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 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 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. *(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 - HEADBOX MOUNTING OPTIONS	-
0005	PLAN VIEW - SIDEGUIDE MOUNTING OPTIONS	-
0006	CORNER POST DETAIL	-
0007	BOTTOM BAR OPTIONS	-
0008	OBSTRUCTION SENSORS	-

DIFFERENTIAL PRESSURE

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

FIBERSHIELD V	HEAD BOX & BOTTOM BAR	GALVANISED STEEL	-/120/-	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		
SYSTEM	**COMPONENT**	**MATERIALS**	**FRL**	**COLOUR/FINISH**		

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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

REV
-

DRAWN BY
I.A.

ISSUE STATUS:
FOR INFORMATION

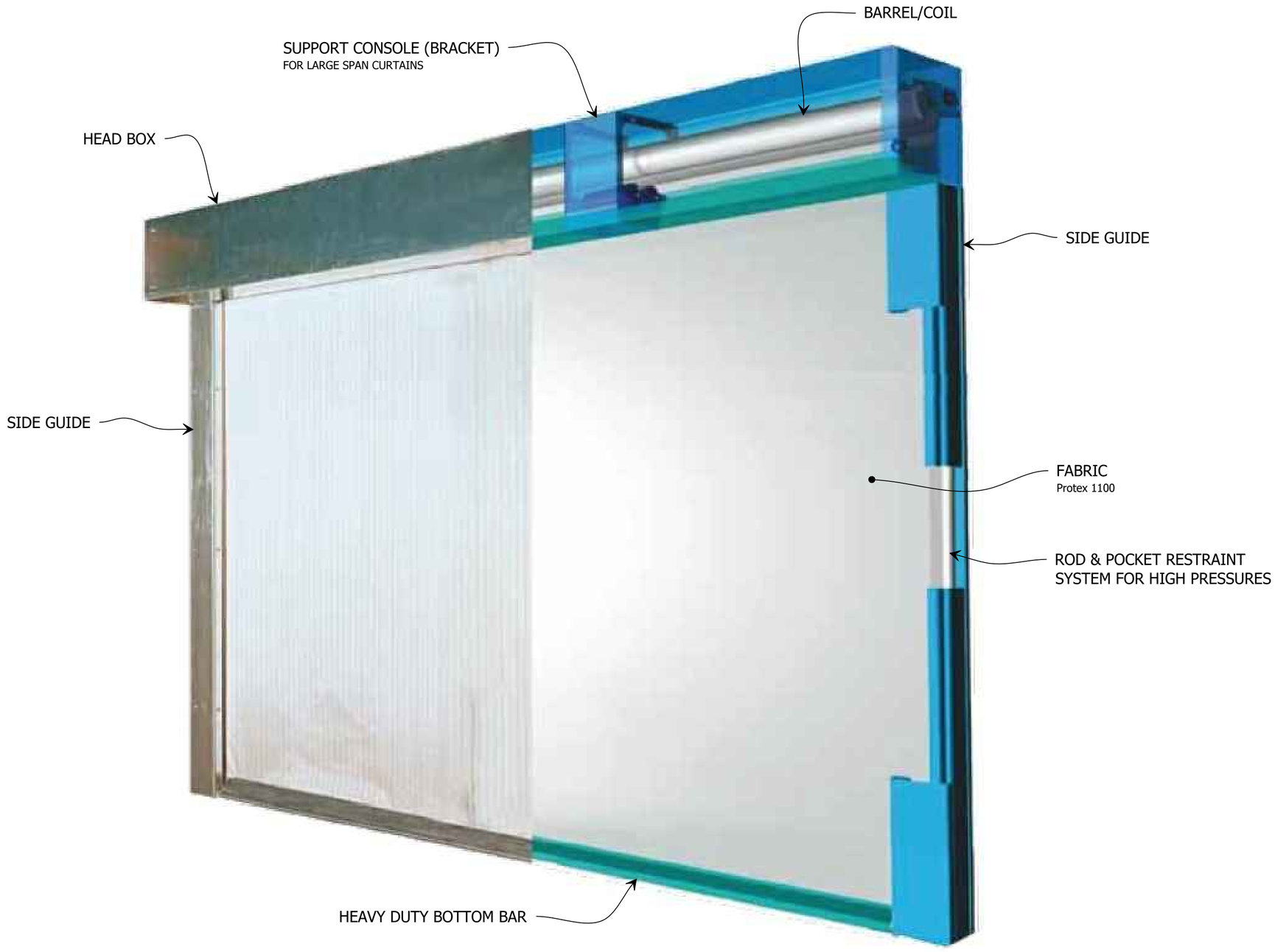
START DATE
01/09/2020

SCALE
AS SHOWN @A2

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

>>> 420mm
<<< 594mm

FIBERSHIEL 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

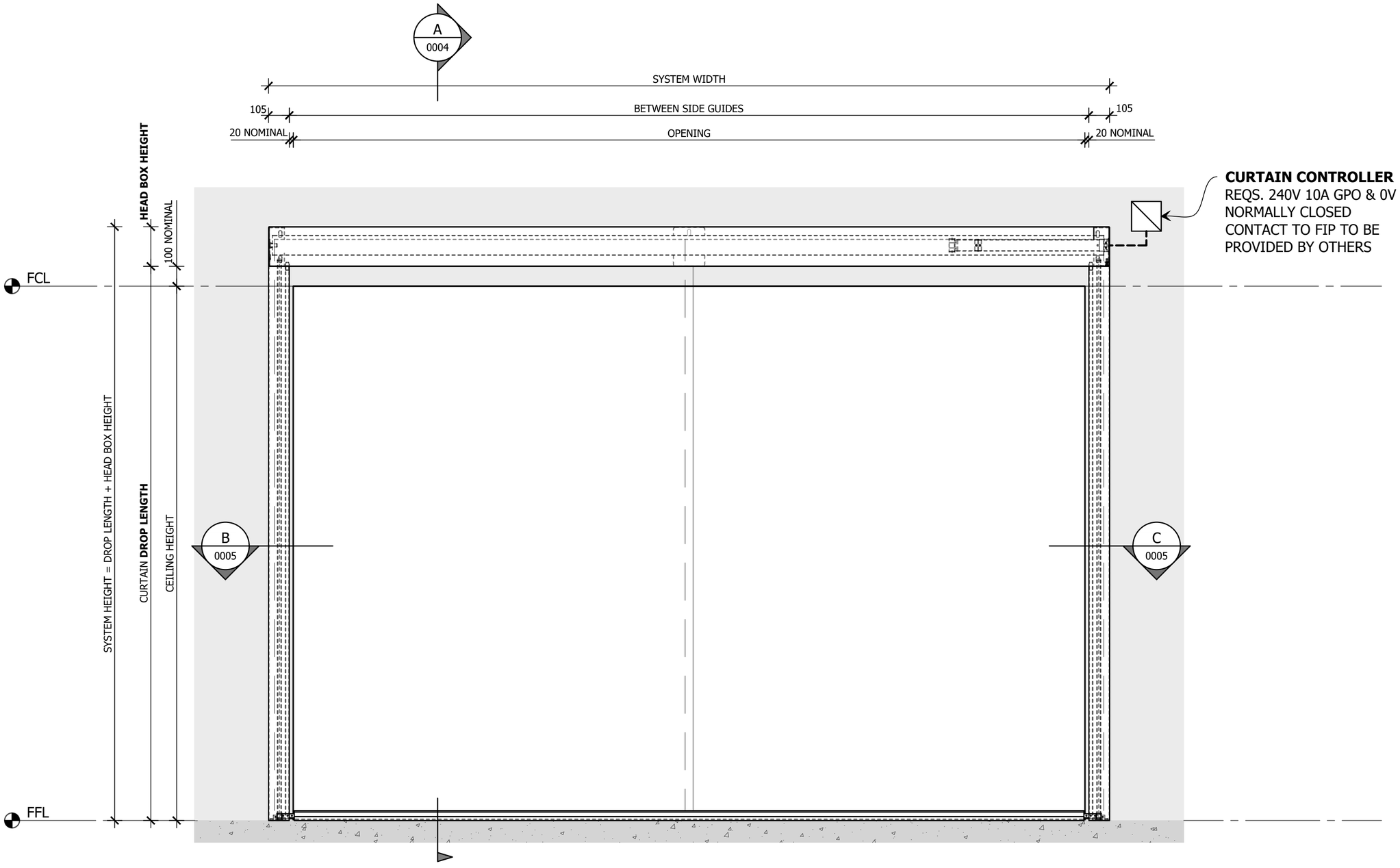
SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER	REV
SCS-FSV-0002	-

DRAWN BY	ISSUE STATUS:
I.A.	FOR INFORMATION
START DATE	SCALE
01/09/2020	AS SHOWN @A2

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

<<< 420mm
<<< 594mm



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

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

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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

REV
-

DRAWN BY
I.A.

ISSUE STATUS:
FOR INFORMATION

START DATE
01/09/2020

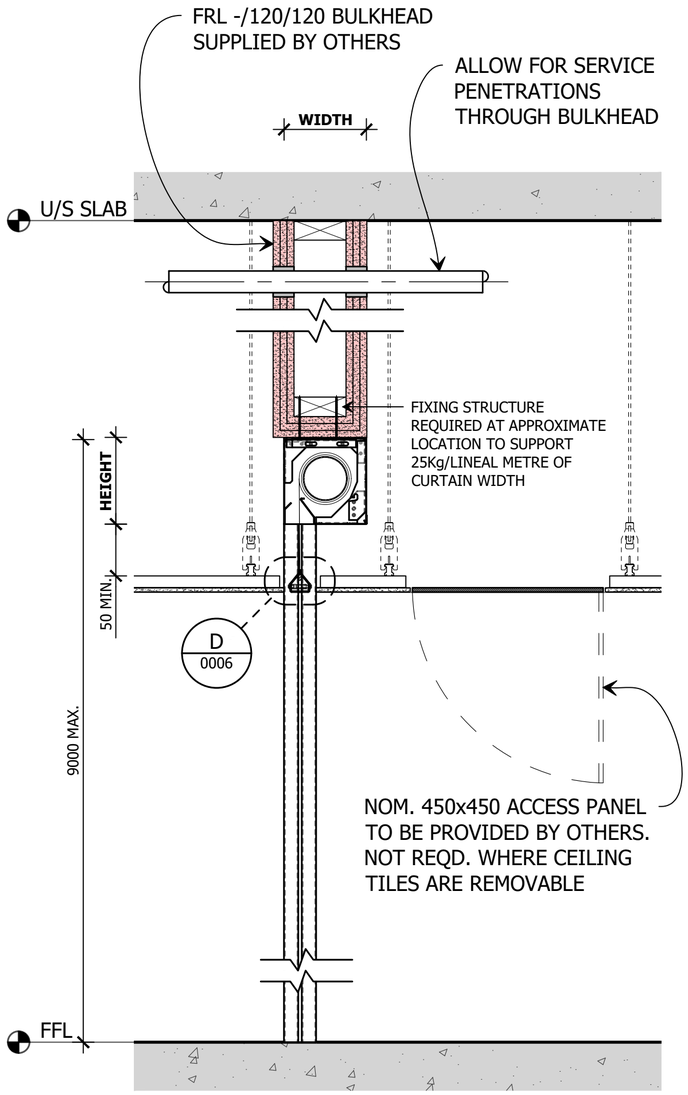
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AS SHOWN @A2

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<<< 594mm

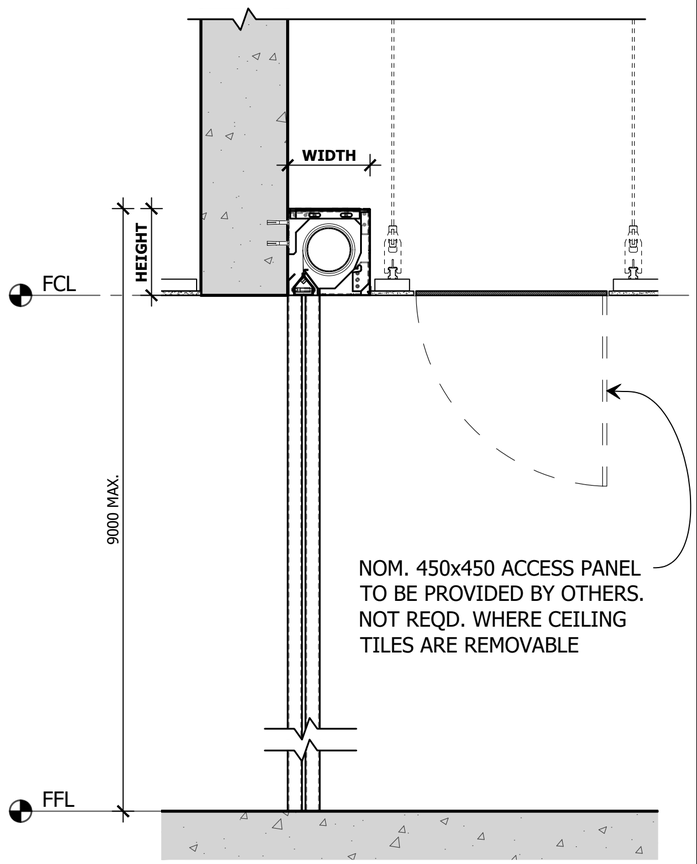
HEAD BOX MOUNTING OPTIONS:

OPTION 1: SUSPENDED



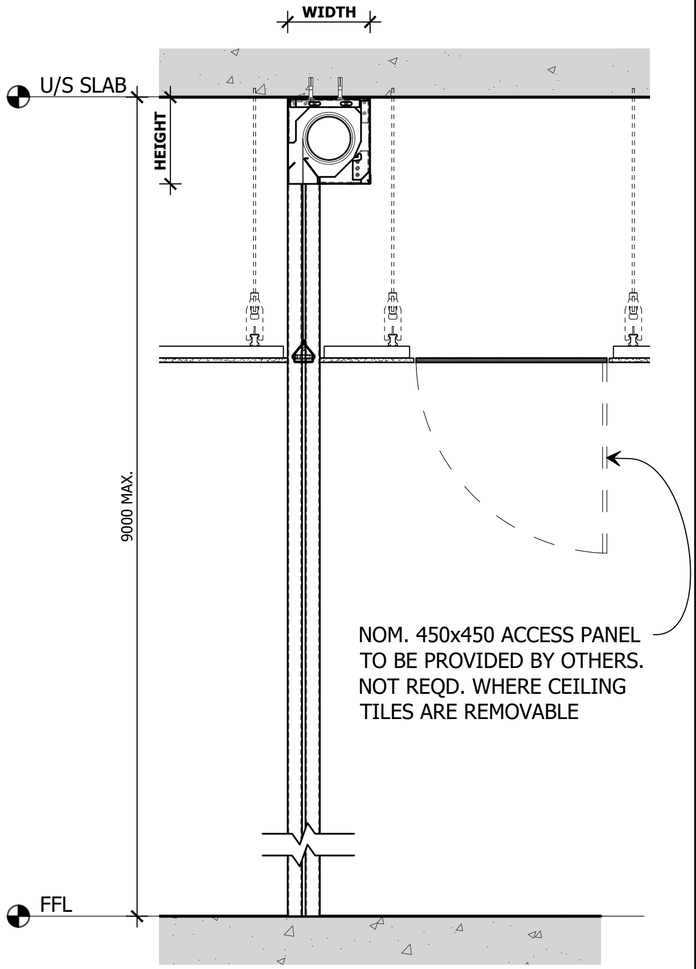
SIDE ELEVATION
A SECTION
SCALE 1:10 @ A2

OPTION 2: FACE FIXED



SIDE ELEVATION
A SECTION
SCALE 1:10 @ A2

OPTION 3: TOP FIXED



SIDE ELEVATION
A SECTION
SCALE 1:10 @ 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

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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

REV
-

DRAWN BY
I.A.

ISSUE STATUS:
FOR INFORMATION

START DATE
01/09/2020

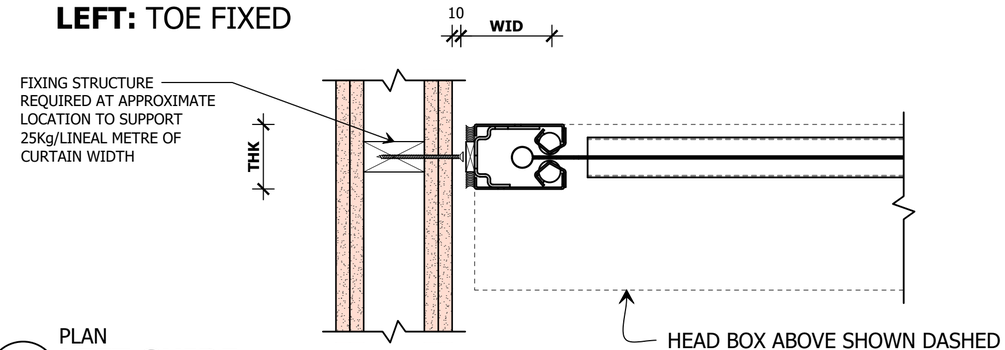
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AS SHOWN @A2

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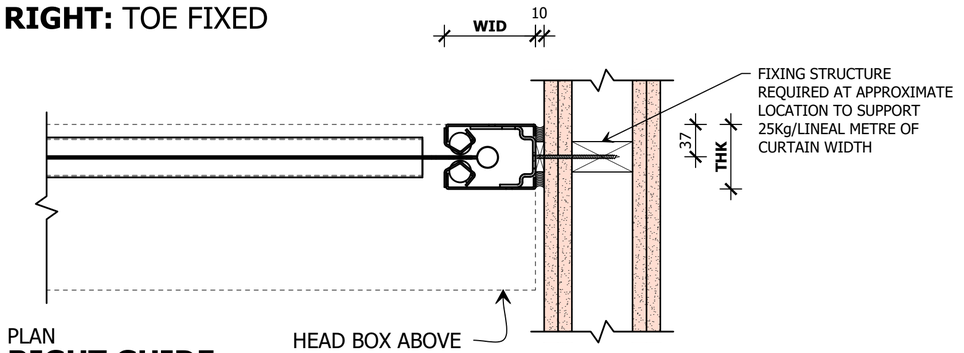
SIDE GUIDE MOUNTING OPTIONS:

LEFT: TOE FIXED



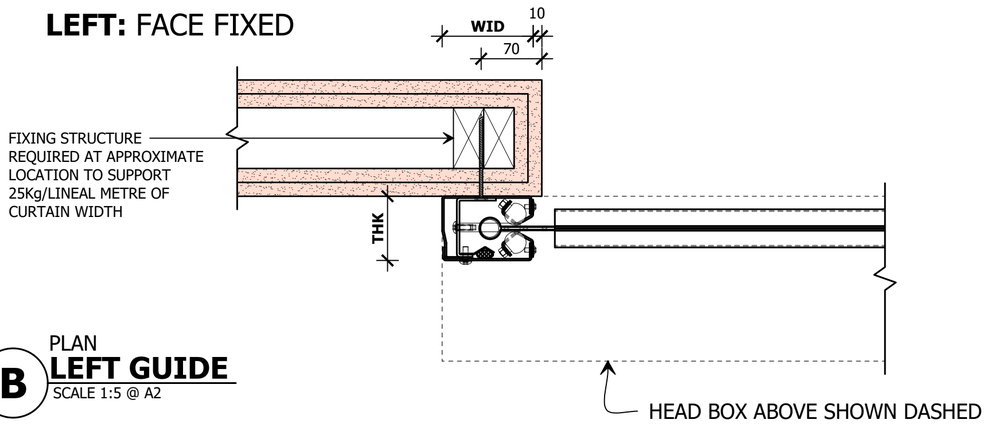
B PLAN
LEFT GUIDE
SCALE 1:5 @ A2

RIGHT: TOE FIXED



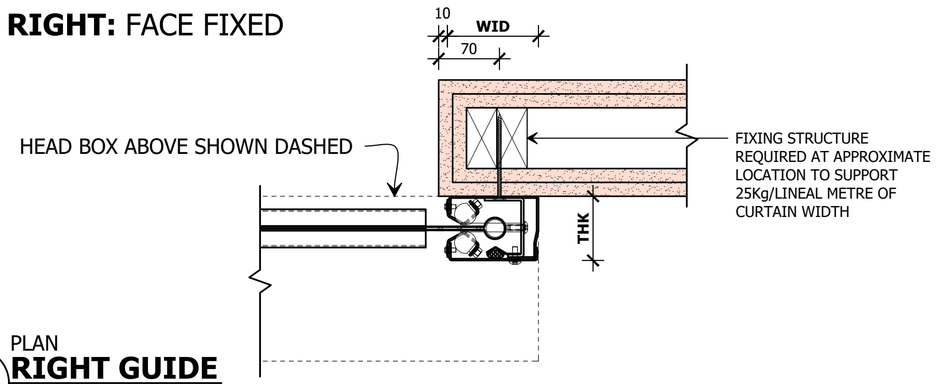
C PLAN
RIGHT GUIDE
SCALE 1:5 @ A2

LEFT: FACE FIXED



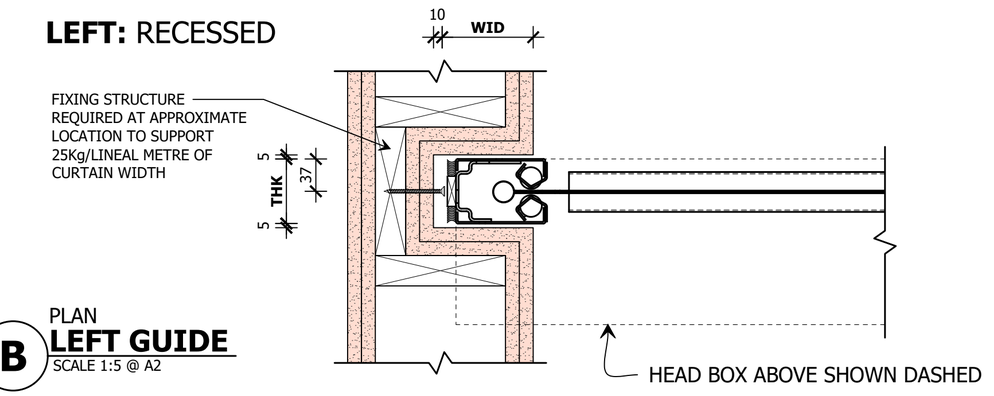
B PLAN
LEFT GUIDE
SCALE 1:5 @ A2

RIGHT: FACE FIXED



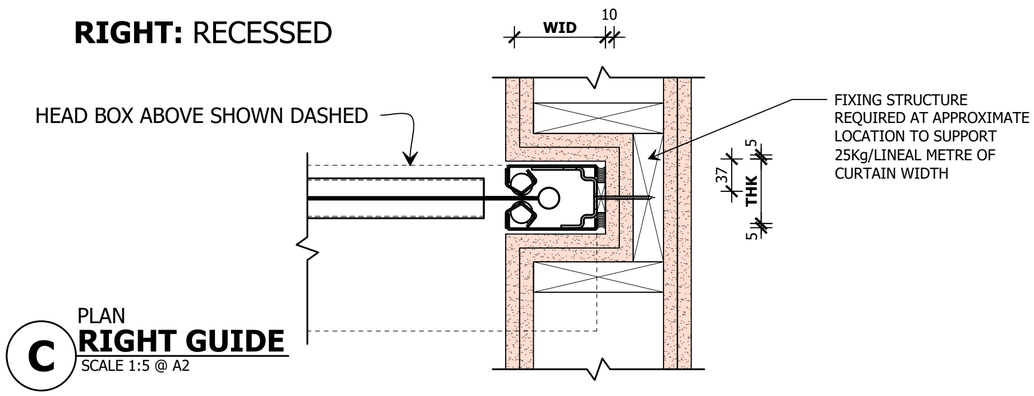
C PLAN
RIGHT GUIDE
SCALE 1:5 @ A2

LEFT: RECESSED



B PLAN
LEFT GUIDE
SCALE 1:5 @ A2

RIGHT: RECESSED



C PLAN
RIGHT GUIDE
SCALE 1:5 @ A2

SIDE GUIDE SIZE			
DROP LENGTH	**OPENING AREA**	**WID**	**THK**
≤ 6,000	≤ 70m²	105	74
≤ 9,000	≤ 120m²	160	100

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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
PLAN VIEW
SIDEGUIDE MOUNTING OPTIONS

SUB SET (CATEGORY)
00 - SPECIFICATIONS

DRAWING NUMBER
SCS-FSV-0005

REV
-

DRAWN BY
I.A.

ISSUE STATUS:
FOR INFORMATION

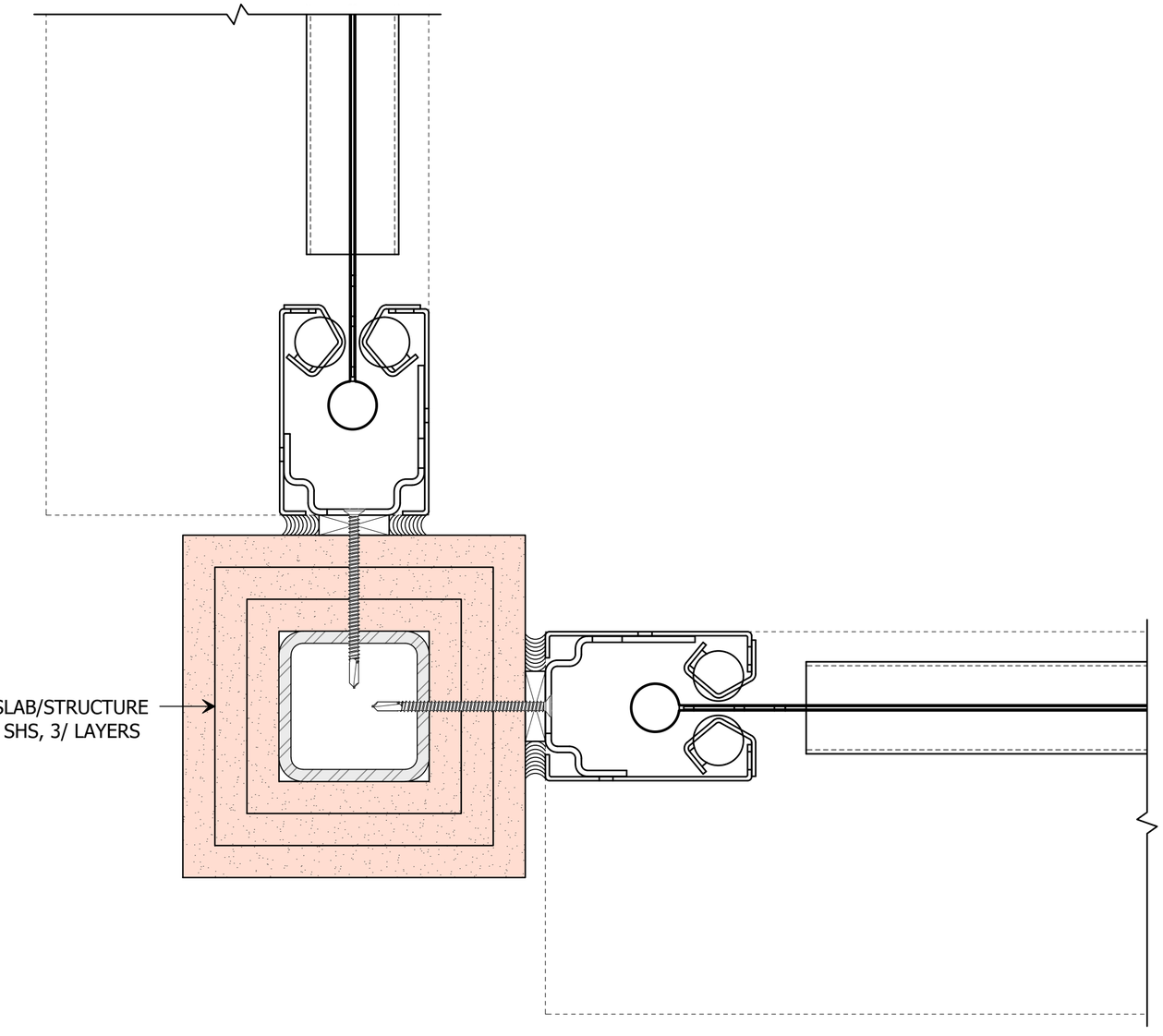
START DATE
01/09/2020

SCALE
AS SHOWN @A2

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

420mm >>>
<<< 594mm

CORNER POST DETAIL:



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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-	AC	FOR APPROVAL	01/09/2020

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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	ISSUE STATUS:
I.A.	

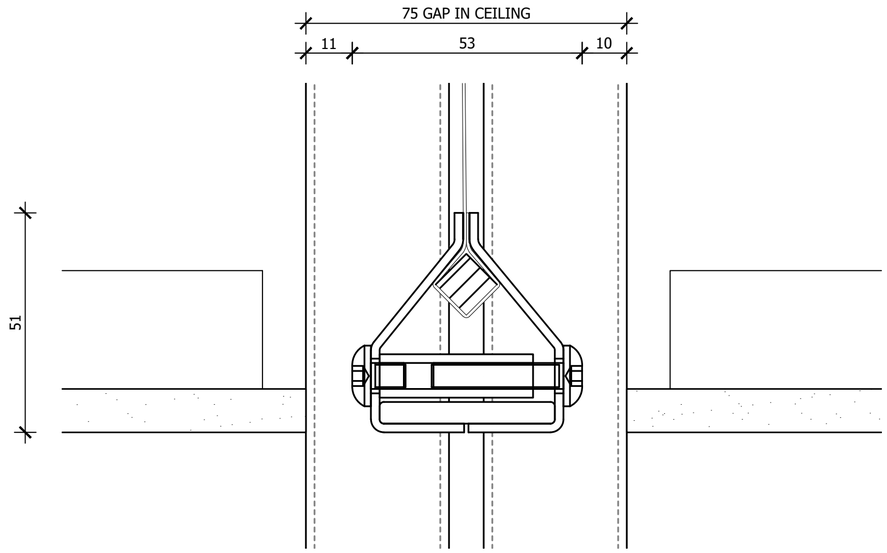
START DATE	SCALE
01/09/2020	AS SHOWN @A2

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

>>> 420mm
<<< 594mm

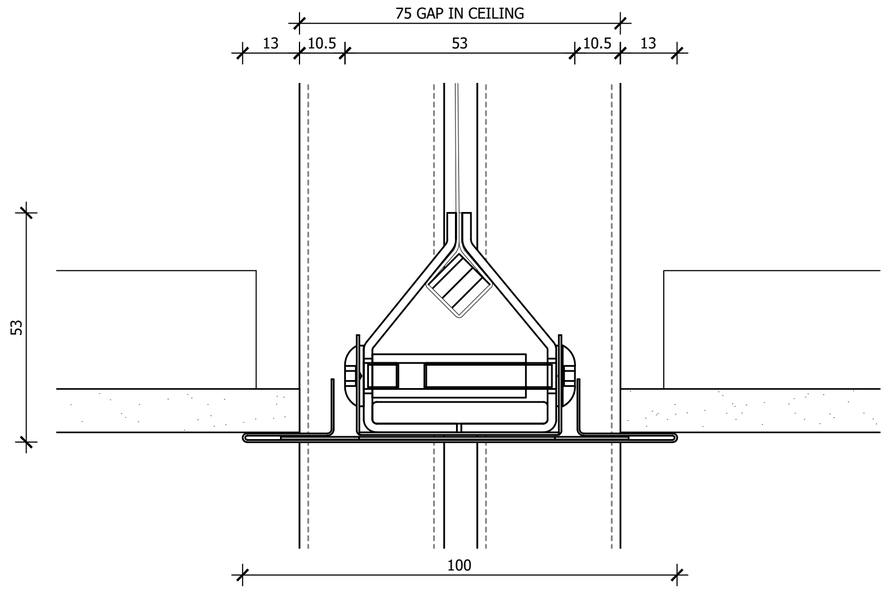
BOTTOM BAR OPTIONS:

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

REV
-

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

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.

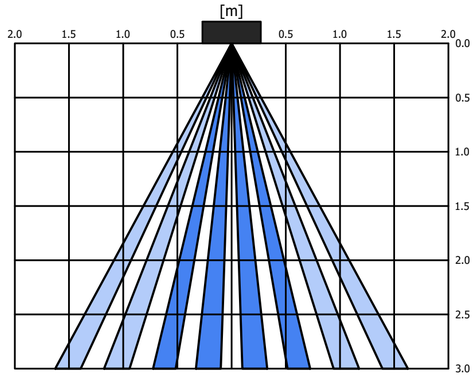
OTHER SENSOR SYSTEMS CAN REGISTER SMOKE AS AN OBSTRUCTION AND PREVENT DEPLOYMENT OF THE BARRIER WHEN IT IS ACTUALLY REQUIRED AND CONFLICT WITH THE INTENT OF THE ALTERNATIVE SOLUTION.

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 A 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.

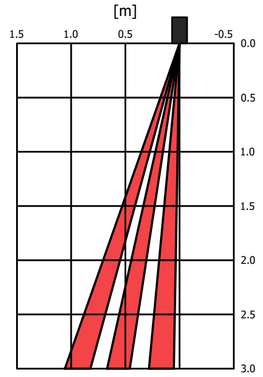
DIMENSIONS: 230mm (W), 70mm (H), 44mm (D)
IP RATING: IP54

FRONT RANGE AT 0° SETTING
[m]

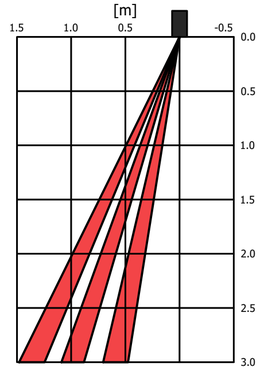


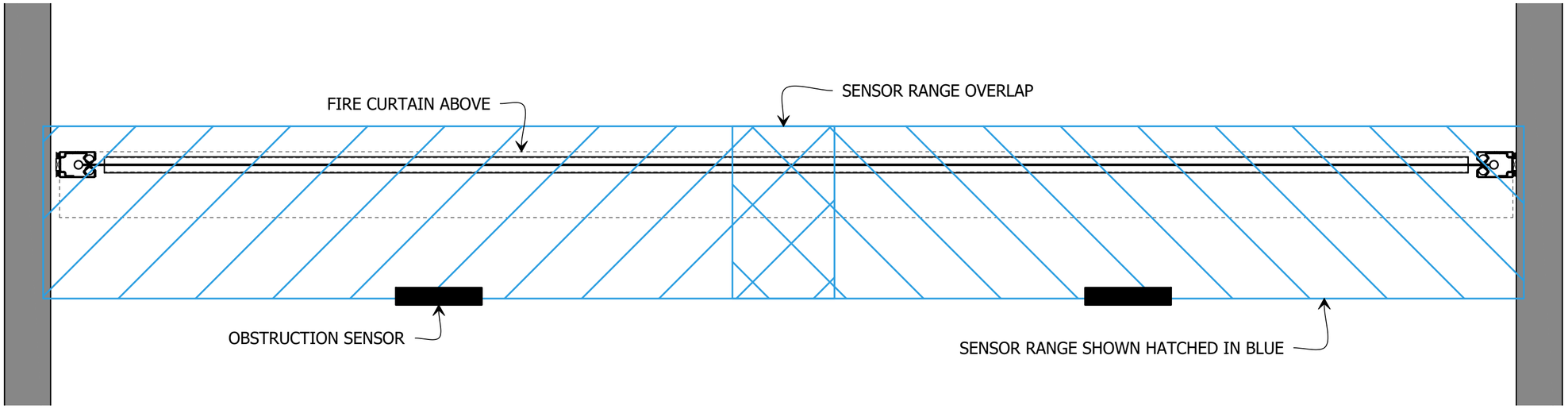
GRAPHS SHOWN ARE APPROXIMATE RANGES

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 APPROVAL	01/09/2020

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