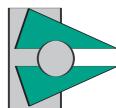


SPECIFICATION



AMS

Architectural
& Metal Systems



Ground Floor Treatments

AMS offers a non-thermally broken Ground Floor Treatments System comprising of a wide range of framing solutions for all types of commercial entrances and screens. Flush glaze screen profiles are designed for use in Ground Floor applications such as retail units in moderately exposed locations.

Introduction

The system can accommodate both single and double glazed applications of 6-12 mm and 20-24 mm thickness respectively. Framing sections are all 45mm wide and 100mm deep in box sections. The system consists of both flush glaze, box and bead.

Thermal Performance

The system is a non-thermally broken commercial screen solution.

Scope

This specification defines materials, fabrication, paint finishes, and size limitations for Ground Floor Treatments.

Materials

Aluminium profiles are extruded from aluminium alloy 6063 T5 and T6 complying with BS1474 – BS EN 12020-2:2001 / BS EN 755-9:2001.

Paint Finishes

Polyester Powder Coatings

Aluminium profiles are single colour polyester powder coated to BS6496.

AMS offers in house painting with the following paint suppliers :

- Azko Nobel Interpon D
- Du Pont Alesta
- Beckers Powder

Decoral

Aluminium profiles can be polyester powder coated with a woodgrain effect paint finish to BS6496.

Anodised

Aluminium profiles can be anodised to BS1615 or BS3987.

SPECIFICATION



Architectural
& Metal Systems

Fabrication

Vertical mullions and transoms shall be fixed by driving A2 grade screws into preformed screw ports. Loads shall be transmitted from transom to mullion to supporting structure by correctly designed fixing brackets to primary structure. Installation of fixed light units or insulated panels shall be shuffle glazed into glazing pockets. All frame joints shall be sealed during construction against entry of water using a suitable small gap sealant and silicone where required.

Glazing

Glass shall be set against extruded EPDM gaskets both internally and externally. Extruded aluminium glazing beads shall be fitted externally. Glazing shall be to BS 6262 and Building Regulations Document N.

Installation

AMS offer detailed installation instructions on all systems and these should be followed as per AMS's technical department's recommendations.

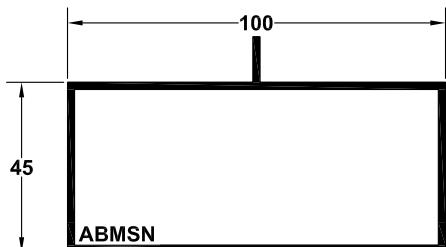
Structure

Section performance requirements must be calculated from site conditions and all loading requirements. All structural profiles shall be designed so as the maximum deflection of any member shall not exceed L/175 of its span and there shall be no evidence of any permanent deformation once the load has been removed.

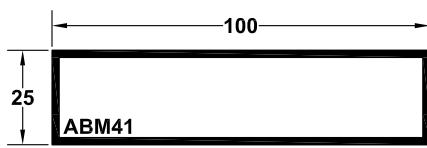
BOX & BEAD SYSTEM

Profile Listing - box section

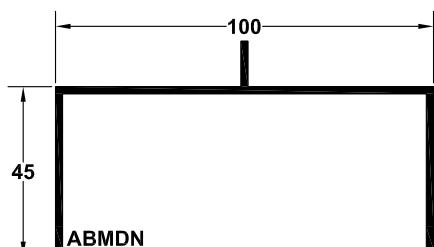
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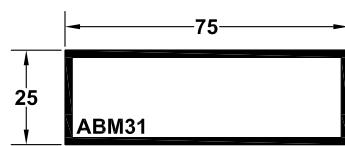
100 X 45 SINGLE NIB



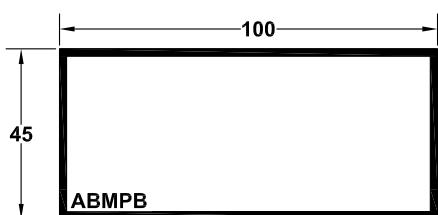
100 X 25 PLAIN BOX



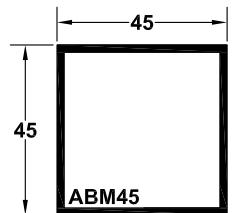
100 X 45 DOUBLE NIB



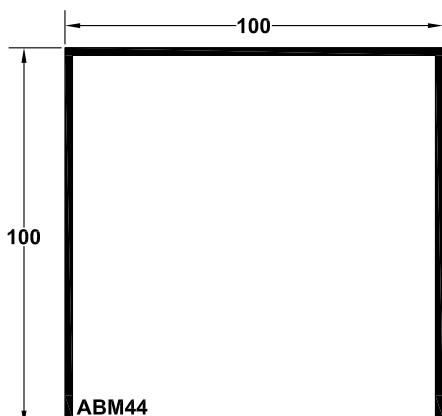
75 X 25 PLAIN BOX



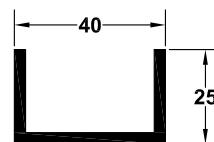
100 X 45 PLAIN BOX



45 SQUARE BOX



100 X 100 PLAIN BOX



BOX CLEAT
ABC



1/2" BOX BEAD
ABMB

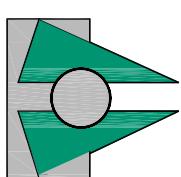


1/2" ANGLE
SA12



Bead Studs
ABB

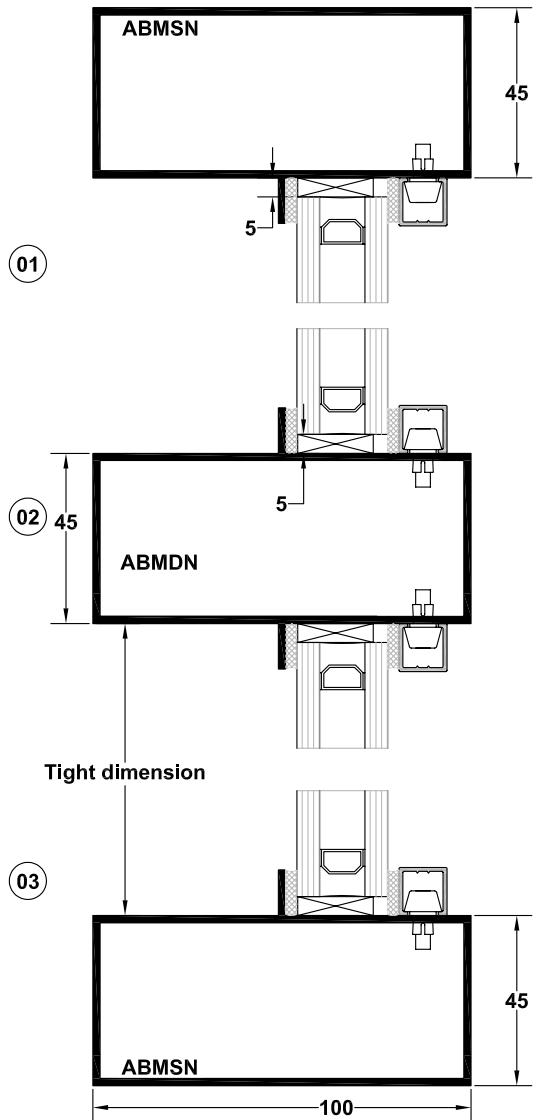
DST
Double sided
tape



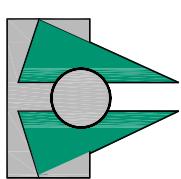
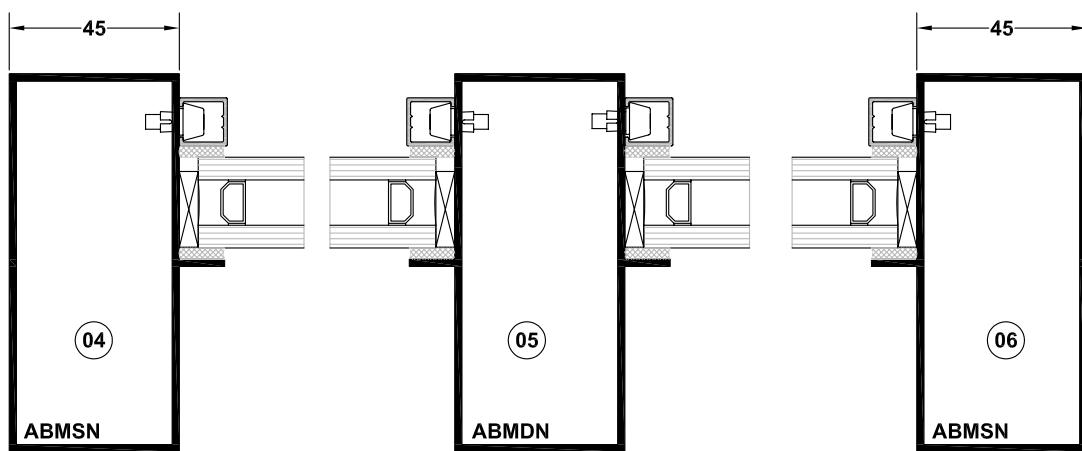
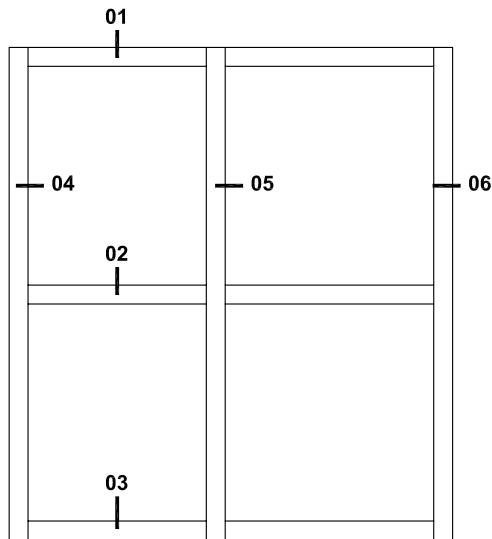
BOX & BEAD SYSTEM

Details - Double Glazing

Scale 1:2



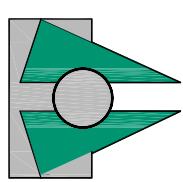
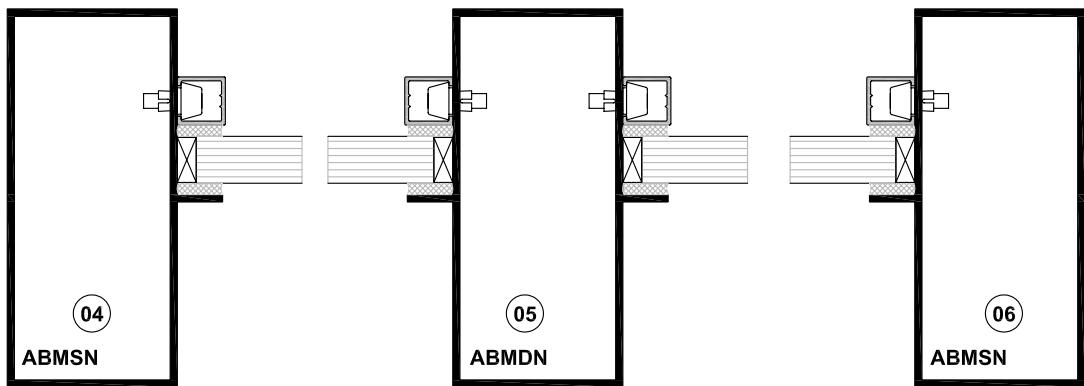
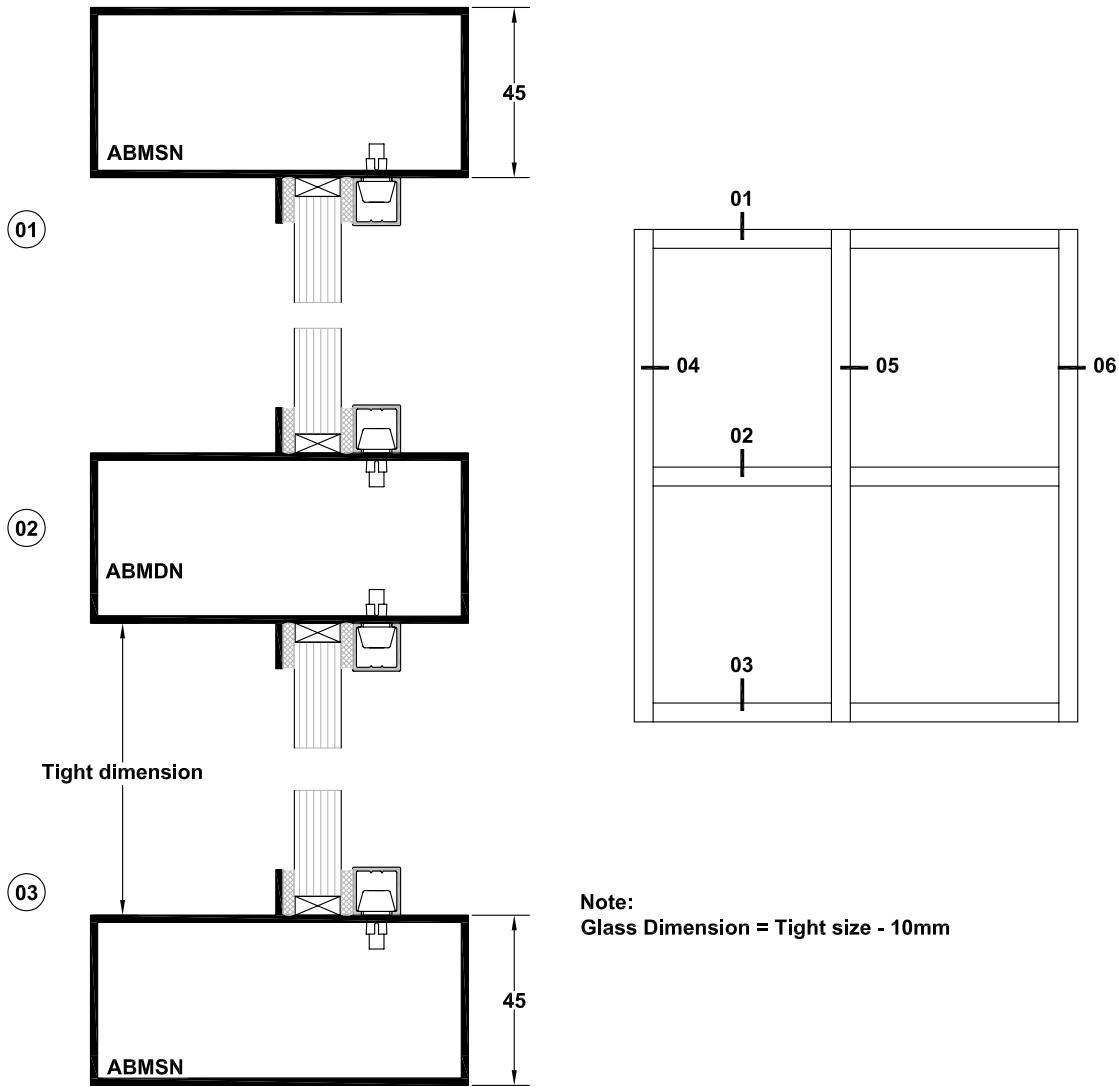
Note:
Glass Dimension = Tight size - 10mm



BOX & BEAD SYSTEM

Details - Single Glazing

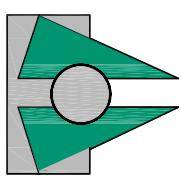
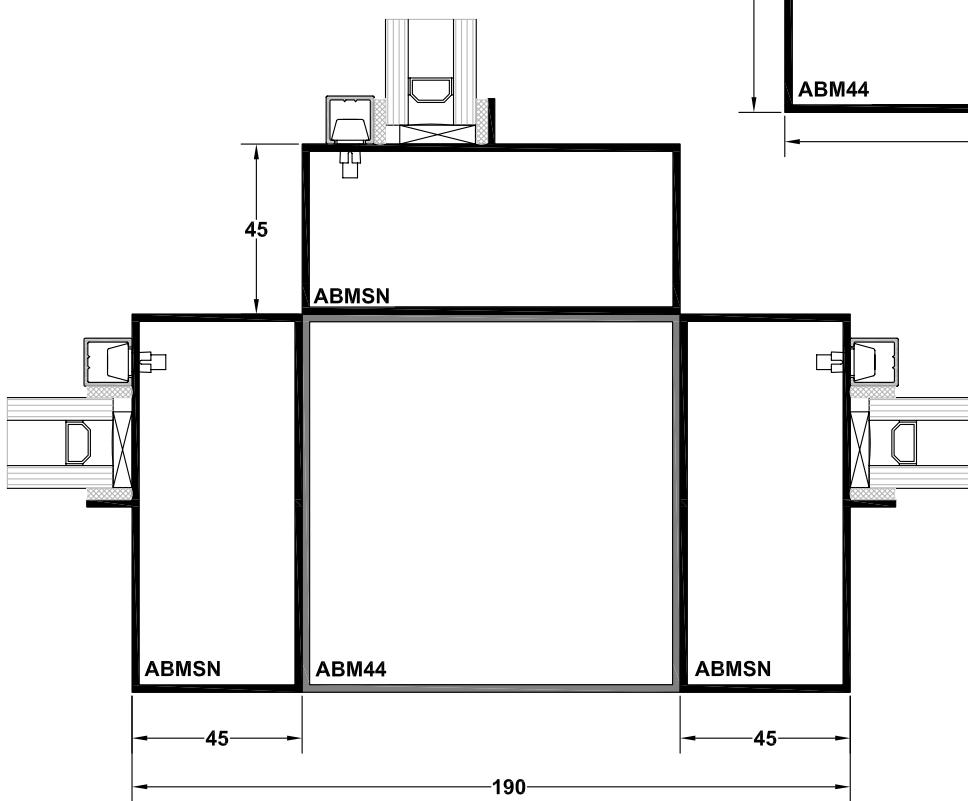
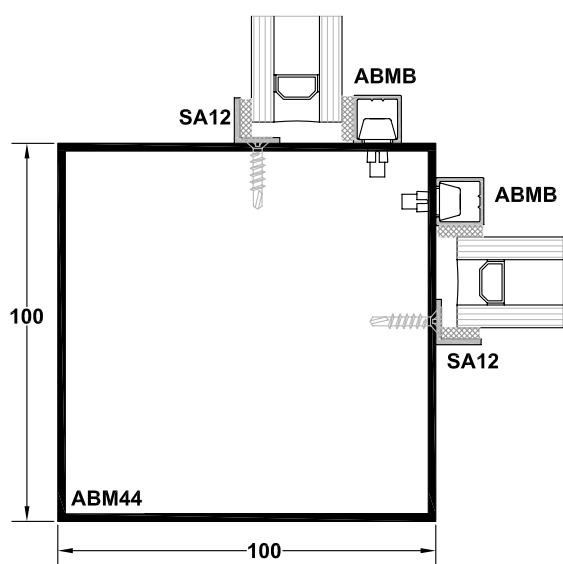
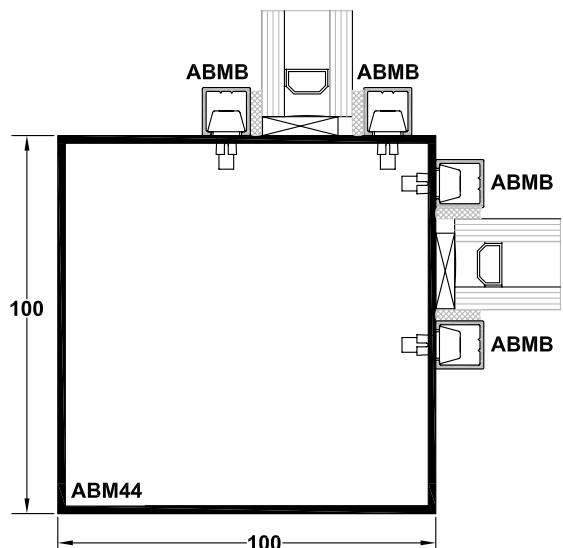
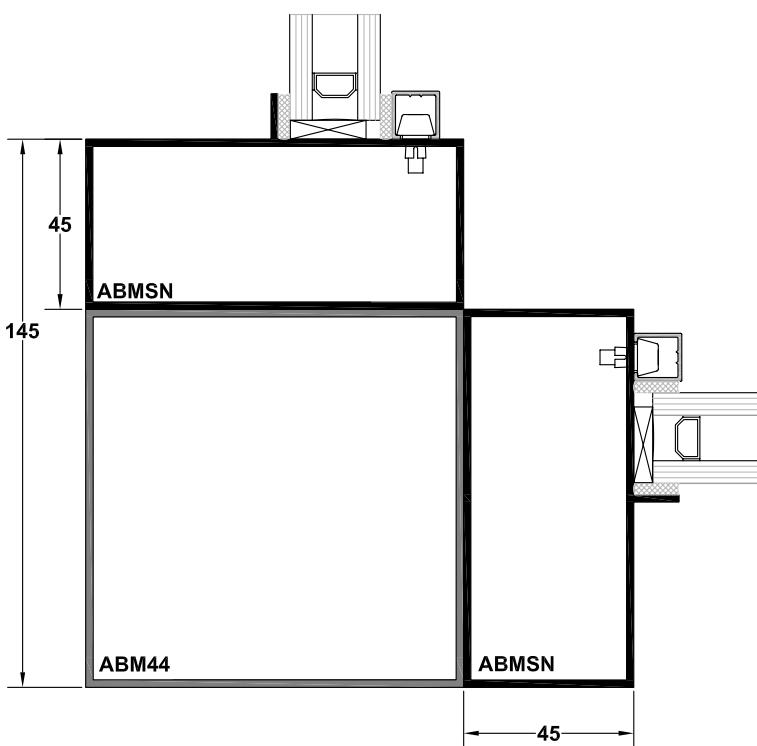
Scale 1:2



BOX & BEAD SYSTEM

Corner details

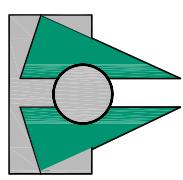
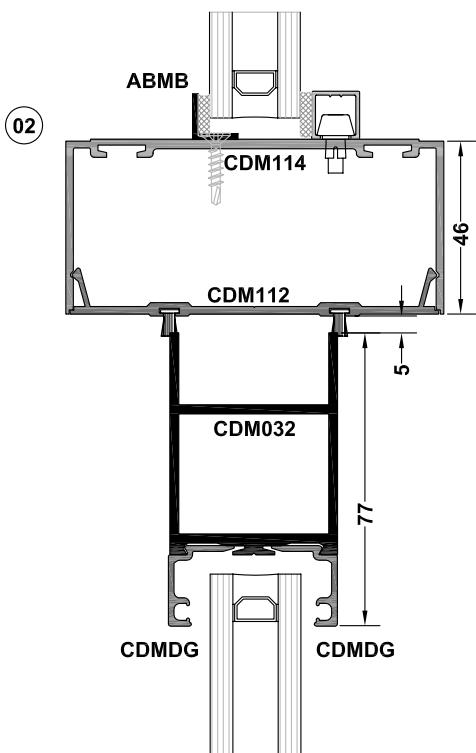
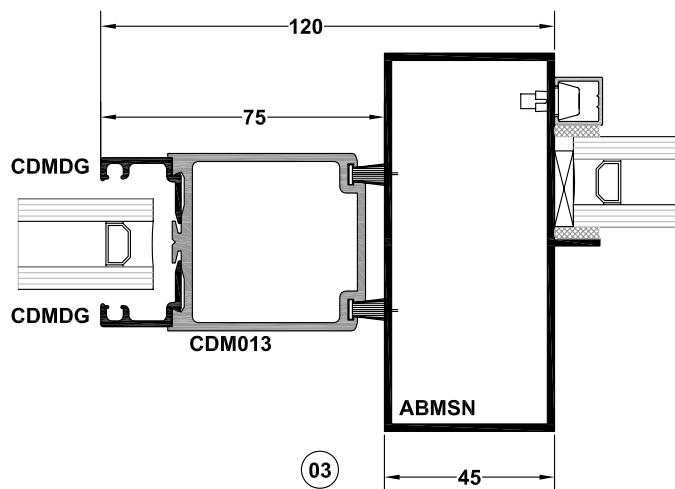
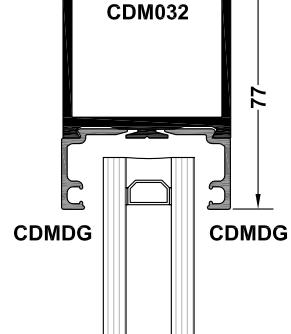
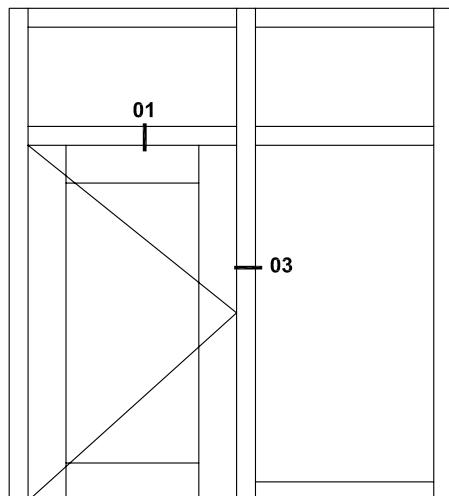
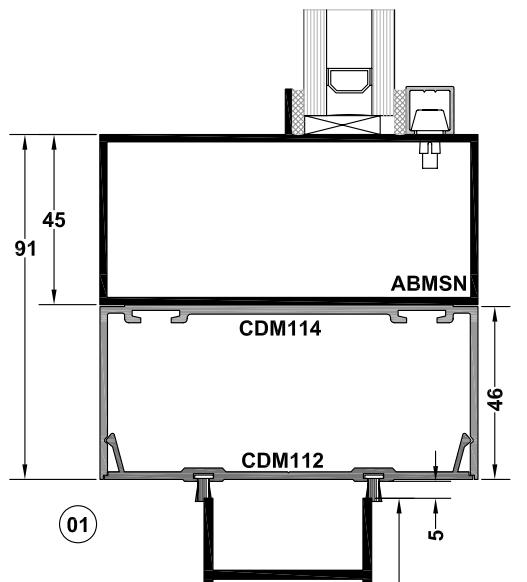
Scale 1:2



BOX & BEAD SYSTEM

Door interface details

Scale 1:2



BOX & BEAD SYSTEM

Automatic door details

Scale NTS

