



IFSC

INSULATED FIRE SINGLE-LAYER CURTAIN



 **DELTA TECH GROUP**
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 DELTA TECHNOLOGY  DELTA TECH DOOR  DELTA TECH INDUSTRY  DELTA NEWHB VIETNAM



IFSC

INSULATED FIRE SINGLE-LAYER CURTAIN



NO AIR GAP



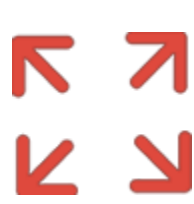
SINGLE LAYER



COMPACT DESIGN



FIRE INSULATION
UP TO 120 MINS



SINGLE SPAN (MM)
14,000 x 8,000

Our Delta Technology IFSC Insulated Fire Single-Layer Curtain is tested up to 240 minutes of fire rating integrity and 120 minutes of fire insulation under BS EN 1634-1:2014 and 120 minutes of fire rating integrity and 120 minutes of fire insulation under TCVN 9383:2012. In the case of a fire outbrak, the IFSC is able to isolate and compart-mentalize the fire.

The IFSC feature a single layer curtain design making it the most compact design in the market - No air gap, No double layer, Symmetrical design.

The curtain is constructed of a series of ceramic fiber and cloth woven together. The curtain is rolled up onto a barrel via a heavy duty fire shutter motorised operator, forming a single drum.

The IFSC is suitable to be used for indoor and is not suitable for daily/security usage. It is commonly used in commercials buildings, industrial factories, malls and car parks.

MODEL	INTEGRITY	INSULATION	SLAT THICKNESS	W x H MAX
IFSC 120	120 MINS	120 MINS	55 mm	14,000 x 8,000 mm



¹IP- rated motor required.
² Colours subjected to prevailingcolor chart and availability.

DISTINCTIVE FEATURES

HIGHEST STANDARD OF FIRE RATING

- Ensures highest standard of fire safety in the industry
- Tested to SS489:2015/BS 476/BS EN1634:2014 / TCVN 9383:2012.

FIRE ACTIVATION VIA FIRE ALARM

- Works upon activation of the fire alarm (ERS-400)
- Shutter will be activated to close

BIGGER LARGER WIDER

- Single span up to 14x8m
- Caters to any large openings in the market

FIRE ACTIVATION VIA FUSIBLE LINK

- Has a fusible link that melts at approximately 69°C
- Causes the shutter to slide down freely under gravity
- Fail-safe mechanism

OPERATION VERSATILITY

- Can be operated automatically via push button
- Or manually via hand chain or rotation crank (dependent on motor type)

INTELLIGENT SYSTEM

- Built-in brake re-engagement device
- Stops the shutter once it touches the ground
- Protects the shutter and ground from any damage
- Automatically resets after fire alarm switches off



MATERIAL AND COATING

PART	BASE MATERIAL	OPT. MATERIAL	BASE COATING	OPT. COATING
CURTAIN	CERAMIC FIBRE	N/A	N/A	COLOURBOND / POWDER COATED / PVDF
SIDE GUIDE	1.8mm THICK MILD STEEL	SUS 304 / 316	GALVANIZED (GI)	COLOURBOND / POWDER COATED / PVDF
SHUTTERHOOD COVER	0.8 mm THICK MILD STEEL	SUS 304 / 316	GALVANIZED (GI)/ COLOURBOND (PPGI) RAL7004)	COLOURBOND / POWDER COATED / PVDF
MOTOR COVER	0.8 mm THICK MILD STEEL	SUS 304 / 316	GALVANIZED (GI)/ COLOURBOND (PPGI) RAL7004)	COLOURBOND / POWDER COATED / PVDF

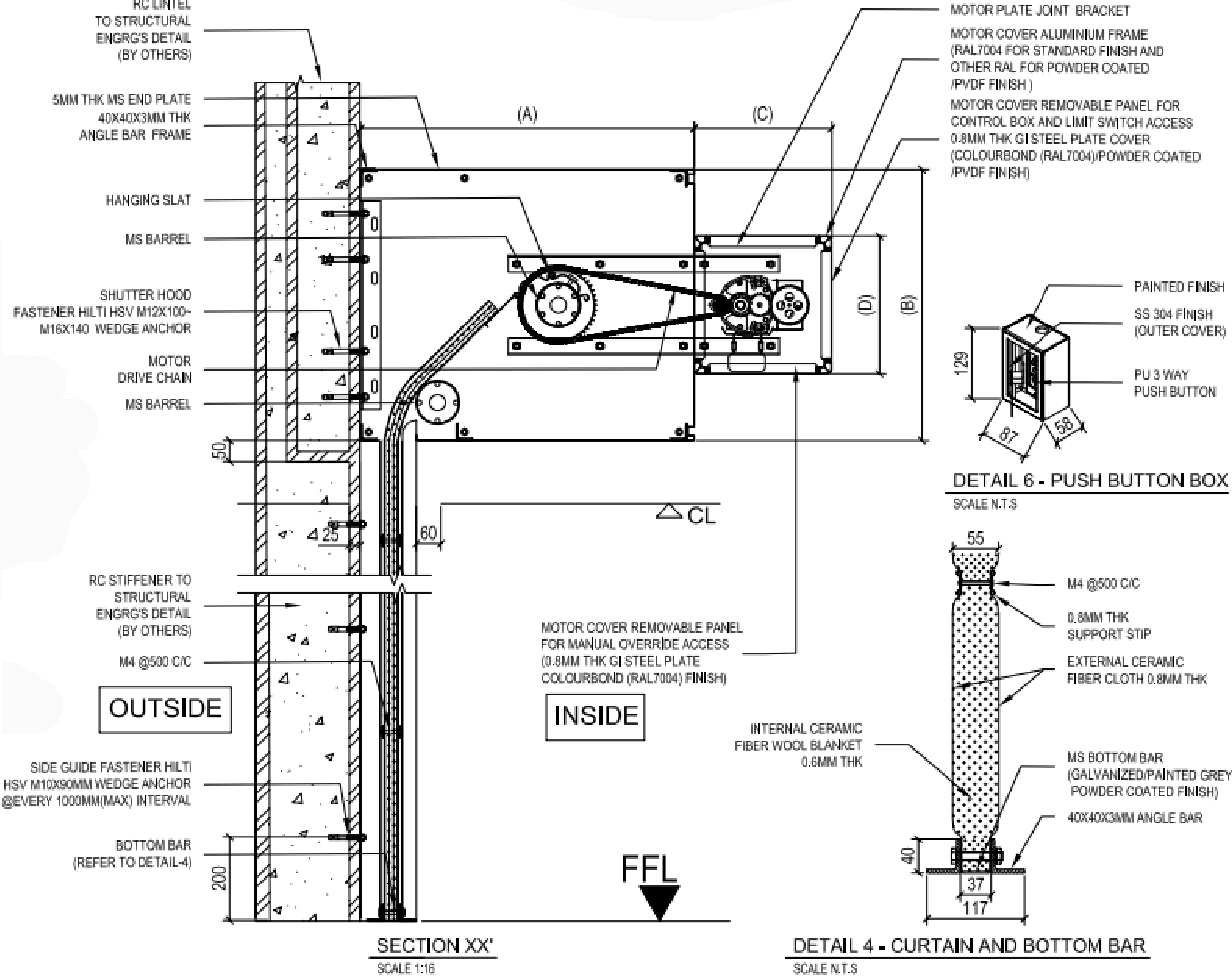
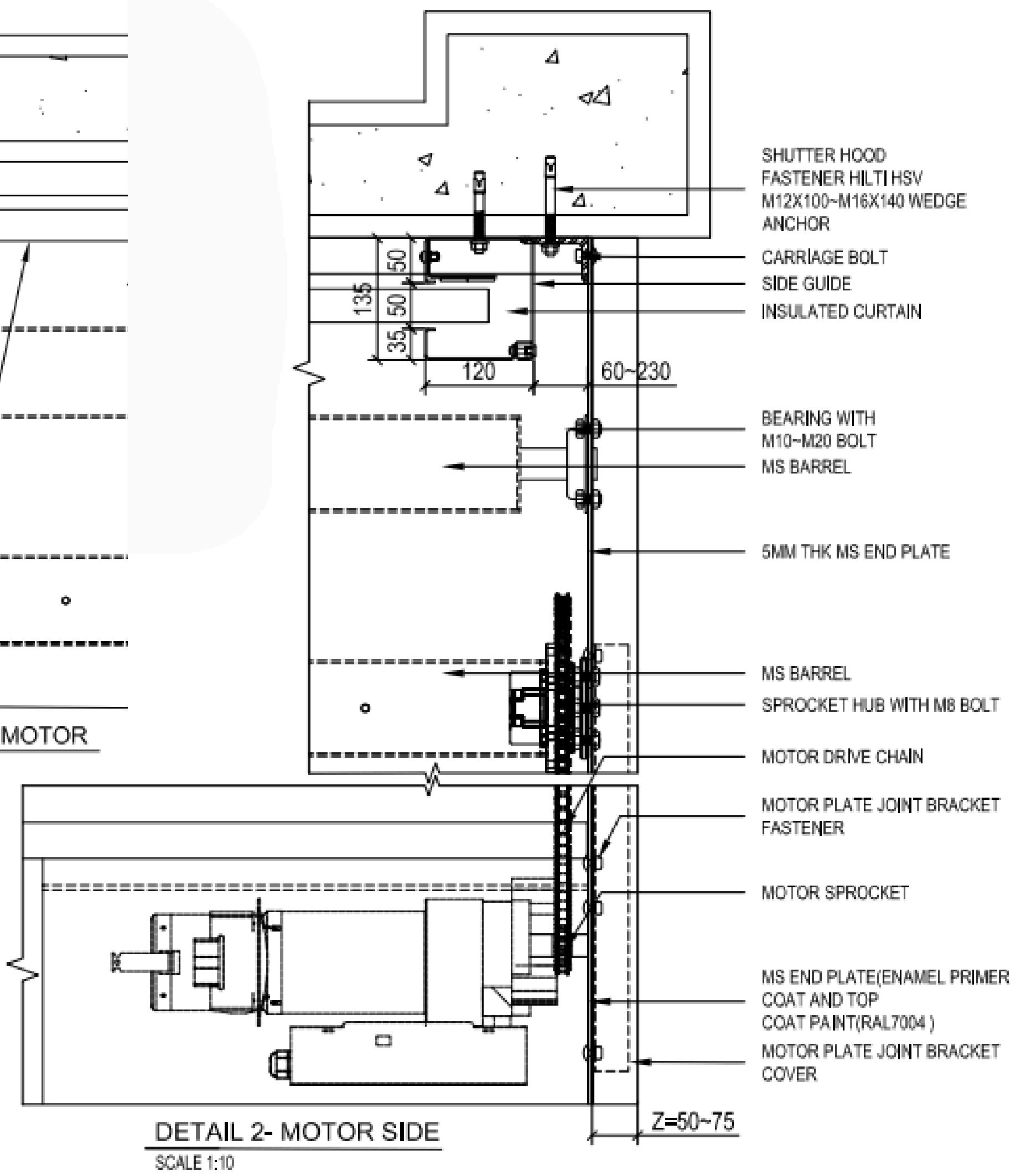
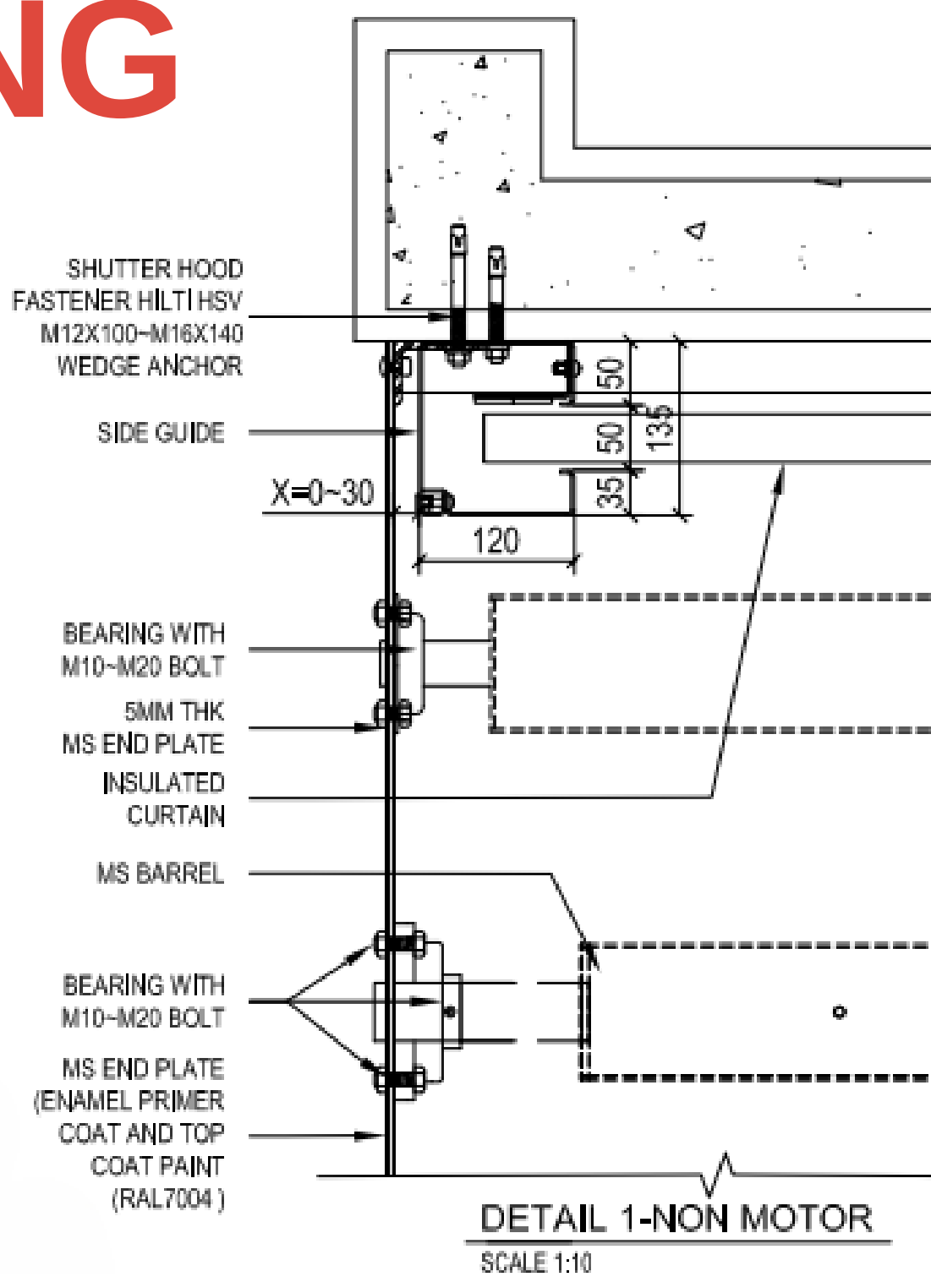
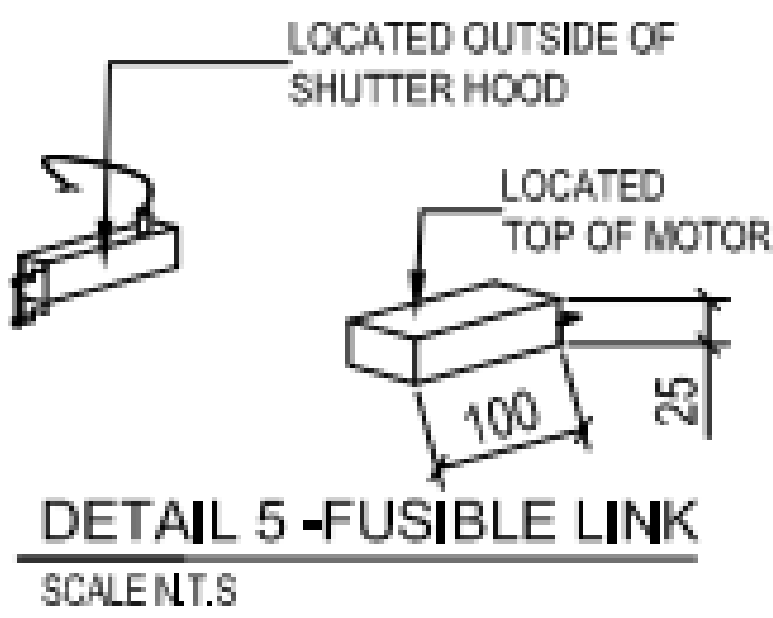
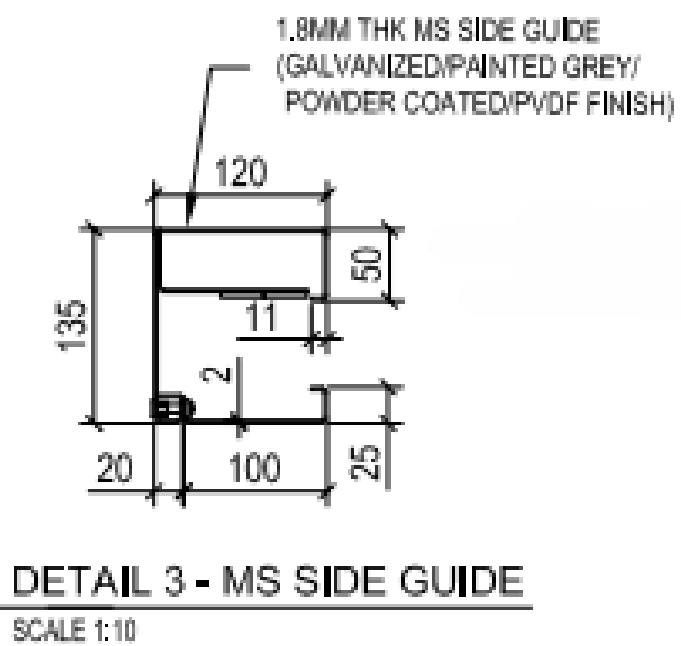
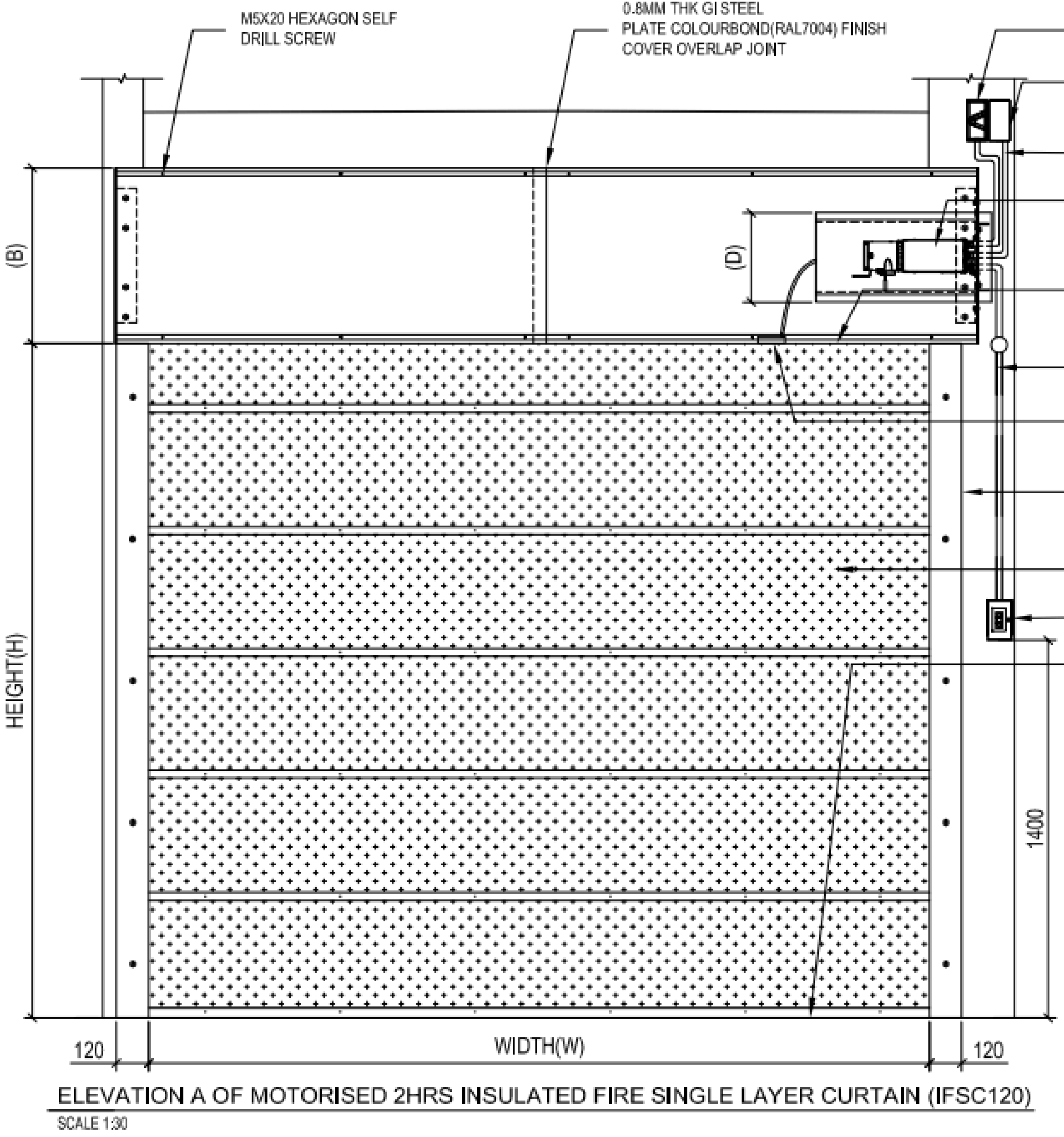
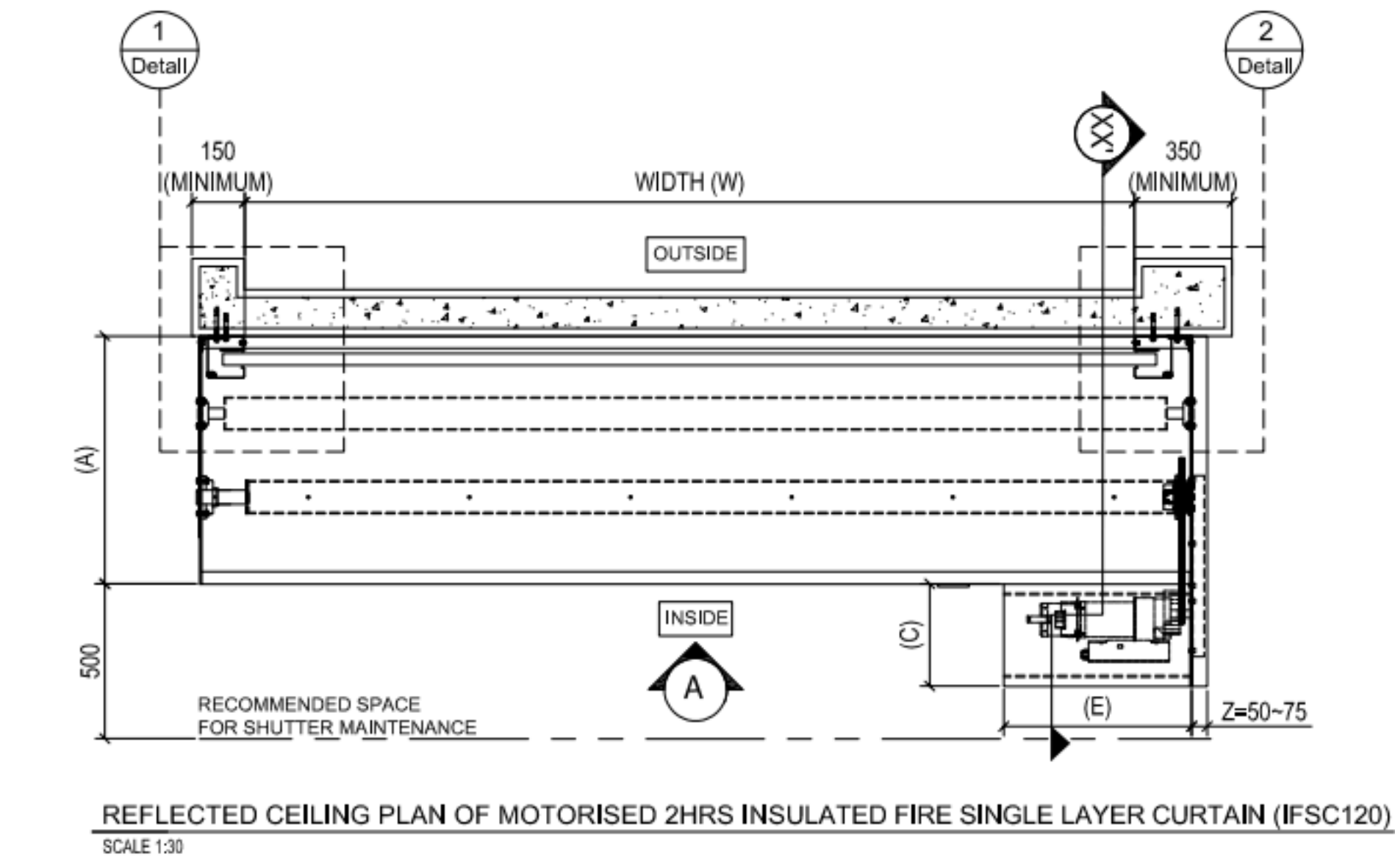
*All colourbond coating colors will be in accordance to the color chart (subjected to availability)

MOTOR SPECIFICATIONS

MODEL	DT-500	DT-1000	DT-2000	DT-3000	DT-5000
POWER	250W	550W	1500W	2200W	3700W
TORQUE	65Nm	140Nm	400Nm	1350Nm	2150Nm
RATED VOLTAGE	AC 230V		AC 400V		
PHASE	1		3		
FREQUENCY	50Hz				
STARTING CURRENT	10A	20A	12A	8A	12A
FULL-LOAD CURRENT	2.5A	5A	3A	5.8A	6.5A
STARTING METHOD	CAPACITOR START		DIRECT ON LINE		
POLE	4				
INSULATION CLASS	F				
DRIVE CHAIN SIZE	#50	#80			DOUBLE #80
OUTPUT SPROCKET	8T	9T	10T	13T	14T
OUTPUT SPEED	27rpm	29.5rpm	24rpm	13rpm	12.5rpm
MANUAL OVERRIDE	HAND CHAIN		ROTATION CRANK		
THERMAL PROTECTION	120°C		FAN COOLED WITH COOLING FINS		
CONTROLS	BUILT-IN PCB IC CONTROL		EXTERNAL PCB IC CONTROL BOX		
CONTROLLED DESCEND	BRAKE RELEASE WITH SPRING CLUTCH				
THERMAL RELEASE	GLASS BULB / FUSIBLE LINK				
FIRE ALARM INPUT	24V DC / DRY CONTACT				
BMS FEEDBACK	FULLY OPEN / FULLY CLOSED / ERROR				

DETAILED DRAWING

IFSS 120 E: 2 HOURS I: 2 HOURS



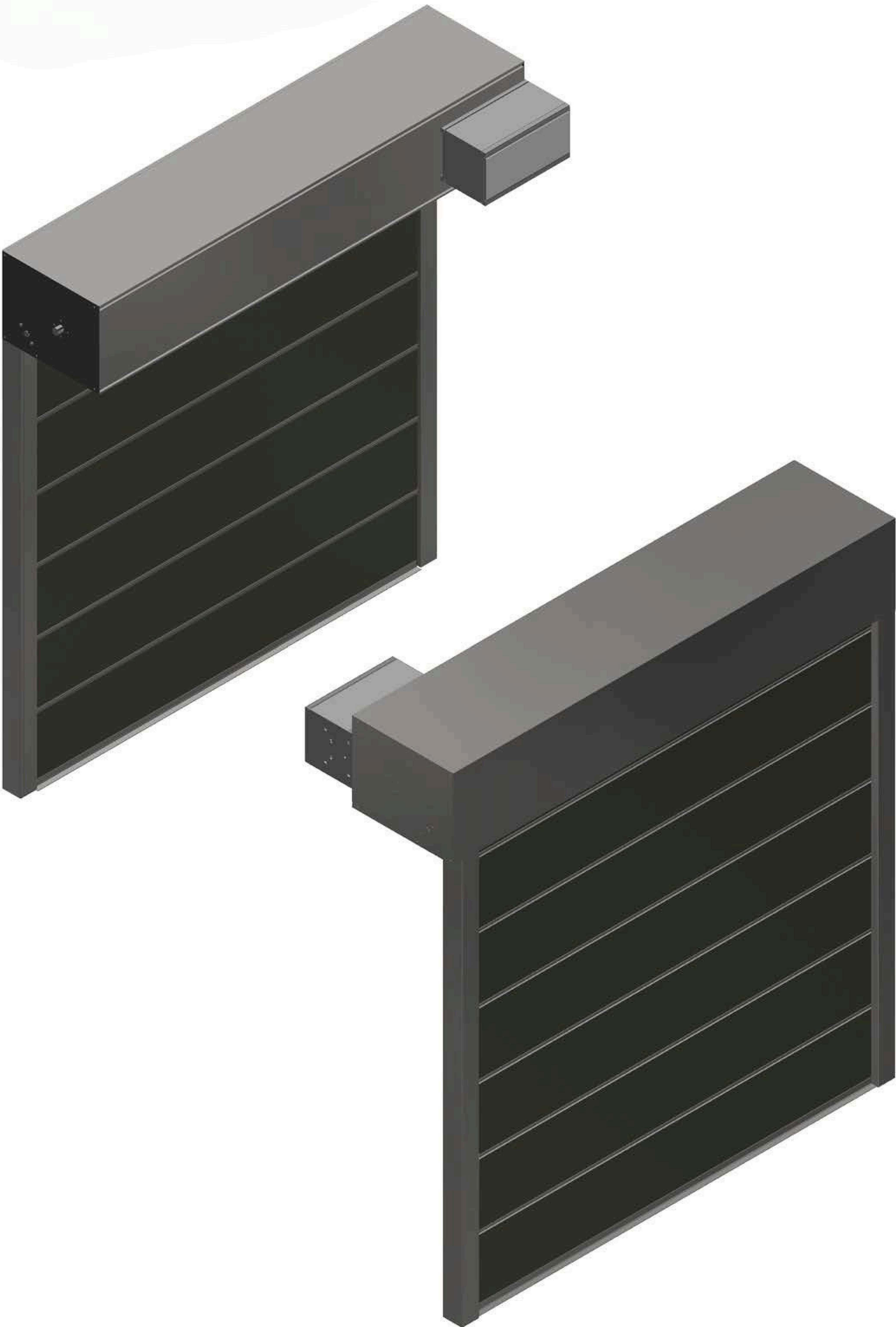
SHUTTERHOOD SIZE TABLE

MOTOR MODEL	X (MM)	Y (MM)	Z (MM)
DT 500/1000	0	60	50
DT 2000	0	80	75
DT 3000	30	170	75
DT 5000	30	230	75

W < 4,000		4,001 < W < 6,000		6,001 < W < 9,000		9,001 < W < 12,000		12,001 < W < 14,000		
H	ENDPLATE HEIGHT (B)	H	ENDPLATE HEIGHT (B)	H	ENDPLATE HEIGHT (B)	H	ENDPLATE HEIGHT (B)	H	ENDPLATE HEIGHT (B)	ENDPLATE LENGTH (A)
900	450									600
2600	550	2400	550	2200	550	1000	550	900	550	700
3800	650	3600	650	3400	650	3000	650	2700	650	800
6200	800	6000	800	5800	800	5500	800	5100	800	950
8000	1000	8000	1000	8000	1000	8000	1000	8000	1000	1050

DETAILED DRAWING

IFSS 120 E: 2 HOURS I: 2 HOURS



ACCESSORIES



PUSH BUTTON



PUSH BUTTON BOX



FUSIBLE LINK

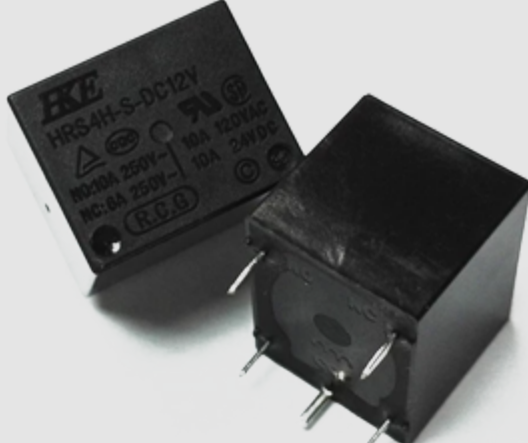


FIRE SHUTTER MOTOR

OPTIONAL



BACKUP BATTERY



BMS

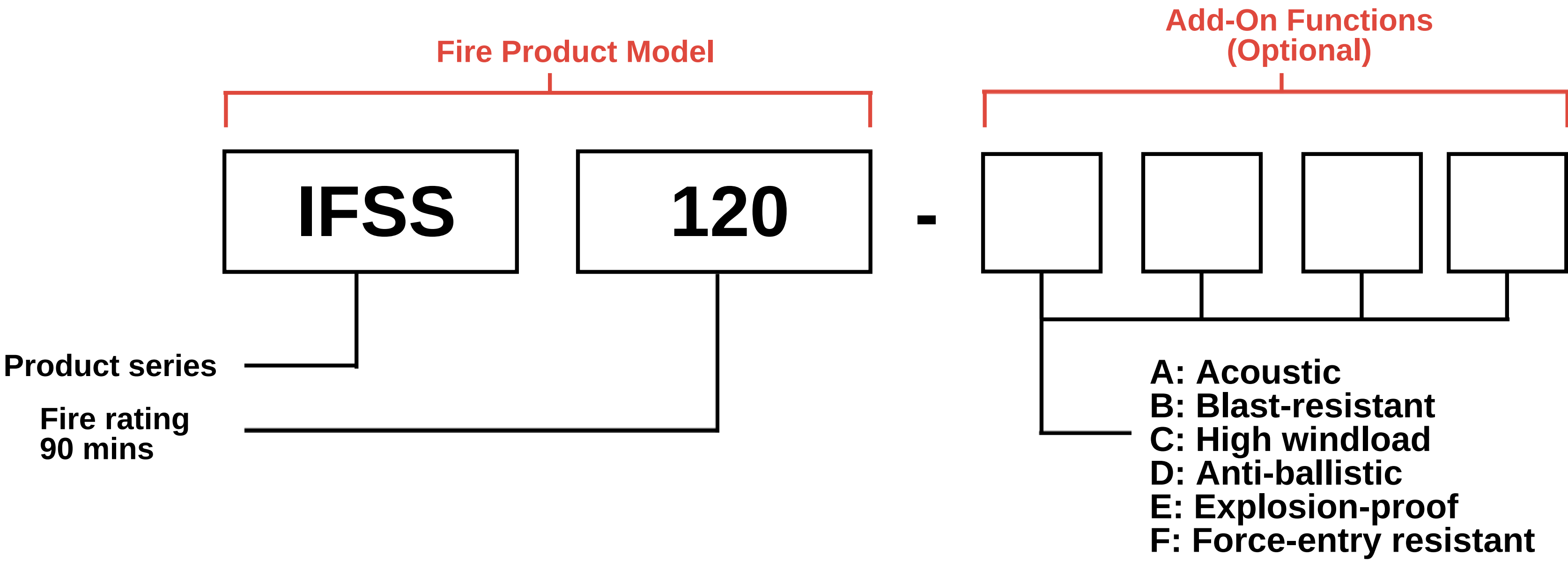


SMOKE / HEAT DETECTOR

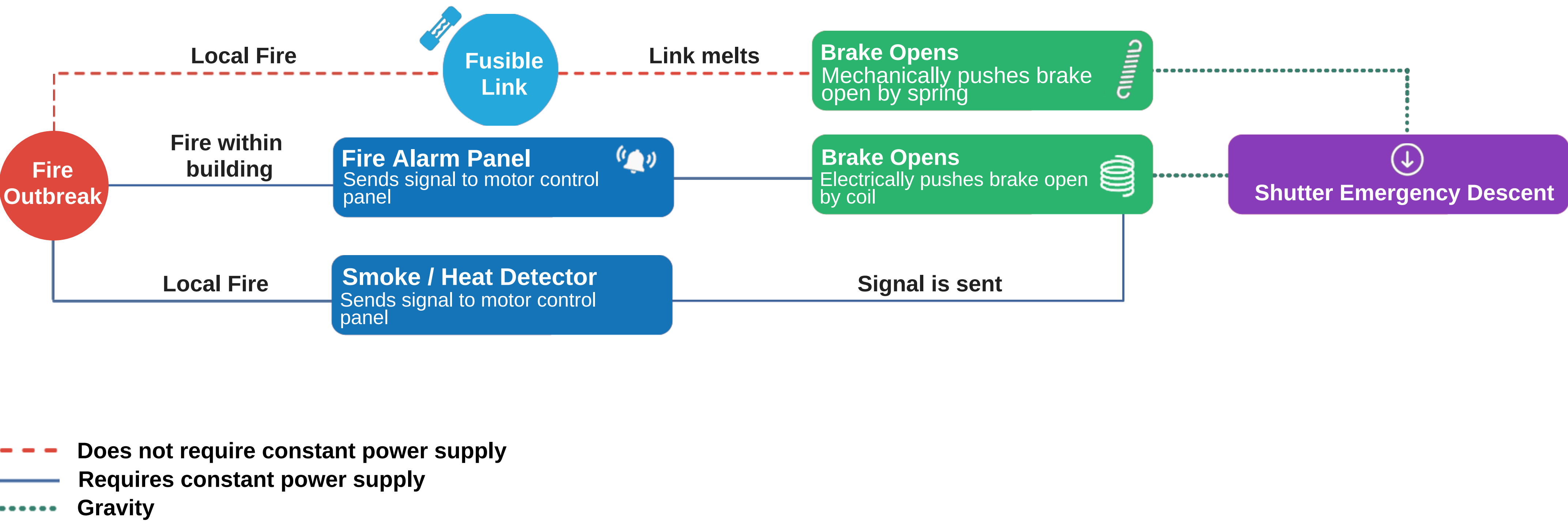


WARNING LIGHT / SIREN

PRODUCT SERIAL



FIRE ACTIVATION





INDONESIA
OFFICE / FACTORY

PT. MITRA MANDIRI INDUSTRI
Kav. B-009, Jl. Hang Kesturi
Taiwan Industrial Park, Kabil
Batam, Indonesia

mmi.enquiry@deltatech.com.sg



SINGAPORE
HEAD OFFICE / FACTORY

DELTA TECH GROUP
No. 34 Loyang Crescent
Singapore 508993

Tel: 6382 2621 / 6343 1523
Fax: 6281 3496 / 6285 8150
enquiry@deltatech.com.sg

DISTRIBUTOR
SOUTH VIETNAM

DELTA NEWHB VIETNAM
Floor 12, Zen Tower Building
12 Khuat Duy Tien, Thanh Xuan Trung,
Thanh Xuan Hanoi

enquiry.vn@deltatech.com.sg