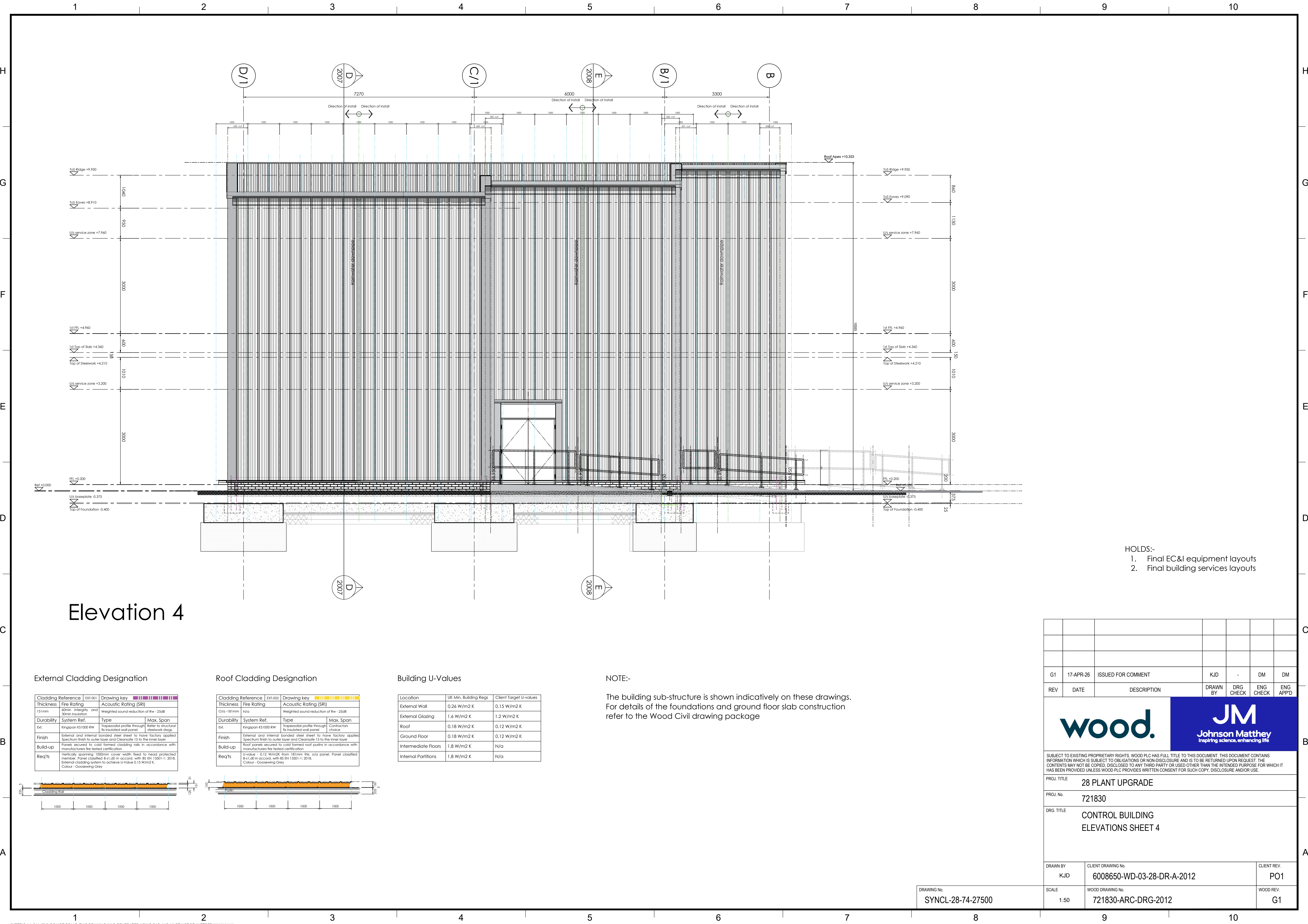




Elevation 4

- HOLDS:-
- 1. Final EC&I equipment layouts
 - 2. Final building services layouts

External Cladding Designation

Cladding Reference	Ext-001	Drawing key	Thickness	Fire Rating	Acoustic Rating (SRI)	Weighted sound reduction of Rw- 25dB
Thickness	151mm		60mm integrity and 30min insulation			
Durability	System Ref.	Type	Max. Span			
Ext.	Kingspan K31000 RW	Trapezoidal profile through fix insulated wall panel	Refer to structural steelwork dwgs.			
Finish		External and internal bonded steel sheet to have factory applied Spectrum finish to outer layer and Clearcoat 15 to the inner layer				
Build-up		Panels secured to cold formed cladding rails in accordance with manufacturers fire tested certification				
Req'ts		Vertically spanning 1000mm cover width fixed to head protected member. Panel classified B-s1,d0 in accord. with BS EN 13501-1: 2018. External cladding system to achieve U-Value 0.15 W/m2 K. Colour - Goosewing Grey				

Roof Cladding Designation

Cladding Reference	Ext-002	Drawing key	Thickness	Fire Rating	Acoustic Rating (SRI)	Weighted sound reduction of Rw- 25dB
Thickness	110-181mm		N/A			
Durability	System Ref.	Type	Max. Span			
Ext.	Kingspan K31000 RW	Trapezoidal profile through fix insulated wall panel	Contractors choice			
Finish		External and internal bonded steel sheet to have factory applied Spectrum finish to outer layer and Clearcoat 15 to the inner layer				
Build-up		Roof panels secured to cold formed roof putins in accordance with manufacturers fire tested certification				
Req'ts		U-value = 0.12 W/m2K from 181mm thick o/a panel. Panel classified B-s1,d0 in accord. with BS EN 13501-1: 2018. Colour - Goosewing Grey				

Building U-Values

Location	UK Min. Building Regs.	Client Target U-values
External Wall	0.26 W/m2 K	0.15 W/m2 K
External Glazing	1.6 W/m2 K	1.2 W/m2 K
Roof	0.18 W/m2 K	0.12 W/m2 K
Ground Floor	0.18 W/m2 K	0.12 W/m2 K
Intermediate Floors	1.8 W/m2 K	N/a
Internal Partitions	1.8 W/m2 K	N/a

NOTE:-

The building sub-structure is shown indicatively on these drawings. For details of the foundations and ground floor slab construction refer to the Wood Civil drawing package

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PROJ. TITLE
28 PLANT UPGRADE

PROJ. No.
721830

DRG. TITLE
CONTROL BUILDING
ELEVATIONS SHEET 4

DRAWN BY
KJD

CLIENT DRAWING No.
6008650-WD-03-28-DR-A-2012

CLIENT REV.
PO1

SCALE
1:50

WOOD DRAWING No.
721830-ARC-DRG-2012

WOOD REV.
G1

DRAWING No.
SYNCL-28-74-27500