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 (SIGNITURE 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 (INSTALATION WITHIN CEILING CAVITY)	450X450 NOM. ACCESS PANELS TO BE PROVIDED. THREE EQUALY 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	**IMPORTANT:** 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

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	-

DIFFERENTIAL PRESSURE

OPENING SIZE AREA	Δ Pa
100m²	50Pa
50m²	100Pa

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

PRODUCT SPECIFICATIONS

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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

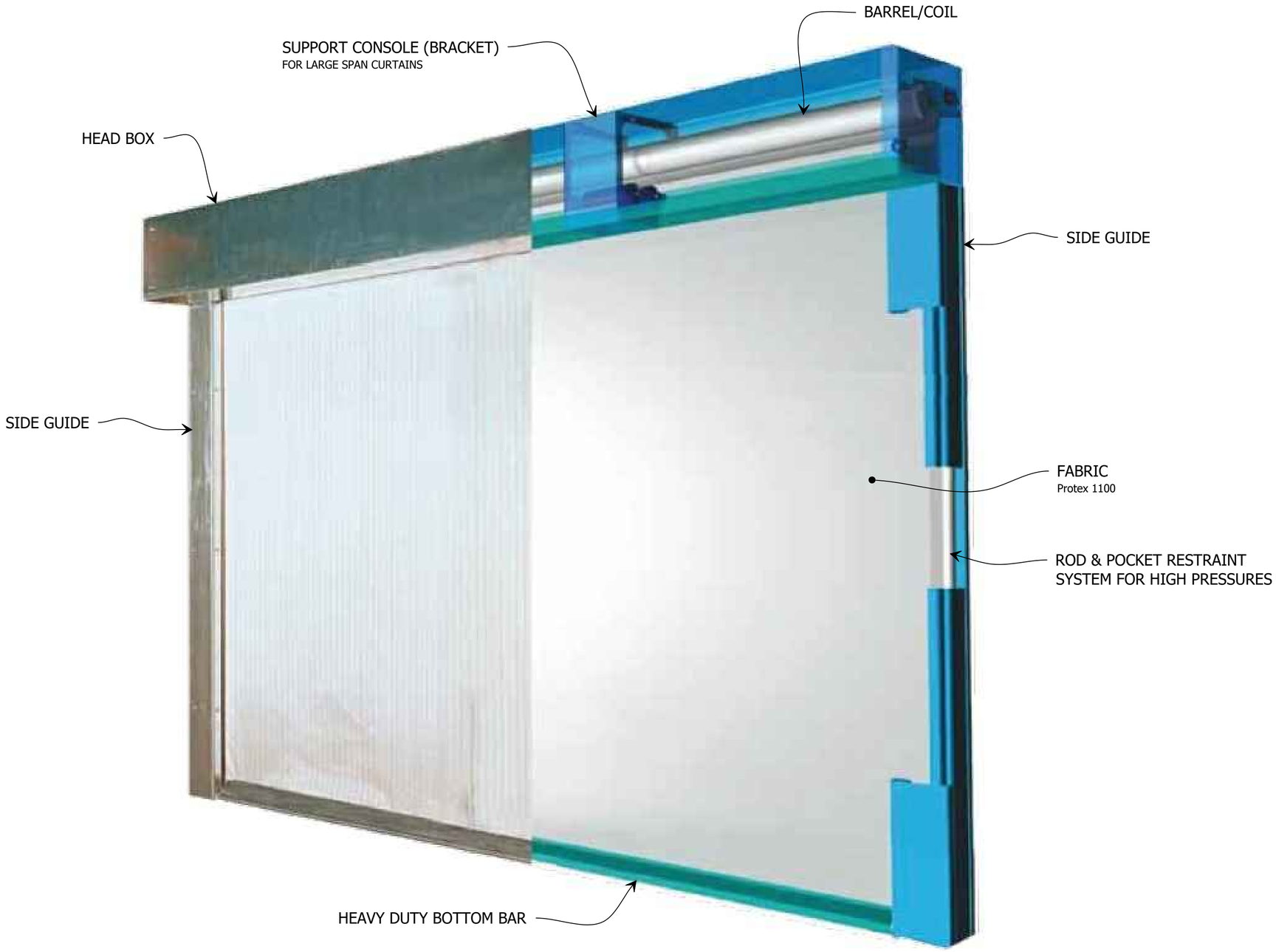
DRAWN BY	ISSUE STATUS:
ISHTIAQUE ALAM	INFORMATION
START DATE	SCALE
27/05/2020	AS SHOWN @A2

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

>>> 420mm

<<< 594mm

FIBERSHIELD 4 - PREMIUM FIRE CURTAIN



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

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

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PROJECT
FS4
FIBERSHIELD 4

CLIENT

TITLE
3D INDICATIVE VIEW

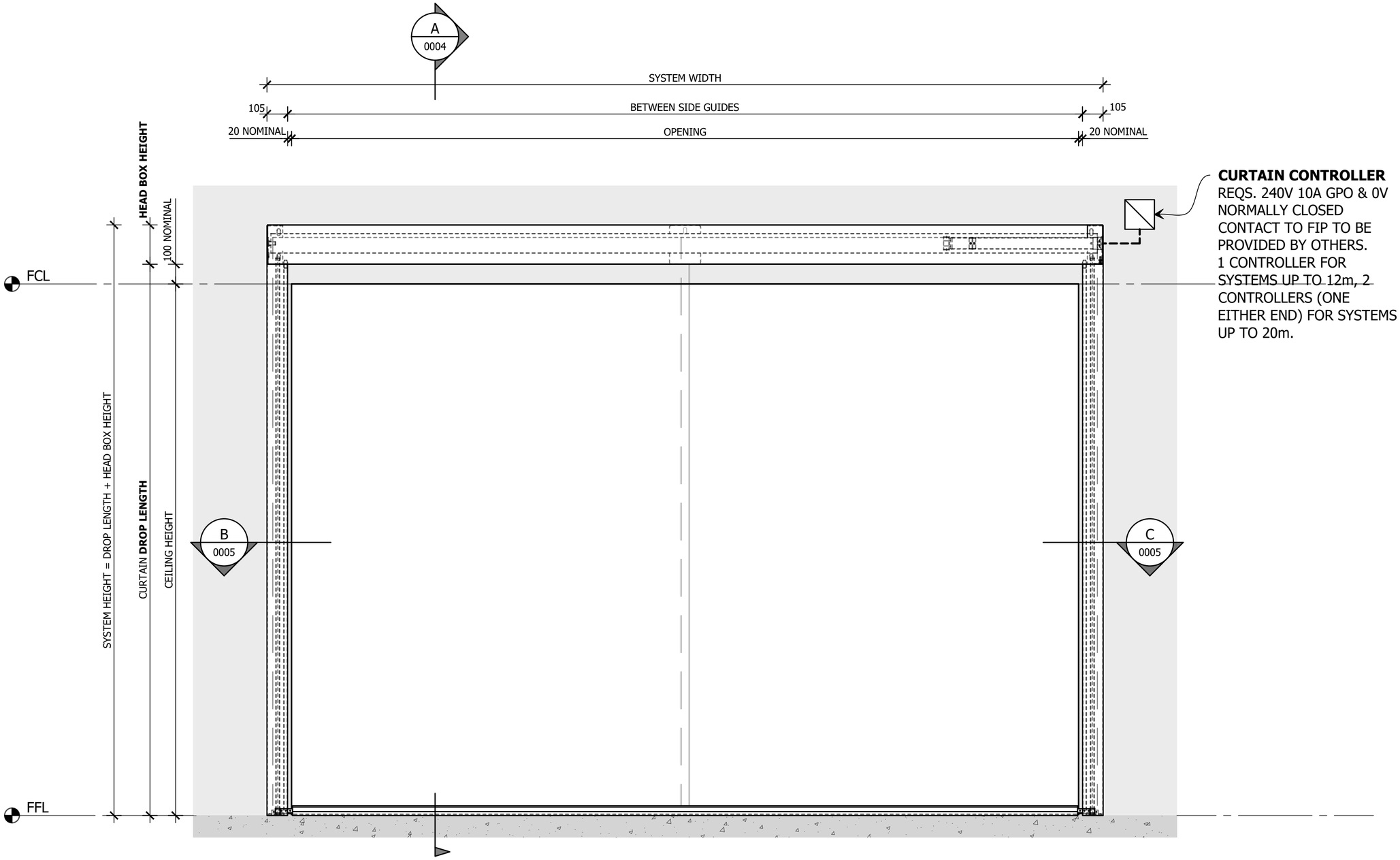
SUB SET (CATEGORY)
00 - TEMPLATE

DRAWING NUMBER
FS4-0002

DRAWN BY	ISSUE STATUS:
ISHTIAQUE ALAM	INFORMATION
START DATE	SCALE
27/05/2020	AS SHOWN @A2

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

>>> 420mm
<<< 594mm



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.

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

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

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PROJECT
FS4
FIBERSHIELD 4

CLIENT

TITLE
FRONT ELEVATION

SUB SET (CATEGORY)
00 - TEMPLATE

DRAWING NUMBER
FS4-0003

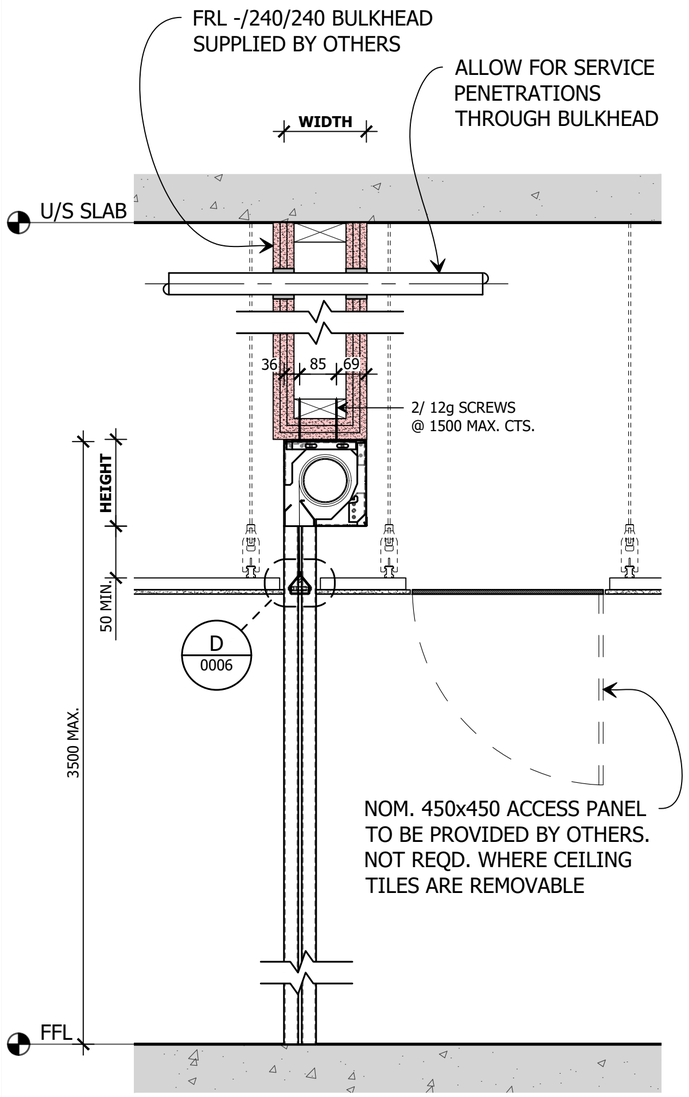
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ISHTIAQUE ALAM	INFORMATION
START DATE	SCALE
27/05/2020	AS SHOWN @A2

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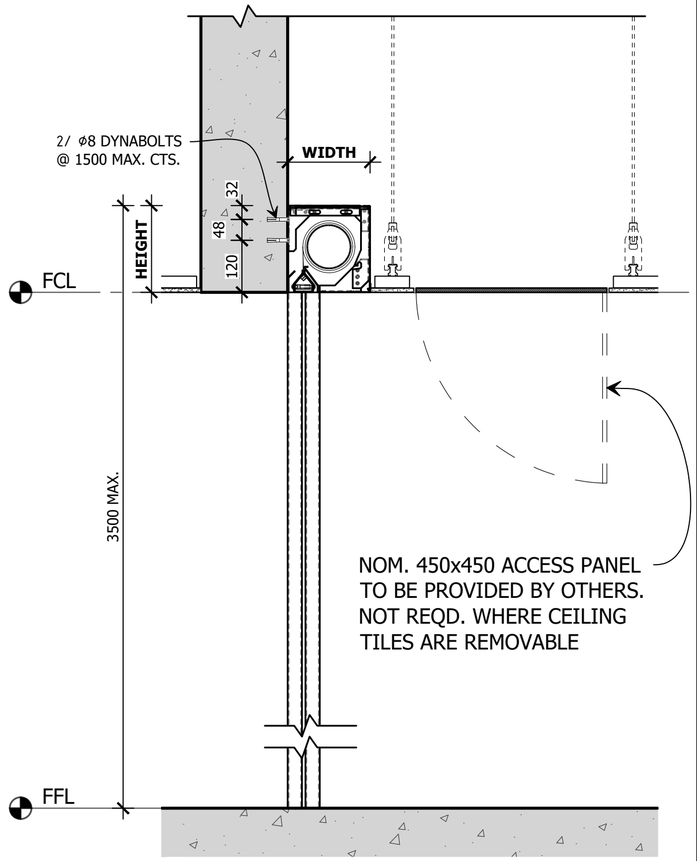
HEAD BOX MOUNTING OPTIONS:

☐ OPTION 1: SUSPENDED



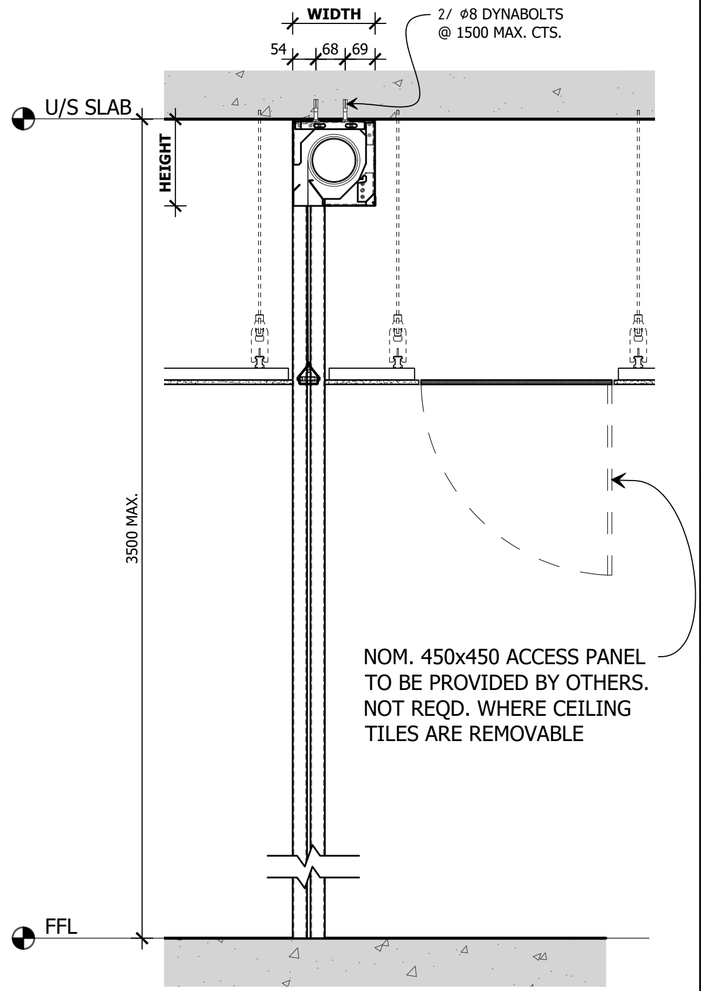
A SIDE ELEVATION SECTION
SCALE 1:10 @ A2

☐ OPTION 2: FACE FIXED



A SIDE ELEVATION SECTION
SCALE 1:10 @ A2

☐ OPTION 3: TOP FIXED



A SIDE ELEVATION SECTION
SCALE 1:10 @ A2

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.

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Rev	CHK	REASON	DATE
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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

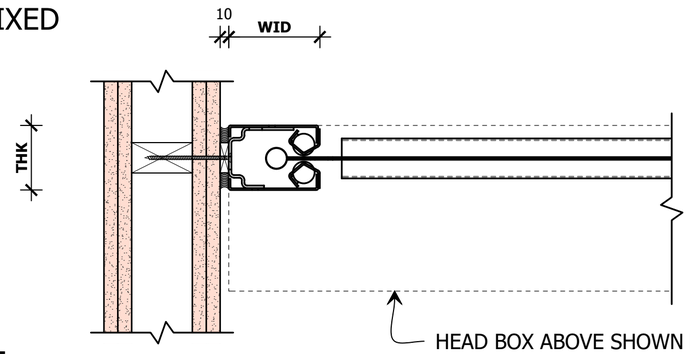
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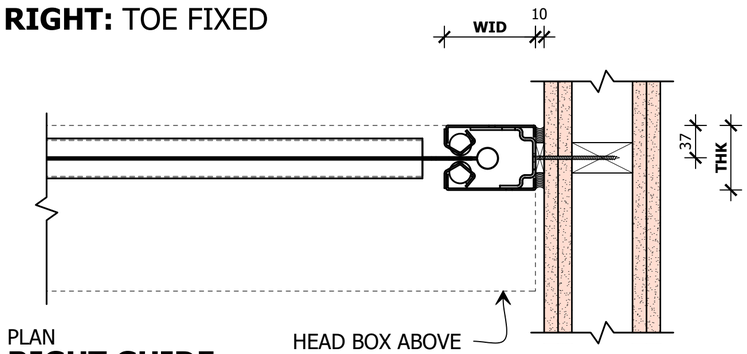
SIDE GUIDE MOUNTING OPTIONS:

☐ **LEFT:** TOE FIXED



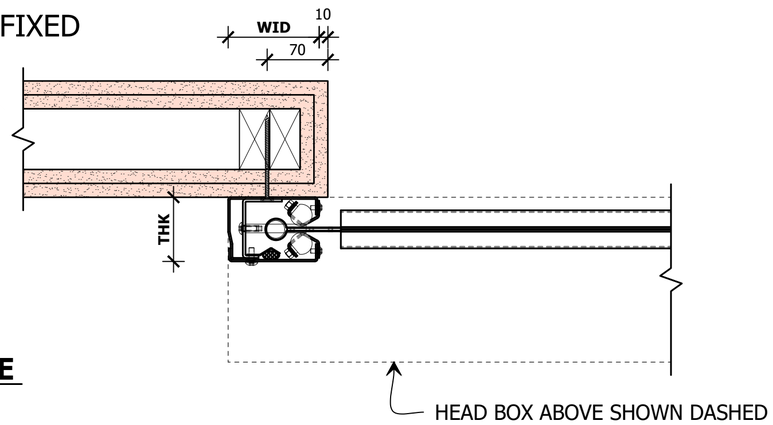
B PLAN
LEFT GUIDE
SCALE 1:5 @ A2

☐ **RIGHT:** TOE FIXED



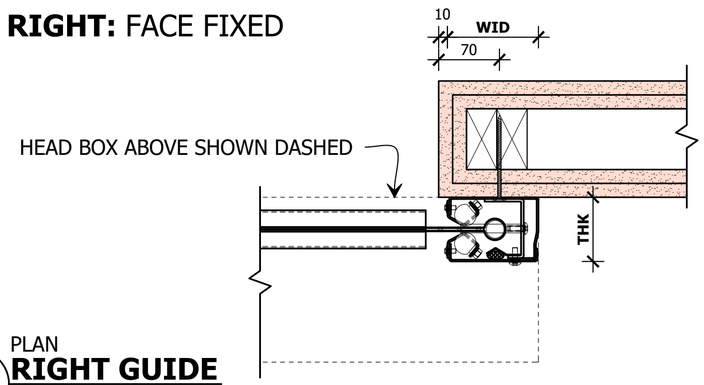
C PLAN
RIGHT GUIDE
SCALE 1:5 @ A2

☐ **LEFT:** FACE FIXED



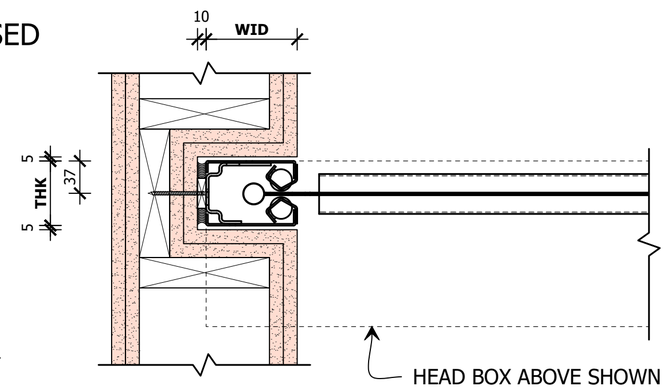
B PLAN
LEFT GUIDE
SCALE 1:5 @ A2

☐ **RIGHT:** FACE FIXED



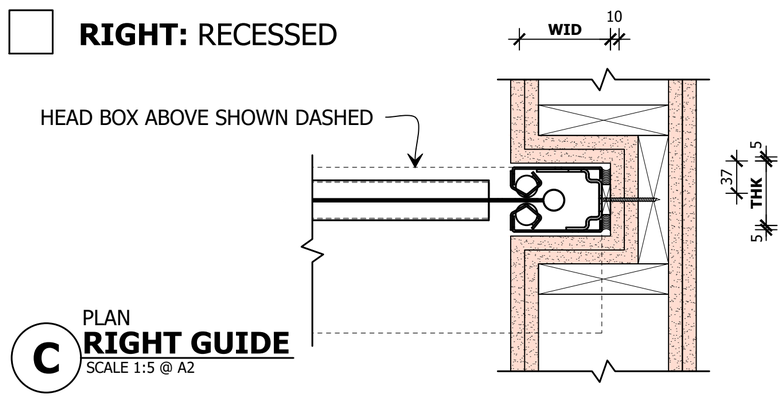
C PLAN
RIGHT GUIDE
SCALE 1:5 @ A2

☐ **LEFT:** RECESSED



B PLAN
LEFT GUIDE
SCALE 1:5 @ A2

☐ **RIGHT:** RECESSED



C PLAN
RIGHT GUIDE
SCALE 1:5 @ A2

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

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

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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

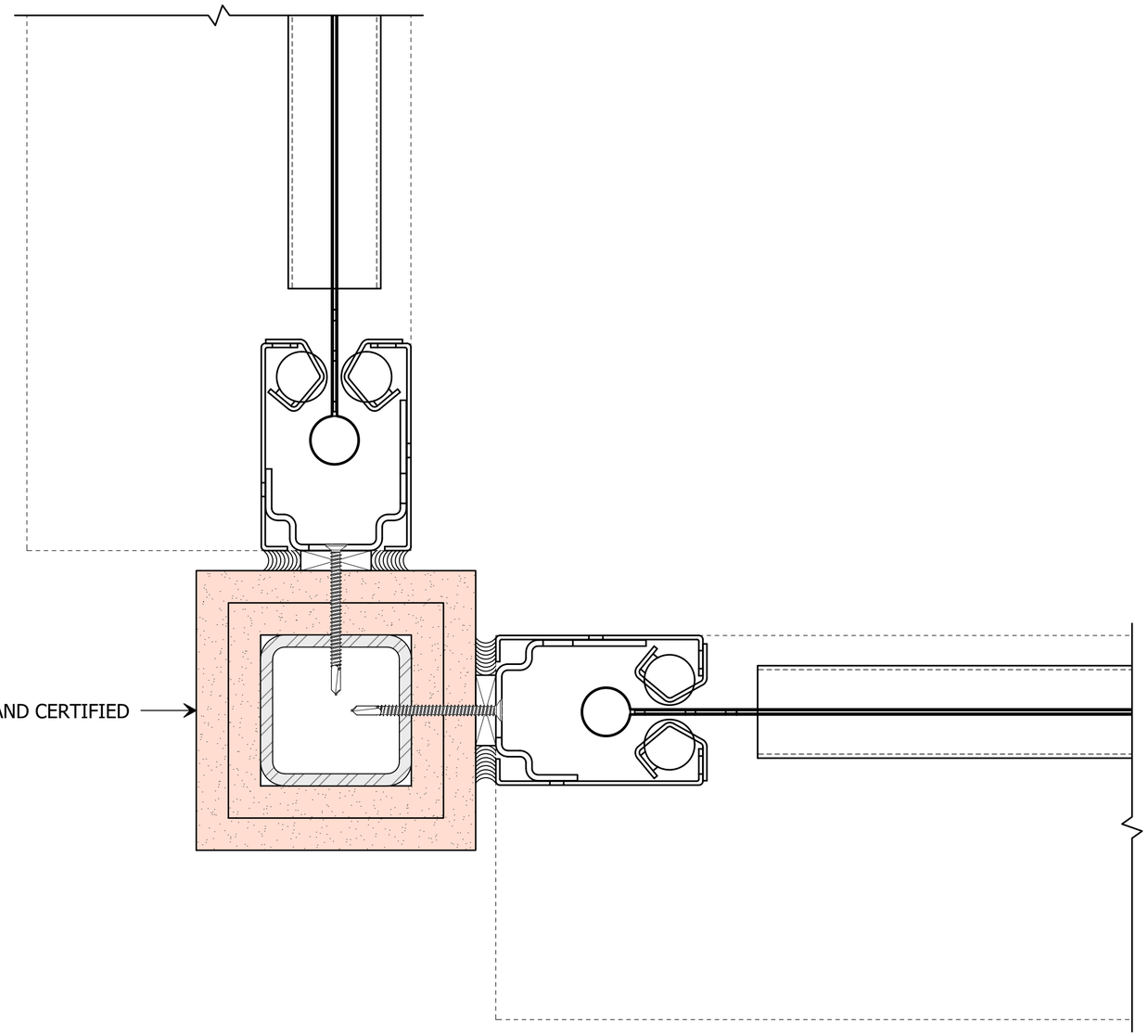
SCALE
AS SHOWN @A2

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

<<< 420mm

<<< 594mm

CORNER POST DETAIL:



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

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-	AC	FOR INFORMATION	27/05/2020

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PROJECT
FS4
FIBERSHIELD 4

CLIENT

TITLE
CORNER POST DETAIL

SUB SET (CATEGORY)
00 - TEMPLATE

DRAWING NUMBER
FS4-0006

DRAWN BY	ISSUE STATUS:
ISHTIAQUE ALAM	INFORMATION
START DATE	SCALE
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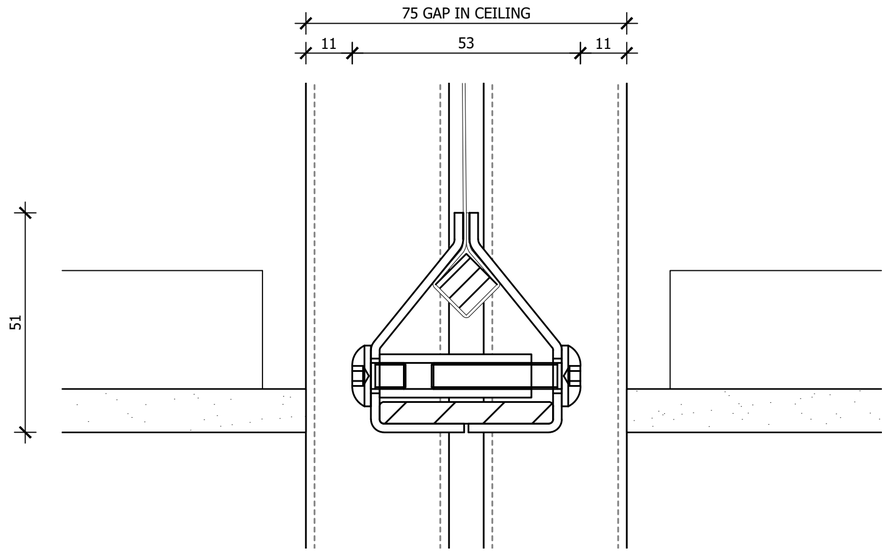
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>>> 420mm

<<< 594mm

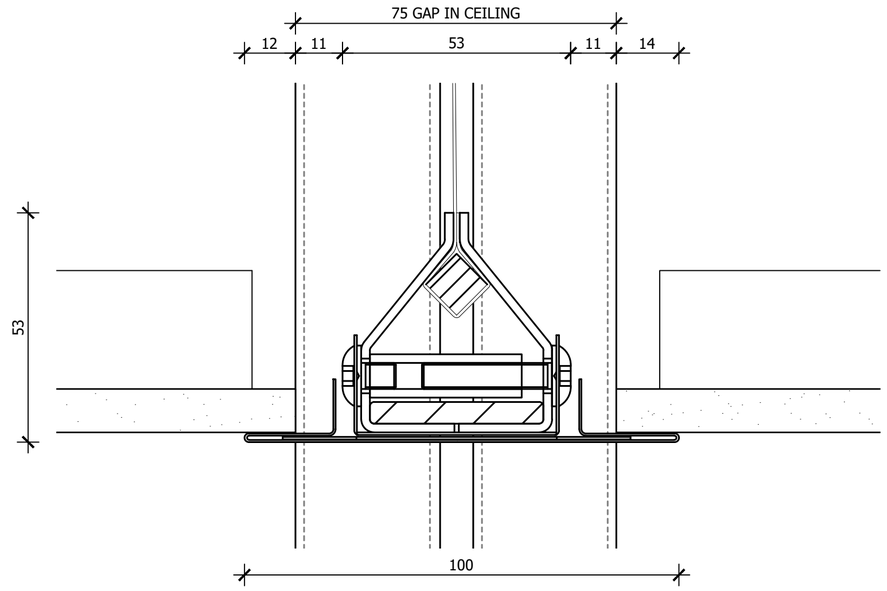
BOTTOM BAR OPTIONS:

☐ STANDARD BOTTOM BAR



ELEVATION SECTION
D BOTTOM BAR
SCALE 1:1 @ A2

☐ SELF LEVELLING BOTTOM BAR
FULLY CONCEALED



ELEVATION SECTION
D BOTTOM BAR
SCALE 1:1 @ A2

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

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SMOKE CONTROL

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PROJECT
FS4
FIBERSHIELD 4

CLIENT

TITLE
BOTTOM BAR OPTIONS

SUB SET (CATEGORY)
00 - TEMPLATE

DRAWING NUMBER
FS4-0007

DRAWN BY	ISSUE STATUS:
ISHTIAQUE ALAM	INFORMATION
START DATE	SCALE
27/05/2020	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.

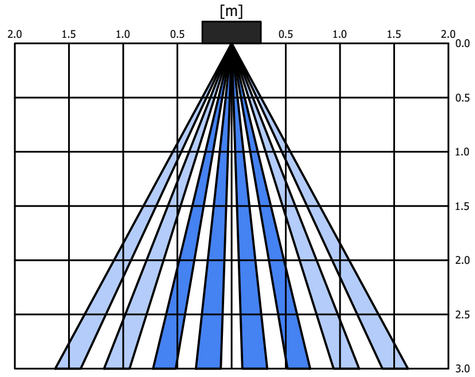
OTHER SENSOR SYSTEMS CAN REGISTER SMOKE AS AN OBSTRUCTION AND PREVENT DEPLOYMENT OF THE BARRIER WHEN IT IS ACTUALLY REQUIRED AND CONFLICT WITH THE INTENT OF THE ALTERNATIVE SOLUTION.

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.

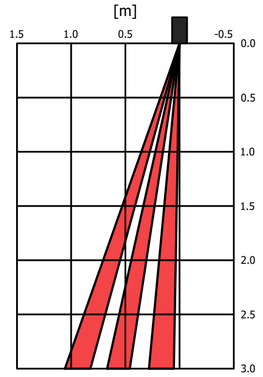
DIMENSIONS: 230mm (W), 70mm (H), 44mm (D)
IP RATING: IP54

FRONT RANGE AT 0° SETTING
[m]

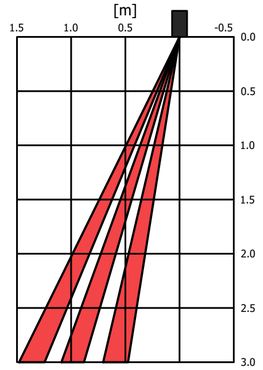


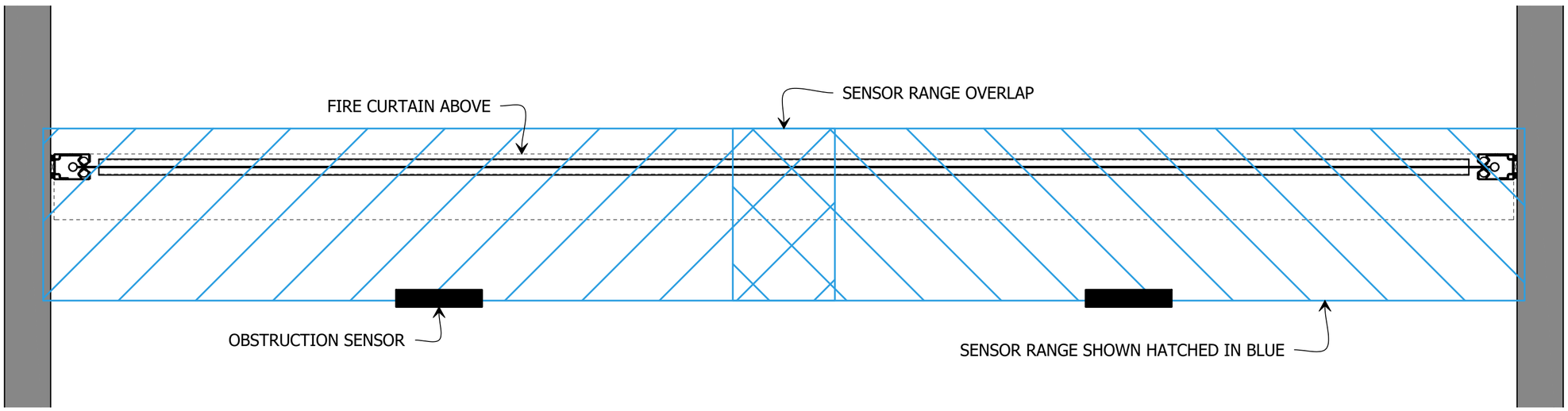
GRAPHS SHOWN ARE APPROXIMATE RANGES

FRONT RANGE AT 0° SETTING
[m]



FRONT RANGE AT 8° SETTING
[m]





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

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

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