



Hotel, Binley, Coventry

Swanage Handmade Restoration Red
4312





Swanage Special Blended Imperial Cranleigh School, Surrey

Imperial sized bricks are often required to match up with existing Victorian brickwork, often in soft red handmade stock bricks.

At Swanage, Imperial sized bricks are available as standard in both smooth sanded stocks and true handmade bricks, giving the option of subtle textural options.

At Cranleigh School in Surrey the recently completed Ems Building features buttressed brickwork using Swanage handmade Imperial bricks.





Penlu Flats, Swanage

Swanage Handmade Heather Red

4301





Swanage Bespoke Blend Kimcote Hall, Kimcote, Leicestershire

Kimcote Hall, a new family farmhouse, utilises the Swanage Handmade Light Red Multi facing brick laid in a Flemish bond with strong plinth detail firmly grounding the building. Stone coursing and detailing to include corbels and parapets are utilised.

The external appearance of the dwelling is finished off with highly detailed chimneys incorporating stone banding and brick, giving the external appearance a varied interesting profile.

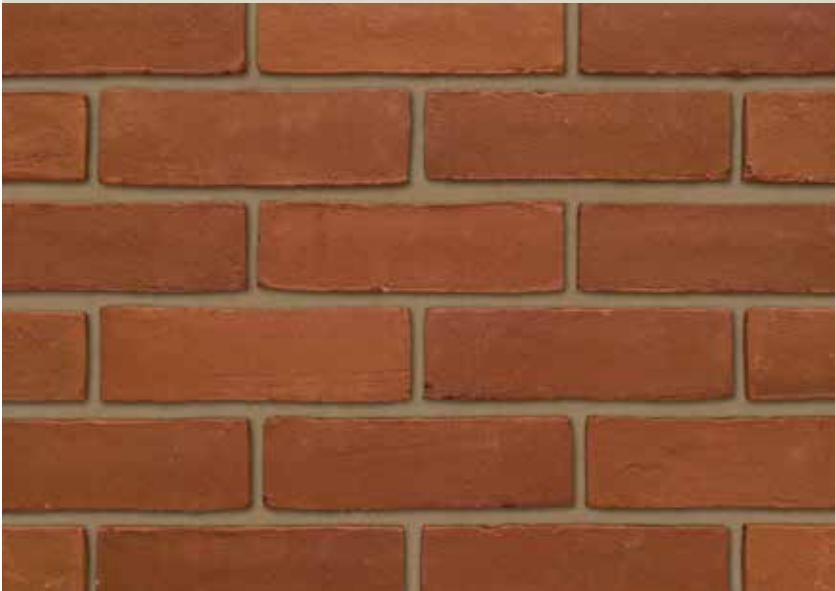
Both the standard and circular plinth details perfectly match the main facing brick, enhancing the overall impact of the total building rather than creating individual features.





Watch Tower, RAF Museum, Hendon

Swanage Imperial Red Stock 68mm
4316





Swanage Bespoke Blend Fulton Building, University of Sussex, Brighton

Swanage bricks have been used on several projects at the University of Sussex over a number of years. The Falmer blend, consisting of 60:40 ratio of fine-sanded brown and light multi Swanage handmade bricks, was chosen to match the "Boiler House" an adjacent existing listed building. The blend has here been used on the recently completed Fulton Building which includes two impressive 150-seat, elliptical stepped floor lecture theatres, each enclosed by two interlocking C-shaped brick forms. Architects, ADP, have continued to use the same blend over a varied range of designs.

Standing amongst Sir Basil Spence's 1960s iconic architecture, the building echoes his style of simple forms created from locally sourced materials - brick, concrete, white paint and stained glass - whilst respectfully making its own mark on the landscape.





SWANAGE

TRADITIONAL AND BESPOKE STOCK BRICKS



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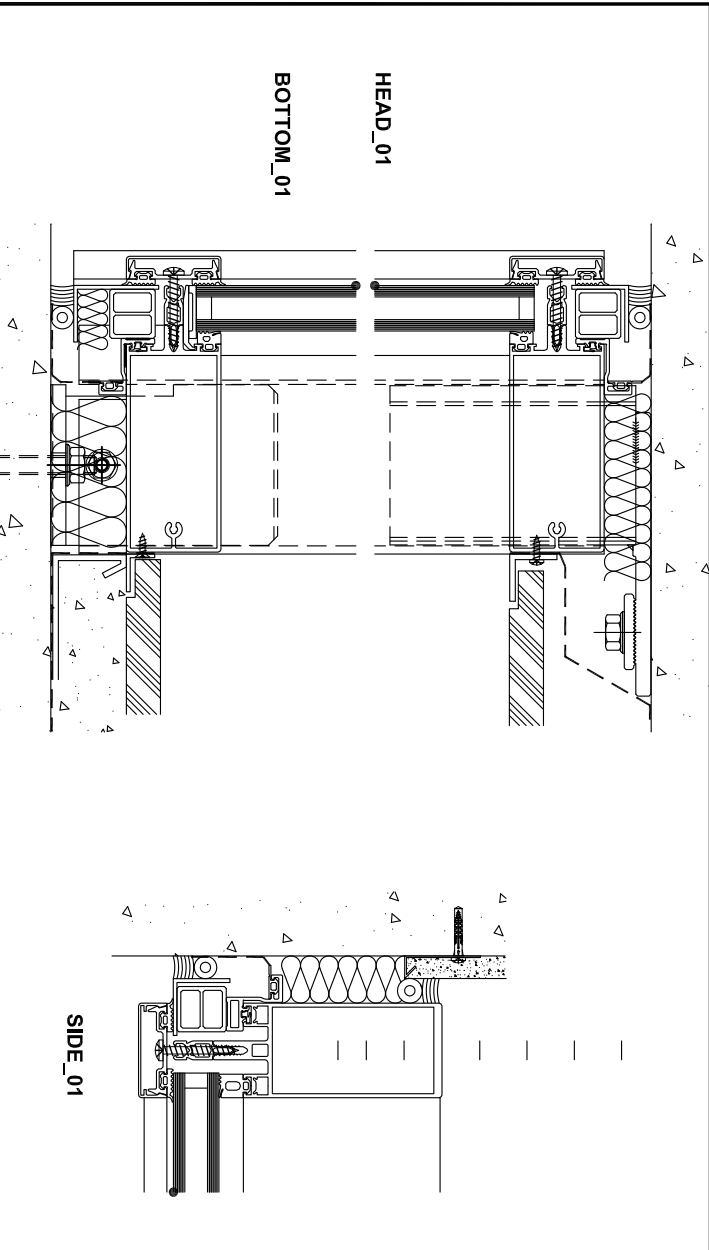
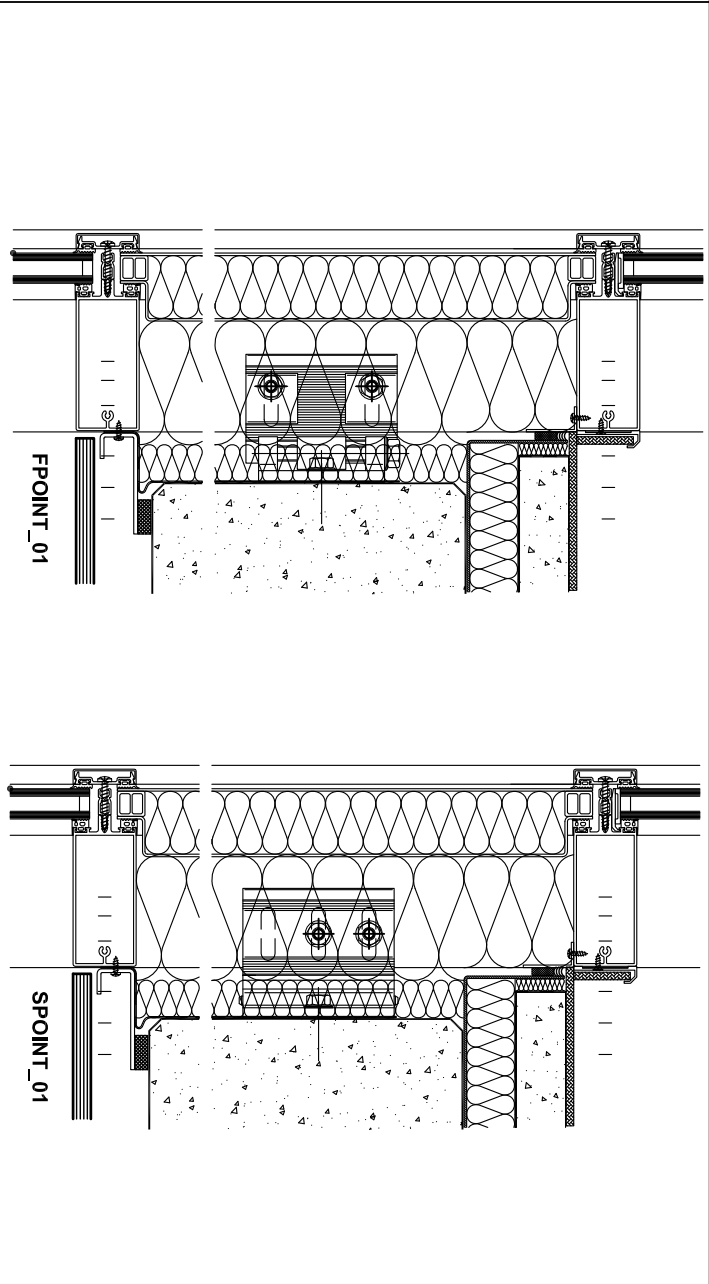
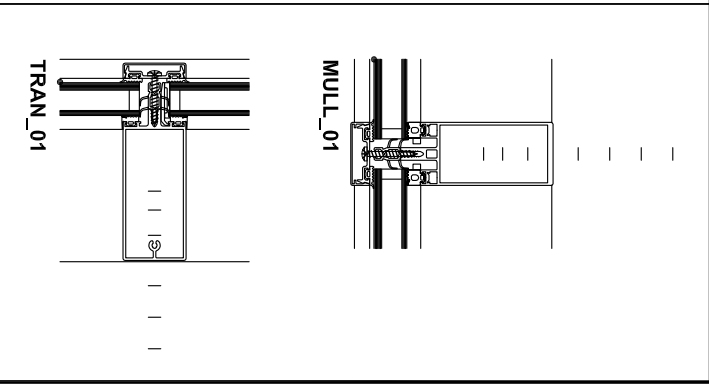
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building sustainability

INDIVIDUAL BRICKS FOR BUILDINGS OF CHARACTER

Summary FW 50+

Building Attachments

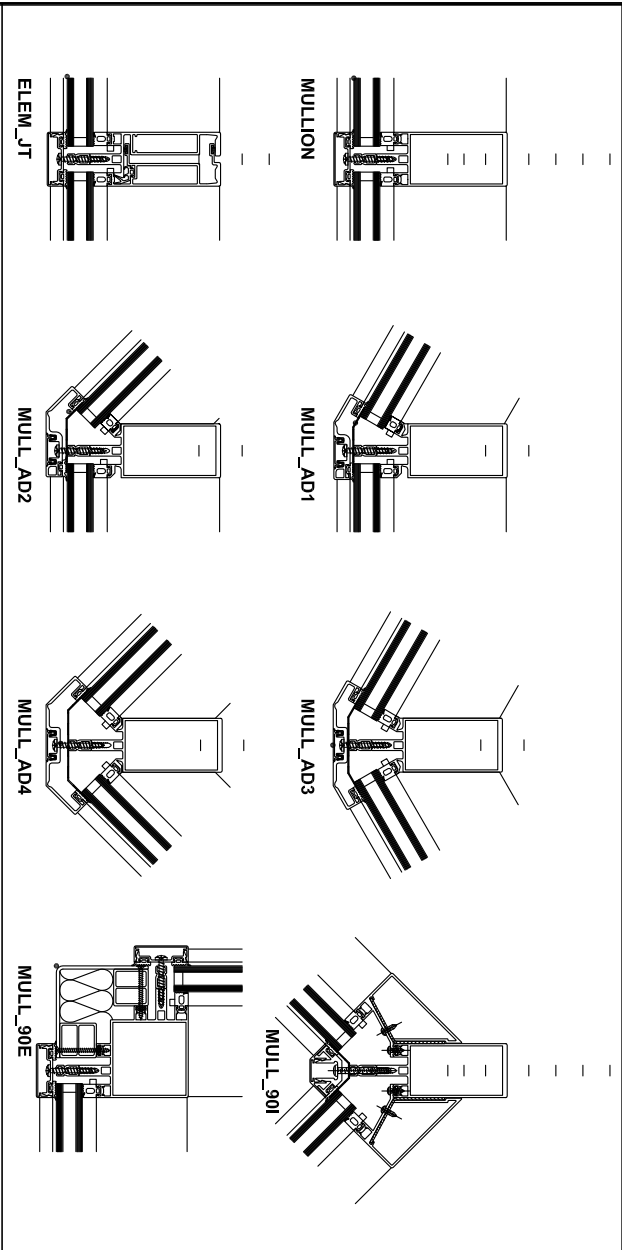
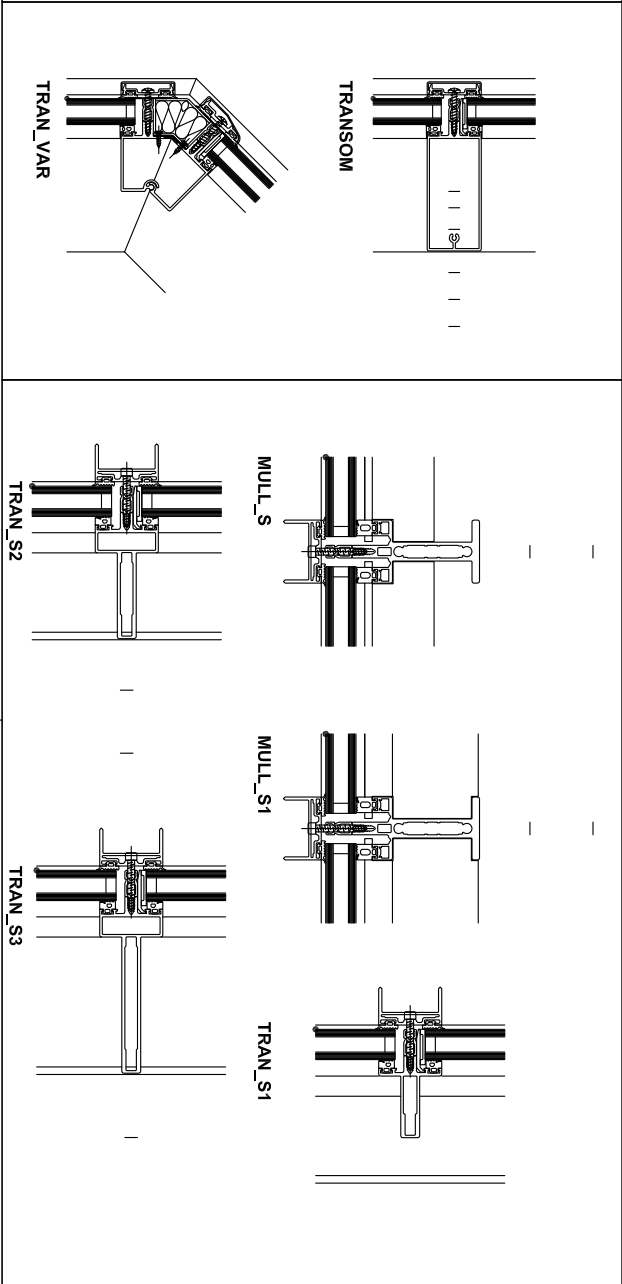
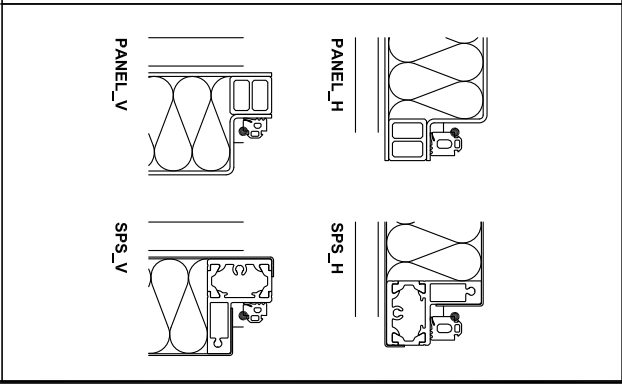
 HEAD_01 BOTTOM_01 SIDE_01			 FPOINT_01 SPOINT_01			 MULL_01 TRAN_01	
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Mullions

Transoms

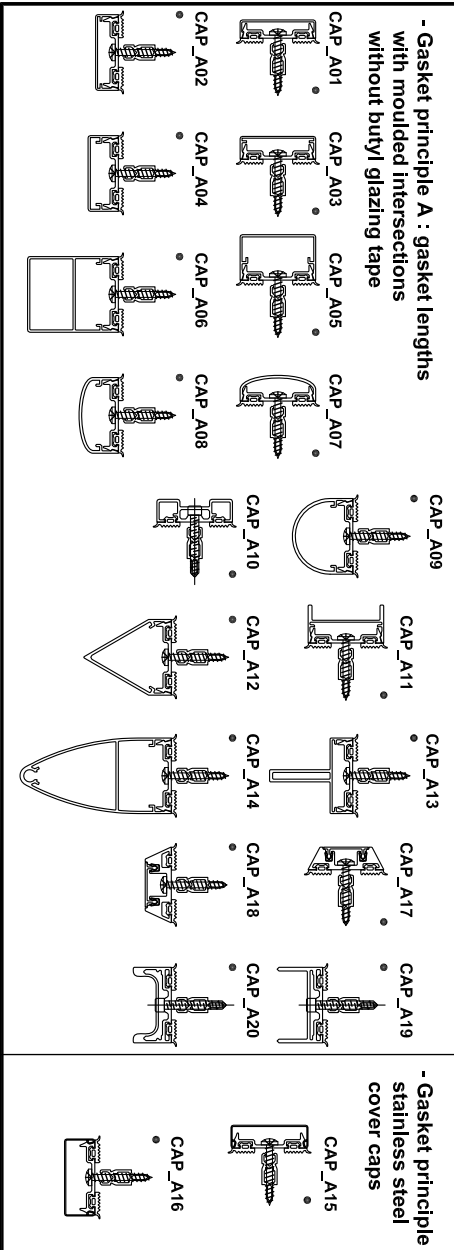
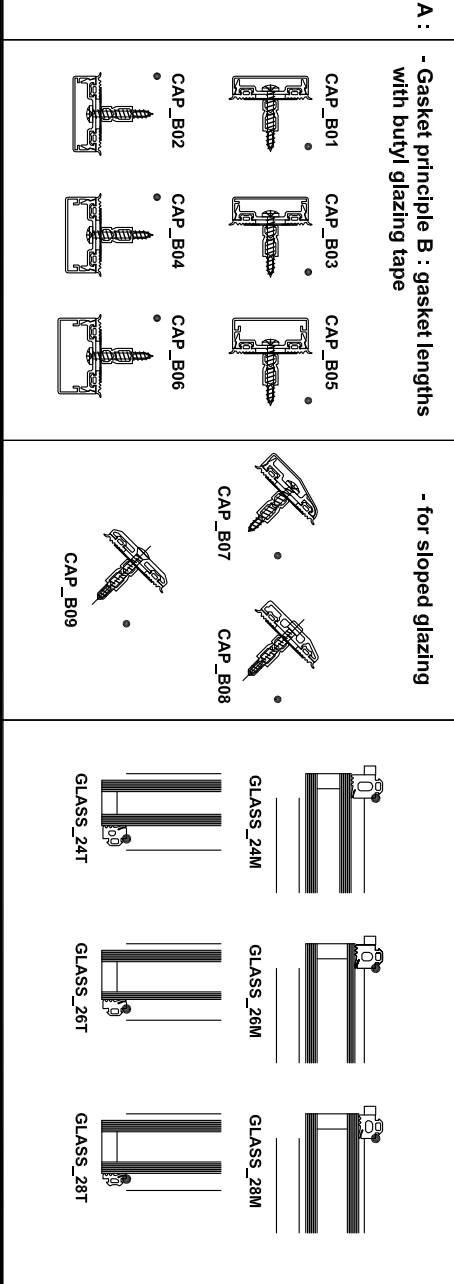
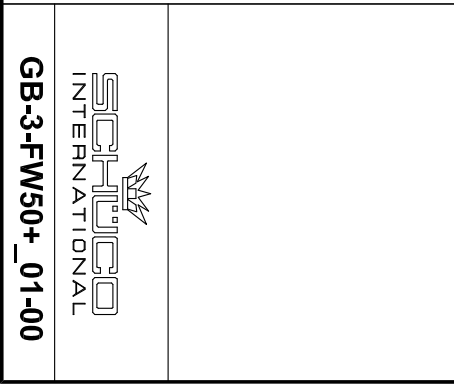
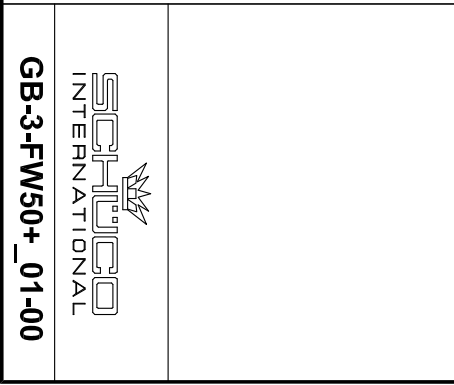
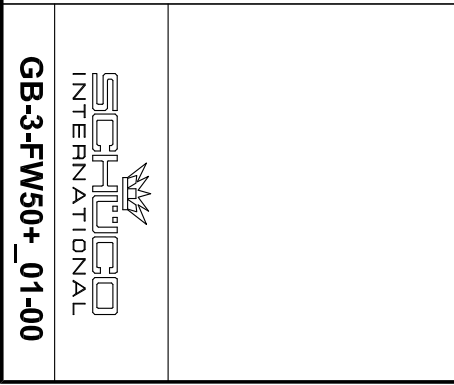
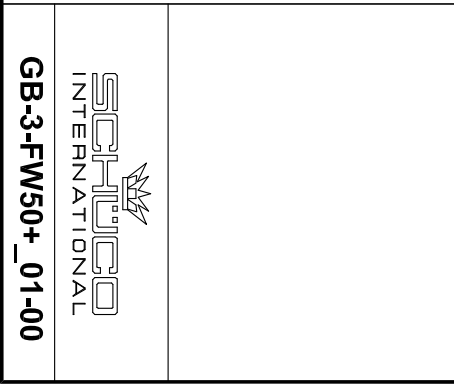
FW 50+ S
Mullion, Transom

Panels

 MULLION MULL_AD1 MULL_AD2 MULL_AD3 MULL_AD4 MULL_90E MULL_90I ELEM_JT			 TRANSOM TRAN_VAR MULL_S TRAN_S2 MULL_S1 TRAN_S1 TRAN_S3			 PANEL_H SPS_H PANEL_V SPS_V	
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Cover Caps

Glazing

 - Gasket principle A : gasket lengths with moulded intersections without butyl glazing tape CAP_A01 CAP_A02 CAP_A03 CAP_A04 CAP_A05 CAP_A06 CAP_A07 CAP_A08 CAP_A09 CAP_A10 CAP_A11 CAP_A12 CAP_A13 CAP_A14 CAP_A17 CAP_A18 CAP_A19 CAP_A20			 - Gasket principle A : stainless steel cover caps CAP_A15 CAP_A16 - Gasket principle B : gasket lengths with butyl glazing tape CAP_B01 CAP_B02 CAP_B03 CAP_B04 CAP_B05 CAP_B06 - for sloped glazing CAP_B07 CAP_B08 CAP_B09			 GLASS_24M GLASS_24T GLASS_26M GLASS_26T GLASS_28M GLASS_28T	
							

Air Conditioning

Product Information

**PLA-RP Standard Inverter Heat Pump
4-Way Blow Ceiling Cassette System**
(Single Phase)

Making a
World of
Difference

Mr.SUM.



The new 4-Way Cassette features a square grille design and when combined with our range of **Standard Inverters** offers all the benefits of inverter technology whilst being cost effective.

Key Features

- New square design grille
- Industry leading energy saving performance
- New airflow control, including horizontal airflow for greater comfort
- Optional 3D i-see sensor grille (PLP-6EAE grille)
- Optional filter lowering operation down to 4m (PLP-6EAJ grille) - coming 2017



Air Conditioning | Heating
Ventilation | Controls

Air Conditioning

Product Information

PLA-RP Standard Inverter Heat Pump 4-Way Blow Ceiling Cassette System (Single Phase)

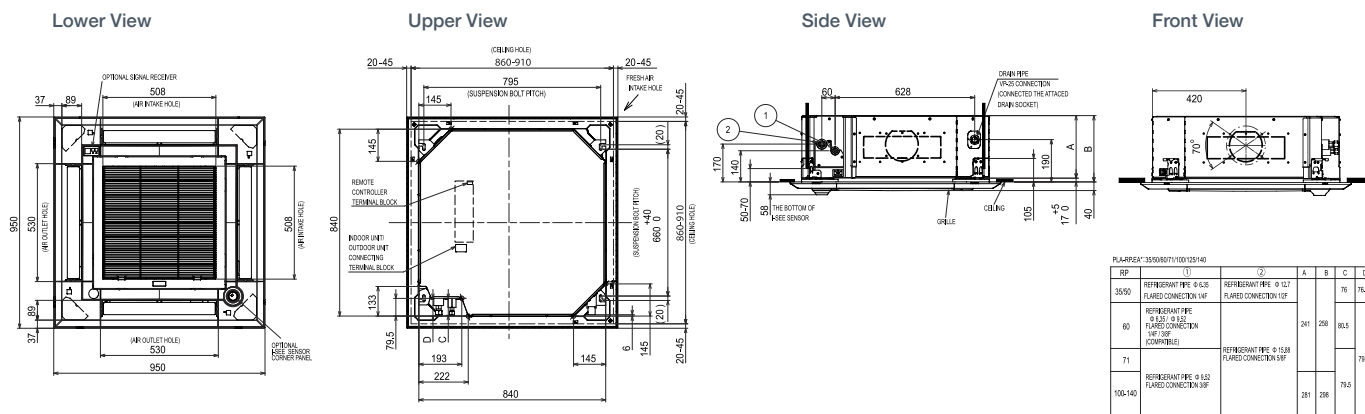
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Difference



PLA-RP - INDOOR UNITS		PLA-RP35EA	PLA-RP50EA	PLA-RP60EA	PLA-RP71EA	PLA-RP100EA	PLA-RP125EA	PLA-RP140EA
CAPACITY (kW)	Heating (nominal)	4.1 (1.7-5.0)	5.8 (1.7-7.2)	6.9 (2.5-8.0)	8.0 (2.6-10.2)	11.2 (4.5-12.5)	14.0 (5.0-16.0)	16.0 (5.0-18.0)
	Cooling (nominal)	3.6 (1.4-3.9)	5.5 (2.3-5.6)	5.7 (2.3-6.3)	7.1 (2.8-8.1)	9.4 (4.9-11.2)	12.3 (5.5-14.0)	13.6 (5.5-15.0)
	Heating (UK)	3.49 (1.45-4.25)	4.93 (1.45-6.12)	5.87 (2.13-6.80)	6.80 (2.21-8.67)	9.5 (3.85-10.65)	11.9 (4.25-13.6)	13.6 (4.25-15.3)
	Cooling (UK)	3.31 (1.29-3.59)	5.06 (2.12-5.15)	5.25 (2.12-5.80)	6.53 (2.58-7.45)	8.65 (4.5-10.3)	11.3 (5.05-12.9)	12.5 (5.05-13.8)
SHF (nominal & UK)		-	-	-	-	-	-	-
COP / EER (nominal)		4.10 / 3.50	3.43 / 3.40	3.50 / 3.23	3.56 / 3.38	3.41 / 2.70	3.41 / 3.01	3.21 / 2.61
SCOP / SEER (BS EN14825)		4.40 / 6.90	4.00 / 6.50	4.30 / 6.50	4.30 / 6.20	4.10 / 5.60	N/A	N/A
ErP ENERGY EFFICIENCY CLASS		A+ / A++	A+ / A++	A+ / A++	A+ / A++	A+ / A+	N/A	N/A
AIRFLOW (l/s)		183-217-250-267	200-233-317-350	200-233-317-350	233-283-317-350	317-383-433-483	350-417-467-517	400-433-483-533
PIPE SIZE mm (in)		Gas/Liquid 9.52 (3/8") / 6.35 (1/4")	12.7 (1/2") / 6.35 (1/4")	15.88 (5/8") / 6.35 (1/4")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")	15.88 (5/8") / 9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)		Lo-Mi-Hi 26-28-29-31	27-29-31-32	27-29-31-32	28-30-32-34	31-34-37-40	33-37-41-44	36-39-42-44
SOUND POWER LEVEL (dBA)		51	54	54	56	61	65	65
DIMENSIONS (mm)		Width x Depth x Height (Grille)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)	840 (950) x 840 (950) x 258 (40)
WEIGHT (kg)		Unit / Panel	19 / 5	19 / 5	21 / 5	24 / 5	26 / 5	26 / 5
ELECTRICAL SUPPLY		Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit	Fed by Outdoor Unit
FUSE RATING (BS88) - HRC (A)		6	6	6	6	6	6	6
INTERCONNECTING CABLE No. Cores		4	4	4	4	4	4	4
GRILLE REFERENCE		PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA	PLP-6EA
WIRED REMOTE CONTROLLER REFERENCE		PAR-32MAA	PAR-32MAA	PAR-32MAA	PAR-32MAA	PAR-32MAA	PAR-32MAA	PAR-32MAA

SUZ-KA / PUHZ-P - OUTDOOR UNITS		SUZ-KA35VA6	SUZ-KA50VA6	SUZ-KA60VA6	SUZ-KA71VA6	PUHZ-P100VHA5	PUHZ-P125VHA4	PUHZ-P140VHA4
SOUND PRESSURE LEVEL (dBA) Heating/Cooling		50 / 49	52 / 52	55 / 55	55 / 55	54 / 50	55 / 55	56 / 55
SOUND POWER LEVEL (dBA) Cooling		62	65	65	69	70	74	75
WEIGHT (kg)		35	54	50	53	75	99	99
DIMENSIONS (mm)		Width x Depth x Height	800 x 285 x 550	840 x 330 x 880	840 x 330 x 880	840 x 330 x 880	950 x 330 x 1350	950 x 330 x 1350
ELECTRICAL SUPPLY		220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
PHASE		Single	Single	Single	Single	Single	Single	Single
SYSTEM POWER Heating/Cooling (nominal)		1.00 / 1.02	1.69 / 1.61	1.97 / 1.76	2.20 / 2.10	3.28 / 3.48	4.10 / 4.08	4.98 / 5.21
INPUT (kW) Heating/Cooling (UK)		0.85 / 0.88	1.44 / 1.38	1.67 / 1.51	1.87 / 1.81	2.91 / 2.96	3.65 / 3.47	4.43 / 4.43
STARTING CURRENT (A)		4.7	7.7	8.7	9.9	12.0	15.0	15.0
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		4.7 / 4.6 (8.4)	7.3 / 7.7 (12.2)	7.8 / 8.7 (14.2)	9.3 / 9.9 (16.4)	14.04 / 14.90 (28)	17.33 / 17.23 (28)	22.10 / 22.20 (29.5)
FUSE RATING (BS88) - HRC (A)		10	20	20	20	32	32	40
MAINS CABLE No. Cores		3	3	3	3	3	3	3
MAX PIPE LENGTH (m)		20	30	30	30	50	50	50
MAX HEIGHT DIFFERENCE (m)		12	30	30	30	30	30	30
CHARGE R410A (kg)		1.15	1.6	1.6	1.8	3.0 (20m)	4.5 (30m)	4.5 (30m)

Product Dimensions



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning and heat pump systems contain fluorinated greenhouse gases R410A, R407C and R134a.



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Effective as of December 2016

Air Conditioning

Product Information

MSZ-SF50VE2 Inverter Heat Pump Classic Wall Mounted System

Making a
World of
Difference

M series



These models offer industry leading noise levels as low as 21dBA and have a distinctively styled front panel that not only looks appealing, but also helps to make cleaning of the unit easier. To aid control and energy saving, the new universal controller has a built 7 day timeclock.

Key Features

- Swing Vane Mode with Auto Vane Shutter
- Wide Swing and Long Airflow Mode available on GF models only
- Infra-red remote controller
- Econo Cool - allows set temperature to be raised by 2°C without any loss of comfort and a 20% gain in energy efficiency
- Auto-Restart
- Quiet operation
- Auto-Changeover
- Hot Start - draught prevention
- Optional Anti-Allergy Enzyme filter - artificial enzymecatalyst on the filament catches allergens
- Nano Platinum filter (only with GF models) - incorporates nanometre sized platinum-ceramic particles that generate stable antibacterial and deodourising effects
- Quick clean design
- Replace Technology available
- I-Save - Recalls the preferred (preset) temperature via a single button
- The MSZ-SF50VE2 is compatible with City Multi when used in conjunction with PAC-LV11M LEV kit



Air Conditioning | Heating
Ventilation | Controls

Air Conditioning

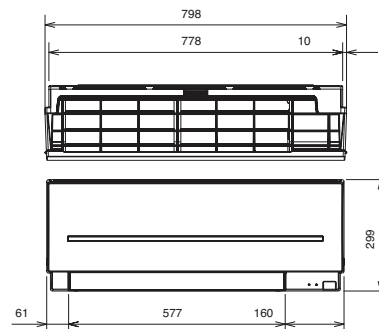
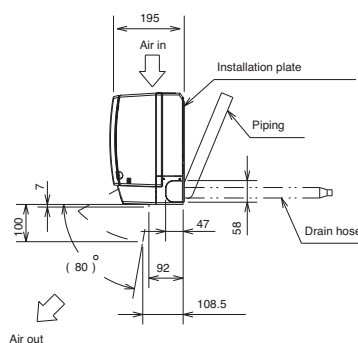
Product Information

MSZ-SF50VE2 Inverter Heat Pump Classic Wall Mounted System

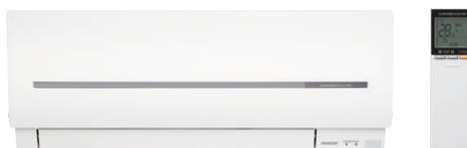
Making a
World of
Difference

MSZ-SF - INDOOR UNIT		MSZ-SF50VE2
CAPACITY (kW)	Heating (nominal)	5.8 (1.4-7.3)
	Cooling (nominal)	5.0 (1.4-5.4)
	Heating (UK)	4.8 (1.16-6.06)
	Cooling (UK)	4.96 (1.38-5.35)
SHF (nominal & UK)		0.70
COP / EER (nominal)		3.41 / 3.01
SCOP / SEER (BS EN14825)		4.4 / 7.2
ErP ENERGY EFFICIENCY CLASS Heating/Cooling		A+ / A++
AIRFLOW (l/s)	Heating - Silent-Lo-Mid-Hi-Shi	93-107-133-163-200
	Cooling - Silent-Lo-Mid-Hi-Shi	93-103-117-137-165
PIPE SIZE mm (in)	Gas	12.7 (1/2")
	Liquid	6.35 (1/4")
SOUND PRESSURE LEVEL (dBA) Heating/Cooling - Silent-Lo-Mid-Hi-Shi		28-33-38-43-49 / 28-33-36-40-45
SOUND POWER LEVEL (dBA)		58
DIMENSIONS (mm) Width x Depth x Height		798 x 195 x 299
WEIGHT (kg)		10
ELECTRICAL SUPPLY		Fed by Outdoor Unit
FUSE RATING (BS88) – HRC (A)		6
INTERCONNECTING CABLE No. CORES		4

DIMENSIONS



MUZ-SF - OUTDOOR UNIT		MUZ-SF50VE
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	52 / 52
SOUND POWER LEVEL (dBA)	Cooling	65
WEIGHT (kg)		55
DIMENSIONS (mm)	Width x Depth x Height	840 x 330 x 880
ELECTRICAL SUPPLY		220-240v, 50Hz
PHASE		Single
SYSTEM POWER INPUT (kW)	Heating/Cooling (nominal)	1.700 / 1.660
	Heating/Cooling (UK)	1.55 / 1.34
STARTING CURRENT (A)		7.6
SYSTEM RUNNING CURRENT (A) Heating/Cooling [MAX]		7.6 / 7.4 [12.3]
FUSE RATING (BS88) - HRC (A)		16
MAINS CABLE No. CORES		3
MAX PIPE LENGTH (m)		30
MAX HEIGHT DIFFERENCE (m)		15
CHARGE R410A (kg)		1.55 (7m)



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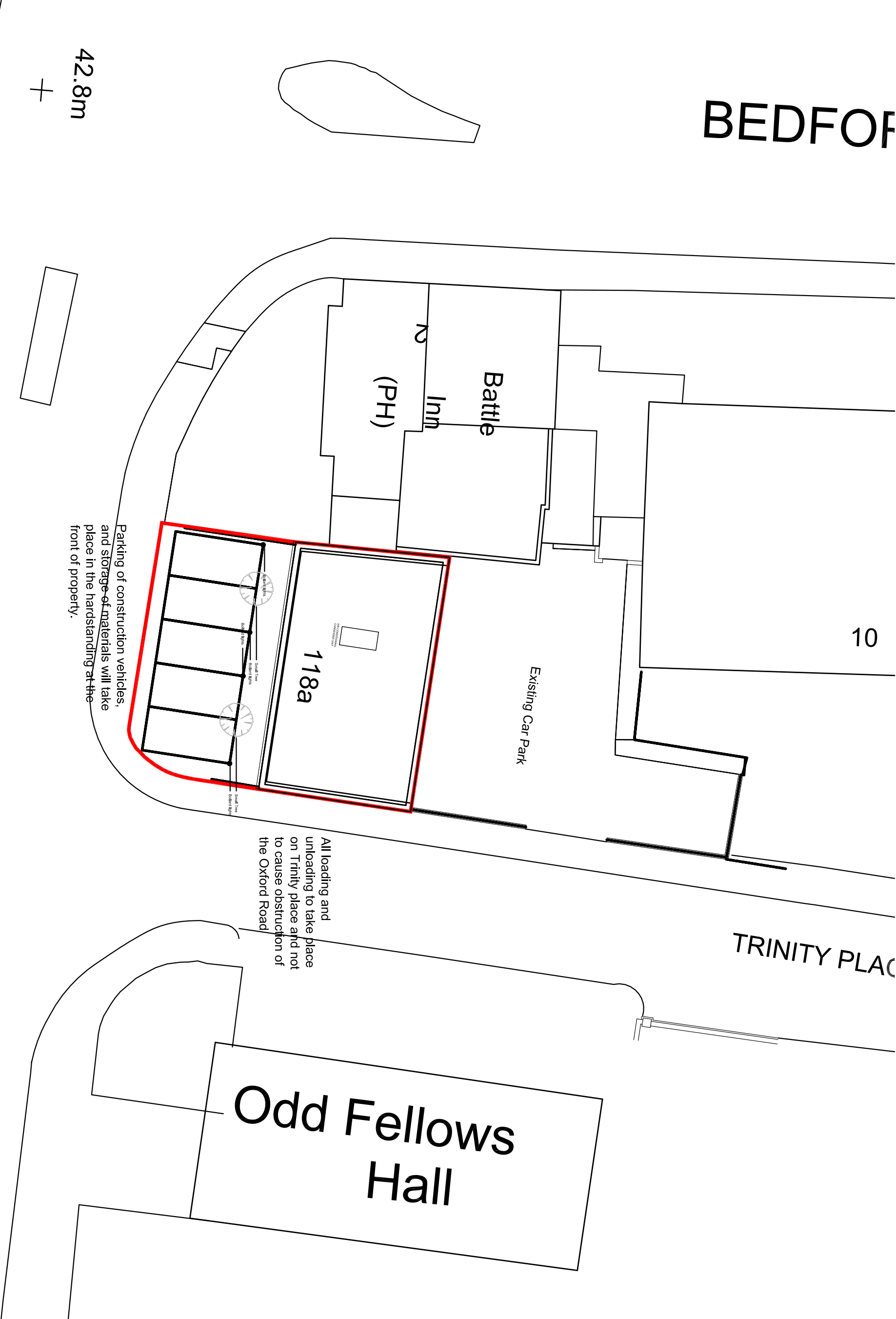


Mitsubishi Electric
Living Environmental Systems UK



mitsubishielectric2

Effective as of April 2015



42.8m



OXFORD ROAD

STATUS			
FOR TENDER			
PROJECT No	DWG TYPE	DWG No	REV
2270	TD	100	00
SCALE			
1:200@A3	DATE	DRAWN	CHECKED
	06/02/14	JM	DL
DO NOT SCALE DRAWINGS. USE ONLY DIMENSIONS GIVEN. CONTRACTOR TO CHECK SITE DIMENSIONS AND REPORT ANY VARIATIONS OR OMISSIONS TO WILLCOX AND MUST NOT BE REPRODUCED OR USED WITHOUT PERMISSION			
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Luminaire Bollards

Boston Bollard NEW!



Boston Luminaire Bollard, Steel



Boston Bollard, Stainless Steel, Barnsley

The Boston range of luminaires is suitable for many exterior lighting applications. The tubular body is available in stainless steel or steel. The steel option is given a special phosphate coating under a resilient textured black EPC paint finish as standard. Available as either root or base plate fixed.

The thick acrylic lens covers a white gloss finish louvre stack and is held in place by a cast alloy top and collar. The top is available in either domed or flat style.

The gear tray is manufactured from galvanised steel and is removable for ease of maintenance. Versions are available using high efficiency discharge lamps such as high pressure sodium and mercury and also the latest compact fluorescent triple lamps with high frequency electronic gear.

All luminaires in this range are designed to comply with BS EN 60598 and are suitable for operation in exterior applications.

Product Description	Diameter (mm)	Height (mm)	Domed	Flat	Mild Steel PC	Stainless Steel	Root Fixed	Baseplate	Standard Colour	Guide Price*
Boston Bollard	150	1300	■	■	■	■	■	■	RAL Black 9005	£254

* Price shown is for the steel version; for stainless steel price please contact our sales team