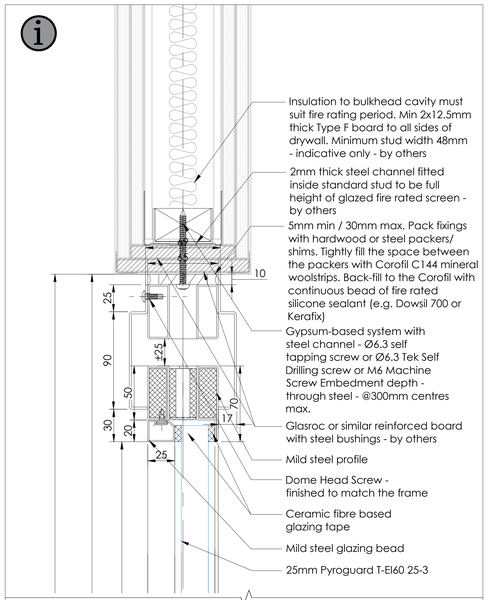
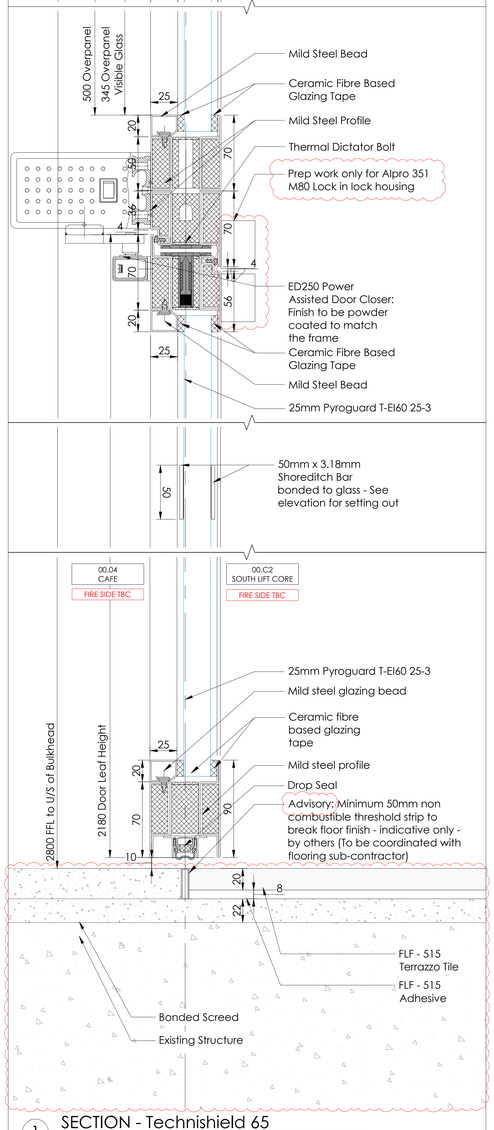
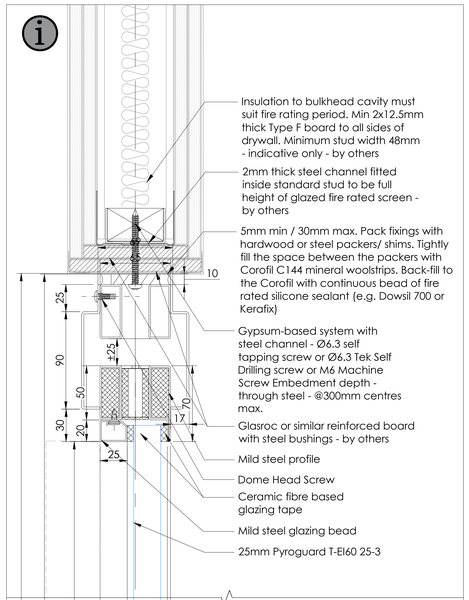
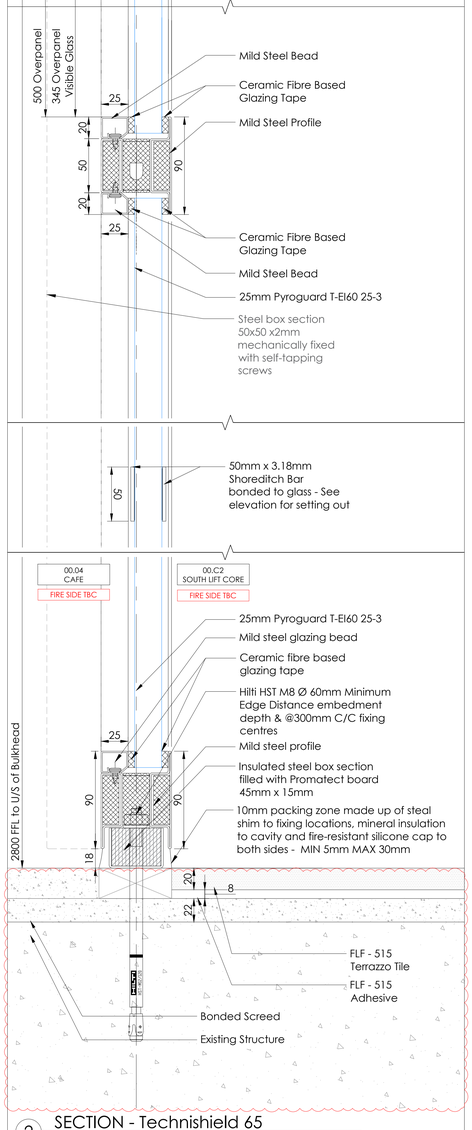


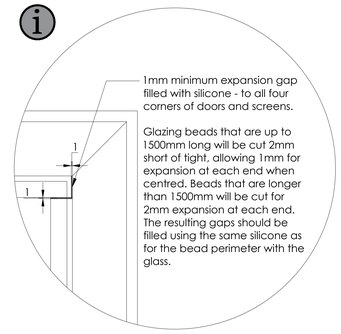


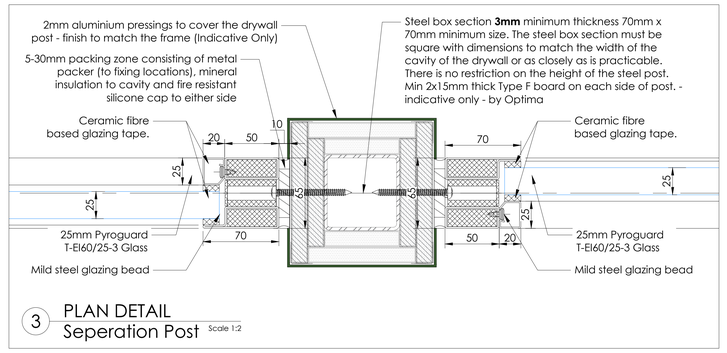
1 SECTION - Technishield 65
60/60 FR NR Door with Overpanel Scale 1:2



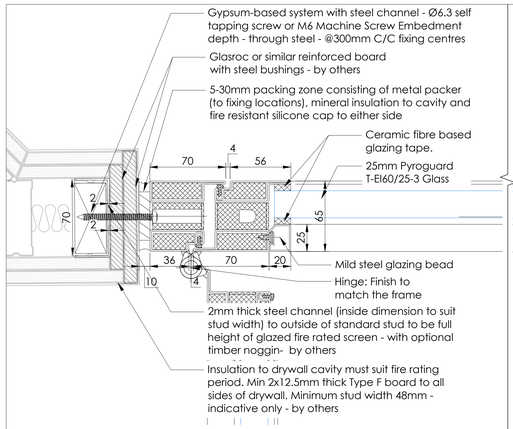


2 SECTION - Technishield 65
60/60 FR Screen with Overpanel Scale 1:2

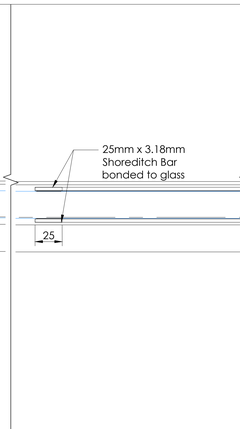




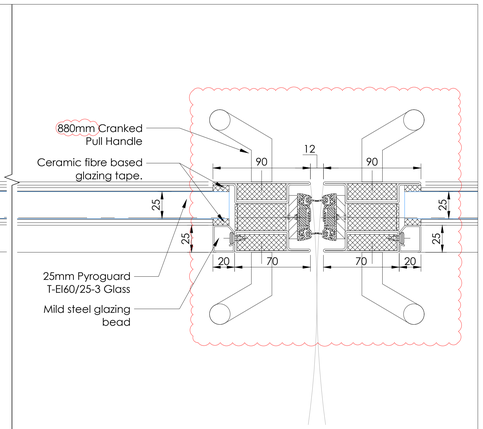
3 PLAN DETAIL
Seperation Post Scale 1:2



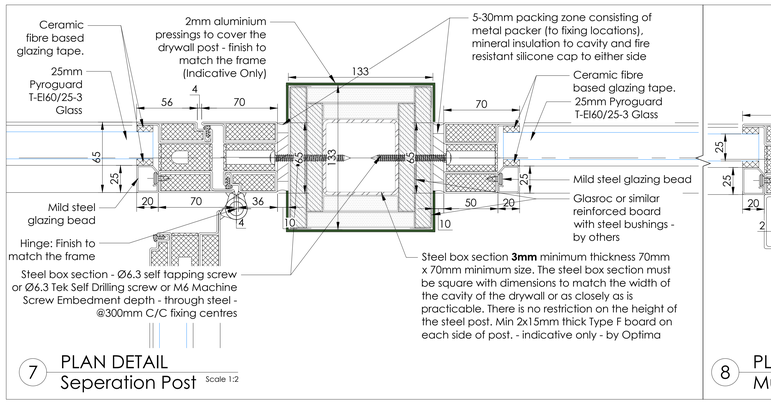
4 PLAN DETAIL
Hinge Scale 1:2



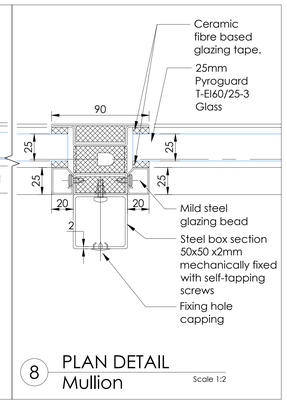
5 PLAN DETAIL
Shoreditch Bar Scale 1:2



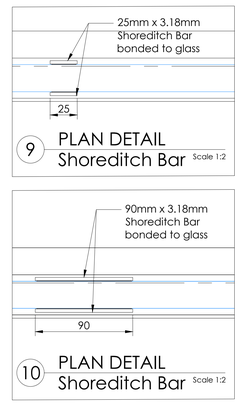
6 PLAN DETAIL
Meeting Stile Scale 1:2



7 PLAN DETAIL
Seperation Post Scale 1:2

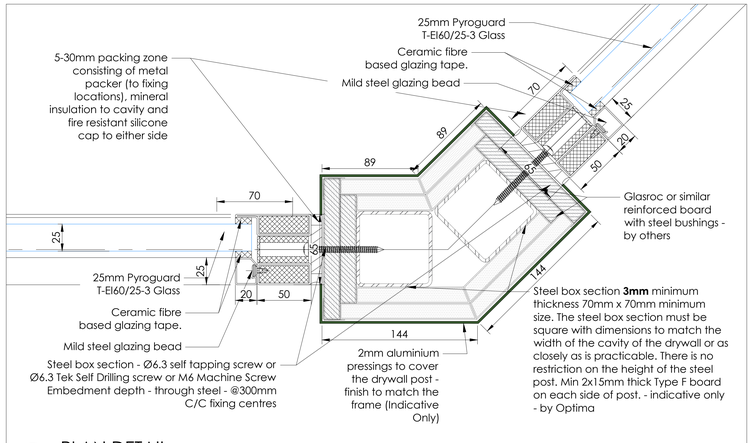


8 PLAN DETAIL
Mullion Scale 1:2

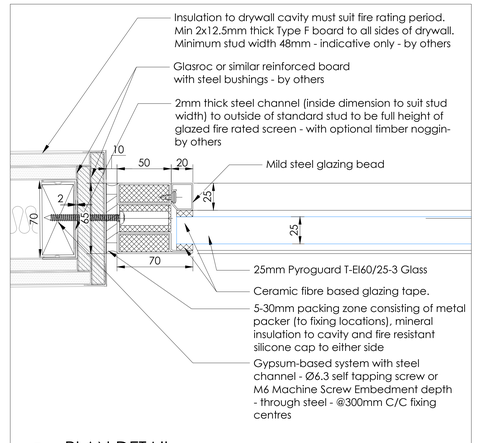


9 PLAN DETAIL
Shoreditch Bar Scale 1:2

10 PLAN DETAIL
Shoreditch Bar Scale 1:2



11 PLAN DETAIL
Seperation Post Scale 1:2



12 PLAN DETAIL
Wall Abutment Scale 1:2

Safety Health & Environmental Information Box

Construction Risks

This project uses only materials that have been used in this manner before. From a Designers viewpoint.
Optima do not envisage any specific Construction issues to communicate.

Maintenance / Cleaning Risks

Optima, in the main, provide office partitioning. The components (specifically the glass are tested to the relevant national or international standards of the day). As such CLEANING and MAINTENANCE of this product reveal no specific risks. However, Optima would point out that all persons involved with maintenance and cleaning should themselves be subject to their own employer's specific risk assessment process. Special care should be taken if working at height. In such cases the regulations of the day apply. Optima do not recommend any loadings against its products.

Demolition / Adaptation Risks

From the viewpoint of a Designer, Optima have identified no significant risks for demolition and adaptation.
However, the usual risk assessments are presumed as implemented by the company proposing demolition and/or adaptation.

Environmental / Recycling

Much of the Optima range of project is relocate- able. See original terms and conditions for clarification.
Environmental issues are subject to the law of the day.

In addition to the hazards / risks normally associated with the types of work detailed on this drawing take note of the above.
It is assumed that all works on this drawing will be carried out by a competent contractor working where appropriate, to an approved method statement.

CDM Communication Symbols

System with fire rating of 60/60

Fire Specification

Fire Rating

Partition	Door
60/60	60/60

Fire Certificate Reference

Partition	Door
CF5204 (Page 48)	*CF5204 (Page 48)*

Technical Guide Reference

Partition	Door
Page 211 (23.03.20)	*Page 211 (23.03.20)*

General Information Table

Type Reference	
Partition	Door
Technishield 65	*Technishield 65*
Floors	GF
Reference No.	
Partition No.	Door No.
IWS - 515	*D-00-07*
Acoustic Rating	
Partition	Door
Rw42dB Glass Only (Estimated Rw40dB)	*Rw30dB Max.*
Ironmongery Set Reference	*Cranked pull handle, power assist, door stops and hinges*
Framework Finish	
Partition	Door
RAL 6020	RAL 6020
Door Leaf Finish	RAL 6020/Glass
Trim finish	RAL 6020
Deflection	N/A
Structural Loads	1.5kN/m line load (screens only)
Glass Specification	
Partition	Door
25mm Pyroguard T-EI60/25-3 Glass	25mm Pyroguard T-EI60/25-3 Glass
Glass Edge Cover	*15mm minimum*
Manifestation	Post K Manifestation BY OTHERS (Indicative Only)

Please Note:

All measurements to be taken from site prior to manufacture.

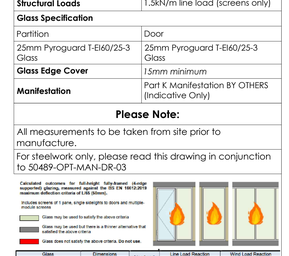
For steelwork only, please read this drawing in conjunction to 50489-OPT-MAN-DR-03

Calculated outcomes for full-height fully-framed, single supported glazing, measured against the BS EN 16612:2019 maximum deflection criteria of L/60 (16mm).

Includes screens of 1 pane, single sidelights to doors and multiple-mullion screens.

- Glass may be used to satisfy the above criteria
- Glass may be used but there is a thinner alternative that satisfies the above criteria
- Glass does not satisfy the above criteria. Do not use.

Glass Type	Thickness (mm)	Panel Height (mm)	Panel Width (mm)	Line Load (N/m)	1 Line Load Short Term Deflection (mm)	1 Line Load Short Term Stress (N/mm²)	Point Load Short Term Deflection (mm)	Point Load Short Term Stress (N/mm²)
T-EI60/25-3	25mm	2500	x 1500	1500	4.38	9.93	0.85	1.94
T-EI60/25-3	25mm	2600	x 1500	1500	4.48	10.13	0.87	1.97
T-EI60/25-3	25mm	2700	x 1500	1500	4.54	10.30	0.88	2.00



Rev	Date	Description	Dr	App	Ck
C02	06.08.24	Amended handles as per latest ironmongery type	NK	AMc	RH
C01	26.07.24	Amended as per comments	NK	AMc	OC/CM
P03	02.07.24	Amended as per comments	NK	AMc	ACR
P02	18.06.24	Status C - Amended as per comments	NK	AMc	RH
P01	24.05.24	First Issue	NK	AMc	RH

GA Reference Colour:

Status:
For Construction

Optima

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Web: www.optimasystems.com

Project Number:
50489

Project Name:
Sunlight House Refurbishment, Manchester

Title:
Technishield 65
60/60 FR NR Double Leaf Door, Screens with Mullions and Overpanels

Scale @ A0:	Drawing No.:	Revision:
1:2/1:20	50489-OPN-ZZ-GF-DR-X-0009	C02

A0 Layout (1189mm x 841mm)