

# SCS PROJECT: FYREHALT EVOLUTION 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 SYSTEMS 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)	ADEQUATE WORKING AREA REQD., MIN 500mm FROM SYSTEM TO STRUCTURE IS IDEAL. SUBJECT TO SITE CONDITIONS.	BUILDER
7	POSSIBLE OBSTRUCTIONS (WHERE PRESENT)	THERE MUST NOT BE ANYTHING INTERFERING WITH THE OPERATION OF CURTAIN IN ANY WAY. MIN. 100mm FROM SYSTEM TO ANY POSSIBLE OBSTRUCTION TO DROP LINE OF BOTTOM BAR IS IDEAL.	BUILDER
8	ACCESS PANELS (INSTALLATION WITHIN CEILING CAVITY)	450X450 NOM. ACCESS PANELS TO BE PROVIDED AT EACH MOTOR LOCATION WILL BE REQUIRED WHERE ACCESS TO HEAD BOX IS RESTRICTED.	BUILDER, CEILING CONTRACTOR
9	POWER REQUIREMENTS	240 VOLT 10 AMP GPO TO BE LOCATED WITHIN 1 METRE OF EACH MOTOR LOCATION.	BUILDER, ELECTRICAL
10	ALARM SIGNAL, ACTIVATION	0 VOLT NORMALLY CLOSED CONTACT (OPEN ON ALARM) TO BE PROVIDED WITHIN 1 METRE OF MASTER CONTROLLER LOCATION.	BUILDER, ELECTRICAL, FIRE
11	PRESSURISATION, EXHAUST SYSTEMS	<b>IMPORTANT:</b> BALANCING TO CONSIDER AFFECTS OF CURTAINS 40 PA MAX. PRESSURE DIFFERENTIAL STRONGLY RECOMMENDED. FOR HIGHER PRESSURES PLEASE CONTACT SMOKE CONTROL TECHNICAL DEPARTMENT.	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

DRAWING INDEX		
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0304	END GUIDE DETAIL - STUD WALL	-
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REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	11/09/2020

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PROJECT  
SCS - FHE  
FYREHALT EVOLUTION STANDARD  
TEMPLATE

CLIENT

TITLE  
COVER SHEET

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

DRAWING NUMBER  
**SCS - FHE-0001**

DRAWN BY  
I.A.

ISSUE STATUS:  
FOR INFORMATION

START DATE  
11/09/2020

SCALE  
AS SHOWN @A2

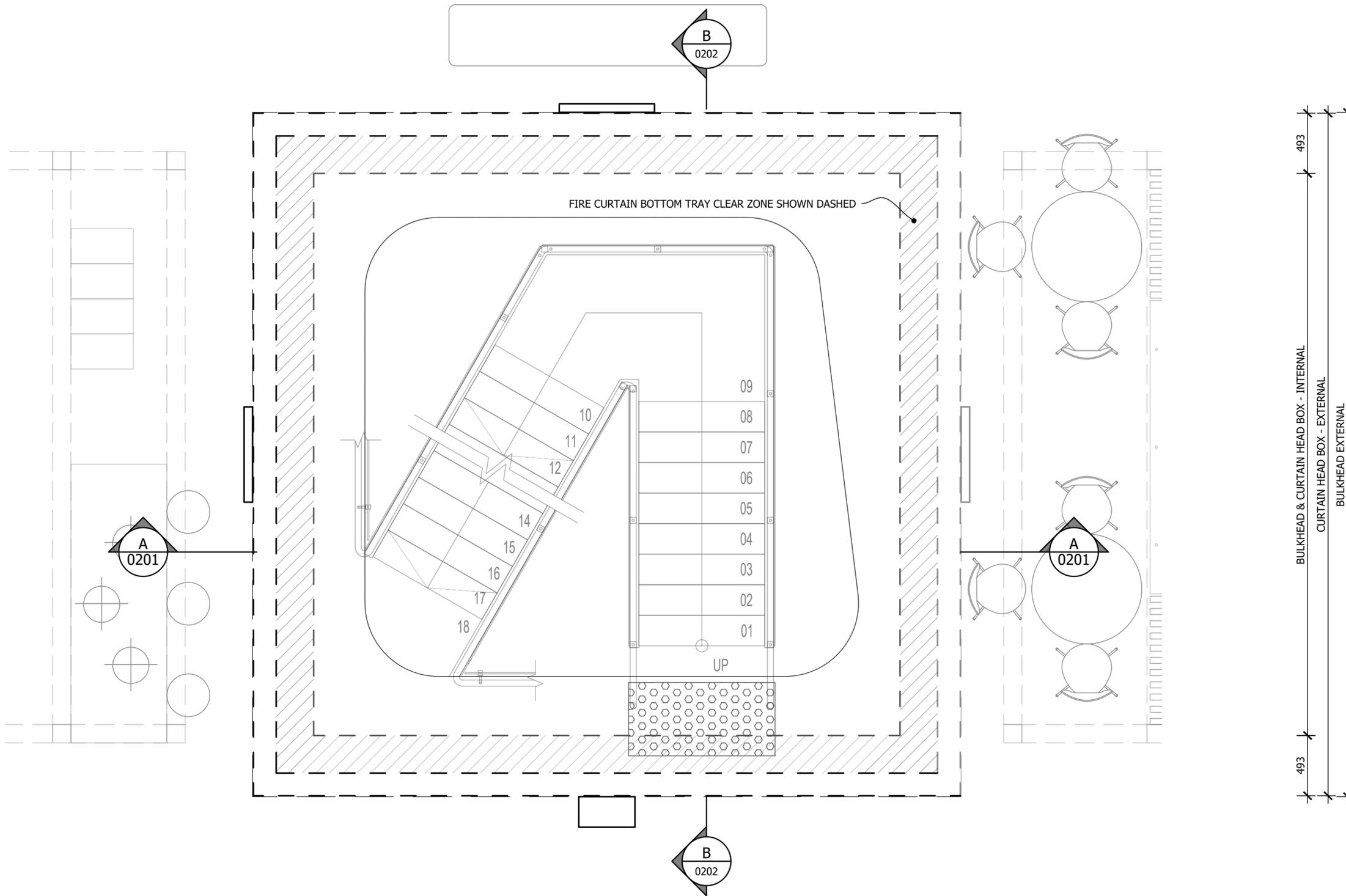
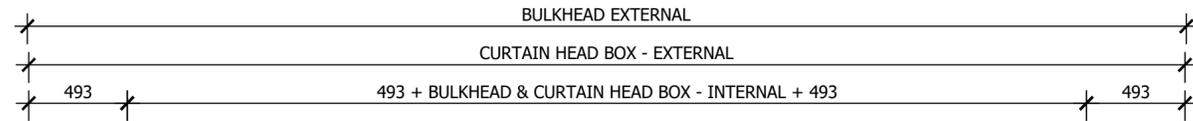
FYREHALT EVOLUTION	HEAD BOX & BOTTOM TRAY	GALVANISED STEEL	-/120/- AS1530.4	HEAD BOX	DULUX DURALLOY COLOUR TBA WILL COME IN RAW FINISH IF COLOUR IS NOT PROVIDED BY CLIENT
	SIDE GUIDES	GALVANISED STEEL		SIDE GUIDES	
	FABRIC	1100°C RATED		BOTTOM TRAY	
<b>SYSTEM</b>	<b>COMPONENT</b>	<b>MATERIALS</b>	<b>FRL</b>	<b>COLOUR/FINISH</b>	
<b>PRODUCT SPECIFICATIONS</b>					

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

420mm

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NO	CHK	REASON	DATE
-	AC	FOR APPROVAL	11/09/2020



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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 SQUARE CONFIG PLAN

SUB SET (CATEGORY)  
**01 - PLAN**

DRAWING NUMBER  
**SCS - FHE-0101**

DRAWN BY  
 I.A.

ISSUE STATUS:  
 FOR INFORMATION

START DATE  
 11/09/2020

SCALE  
 AS SHOWN @A2

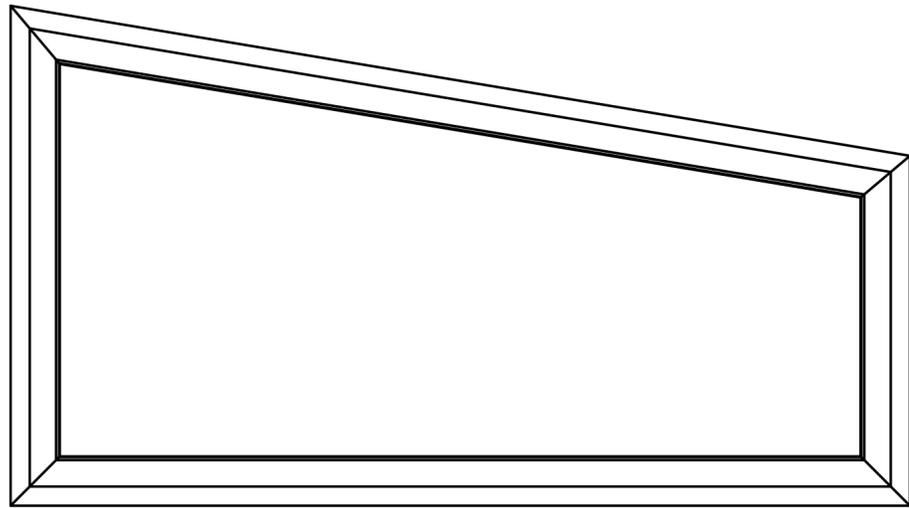
1 PLAN  
 FYREHALT EVOLUTION - FIRE CURTAIN  
 SCALE 1:25 @ A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

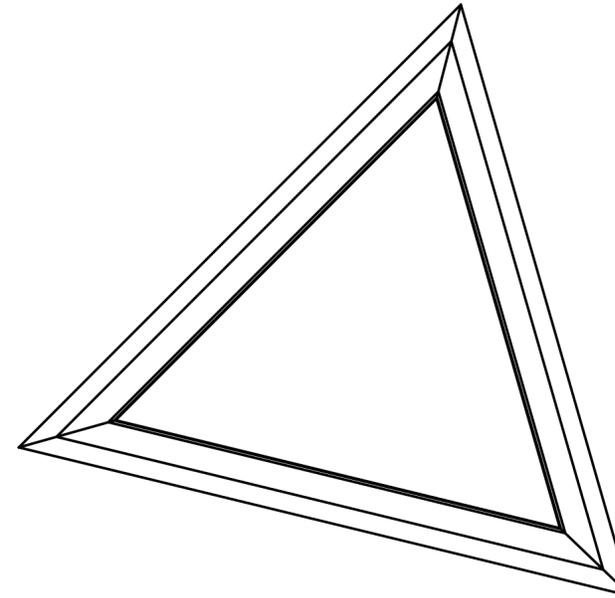
420mm  
 594mm

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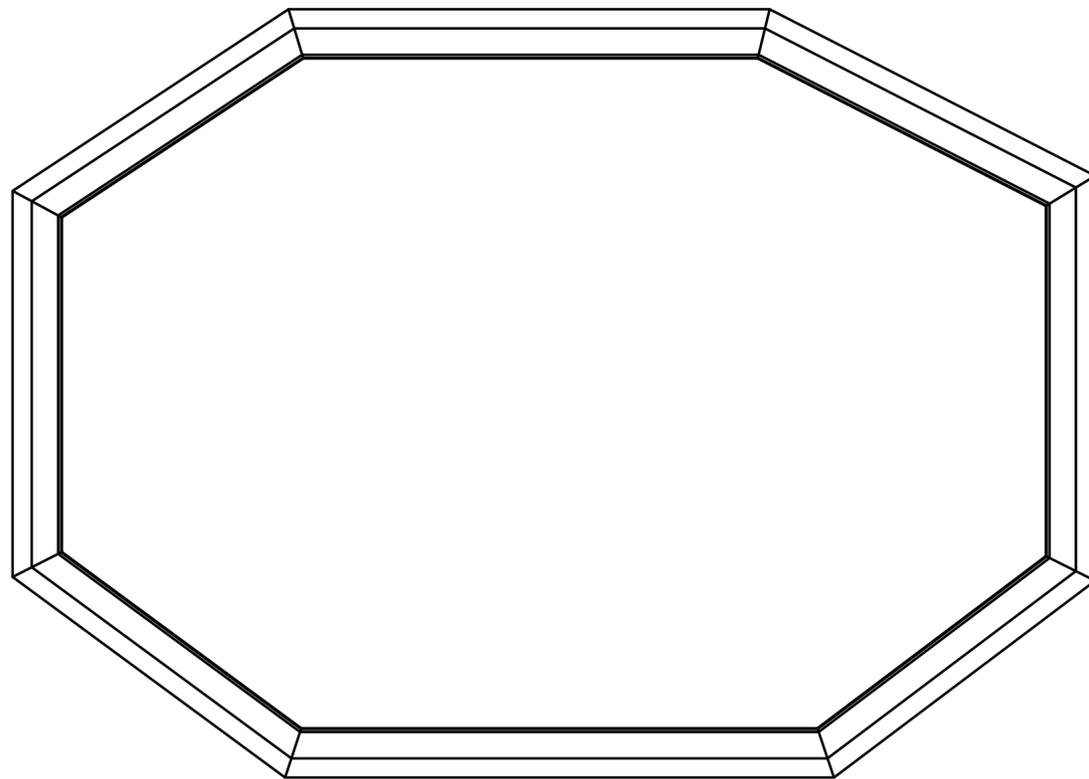
REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	11/09/2020



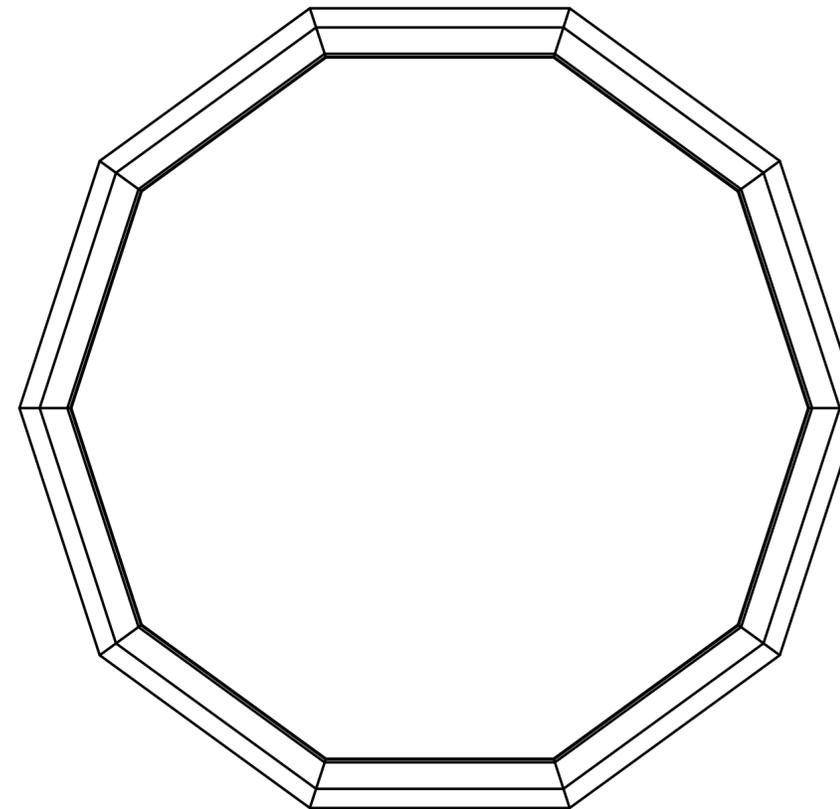
REFLECTED CEILING PLAN  
CONFIG 1



REFLECTED CEILING PLAN  
CONFIG 2



REFLECTED CEILING PLAN  
CONFIG 3



REFLECTED CEILING PLAN  
CONFIG 4

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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 TYPICAL CLOSED CONFIGURATIONS

SUB SET (CATEGORY)  
**01 - PLAN**

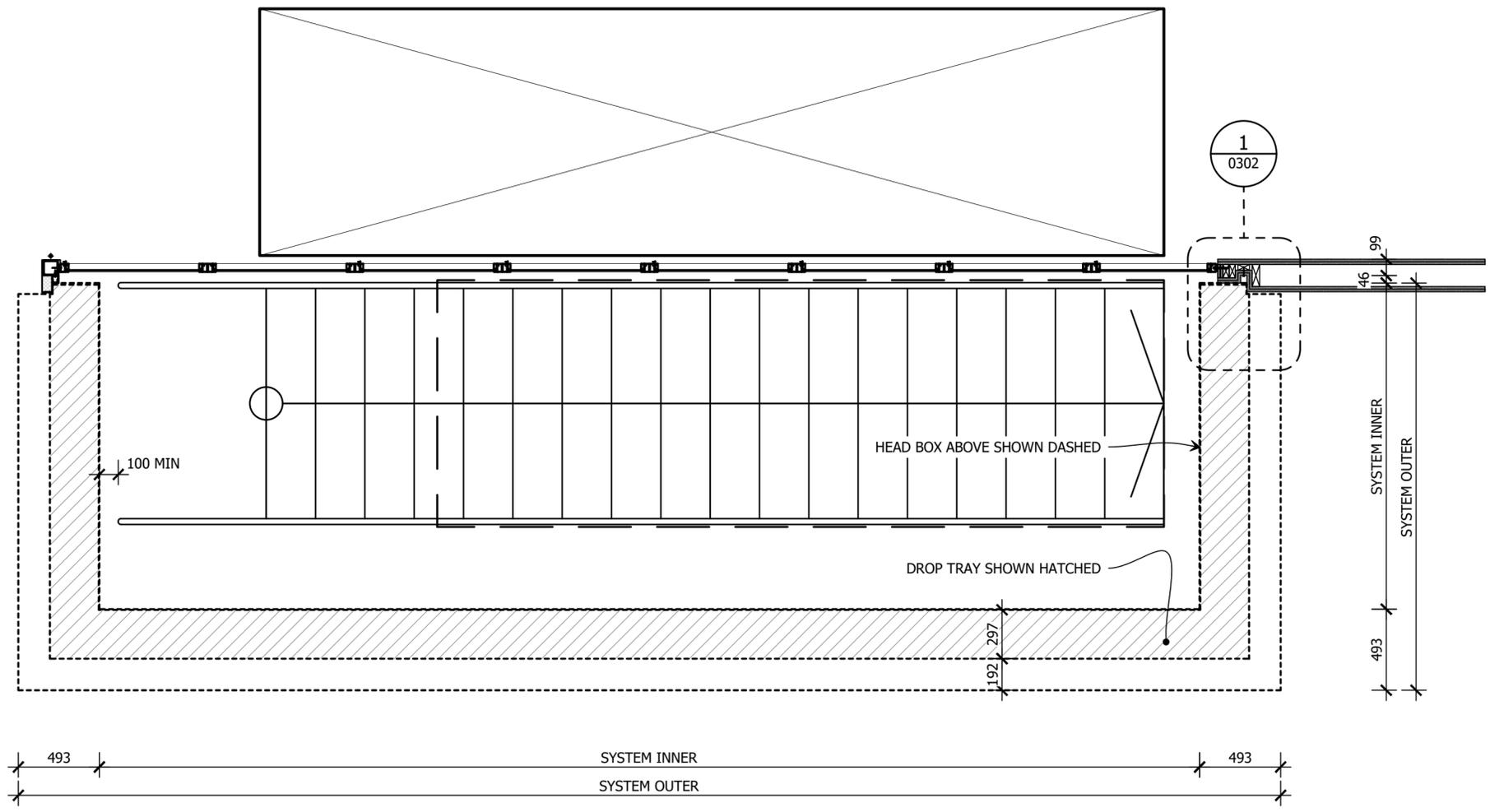
DRAWING NUMBER	REV
<b>SCS - FHE-0102</b>	-

DRAWN BY I.A.	ISSUE STATUS: FOR INFORMATION
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START DATE 11/09/2020	SCALE AS SHOWN @A2
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REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	11/09/2020



**1** PLAN  
 TYP. OPEN ENDED CONFIGURATION PLAN  
 SCALE 1:25 @ A2

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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 TYPICAL OPEN ENDED CONFIGURATION P

SUB SET (CATEGORY)  
**01 - PLAN**

DRAWING NUMBER  
**SCS - FHE-0103**

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 I.A.

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 FOR INFORMATION

START DATE  
 11/09/2020

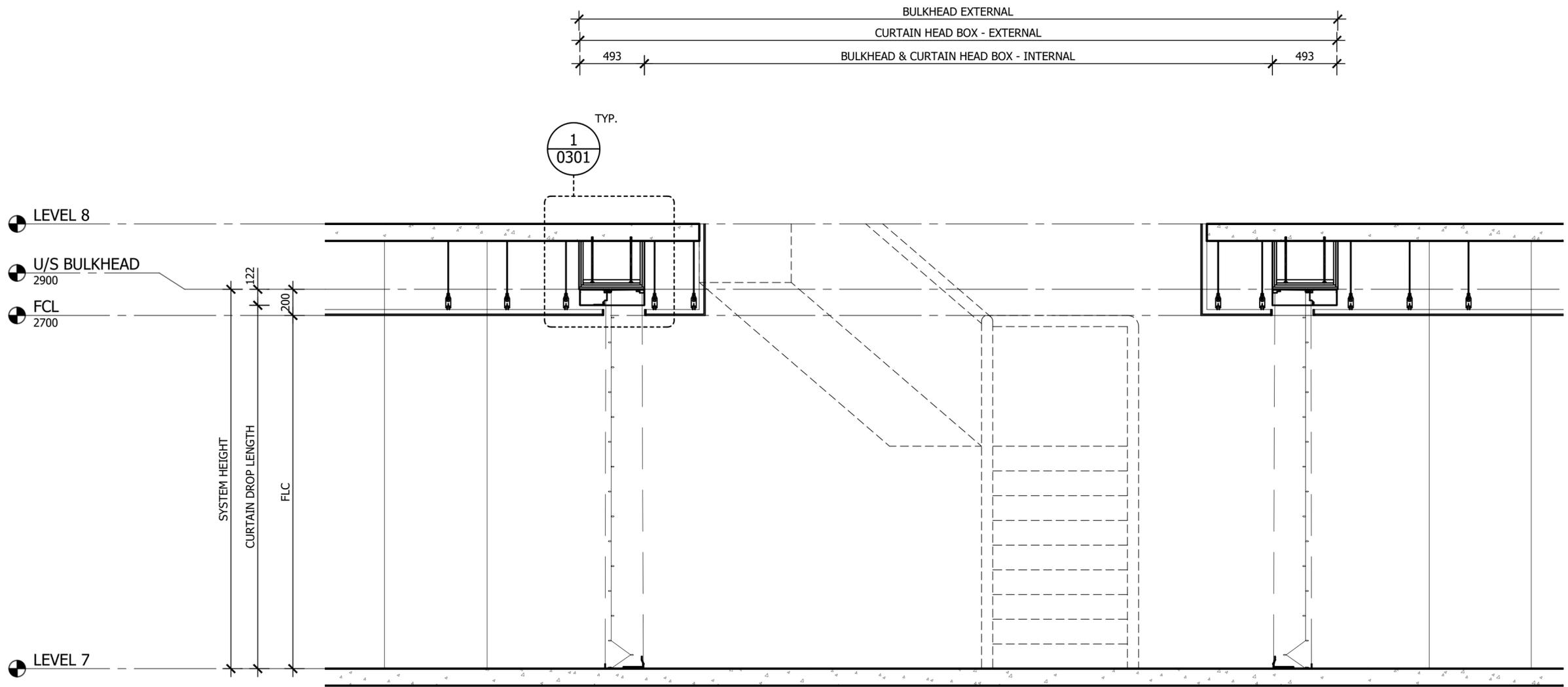
SCALE  
 AS SHOWN @A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

>>> 420mm  
 <<< 594mm

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-	AC	FOR APPROVAL	11/09/2020



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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 ELEVATION SECTION - 1

SUB SET (CATEGORY)  
**02 - ELEVATION**

DRAWING NUMBER	REV
<b>SCS - FHE-0201</b>	-

DRAWN BY	ISSUE STATUS:
I.A.	

START DATE	SCALE
11/09/2020	AS SHOWN @A2

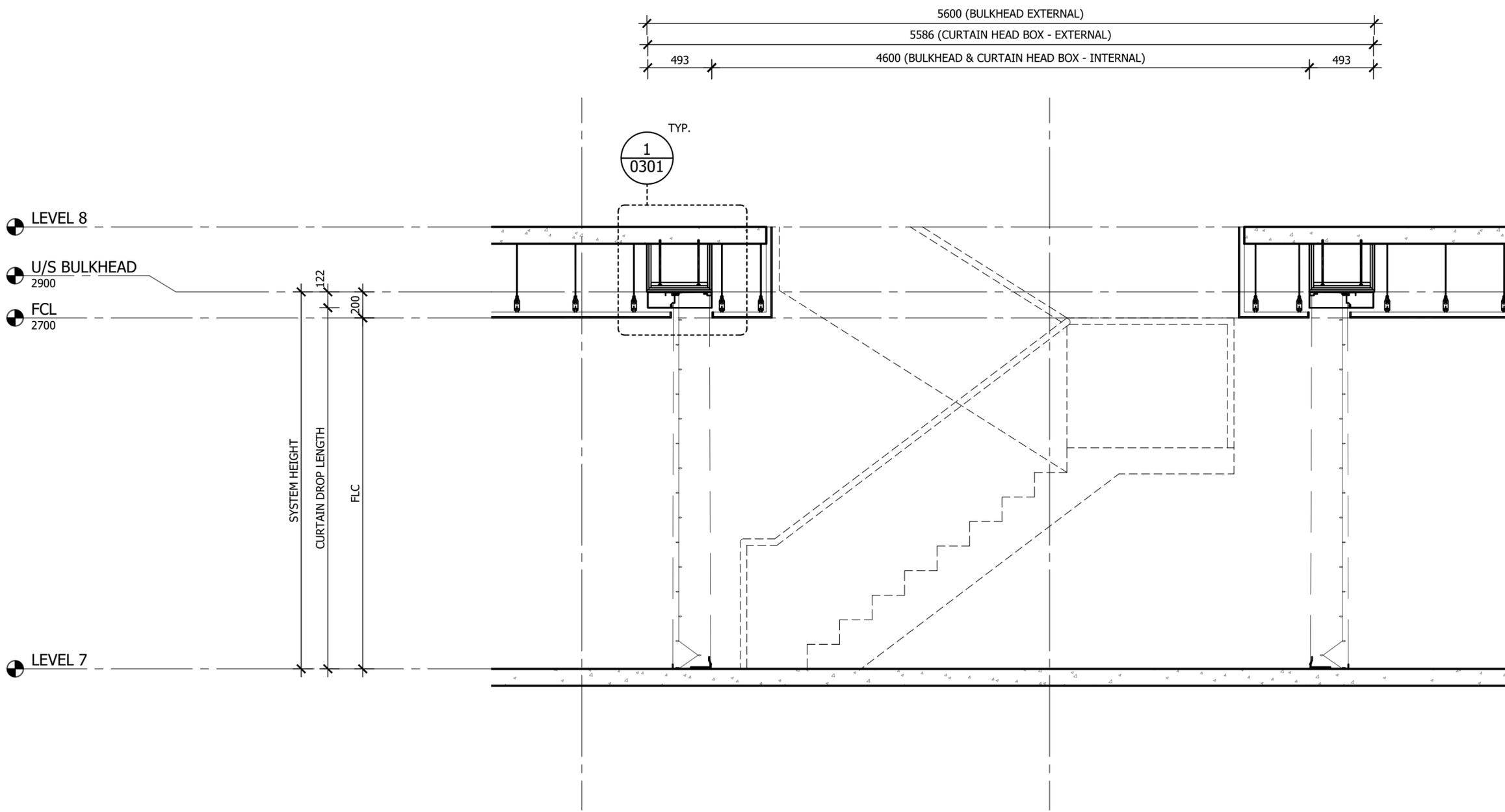
**A** ELEVATION LOOKING NORTH  
 FYREHALT EVOLUTION - FIRE CURTAIN  
 SCALE 1:25 @ A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

420mm  
 <<< 594mm

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-	AC	FOR APPROVAL	11/09/2020



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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 ELEVATION SECTION - 2

SUB SET (CATEGORY)  
**02 - ELEVATION**

DRAWING NUMBER  
**SCS - FHE-0202**

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 I.A.

ISSUE STATUS:  
 FOR INFORMATION

START DATE  
 11/09/2020

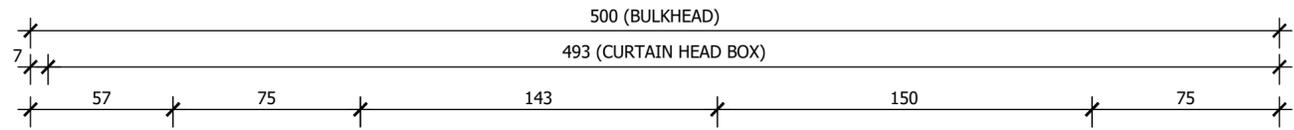
SCALE  
 AS SHOWN @A2

**B** ELEVATION LOOKING WEST  
 FYREHALT EVOLUTION - FIRE CURTAIN  
 SCALE 1:25 @ A2

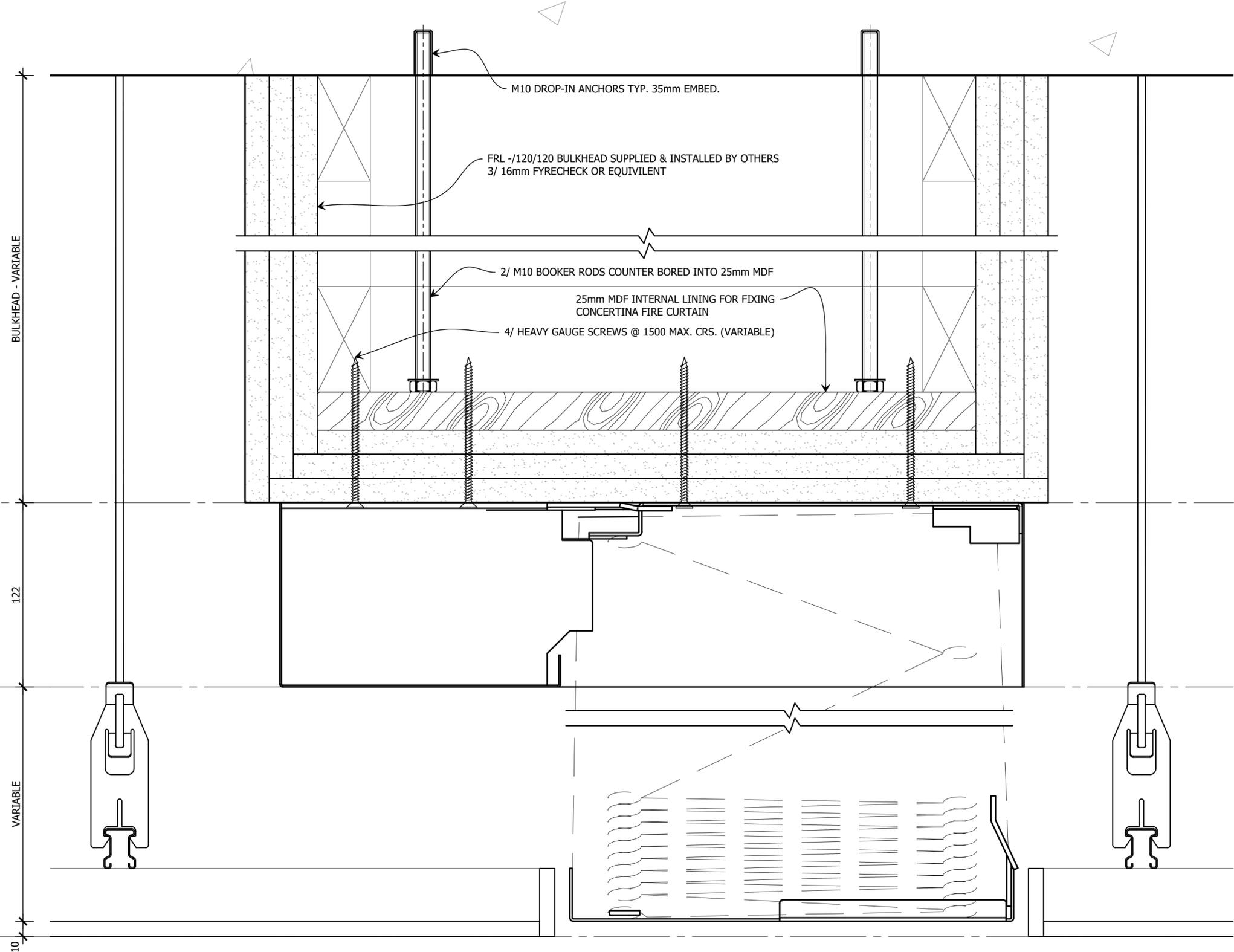
FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

420mm  
 <<< 594mm

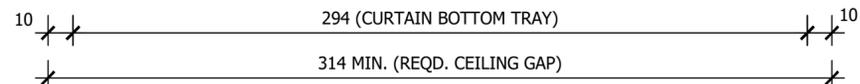
**NOTE:**  
 BULKHEAD SUPPLIED, INSTALLED AND CERTIFIED TO FRL -/120/120 AND BE ABLE TO SUPPORT 45KG PER LINEAR METRE BY OTHERS.



**TYPICAL BULKHEAD DETAIL:**  
 INTERNAL STRUCTURE CAN ALSO BE DONE WITH STUD TRACK MUST SUPPORT 45kg/LINEAL METRE OF CURTAIN SYSTEM.



**1** ELEVATION  
 FYREHALT EVOLUTION HEADBOX: UNDER 3000 DROP  
 SCALE 1:2 @ A2



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-	AC	FOR APPROVAL	11/09/2020

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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 HEAD BOX DETAIL  
 TYPICAL BULKHEAD FIXING

SUB SET (CATEGORY)  
**03 - DETAILS**

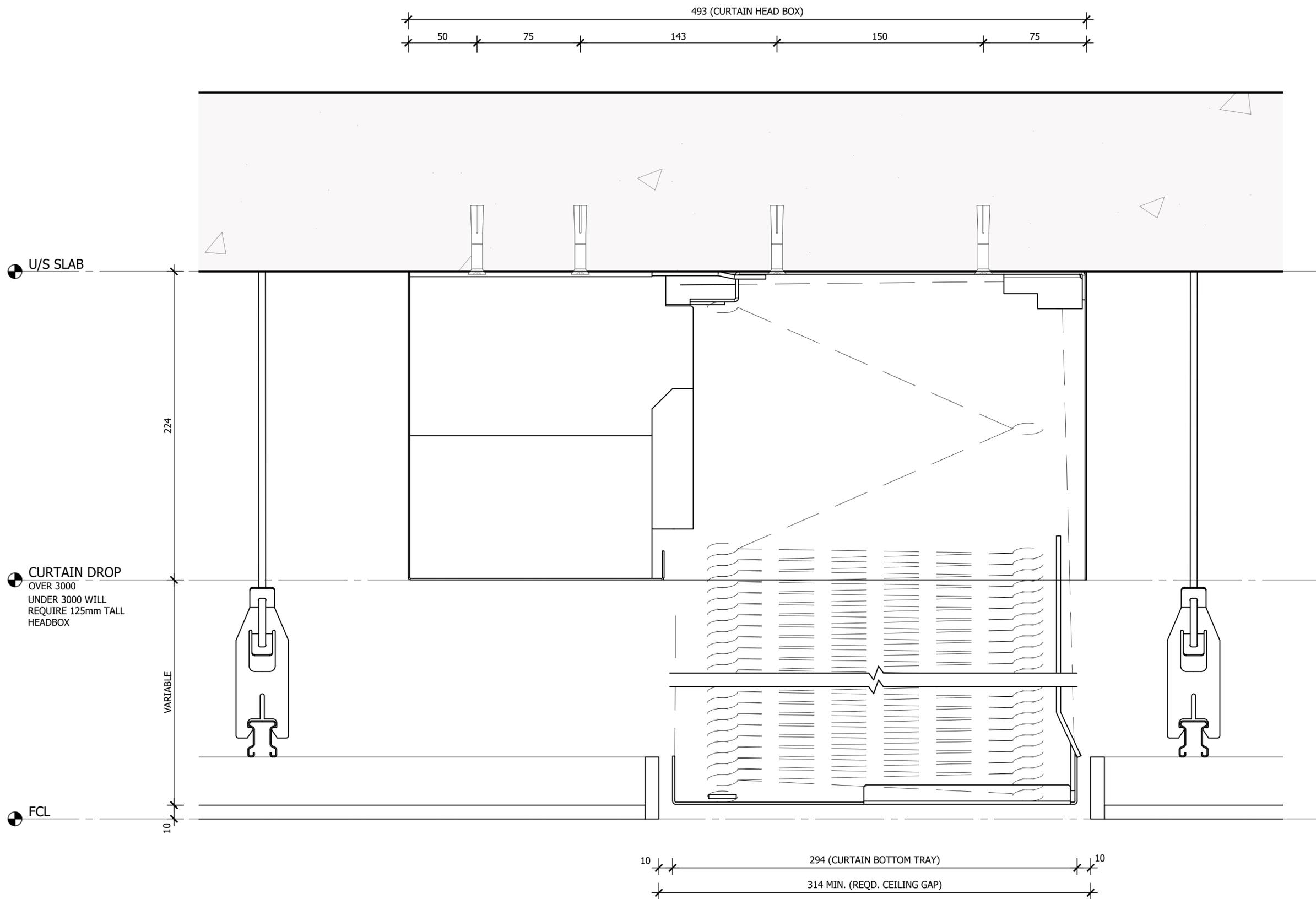
DRAWING NUMBER	REV
<b>SCS - FHE-0301</b>	-
DRAWN BY	ISSUE STATUS:
I.A.	FOR INFORMATION
START DATE	SCALE
11/09/2020	AS SHOWN @A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

420mm  
 594mm

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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 HEAD BOX DETAIL  
 TYPICAL CONCRETE SLAB FIXING

SUB SET (CATEGORY)  
**03 - DETAILS**

DRAWING NUMBER  
**SCS - FHE-0302**

DRAWN BY  
 I.A.

ISSUE STATUS:  
 SCALE AS SHOWN @A2

START DATE  
 11/09/2020

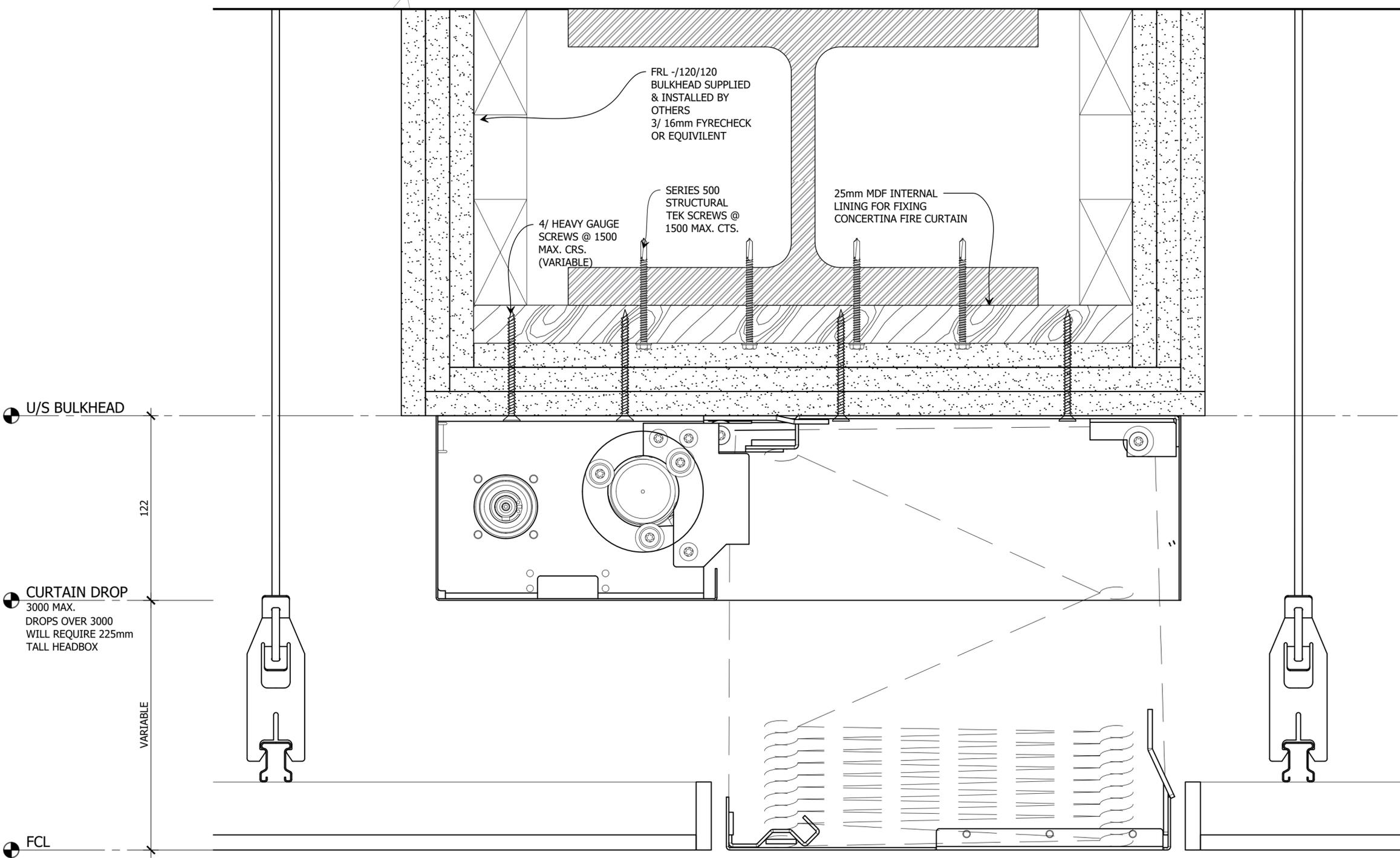
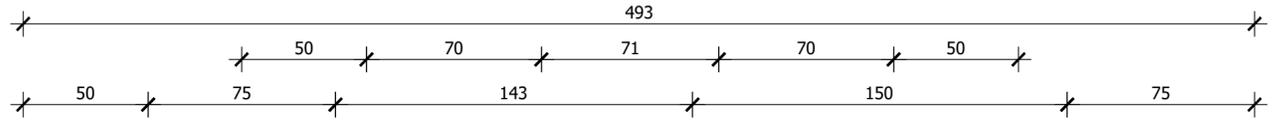
**1** ELEVATION  
 FYREHALT EVOLUTION HEADBOX: OVER 3000 DROP  
 SCALE 1:2 @ A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

420mm  
 <<< 594mm

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-	AC	FOR APPROVAL	11/09/2020



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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 HEAD BOX DETAIL  
 TYPICAL I BEAM FIXING

SUB SET (CATEGORY)  
**03 - DETAILS**

DRAWING NUMBER  
**SCS - FHE-0303**

DRAWN BY  
 I.A.

ISSUE STATUS:  
 SCALE AS SHOWN @A2

START DATE  
 11/09/2020

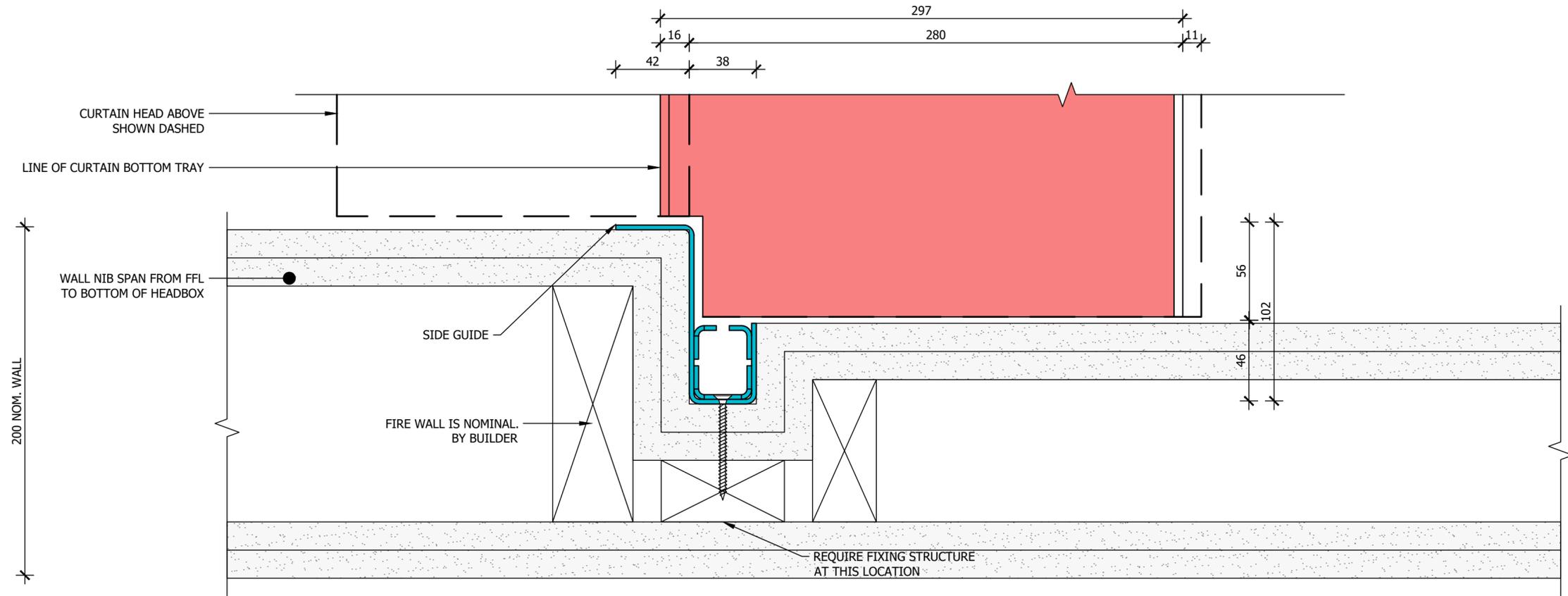
**1** ELEVATION  
 FYREHALT EVOLUTION HEADBOX: OVER 3000 DROP  
 SCALE 1:2 @ A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

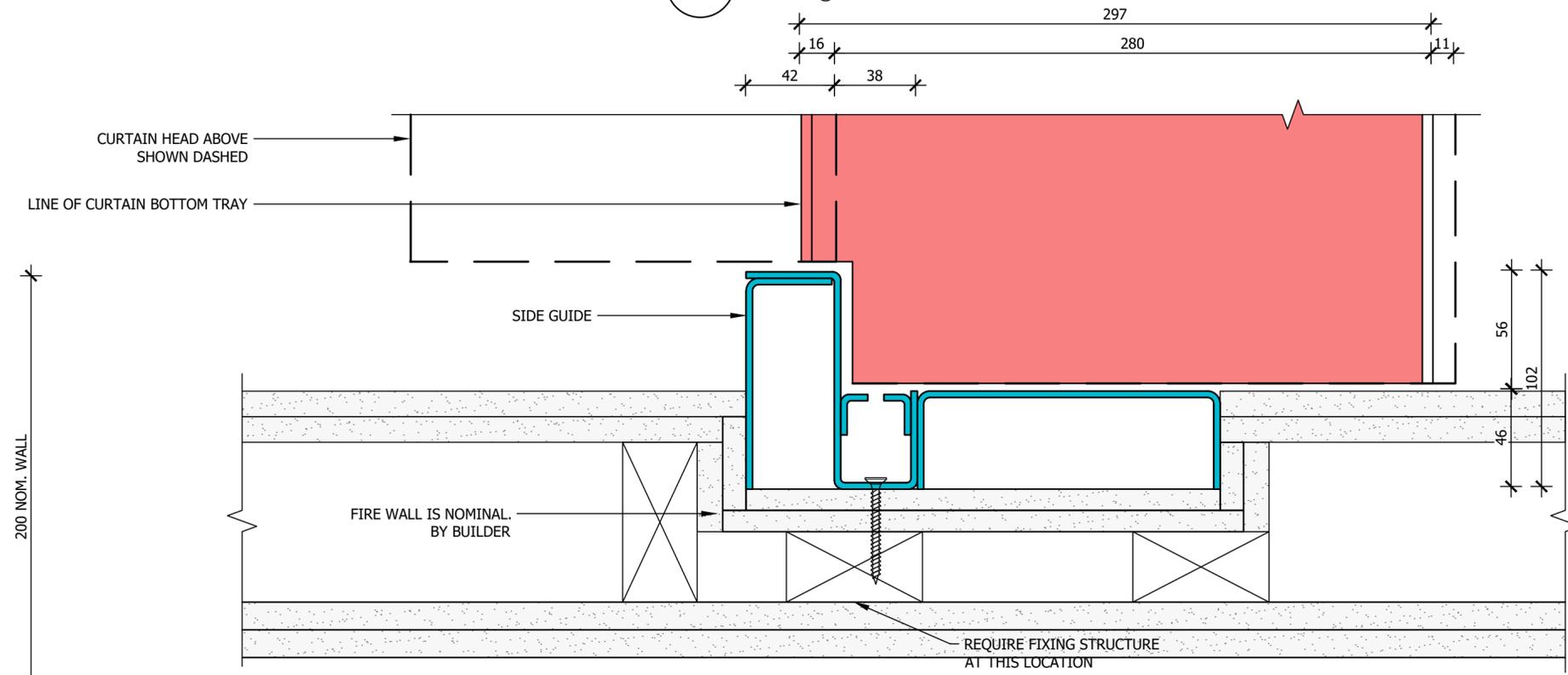
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REV	CHK	REASON	DATE
-	AC	FOR APPROVAL	11/09/2020



**1** PLAN END GUIDE DETAIL  
 SCALE 1:2 @ A2



**1** PLAN END GUIDE DETAIL  
 SCALE 1:2 @ A2

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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 END GUIDE DETAIL  
 STUD WALL

SUB SET (CATEGORY)  
**03 - DETAILS**

DRAWING NUMBER  
**SCS - FHE-0304**

DRAWN BY  
 I.A.

ISSUE STATUS:  
 START DATE  
 11/09/2020

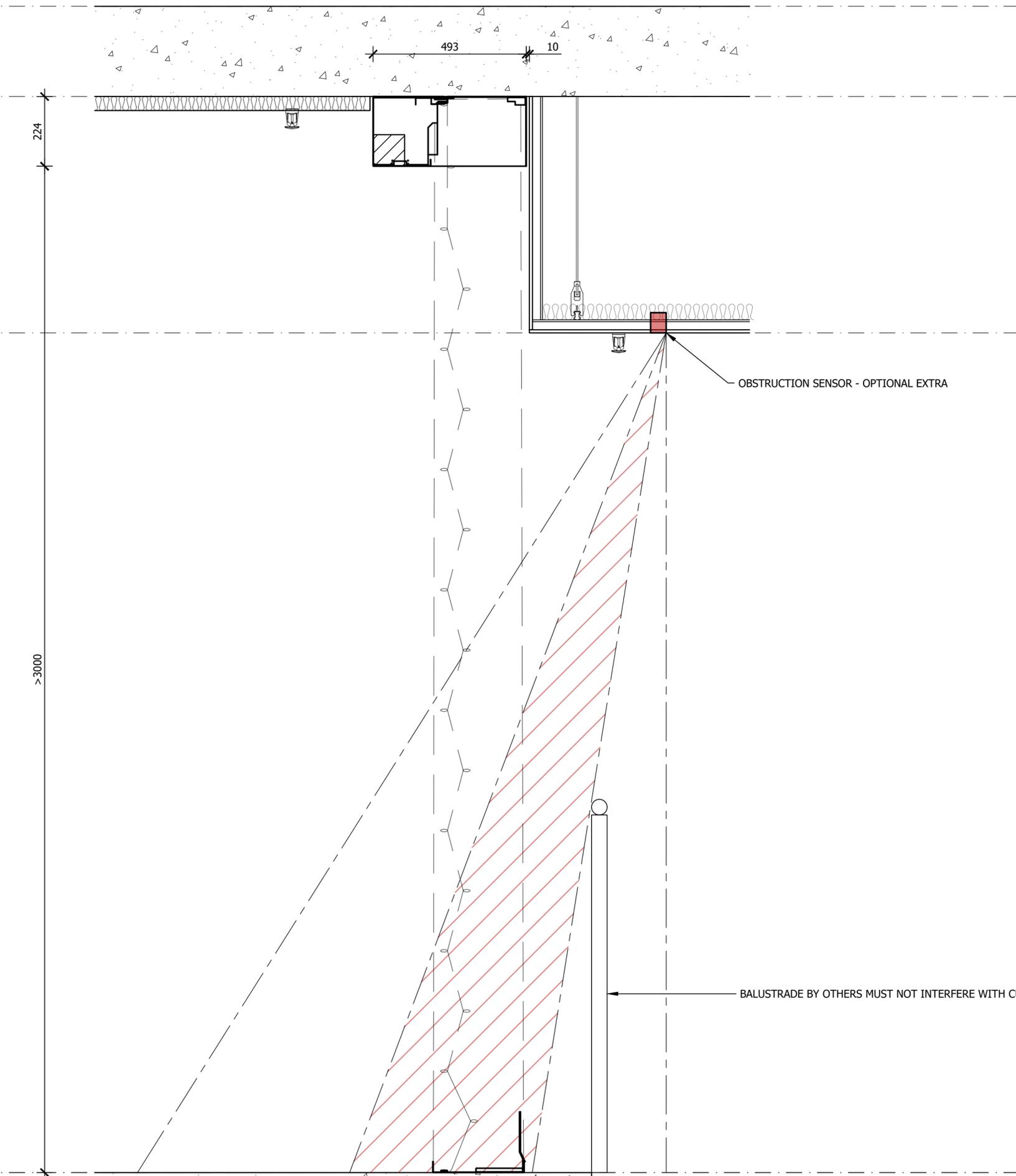
SCALE  
 AS SHOWN @A2

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420mm  
 <<< 594mm

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NO	CHK	REASON	DATE
-	AC	FOR APPROVAL	11/09/2020



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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 SENSOR MOUNTING - INTERNAL

SUB SET (CATEGORY)  
**03 - DETAILS**

DRAWING NUMBER	REV
<b>SCS - FHE-0305</b>	-

DRAWN BY	ISSUE STATUS:
I.A.	

START DATE	SCALE
11/09/2020	AS SHOWN @A2

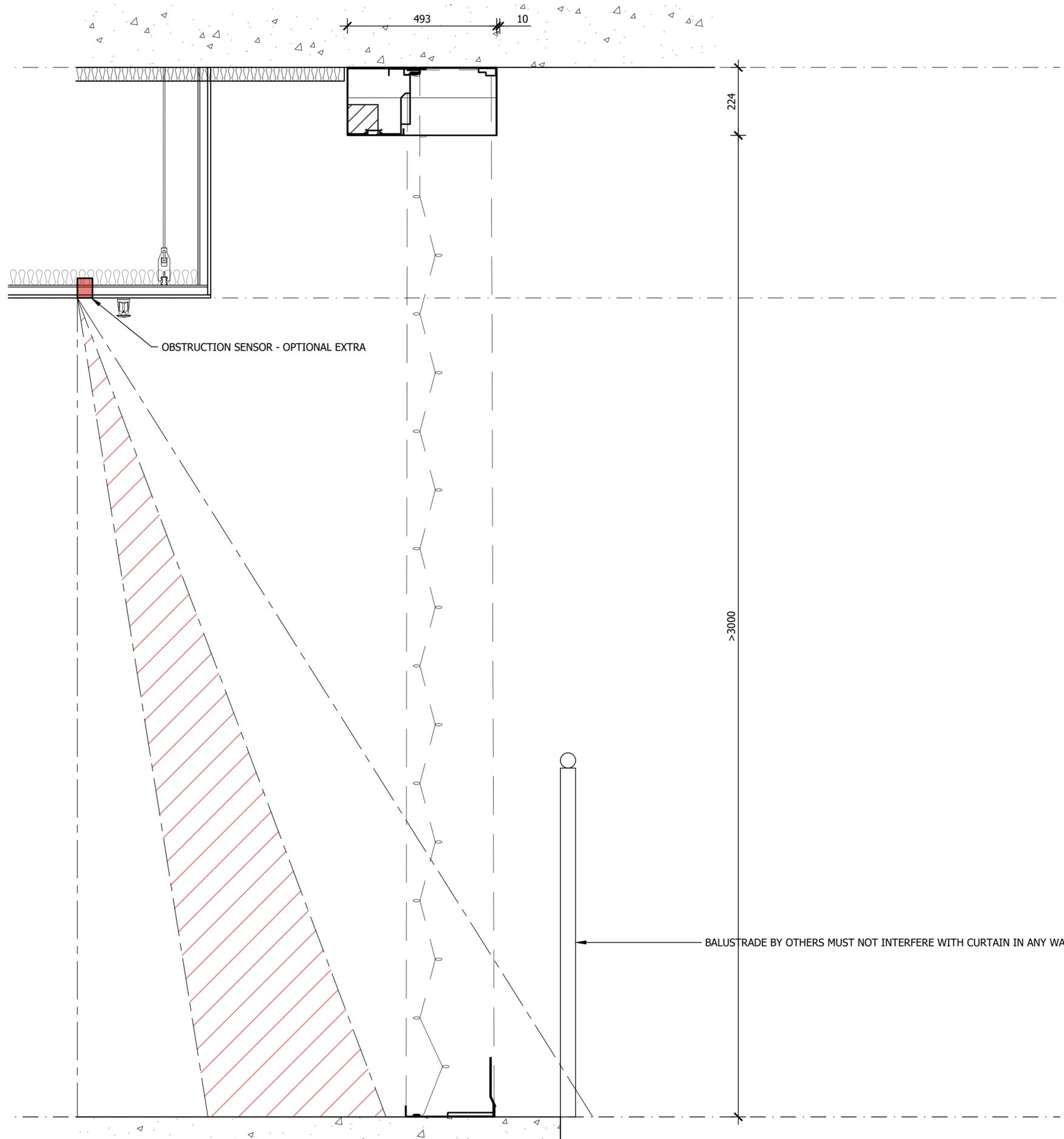
**1** ELEVATION  
 INTERNAL SENSOR MOUNT  
 SCALE 1:10 @ A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

>>> 420mm <<< 594mm

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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 SENSOR MOUNTING - EXTERNAL

SUB SET (CATEGORY)  
**03 - DETAILS**

DRAWING NUMBER	REV
<b>SCS - FHE-0306</b>	-

DRAWN BY	ISSUE STATUS:
I.A.	

START DATE	SCALE
11/09/2020	AS SHOWN @A2

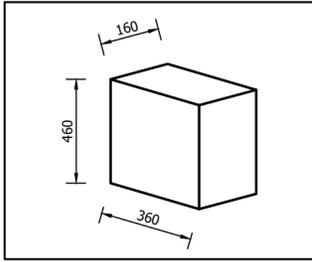
**1** ELEVATION  
 EXTERNAL SENSOR MOUNT  
 SCALE 1:10 @ A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

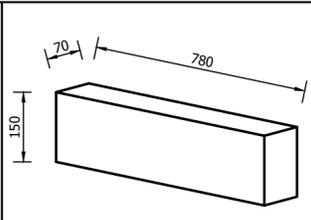
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-	AC	FOR APPROVAL	11/09/2020

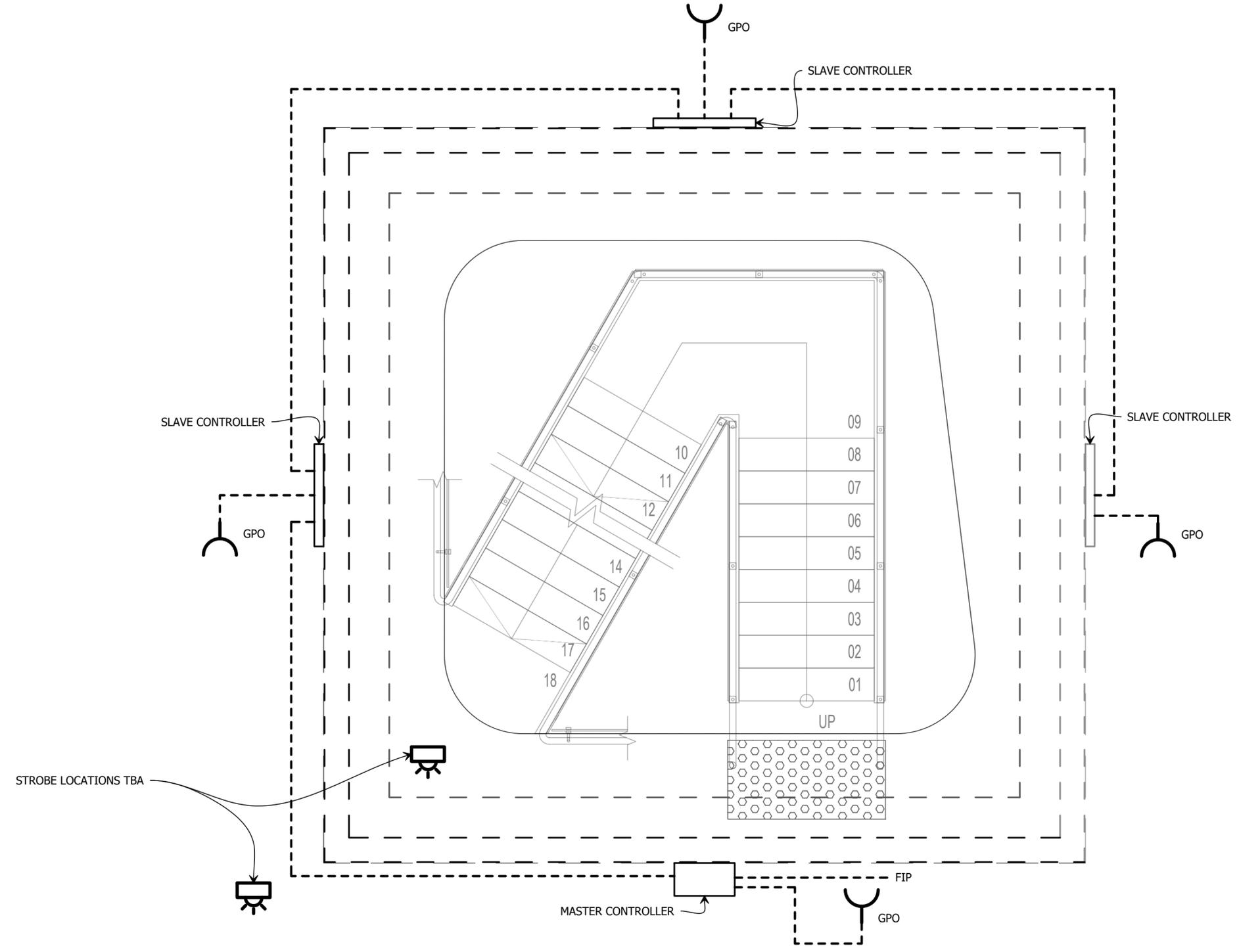
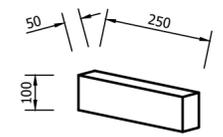


**MASTER CONTROLLER**  
 CAN BE LOCATED WITHIN 15m OF ONE OF THE SLAVE CONTROLLERS WHICH ARE LOCATED CENTRAL OF NOMINATED STRAIGHT SECTIONS.  
 REQUIREMENTS TO BE PROVIDED **BY OTHERS**:  
 1. 240V 10A GPO;  
 2. NORMALLY CLOSED DRY CONTACT TO FIP.



**SLAVE CONTROLLER**  
 LOCATED WITHIN 1m FROM CENTER OF NOMINATED STRAIGHT SECTION.  
 REQUIREMENTS TO BE PROVIDED **BY OTHERS**:  
 1. 240V 10A GPO.

**JUNCTION BOX**  
 REQUIREMENTS TO BE PROVIDED **BY OTHERS**:  
 1. 240V 10A GPO.



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**PROJECT**  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD TEMPLATE

**CLIENT**

**TITLE**  
 TYPICAL ELECTRICAL COORDINATION

**SUB SET (CATEGORY)**  
 04 - ELECTRICALS

**DRAWING NUMBER**  
 SCS - FHE-1001

**DRAWN BY**  
 I.A.

**ISSUE STATUS:**  
 SCALE AS SHOWN @A2

**START DATE**  
 11/09/2020

**1** PLAN  
 FYREHALT EVOLUTION - POWER & FIP REQUIREMENTS  
 SCALE 1:25 @ A2

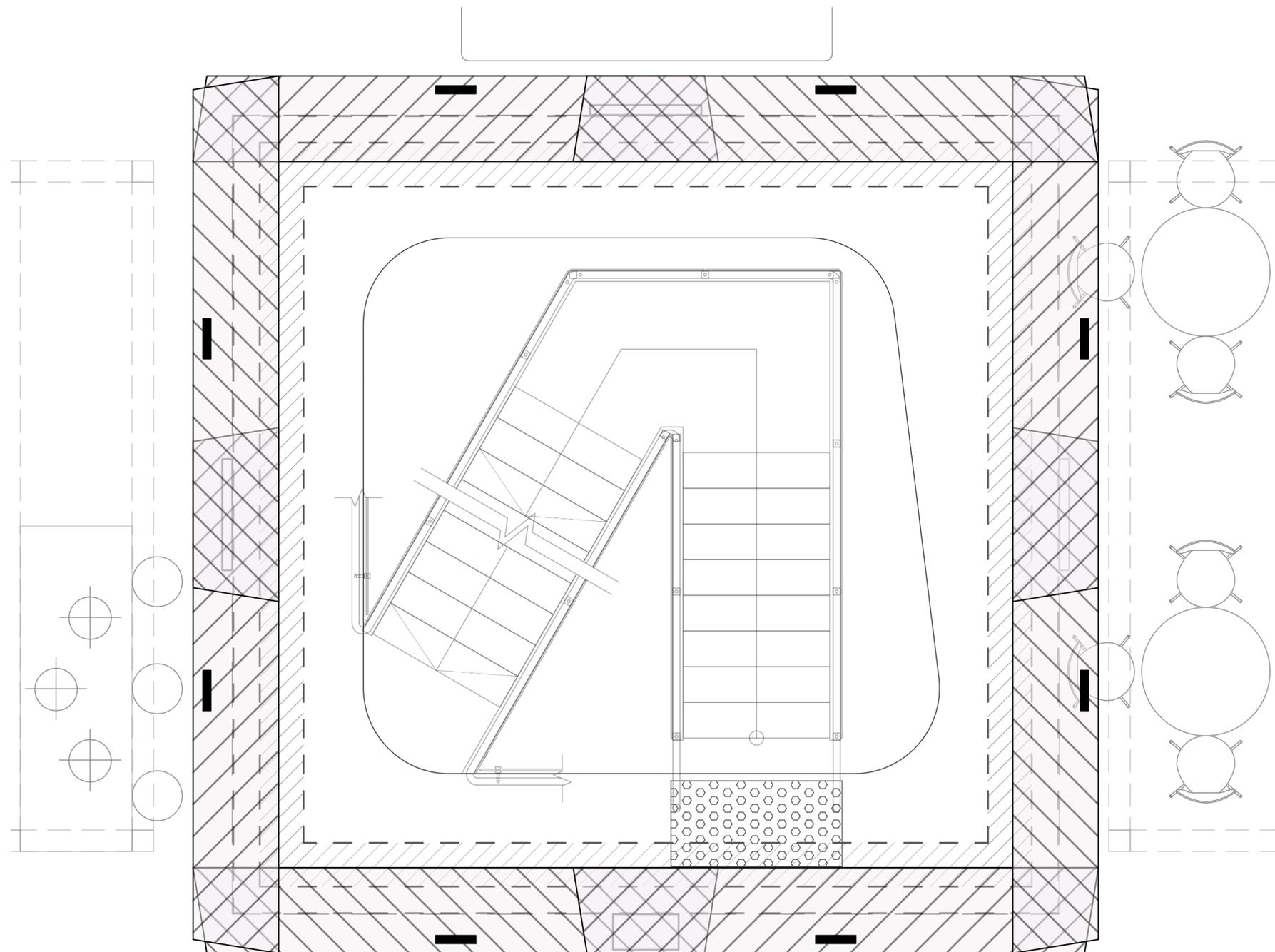


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420mm  
 <<< 594mm

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PROJECT  
 SCS - FHE  
 FYREHALT EVOLUTION STANDARD  
 TEMPLATE

CLIENT

TITLE  
 OBSTRUCTION SENSOR SETOUT

SUB SET (CATEGORY)  
**04 - ELECTRICALS**

DRAWING NUMBER  
**SCS - FHE-1002**

DRAWN BY  
 I.A.

ISSUE STATUS:  
 FOR INFORMATION

START DATE  
 11/09/2020

SCALE  
 AS SHOWN @A2

1 PLAN  
 FYREHALT EVOLUTION - OBSTRUCTION SENSOR SETOUT  
 SCALE 1:25 @ A2

FILE: SCS-FHE.dwg --- PLOTTED ON 25/09/2020 BY ISHTIAQUE ALAM

420mm  
 594mm