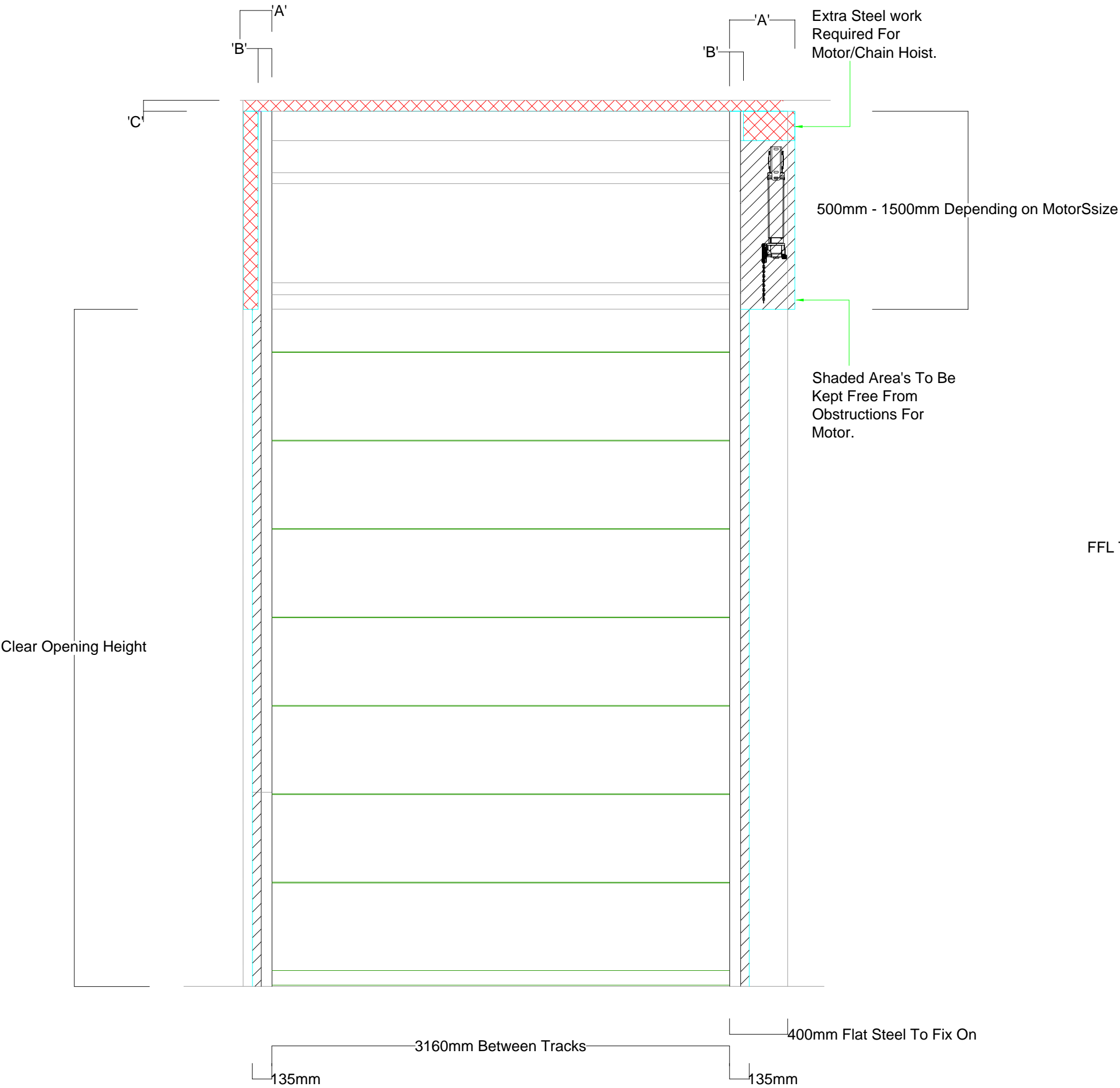
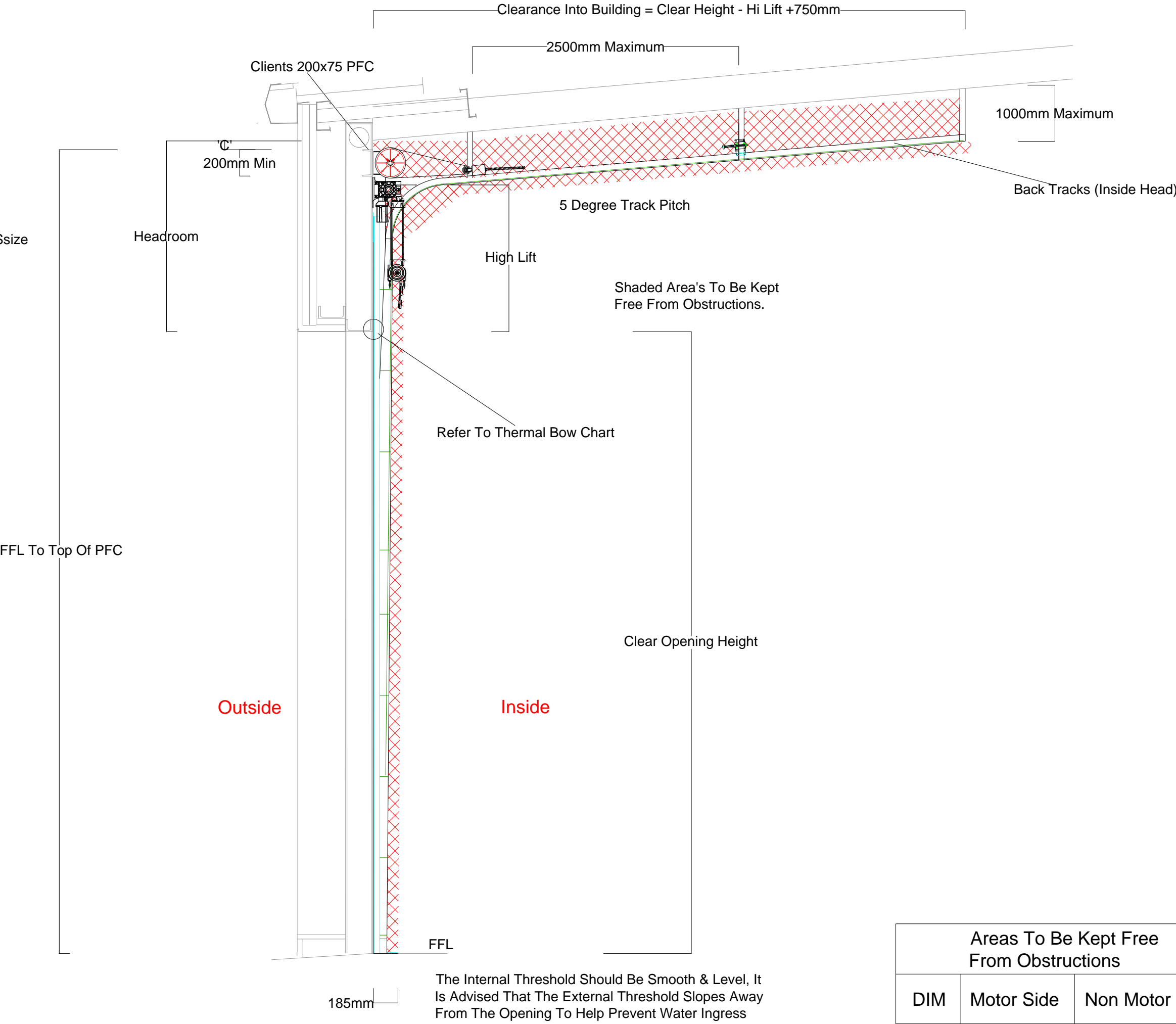


Viewed From Inside



Section Through



Plan

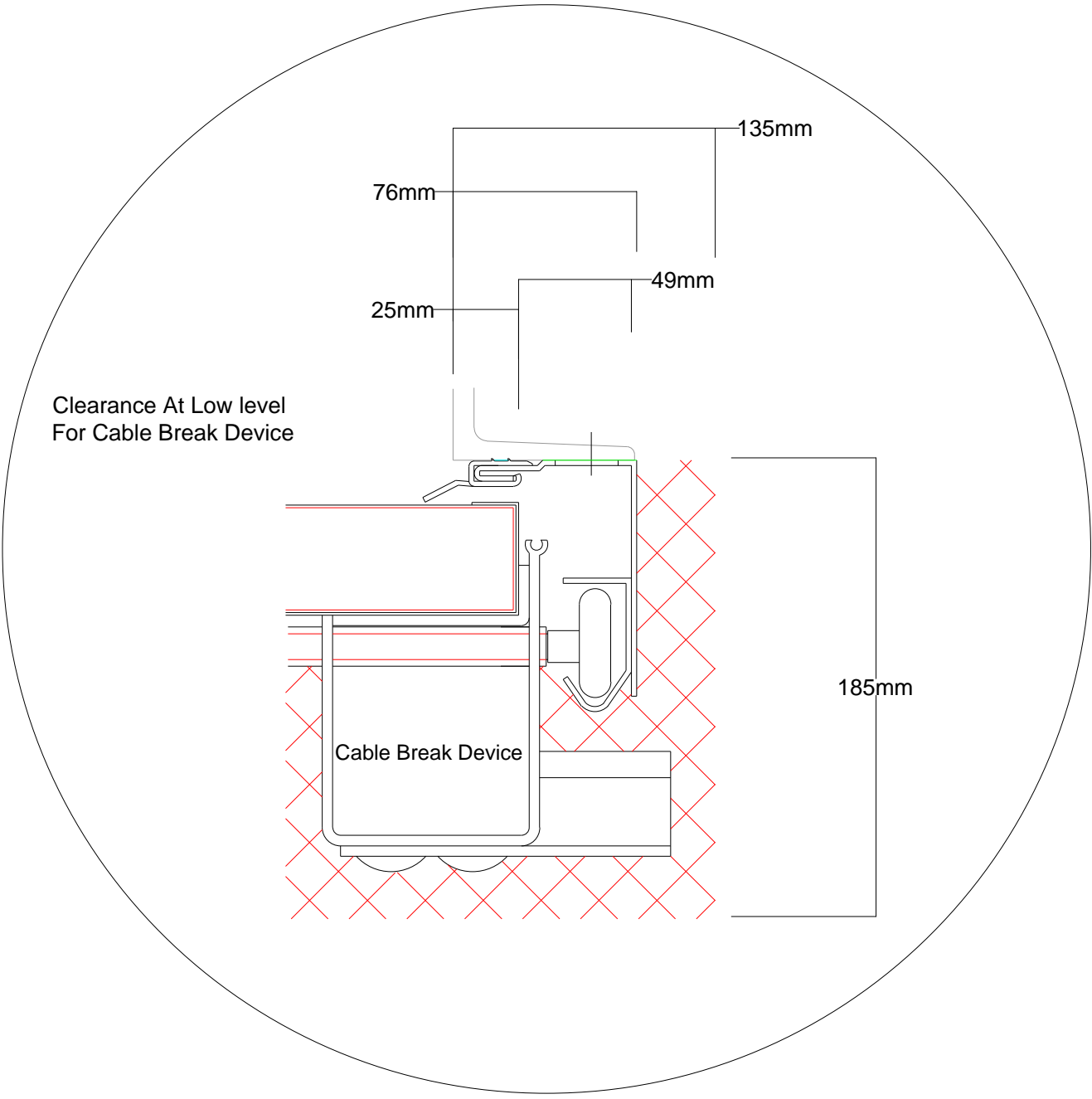
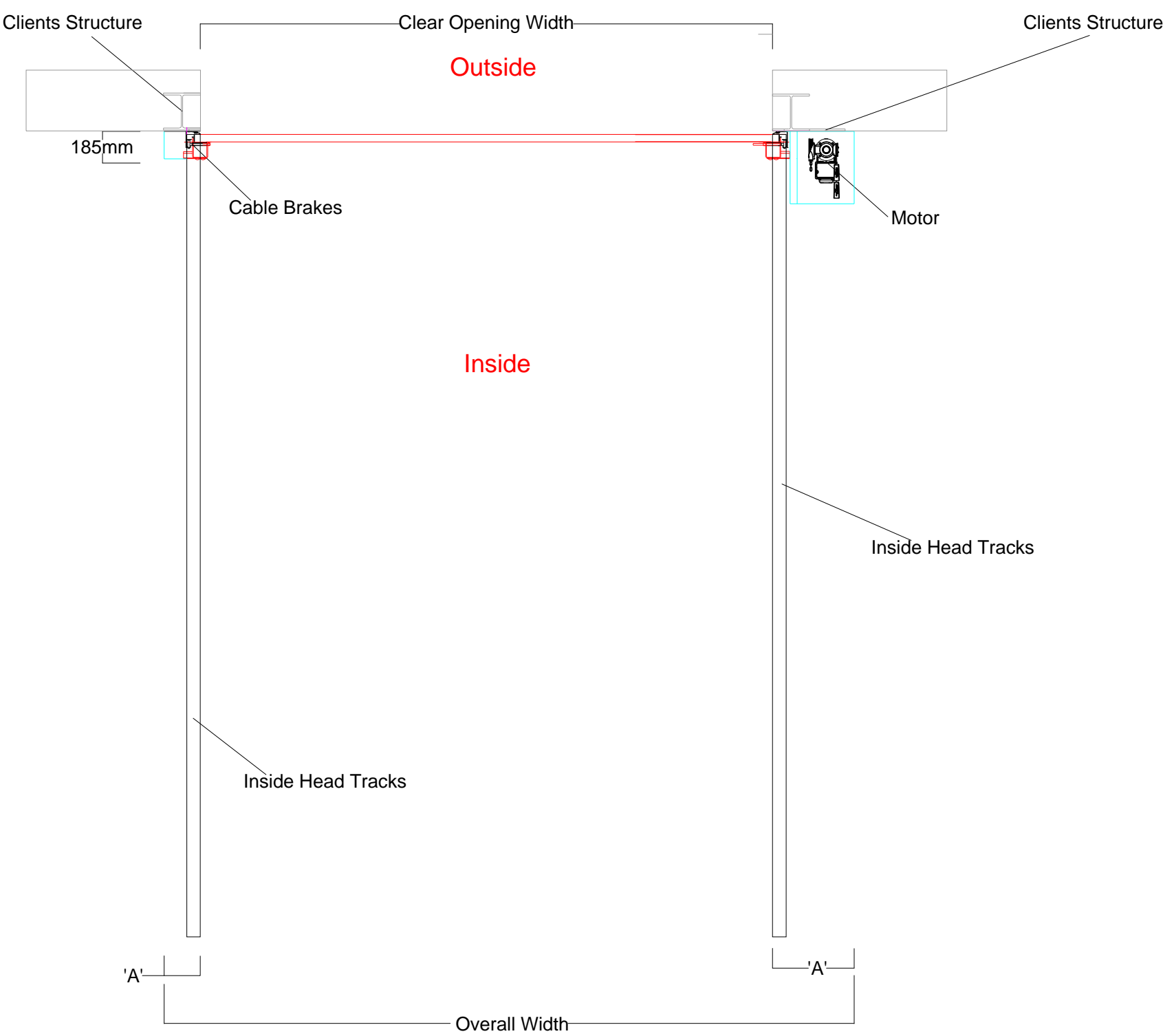


Table Of Estimated Thermal Bow - 40mm Thick Standard Panel								
Temperature Difference (°C)	Span (mm)							
	3000	3500	4000	4500	5000	5500	6000	
-50	-17	-23	-30	-38	-47	-57	-68	
-40	-14	-18	-24	-30	-38	-45	-54	
-30	-10	-14	-18	-23	-28	-34	-41	
-20	-7	-10	-14	-18	-23	-28	-34	
-10	-4	-6	-8	-10	-13	-16	-20	
0	0	0	0	0	0	0	0	
10	4	6	8	10	13	16	20	
20	7	10	14	18	23	28	34	
30	10	14	18	23	28	34	41	
40	14	18	24	30	38	45	54	
50	17	23	30	38	47	57	68	
60	20	28	36	46	56	68	81	
80	27	37	48	61	75	91	108	

The Table Does Not Allow For Any Tolerance Or Clearance The Table Assumes There are No Stiffeners Used. Panel Thickness is 40mm

Thermal Bow Should be taken Into Account When Allowing For Header Clearances, Especially Dark Colours & Wide Spans

Please Specify If You Wish For Extra Bracing Bars To Be Supplied For Upper Panels, To Assist Against Thermal Bowing. HAG Ltd Will Not Be Responsible For Thermal Bow

Areas To Be Kept Free From Obstructions		
DIM	Motor Side	Non Motor Side
'A'	450mm	200mm

Extra Steel Work DIMS For Motor/Chain Hoist	
DIM	
'A'	250mm

DIM 'B' Face Fixing Cable Drum Bearing Cable Plate	
High-Lift	DIM 'B'
500mm	125mm
1000mm	120mm
1500mm	115mm
2000mm	110mm
2500mm	105mm
3000mm	100mm
3500mm	95mm
4000mm	90mm

Minimum Clearance 'C'		
Max Height	Max Hi-Lift	DIM 'C'
4570mm	1370mm	65mm
5000mm	3000mm	65mm
6000mm	4000mm	100mm

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THE DOOR SPECIALISTS

HAG, 1 OAK LANE, FISHPONDS, BRISTOL BS5 7UY.
TEL 0117 9654 888
EMAIL INFO@HAG.CO.UK

Product Ref: SDoor Sectional Overhead Door
Operation: Single Or Three Phase Motor
Fixing: Face Fixed
Finish: Plastisol/Overpaint To Standard RAL
Externally & RAL 9010 White Stucco Finish
Internally
Top Track: High Lift Tracks
Vision: Windows Available As Extra

Notes:
Full Width Of The Shutter Is Required For Maintenance

Scale: NTS

Disclamier

HAG operates a policy of continuous improvements, product specification may change, and it is advisable to consult with HAG technical advisors Before specifying or ordering. All Goods/Works/ Services are purchased/sold subject to HAG limited standard terms and conditions, which are available on request.

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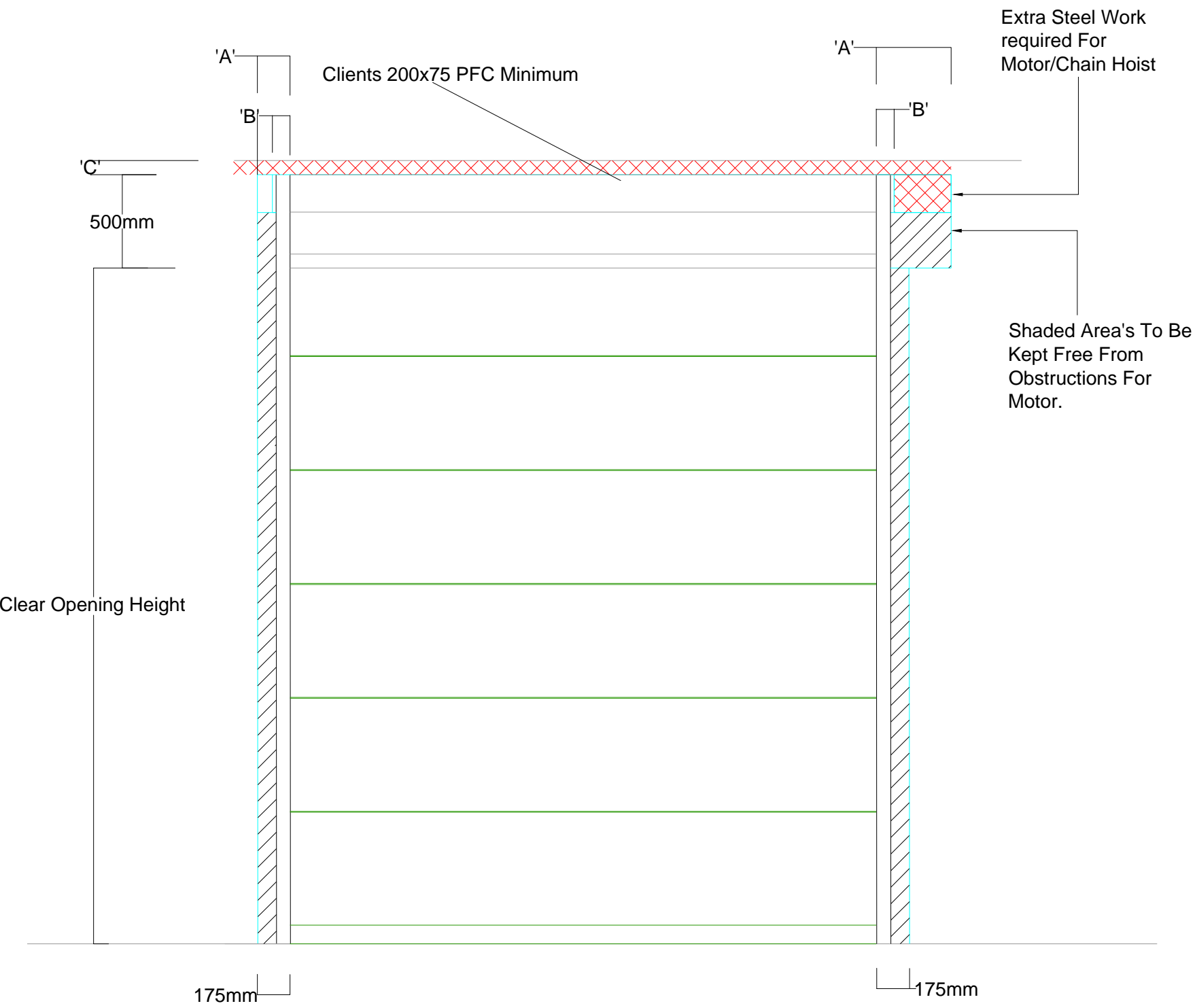
Date: 06/11/23

Door Type: HAG S-Door High Lift

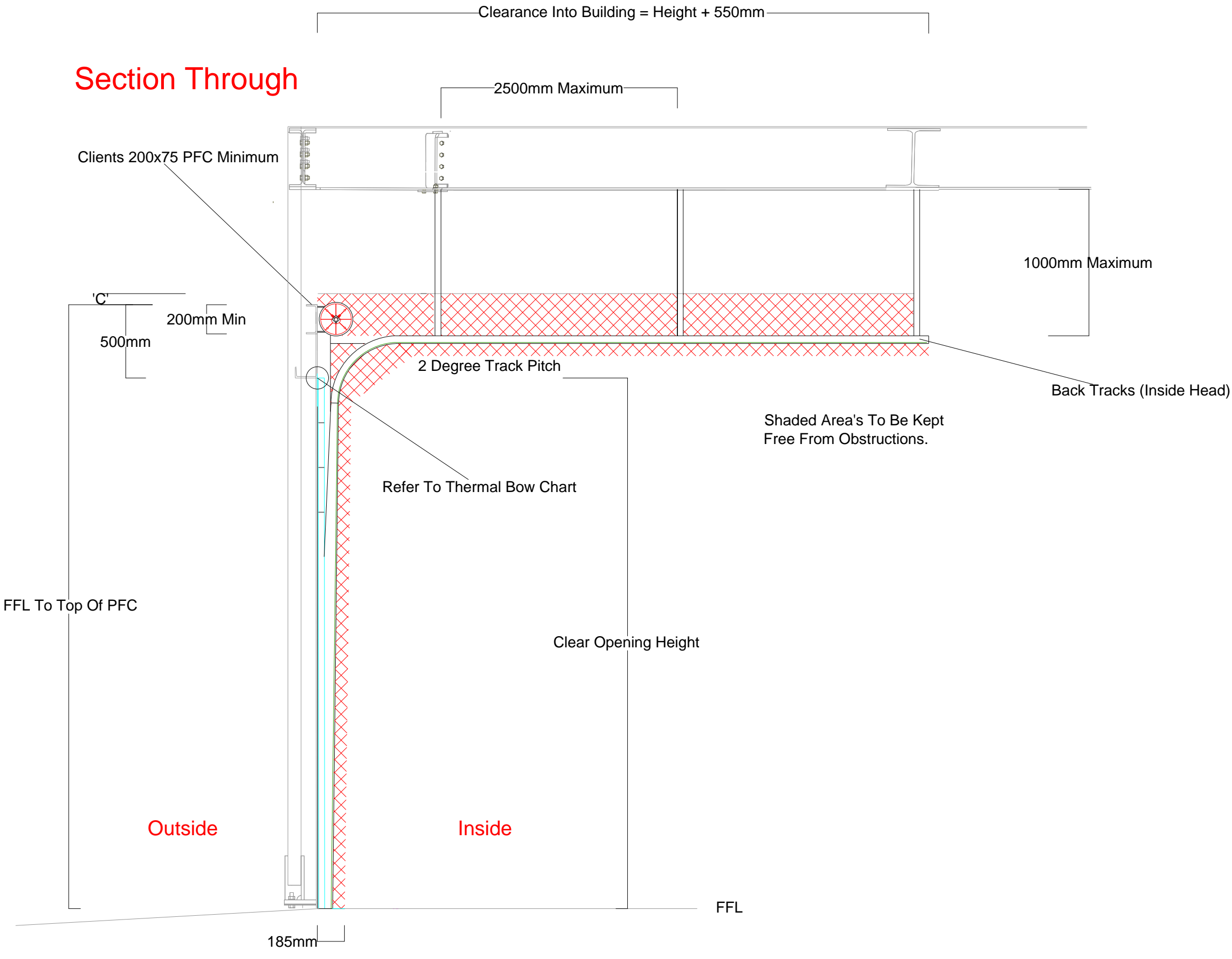
Drawing No: HAGSD3

Revision: .

Viewed From Inside



Section Through



The Internal Threshold Should Be Smooth & Level, It Is Advised That The External Threshold Slopes Away From The Opening To Help Prevent Water Ingress

Plan

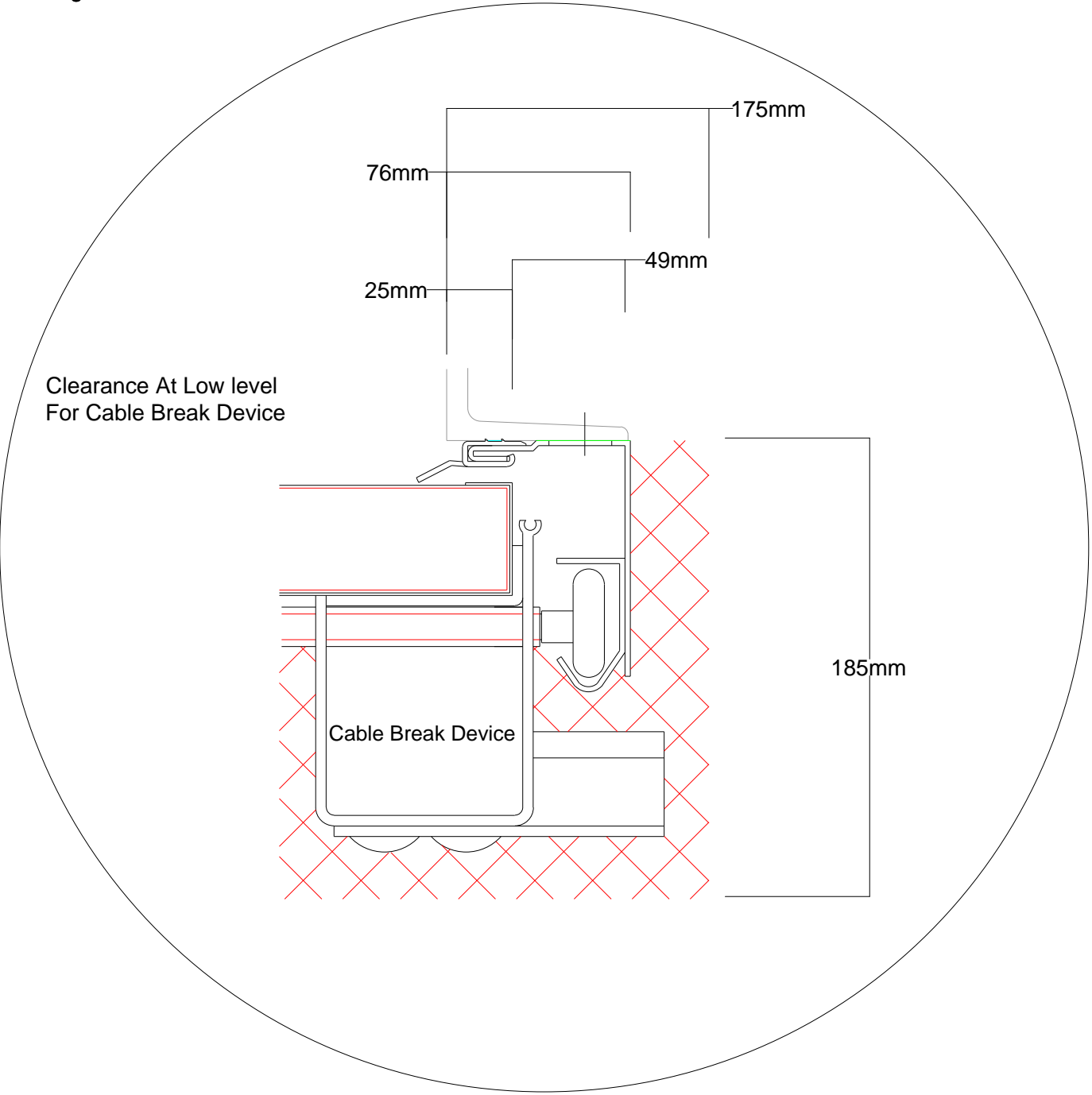
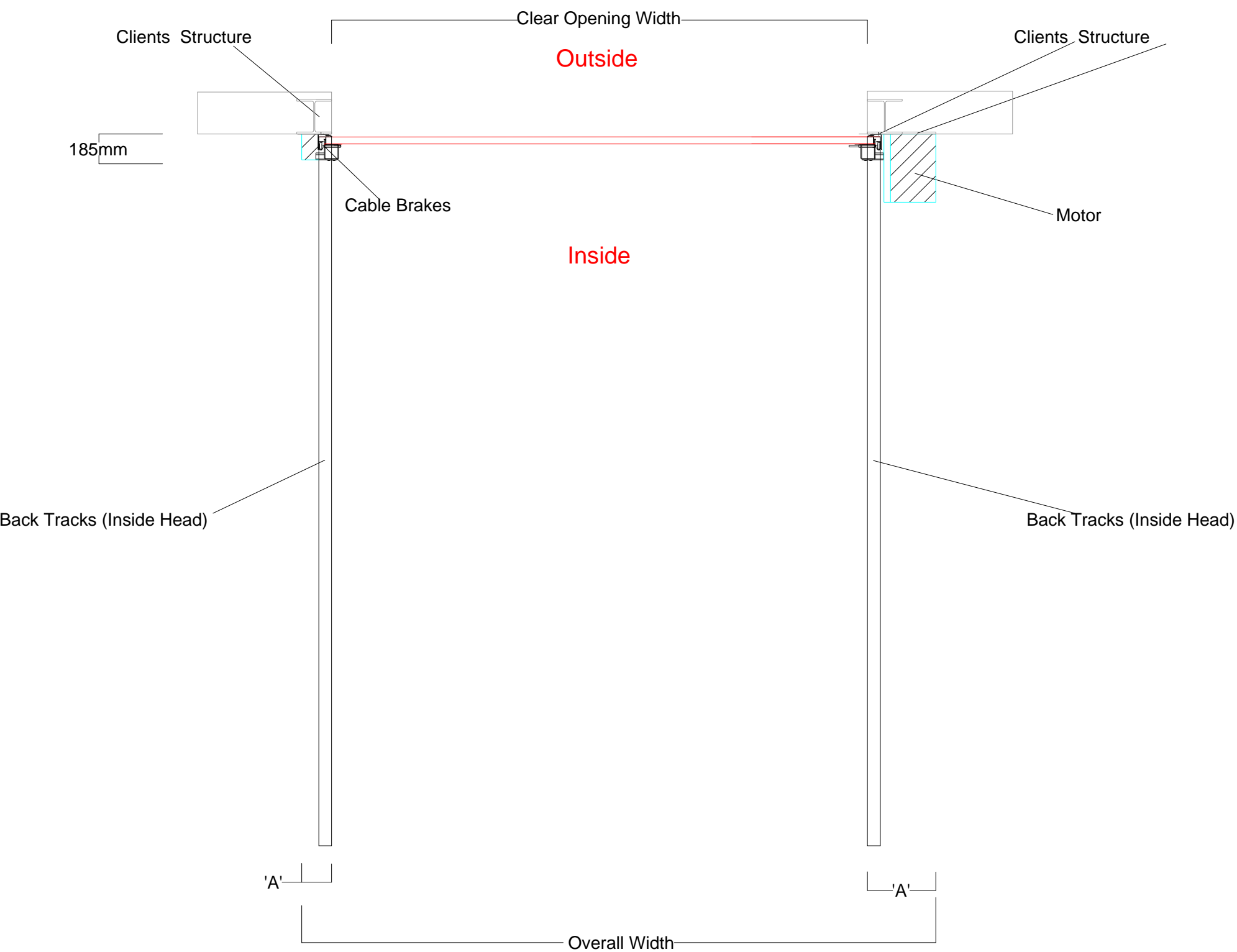


Table Of Estimated Thermal Bow - 40mm Thick Standard Panel								
Temperature Difference (°C)	Span (mm)							
	3000	3500	4000	4500	5000	5500	6000	
-50	-17	-23	-30	-38	-47	-57	-68	
-40	-14	-18	-24	-30	-38	-45	-54	
-30	-10	-14	-18	-23	-28	-34	-41	
30	10	14	18	23	28	34	41	
40	14	18	24	30	38	45	54	
50	17	23	30	38	47	57	68	
60	20	28	36	46	56	68	81	
80	27	37	48	61	75	91	108	

The Table Does Not Allow For Any Tolerance Or Clearance The Table Assumes There are No Stiffeners Used. Panel Thickness is 40mm

Thermal Bow Should be taken Into Account When Allowing For Header Clearances, Especially Dark Colours & Wide Spans

If Lintel Is Flush With The Vertical Steel Work For The Tracks, Please Ensure That The Thermal Bow Of The Panels Is To Be Taken Into Consideration
Please Specify If You Wish For Extra Bracing Bars To Be Supplied For Upper Panels, To Assist Against Thermal Bowing. HAG Ltd Will Not Be Responsible For Thermal Bow

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THE DOOR SPECIALISTS

HAG, 1 OAK LANE, FISHPONDS,
BRISTOL BS5 7UY.
TEL 0117 9654 888
EMAIL INFO@HAG.CO.UK

Product Ref: SDoor Sectional Overhead Door
Operation: Chain Operated, Single Or Three Phase Motor
Fixing: Face Fixed
Finish: Plastisol/Overpaint To Standard RAL Externally & RAL 9010 White Stucco Finish Internally
Top Track: Std Lift Tracks
Vision: Windows Available As Extra
Personnel Door: Wicket Door Available A Extra

Notes:
Full Width Of The Shutter Is Required For Maintenance
Vertical & Spring Counterbalance Steel Work Must Be Plumb Vertical & Flush (Refer To Thermal Bow For The Lintel)

Scale: NTS

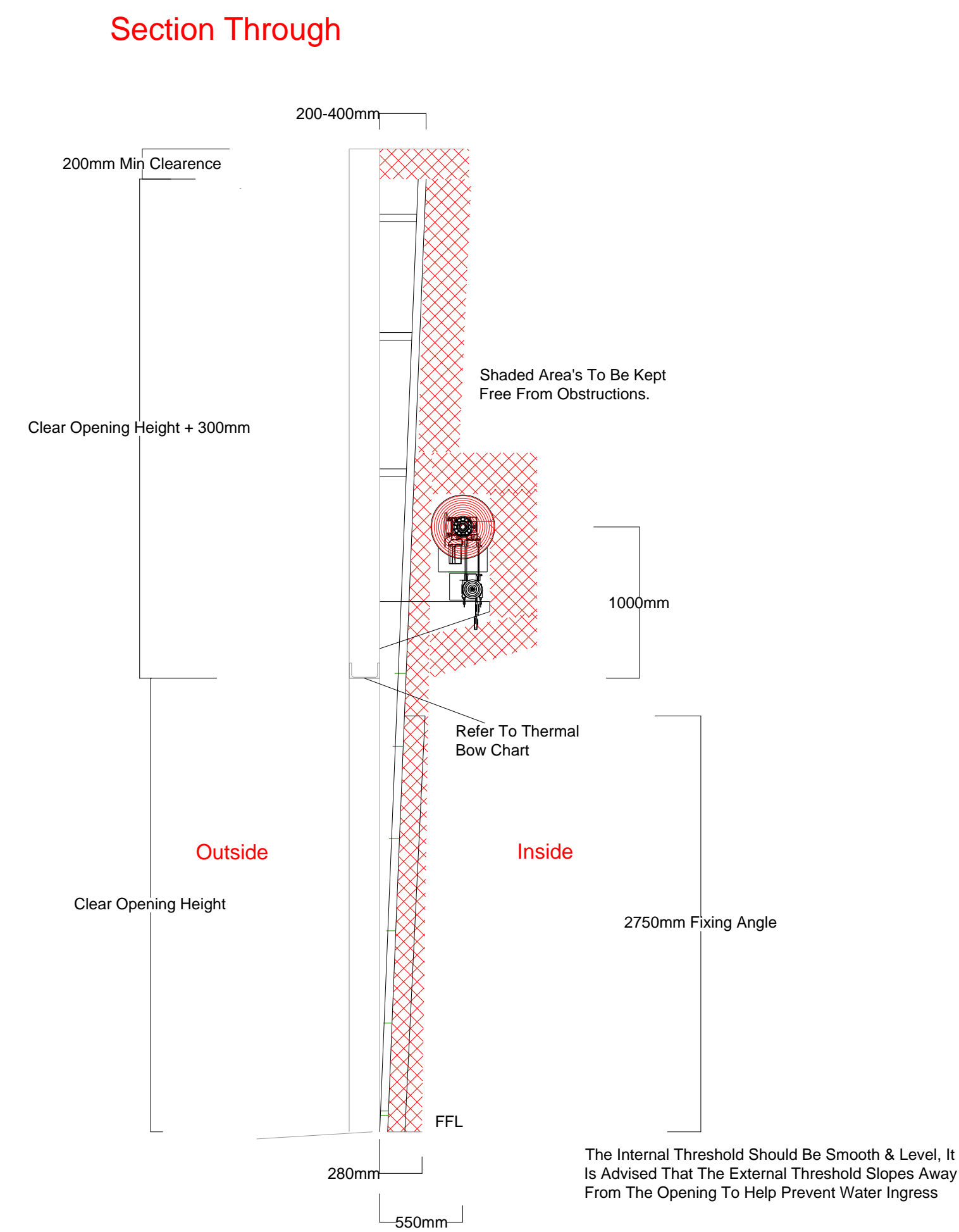
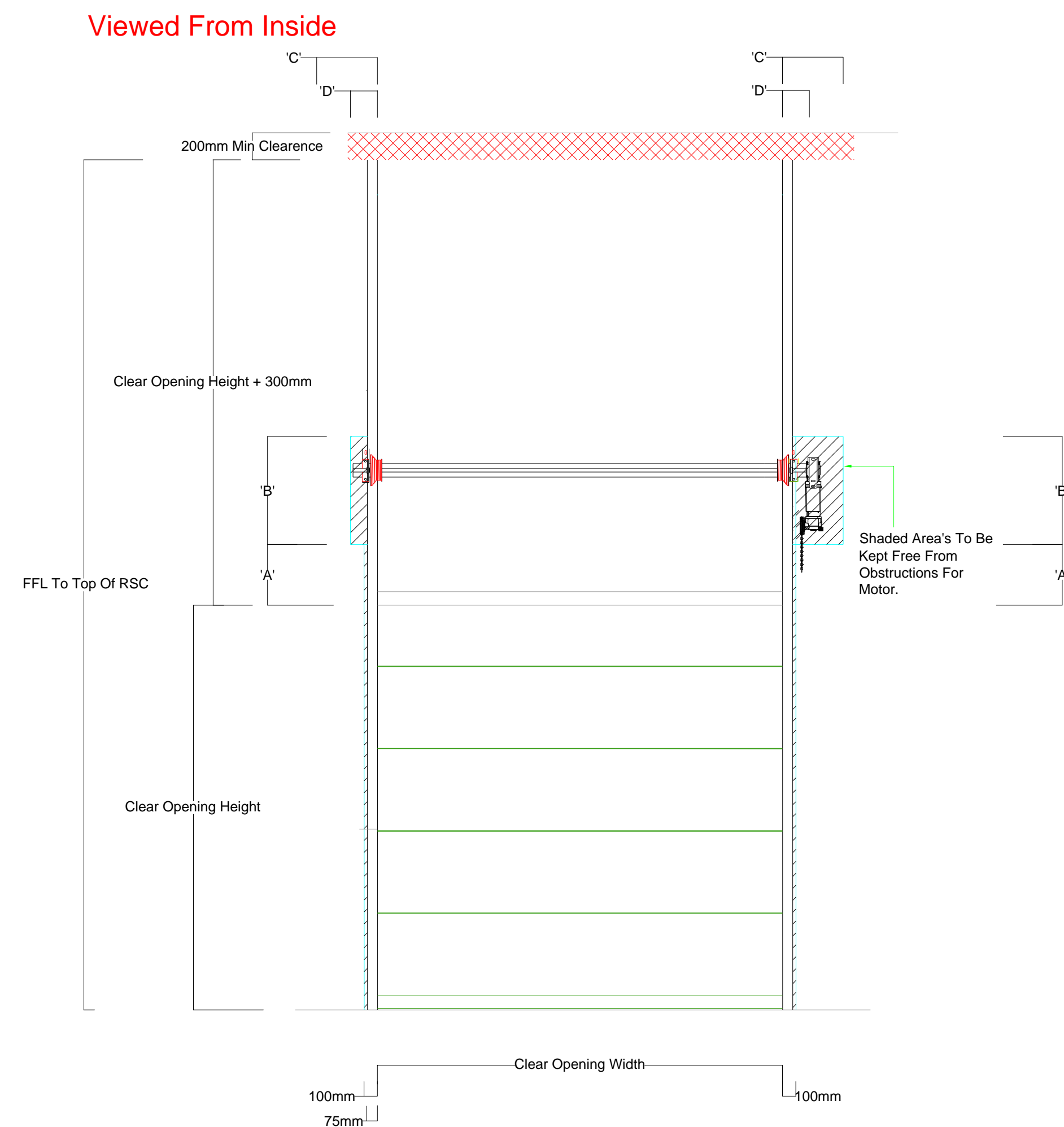
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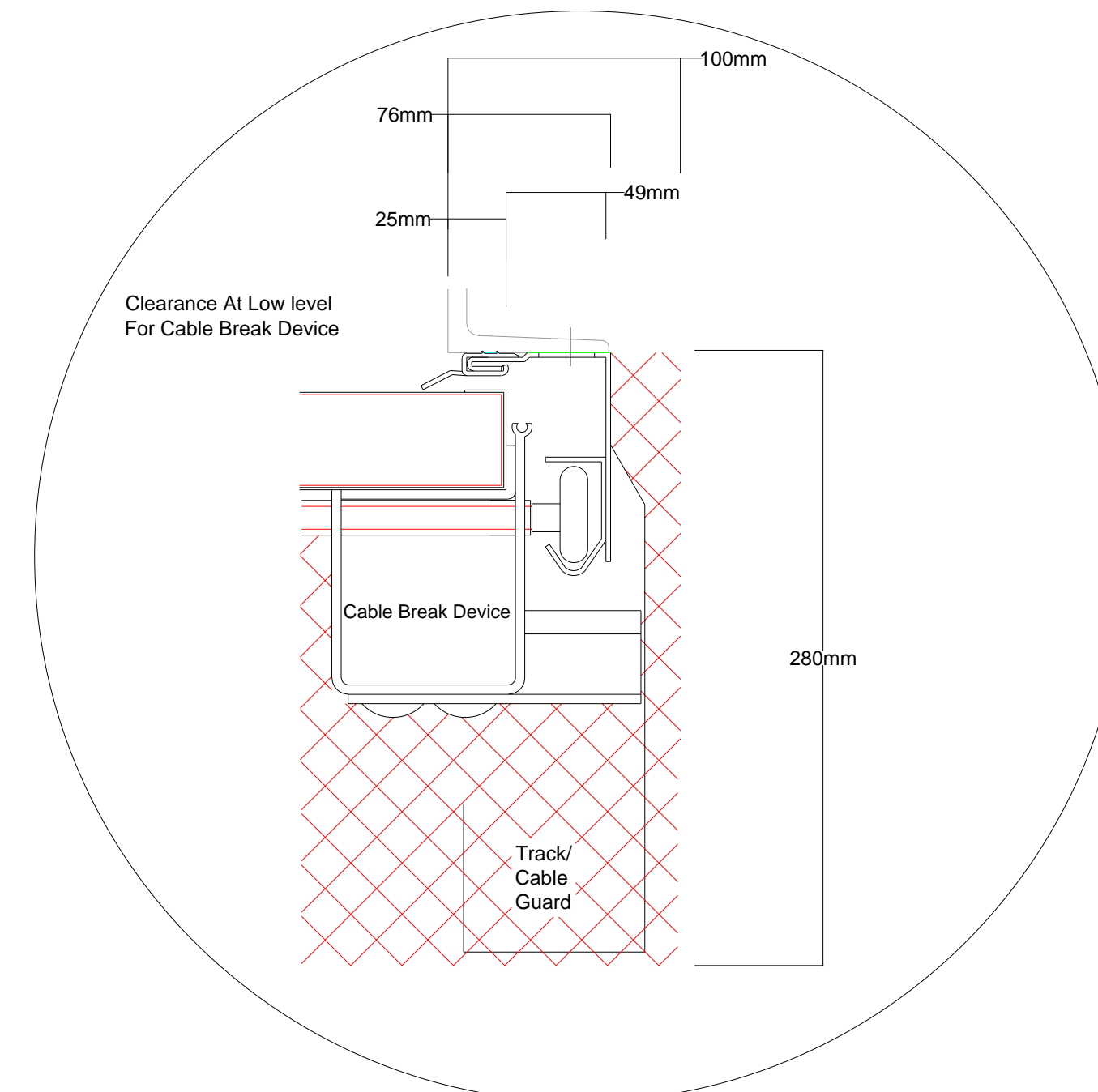
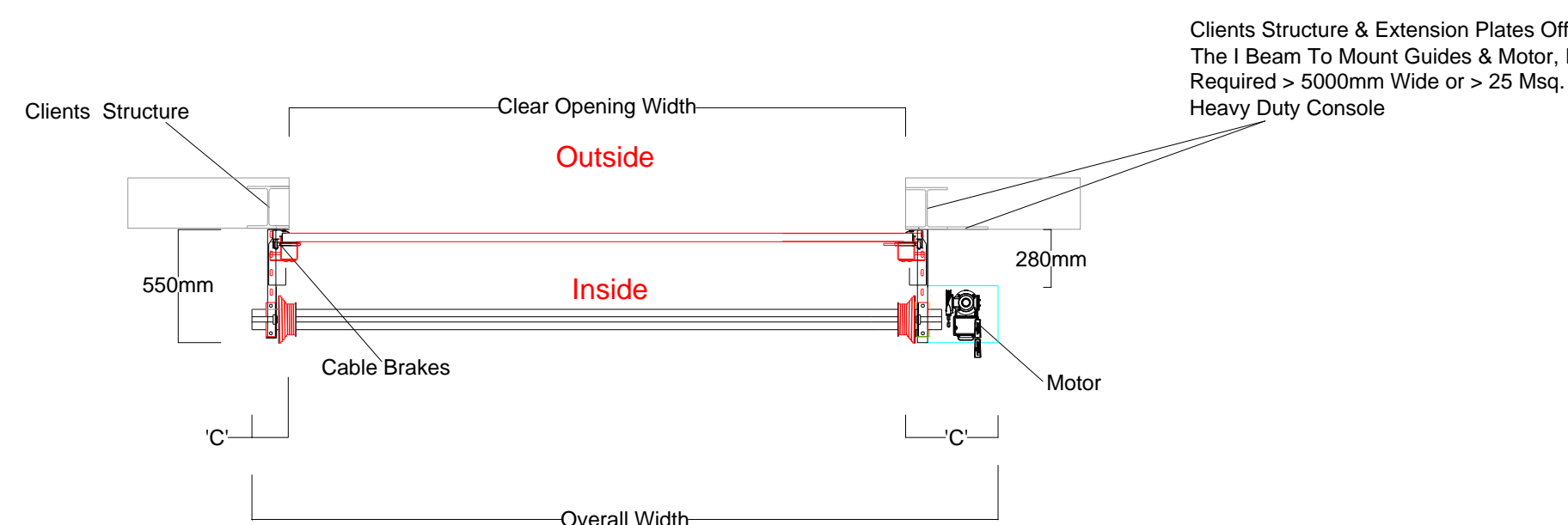
Date: 10/10/23 Door Type: HAG S-Door Standard Lift

Drawing No: HAGSD1

Revision: .



Plan



Areas To Be Kept Free From Obstructions		
DIM	Motor Side	Non Motor Side
'A'	400mm	450mm
'B'	800mm	800mm
'C'	450mm	175mm

Areas To Be Kept Free From Obstructions. Heavy Duty Consoles 5000mm Wide or 25Msq		
DIM	Motor Side	Non Motor Side
'A'	85mm	85mm
'B'	1150mm	1150mm
'C'	450mm	175mm

Extra Steel Work Dimensions For Heavy Duty Consoles		
DIM		
'A'	85mm	
'B'	925mm	
'C'	140mm	

Table Of Estimated Thermal Bow - 40mm Thick Standard Panel								The Table Does Not Allow For Any Tolerance Or Clearance The Table Assumes There are No Stiffeners Used. Panel Thickness is 40mm
Temperature Difference (°C)	Span (mm)							
	3000	3500	4000	4500	5000	5500	6000	
-50	-17	-23	-30	-38	-47	-57	-68	Thermal Bow Should be taken into Account When Allowing For Header Clearances, Especially Dark Colours & Wide Spans
-40	-14	-18	-24	-30	-38	-45	-54	
-30	-10	-14	-18	-23	-28	-34	-41	
30	10	14	18	23	28	34	41	
40	14	18	24	30	38	45	54	
50	17	23	30	38	47	57	68	
60	20	28	36	46	56	68	81	
80	27	37	48	61	75	91	108	
'L' Indicates Colder Outside								

If Lintel Is Flush With The Vertical Steel Work For The Tracks, Please Ensure That The Thermal Bow Of The Panels Is To Be Taken Into Consideration
Please Specify If You Wish For Extra Bracing Bars To Be Supplied For Upper Panels, To Assist Against Thermal Bowing. HAG Ltd Will Not Be Responsible For Thermal Bow

HAG
THE DOOR SPECIALISTS

HAG, 1 OAK LANE, FISHPONDS,
BRISTOL BS5 7UY.
TEL 0117 9654 888
EMAIL INFO@HAG.CO.UK

Product Ref: SDoor Sectional Overhead Door
Operation: Single Or Three Phase Motor
Fixing: Face Fixed
Finish: Plastisol/Overpaint To Standard RAL Externally & RAL 9010 White Stucco Finish Internally
Top Track: Vertical Lift Tracks C/W Low Level Console
Vision: Windows Available As Extra

Notes:
Full Width Of The Shutter Is Required For Maintenance

Scale: NTS

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Date: 07/11/23

Door Type: HAG S-Door Vertical Lift

Drawing No: HAGSD2

Revision: .