

SCS PROJECT: FIBERSHIELD V STANDARD TEMPLATE

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 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	IMPORTANT: BALANCING TO CONSIDER AFFECTS OF CURTAINS 50 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. <i>(PRODUCT LOCKED IN OPEN POSITION AFTER TESTING)</i>	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 ²	50Pa
50m ²	100Pa

SYSTEM	COMPONENT	MATERIALS	FRL	COLOUR/FINISH
FIBERSHIELD V	HEAD BOX & BOTTOM BAR	GALVANISED STEEL	-/120/-	POWDER COATING IN STANDARD RAL COLOURS <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 - HEADBOX MOUNTING OPTIONS	-
0005	PLAN VIEW - SIDEGUIDE MOUNTING OPTIONS	-
0006	CORNER POST DETAIL	-
0007	BOTTOM BAR OPTIONS	-
0008	OBSTRUCTION SENSORS	-

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REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	01/09/2020

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PROJECT
SCS-FSV
FIBERSHIELD V STANDARD TEMPLATE

CLIENT

TITLE
COVER SHEET

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER
SCS-FSV-0001

DRAWN BY
I.A.

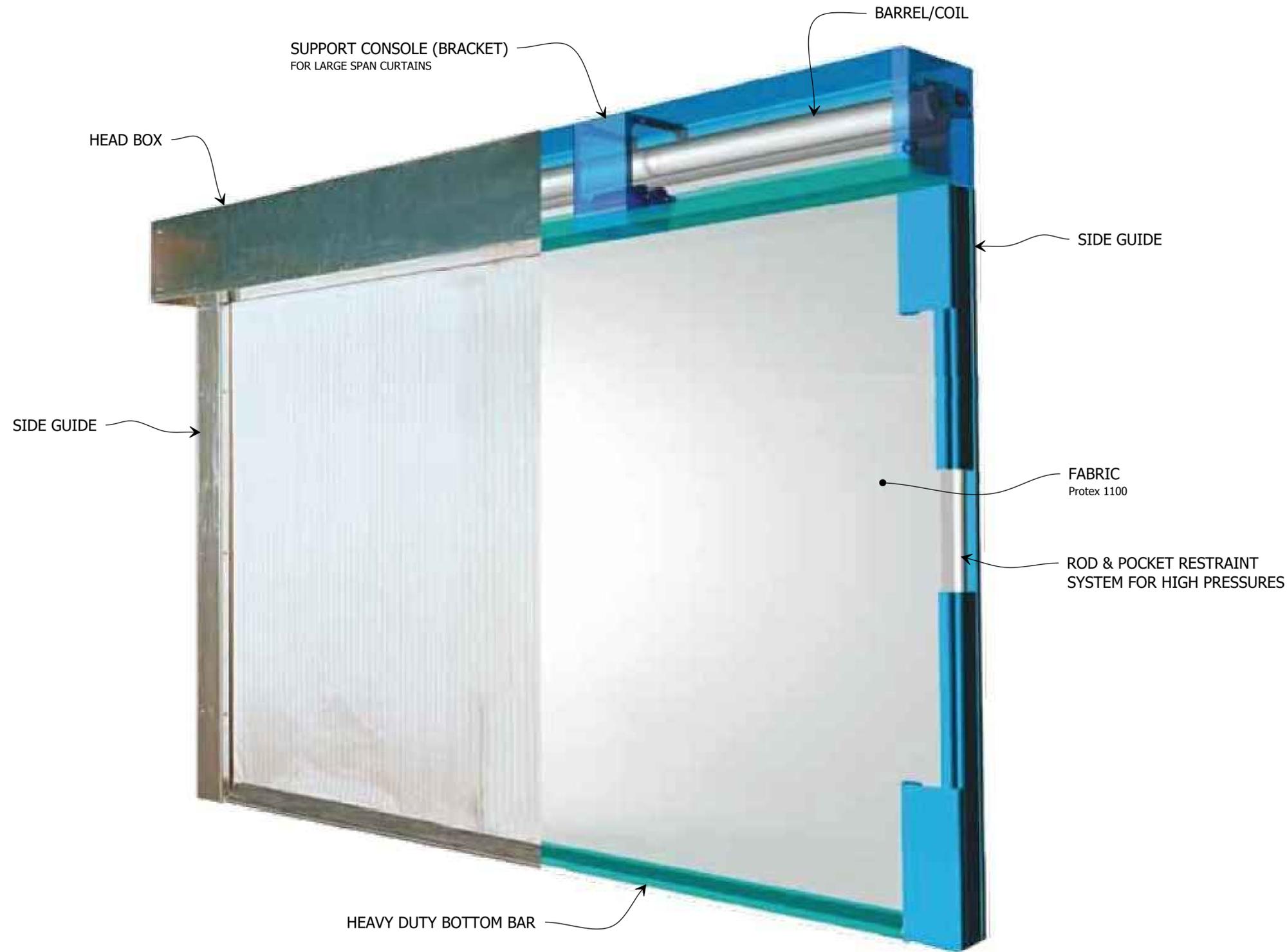
ISSUE STATUS:
FOR INFORMATION

SCALE
AS SHOWN @A2

FILE: SCS-FSV.dwg --- PLOTTED ON 01/09/2020 BY ISHTIAQUE ALAM

420mm

FIBERSHIELD V - PREMIUM FIRE CURTAIN



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

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PROJECT
 SCS-FSV
 FIBERSHIELD V STANDARD TEMPLATE

CLIENT

TITLE
 3D INDICATIVE VIEW

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER	REV
SCS-FSV-0002	-

DRAWN BY I.A.	ISSUE STATUS: FOR INFORMATION
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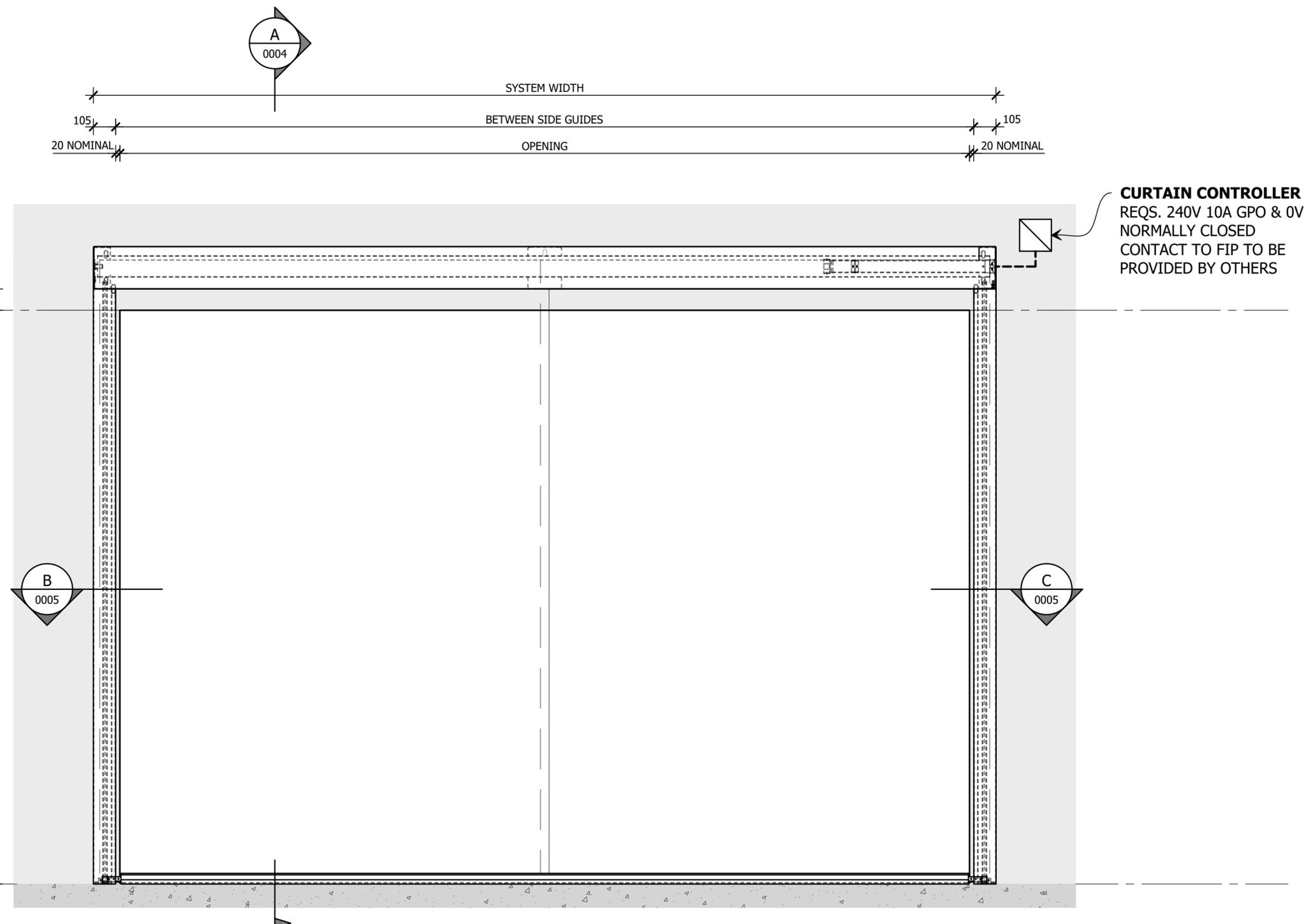
START DATE 01/09/2020	SCALE AS SHOWN @A2
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FILE: SCS-FSV.dwg --- PLOTTED ON 01/09/2020 BY ISHTIAQUE ALAM

420mm
 <<< 594mm

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REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	01/09/2020



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PROJECT
 SCS-FSV
 FIBERSHIELD V STANDARD TEMPLATE

CLIENT

TITLE
 FRONT ELEVATION

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER
SCS-FSV-0003

DRAWN BY
 I.A.

ISSUE STATUS:
 FOR INFORMATION

START DATE
 01/09/2020

SCALE
 AS SHOWN @A2

FIXED BEARING TYPE			
SYSTEM SIZE		HEAD BOX SIZE	
SYSTEM WIDTH	DROP LENGTH	WIDTH	HEIGHT
< 5,000	< 4,000	190	200
< 5,000	> 3,500 ≤ 6,000	190	250
< 5,000	> 6,000 ≤ 9,000	235	290

FLOATING BEARING TYPE			
SYSTEM SIZE		HEAD BOX SIZE	
SYSTEM WIDTH	DROP LENGTH	WIDTH	HEIGHT
< 30,000	< 3,500	190	200
< 30,000	> 3,500 ≤ 6,000	190	250
< 20,000	> 6,000 ≤ 9,000	235	290

FRONT VIEW
1 FIBERSHIELD - V
 SCALE ### @ A2

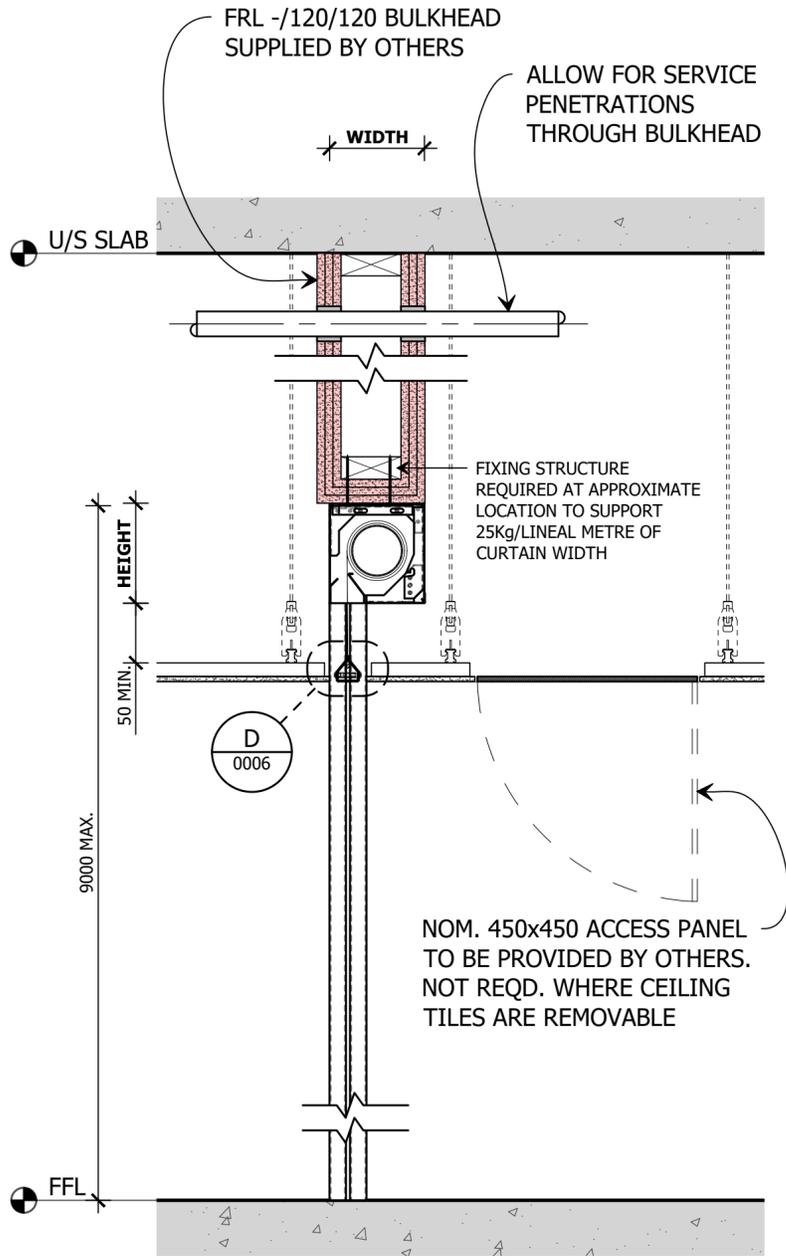
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HEAD BOX MOUNTING OPTIONS:

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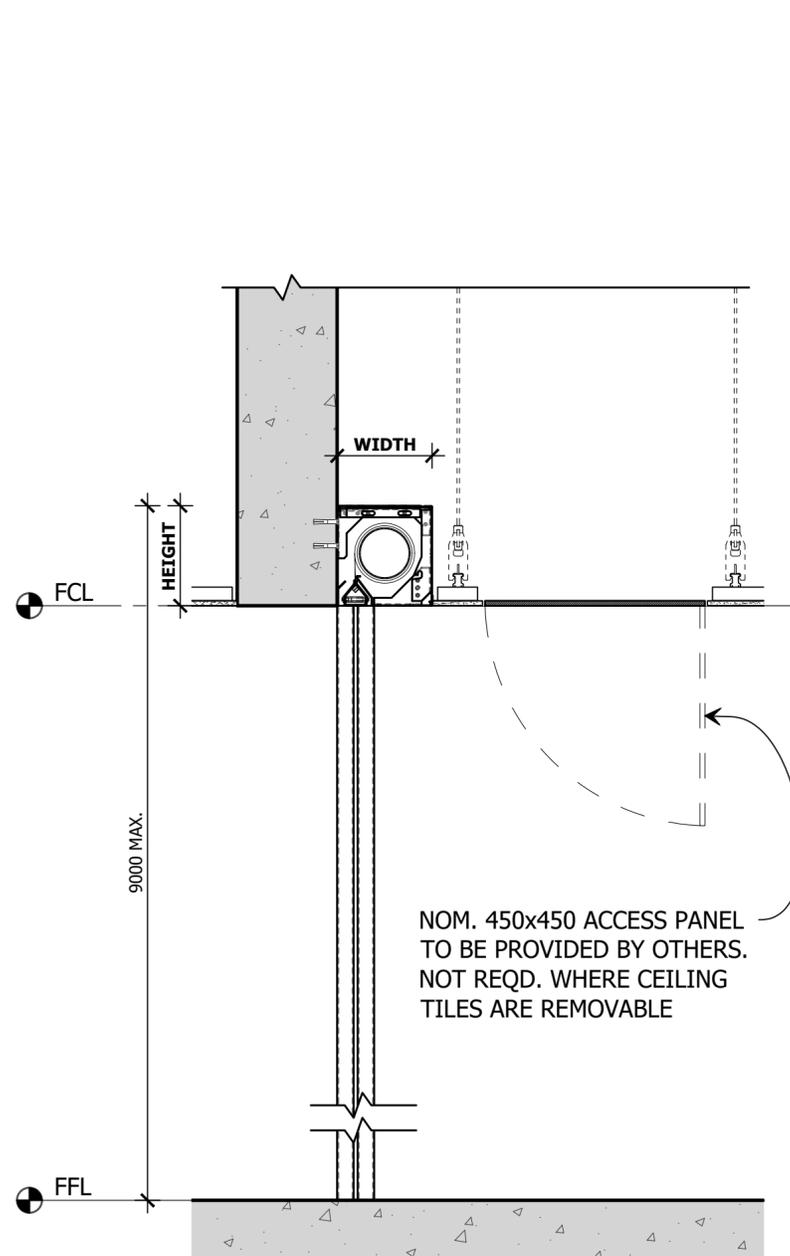
REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	01/09/2020

OPTION 1: SUSPENDED



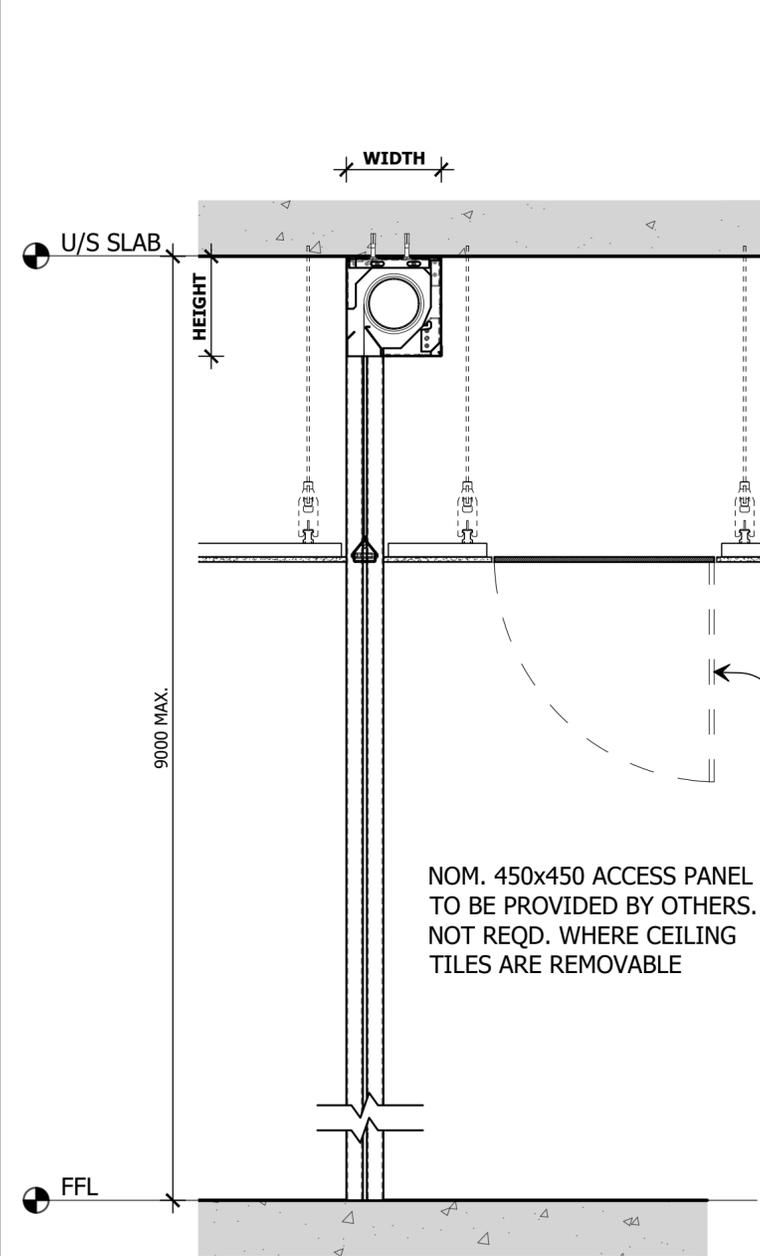
A SIDE ELEVATION SECTION
SCALE 1:10 @ A2

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
 SCS-FSV
 FIBERSHIELD V STANDARD TEMPLATE

CLIENT

TITLE
 SIDE ELEVATION
 HEADBOX MOUNTING OPTIONS

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER
SCS-FSV-0004

DRAWN BY
 I.A.

ISSUE STATUS:
 FOR INFORMATION

START DATE
 01/09/2020

SCALE
 AS SHOWN @A2

FIXED BEARING TYPE			
SYSTEM SIZE		HEAD BOX SIZE	
SYSTEM WIDTH	DROP LENGTH	WIDTH	HEIGHT
< 5,000	< 4,000	190	200
< 5,000	> 3,500 ≤ 6,000	190	250
< 5,000	> 6,000 ≤ 9,000	235	290

FLOATING BEARING TYPE			
SYSTEM SIZE		HEAD BOX SIZE	
SYSTEM WIDTH	DROP LENGTH	WIDTH	HEIGHT
< 30,000	< 3,500	190	200
< 30,000	> 3,500 ≤ 6,000	190	250
< 20,000	> 6,000 ≤ 9,000	235	290

FILE: SCS-FSV.dwg --- PLOTTED ON 01/09/2020 BY ISHTIAQUE ALAM

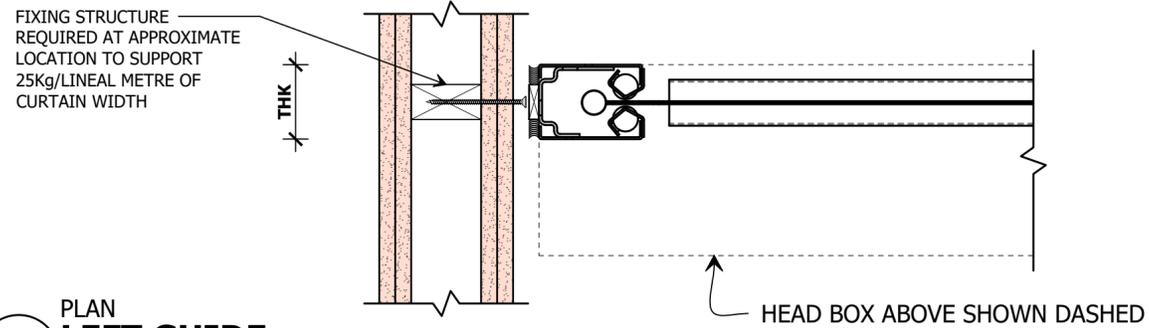
420mm

SIDE GUIDE MOUNTING OPTIONS:

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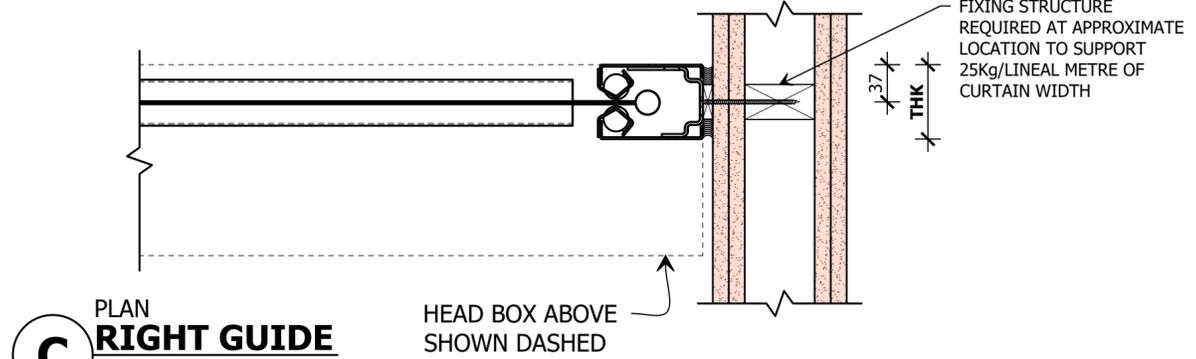
REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	01/09/2020

LEFT: TOE FIXED



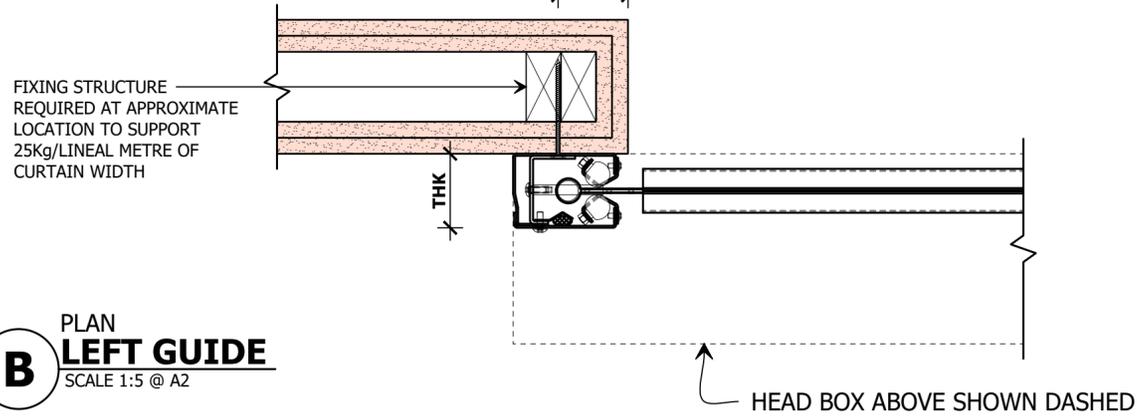
B PLAN
LEFT GUIDE
SCALE 1:5 @ A2

RIGHT: TOE FIXED



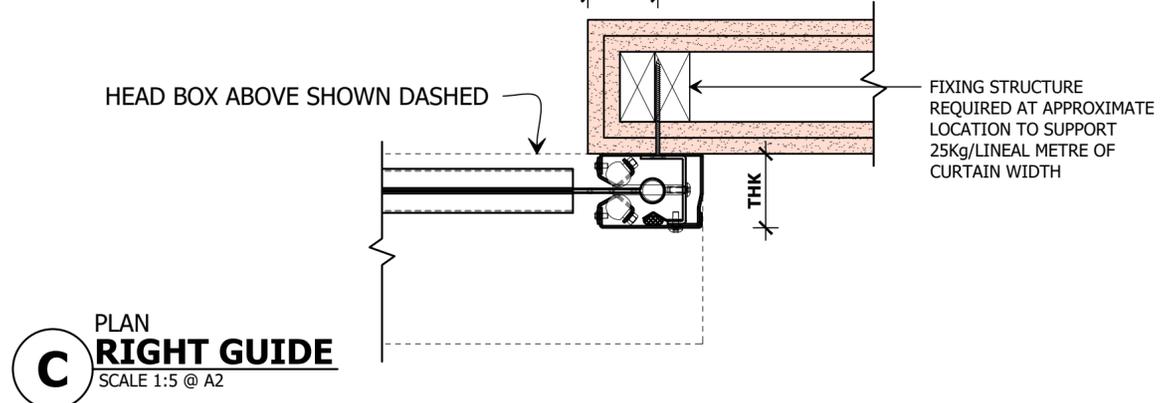
C PLAN
RIGHT GUIDE
SCALE 1:5 @ A2

LEFT: FACE FIXED



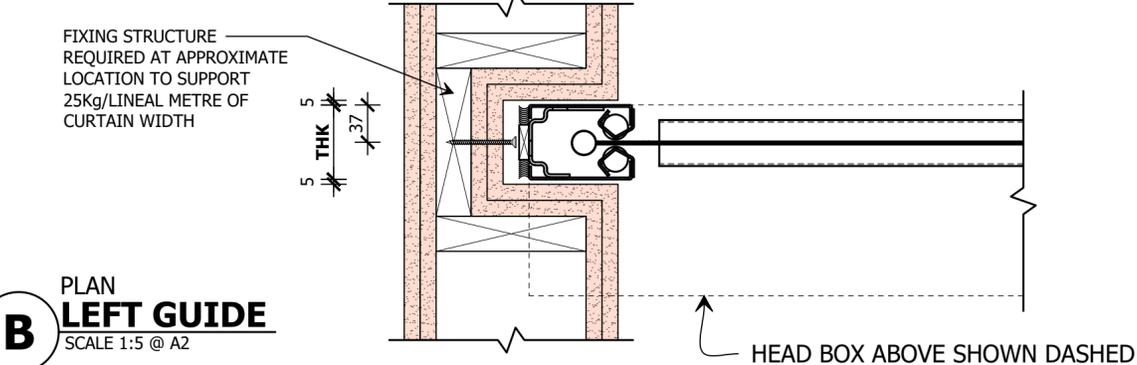
B PLAN
LEFT GUIDE
SCALE 1:5 @ A2

RIGHT: FACE FIXED



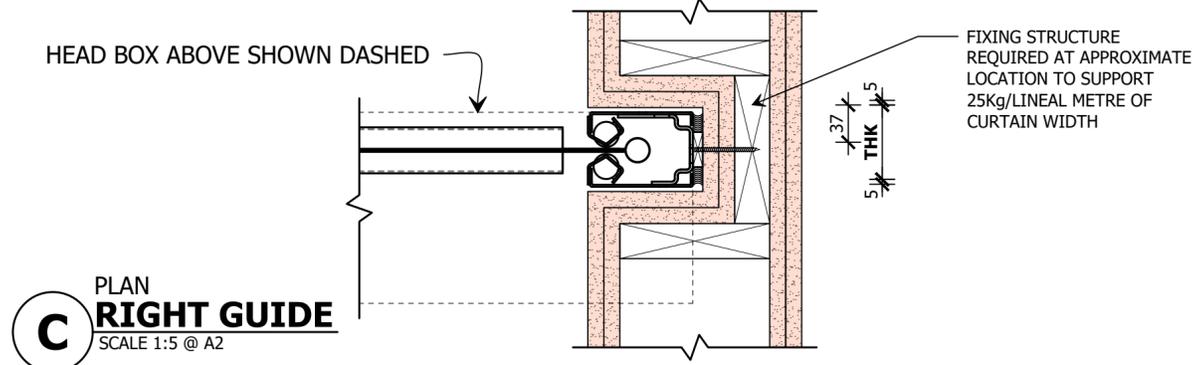
C PLAN
RIGHT GUIDE
SCALE 1:5 @ A2

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
 SCS-FSV
 FIBERSHIELD V STANDARD TEMPLATE

CLIENT

TITLE
 PLAN VIEW
 SIDEGUIDE MOUNTING OPTIONS

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER
SCS-FSV-0005

DRAWN BY
 I.A.

ISSUE STATUS:
 FOR INFORMATION

START DATE
 01/09/2020

SCALE
 AS SHOWN @A2

SIDE GUIDE SIZE			
DROP LENGTH	OPENING AREA	WID	THK
≤ 6,000	≤ 70m ²	105	74
≤ 9,000	≤ 120m ²	160	100

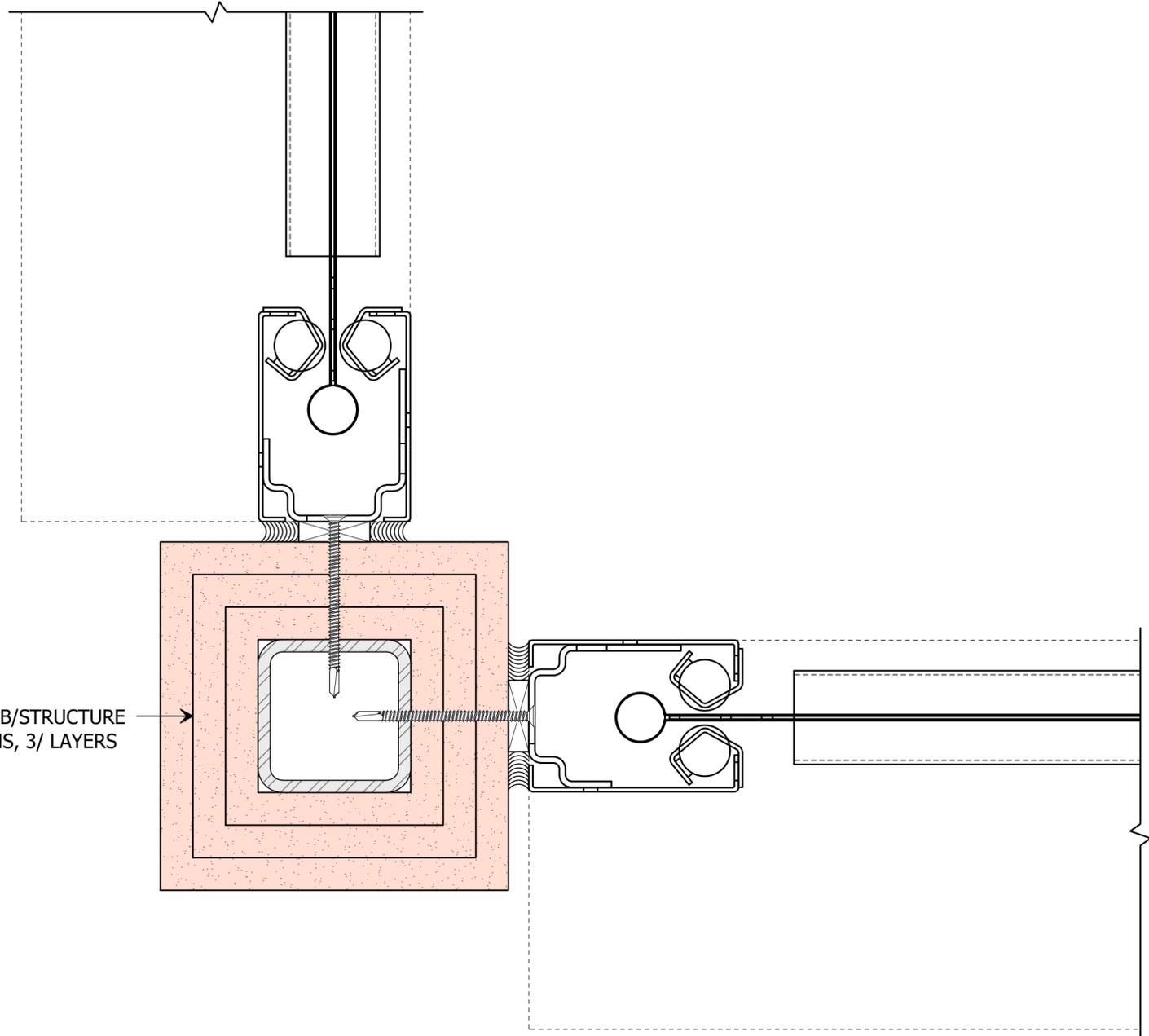
FILE: SCS-FSV.dwg --- PLOTTED ON 01/09/2020 BY ISHTIAQUE ALAM

420mm

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REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	01/09/2020



FRL 120/120/120 POST FIXED TOP & BOTTOM SLAB/STRUCTURE SHOWN: 3/ LAYERS 16mm FYRCHECK, 75x75x6 SHS, 3/ LAYERS 16mm FYRCHECK

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PROJECT
 SCS-FSV
 FIBERSHIELD V STANDARD TEMPLATE

CLIENT

TITLE
 CORNER POST DETAIL

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER	REV
SCS-FSV-0006	-

DRAWN BY I.A.	ISSUE STATUS:
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START DATE 01/09/2020	SCALE AS SHOWN @A2
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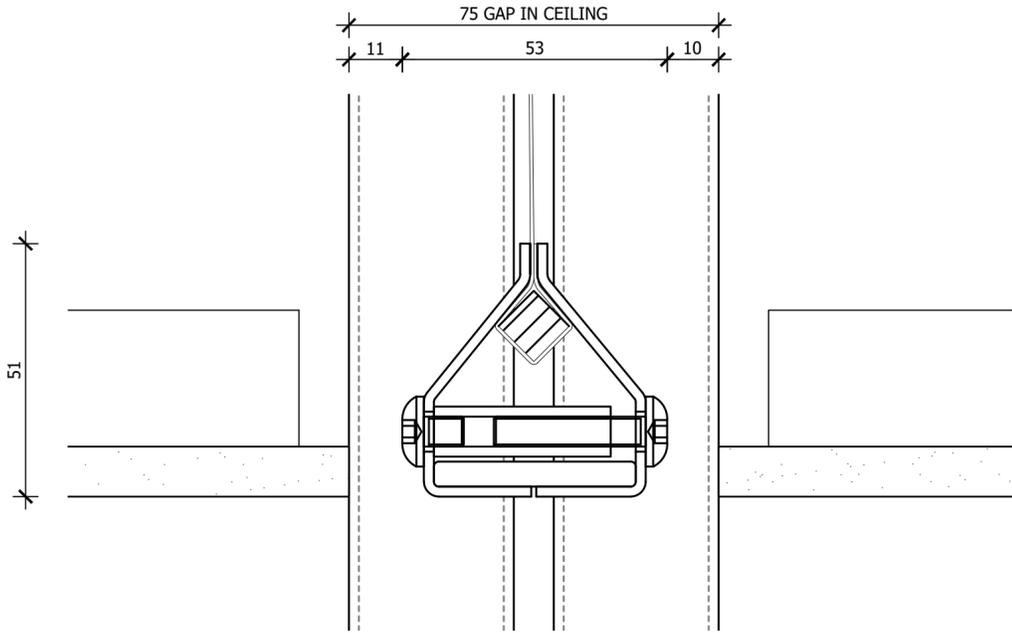
420mm
594mm

BOTTOM BAR OPTIONS:

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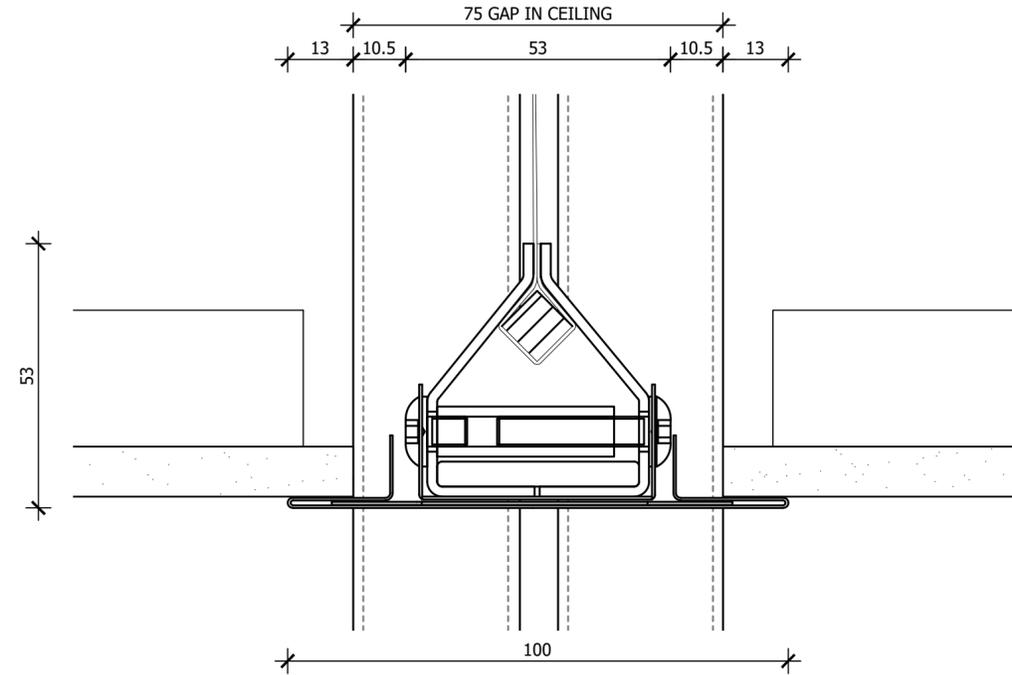
REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	01/09/2020

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
 SCS-FSV
 FIBERSHIELD V STANDARD TEMPLATE

CLIENT

TITLE
 BOTTOM BAR OPTIONS

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER
SCS-FSV-0007

ISSUE STATUS:
 FOR INFORMATION

SCALE
 AS SHOWN @A2

FILE: SCS-FSV.dwg --- PLOTTED ON 01/09/2020 BY ISHTIAQUE ALAM

420mm

IRS40 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.

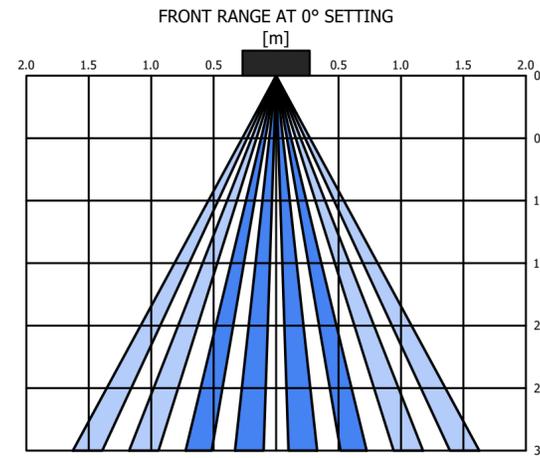
ELIMINATE THE REQUIREMENT FOR LINE MARKINGS AND MULTI-COLOURED EXCLUSION ZONES WHICH DETRACT FROM THE INTERIOR DESIGN! THE AUTOMATED IRS40 IS SUITABLE FOR USE ON ALL OF SMOKE CONTROL'S FIRE AND SMOKE CURTAIN SYSTEMS.

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.

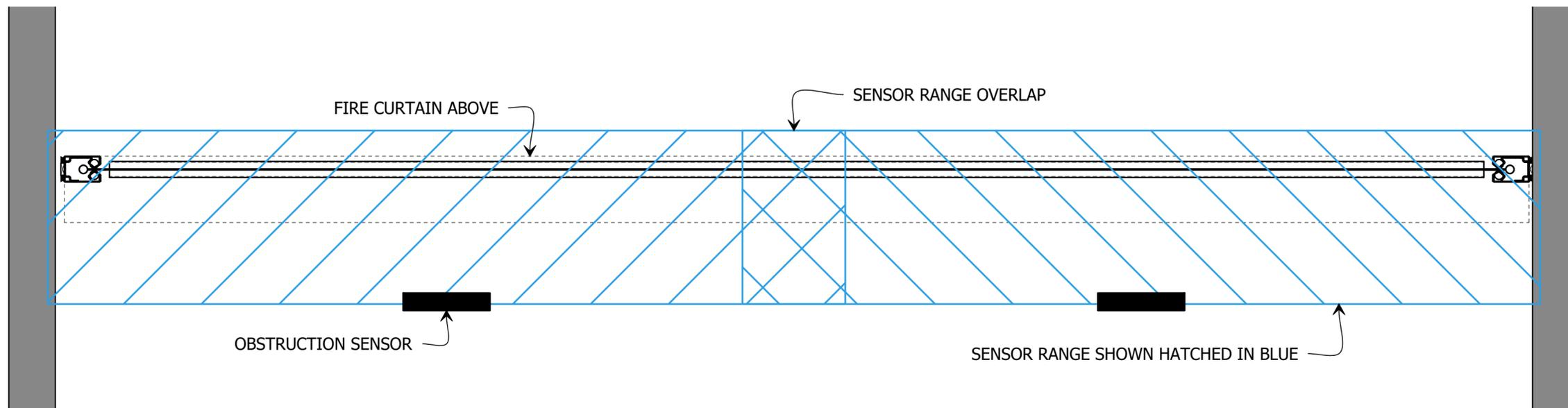
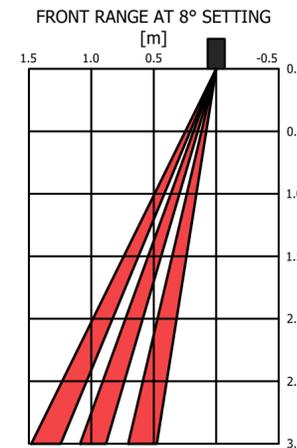
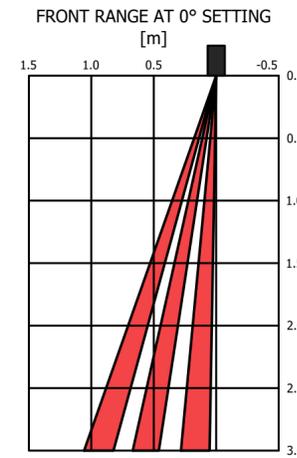
THE IRS40 SENSOR SYSTEM IS UNIQUE AND WILL NOT CAUSE THIS CONFLICT, ALLOWING THE BARRIER TO BOTH OPERATE AS INTENDED AND MAINTAIN COMPLIANCE WITH THE PERFORMANCE SOLUTION AT ALL TIMES.

WHEN AN 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



GRAPHS SHOWN ARE APPROXIMATE RANGES



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

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PROJECT
 SCS-FSV
 FIBERSHIELD V STANDARD TEMPLATE

CLIENT

TITLE
 OBSTRUCTION SENSORS

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER
SCS-FSV-0008

DRAWN BY
 I.A.

ISSUE STATUS:
 FOR INFORMATION

START DATE
 01/09/2020

SCALE
 AS SHOWN @A2

FILE: SCS-FSV.dwg --- PLOTTED ON 01/09/2020 BY ISHTIAQUE ALAM

420mm

<<< 594mm