

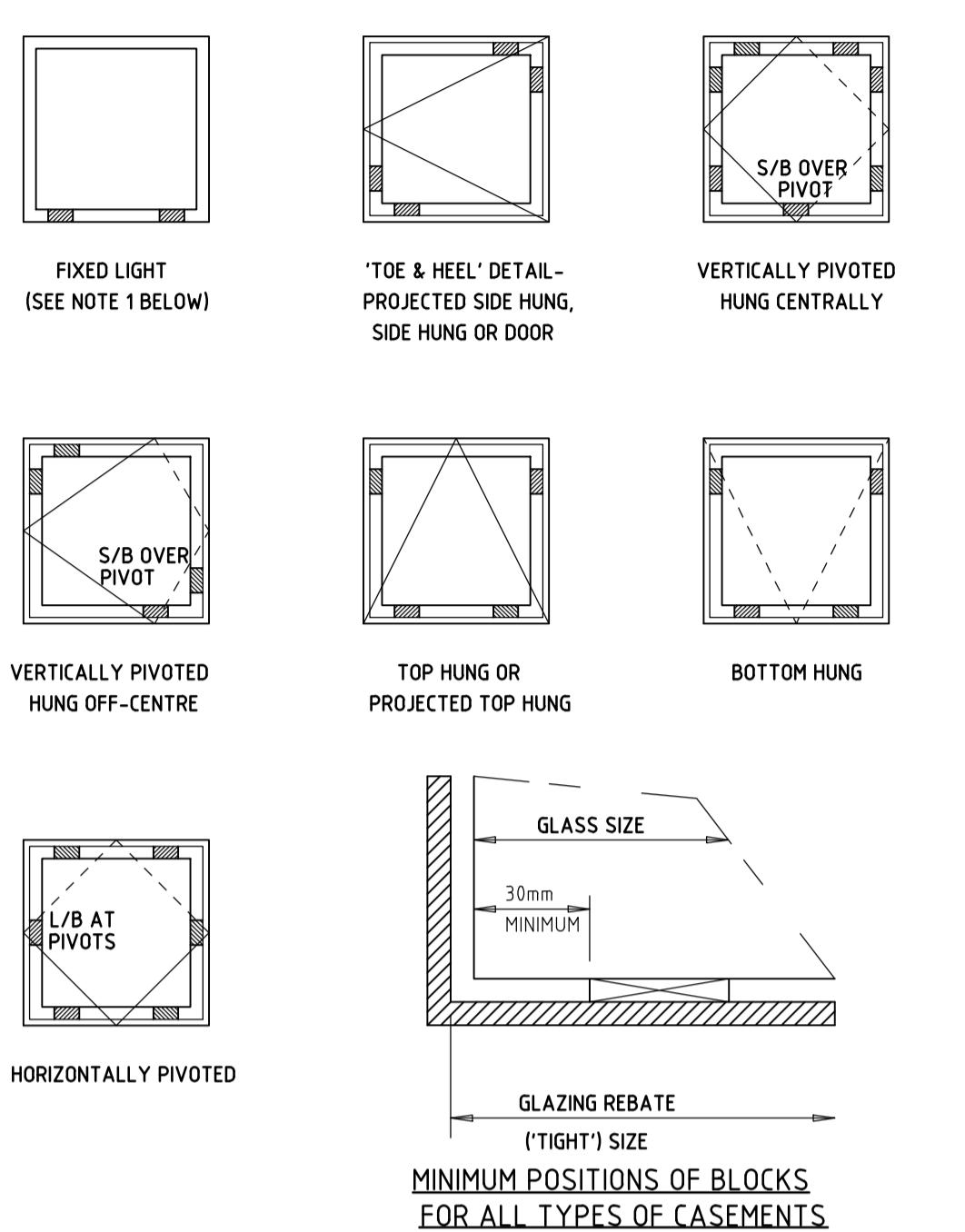
OUTSIDE ELEVATIONS - DO NOT SCALE

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 EQUALISED. 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 PLUM, 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 PRESSIONS 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

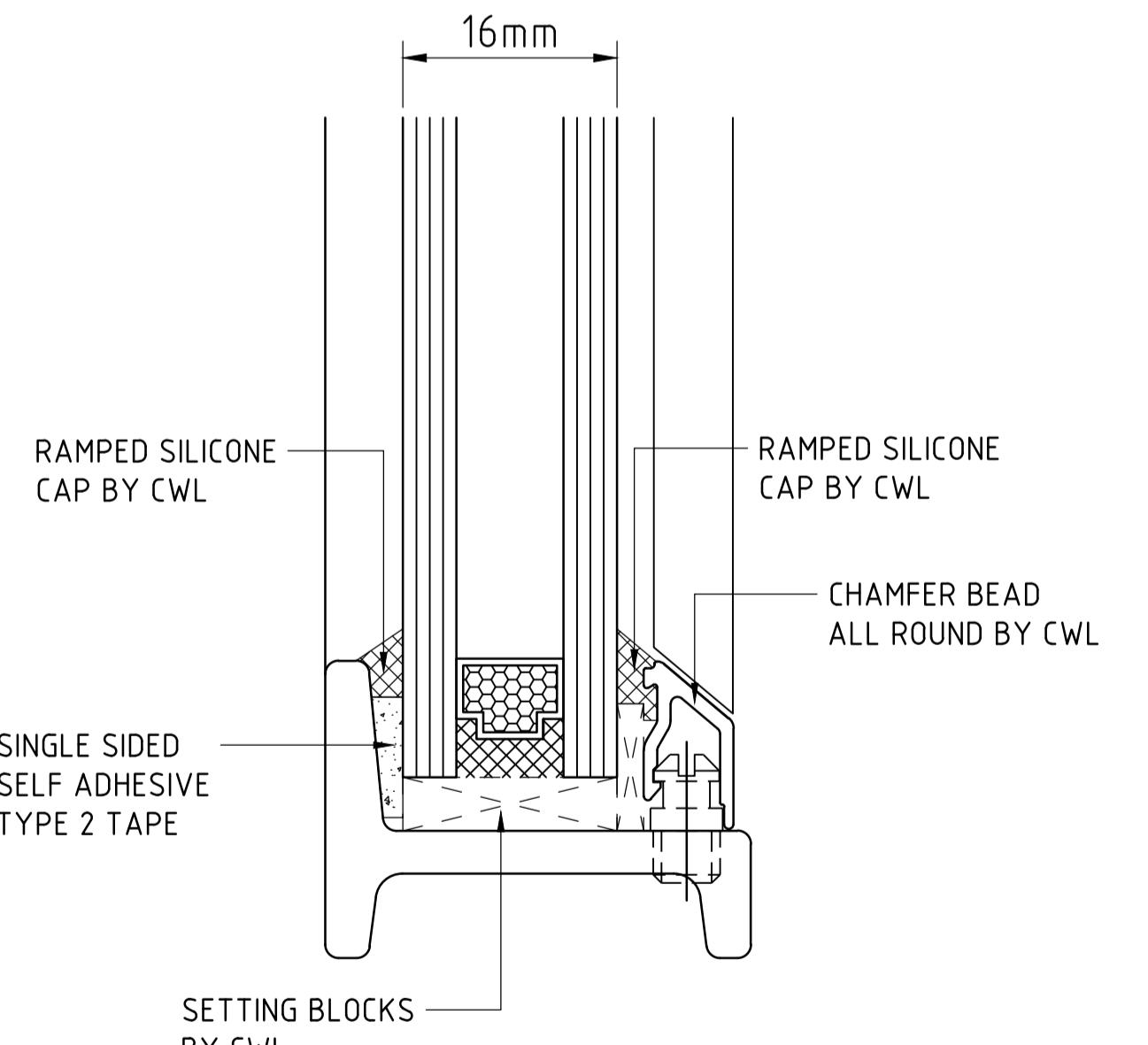
RECOMMENDED POSITIONS OF SETTING & LOCATION BLOCKS FOR THE SITE GLAZING OF SOME TYPES OF SURROUNDS



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 16 mm INTERNAL GLAZED DETAIL (2 : 1 SCALE)



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

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.

SPECIFICATION:

SECTION - HOT ROLLED STEEL W20 SECTION FIXED LIGHTS, VERTICAL PIVOTS, TOP HUNG WINDOWS, SIDE HUNG WINDOWS AND SIDE HUNG SINGLE AND DOUBLE DOORS ALL AS SHOWN AS GLAZE IN SECTION FEATURING GENUINE STEEL GLAZING BARS WITH 'FENESTRA' CRUCIFORM JOINTS

PRESSED METAL - 2mm PRESSED STEEL PANELS FULLY INSULATED

FINISH - RAL COLOUR BS08B29 VAN DYKE BROWN (TBC) IN MATT FINISH (30% +/- 5%)

GLASS/GLAZING - GLAZING BY CWL TO BE 14mm/16 mm DGU WITH SNAP ON BEAD COMPRISING: (14mm GL4 GLAZING SPECIFICATION FOR C.O.P. ON DRAWING S2)

GL1 - 16mm CLEAR ANNEALED

4mm GUARDIAN EXTRA CLEAR ANNEALED OUTER
8mm KRYPTON FILLED CAVITY WITH BLACK SPACER
4mm GUARDIAN CLIMAGUARD A 1.1 SOFT COAT LOW-E ANNEALED INNER

GL2 - 16mm CLEAR TOUGHENED

4mm GUARDIAN EXTRA CLEAR TOUGHENED OUTER
8mm KRYPTON FILLED CAVITY WITH BLACK SPACER
4mm GUARDIAN CLIMAGUARD A 1.1 SOFT COAT LOW-E TOUGHENED INNER

GL3 - 16mm OBSCURE ANNEALED

4mm STIPPOLYTE TEXTURED OBSCURE ANNEALED OUTER
8mm KRYPTON FILLED CAVITY WITH BLACK SPACER
4mm GUARDIAN CLIMAGUARD A 1.1 SOFT COAT LOW-E ANNEALED INNER

GL5 - 16mm OBSCURE TOUGHENED

4mm STIPPOLYTE TEXTURED OBSCURE TOUGHENED OUTER
8mm KRYPTON FILLED CAVITY WITH BLACK SPACER
4mm GUARDIAN CLIMAGUARD A 1.1 SOFT COAT LOW-E TOUGHENED INNER

DOUBLE GLAZED UNITS TO HAVE A MAXIMUM CENTRE PANE "U" VALUE OF 1.2 W/m²/K COMPLIANT WITH APPROVED DOCUMENT PART L.

NOTE: FOR CURVED ON PLAN GLAZING GL4 - SEE DRAWING S2

FITTINGS - OUTWARD OPENING SIDE HUNG WINDOWS
WELD ON NON-PROJECTING HINGES
SWF B195 'CLASSIC' NON-LOCKING HANDLE IN RTD (DARK BRONZE) FINISH (NATURAL BRASS FINISH STRIKE PLATE)
A SWF 'B375' PEG STAY IN RTD (DARK BRONZE) FINISH

OUTWARD OPENING SIDE HUNG WINDOWS - EST ITEM 4, 6, 1, 13A, 13B, 13C
WELD ON SELF ALIGNING STANDARD DUTY HINGES
SWF B195 'CLASSIC' NON-LOCKING HANDLE IN RTD (DARK BRONZE) FINISH (NATURAL BRASS FINISH STRIKE PLATE)
A SWF 'B375' PEG STAY IN RTD (DARK BRONZE) FINISH

OUTWARD OPENING TOP HUNG WINDOWS
WELD ON NON-PROJECTING HINGES
A SWF 'B375' PEG STAY IN RTD (DARK BRONZE) FINISH

OUTWARD OPENING TOP HUNG WINDOWS (EST. ITEM 14)
WELD ON NON-PROJECTING HINGES
A SWF 'B995' FOLDING OPENER INCORPORATING A RING-EYE, ALL IN RTD (DARK BRONZE)

HORIZONTAL PIVOT WINDOWS BULLSEYE WINDOWS (EST. ITEM 7 & 8)
FRICTION CUPS
SWF B36 'CLASSIC' SPRING CATCH WITH RING PULL AT HEAD IN RTD (DARK BRONZE)
(SEE DRAWING S2 FOR SOLID BEAD GLAZE IN DETAIL FOR BULLSEYE WINDOWS)

OUTWARD OPENING SINGLE DOORS
WELD ON SELF ALIGNING HEAVY DUTY HINGES
CONCEALED FRICTION TOP ARM IN SILVER FINISH AT HEAD
ALPRO 300mm 97-326 SSS CRANCKED BACK TO BACK PULL HANDLES
DEADBOLT WITH SWF B851 ESCUTCHEONS IN RTD FINISH
THUMBTURNS TOP AND BOTTOM
SWF 150mm B85F150 CRANCKED FACEBOLT AT HEAD AND CILL

OUTWARD OPENING DOUBLE DOORS
WELD ON SELF ALIGNING HEAVY DUTY HINGES
CONCEALED FRICTION TOP ARM IN SILVER FINISH AT HEAD TO BOTH LEAVES
ALPRO 300mm 97-326 SSS CRANCKED BACK TO BACK PULL HANDLES
DEADBOLT WITH SWF B851 ESCUTCHEONS IN RTD FINISH
THUMBTURNS TOP AND BOTTOM
150mm CONCEALED BOLTS AT HEAD AND CILL
SWF 150mm B85F300 CRANCKED FACEBOLT AT HEAD AND CILL

FIXINGS - BY CRITTALL WINDOWS LIMITED
WIND LOAD - 1200 N/m²
800 N/m² TO ESTIMATE ITEMS 13, 13A & 13B - DUE TO GLAZING BAR LENGTH

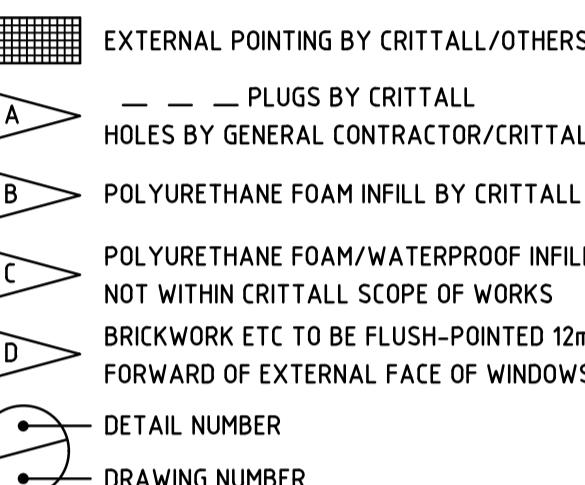
POINTING & COLOUR - ARBOSIL 1096 BY CRITTALL WINDOWS LIMITED - OR
ARBOSIL XL1099 WITH 2650 PRIMER TO STONWORK
COLOUR TO BE CONFIRMED BY CLIENT

SEE DRG S2 FOR BULLSEYE SOLID BEAD GLAZE IN DETAIL AND FOR GLAZING BAR WITH FENESTRA GLAZE IN DETAIL

CRITTALL WINDOWS Ltd TO:
SURVEY, MANUFACTURE, DELIVER, FIX & GLAZE
REMOVE EXISTING WINDOWS & DOORS
(DISPOSAL & SKIPS BY OTHERS)

SPECIFICATION:

ISSUED FOR APPROVAL
* DETAILER'S SIGNATURE AUTHORISES RELEASE FOR PRODUCTION/INSTALLATION



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REVISION	REVISION TO ESTIMATE	BY	DATE
1	EST ITEM 7 & 8 NOW HP (NOT HP)	HS	NOV 23
2	GL5 OBSCURE TOUGHENED ADDED	HS	15.12.23
P03	GL5 OBSCURE TOUGHENED ADDED	HS	15.12.23
P02	SELF ALIGNING HINGES TO 4 6 13 A B C SH	HS	11.12.23
P01	1ST ISSUE FOR APPROVAL	HS	08.12.23
REVISION	REVISION TO DRAWING	BY	DATE



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TITLE MIDDLESEX SUITE,
LONDON BOROUGH OF HILLINGDON, CIVIC CENTRE,
HIGH STREET, UXBRIDGE, UB8 1UW

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ARCHITECT ALLEN CONSTRUCTION CONSULTANCY,
6TH FLOOR EQUIPOINT, 1506-1508 COVENTRY ROAD,
SWAN YARDLEY, BIRMINGHAM, B25 8AD

DRAWN HSIMPSON DATE NOVEMBER 2023

CHECKED SCALE AT A1 NTS

DRAWING NUMBER SHEET NUMBER ITEMS

9823G2B	S1	P03
REVISION NUMBER		
DDO ISSUE NUMBER		
DETAILED BY	DATE	DIST
FINISH		