

# SCS PROJECT - FS4

## FIBERSHIELD 4



### ATTENTION: TECHNICAL REQUIREMENTS FOR THIS PROJECT



No	DESCRIPTION	REQUIREMENT	RESPONSIBILITY
1	WORKS DONE BY OTHERS	ALL DETAILS PERTAINING TO WORK BY OTHERS IS AN ADVISEMENT ONLY AND IT IS THE RESPONSIBILITY OF THE SUPPLIER AND INSTALLER OF THE ITEM/S TO CONFIRM COMPLIANCE TO ITS SUITABILITY FOR THE PURPOSE AND TO CERTIFY ITS COMPLIANCE TO THE REQUIRED FRL TO THE SATISFACTION OF THE FE OR CERTIFIER.	BUILDER, ARCHITECT, OTHER TRADES
2	SHOP DRAWINGS	APPROVAL OF SHOP DRAWINGS (SIGNATURE AND DATE) IS REQUIRED TO BE RETURNED TO SMOKE CONTROL SYSTEM BEFORE MANUFACTURE CAN COMMENCE.	BUILDER, ARCHITECT
3	DELIVERIES TO SITE	IF REQD, FORKLIFT TO BE MADE AVAILABLE.	BUILDER
4	VERTICAL MOVEMENT OF PRODUCT	IF REQD, CRANE SHALL BE AVAILABLE TO SMOKE CONTROL SYSTEMS AT AGREED TIME OF DELIVERY. IF THIS IS NOT AVAILABLE, THIS MAY INCUR EXTRA CHARGES.	BUILDER
5	STORAGE	SUFFICIENT CLEAR FLOOR SPACE TO BE MADE AVAILABLE IMMEDIATELY ADJACENT TO EACH INSTALLATION LOCATION.	BUILDER
6	ACCESS TO WORKFACE (INSTALLATION)	REASONABLY ADEQUATE WORKING AREA REQD., MIN 500mm FROM SYSTEM TO STRUCTURE IS IDEAL. SUBJECT TO SITE CONDITIONS.	BUILDER
7	BALUSTRADES (WHERE PRESENT)	WHERE APPLICABLE, BALLUSTRADES MUST NOT INTERFERE WITH THE OPERATION OF CURTAIN IN ANY WAY. MIN. 100mm FROM SYSTEM TO BALUSTRADE OFFSET IS IDEAL.	BUILDER
8	ACCESS PANELS (INSTALLATION WITHIN CEILING CAVITY)	450X450 NOM. ACCESS PANELS TO BE PROVIDED. THREE EQUALLY SPACED PANELS (ONE ON EITHER END AND ONE DEAD CENTRE) WILL BE REQUIRED WHERE ACCESS TO HEAD BOX IS RESTRICTED. MAY NOT BE REQD. WHERE REMOVABLE GRID CEILING ALLOWS FOR CLEAR ACCESS TO CURTAIN CONTROLLERS.	BUILDER, CEILING CONTRACTOR
9	POWER REQUIREMENTS	240 VOLT 10 AMP GPO TO BE LOCATED NO MORE THAN 1m AWAY FROM NOMINATED LOCATION OF CURTAIN CONTROLLERS.	BUILDER, ELECTRICAL
10	ALARM SIGNAL, ACTIVATION	0 VOLT NORMALLY CLOSED CONTACT (OPEN ON ALARM) TO BE PROVIDED WITHIN 1 METRE OF CURTAIN CONTROLLER.	BUILDER, ELECTRICAL, FIRE
11	PRESSURISATION, EXHAUST SYSTEMS	<b>IMPORTANT:</b> BALANCING TO CONSIDER AFFECTS OF CURTAINS 20 PA MAX. PRESSURE DIFFERENTIAL STRONGLY RECOMMENDED.	BULDER, MECHANICAL SERVICES
12	TUNING	ALL SCAFFOLDING & OTHER TRADES TO BE CLEAR 2 DAYS PRIOR TO TUNING & COMMISSIONING.	BUILDER
13	COMMISSIONING STAGE 1	PRACTICAL COMPLETION TESTS: PERMANENT POWER & ALARMS CONNECTED FOR DRY RUN PRIOR TO CSC. CURTAINS MUST BE ISOLATED DURING INDIVIDUAL COMMISSIONING OF OTHER ESSENTIAL SERVICES. (PRODUCT LOCKED IN OPEN POSITION AFTER TESTING)	SMOKE CONTROL SYSTEMS & BUILDER
14	COMMISSIONING STAGE 2	COORDINATED SERVICES COMMISSIONING (CSC)	SMOKE CONTROL SYSTEMS
15	COMMISSIONING STAGE 3	WITNESS TESTING, FINAL COMMISSIONING & HANDOVER	SMOKE CONTROL SYSTEMS

### DIFFERENTIAL PRESSURE

OPENING SIZE AREA	Δ Pa
100m <sup>2</sup>	50Pa
50m <sup>2</sup>	100Pa

SYSTEM	COMPONENT	MATERIALS	FRL	COLOUR/FINISH
FIBERSHIELD V	HEAD BOX & BOTTOM BAR	GALVANISED STEEL	-/240/-	<b>POWDER COATING IN STANDARD RAL COLOURS</b> <small>WILL COME IN GALVANISED FINISH IF COLOUR IS NOT PROVIDED BY CLIENT SPECIAL ORDER STAINLESS STEEL AVAILABLE</small>
	SIDE GUIDES	GALVANISED STEEL		
	FABRIC	1100°C RATED		

### PRODUCT SPECIFICATIONS

### DRAWING INDEX

SHEET	DESCRIPTION	REV
0001	COVER SHEET	-
0002	3D INDICATIVE VIEW	-
0003	FRONT ELEVATION	-
0004	SIDE ELEVATION - HEAD BOX MOUNTING OPTIONS	-
0005	PLAN VIEW - SIDE GUIDE MOUNTING OPTIONS	-
0006	CORNER POST DETAIL	-
0007	BOTTOM BAR OPTIONS	-
0008	OBSTRUCTION SENSORS	-

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REV	CHK	REASON	DATE
-	AC	FOR INFORMATION	27/05/2020

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PROJECT  
**FS4**  
**FIBERSHIELD 4**

CLIENT

TITLE  
**COVER SHEET**

SUB SET (CATEGORY)  
**00 - TEMPLATE**

DRAWING NUMBER

**FS4-0001**

DRAWN BY  
**ISHTIAQUE ALAM**

ISSUE STATUS:  
**INFORMATION**

START DATE  
 27/05/2020

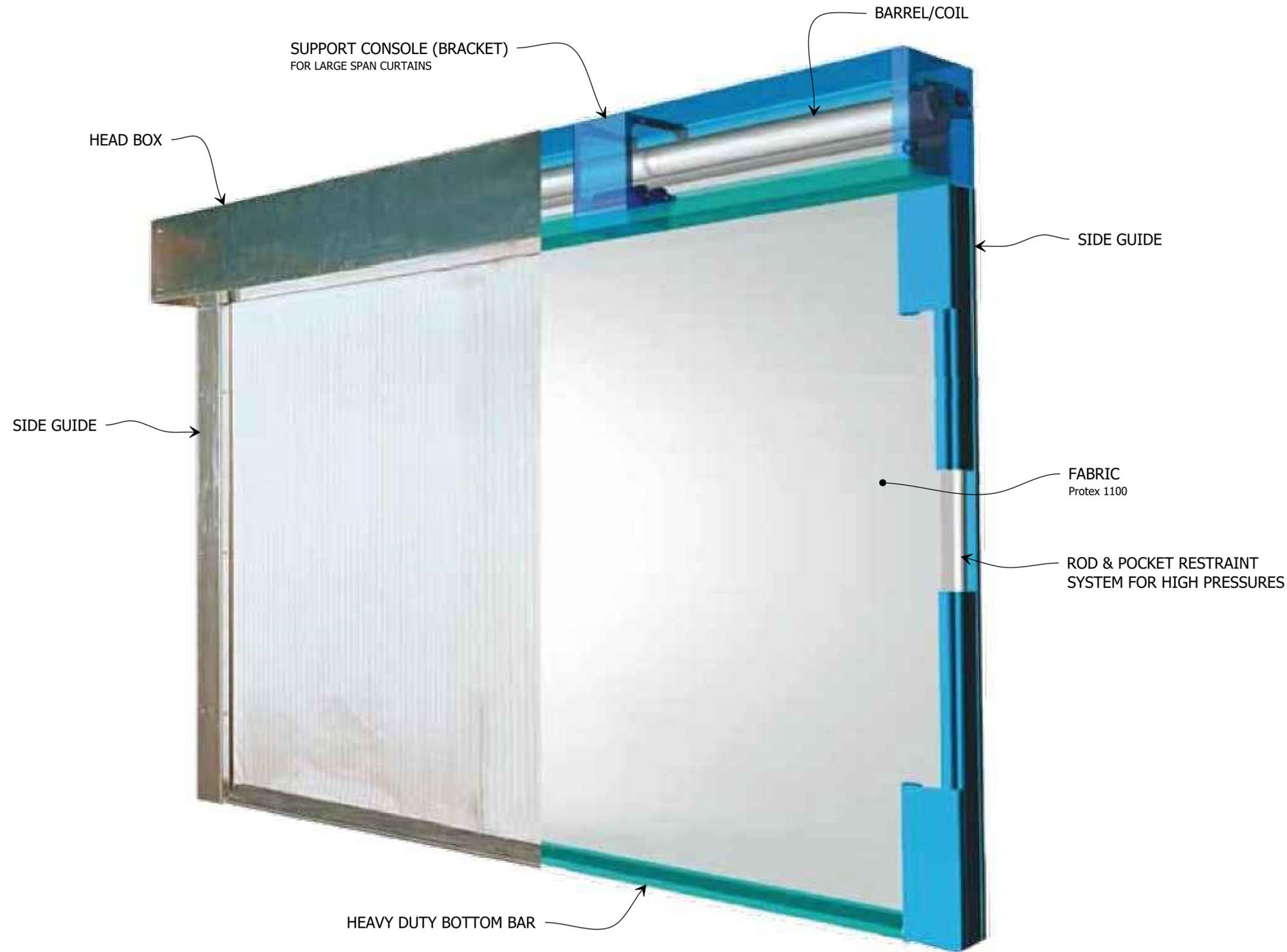
SCALE  
 AS SHOWN @A2

FILE: FS4.dwg --- PLOTTED ON 27/05/2020 BY IGOR REBENKO

420mm

<<< 594mm

# FIBERSHIELD 4 - PREMIUM FIRE CURTAIN



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PROJECT  
**FS4  
 FIBERSHIELD 4**

CLIENT

TITLE  
**3D INDICATIVE VIEW**

SUB SET (CATEGORY)  
**00 - TEMPLATE**

DRAWING NUMBER  
**FS4-0002**

DRAWN BY  
**ISHTIAQUE ALAM**

ISSUE STATUS:  
**INFORMATION**

START DATE  
**27/05/2020**

SCALE  
**AS SHOWN @A2**

3D VIEW  
**1 FIBERSHIELD 4 - PREMIUM FIRE CURTAIN**  
 SCALE NTS @ A2

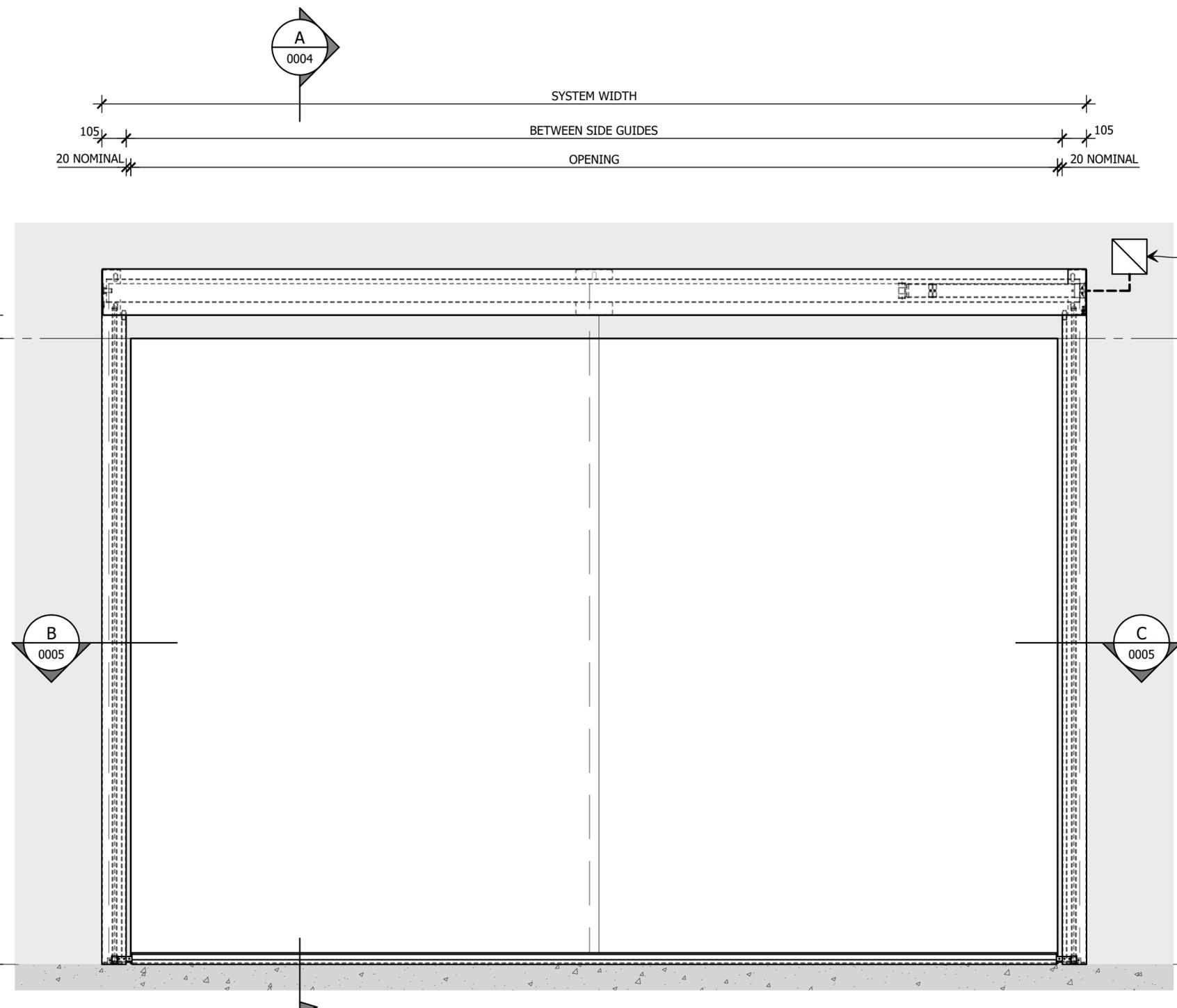
FILE: FS4.dwg --- PLOTTED ON 27/05/2020 BY IGOR REBENKO

>>> 420mm

<<< 594mm

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REV	CHK	REASON	DATE
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**CURTAIN CONTROLLER**  
 REQS. 240V 10A GPO & 0V NORMALLY CLOSED CONTACT TO FIP TO BE PROVIDED BY OTHERS.  
 1 CONTROLLER FOR SYSTEMS UP TO 12m, 2 CONTROLLERS (ONE EITHER END) FOR SYSTEMS UP TO 20m.

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PROJECT  
**FS4  
 FIBERSHIELD 4**

CLIENT

TITLE  
**FRONT ELEVATION**

SUB SET (CATEGORY)  
**00 - TEMPLATE**

DRAWING NUMBER  
**FS4-0003**

DRAWN BY  
**ISHTIAQUE ALAM**

ISSUE STATUS:  
**INFORMATION**

START DATE  
**27/05/2020**

SCALE  
**AS SHOWN @A2**

FLOATING BEARING TYPE			
SYSTEM SIZE		HEAD BOX SIZE	
SYSTEM WIDTH	DROP LENGTH	WIDTH	HEIGHT
< 30,000	< 3,500	190	200

NOTE: FOR SYSTEM SIZES OVER SPECIFIED SIZES, PLEASE CONTACT SCS TECHNICAL DEPARTMENT.

FRONT VIEW  
**1 FIBERSHIELD - 4**  
 SCALE 1:15 @ A2

FILE: FS4.dwg --- PLOTTED ON 27/05/2020 BY IGOR REBENKO

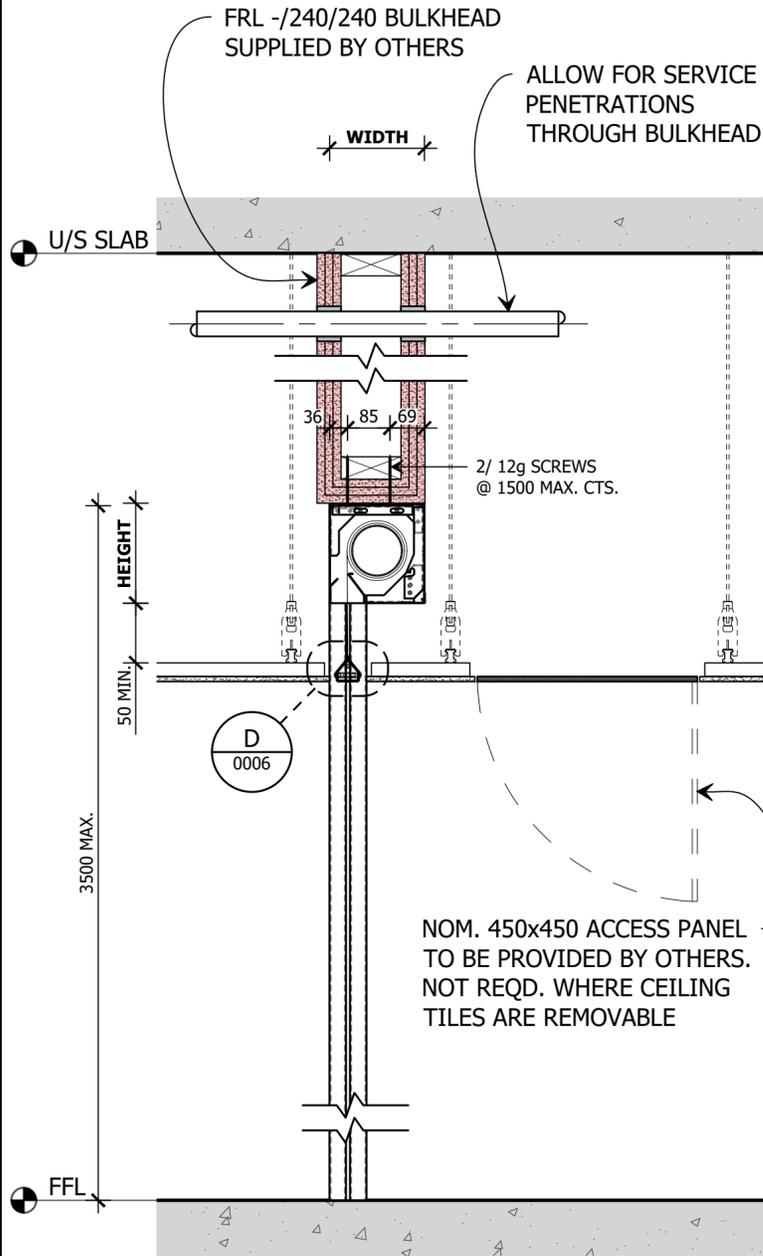
420mm  
 <<< 594mm

# HEAD BOX MOUNTING OPTIONS:

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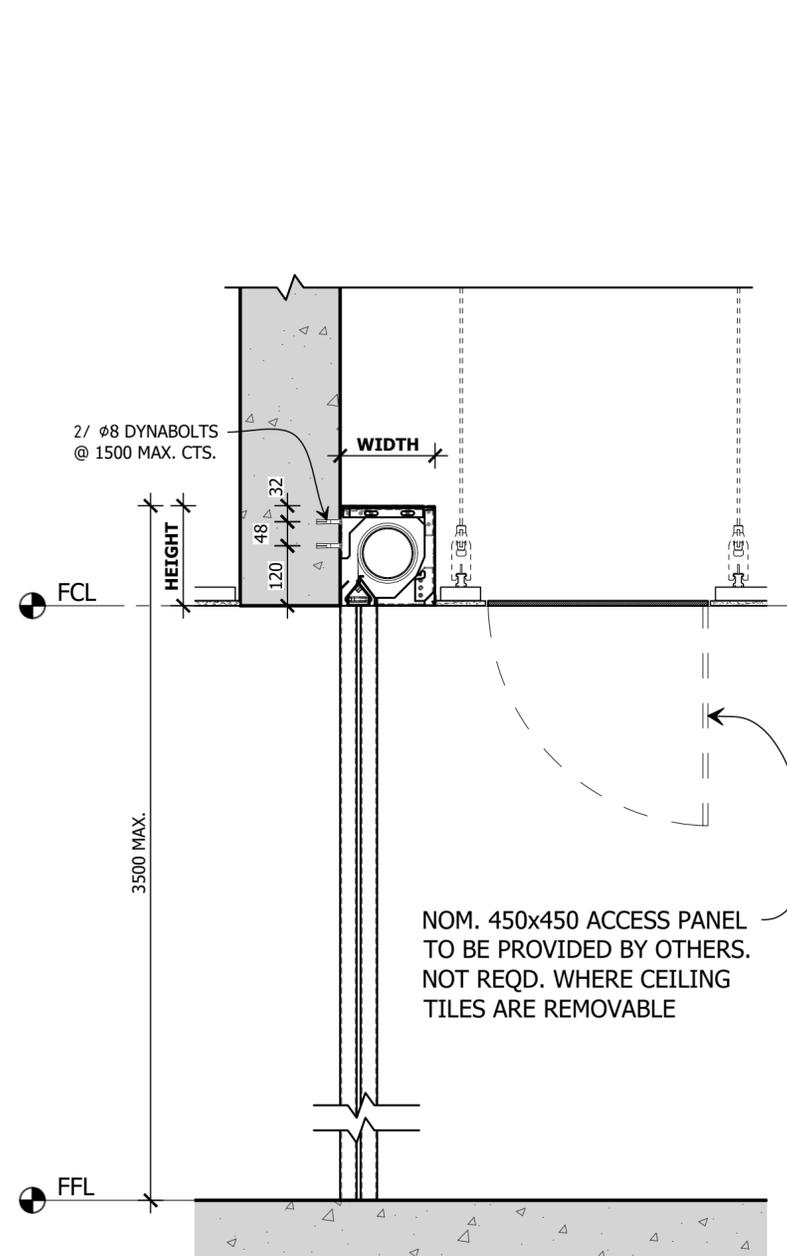
REV	CHK	REASON	DATE
-	AC	FOR INFORMATION	27/05/2020

## OPTION 1: SUSPENDED



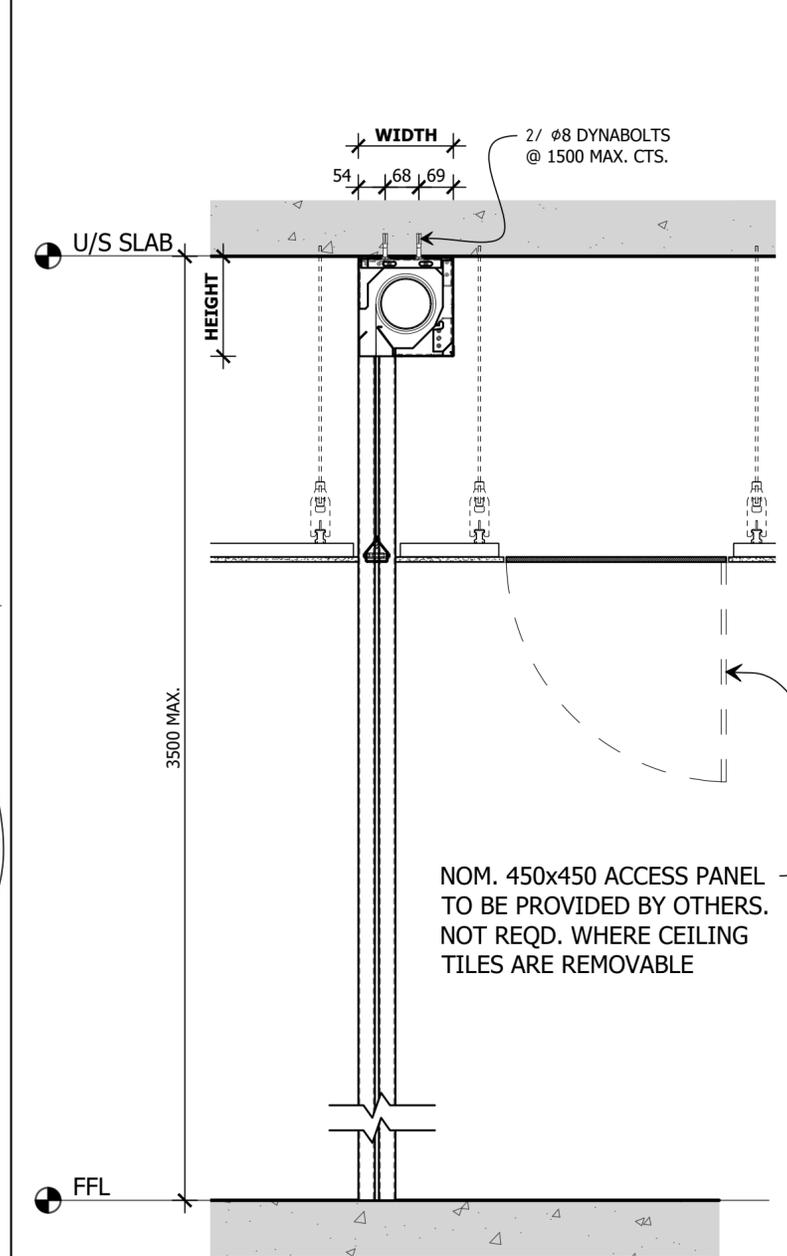
**A** SIDE ELEVATION SECTION  
SCALE 1:10 @ A2

## OPTION 2: FACE FIXED



**A** SIDE ELEVATION SECTION  
SCALE 1:10 @ A2

## OPTION 3: TOP FIXED



**A** SIDE ELEVATION SECTION  
SCALE 1:10 @ A2

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PROJECT  
FS4  
FIBERSHIELD 4

CLIENT

TITLE  
SIDE ELEVATION SECTION  
HEAD BOX MOUNTING OPTIONS

SUB SET (CATEGORY)  
00 - TEMPLATE

DRAWING NUMBER  
FS4-0004

DRAWN BY  
ISHTIAQUE ALAM

ISSUE STATUS:  
INFORMATION

START DATE  
27/05/2020

SCALE  
AS SHOWN @A2

FLOATING BEARING TYPE			
SYSTEM SIZE		HEAD BOX SIZE	
SYSTEM WIDTH	DROP LENGTH	WIDTH	HEIGHT
< 30,000	< 3,500	190	200

NOTE: FOR SYSTEM SIZES OVER SPECIFIED SIZES, PLEASE CONTACT SCS TECHNICAL DEPARTMENT.

FILE: FS4.dwg --- PLOTTED ON 27/05/2020 BY IGOR REBENKO

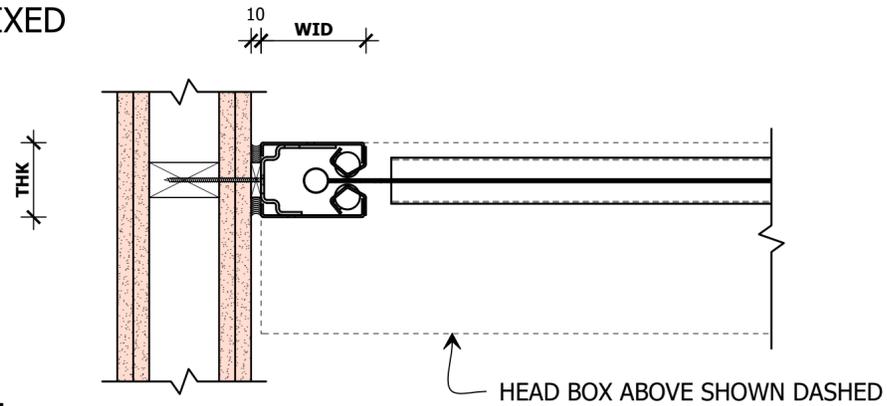
420mm  
420mm

# SIDE GUIDE MOUNTING OPTIONS:

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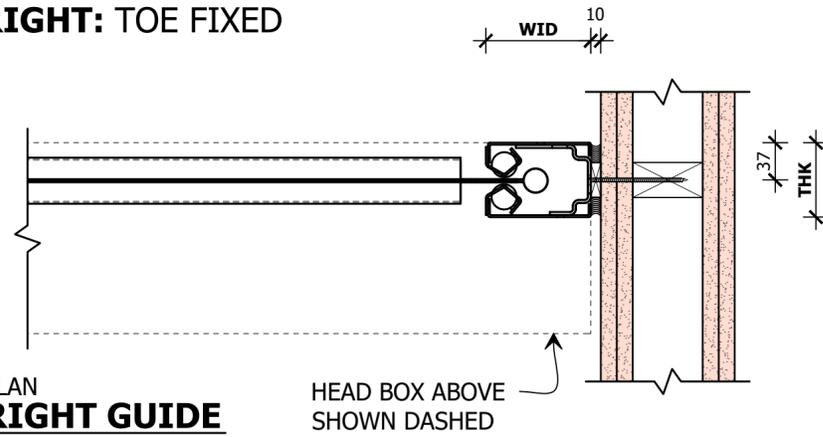
REV	CHK	REASON	DATE
-	AC	FOR INFORMATION	27/05/2020

**LEFT: TOE FIXED**



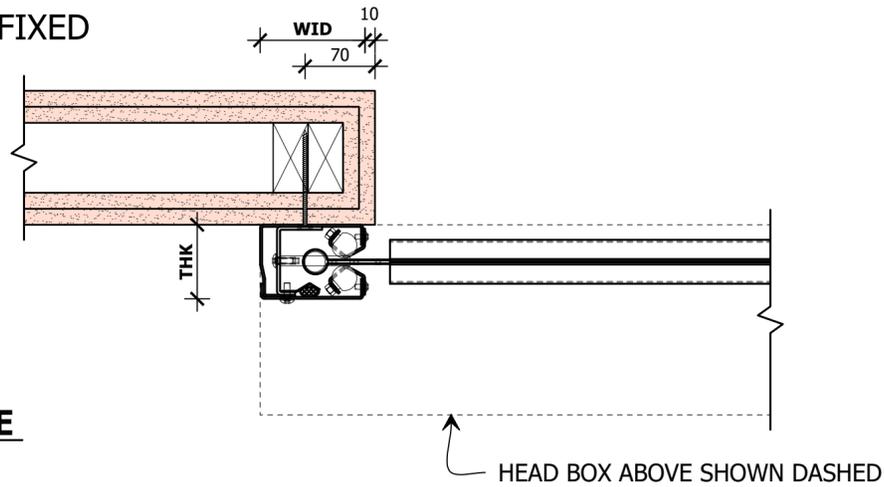
**B** PLAN  
**LEFT GUIDE**  
SCALE 1:5 @ A2

**RIGHT: TOE FIXED**



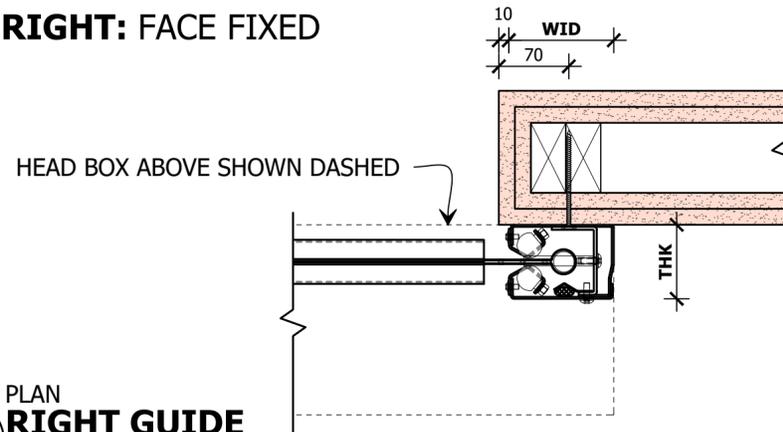
**C** PLAN  
**RIGHT GUIDE**  
SCALE 1:5 @ A2

**LEFT: FACE FIXED**



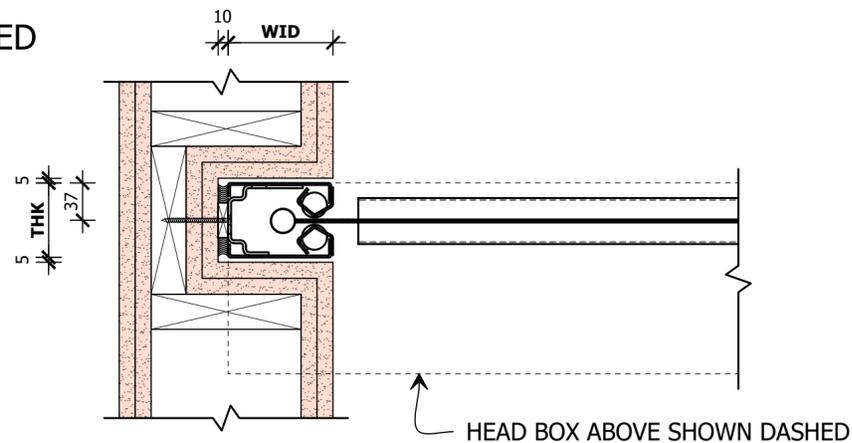
**B** PLAN  
**LEFT GUIDE**  
SCALE 1:5 @ A2

**RIGHT: FACE FIXED**



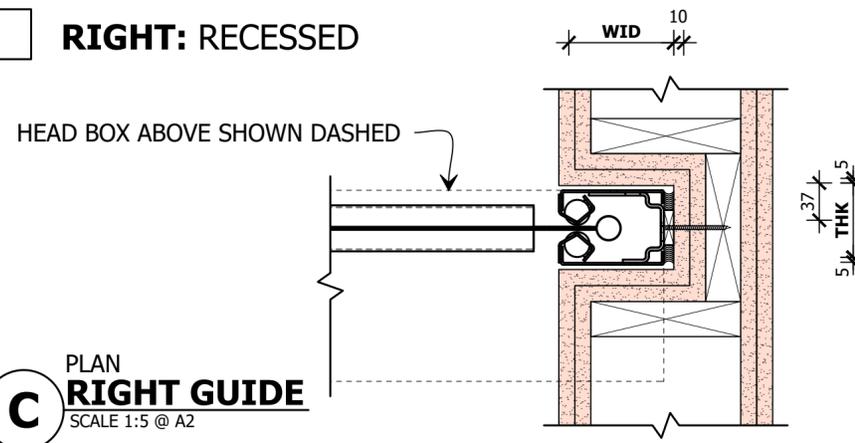
**C** PLAN  
**RIGHT GUIDE**  
SCALE 1:5 @ A2

**LEFT: RECESSED**



**B** PLAN  
**LEFT GUIDE**  
SCALE 1:5 @ A2

**RIGHT: RECESSED**



**C** PLAN  
**RIGHT GUIDE**  
SCALE 1:5 @ A2

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PROJECT  
**FS4  
 FIBERSHIELD 4**

CLIENT

TITLE  
**PLAN VIEW  
 SIDE GUIDE MOUNTING OPTIONS**

SUB SET (CATEGORY)  
**00 - TEMPLATE**

DRAWING NUMBER  
**FS4-0005**

DRAWN BY  
**ISHTIAQUE ALAM**

ISSUE STATUS:  
**INFORMATION**

START DATE  
 27/05/2020

SCALE  
**AS SHOWN @A2**

SIDE GUIDE SIZE		
SYSTEM WIDTH	WID	THK
< 12m	105	74
>12 m	160	100

NOTE: FOR SYSTEM SIZES OVER SPECIFIED SIZES, PLEASE CONTACT SCS TECHNICAL DEPARTMENT.

FILE: FS4.dwg --- PLOTTED ON 27/05/2020 BY IGOR REBENKO

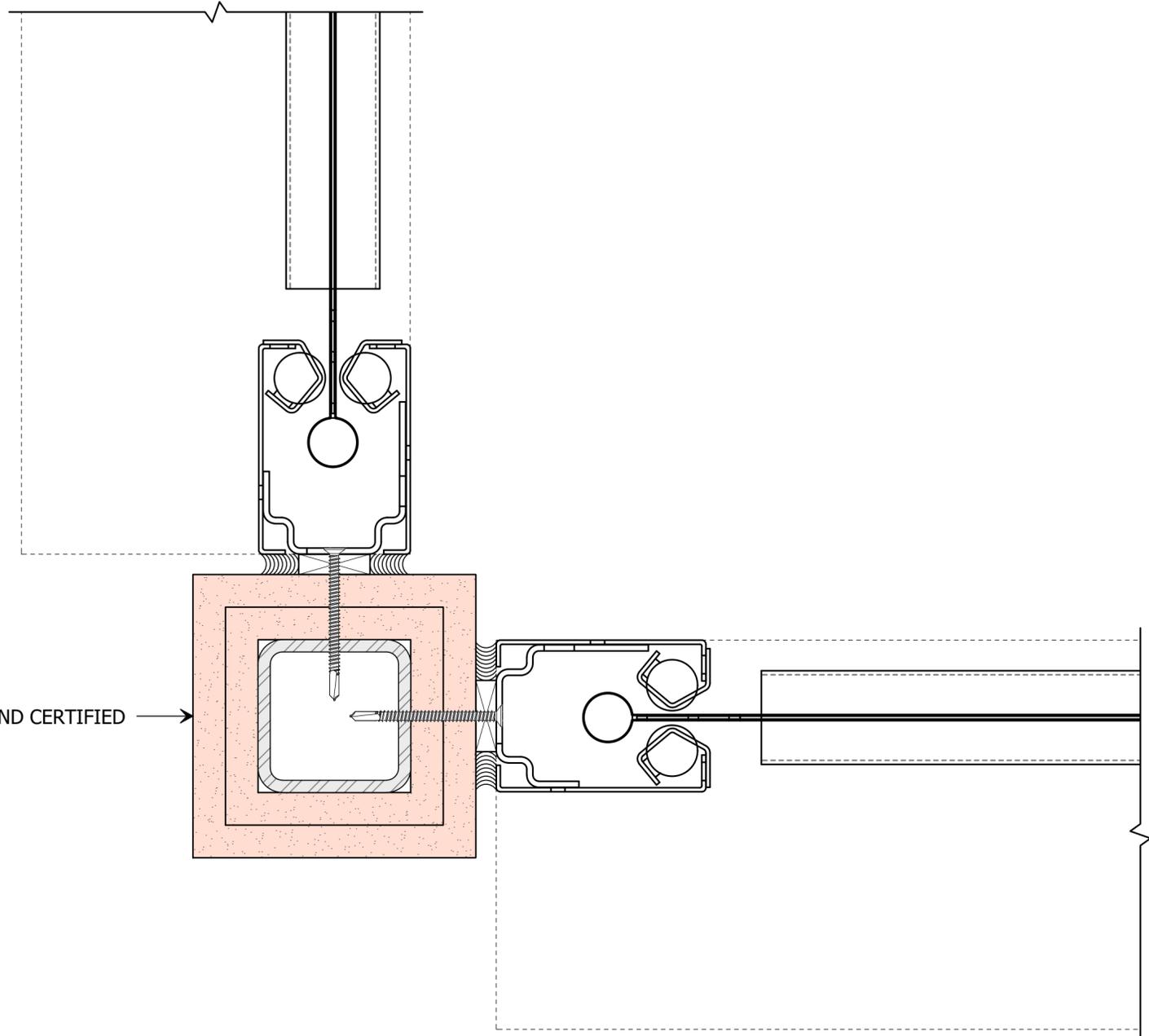
420mm

<<< 594mm

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REV	CHK	REASON	DATE
-	AC	FOR INFORMATION	27/05/2020



240/240/240 FRL STRUCTURAL POST. SUPPLIED AND CERTIFIED BY OTHERS.

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PROJECT  
**FS4**  
**FIBERSHIELD 4**

CLIENT

TITLE  
**CORNER POST DETAIL**

SUB SET (CATEGORY)  
**00 - TEMPLATE**

DRAWING NUMBER  
**FS4-0006**

DRAWN BY <b>ISHTIAQUE ALAM</b>	ISSUE STATUS: <b>INFORMATION</b>
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START DATE 27/05/2020	SCALE AS SHOWN @A2
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FILE: FS4.dwg --- PLOTTED ON 27/05/2020 BY IGOR REBENKO

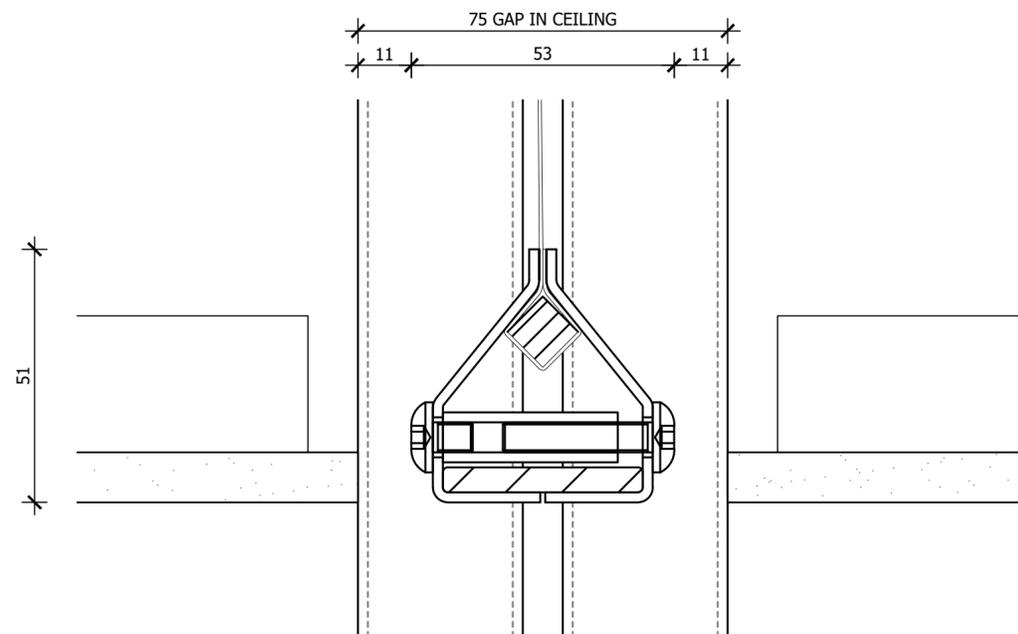
420mm >>>

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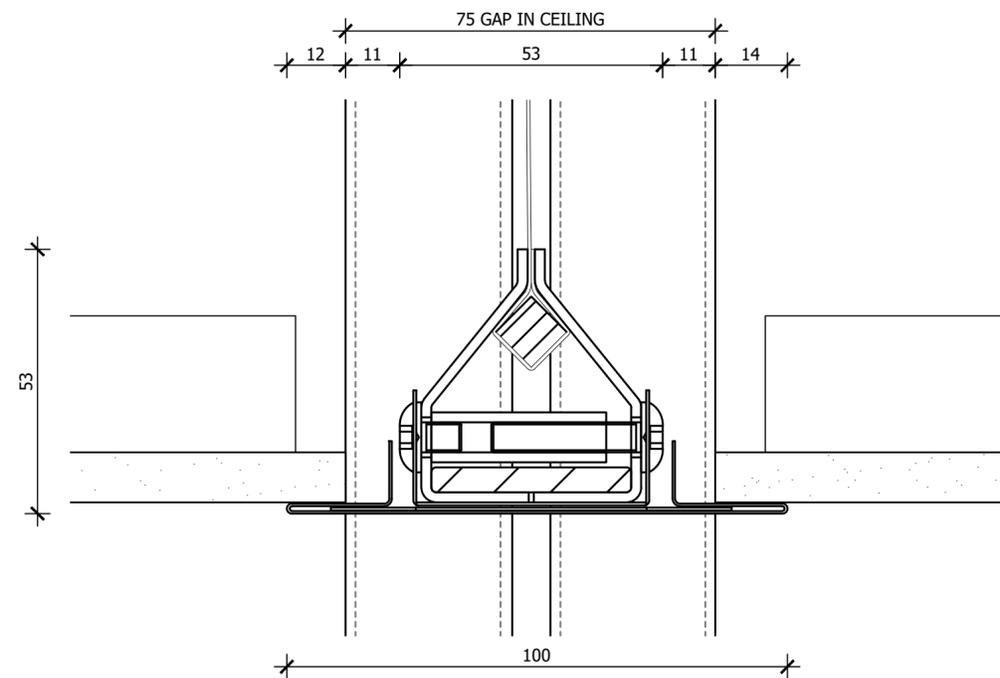
REV	CHK	REASON	DATE
-	AC	FOR INFORMATION	27/05/2020

## STANDARD BOTTOM BAR



**D** ELEVATION SECTION  
**BOTTOM BAR**  
 SCALE 1:1 @ A2

## SELF LEVELLING BOTTOM BAR FULLY CONCEALED



**D** ELEVATION SECTION  
**BOTTOM BAR**  
 SCALE 1:1 @ A2

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PROJECT  
**FS4**  
**FIBERSHIELD 4**

CLIENT

TITLE  
**BOTTOM BAR OPTIONS**

SUB SET (CATEGORY)  
**00 - TEMPLATE**

DRAWING NUMBER  
**FS4-0007**

DRAWN BY  
**ISHTIAQUE ALAM**

ISSUE STATUS:  
**INFORMATION**

START DATE  
**27/05/2020**

SCALE  
**AS SHOWN @A2**

FILE: FS4.dwg --- PLOTTED ON 27/05/2020 BY IGOR REBENKO

420mm

<<< 594mm

# IRS36 OBSTRUCTION SENSORS

PROTECT YOUR ASSET FROM DAMAGE CAUSED BY OBSTRUCTIONS AND ENSURE FULL DEPLOYMENT OF YOUR FIRE AND SMOKE CURTAIN SYSTEM AND THEREFORE FULL COMPLIANCE WITH THE FIRE ENGINEERS REPORT.

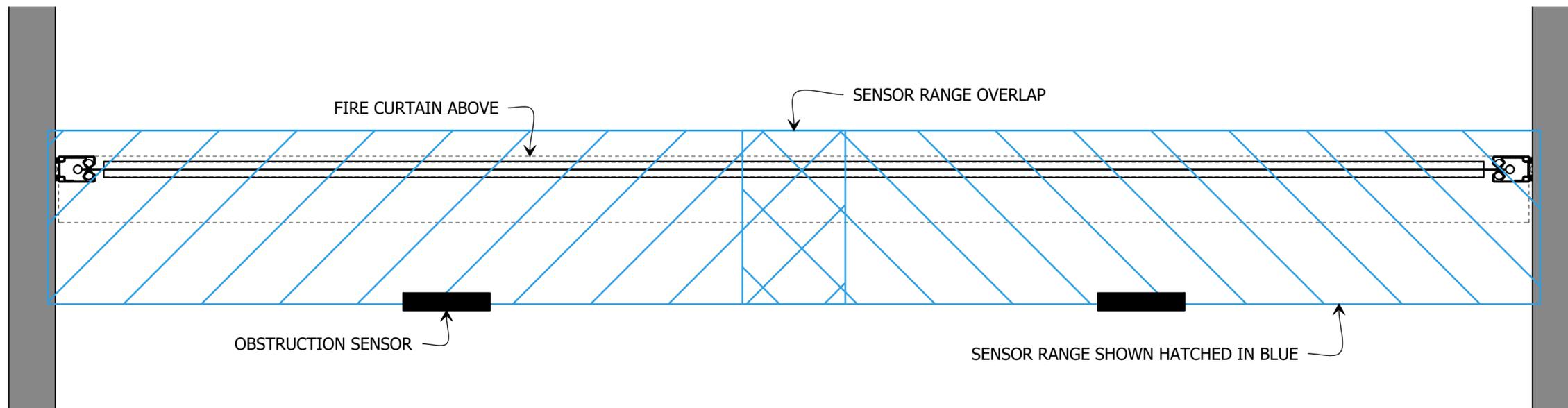
ELIMINATE THE REQUIREMENT FOR LINE MARKINGS AND MULTI-COLOURED EXCLUSION ZONES WHICH DETRACT FROM THE INTERIOR DESIGN! THE AUTOMATED IRS40 IS SUITABLE FOR USE ON ALL OF SMOKE CONTROL'S FIRE AND SMOKE CURTAIN SYSTEMS.

OTHER SENSOR SYSTEMS CAN REGISTER SMOKE AS AN OBSTRUCTION AND PREVENT DEPLOYMENT OF THE BARRIER WHEN IT IS ACTUALLY REQUIRED AND CONFLICT WITH THE INTENT OF THE ALTERNATIVE SOLUTION.

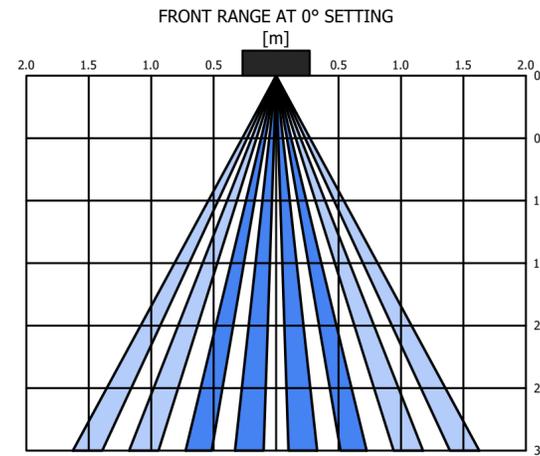
THE IRS40 SENSOR SYSTEM IS UNIQUE AND WILL NOT CAUSE THIS CONFLICT, ALLOWING THE BARRIER TO BOTH OPERATE AS INTENDED AND MAINTAIN COMPLIANCE WITH THE ALTERNATIVE SOLUTION AT ALL TIMES.

WHEN A SOLID OBSTRUCTION IS DETECTED UNDER THE DEPLOYMENT AREA OF THE BARRIER, THE SYSTEM WILL WAIT FOR A SPECIFIED TIME DELAY, THEN AN AUDIO-VISUAL SIGNAL WILL NOTIFY THE OCCUPANTS THAT THE OBSTRUCTION MUST BE REMOVED. THE SYSTEM AUTOMATICALLY RESETS ONCE THE OBSTRUCTION IS REMOVED FROM THE DEPLOYMENT AREA.

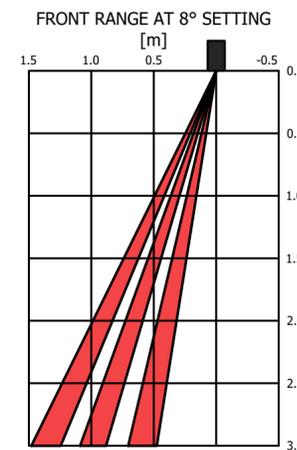
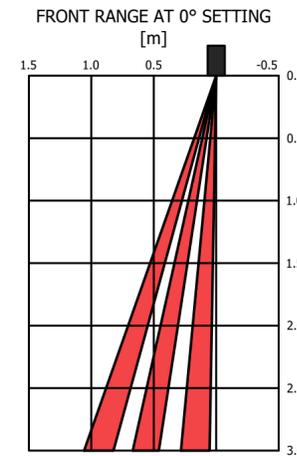
**DIMENSIONS:** 230mm (W), 70mm (H), 44mm (D)  
**IP RATING:** IP54



REFLECTED PLAN  
**1 OBSTRUCTION SENSOR LAYOUT**  
 SCALE 1:10 @ A2



GRAPHS SHOWN ARE APPROXIMATE RANGES



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REV	CHK	REASON	DATE
-	AC	FOR INFORMATION	27/05/2020

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PROJECT  
**FS4 FIBERSHIELD 4**

CLIENT

TITLE  
**OBSTRUCTION SENSORS**

SUB SET (CATEGORY)  
**00 - TEMPLATE**

DRAWING NUMBER  
**FS4-0008**

DRAWN BY  
**ISHTIAQUE ALAM**

ISSUE STATUS:  
**INFORMATION**

START DATE  
**27/05/2020**

SCALE  
**AS SHOWN @A2**

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