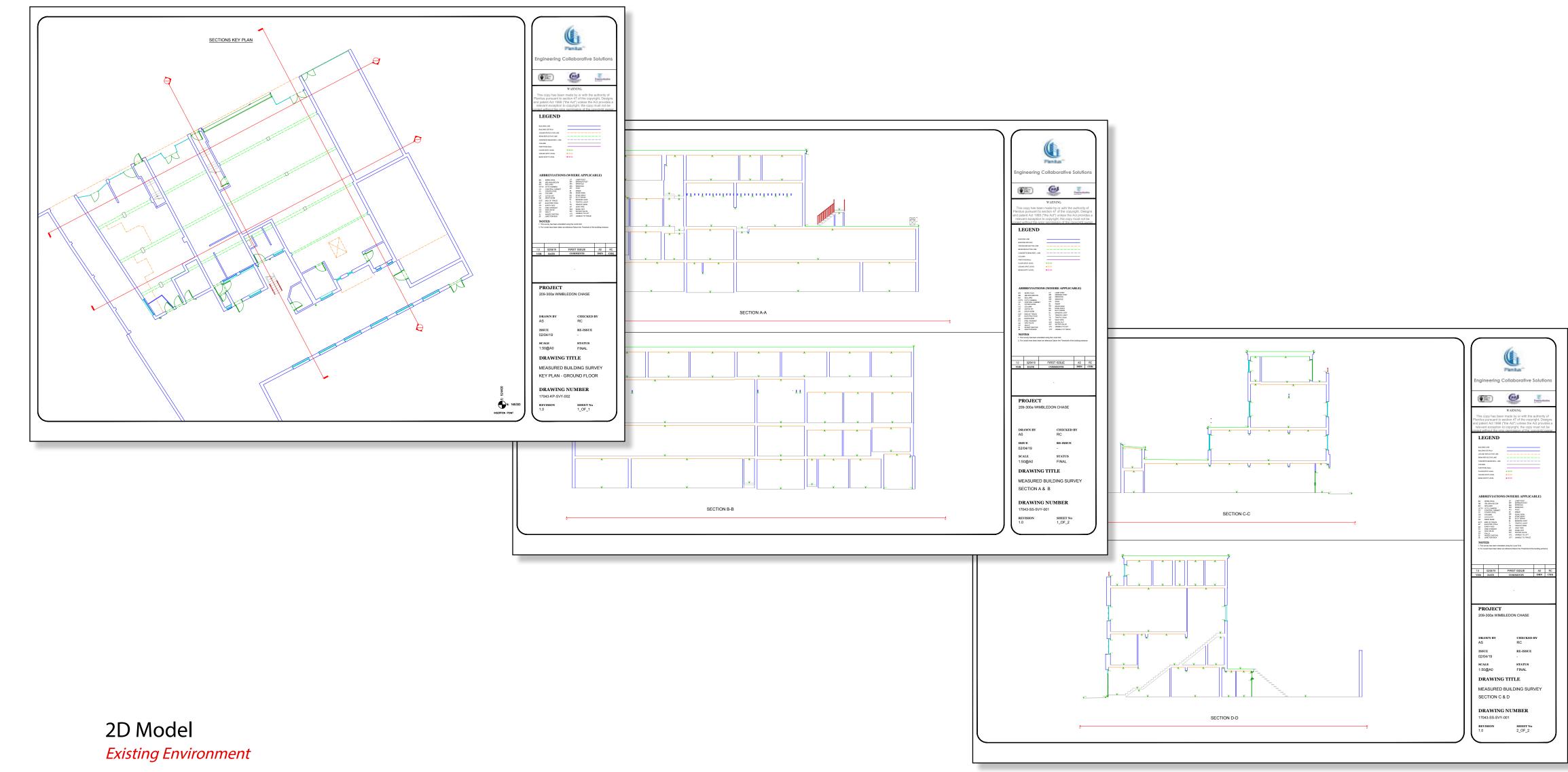
Existing Environment

Floor Plans



Existing Environment

Cross Sections



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