

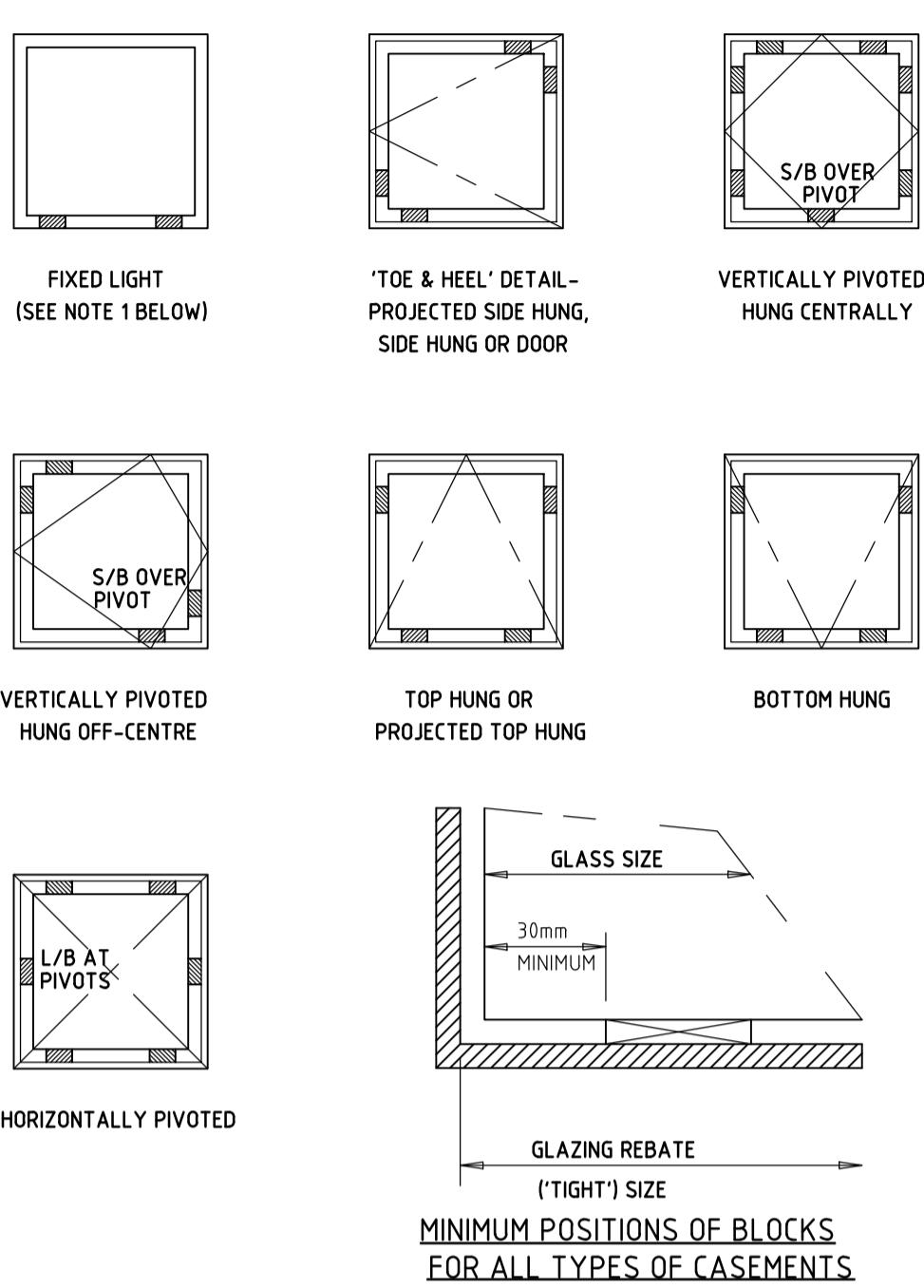
OUTSIDE ELEVATIONS - DO NOT SCALE

FIXING PROCEDURE FOR W20 WINDOWS:

1. WINDOW FRAMES SHOULD BE REMOVED FROM THEIR CRATES AND CHECKED OFF AGAINST THE PACKING OR PARTS LIST BEFORE THEY ARE CAREFULLY STACKED ON WOODEN BATONS WITH PACKING SUCH AS CARDBOARD BETWEEN FRAMES. IF THE FRAMES ARE NOT TO BE STORED UNDER COVER THEY SHOULD BE COVERED WITH WATERPROOF SHEETING.
2. SOME ANCILLARY COMPONENTS, SUCH AS DOOR HANDLES AND FIXINGS ETC ARE PACKED IN POLYTHENE BAGS OR CARDBOARD BOXES. CRATES SHOULD BE CHECKED TO ENSURE EVERYTHING HAS BEEN REMOVED BEFORE DISPOSAL.
3. BEFORE COMMENCING INSTALLATION, OPENINGS SHOULD BE CHECKED TO ENSURE THEY ARE THE CORRECT SIZE. ANY COUPLED ASSEMBLIES SHOULD BE SET OUT, CHECKED FOR SQUARENESS OPERATION AND THAT THE FITTINGS OPERATE CORRECTLY.
4. WHERE PRESSED METAL ITEMS ARE SPECIFIED, THESE MUST BE CENTRALISED IN THE OPENING AND CHECKED FOR LINE AND LEVEL BEFORE FIXING.
5. WHEN FIXING COUPLED ASSEMBLIES, MULLION BAR POSITIONS MUST BE SET OUT PRIOR TO THE INSTALLATION OF THE WINDOW FRAMES. THIS ENSURES ANY VARIATION BETWEEN WINDOW UNIT SIZE AND THE OPENING SIZE IS EQUALIZED. POSITION MULLIONS ENSURING THEY ARE PLUMB IN BOTH PLANES.
6. APPLY UNIVERSAL BEDDING COMPOUND TO THE PERIMETER OF FRAMES AND TO THE COUPLING BARS-ALTERNATIVELY, IF NO BEDDING COMPOUND IS SPECIFIED ENSURE ALL PERIMETER HOLES IN THE FRAME ARE SEALED WITH SILICONE, WITH PARTICULAR REGARD TO FIXED LIGHTS & THE HEAD BARS OF SASH FRAMES. NYLON WASHERS ARE USED AT THE SILL FIXINGS OF OPENING VENTS. ALSO ENSURE GLAZING BARS ARE SEALED AT FENESTRA JOINTS AND AT THEIR JUNCTION WITH THE FRAME PERIMETER. SEE DETAILS FOR SPECIFIC REQUIREMENTS. INSERT WINDOWS BETWEEN STRUCTURE AND MULLIONS, ENSURING HOLES IN THE WINDOW FRAME ALIGN WITH THOSE IN THE MULLION (WHERE APPLICABLE). SHIM TIGHT. CHECK FRAMES ARE POSITIONED FOR LINE LEVEL & PLUMB BEFORE BOLTING FRAMES AND MULLIONS LOOSELY TOGETHER. SECURE FRAMES TO STRUCTURE - BEFORE FULLY TIGHTENING SCREWS, MAKE FINAL CHECK FOR LINE LEVEL & PLUMB.
7. 'HOLE IN THE WALL' WINDOWS SHOULD BE CENTRALISED IN THE OPENING. SHIM AS REQUIRED TO ENSURE WINDOW IS PLUMB, LEVEL AND SQUARE AND SECURED TO THE STRUCTURE. EMBEDMENT OF SCREWS MUST BE A MINIMUM OF 25mm. DIFFERENT FIXINGS ARE USED FOR DIFFERENT STRUCTURAL MATERIALS - WOODSCREWS INTO TIMBER, PLUGS AND WOODSCREWS INTO MASONRY/BRICKWORK, SELF TAPPING SCREWS INTO PRESSINGS AND MACHINE SCREWS INTO SOLID METAL. REFER TO INDIVIDUAL FIXING DETAILS FOR PRECISE SCREW REQUIREMENTS. TO ENSURE THE PRODUCT CONFORMS TO THE STRUCTURAL REQUIREMENTS OF THE SPECIFICATION, SHIM THICKNESS SHOULD NOT EXCEED 1.5 x FIXING DIAMETER. WHERE GAPS ARE IN EXCESS OF THIS, SOLID BLOCKING MUST BE USED.
8. WHERE GLAZING BARS OCCUR IN ADJACENT FRAMES IT IS ESSENTIAL THAT THESE ARE CHECKED TO ENSURE THEY LINE THROUGH.
9. PRIOR TO GLAZING, MAKE SURE THAT THE GLASS IS SQUARE AND FITS PROPERLY. ENSURE ALL SWarf AND DIRT IS REMOVED FROM THE GLAZING AREA BY WIPING WITH A CLEAN RAG. NOTE THAT GLAZING BEADS ARE ATTACHED TO THEIR PARTICULAR PANE AND ARE NOT INTERCHANGEABLE.
10. REFER TO GLAZING DETAIL. APPLY GLAZING TAPE TO HEAD AND SILL FIRST, TAPE AT JAMBS SHOULD BUTT BETWEEN. SEAL JOINT WITH COMPATIBLE SEALANT. ALL GLASS SHOULD BE BLOCKED IN ACCORDANCE WITH BS6262- SEE ILLUSTRATION. POSITION GLASS CENTRALLY IN FRAME AND PRESS FIRMLY ONTO THE GLAZING TAPE. IT IS ESSENTIAL TO 'TOE AND HEEL' ALL SIDE HINGED WINDOWS AND DOORS. APPLY STUDS FOR SNAP-ON BEADS.
11. APPLY HEAD AND SILL BEADS, ENSURING THEY ARE CENTRALISED IN THE REBATE. APPLY JAMB BEADS, CENTRALISING BETWEEN HORIZONTALS. ANY GAPS AT THE CORNERS SHOULD BE EQUALISED AROUND THE FRAME, WITH THE MAXIMUM ALLOWABLE GAP SPECIFIED IN BS 6510:2005 OF 3mm.
12. APPLY SILICONE CAPPING. AS SHOWN ON THE GLAZING DETAIL.
13. PERIMETER AND COUPLING POINTING CAN NOW BE CARRIED OUT. CLEAN AREAS TO BE SEALED FIRST AND APPLY PRIMER WHERE NECESSARY - CONSULT SEALANT MANUFACTURER.
14. LOOSE FITTINGS, IE DOOR HANDLES, WEATHER BARS ETC. CAN NOW BE FITTED.
15. REMOVE LABELS FROM GLASS AND CLEAN DOWN.

MARCH 2017

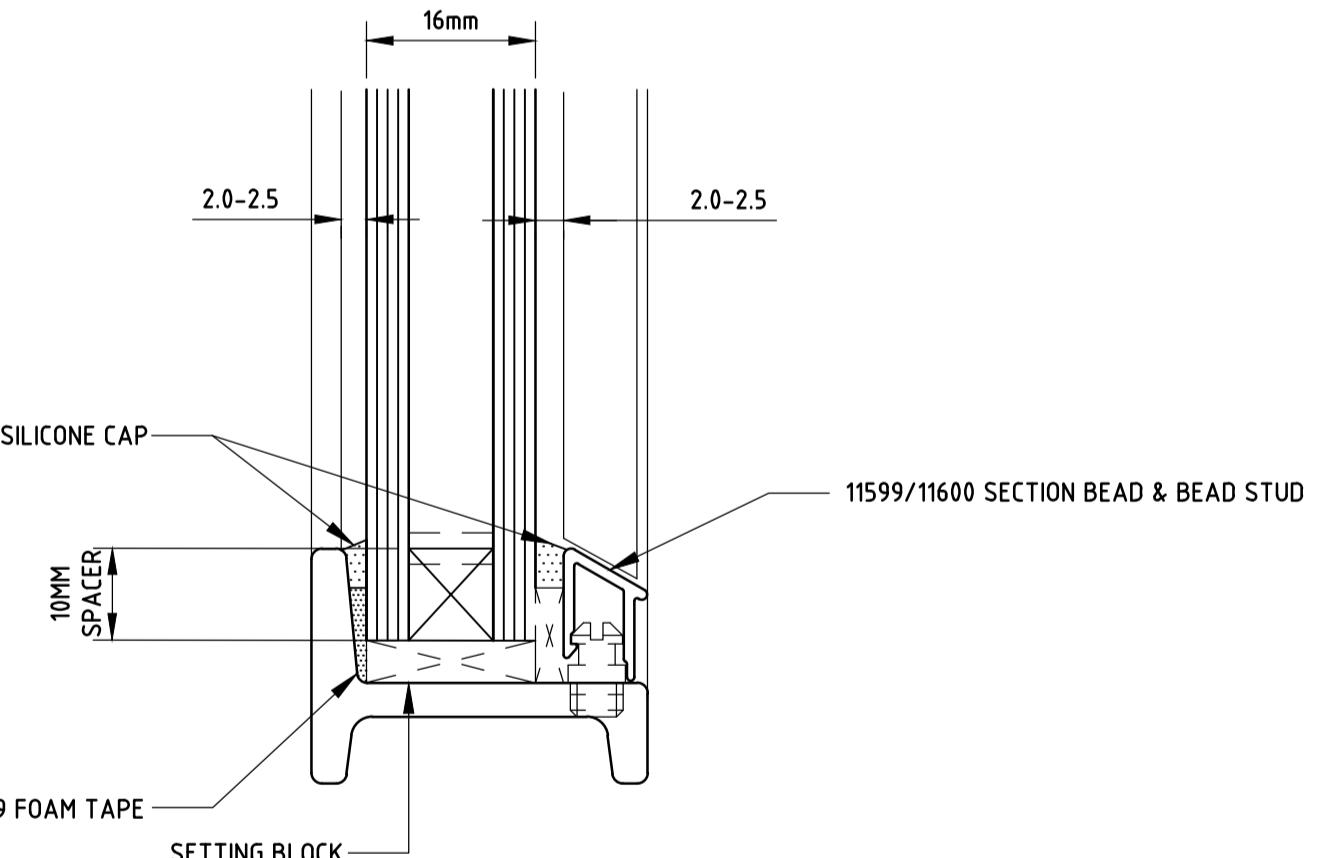
RECOMMENDED POSITIONS OF SETTING & LOCATION BLOCKS FOR THE SITE GLAZING OF SOME TYPES OF SURROUNDS



NOTE 1. SETTING BLOCKS FOR FIXED LIGHTS SHOULD PREFERABLY BE AT THE QUARTER POINTS, BUT CAN BE POSITIONED AS SHOWN ABOVE IF NECESSARY.

NOTE 2. FOR DESIGNS WHERE THE ACTUAL POSITIONS ARE CRITICAL, BLOCK POSITIONS WILL BE STATED ON THE RELEVANT DRAWINGS.

W20 16mm INTERNAL GLAZING DETAIL (2 : 1 SCALE)



IMPORTANT:

THESE DRAWINGS COVER ONLY THE WORK IN CRITTALL WINDOWS LIMITED CONTRACT. WE DO NOT ASSUME OR ACCEPT ANY RESPONSIBILITY FOR MEASUREMENTS AFFECTING THE WORK OF OTHER CONTRACTORS. DETAILS OF MASONRY, STRUCTURAL STEEL AND OTHER MATERIALS RELATED TO OUR WORK BUT NOT FURNISHED BY CRITTALL WINDOWS LIMITED HAVE BEEN INDICATED ON OUR SHOP DRAWINGS TO THE BEST OF OUR ABILITY AND REFLECT OUR INTERPRETATION OF THE ARCHITECTURAL DRAWINGS AND OUR CONTRACT REQUIREMENTS. TO ENSURE PROPER FITTING AND COORDINATION OF OUR WORK WITH OTHER TRADES, THESE DRAWINGS MUST BE CHECKED BY THE CONTRACTOR AND/OR ARCHITECT AGAINST INFORMATION PROVIDED BY SUPPLIERS OF OTHER MATERIALS THAT RELATE TO OUR WORK, BUT WHICH ARE NOT FURNISHED BY CRITTALL WINDOWS LIMITED.

1. ARRANGE SETTING BLOCKS IN ACCORDANCE WITH BS 6262
2. APPLY FOAM TAPE TO THE GLAZING NIB AS PER STANDARD GLAZING INSTRUCTIONS
3. POSITION THE GLASS UNIT ONTO THE SETTING BLOCKS AND PRESS FIRMLY ONTO THE GLAZING TAPE
4. ARRANGE LOCATION BLOCKS IN ACCORDANCE WITH BS 6262
5. SNAP THE BEAD OVER THE STUDS AND SILICONE CAP INSIDE AND OUT IN THE USUAL WAY. TIGHT BEADS ARE TO BE FILED TO FIT ON SITE. USE SPACERS AT BEAD JUNCTIONS TO ENSURE BEAD CORNERS ARE FLUSH

SPECIFICATION:

SECTION- ROLLED STEEL W20 SECTION FIXED LIGHTS, VENTS AND DOORS ALL AS SHOWN.

PRESSED METAL- N/A

FINISH- HOT DIPPED GALVANISED AND POLYESTER POWDER COATED RAL 9010 MATT (GLOSS LEVEL 30% +/-5%) PURE WHITE

GLASS/GLAZING- GLAZING BY CWL TO BE 16mm DGU COMPRISING:

16MM CLEAR TOUGHENED DENOTED ON ELEVATIONS AS GL1
4MM GUARDIAN EXTRA CLEAR TOUGHENED OUTER PANE
8MM KRYPTON FILLED CAVITY WITH WHITE SPACER
4MM GUARDIAN CLIMAGUARD A 1.1 SOFT COAT LOW-E TOUGHENED INNER PANE

16MM OBSCURE TOUGHENED DENOTED ON ELEVATIONS AS GL2

4MM STIPPOLITE TOUGHENED OUTER PANE
8MM KRYPTON FILLED CAVITY WITH WHITE SPACER
4MM GUARDIAN CLIMAGUARD A 1.1 SOFT COAT LOW-E TOUGHENED INNER PANE

MAX CENTRE PANE U-VALUE 1.2W/m²K

FITTINGS- HORIZONTAL PIVOT WINDOWS

FRICITION CUPS
SWF B36 SINGLE SPRING CATCH IN SATIN CHROME FINISH
SWF S4463 RESTRICTOR

HORIZONTAL PIVOT WINDOWS (ESTIMATE ITEMS 6, 7, 14, 15, 16, UPPER 18 & 19)

FRICITION CUPS
SWF B36 SINGLE SPRING CATCH IN SATIN CHROME FINISH
SWF B195 NON-LOCKING HANDLE IN SATIN CHROME FINISH WITH NATURAL BRASS FINISH STRIKE PLATE
SWF S4463 RESTRICTOR

HORIZONTAL PIVOT WINDOWS (ESTIMATE ITEMS LOWER 18)

FRICITION CUPS
SWF B36 SINGLE SPRING CATCH IN SATIN CHROME FINISH
2No. SWF B195 NON-LOCKING HANDLE IN SATIN CHROME FINISH WITH NATURAL BRASS FINISH STRIKE PLATE
SWF S4463 RESTRICTOR

OPEN IN BOTTOM HUNG WINDOWS

WELD ON NON-PROJECTING HINGES FINISH AS FRAMES,
CONCEALED SIDE ARM,
SWF B36 SINGLE SPRING CATCH WITH RING PULL IN SATIN CHROME FINISH

OPEN OUT DOUBLE DOORS

WELD ON SELF ALIGNING HINGES
FRICITION TOP ARM TO EACH LEAF
THUMBURNS FINISH AS FRAMES (TOP FITTED WITHIN REACH)
MORTICE LOCK WITH EURO PROFILE CYLINDER TO SECOND CLOSING LEAF
B85C CONCEALED BOLTS TO HEAD AND SILL OF FIRST CLOSING LEAF
ARONE AR2500 DOOR CLOSER WITH SQUARE COVER IN SILVER FINISH WITH ARM IN RAL 9010 TRAFFIC BLACK FINISH TO EACH LEAF
PAIR OF SWF B850 LEVER DOOR HANDLES IN SATIN CHROME FINISH TO LCL
PAIR OF SWF B851 ESCUTCHEONS IN SATIN CHROME FINISH TO LCL
FULL HEIGHT ANTI-FINGER TRAP TO HINGE JAMB
SADDLE TYPE THRESHOLD IN SATIN ANODISED ALUMINIUM FINISH

FIXING- BY CRITTALL WINDOWS LIMITED

WIND LOAD- 1200pa

GLAZING CAPPING- ARBOSIL 1096 COLOUR WHITE

POINTING (& COLOUR)- ARBOSIL 1096 (COLOUR WHITE TBC)
BY CRITTALL WINDOWS LIMITED

CRITTALL WINDOWS Ltd TO:
MANUFACTURE, DELIVER, FIX & GLAZE

SPECIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
OUTSIDE ELEVATIONS - DO NOT SCALE															
SPECIFICATION															
RECOMMENDED POSITIONS OF SETTING & LOCATION BLOCKS FOR THE SITE GLAZING OF SOME TYPES OF SURROUNDS															
CONSTRUCTION ISSUE															
* DETAILER'S SIGNATURE AUTHORISES RELEASE FOR PRODUCTION/INSTALLATION															

LEGEND:	(DELETE AS APPLICABLE)
A	— PLUGS BY CRITTALL/OTHERS
B	— HOLES BY GENERAL CONTRACTOR/CRITTALL
C	POLYURETHANE FOAM INFILL NOT WITHIN CRITTALL SCOPE OF WORKS
D	BRICKWORK ETC TO BE FLUSH-POINTED 12mm FORWARD OF EXTERNAL FACE OF WINDOWS
E	DETAIL NUMBER
F	DRAWING NUMBER

TOLERANCES: OUR PRICES ARE BASED UPON OPENINGS FOR WINDOWS BEING SUFFICIENTLY ACCURATE IN SIZE, POSITION, SQUARENESS AND STRAIGHTNESS TO ENABLE WINDOWS TO BE FIXED WITH A MAXIMUM 6mm CLEARANCE BETWEEN WINDOWS, FIXING BRACKETS AND STRUCTURE

BI-METALLIC CORROSION: THE CONTENT OF THESE DRAWINGS HAVE TAKEN INTO CONSIDERATION BI-METALLIC CORROSION (GALVANIC ACTION) EFFECTS FOR THE MATERIALS USED THEREIN, BY FOLLOWING THE ADVICE GIVEN IN PD 6484:1979, PUBLISHED BY BSI

VARIATIONS TO CONTRACT: FINAL APPROVAL OF THIS DRAWING BY THE SPECIFIER WILL BE DEEMED AS ACCEPTANCE OF PAYMENT LIABILITY FOR ANY TIME AND/OR COST VARIATION TO THE CONTRACT

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REVISION	REVISION TO ESTIMATE	BY	DATE
C	CONSTRUCTION ISSUE	SJR	25/11/19
B	OBSCURE GLASS ADDED, RAL UPDATED	SJR	08/11/19
A	UPSTROKE OF DRAWING FOLLOWING SURVEY	SJR	01/10/19
REVISION	REVISION TO DRAWING	BY	DATE

CRITTALL®															
CRITTALL® IS A REGISTERED TRADE MARK OF CRITTALL WINDOWS LTD															
TITLE LADY BANKES JUNIOR SCHOOL, DAWLISH DRIVE, RUISLIP, MIDDLESEX, HA4 9SF															
CONTRACTOR LENGARD LIMITED, CAMBRIDGE HOUSE, CAMBRIDGE ROAD, HARLOW, ESSEX, CM20 2EQ															
ARCHITECT PELLINGS LLP, NORTHSIDE HOUSE, MOUNT PLEASANT, BARNET, EN4 9EB															
DRAWN STEVE RANSON DATE AUGUST 2019															
CHECKED SCALE AT A1 N/A															
DRAWING NUMBER SHEET NUMBER ITEMS															
9650G2B S1															
REVISION NUMBER	A	B	C												
DDO ISSUE NUMBER															
DETAILED BY															DIST
FINISH															