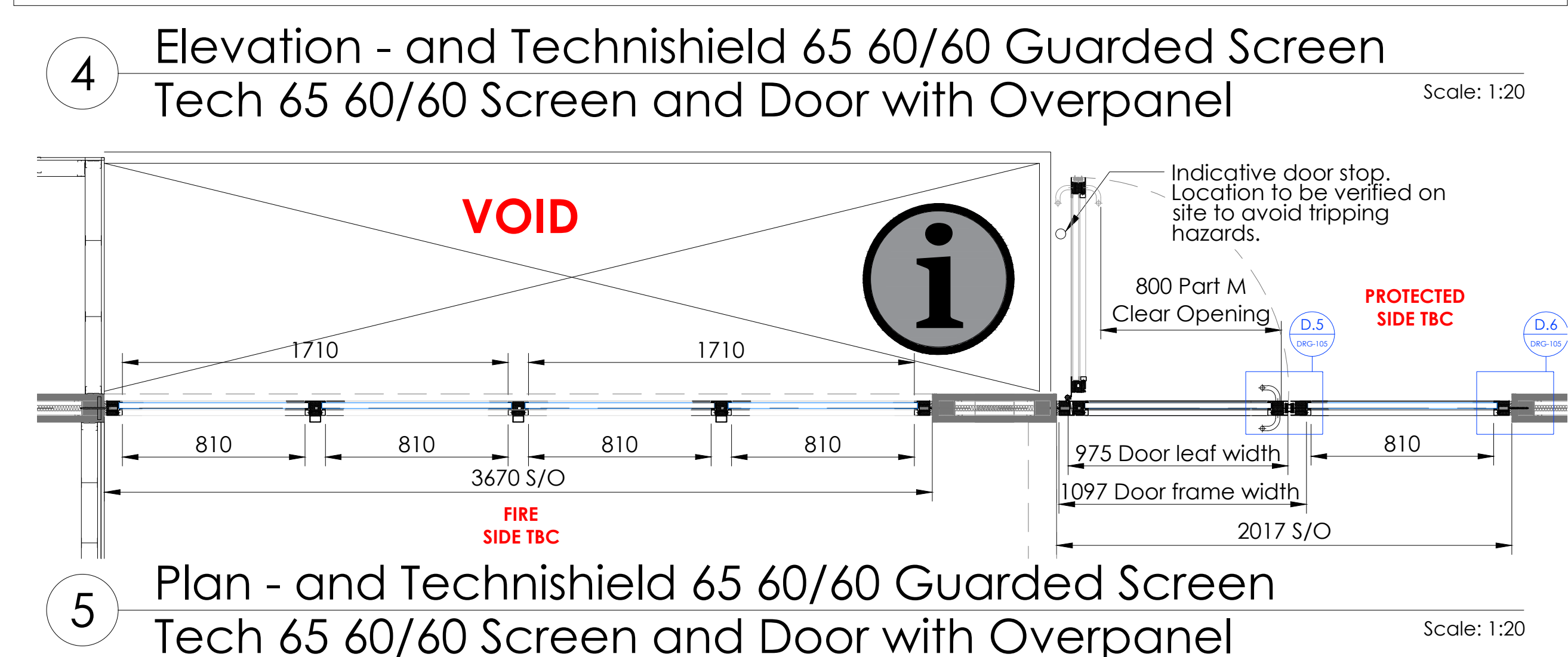
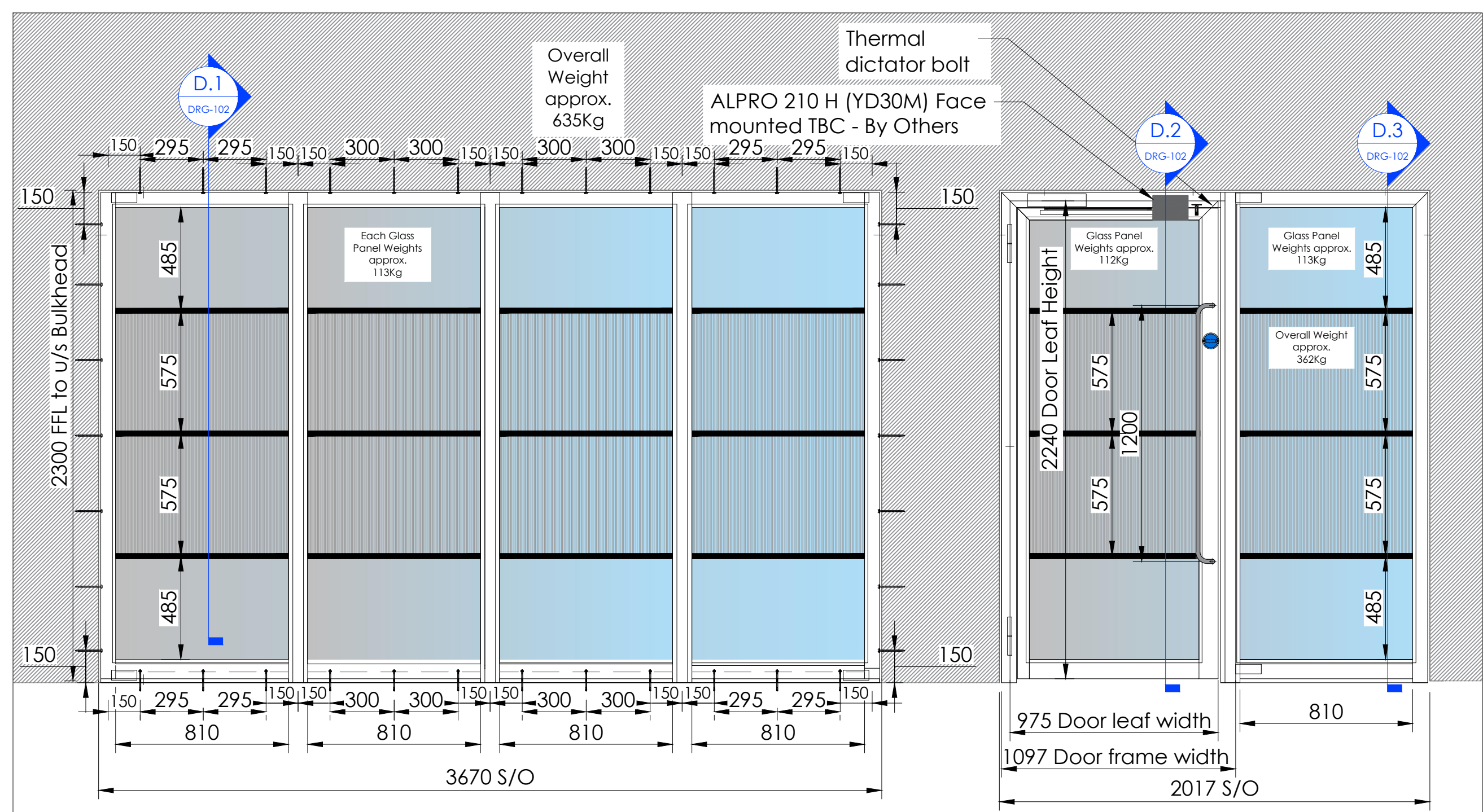
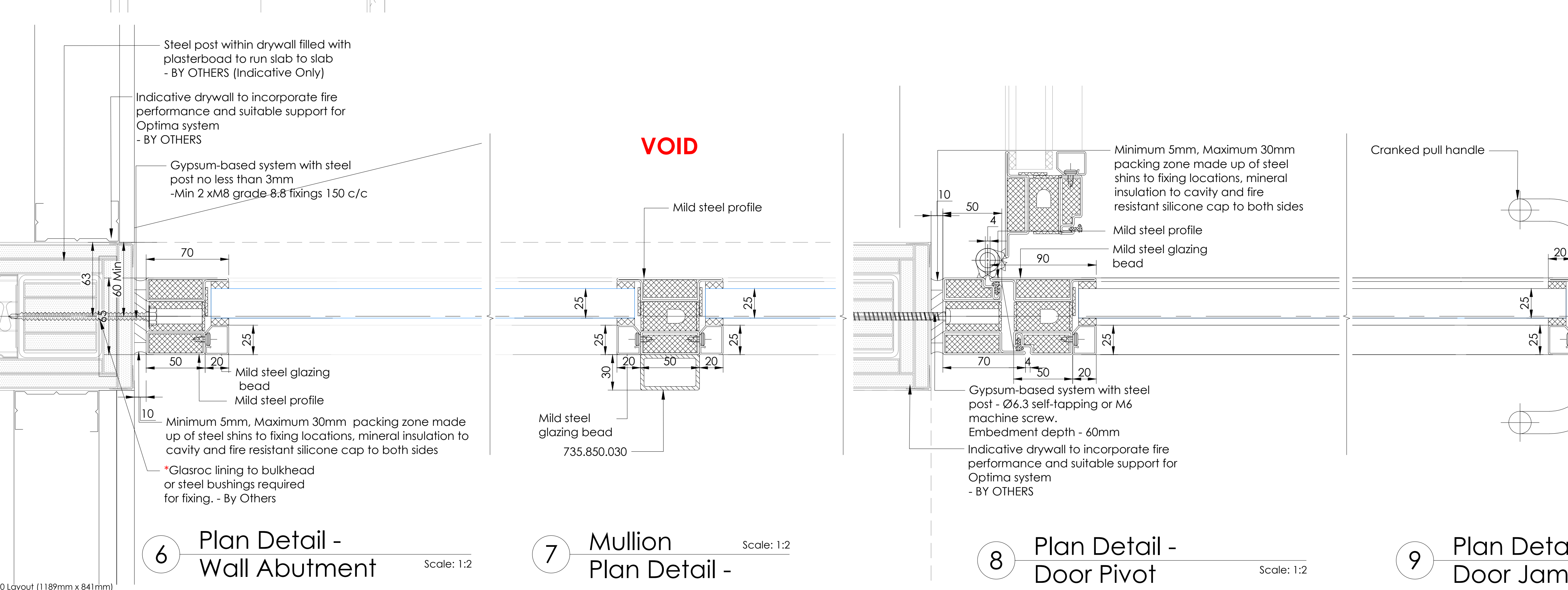
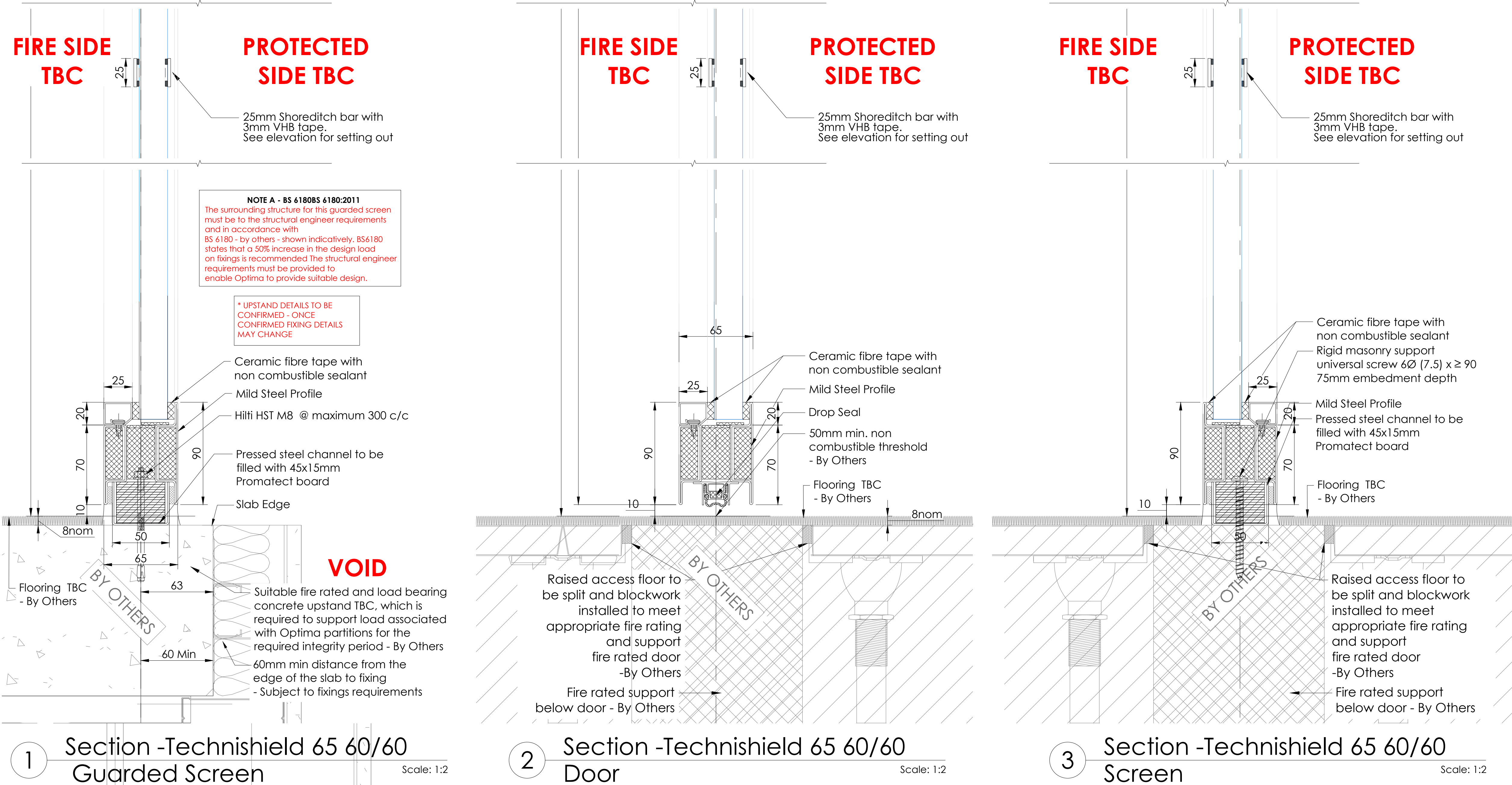
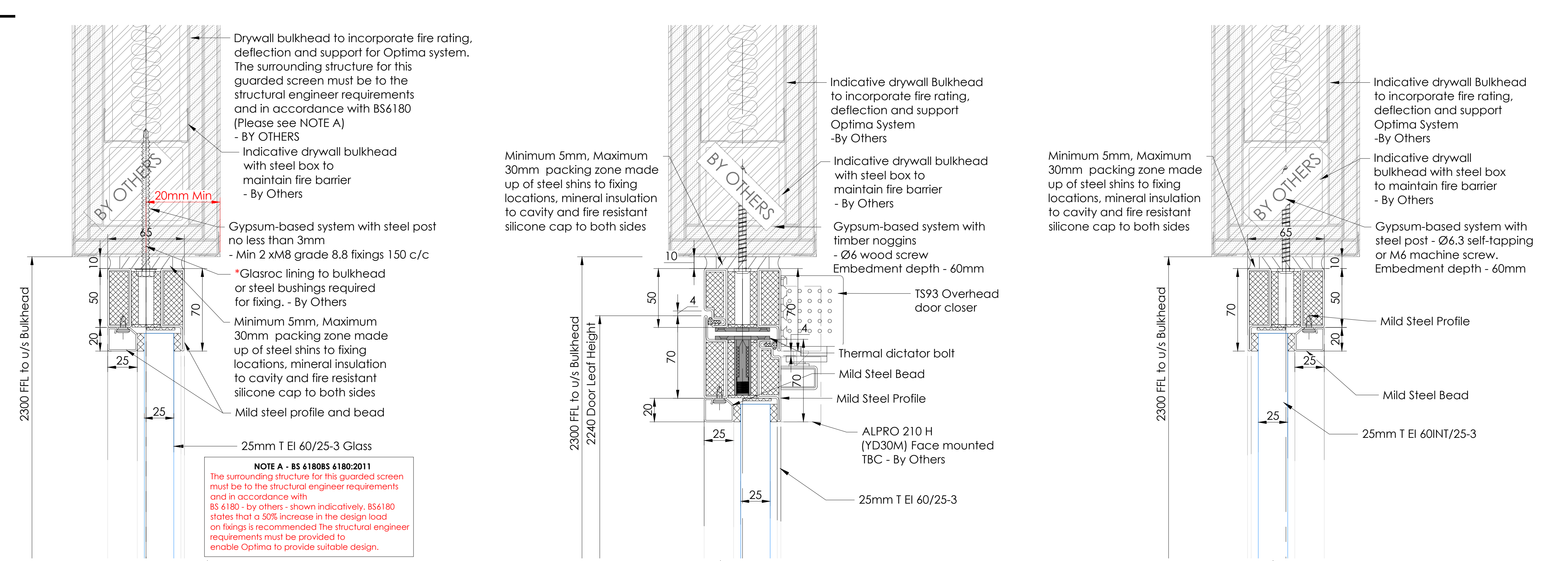
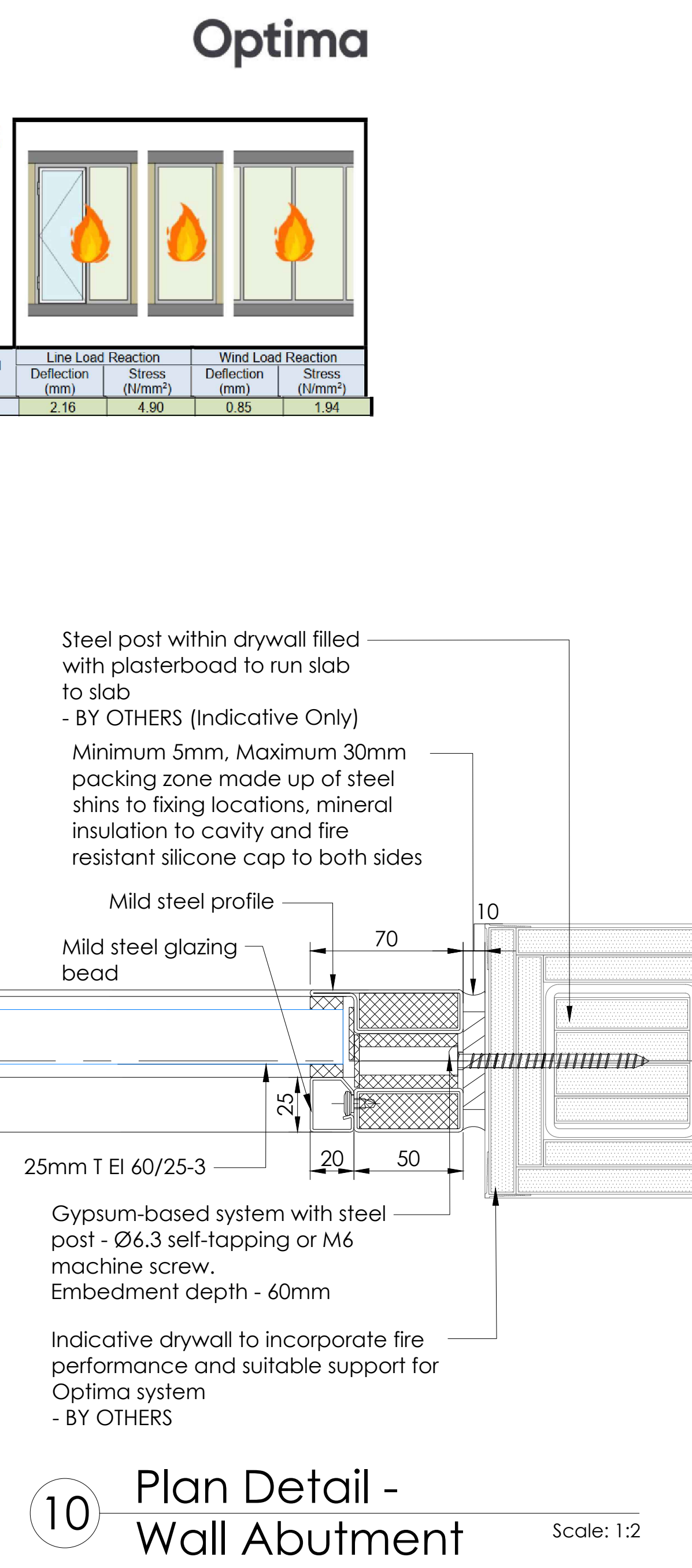


Calculated outcomes for full-height fully-framed (4-edge supported) glazing, measured against the BS EN 16612:2019 maximum deflection criteria of L/65 (50mm).

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

	Glass may be used to satisfy the above criteria
	Glass may be used but there is a thinner alternative that satisfied the above criteria

Glass		Dimensions		Line Load (N/m)	Line Load Reaction		Wind Load Reaction	
Type	Thickness (mm)	Height (mm)	Width (mm)		Deflection (mm)	Stress (N/mm ²)	Deflection (mm)	Stress (N/mm ²)
T E160/25.3	25mm	2500	≤ 1500	740	2.16	4.90	0.85	1.94



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 at 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.

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	
	Please note this is a fire rated and guarded screen.

Fire Specification	
Fire Rating	
Partition	Door
	

Fire Certificate Reference	
Partition	Door
CF5204	CF5204 Pg. 51-52

Technical Guide Reference	
Partition	Door
Page 181	Page 187

General Information Table	
Type Reference	
Partition	Door
Technishield 65 60/60	Technishield 65 60/60
Floors	04, 06, 08 and 10

Reference No.	
Partition No.	Door No.
Guarded - S.04.01, S.06.01, S.08.01, S.10.01	D.04.01, D.06.01, D.08.XX, D.10.XX
Non Guarded - S.04.02, S.06.02, S.08.02, S.10.XX	
Acoustic Rating	

Partition	Door
Rw40dB	Rw30dB estimate
Ironmongery Set Reference	SSS Cranked pull handle and door stop

Framework Finish	
Partition	Door
RAL 9011	RAL 9011

Door Leaf Finish	Glass
Trim finish	RAL 9011
Deflection	NA
Structural Loads	0.74kN with guarding

Glass Specification	
Partition	Door
25mm T EI 60/25-3	25mm T EI 60/25-3

Manifestation	25mm Shoredith bars and reeded film
Please Note	
All the following are subject to change without notice.	

Opening Forces Statement

Due to external factors such as internal wind pressures, air

conditioning and heating etc, the Approved Document M compliant opening forces cannot be guaranteed for installed doors fitted with a self-closing device. The Design Team / Client may wish to consider additional measure to ensure compliance.

02	06.07.22	RAL colour updated as per comments	OC		AA
01	28.06.22	s/o height, bar heights and details updated as per comments	OC	AM	AA

U	14.06.22	first issue	UL	AM	AR
Rev	Date	Description	Dr	App	Ck
GA Reference Colour:					

Status: For Approval

Optima

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PART OF THE OPTIMA GROUP Project Number:	OPN202130
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Project Name:	40-46 Princess Street
Title:	Technishield 65 60/60 Guarded Screen &

Technishield 65 60/60 Door with Side Screen Shoreditch Edition		
Scale @ A0:	Drawing No.:	Revision:

1:2/1:20	OPT-DRG-102	02
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