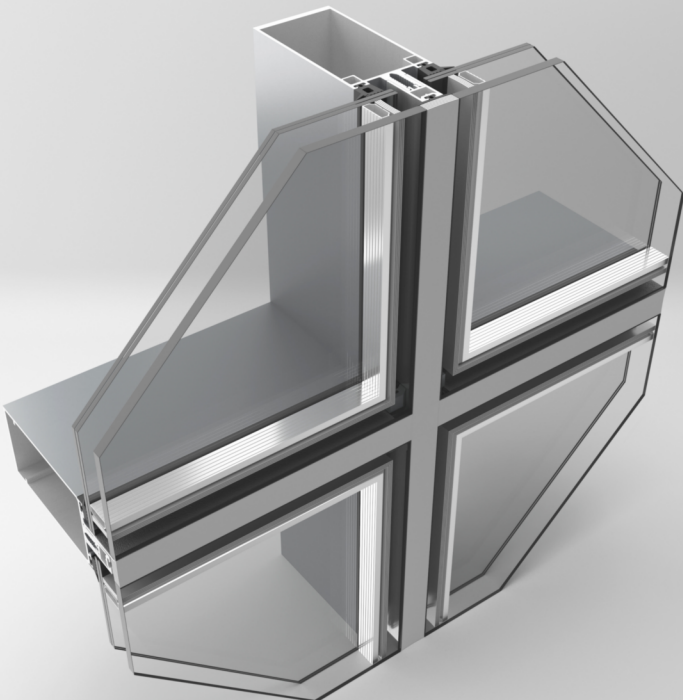


A ALTEST[®]

ALUMINIUM PROFILES SYSTEMS

CW50

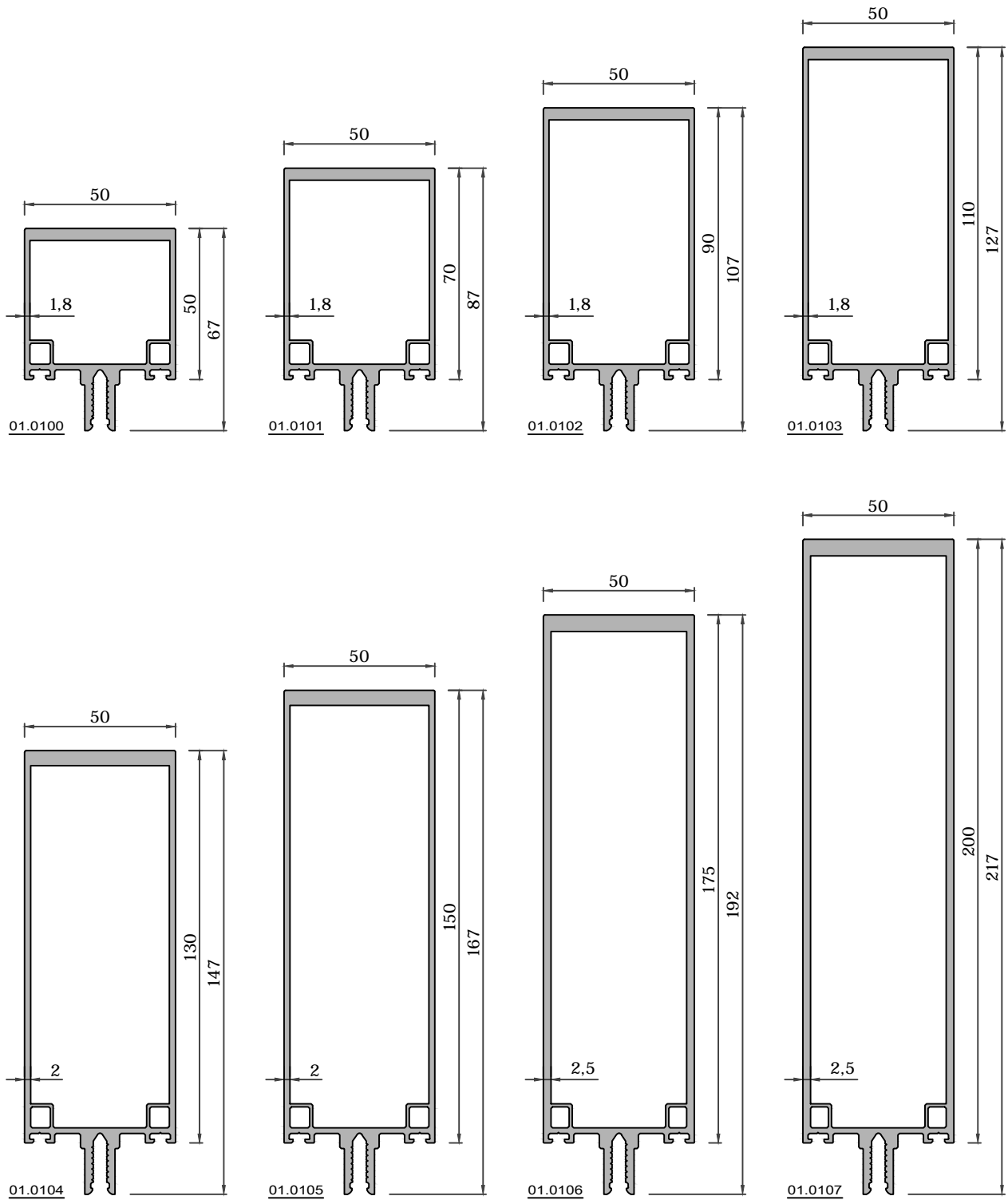


CW 50
FACADE SYSTEM

PROFILES

PROFILES

/MULLION PROFILES/



CODE	WEIGHT
01.0100	1,675 kg/m
01.0101	1,870 kg/m
01.0102	2,065 kg/m
01.0103	2,260 kg/m
01.0104	2,710 kg/m
01.0105	2,927 kg/m
01.0106	3,703 kg/m
01.0107	4,042 kg/m

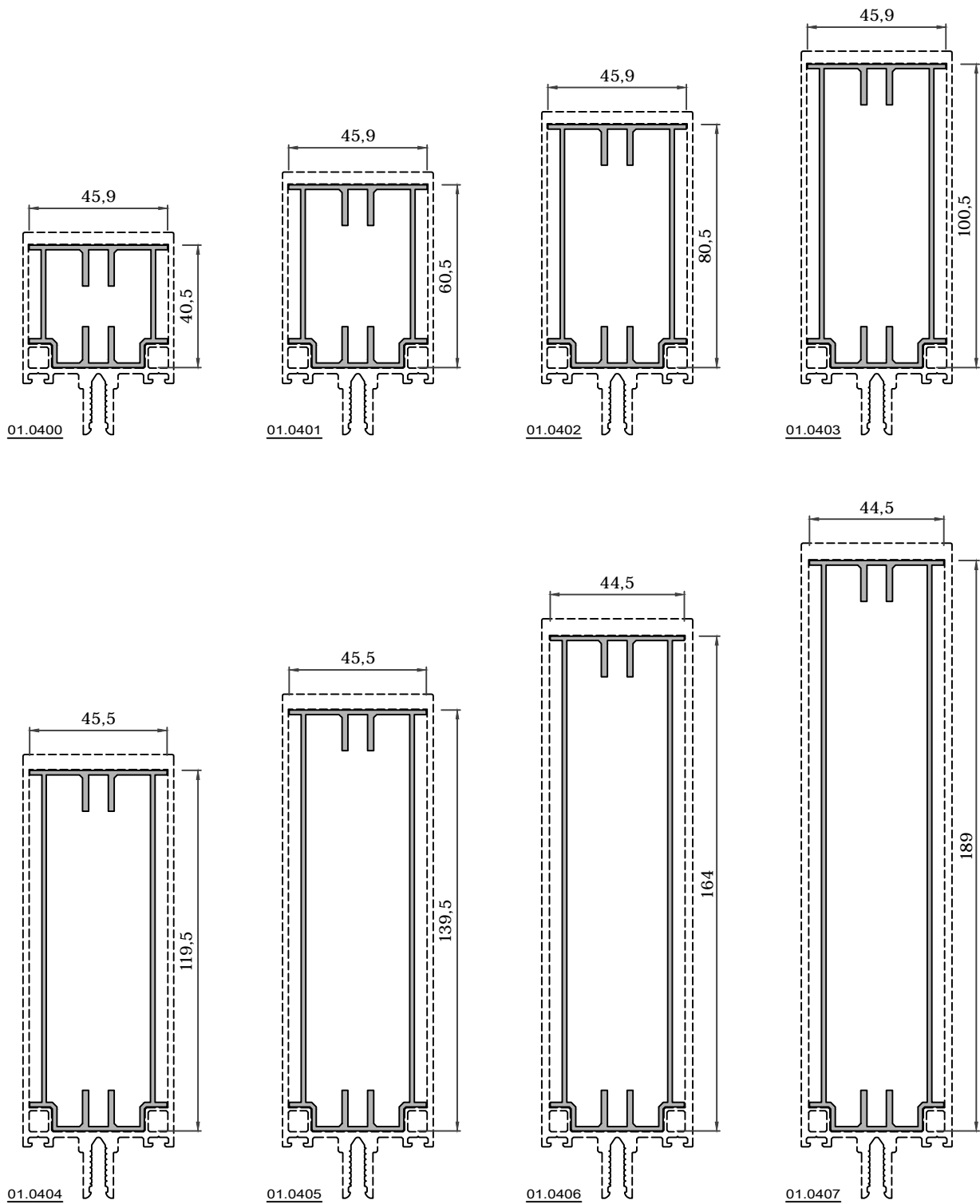
CODE	LENGTH	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	U cm
01.0100	6,5 M	29,81	16,93	7,69	6,77	31,13
	4,0 M	29,81	16,93	7,69	6,77	31,13
01.0101	6,5 M	61,43	21,12	12,77	8,45	35,13
	4,0 M	61,43	21,12	12,77	8,45	35,13
01.0102	6,5 M	106,81	25,30	18,54	10,12	39,13
	4,0 M	106,81	25,30	18,54	10,12	39,13
01.0103	6,5 M	167,39	29,48	24,92	11,79	43,13
	4,0 M	167,39	29,48	24,92	11,79	43,13
01.0104	6,5 M	269,35	37,04	33,61	14,82	47,13
	4,0 M	269,35	37,04	33,61	14,82	47,13
01.0105	6,5 M	374,58	41,65	41,58	16,66	51,13
	4,0 M	374,58	41,65	41,58	16,66	51,13
01.0106	6,5 M	589,21	56,28	56,54	22,51	56,13
	4,0 M	589,21	56,28	56,54	22,51	56,13
01.0107	6,5 M	812,75	63,34	69,61	25,34	61,13
	4,0 M	812,75	63,34	69,61	25,34	61,13

M 1:2



PROFILES

/LONGITUDINAL CONNECTORS FOR MULLION PROFILES/



01.0404

01.0405

01.0406

01.0407

CODE	WEIGHT
01.0400	0,938 kg/m
01.0401	1,101 kg/m
01.0402	1,263 kg/m
01.0403	1,426 kg/m
01.0404	1,577 kg/m
01.0405	1,740 kg/m
01.0406	1,931 kg/m
01.0407	2,134 kg/m

CODE	LENGTH	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
01.0400	6,0 M	7,69	6,00	3,69	2,61
01.0401	6,0 M	20,93	7,99	6,79	3,48
01.0402	6,0 M	42,30	9,98	10,37	4,35
01.0403	6,0 M	73,00	11,96	14,38	5,21
01.0404	6,0 M	111,52	13,56	18,51	5,96
01.0405	6,0 M	163,70	15,50	23,31	6,81
01.0406	6,0 M	243,45	16,92	29,53	7,60
01.0407	6,0 M	348,18	19,21	36,68	8,64

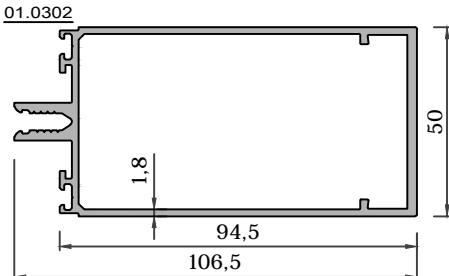
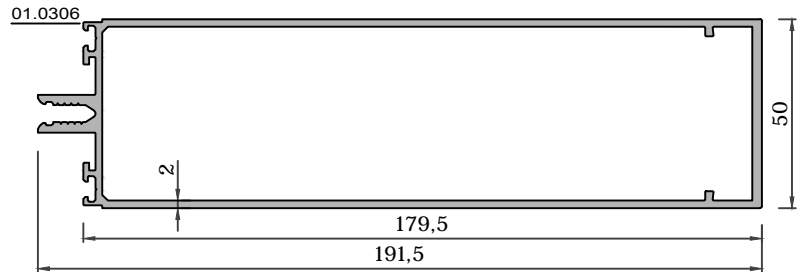
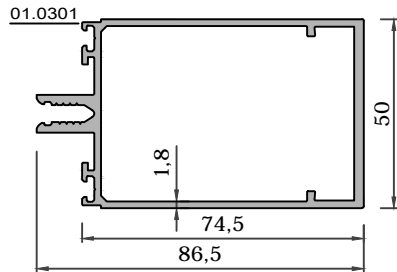
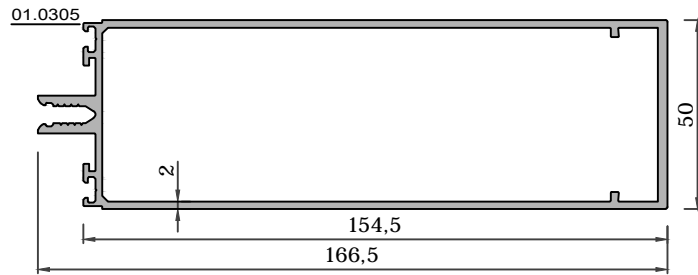
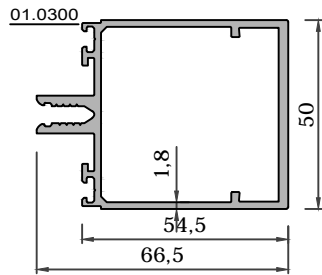
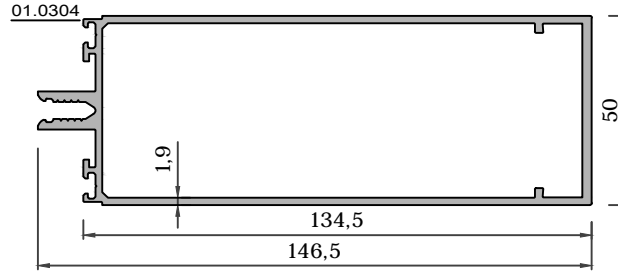
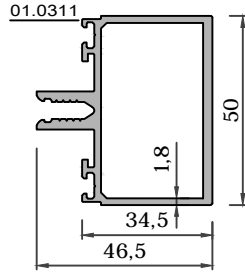
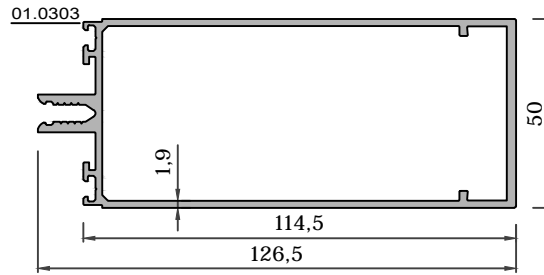
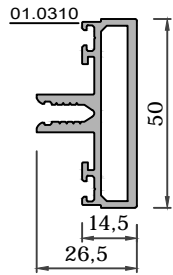
M 1:2



2

PROFILES

/TRANSOM PROFILES/



CODE	WEIGHT
01.0310	0,945 kg/m
01.0311	1,140 kg/m
01.0300	1,377 kg/m
01.0301	1,572 kg/m
01.0302	1,767 kg/m
01.0303	2,014 kg/m
01.0304	2,220 kg/m
01.0305	2,499 kg/m
01.0306	2,770 kg/m
01.0307	3,041 kg/m

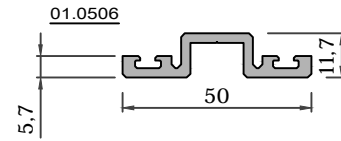
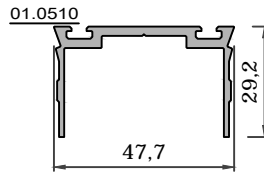
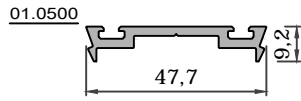
CODE	LENGTH	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	U cm
01.0310	6,0 M	6,94	1,70	2,77	0,96	22,62
01.0311	6,0 M	11,12	9,43	4,45	3,57	26,62
01.0300	6,0 M	16,06	26,02	6,43	7,21	30,62
01.0301	6,0 M	20,25	52,64	8,10	11,54	34,62
01.0302	6,0 M	24,43	90,84	9,77	16,44	38,62
01.0303	6,0 M	29,63	143,49	11,85	22,09	42,62
01.0304	6,0 M	34,03	210,29	13,61	28,14	46,62
01.0305	6,0 M	39,85	297,52	15,94	35,20	50,62
01.0306	6,0 M	45,62	429,55	18,25	44,35	55,62
01.0307	6,0 M	51,38	593,50	20,55	54,36	60,62

M 1:2

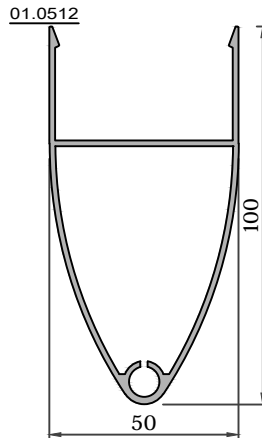
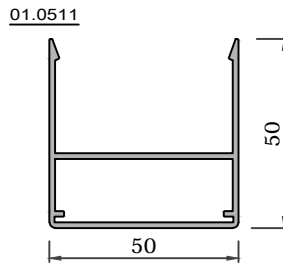
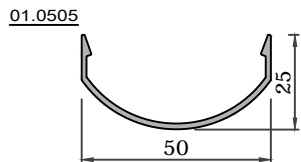
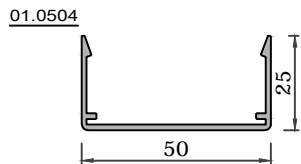
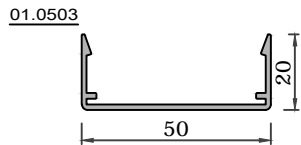
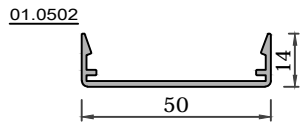
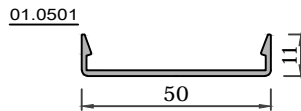


PROFILES

/PRESSURE PLATES/ ALUMINIUM PROFILES

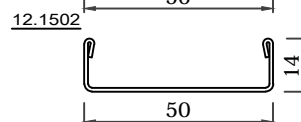
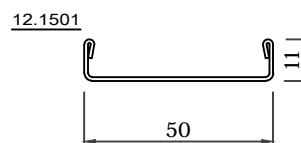
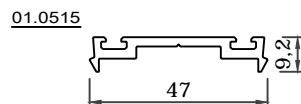


/COVER CAPS/ ALUMINIUM PROFILES



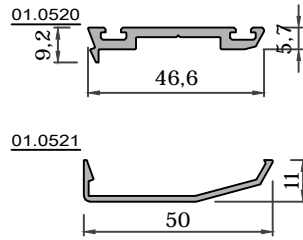
CODE	WEIGHT
01.0500	0.443 kg/m
01.0501	0.280 kg/m
01.0502	0.322 kg/m
01.0503	0.364 kg/m
01.0504	0.399 kg/m
01.0505	0.326 kg/m
01.0506	0.587 kg/m
01.0510	0.616 kg/m
01.0511	0.810 kg/m
01.0512	1.140 kg/m
01.0515	0.431 kg/m

STAINLESS STEEL PROFILES



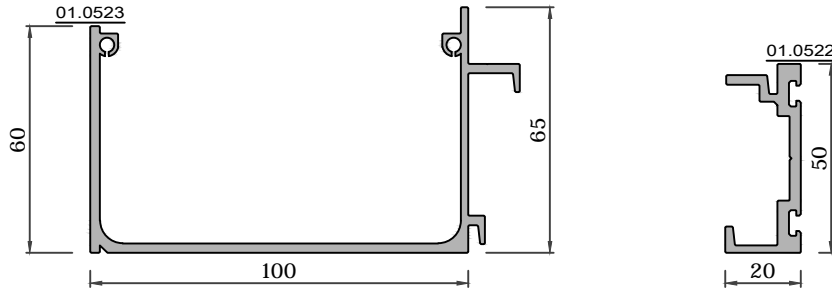
PROFILES

PRESSURE PLATES FOR INCLINED PLANES



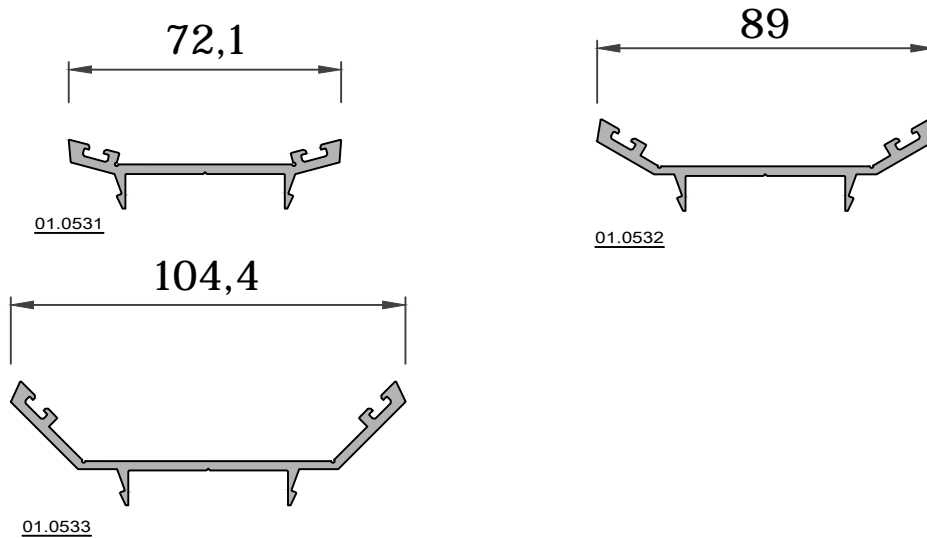
CODE	WEIGHT
01.0520	0.405 kg/m
01.0521	0.256 kg/m

RAINWATER PIPES FOR INCLINED PLANES



CODE	WEIGHT
01.0522	0.767 kg/m
01.0523	1.683 kg/m

PRESSURE PLATES FOR POLYGONAL SURFACES



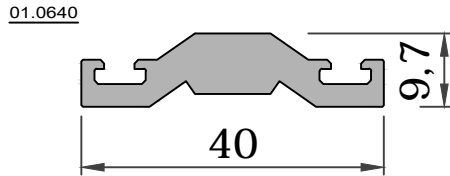
CODE	WEIGHT
01.0531	0.702 kg/m
01.0532	0.835 kg/m
01.0533	0.992kg/m

PROFILES

/PFILES FOR SILICONE GLAZING STRUCTURE OF THE FACADE/

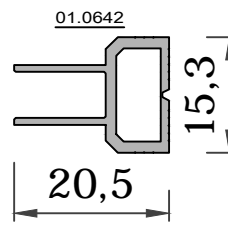
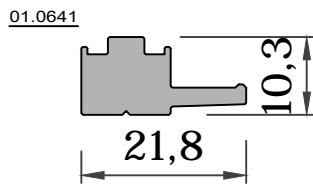
TYPE 1

PRESSURE PROFILE, GLAZING WITH GLAZING SPACER



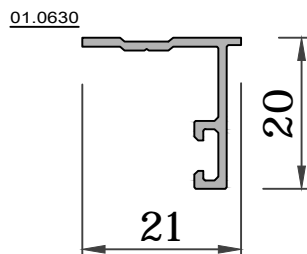
TYPE 2 - PRESSURE PROFILE

PRESSURE PROFILE, GLAZING WITH STRUCTURAL GLAZING SPACER



CODE	WEIGHT
01.0640	0.608 kg/m
01.0641	0.353 kg/m
01.0642	0.203 kg/m

HYDRO-INSULATION PROFILES

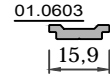
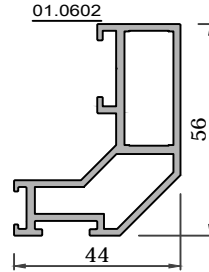
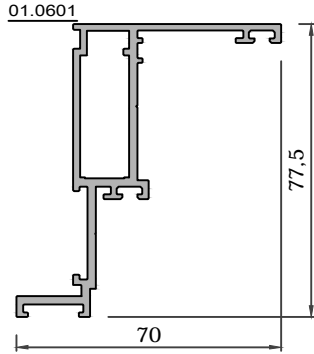


CODE	WEIGHT
01.0630	0.152 kg/m

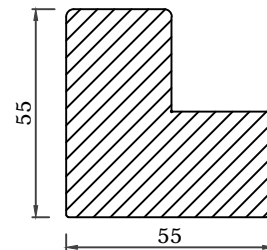
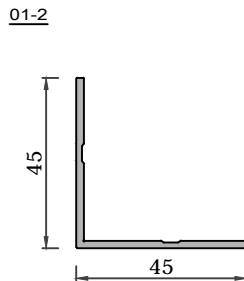
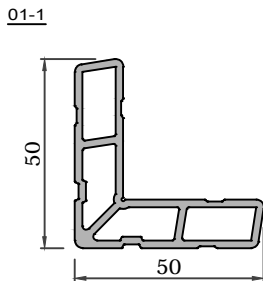
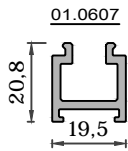
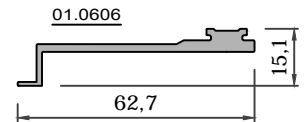
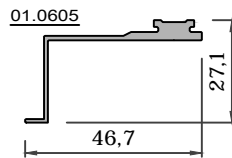
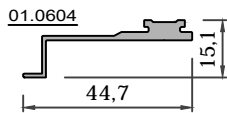
PROFILES

/PROFILES FOR THE OPENING SECTIONS/

OUTWARDS PROJECTING WINDOW PROFILES



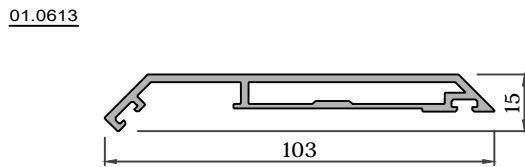
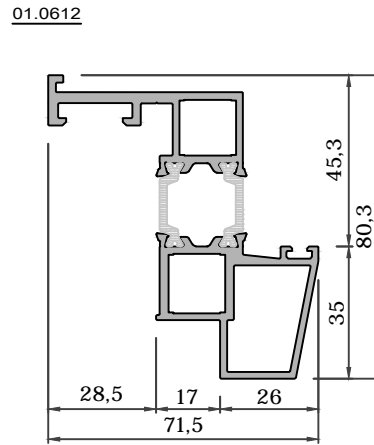
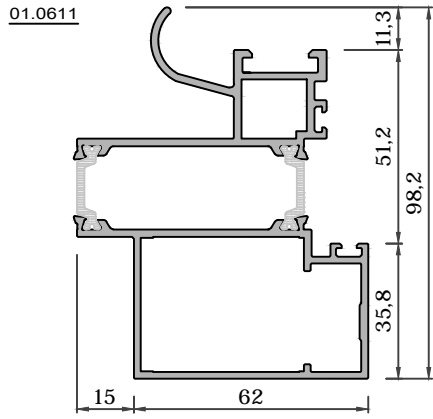
CODE	WEIGHT
01.0601	1.269 kg/m
01.0602	1.118 kg/m
01.0603	0.115 kg/m
01.0604	0.295 kg/m
01.0605	0.334 kg/m
01.0606	0.122 kg/m
01.0607	0.372 kg/m



PROFILES

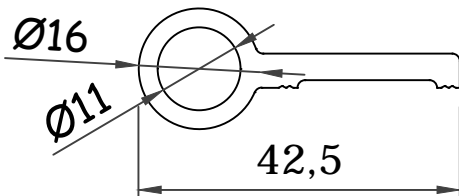
/PROFILES FOR THE OPENING SECTIONS/

DORMER WINDOW PROFILES



CODE	WEIGHT
01.0611	2.251 kg/m
01.0612	1.804 kg/m
01.0613	0.940 kg/m

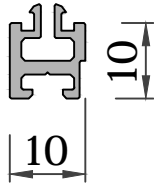
weight of the aluminium without gaskets



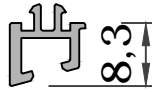
PROFILES

/ADDITIONAL PROFILES/

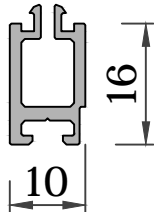
01.0620



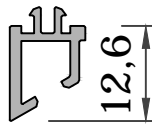
01.0623



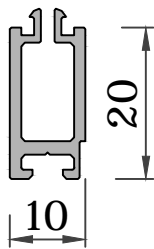
01.0621



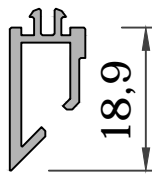
01.0624



01.0622



01.0625

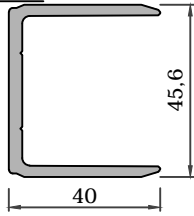


CODE	WEIGHT
01.0620	0.146 kg/m
01.0621	0.198 kg/m
01.0622	0.229 kg/m
01.0623	0.099 kg/m
01.0624	0.126 kg/m
01.0625	0.169 kg/m

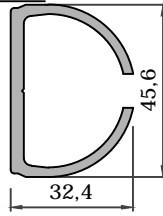
PROFILES

/TRANSOM CONNECTORS/

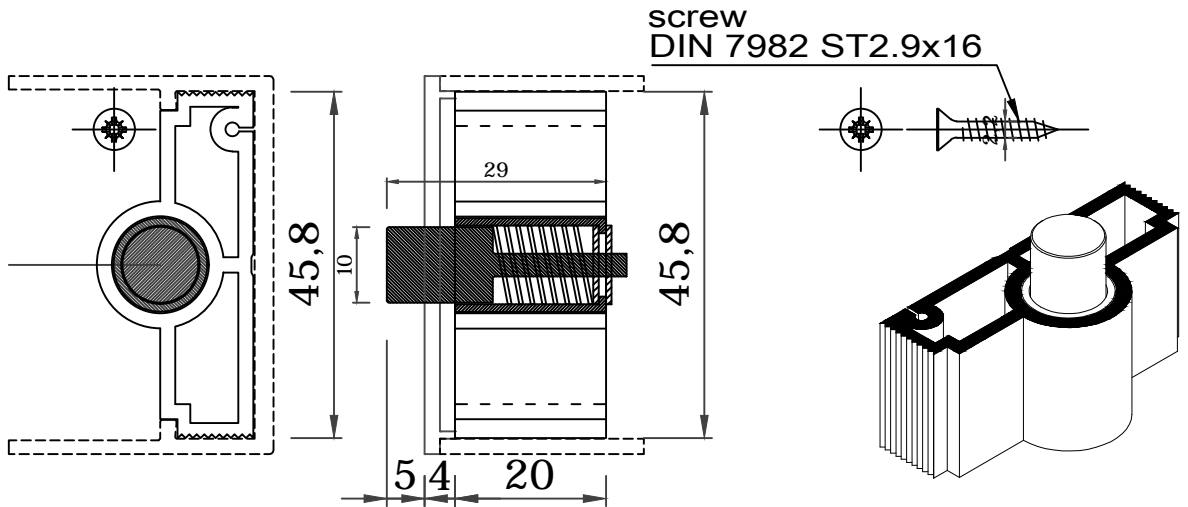
01.0700



01.0701

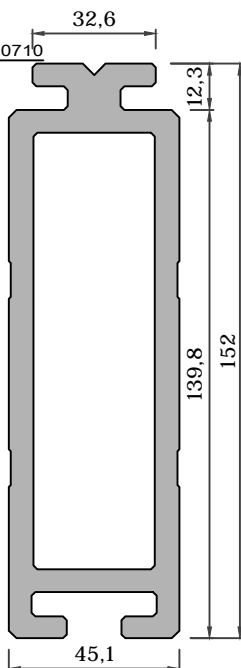


КОД	ТЕГЛО
01.0700	0.973 kg/m
01.0701	0.918 kg/m



/ LONGITUDINAL MULLION CONNECTOR/

01.0710



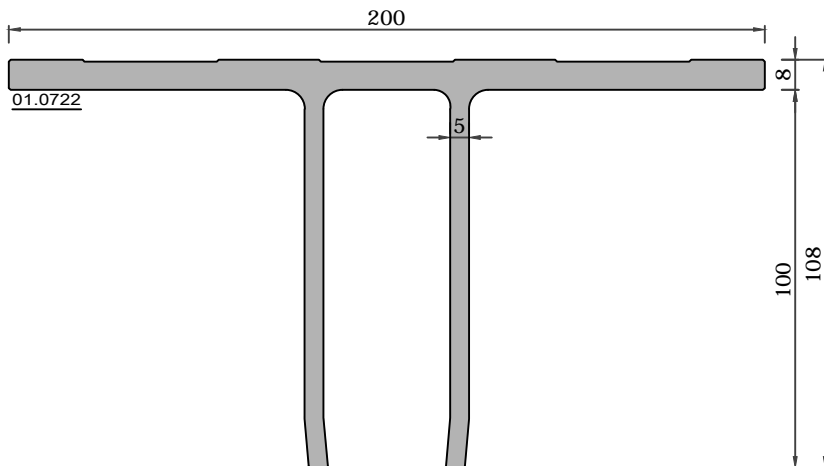
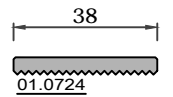
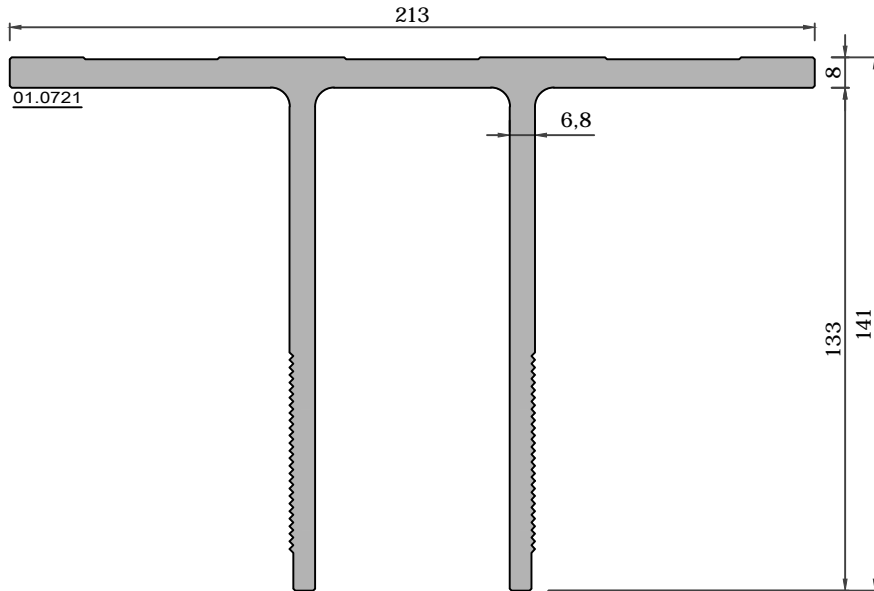
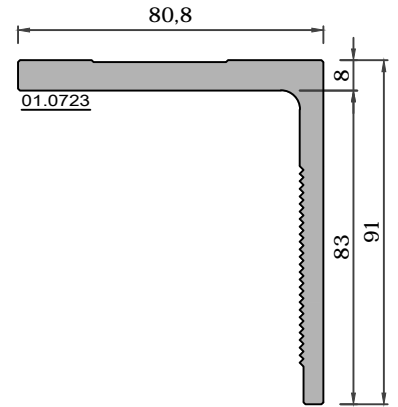
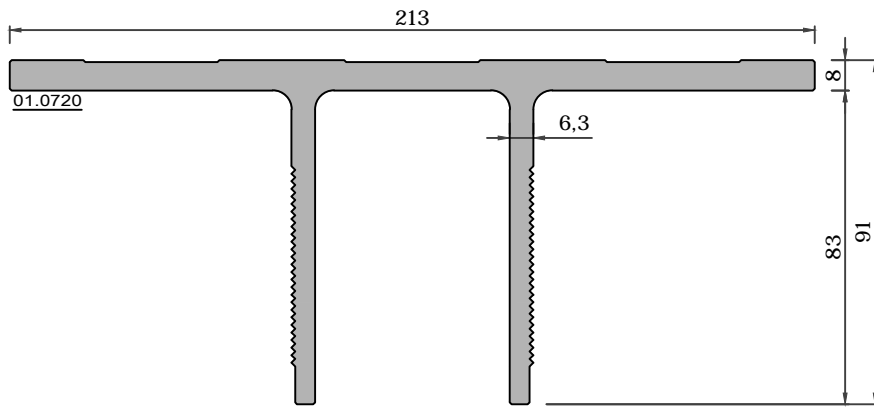
КОД	ТЕГЛО
01.0710	8.899 kg/m

M 1:2

10

PROFILES

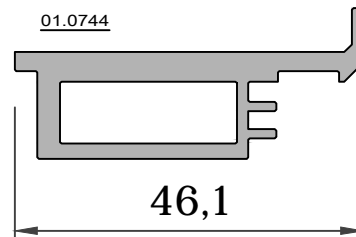
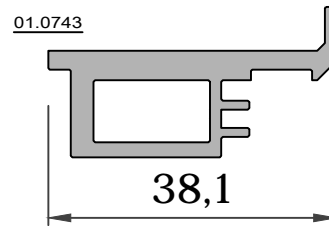
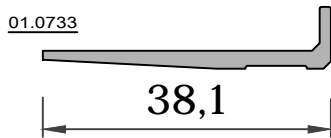
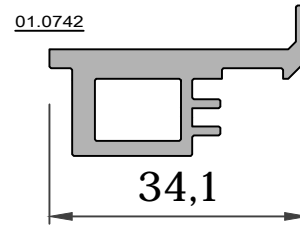
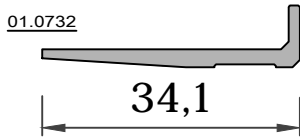
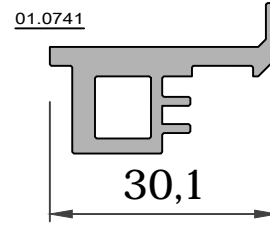
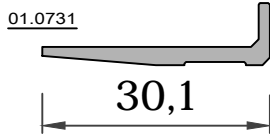
/FIXING BRACKETS PROFILES/



CODE	WEIGHT
01.0720	7.143 kg/m
01.0721	9.197 kg/m
01.0722	6.955 kg/m
01.0723	3.022 kg/m
01.0724	0.411 kg/m

PROFILES

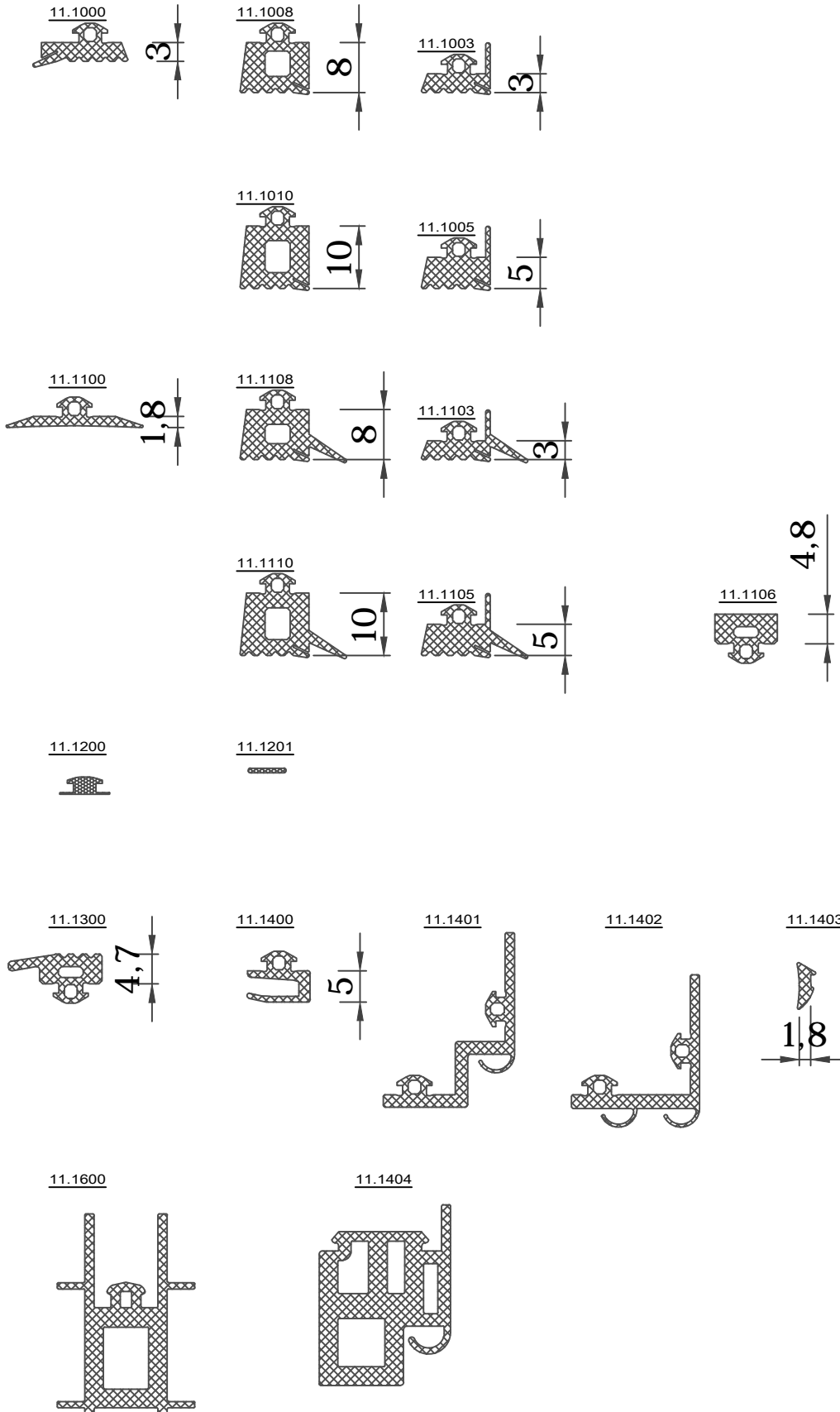
/GLAZING SHIMS/



CODE	WEIGHT
01.0731	0,186 kg/m
01.0732	0,206 kg/m
01.0733	0,225kg/m
01.0741	0,481 kg/m
01.0742	0,545 kg/m
01.0743	0,609 kg/m
01.0744	0,737 kg/m

PROFILES

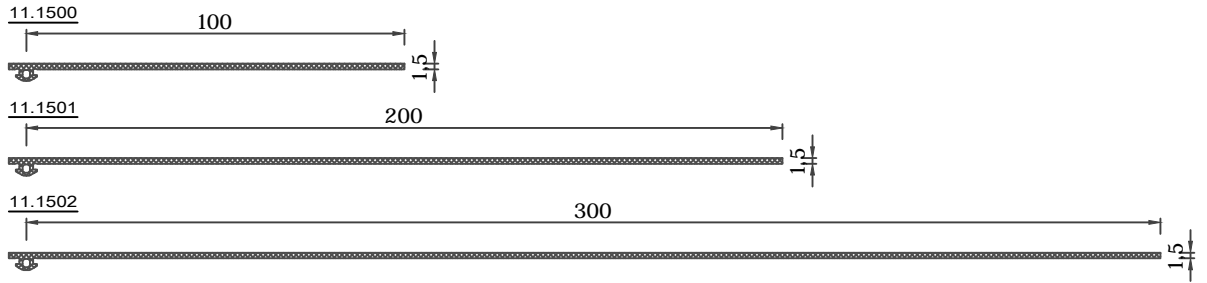
/EPDM GASKETS/



PROFILES

/EPDM GASKETS/

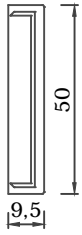
EPDM HYDRO-INSULATION



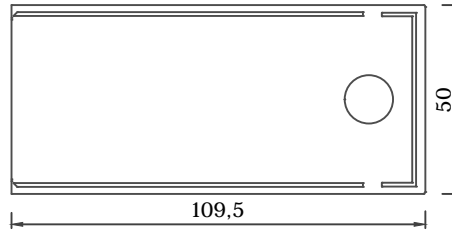
PROFILES

/EPDM MUFFS BETWEEN MULLION AND TRANSOM/

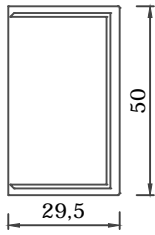
11.1210



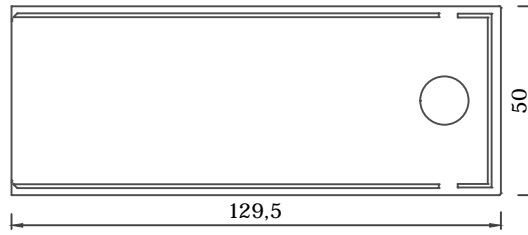
11.1203



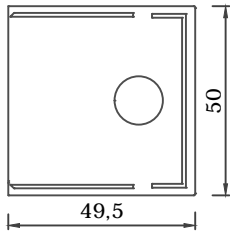
11.1211



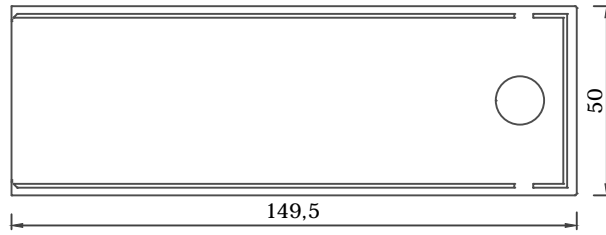
11.1204



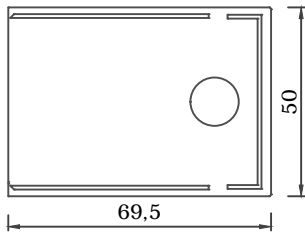
11.1200



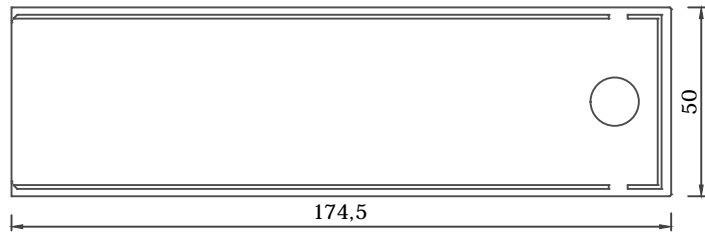
11.1205



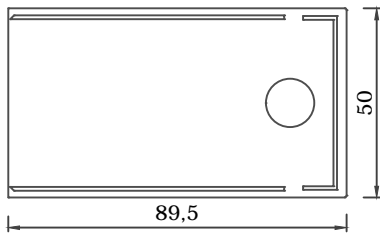
11.1201



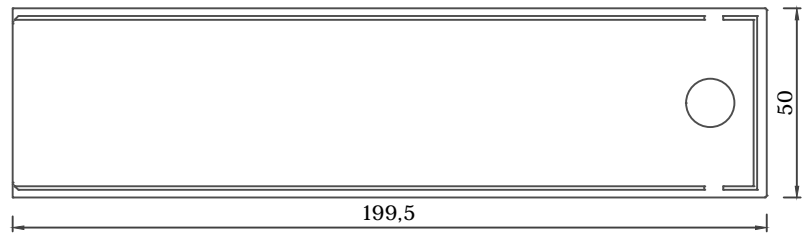
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11.1202



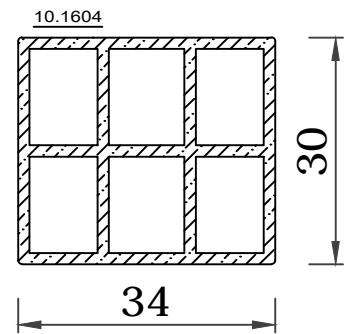
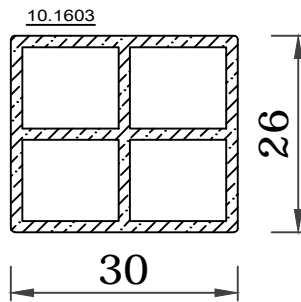
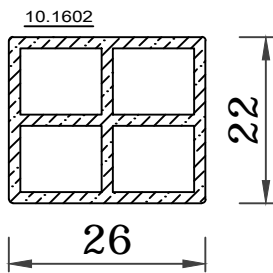
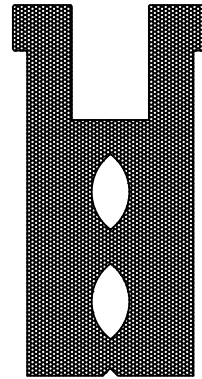
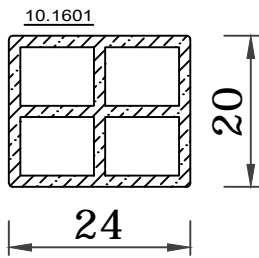
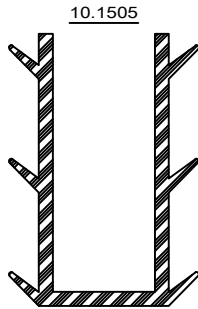
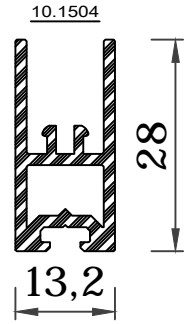
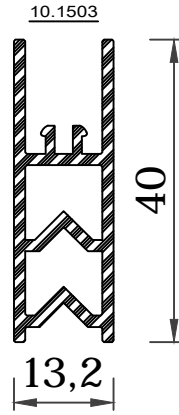
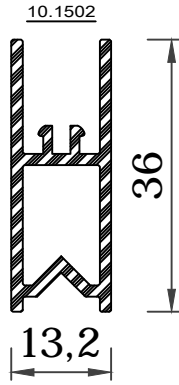
11.1207



PROFILES

/POLYAMIDE PROFILES/

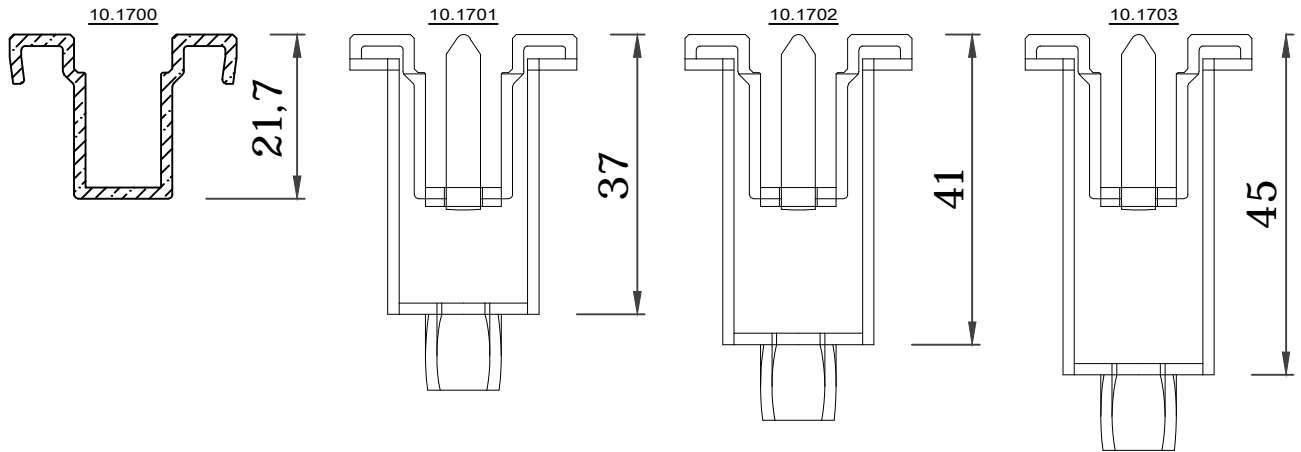
THERMAL INSULATION SPACERS



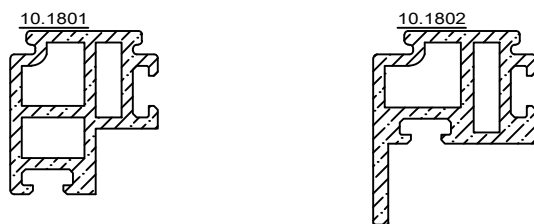
PROFILES

/POLYAMIDE PROFILES/

DRAINAGE PROFILES



THERMAL INSULATION FOR OUTWARDS PROJECTING WINDOW



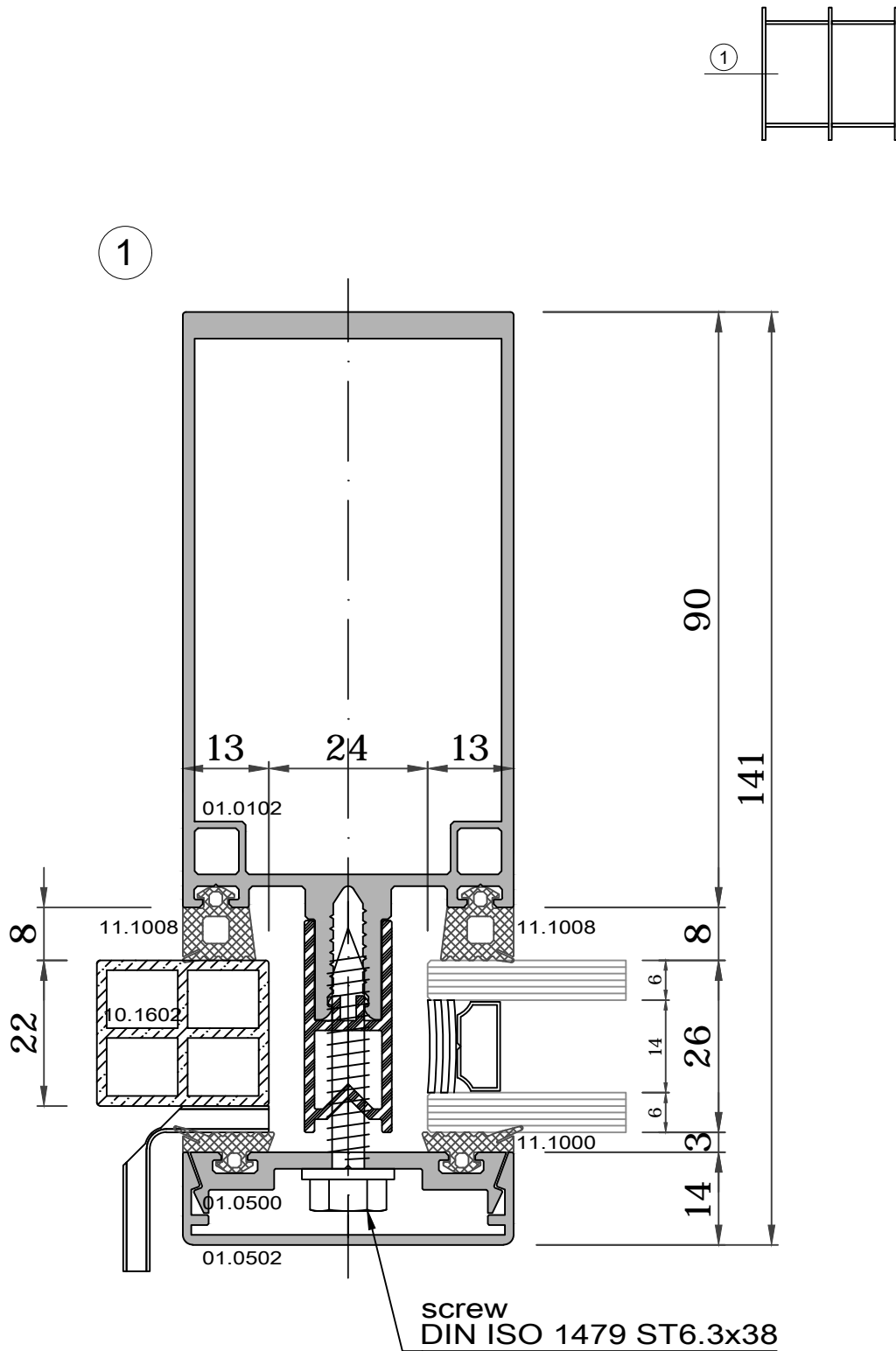
CW 50
FACADE SYSTEM

SYSTEM DETAILS

SYSTEM DETAILS

/ COVER CAP, GLAZING 26 MM/

SECTIONS



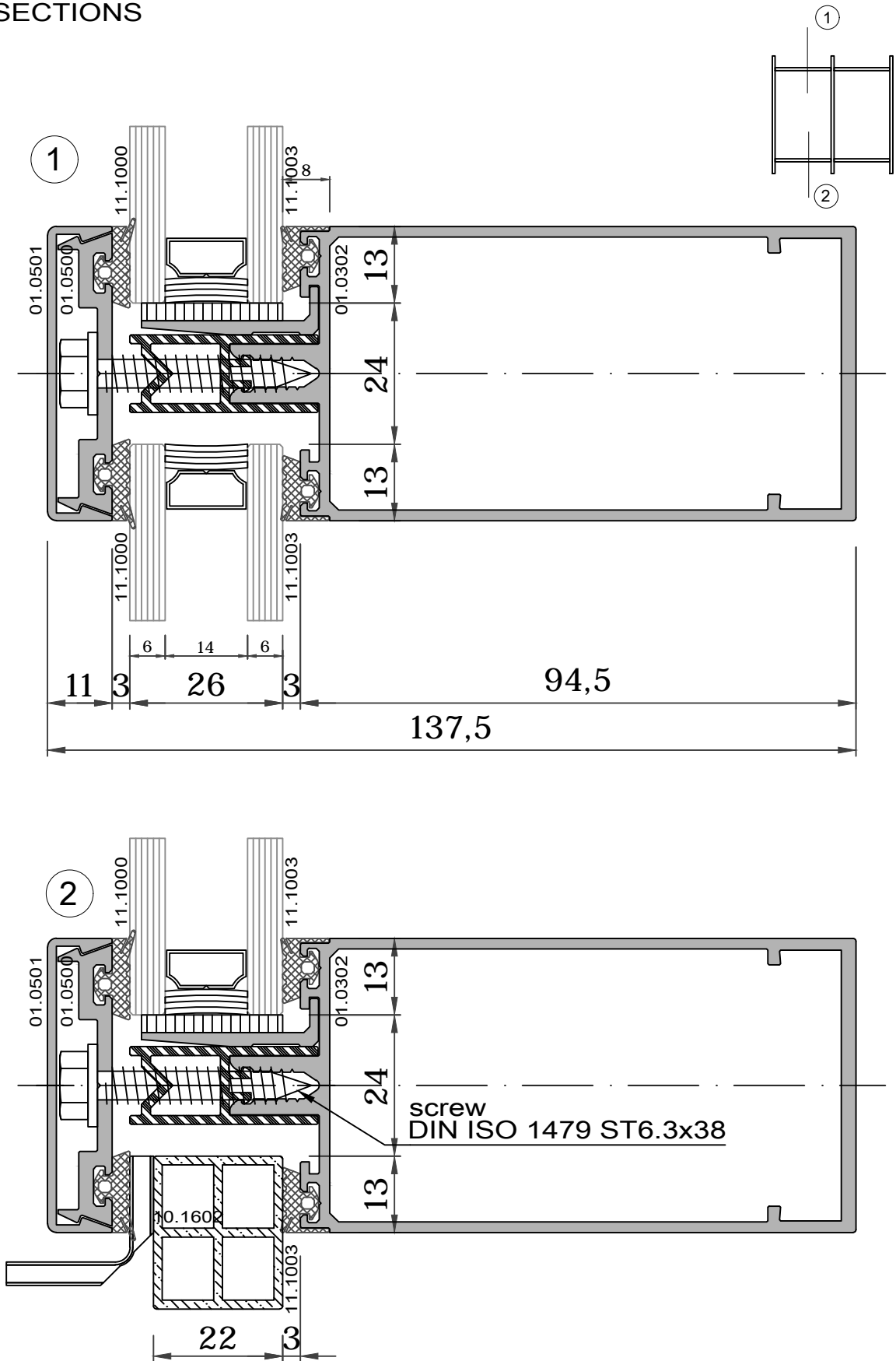
M 1:1

1

SYSTEM DETAILS

/COVER CAP, GLAZING 26 MM/

SECTIONS



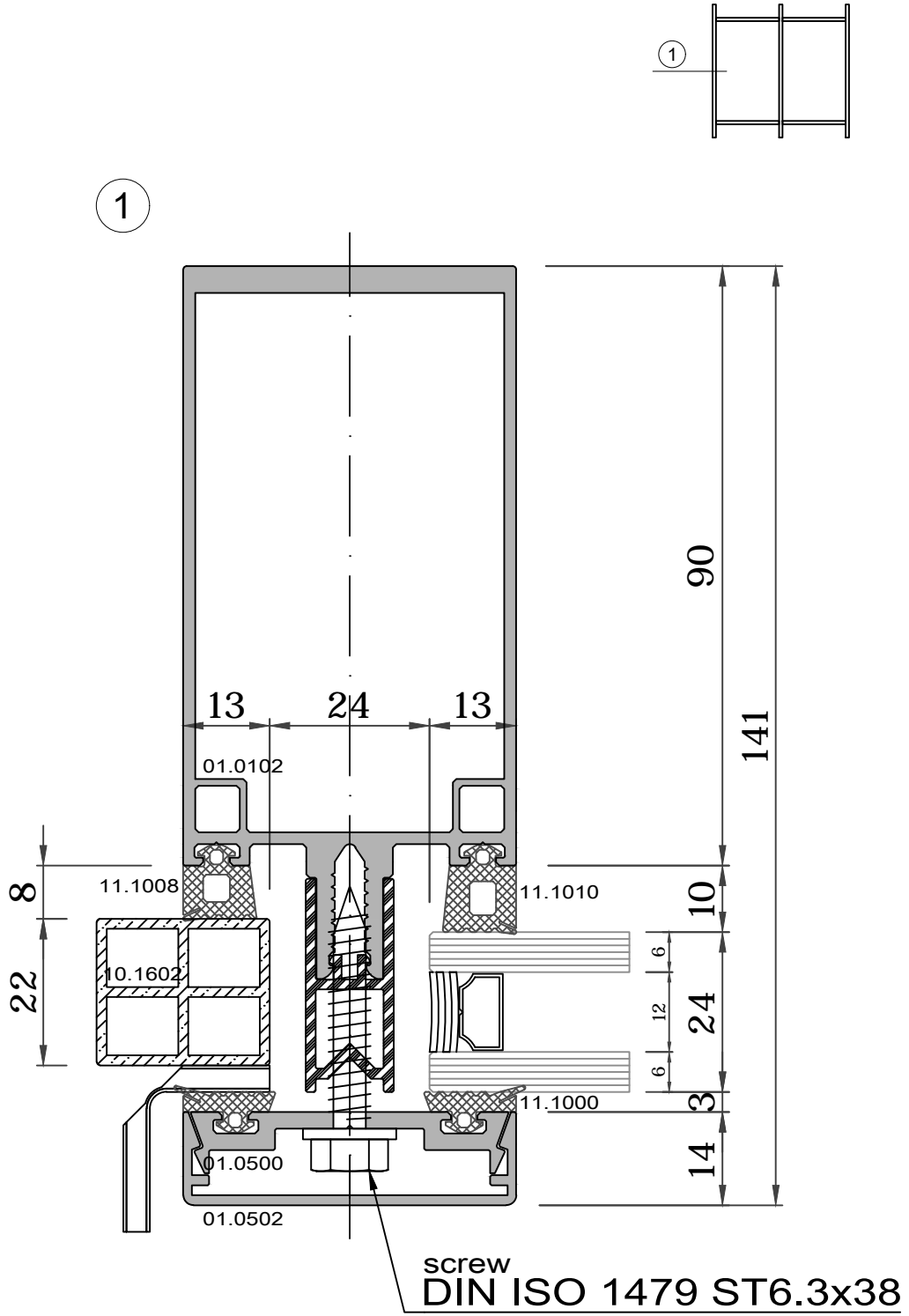
M 1:1

2

SYSTEM DETAILS

/COVER CAP, GLAZING 24 MM/

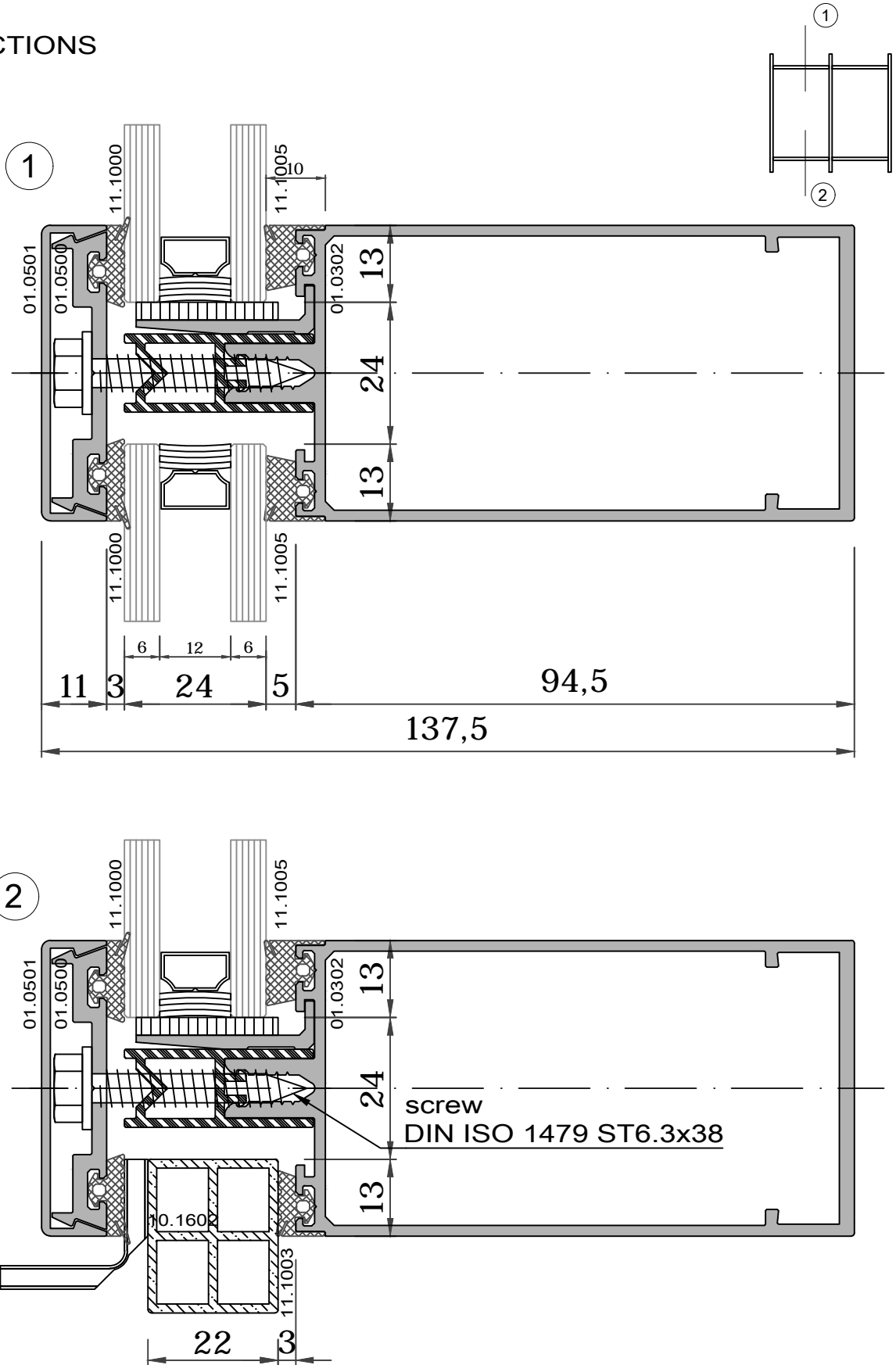
SECTIONS



SYSTEM DETAILS

/COVER CAP, GLAZING 24 MM/

SECTIONS



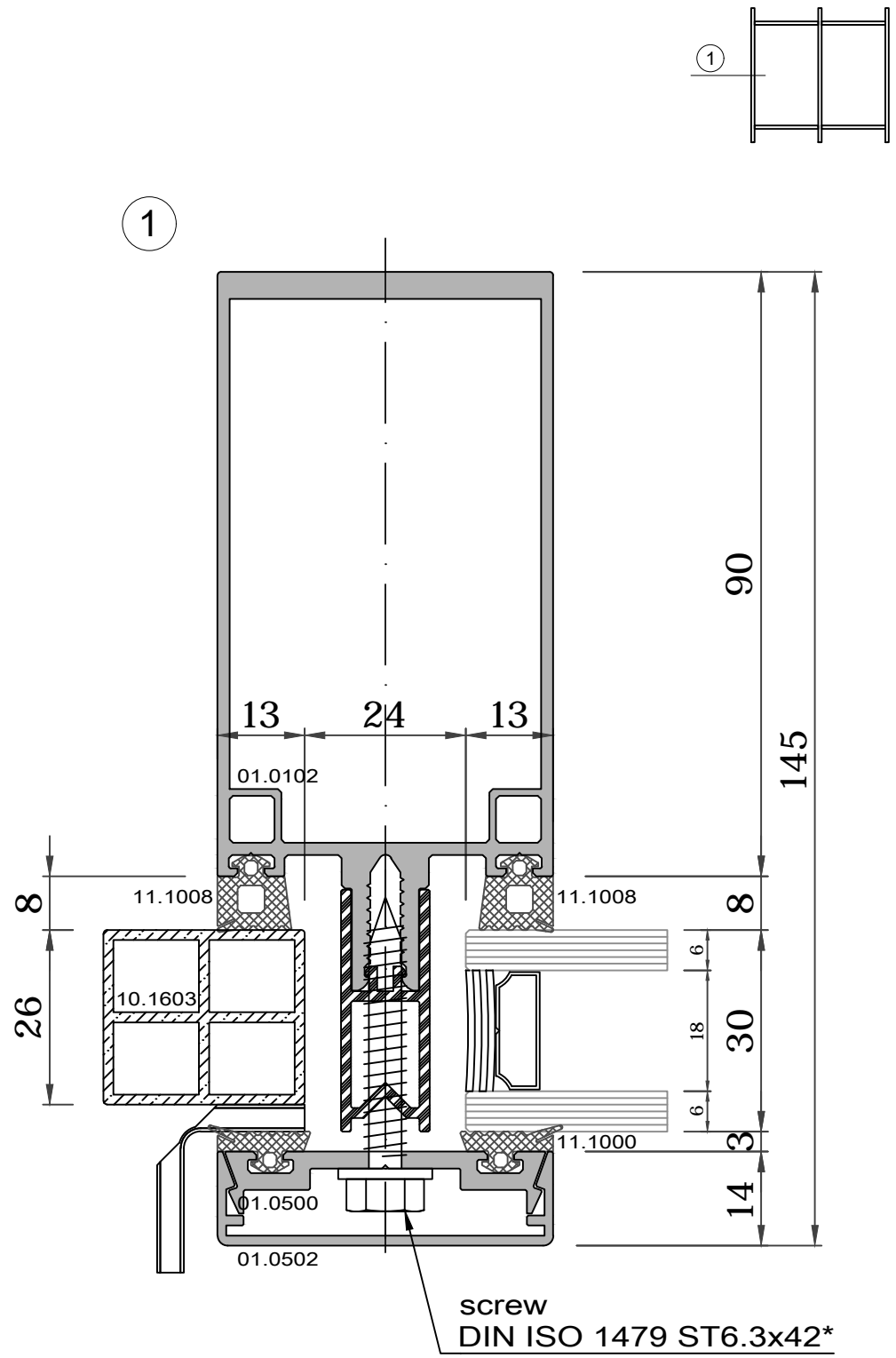
M 1:1

4

SYSTEM DETAILS

/COVER CAP, GLAZING 30 MM/

SECTIONS



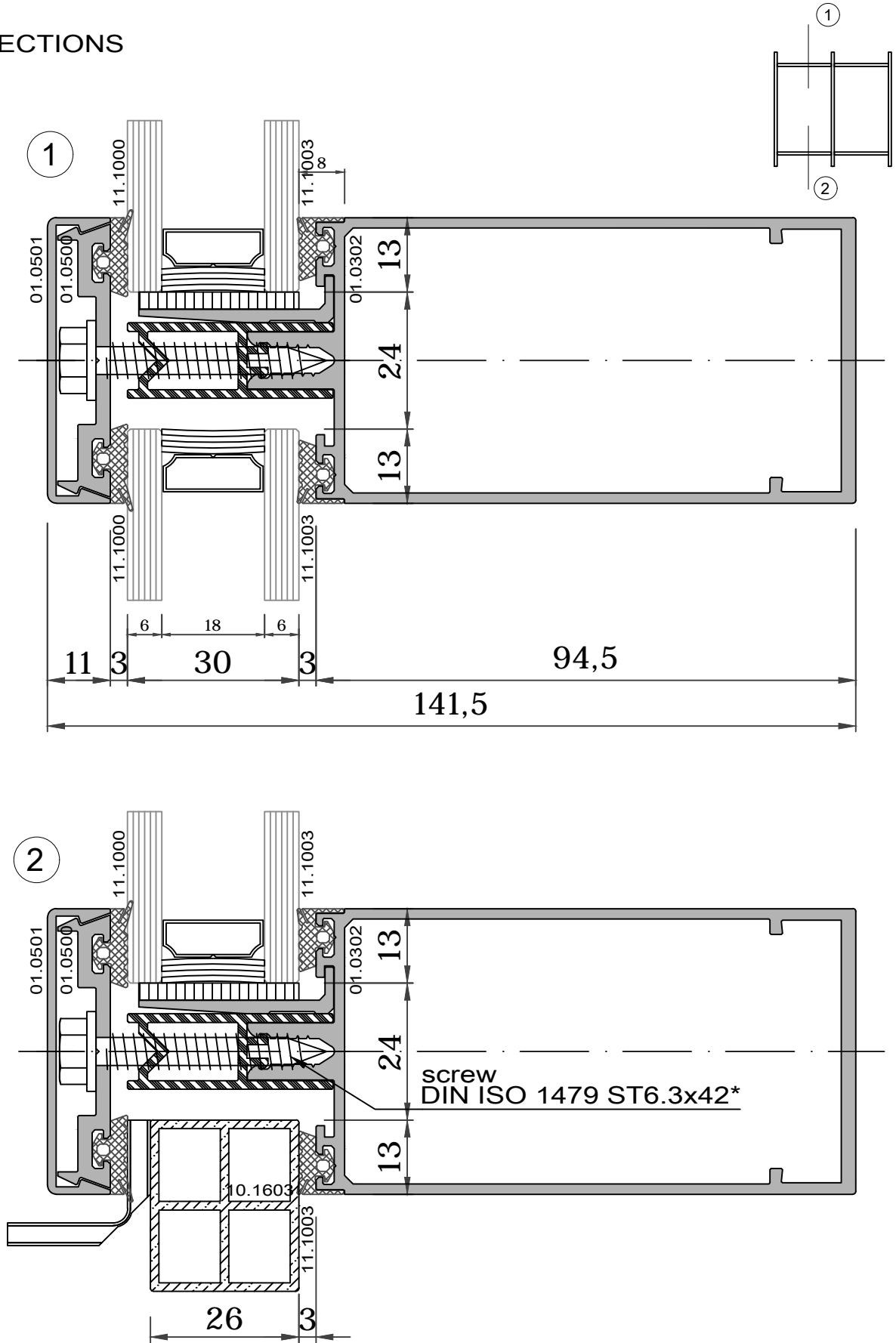
M 1:1

5

SYSTEM DETAILS

/COVER CAP, GLAZING 30 MM/

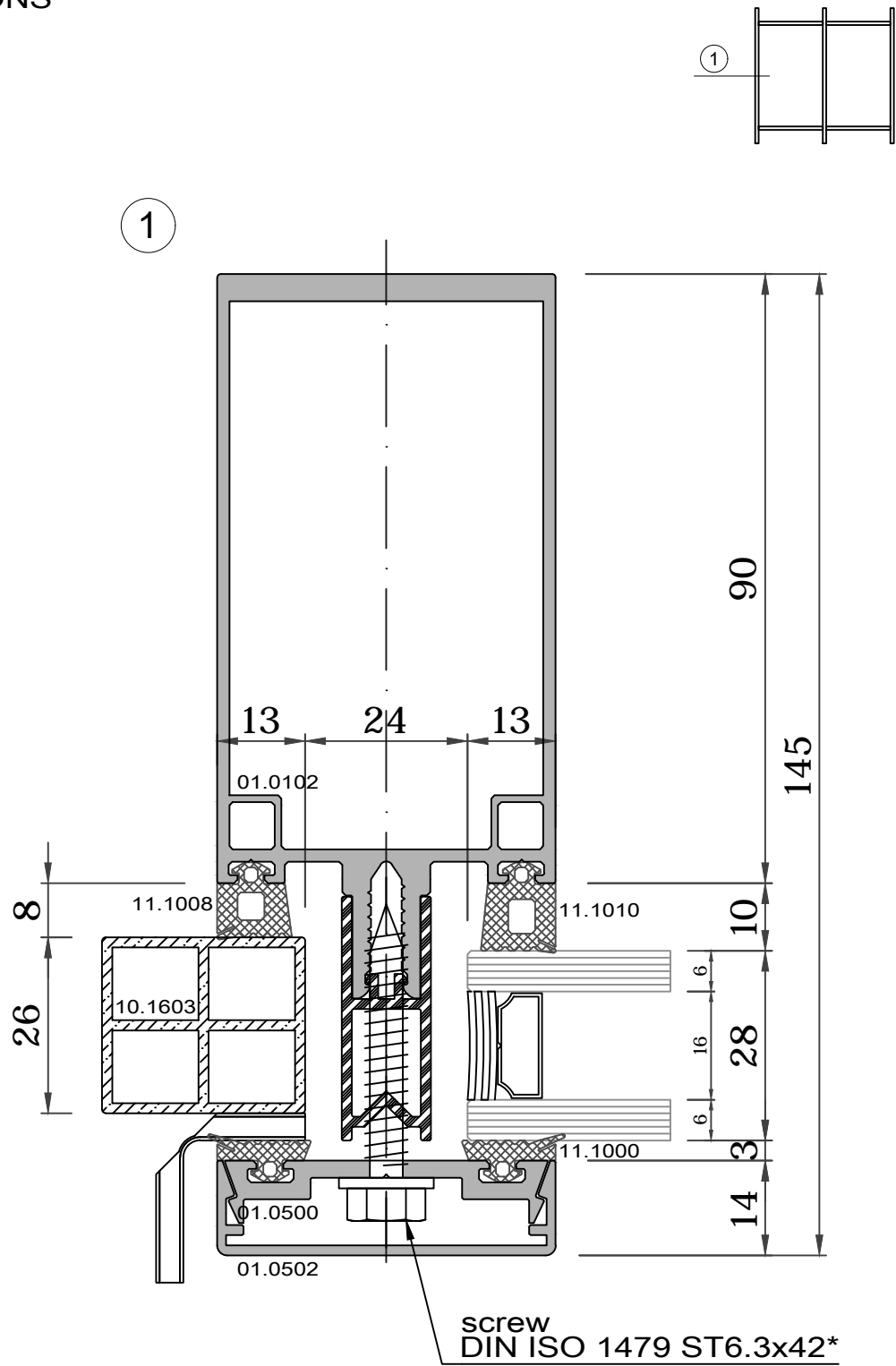
SECTIONS



SYSTEM DETAILS

/COVER CAP, GLAZING 28 MM/

SECTIONS



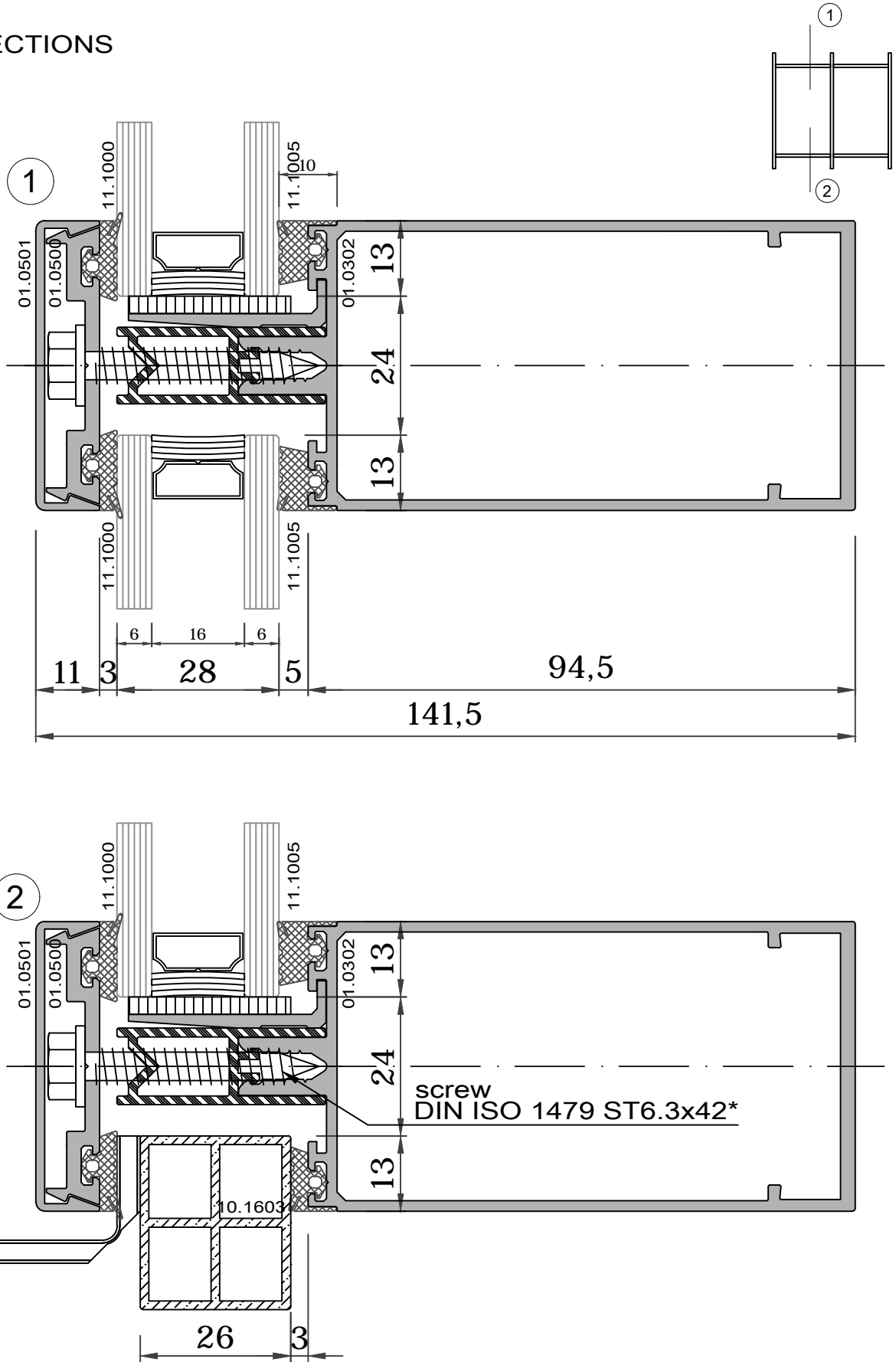
M 1:1

7

SYSTEM DETAILS

/COVER CAP, GLAZING 28 MM/

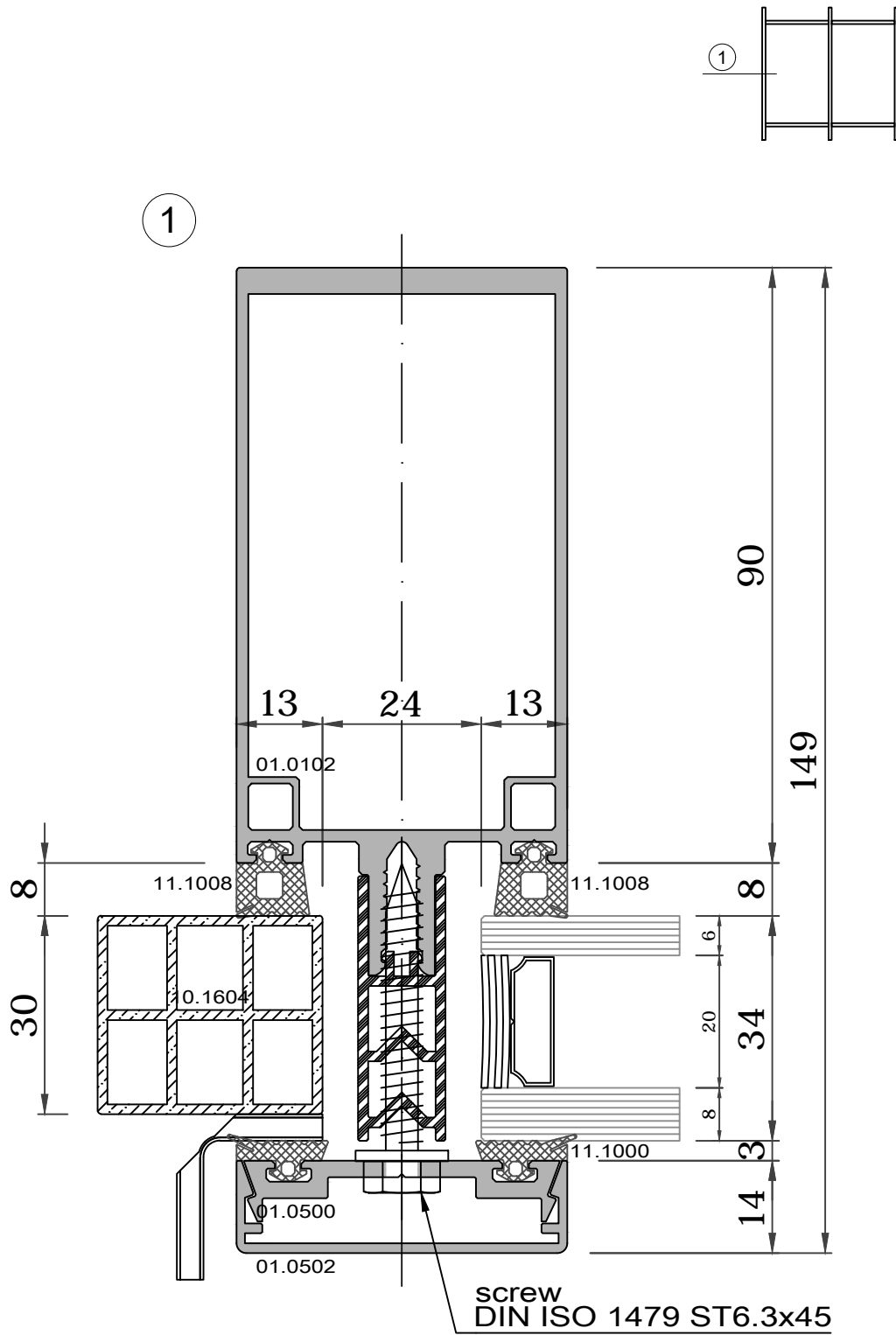
SECTIONS



SYSTEM DETAILS

/COVER CAP, GLAZING 34 MM/

SECTIONS



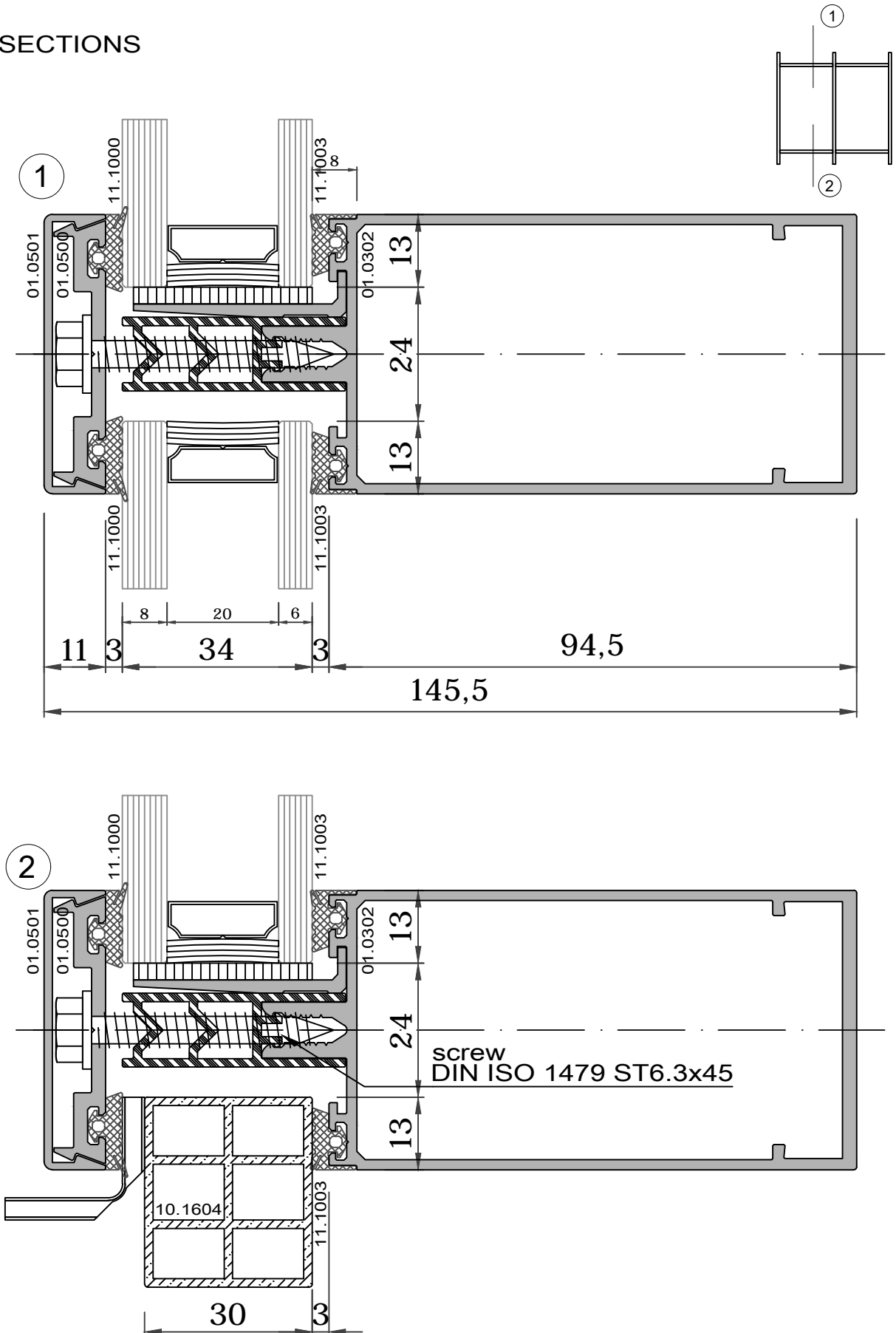
M 1:1

9

SYSTEM DETAILS

/COVER CAP, GLAZING 34 MM/

SECTIONS



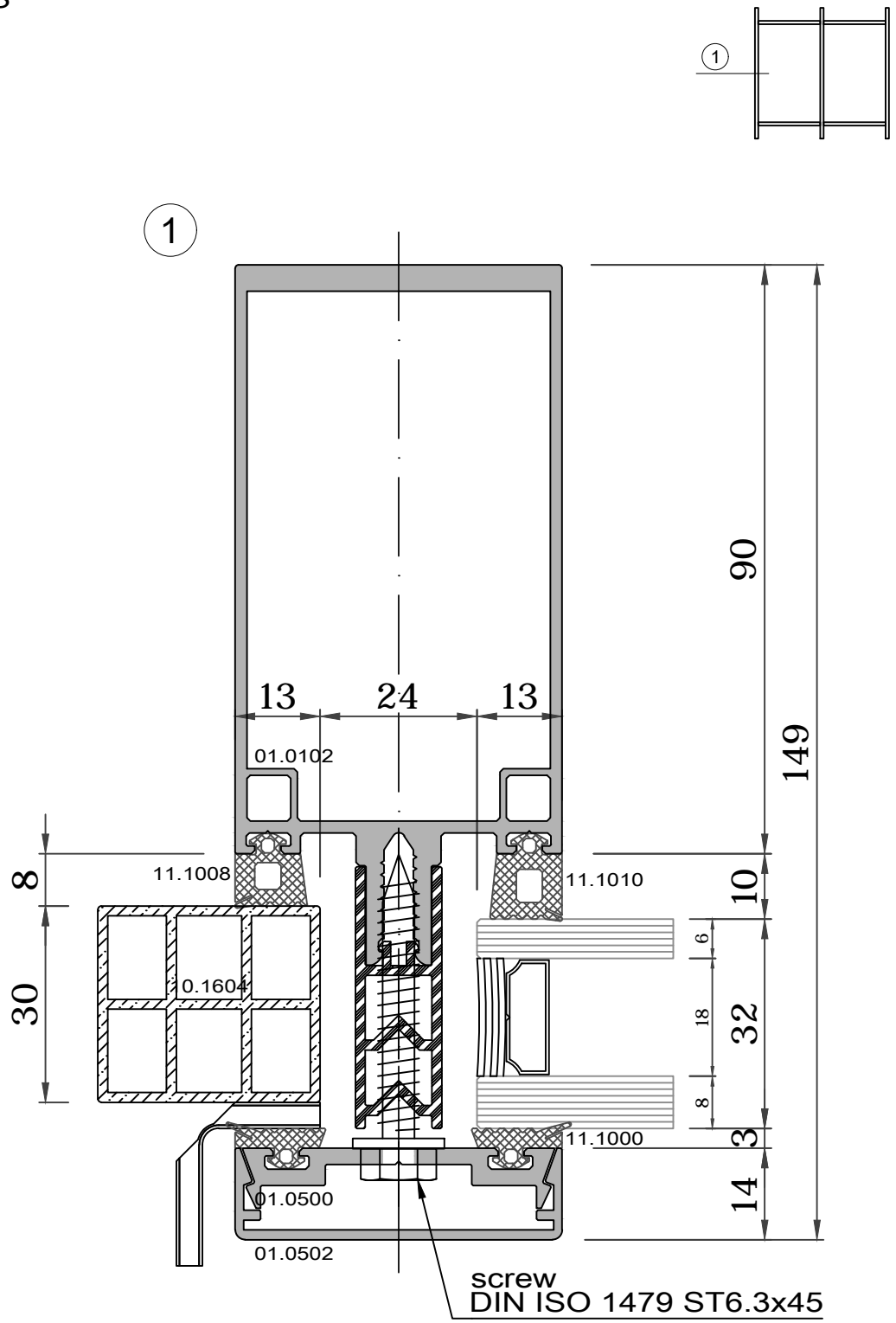
M 1:1

10

SYSTEM DETAILS

/COVER CAP, GLAZING 32 MM/

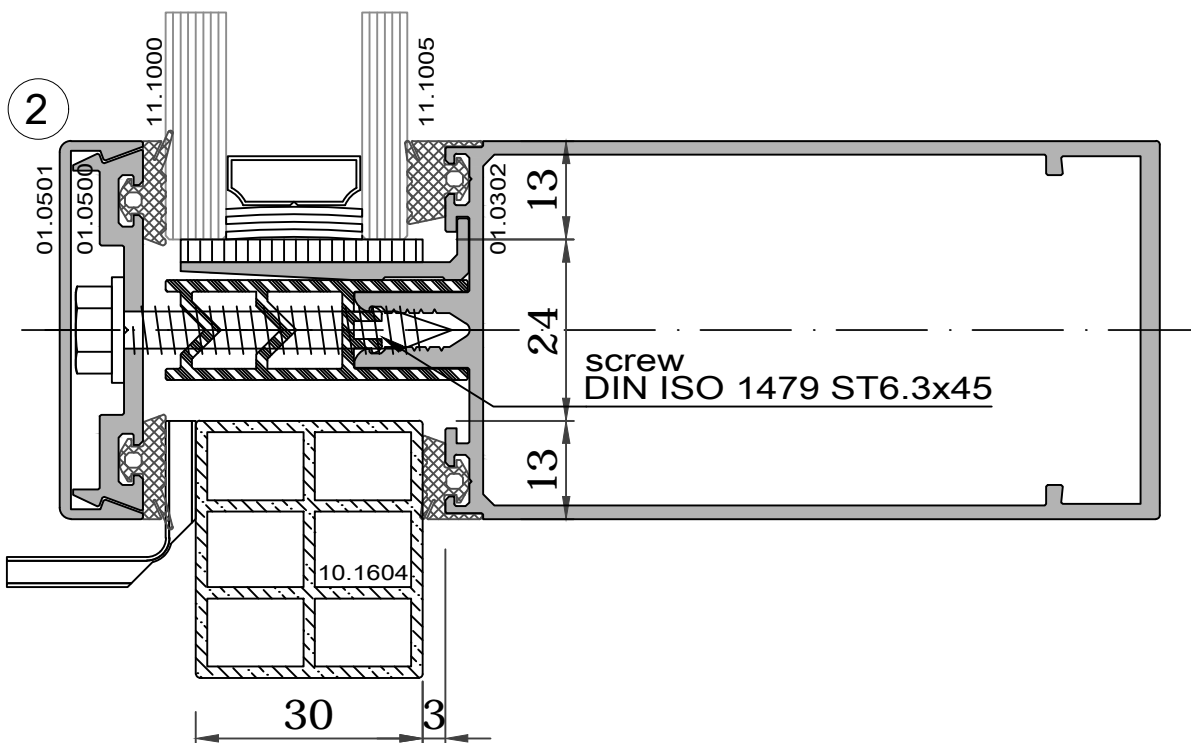
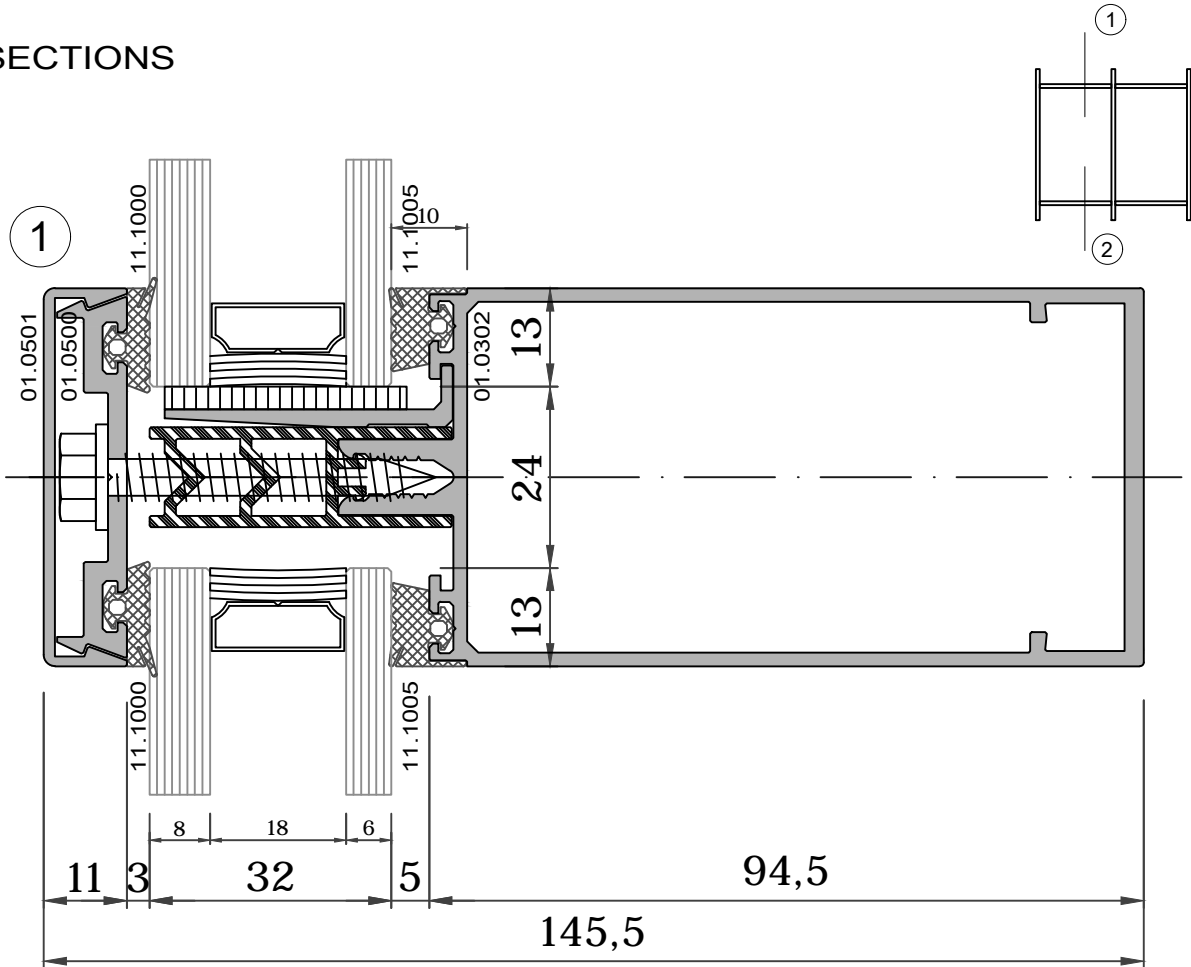
SECTIONS



SYSTEM DETAILS

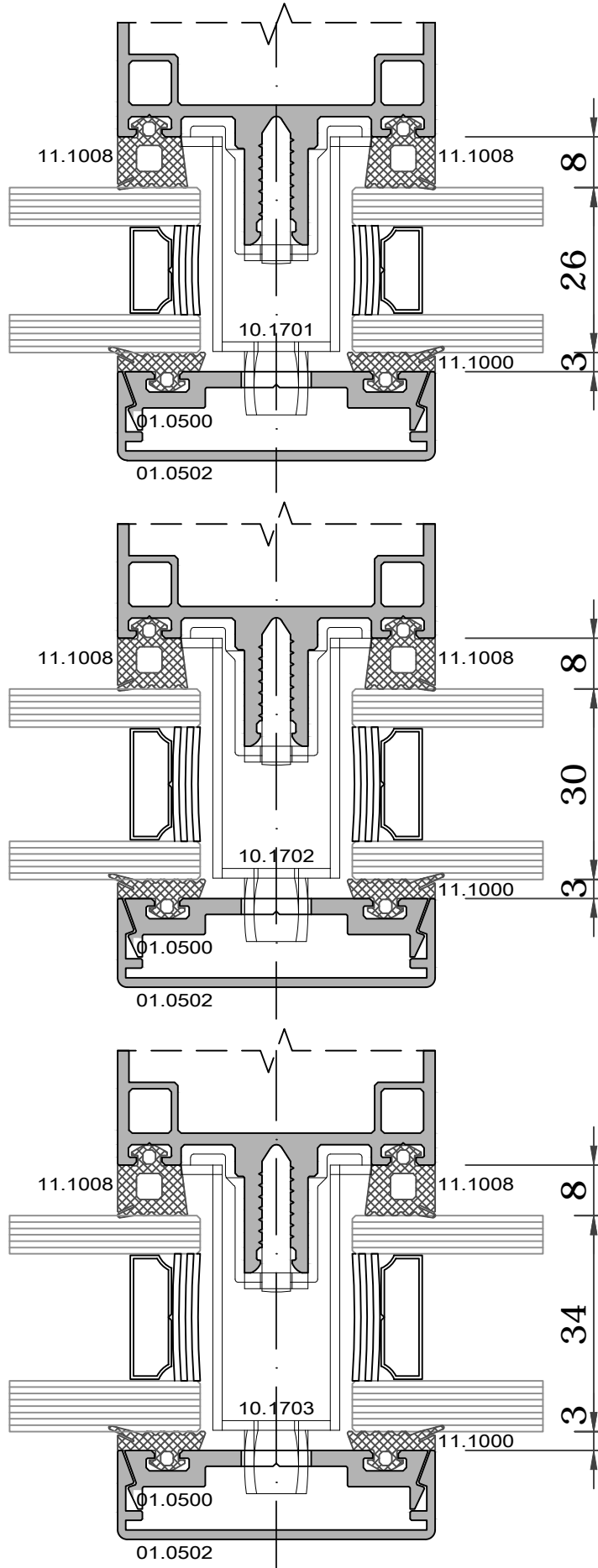
/COVER CAP, GLAZING 32 MM/

SECTIONS



SYSTEM DETAILS

/DRAINAGE PROFILES - OPTIONS/



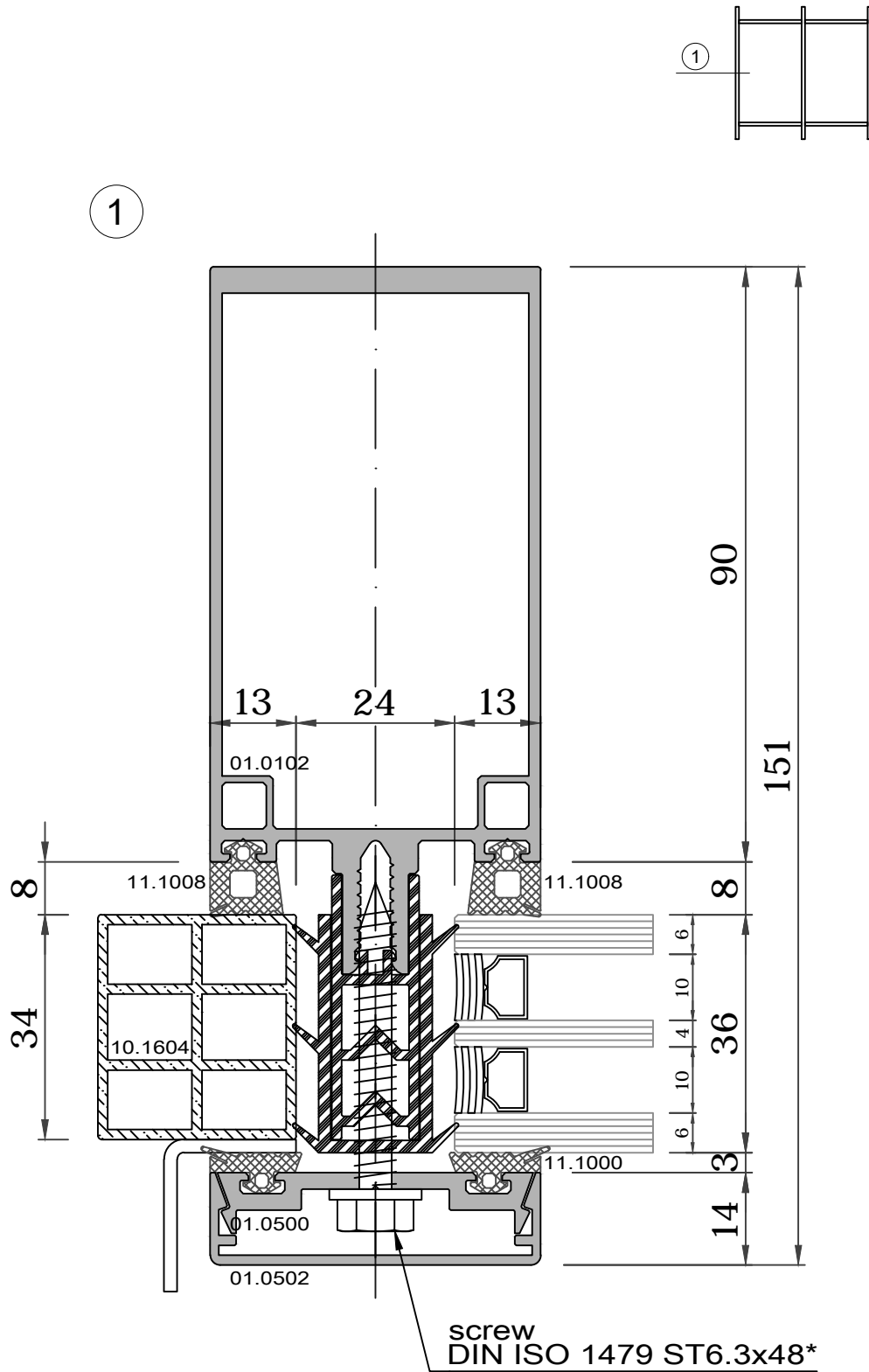
M 1:1

13

SYSTEM DETAILS

/COVER CAP, GLAZING 36 MM/

SECTIONS



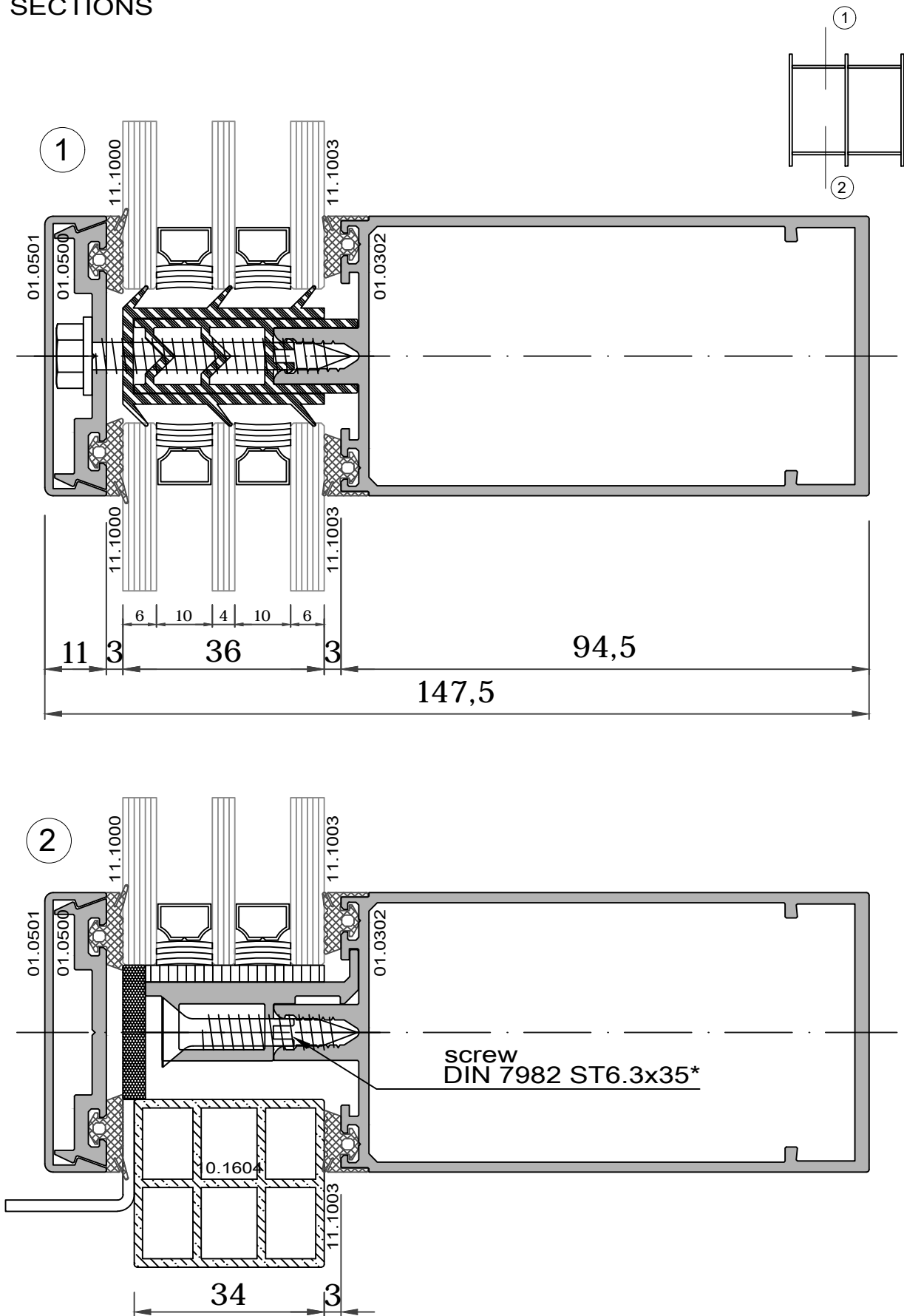
M 1:1

14

SYSTEM DETAILS

/COVER CAP, GLAZING 36 MM/

SECTIONS



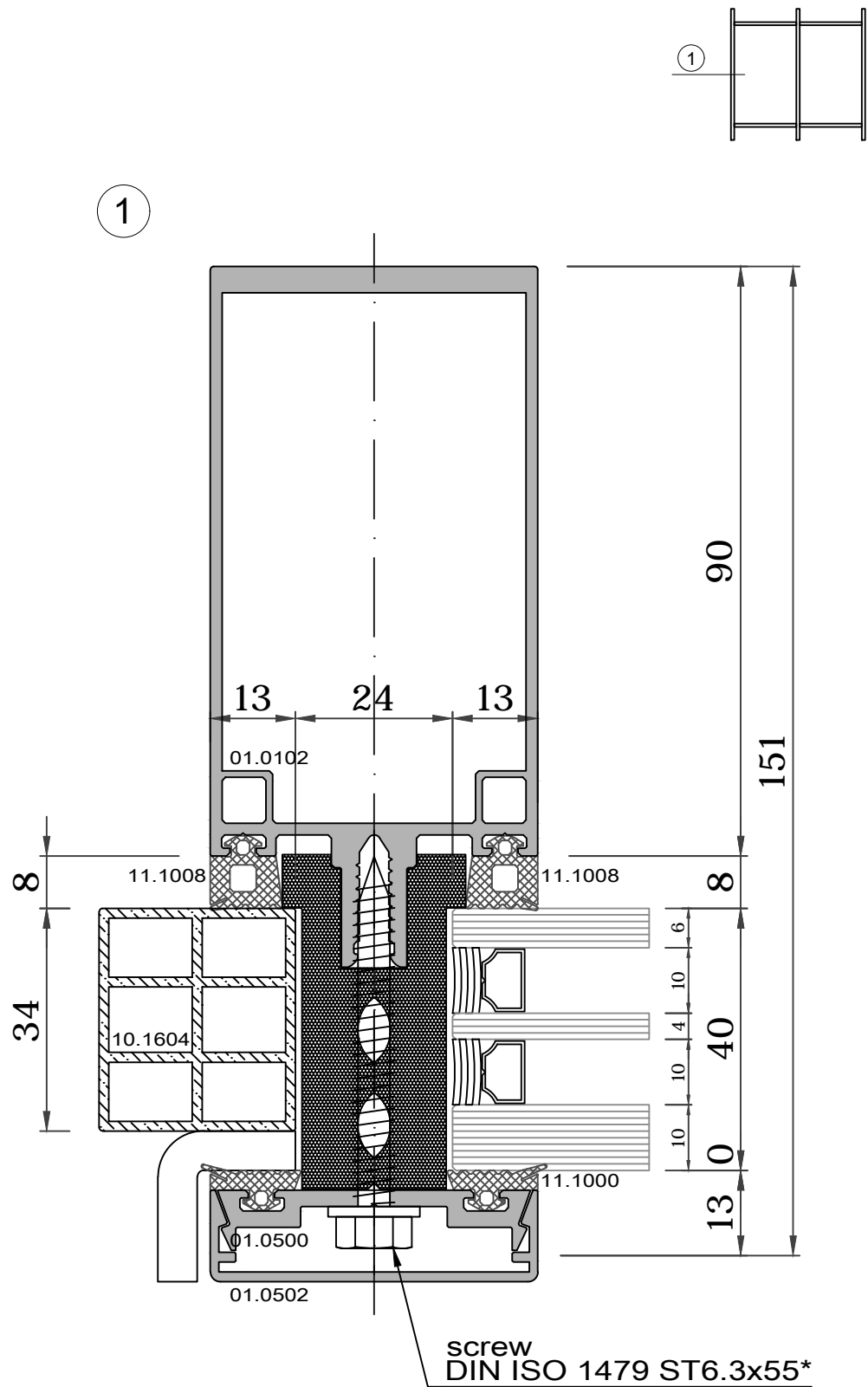
M 1:1

15

SYSTEM DETAILS

/COVER CAP, GLAZING 40 MM/

SECTIONS



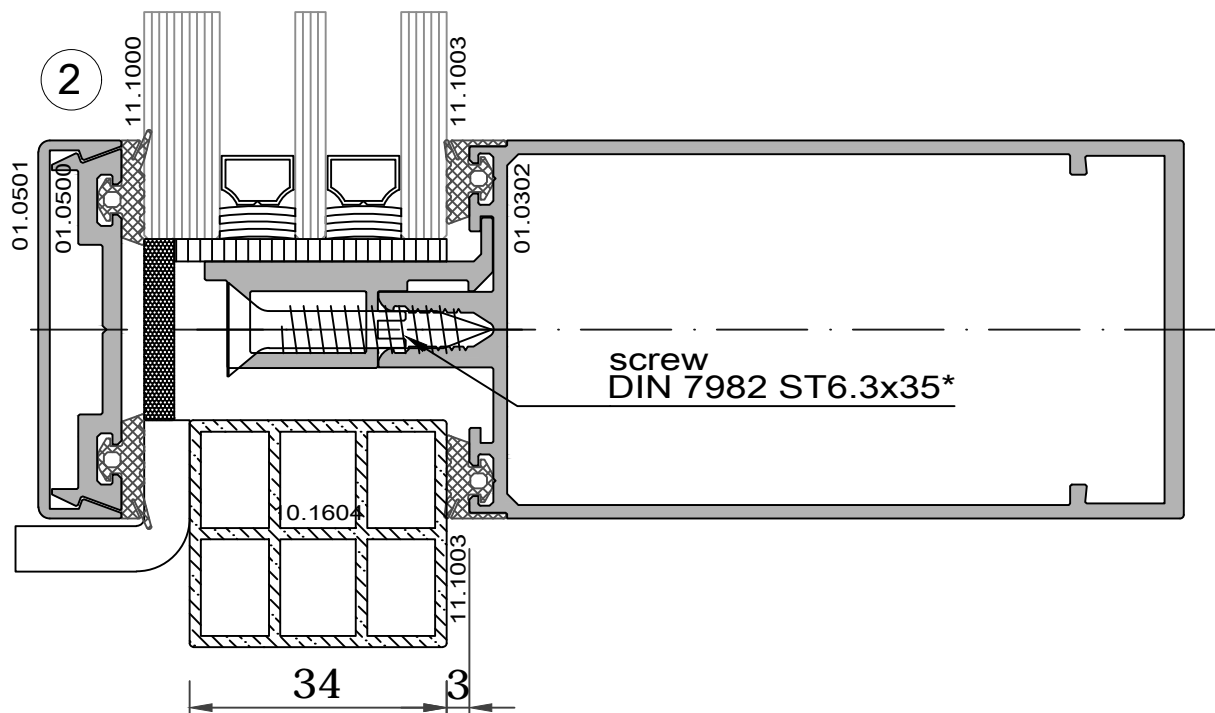
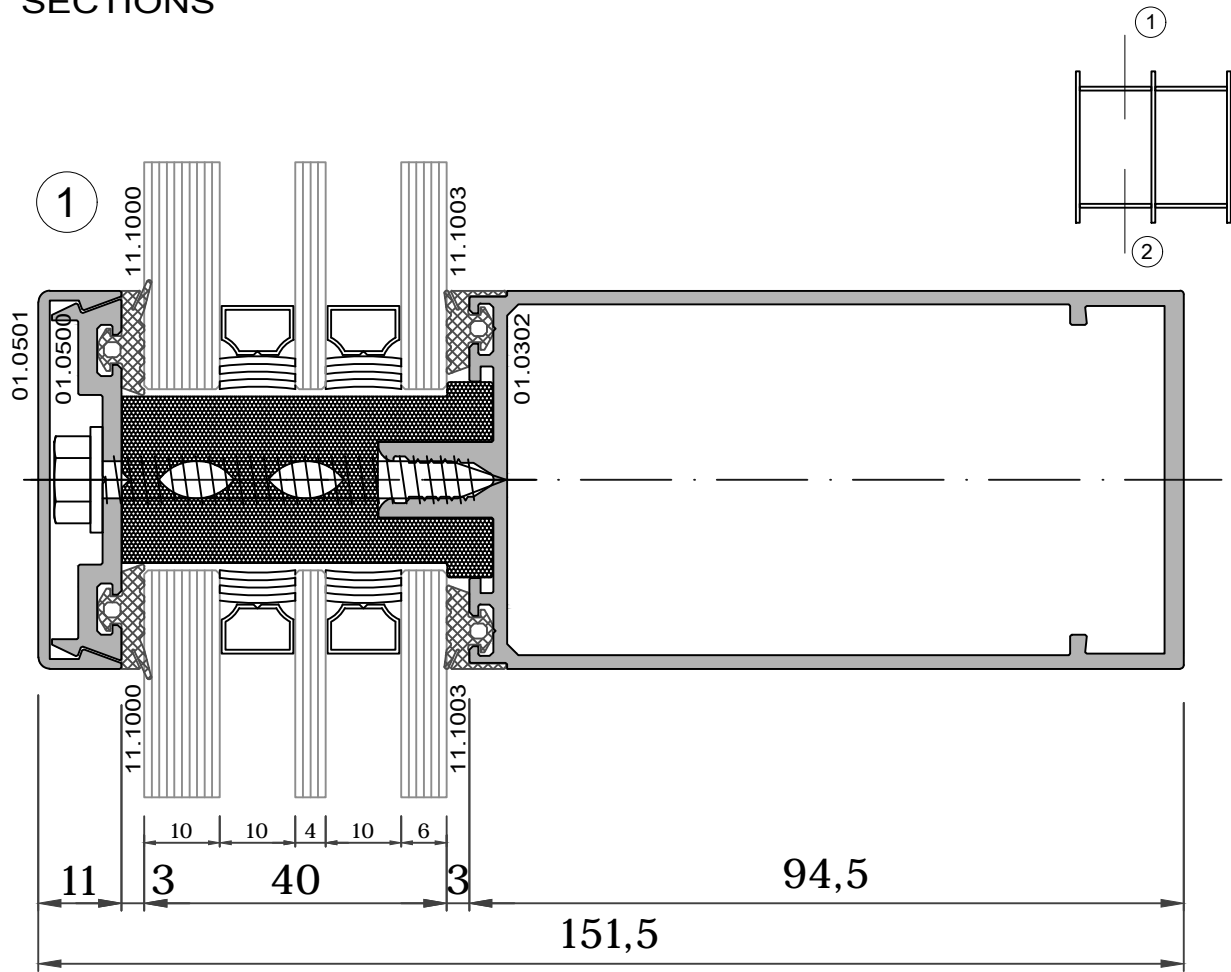
M 1:1

16

SYSTEM DETAILS

/COVER CAP, GLAZING 40 MM/

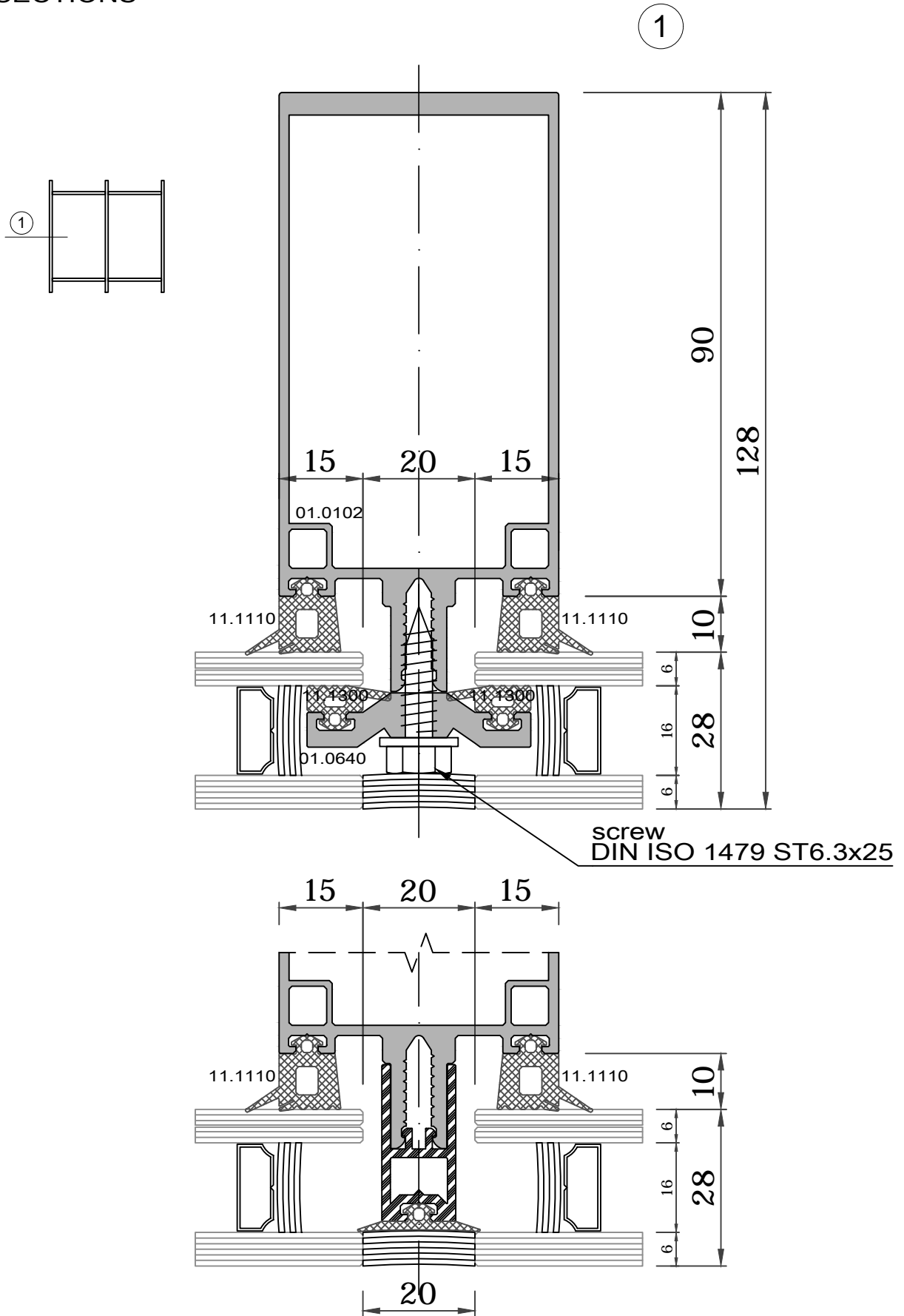
SECTIONS



SYSTEM DETAILS

/GLAZING CONSTRUCTION FOR STRUCTURAL GLAZING 28 mm/

OPTION 1
SECTIONS



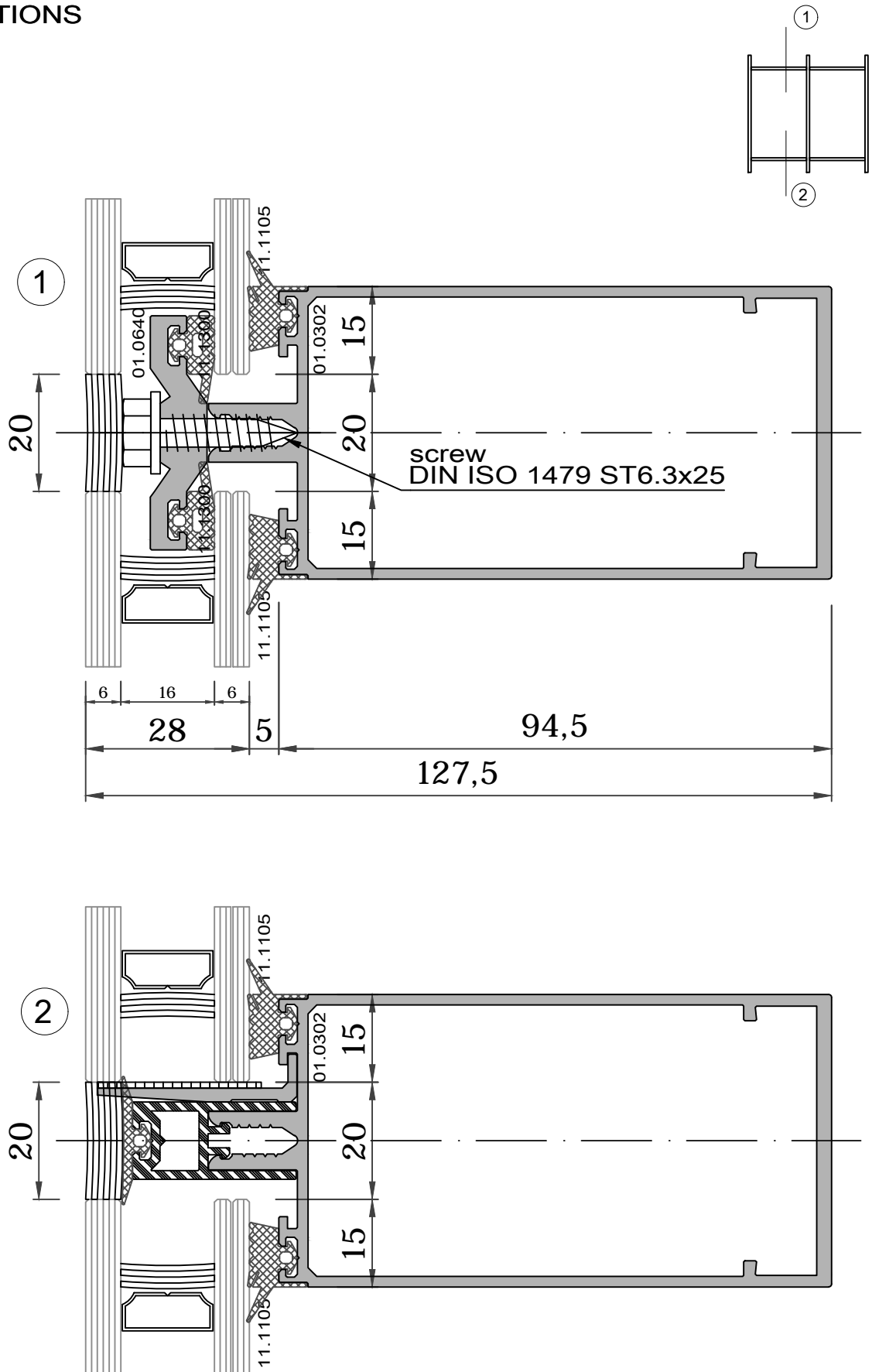
M 1:1

18

SYSTEM DETAILS

/GLAZING CONSTRUCTION FOR STRUCTURAL GLAZING 28 mm/

OPTION 1
SECTIONS



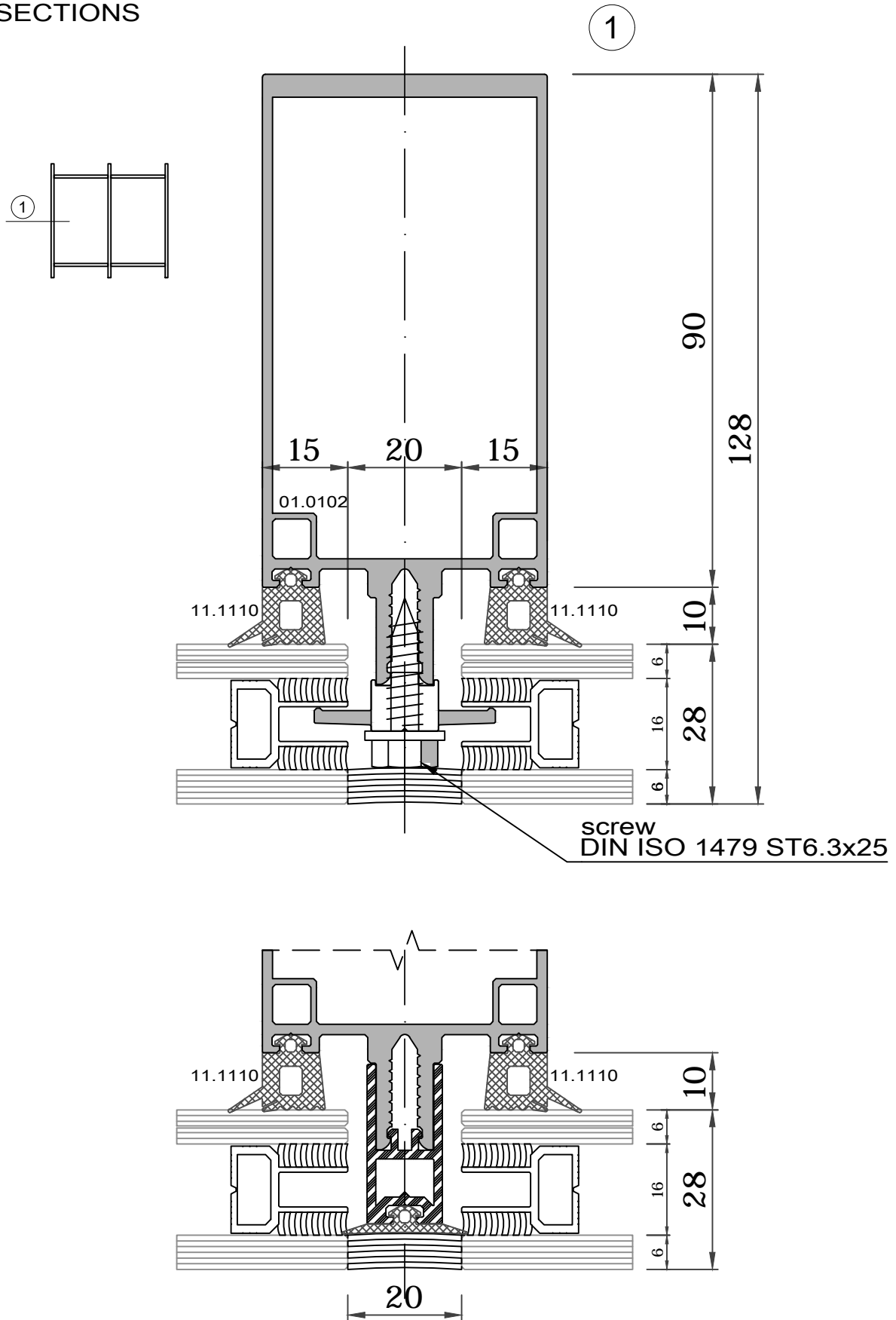
M 1:1

19

SYSTEM DETAILS

/GLAZING CONSTRUCTION FOR STRUCTURAL GLAZING 28 mm/

OPTION 2
SECTIONS



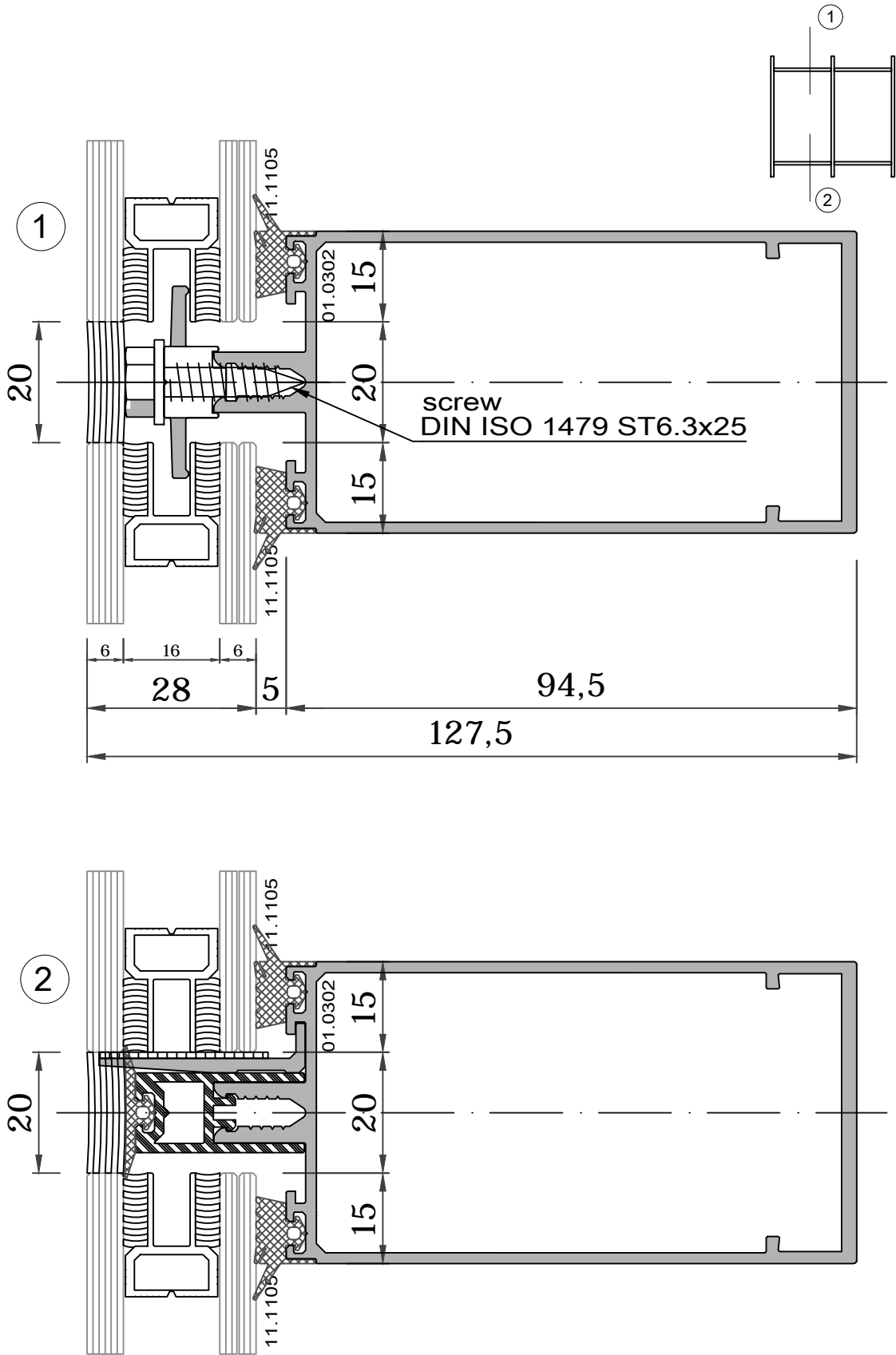
M 1:1

20

SYSTEM DETAILS

/GLAZING CONSTRUCTION FOR STRUCTURAL GLAZING 28 mm/

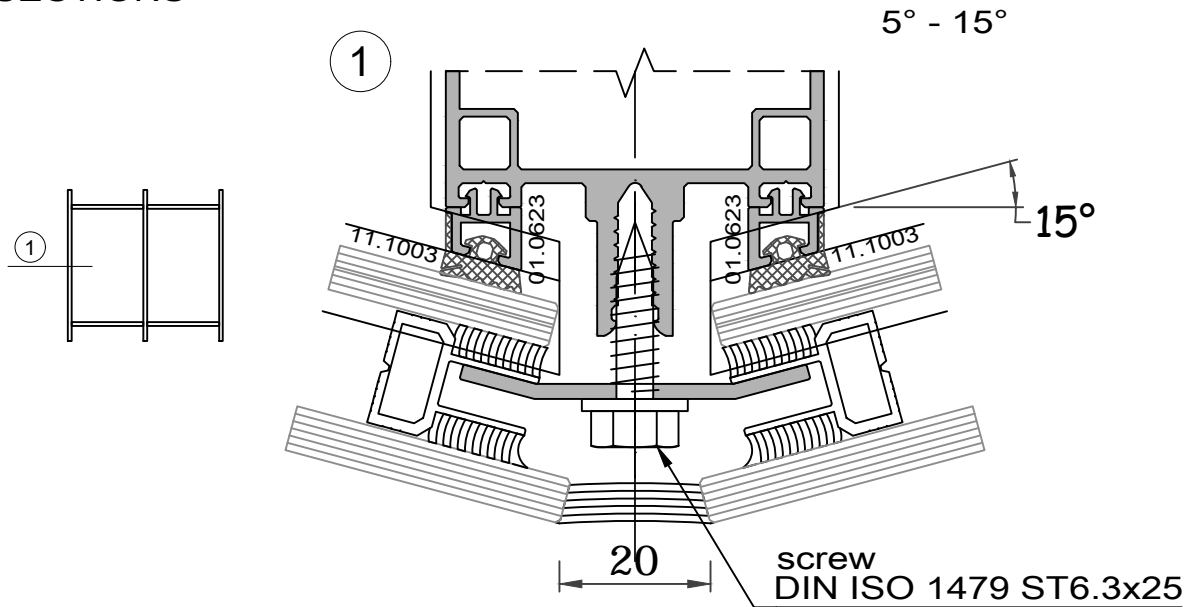
OPTION 2
SECTIONS



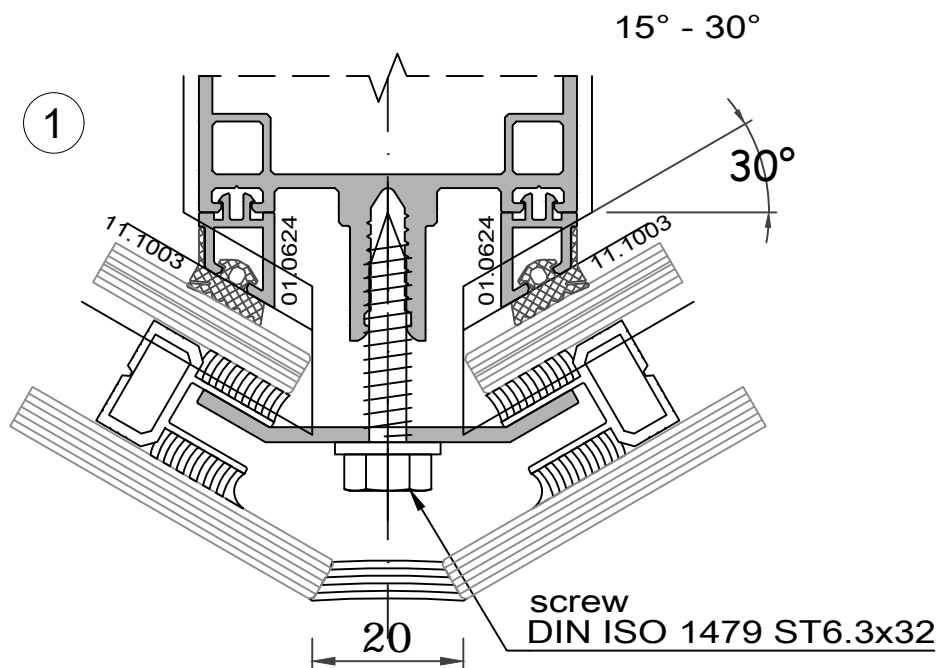
SYSTEM DETAILS

/GLAZING CONSTRUCTION FOR STRUCTURAL GLAZING/
/POLYGONAL FACADE SURFACES/

SECTIONS



PRESSURE PLATE - INDIVIDUAL IN SIZE

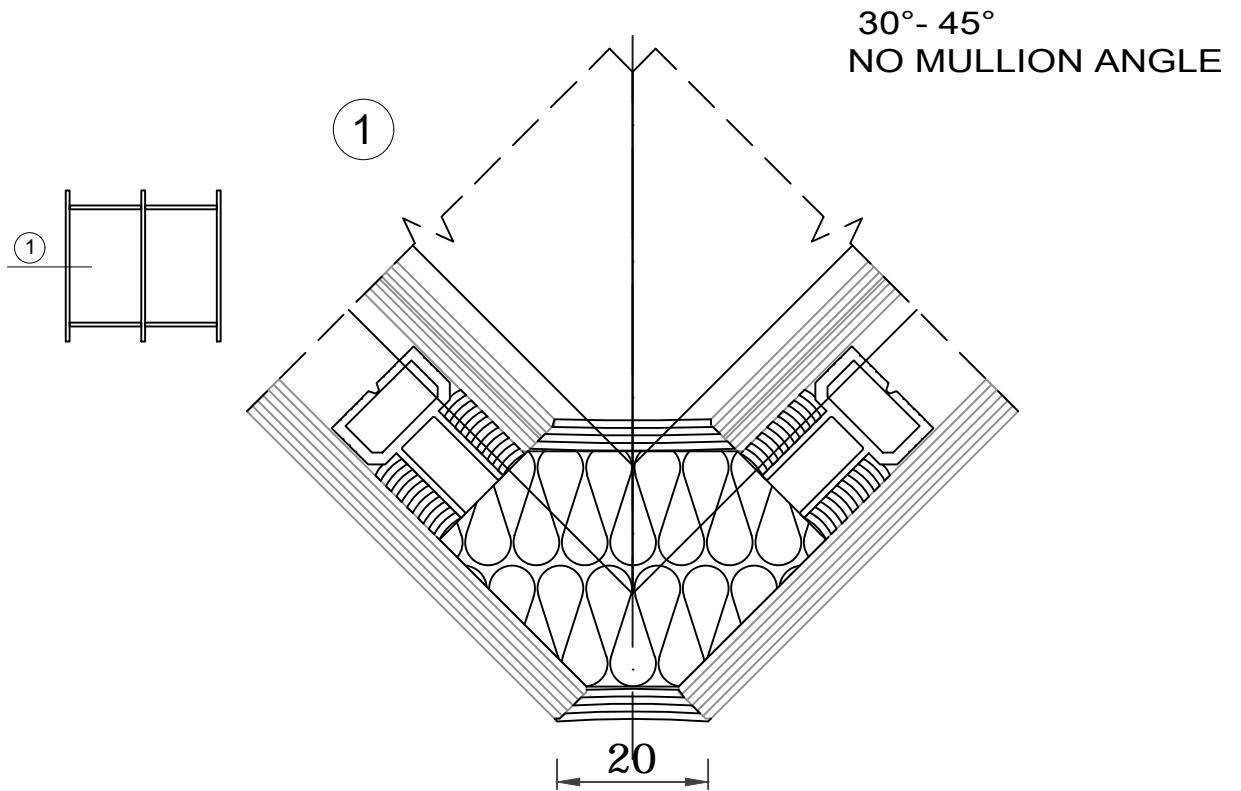


PRESSURE PLATE - INDIVIDUAL IN SIZE

SYSTEM DETAILS

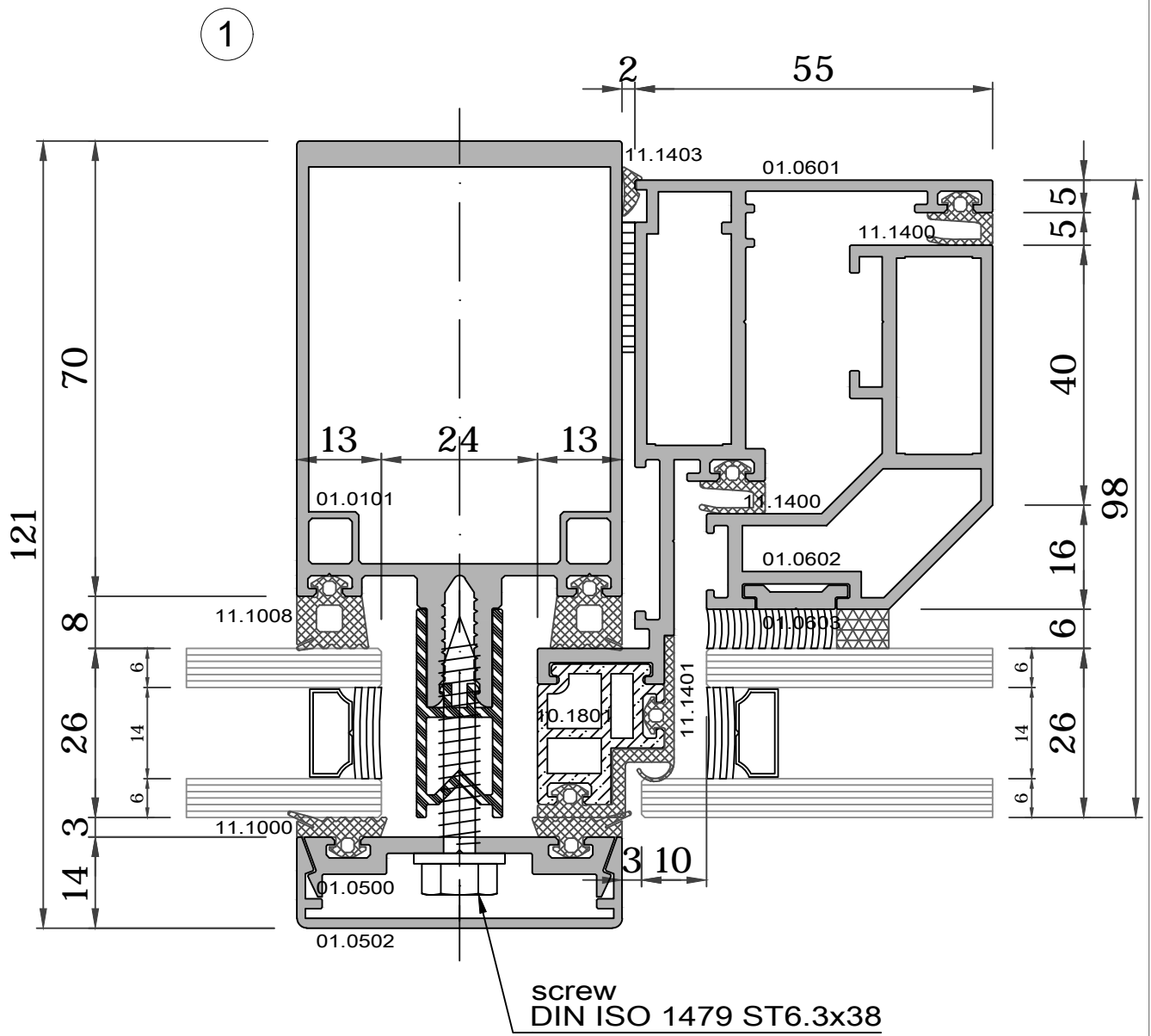
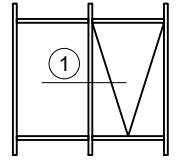
/GLAZING CONSTRUCTION FOR STRUCTURAL GLAZING/
/POLYGONAL FACADE SURFACES/

SECTIONS



SYSTEM DETAILS

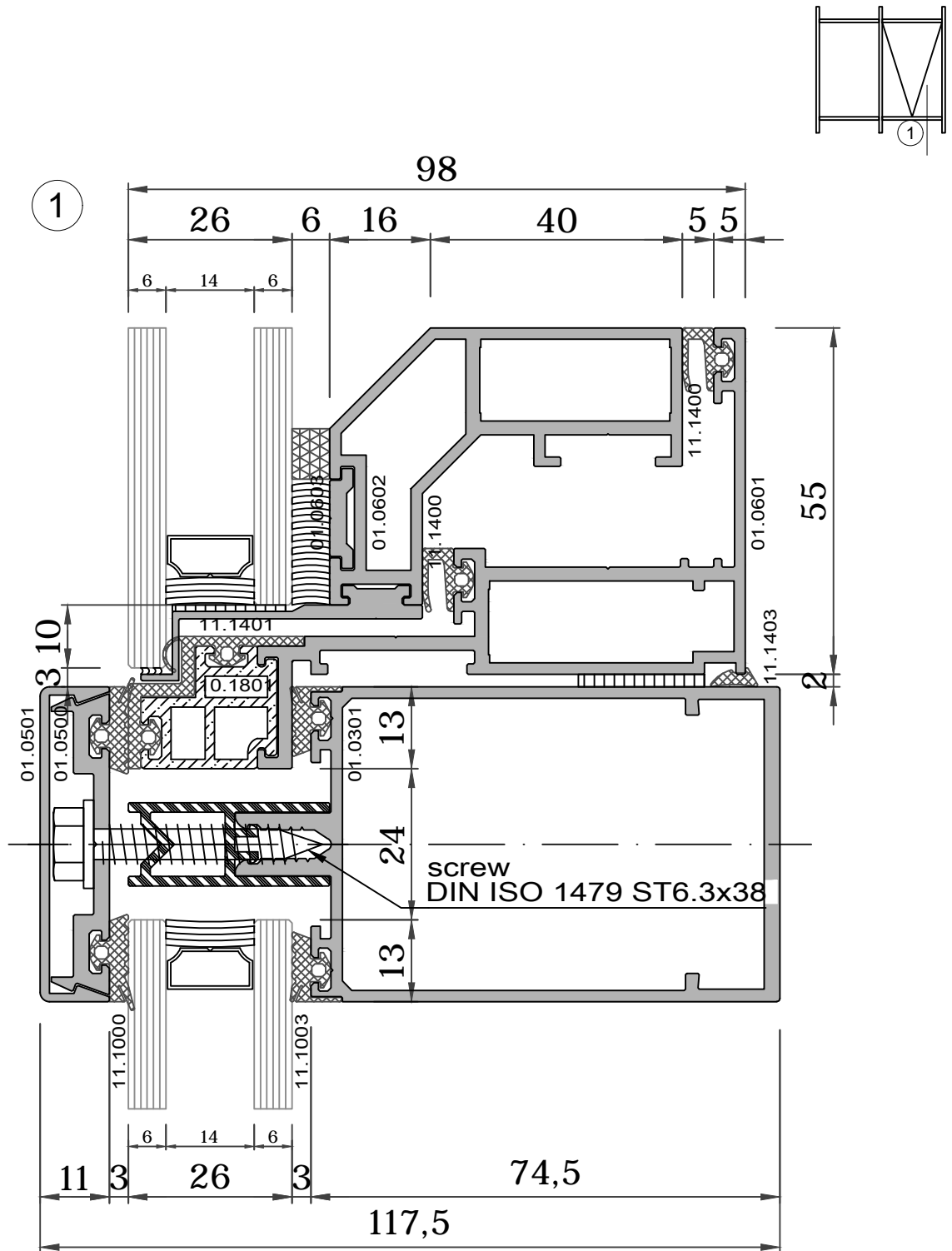
/COVER CAP FOR OUTWARDS PROJECTING WINDOW/
SECTIONS



THE MULLION SIZE IN OUTWARDS PROJECTING WINDOW IS MINIMUM 70 mm - 01.0101

SYSTEM DETAILS

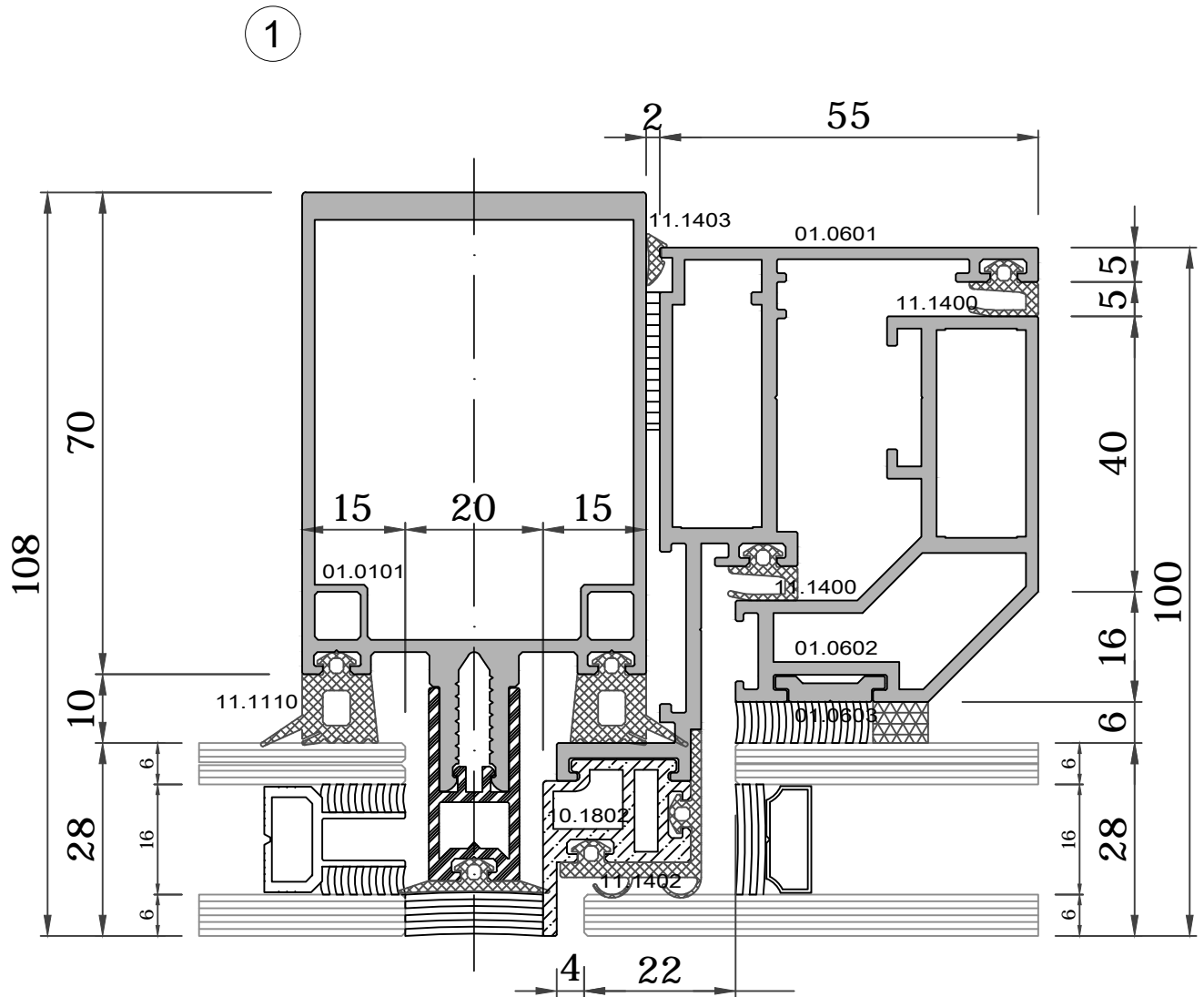
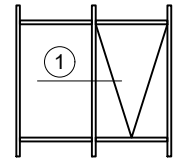
/COVER CAP FOR OUTWARDS PROJECTING WINDOW/ SECTIONS



THE TRANSOM SIZE IN OUTWARDS PROJECTING WINDOW IS MINIMUM 74.5 mm - 01.0301

SYSTEM DETAILS

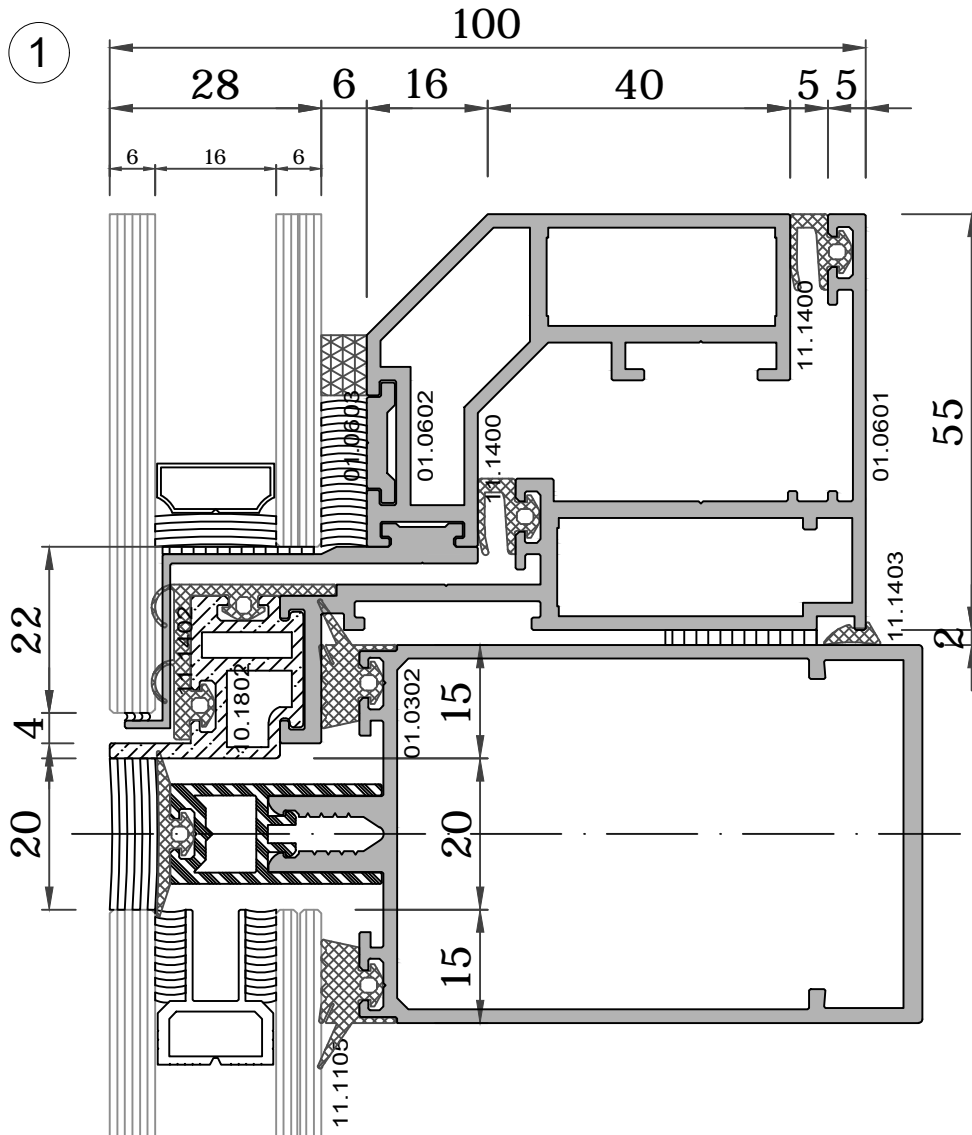
/COVER CAP FOR OUTWARDS PROJECTING WINDOW/
SECTIONS



THE MULLION SIZE IN OUTWARDS PROJECTING WINDOW IS MINIMUM 70 MM - 01.0101

SYSTEM DETAILS

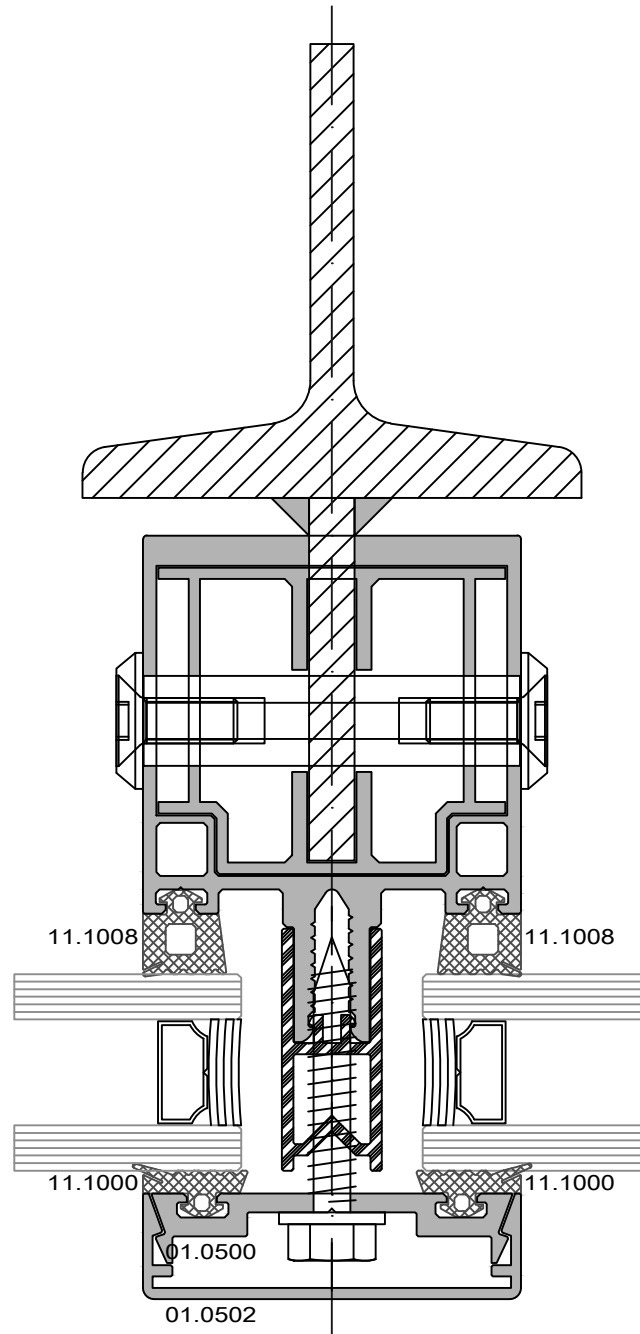
/OUTWARDS PROJECTING WINDOW FOR STRUCTURAL GLAZING/ SECTIONS



THE TRANSOM SIZE IN OUTWARDS PROJECTING WINDOW IS MINIMUM 74.5 mm - 01.0301

SYSTEM DETAILS

/INSTALLATION TO AN EXISTING LOAD-BEARING CONSTRUCTION/
SECTIONS

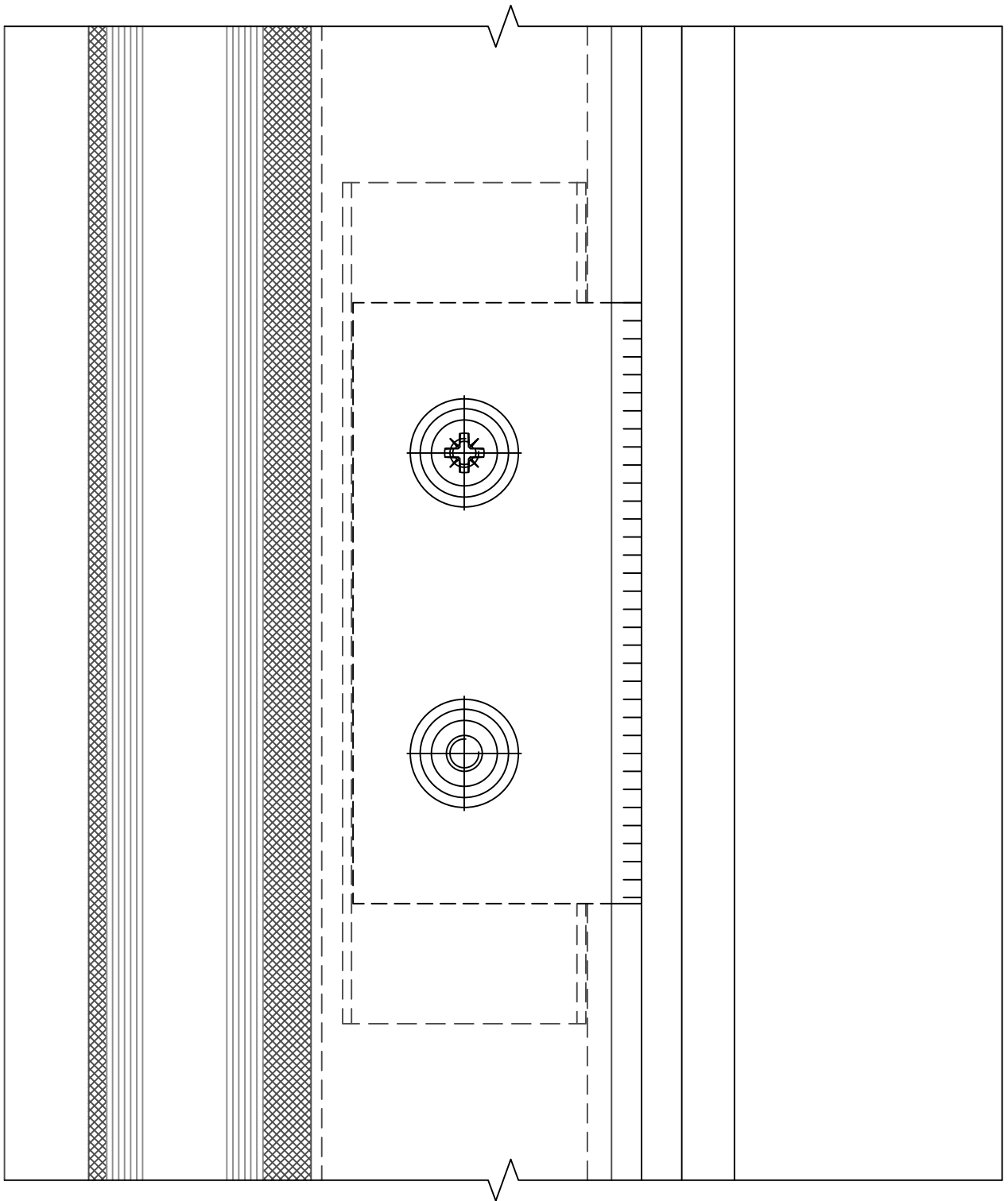


M 1:1

28

SYSTEM DETAILS

/INSTALLATION TO AN EXISTING LOAD-BEARING CONSTRUCTION/
SECTIONS



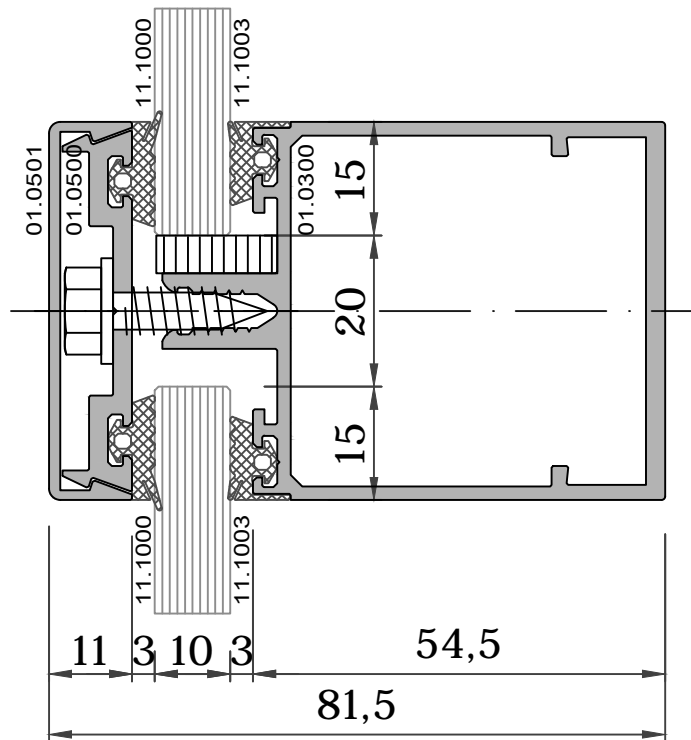
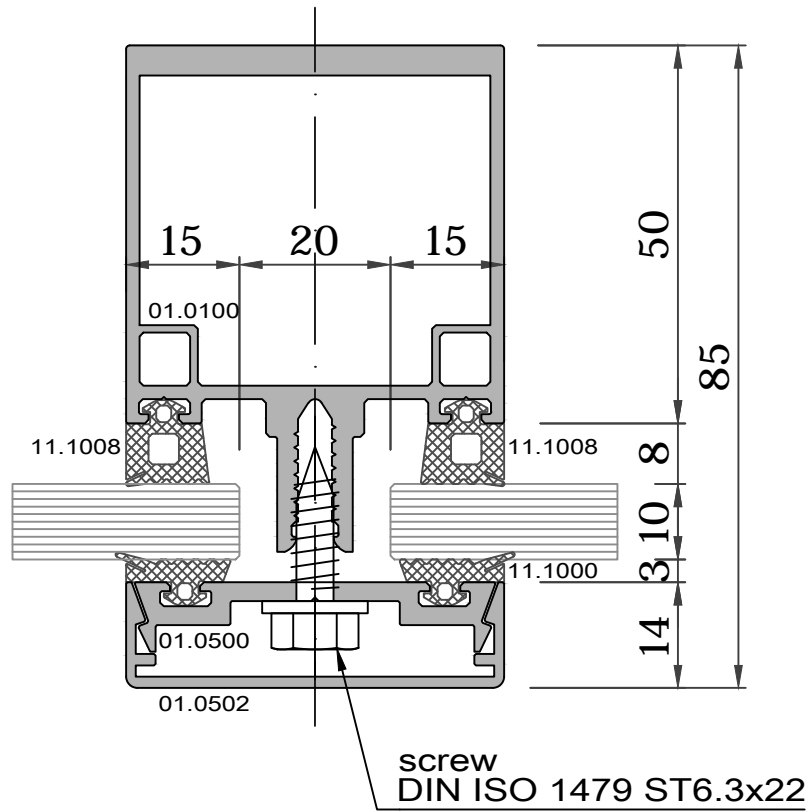
M 1:1

29

SYSTEM DETAILS

/COVER CAP FOR SINGLE GLASS 10 MM/

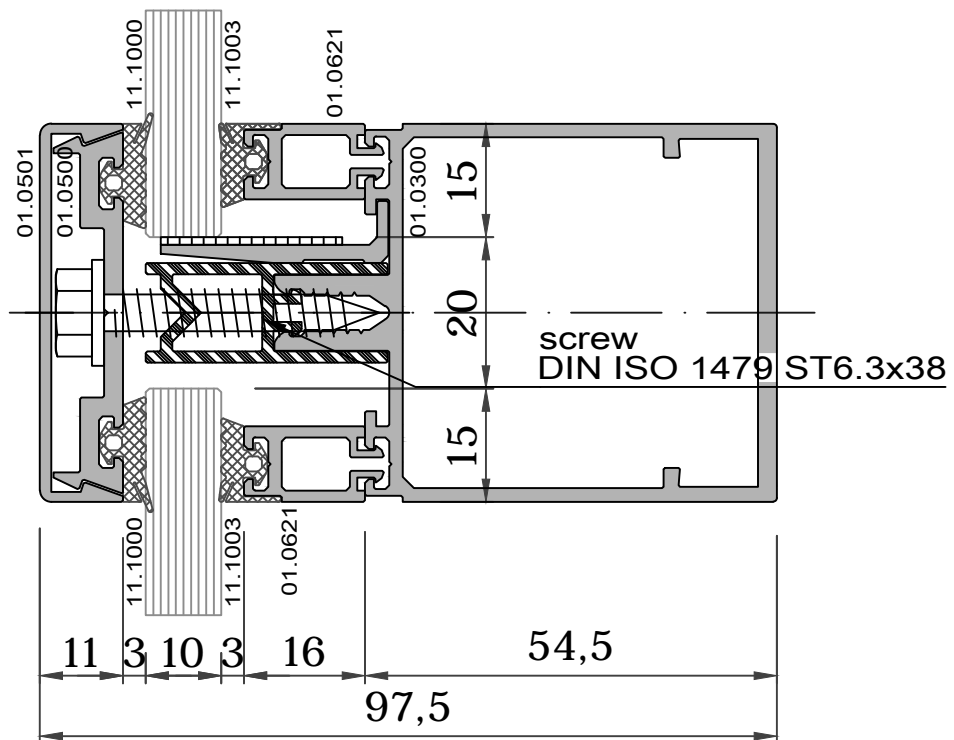
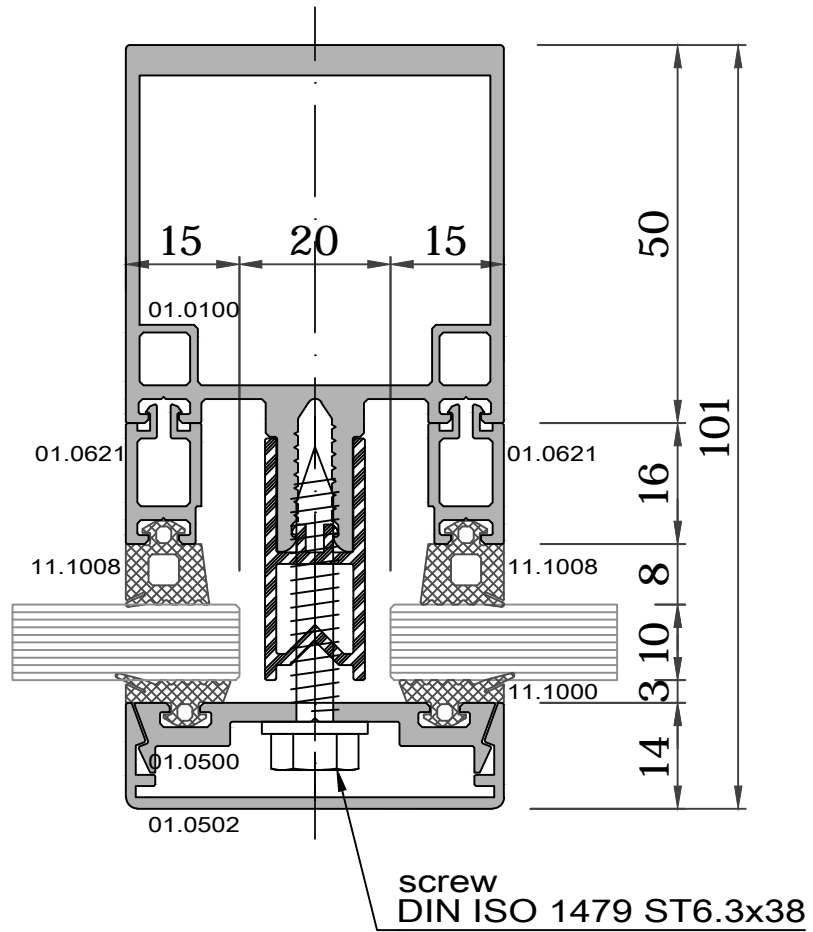
OPTION 1



SYSTEM DETAILS

/COVER CAP FOR SINGLE GLASS 10 MM/

SECTIONS
OPTION 2



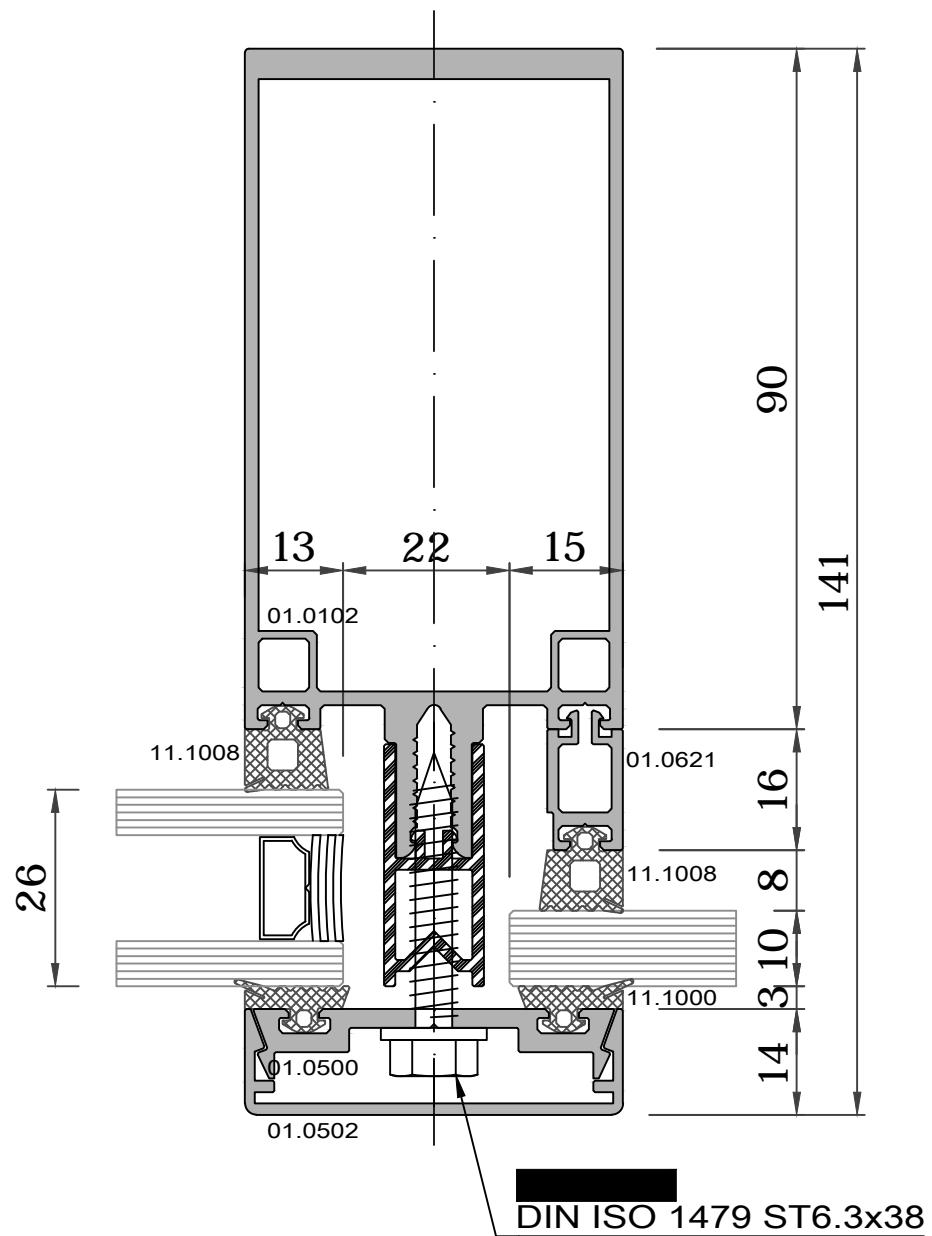
M 1:1

31

SYSTEM DETAILS

/COVER CAP FOR SINGLE GLASS 10 MM/
SECTIONS

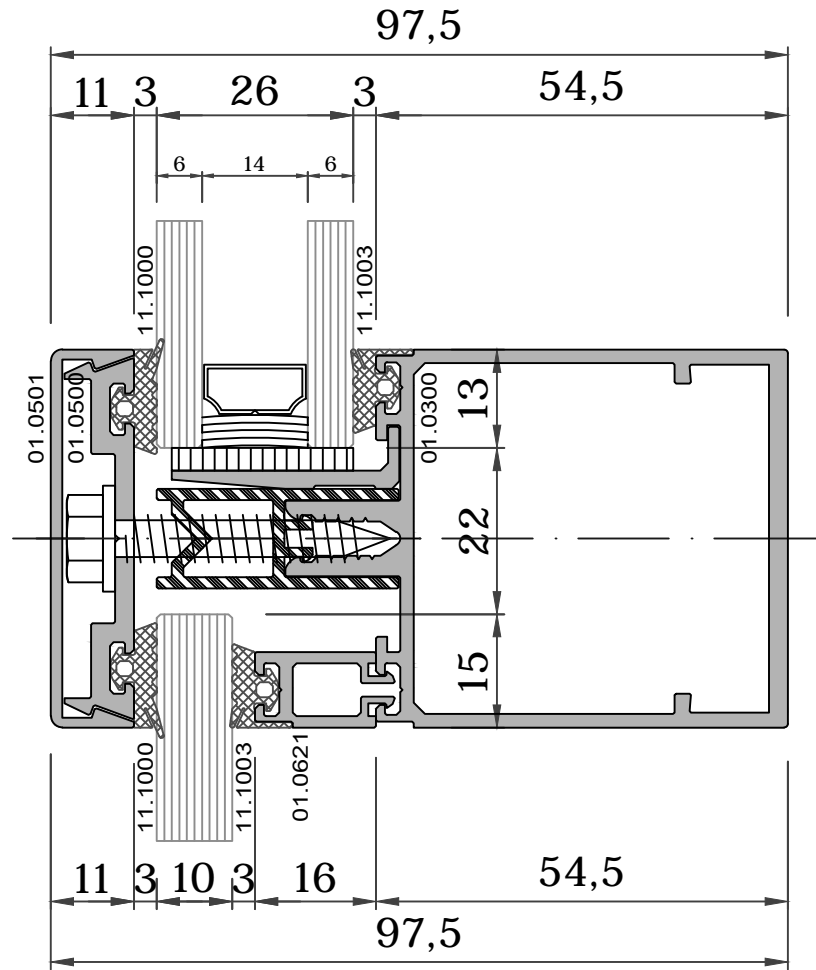
COMBINATION BETWEEN GLAZING AND SINGLE GLASS



SYSTEM DETAILS

/COVER CAP FOR SINGLE GLASS 10 MM/
SECTIONS

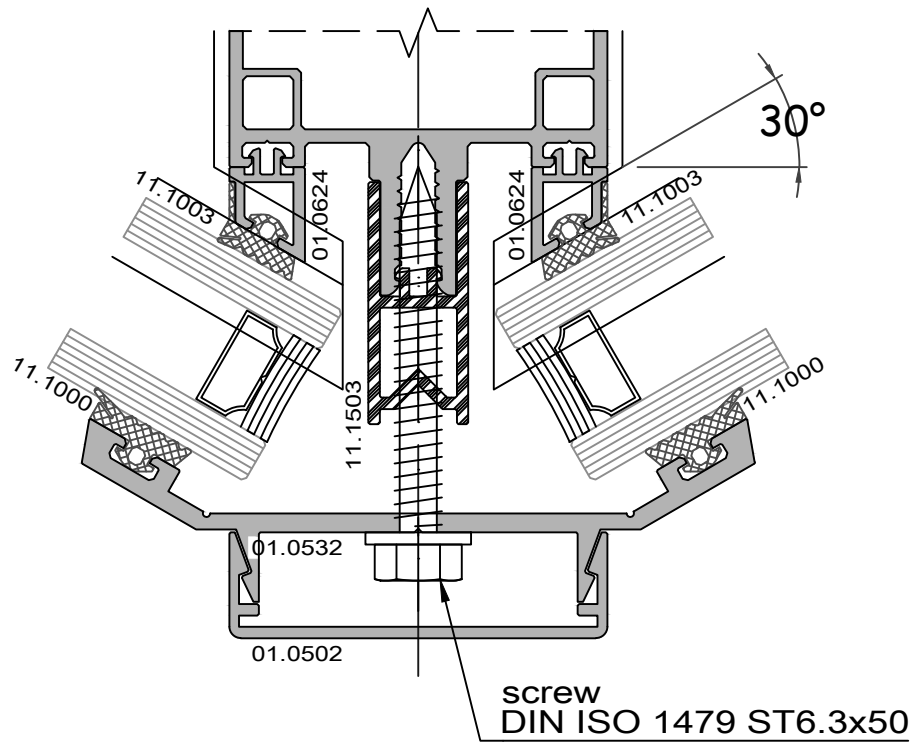
COMBINATION BETWEEN GLAZING AND SINGLE GLASS



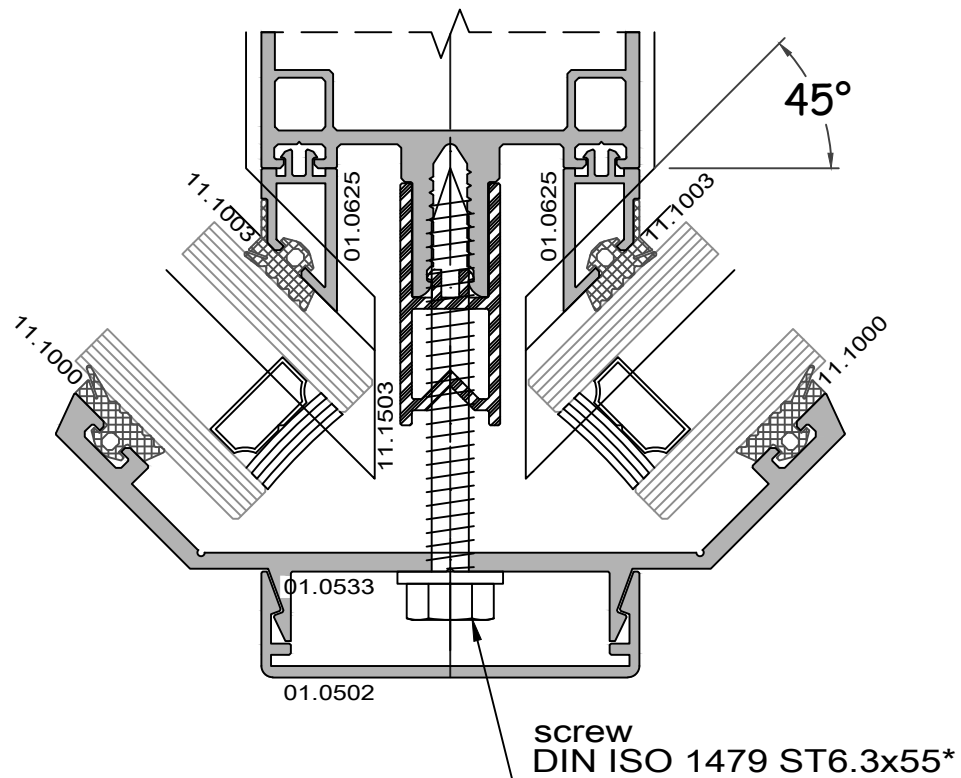
SYSTEM DETAILS

/ADDITIONAL PROFILES IN POLYGONAL FACADE STRUCTURE/

15° - 30°

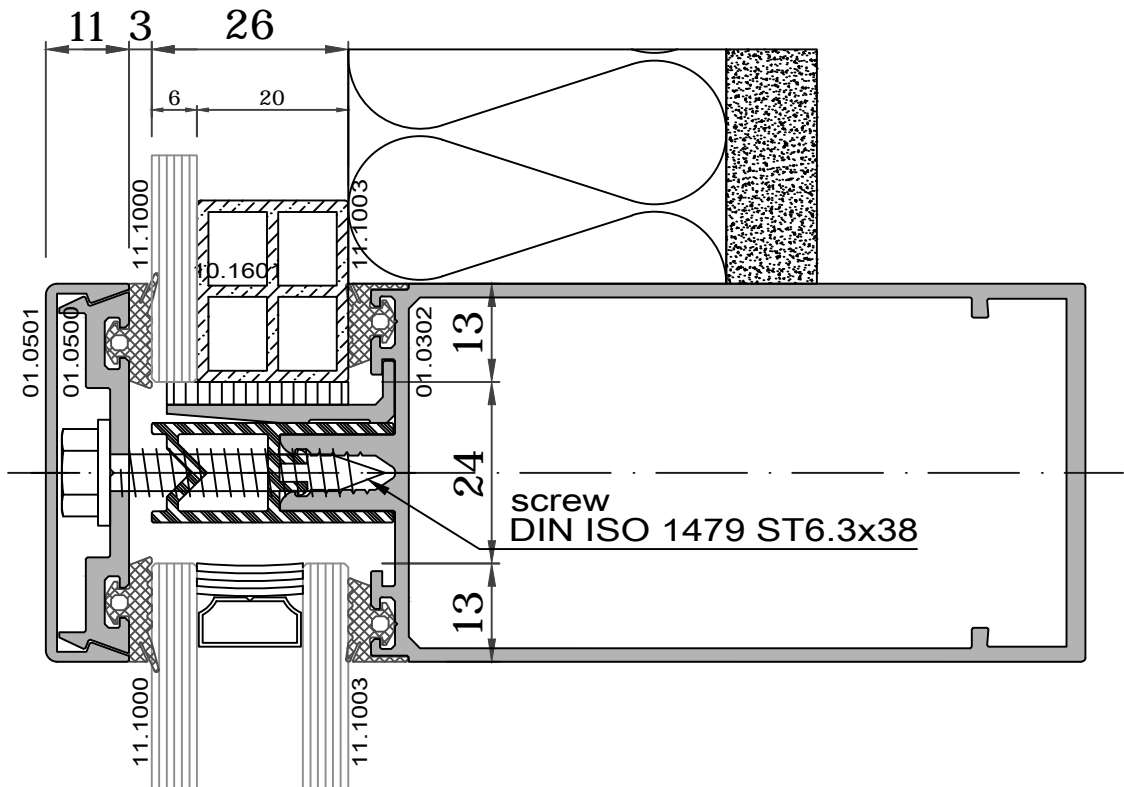
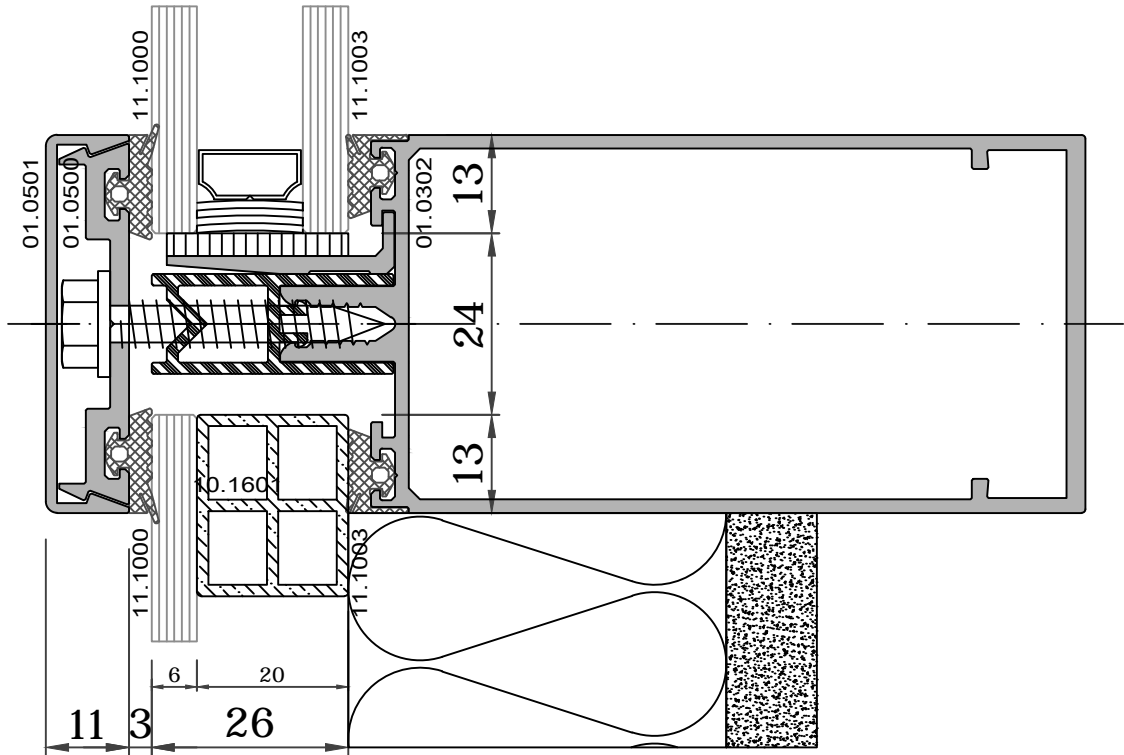


30° - 45°



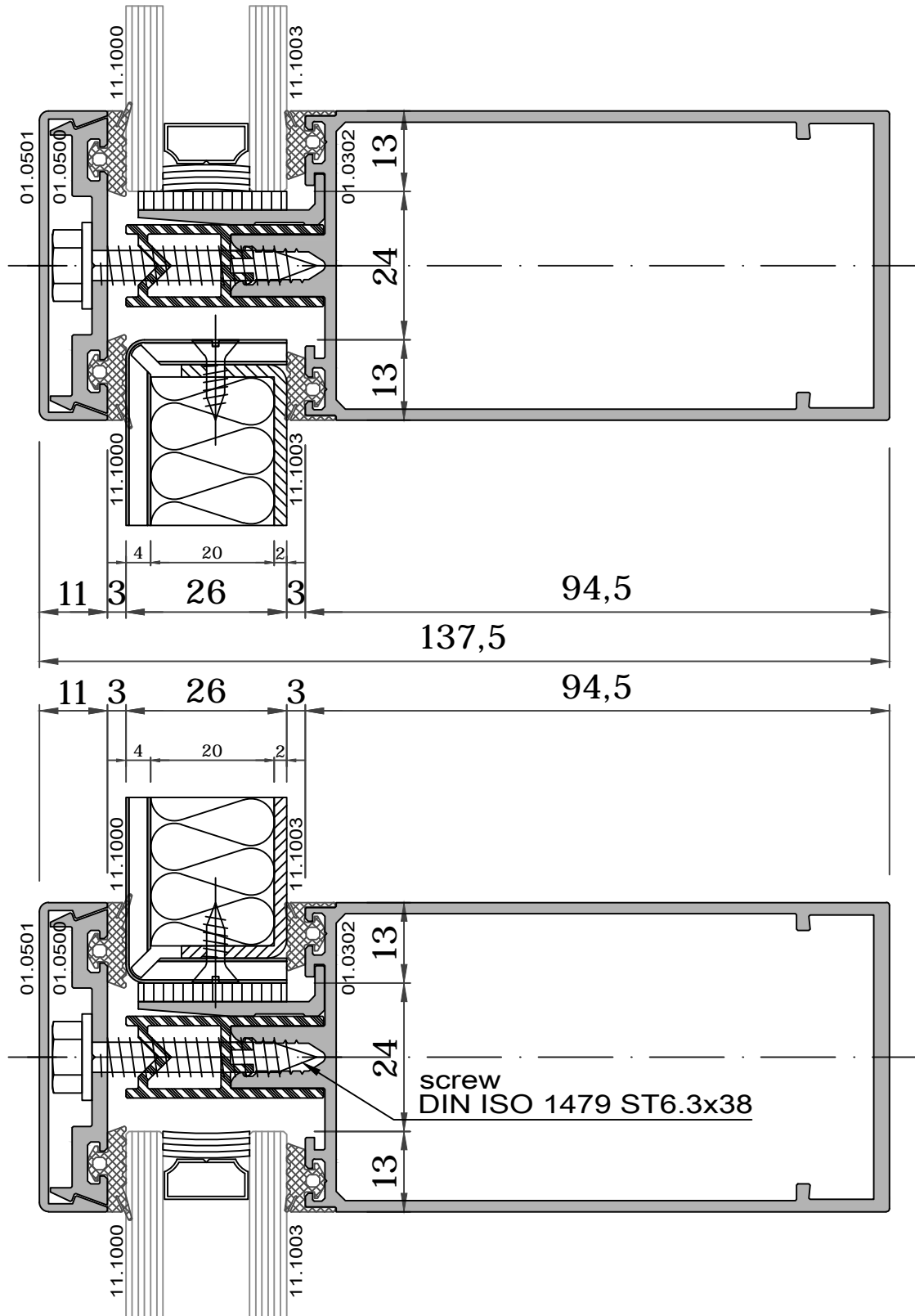
SYSTEM DETAILS

/SOLID (BRYUSTUNG) ZONE, SINGLE GLASS/
SECTIONS



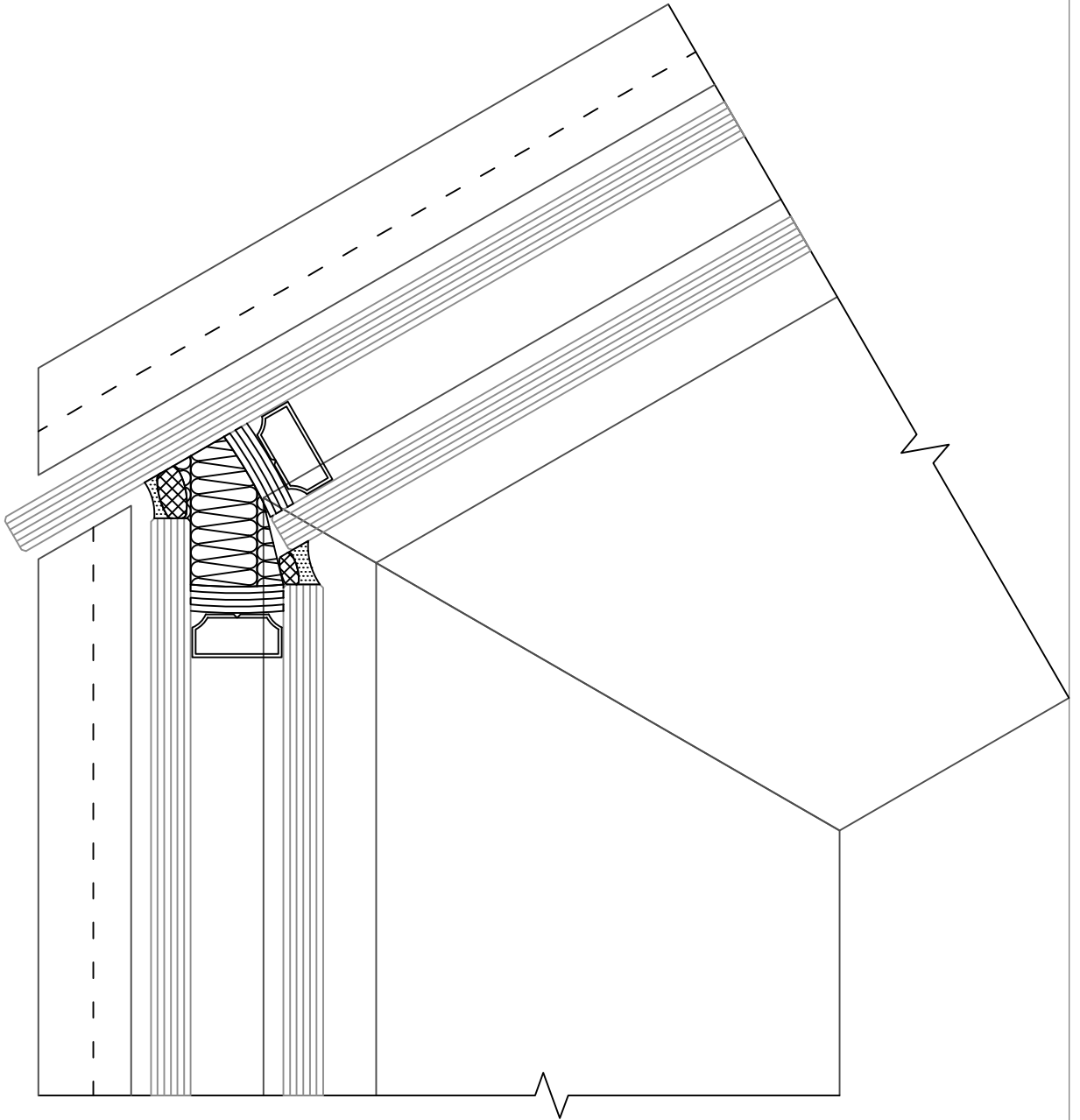
SYSTEM DETAILS

/SOLID (BRYUSTUNG) ZONE, THERMO-INSULATION PANEL/
SECTIONS



SYSTEM DETAILS

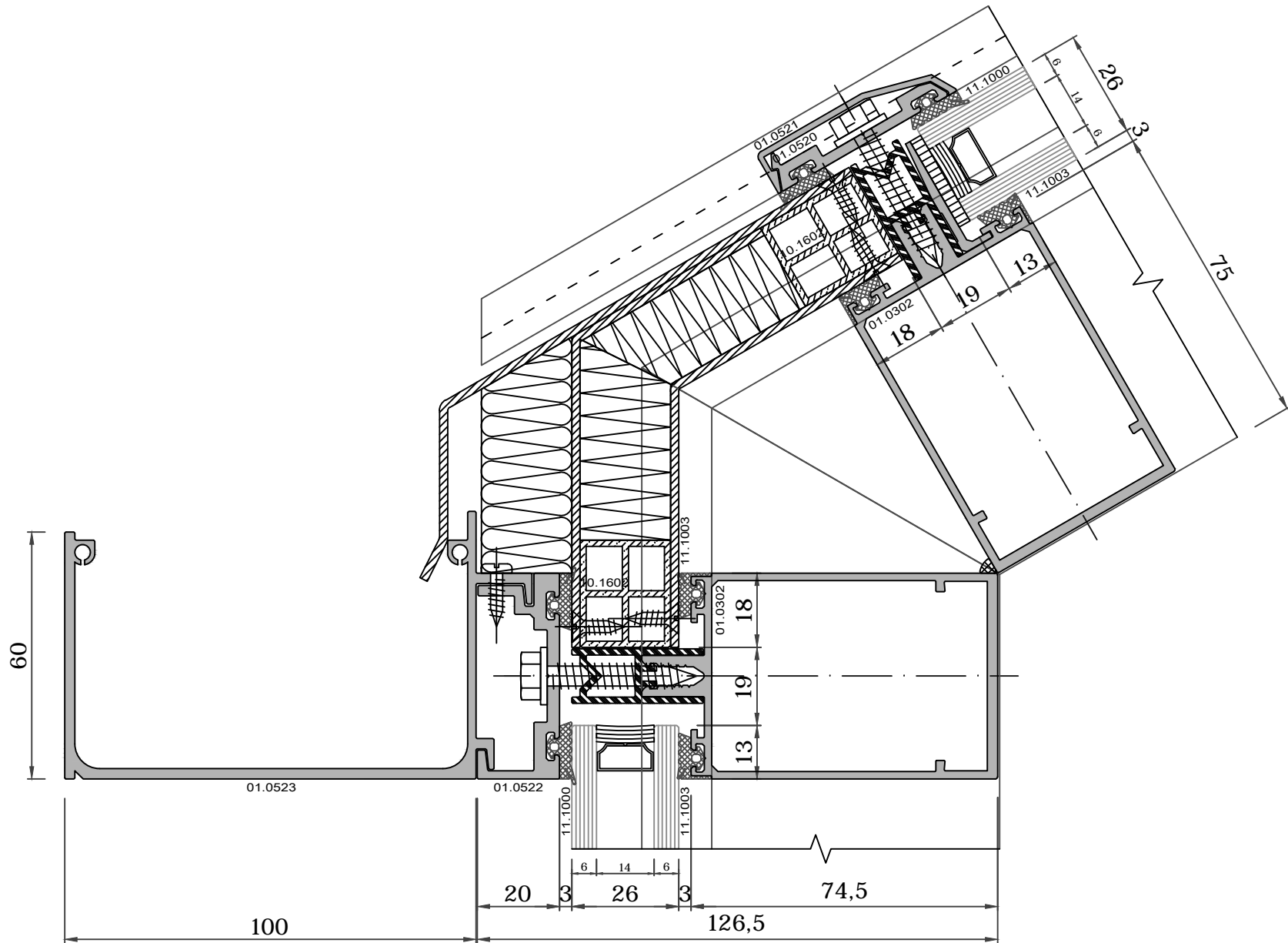
/A DETAIL OF CONSERVATORY WITHOUT RAINWATER PIPE /
SECTIONS



WARNING: THIS DETAIL CAN BE USED IN MOLDING-PLANE CURTAIN WALLS

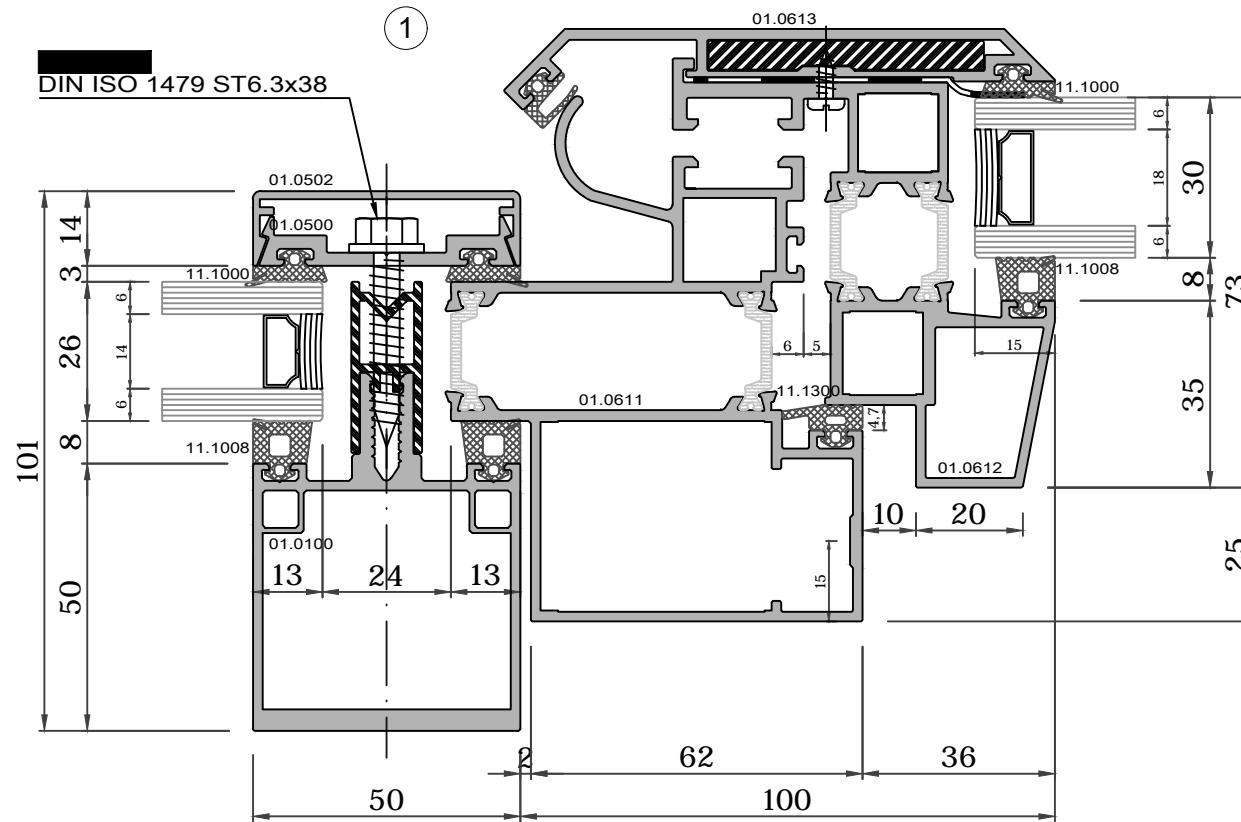
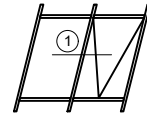
SYSTEM DETAILS

/A DETAIL OF RAINWATER PIPE FOR CONSERVATORY/
SECTIONS



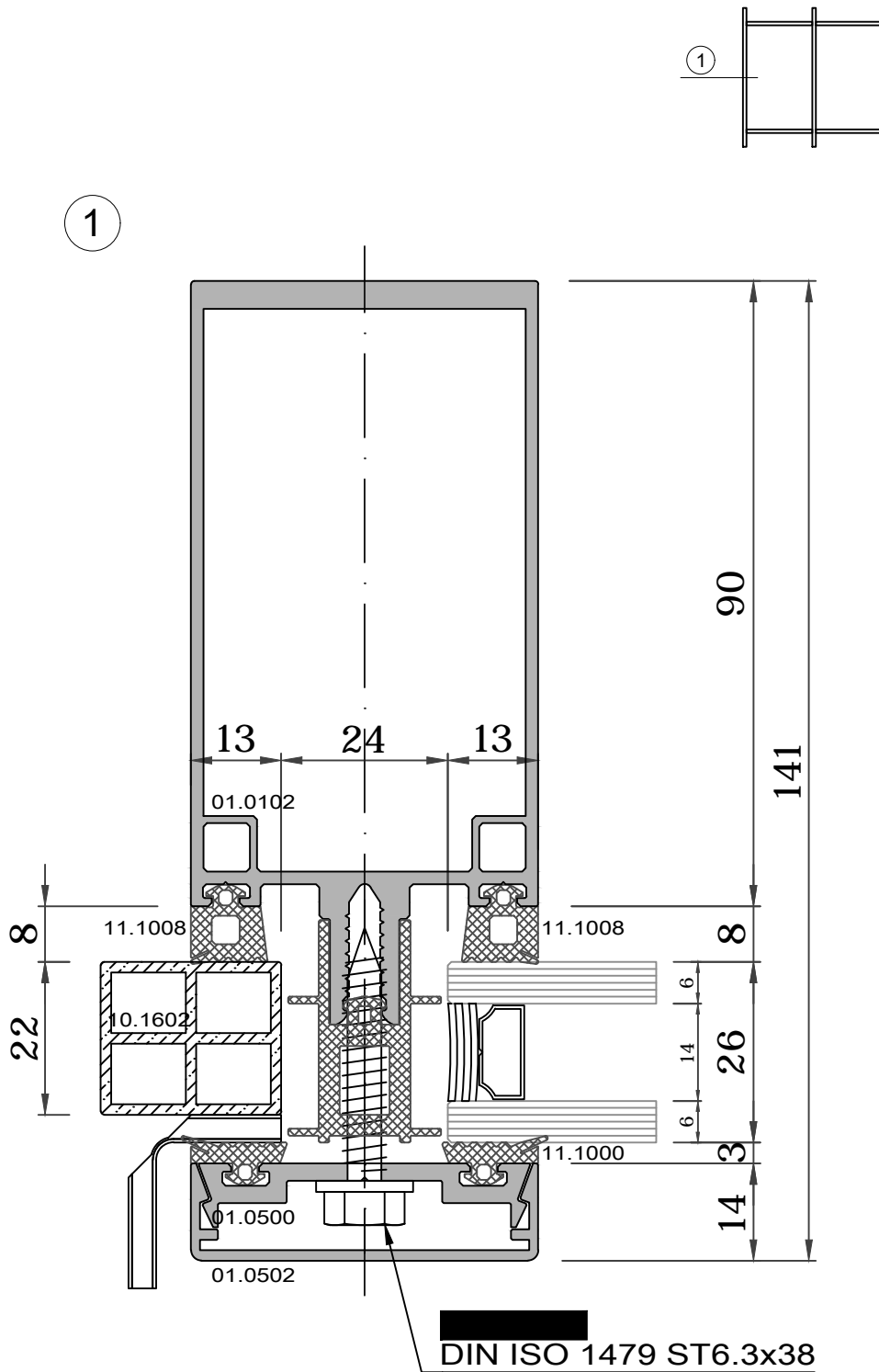
SYSTEM DETAILS

/DORMER WINDOW/
SECTIONS



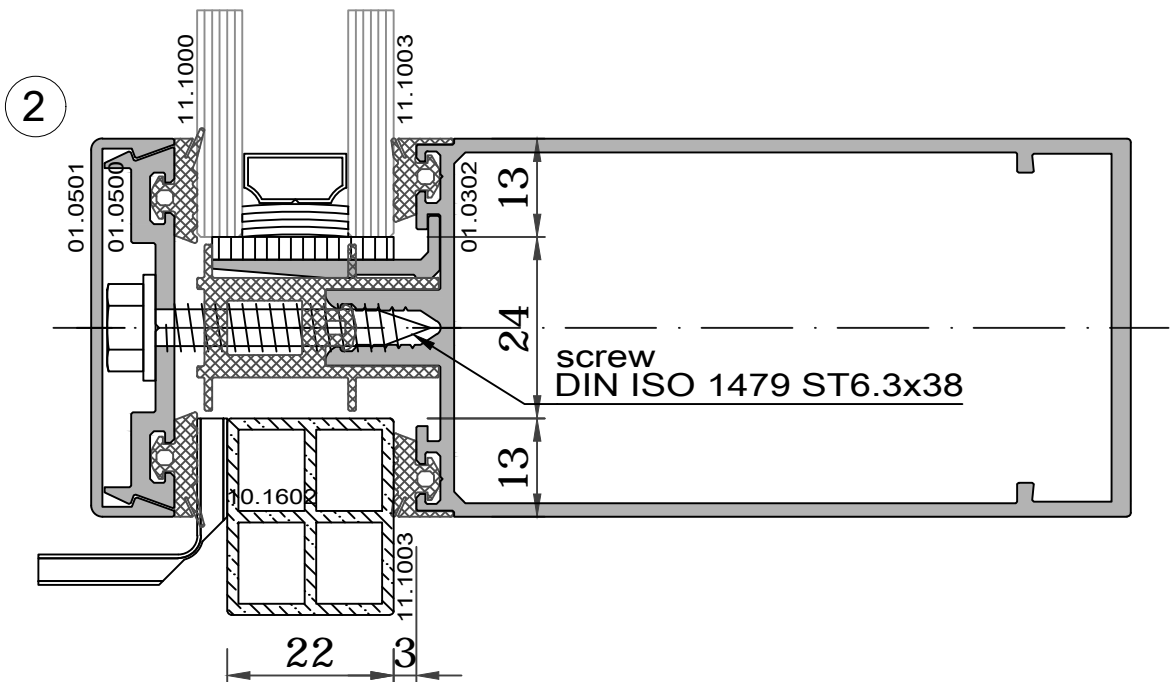
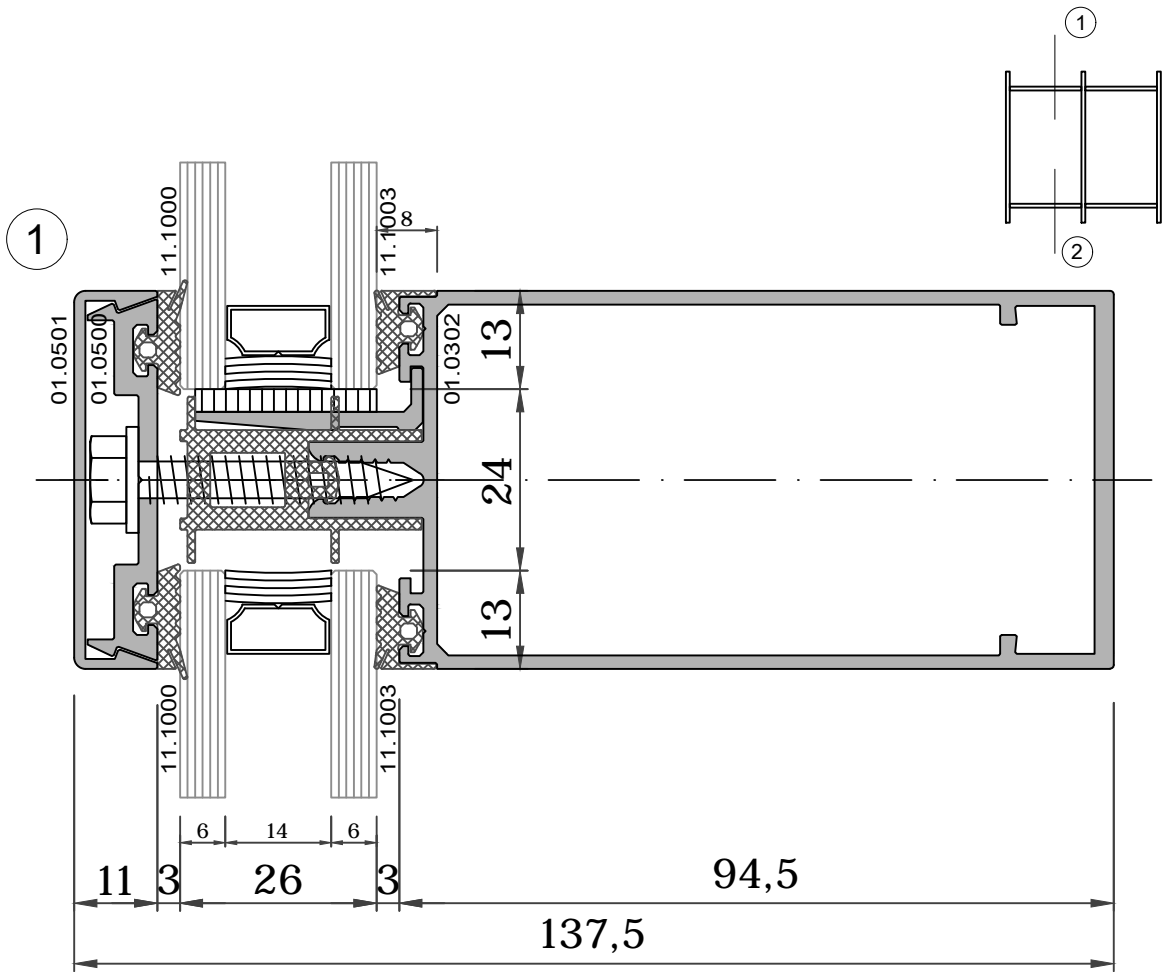
SYSTEM DETAILS

/COVER CAP, GLAZING 26 MM/
SECTIONS



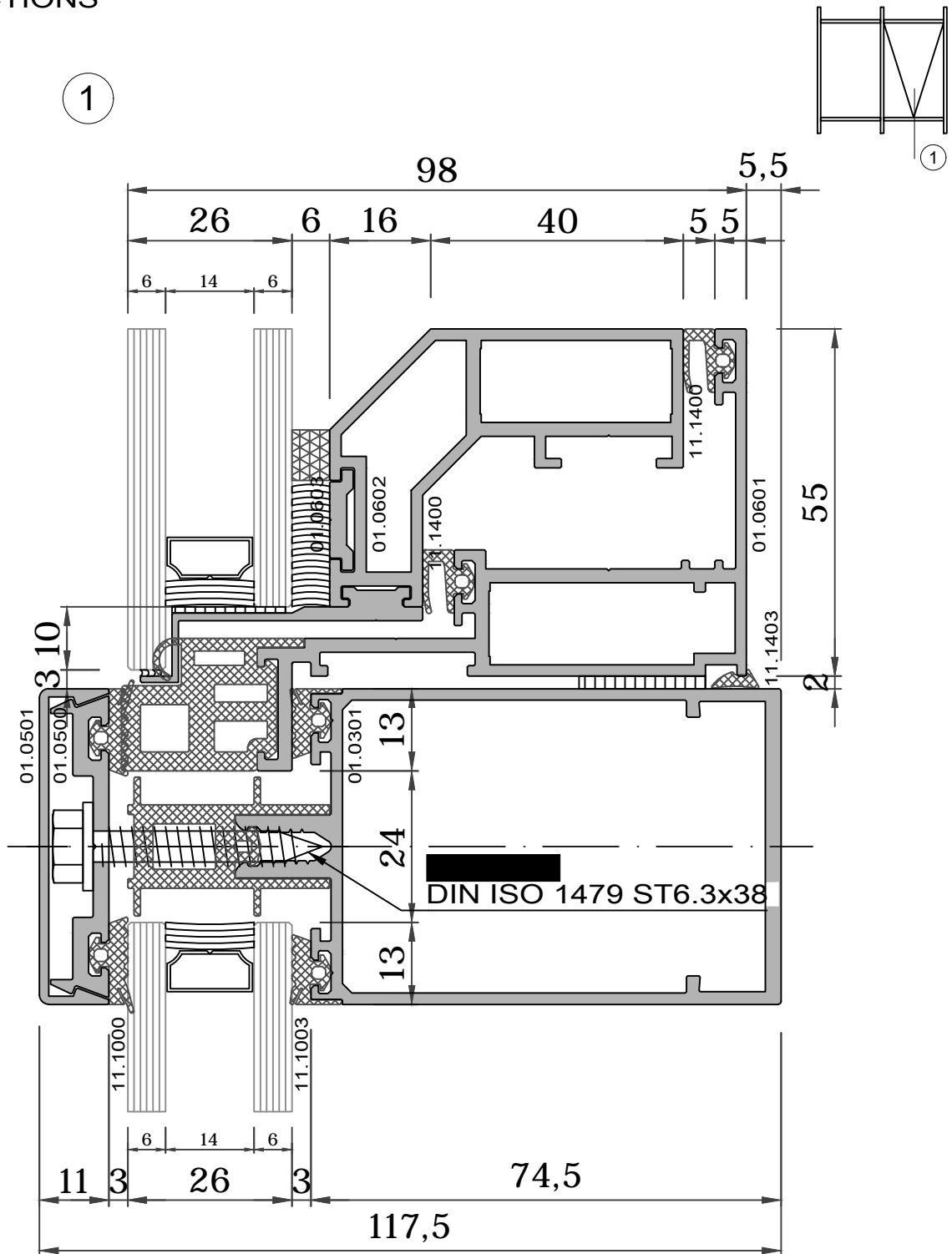
SYSTEM DETAILS

/COVER CAP, GLAZING 26 MM/
SECTIONS



SYSTEM DETAILS

/COVER CAP FOR OUTWARDS PROJECTING WINDOW/
SECTIONS

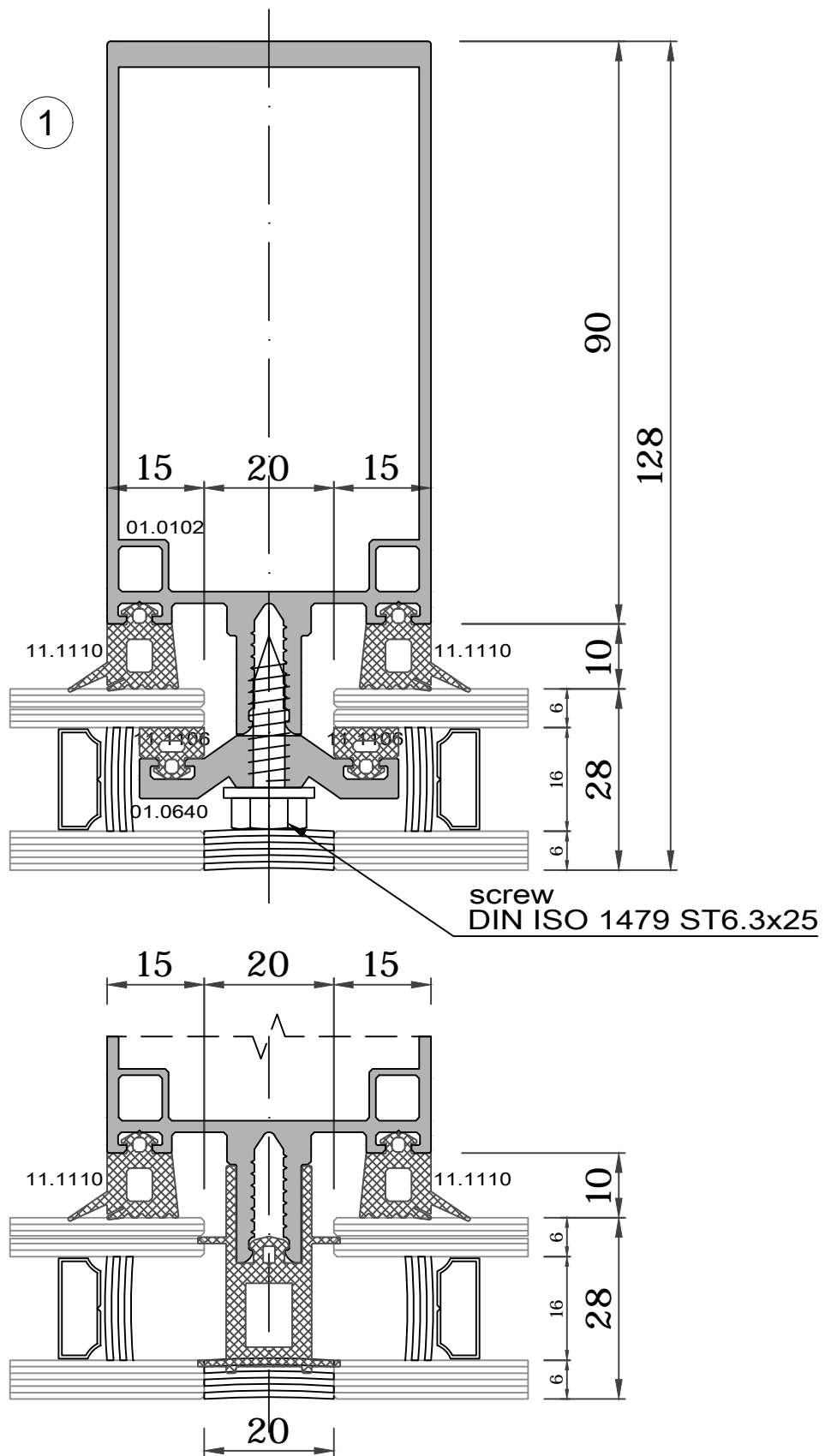
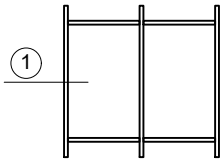


THE TRANSOM SIZE IN OUTWARDS PROJECTING WINDOW IS MINIMUM 74.5 mm - 01.0301

SYSTEM DETAILS

/GLAZING CONSTRUCTION FOR STRUCTURAL GLAZING 28 mm /

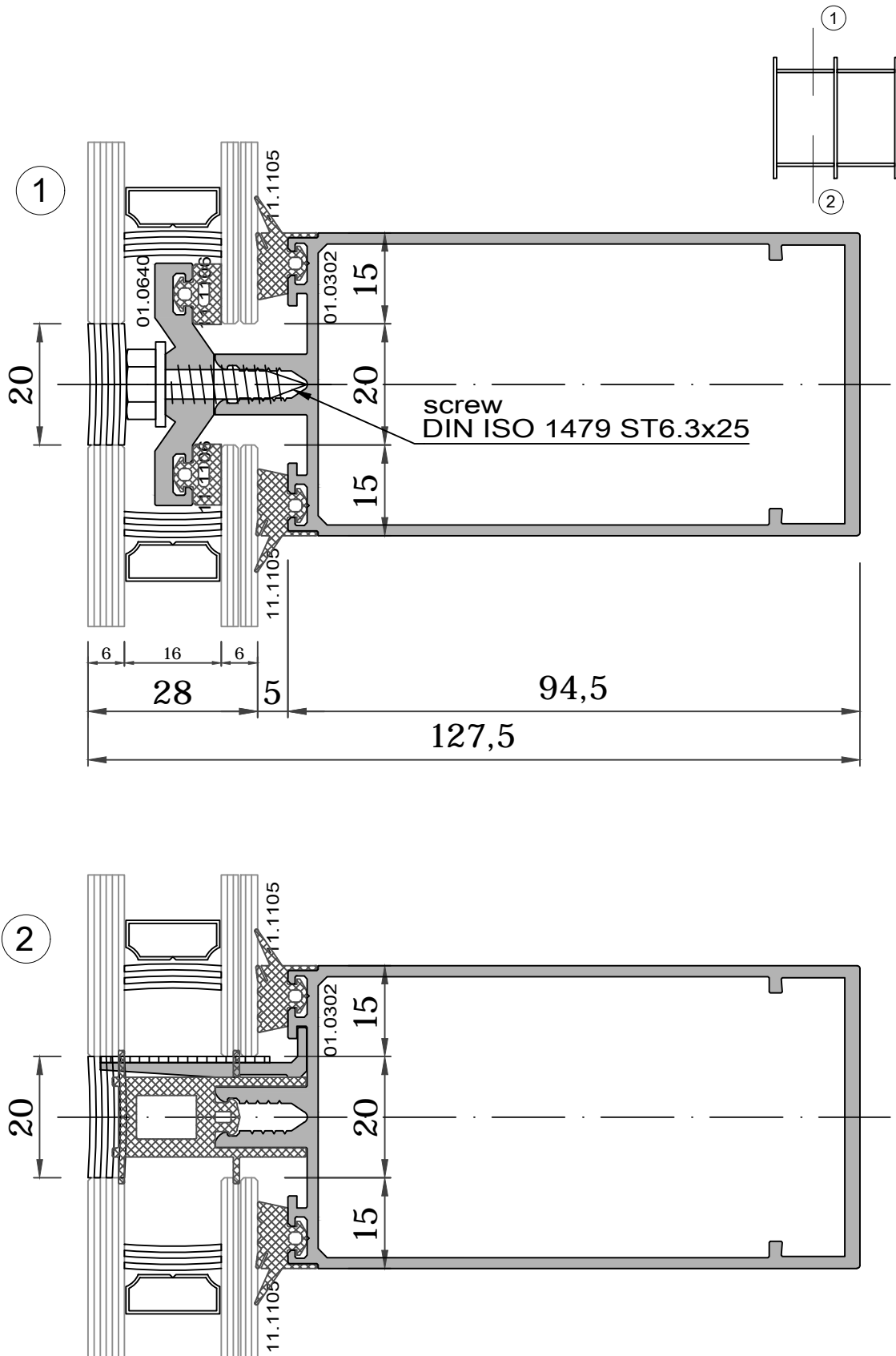
OPTION 1
SECTIONS



SYSTEM DETAILS

/GLAZING CONSTRUCTION FOR STRUCTURAL GLAZING 28 mm/

OPTION 1
SECTIONS

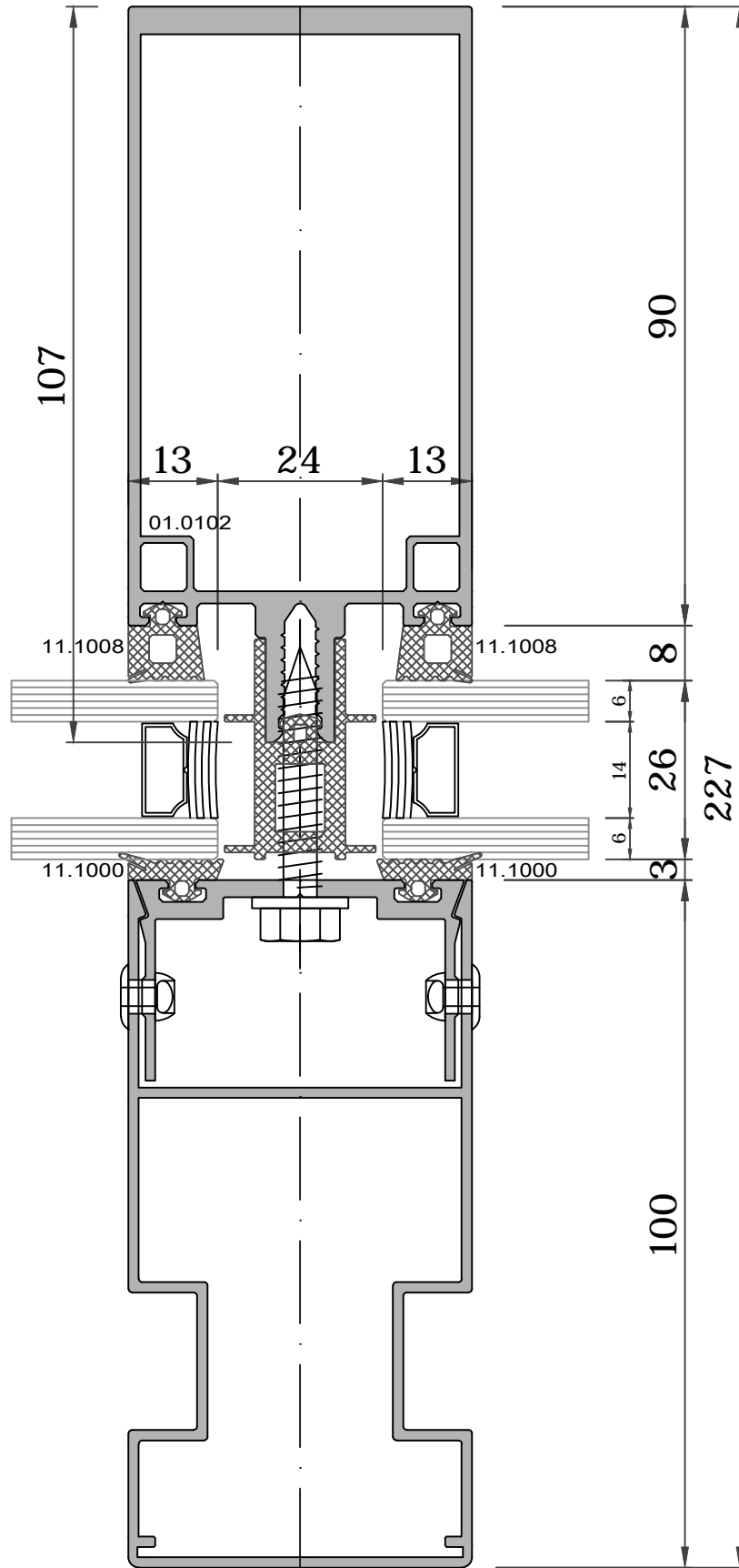


M 1:1

50

SYSTEM DETAILS

/COVER CAP, GLAZING 26 MM/
SECTIONS

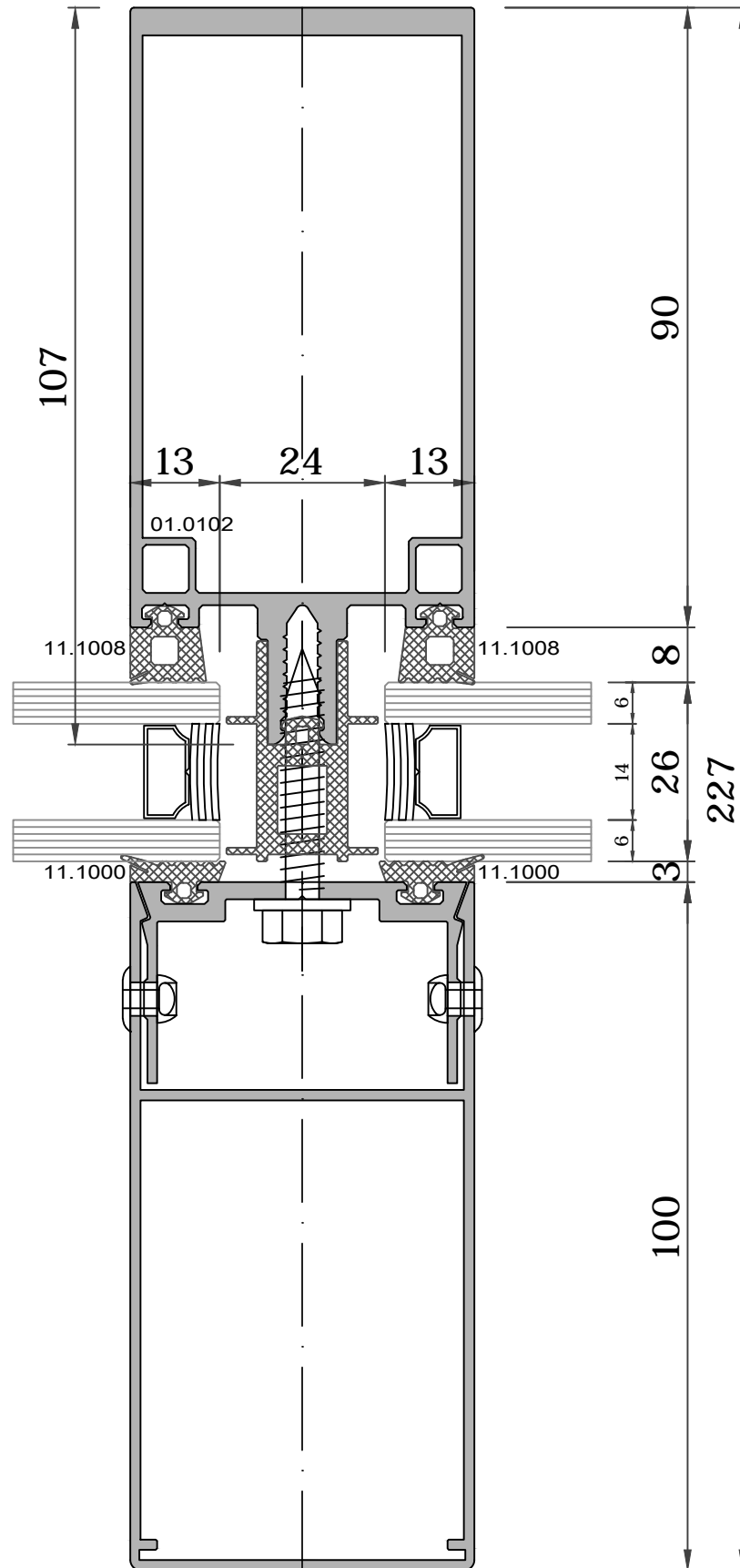


M 1:1

51

SYSTEM DETAILS

/COVER CAP, GLAZING 26 MM/
SECTIONS



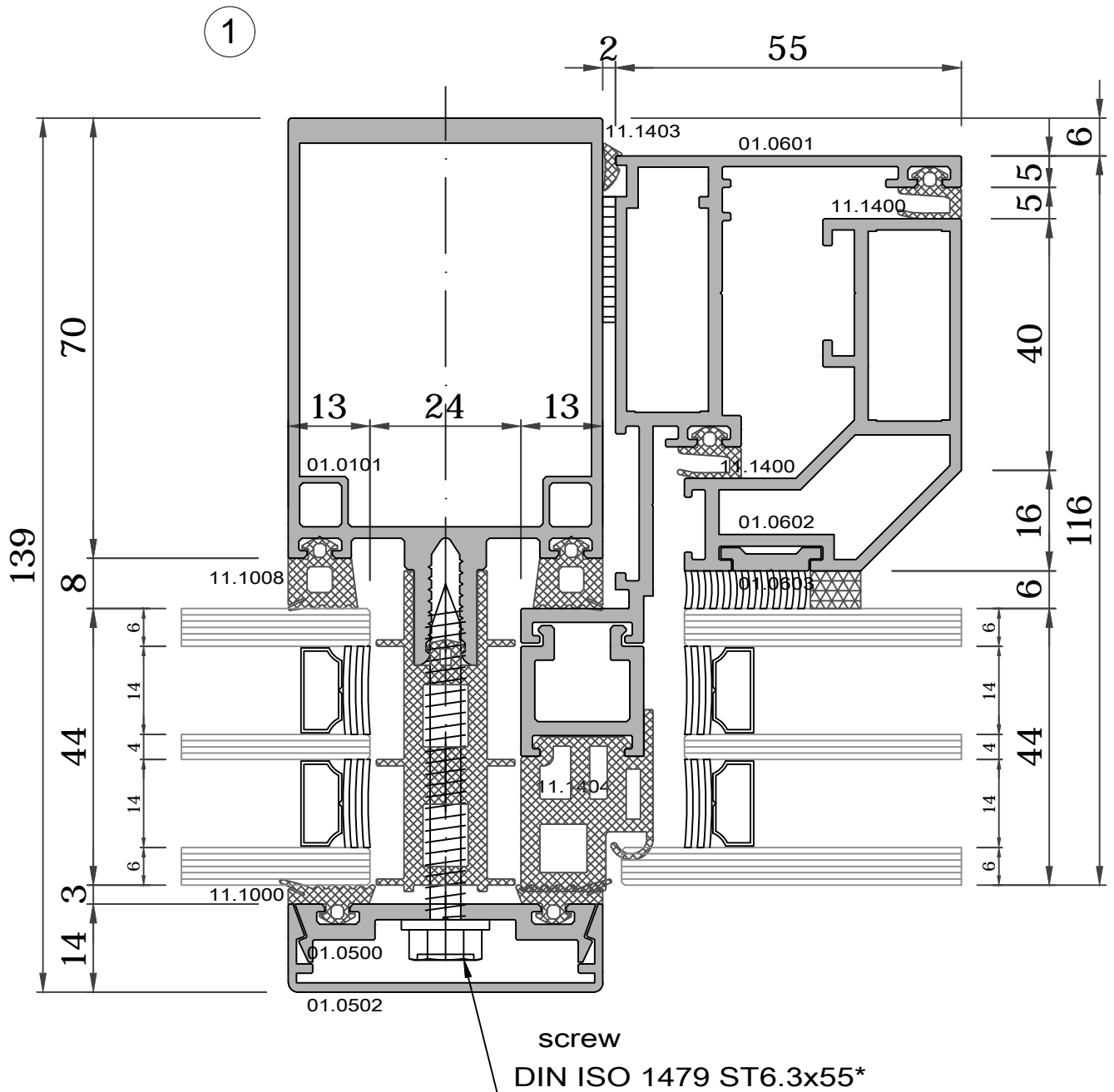
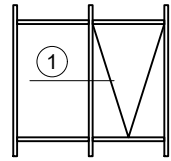
M 1:1

52

SYSTEM DETAILS

/COVER CAP FOR OUTWARDS PROJECTING WINDOW/

SECTIONS



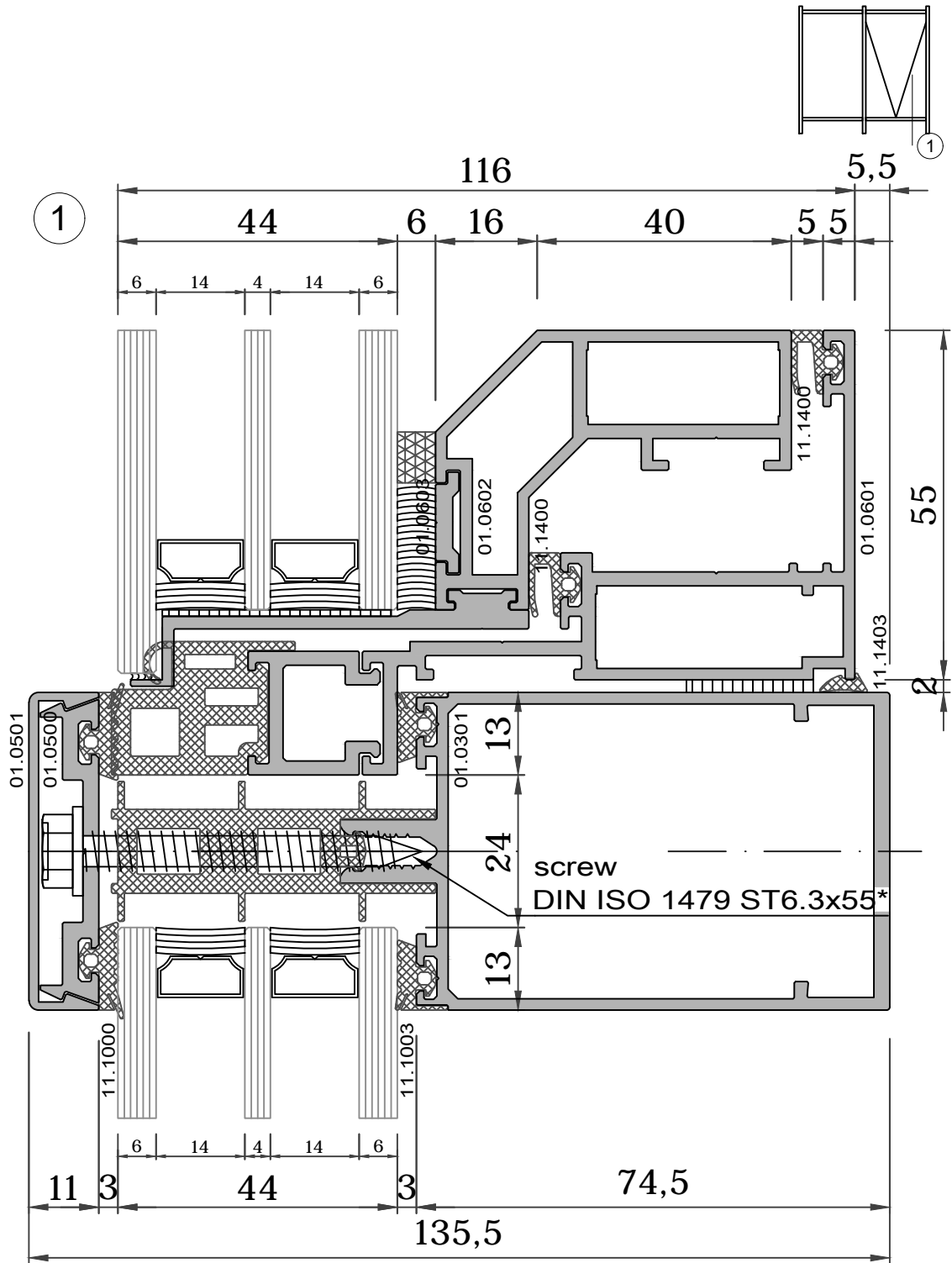
M 1:1

55

SYSTEM DETAILS

/COVER CAP FOR OUTWARDS PROJECTING WINDOW/

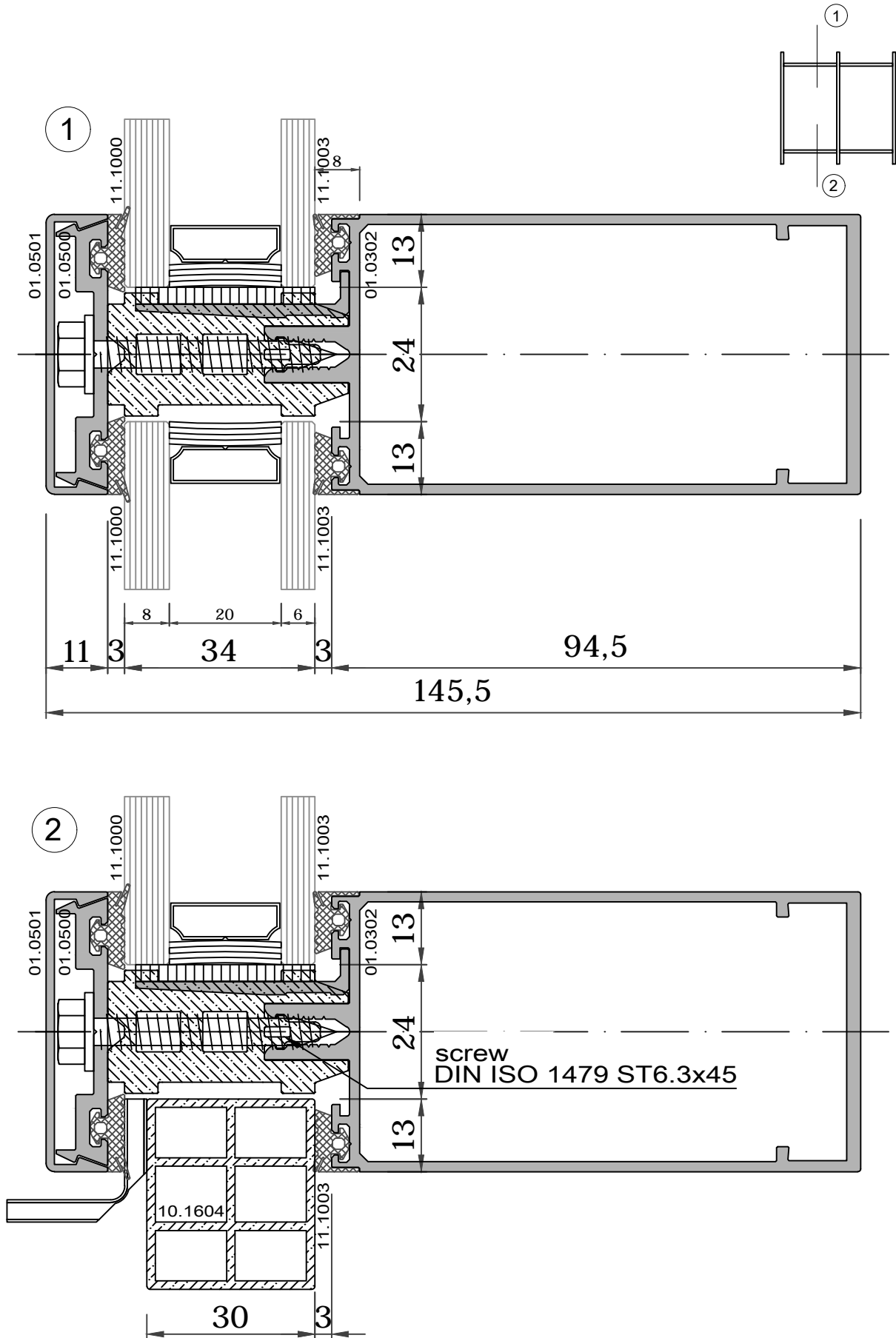
SECTIONS



SYSTEM DETAILS

/COVER CAP, GLAZING 34 mm/

SECTIONS



M 1:1

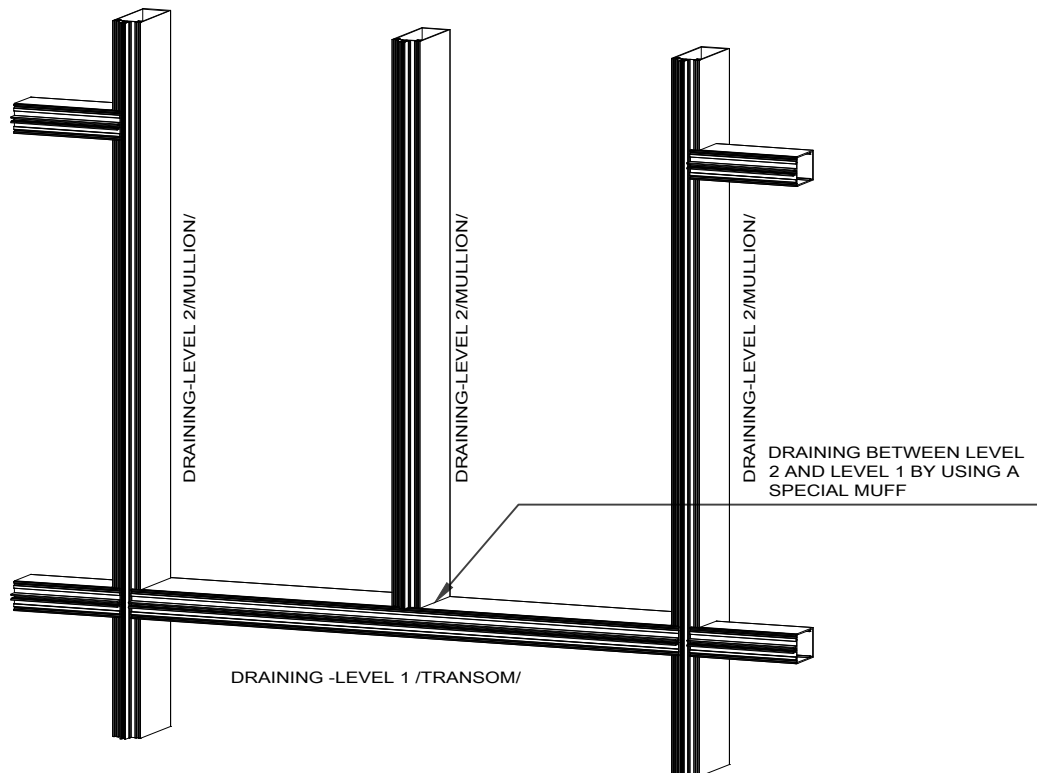
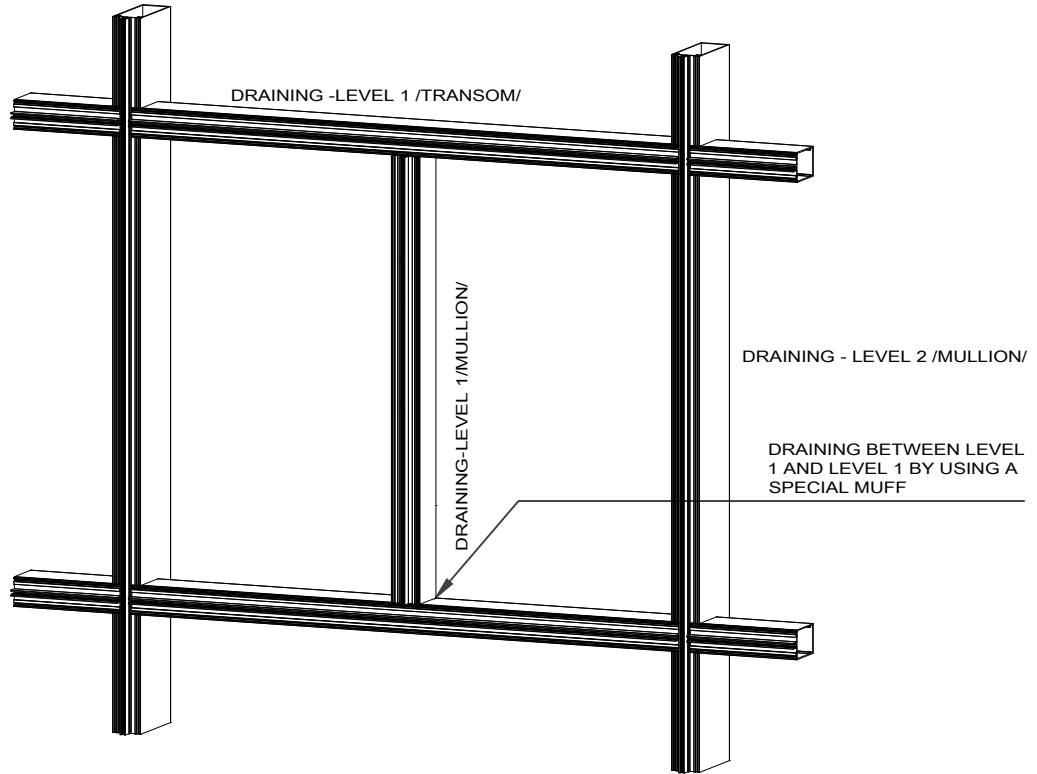
58

CW 50
FACADE SYSTEM

TECHNICAL DETAILS

TECHNICAL DETAILS

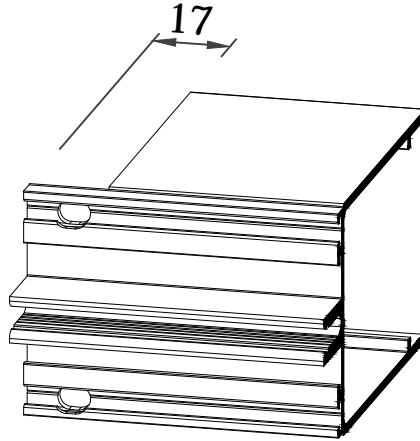
/PLAN OF THE COMPONENTS AND DRAINING/



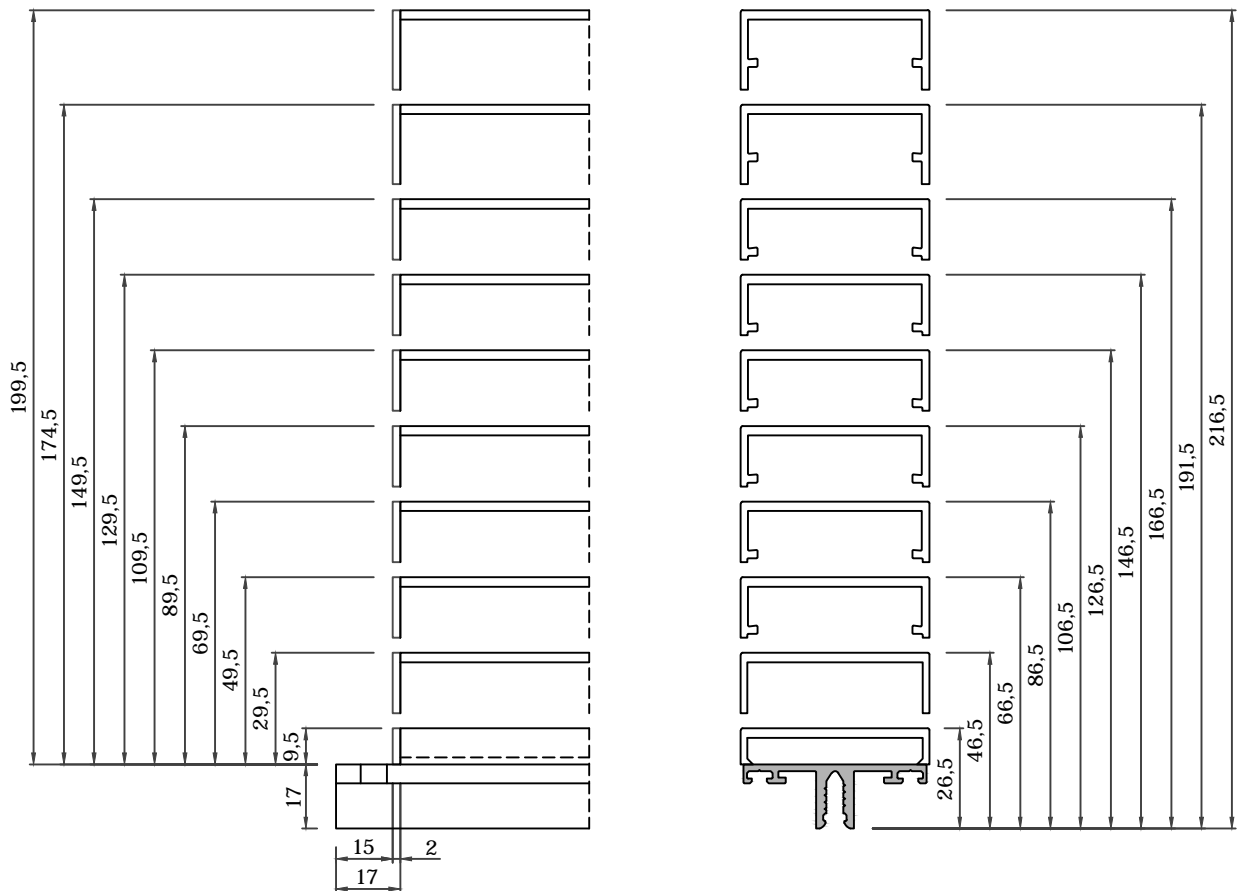
TECHNICAL DETAILS

/TRANSOM MACHINING/

THE GENERAL SHAPE OF A MILLED UNIT



MILLING DIMENSIONS



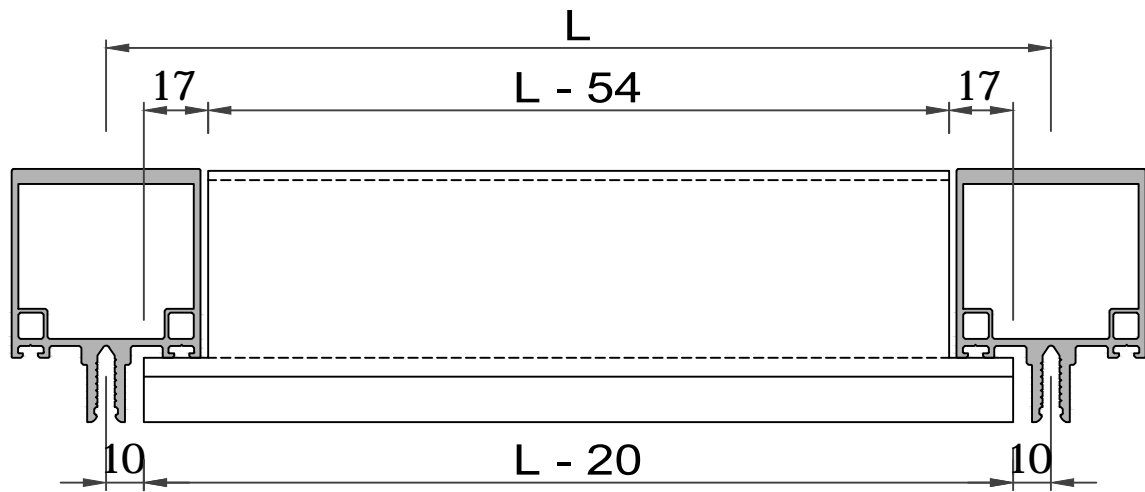
VIEW FROM ABOVE
WHEN NO EPDM MUFF IS USED, THE TOTAL DEPTH OF THE MILLING IS 15 mm (NOT RECOMMENDED).
THE MILLING MACHINE SHOULD BE FIXED CAREFULLY, SO IT DOES NOT DAMAGE THE FRONT SIDE
OF THE ELEMENT.

TECHNICAL DETAILS

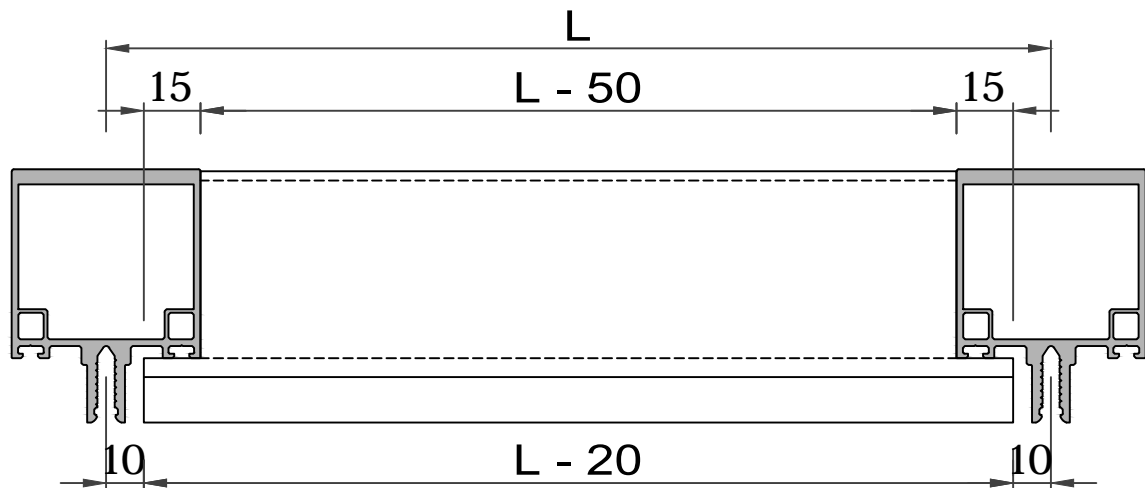
/TRANSOM CUTTING OUT/

THE OUTER EDGE LENGTH OF THE TRANSOM IS A CENTRELINE DIMENSION $L-20\text{mm}$.
THE OUTER EDGE LENGTH DEPENDS ON THE USE OF AN EPDM MUFF BETWEEN THE MULLION
AND THE TRANSOM.

OPTION WITH AN EPDM MUFF



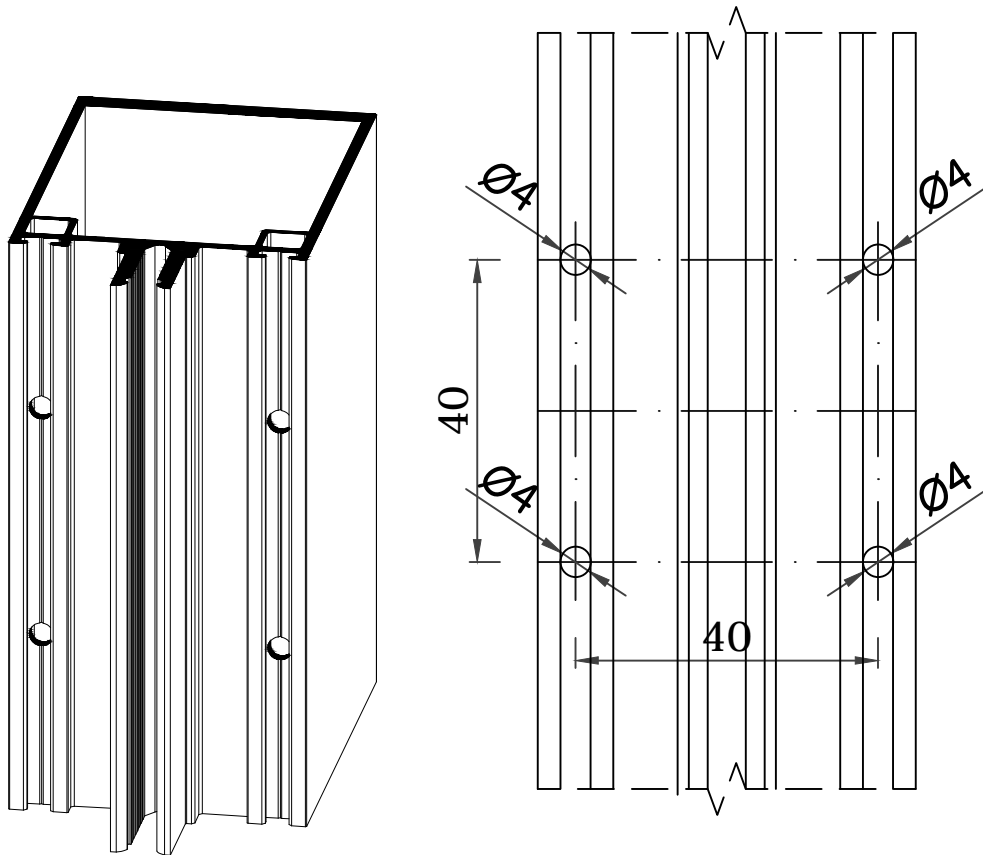
OPTION WITHOUT AN EPDM MUFF



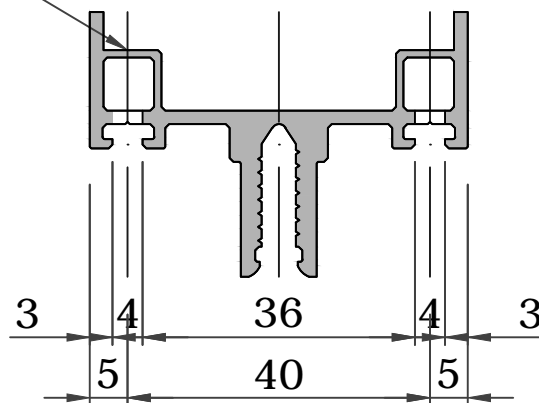
TECHNICAL DETAILS

/TRANSOM MACHINING/

FRONT HOLES FOR ATTACHING THE TRANSOM



DO NOT BORE/DRILL



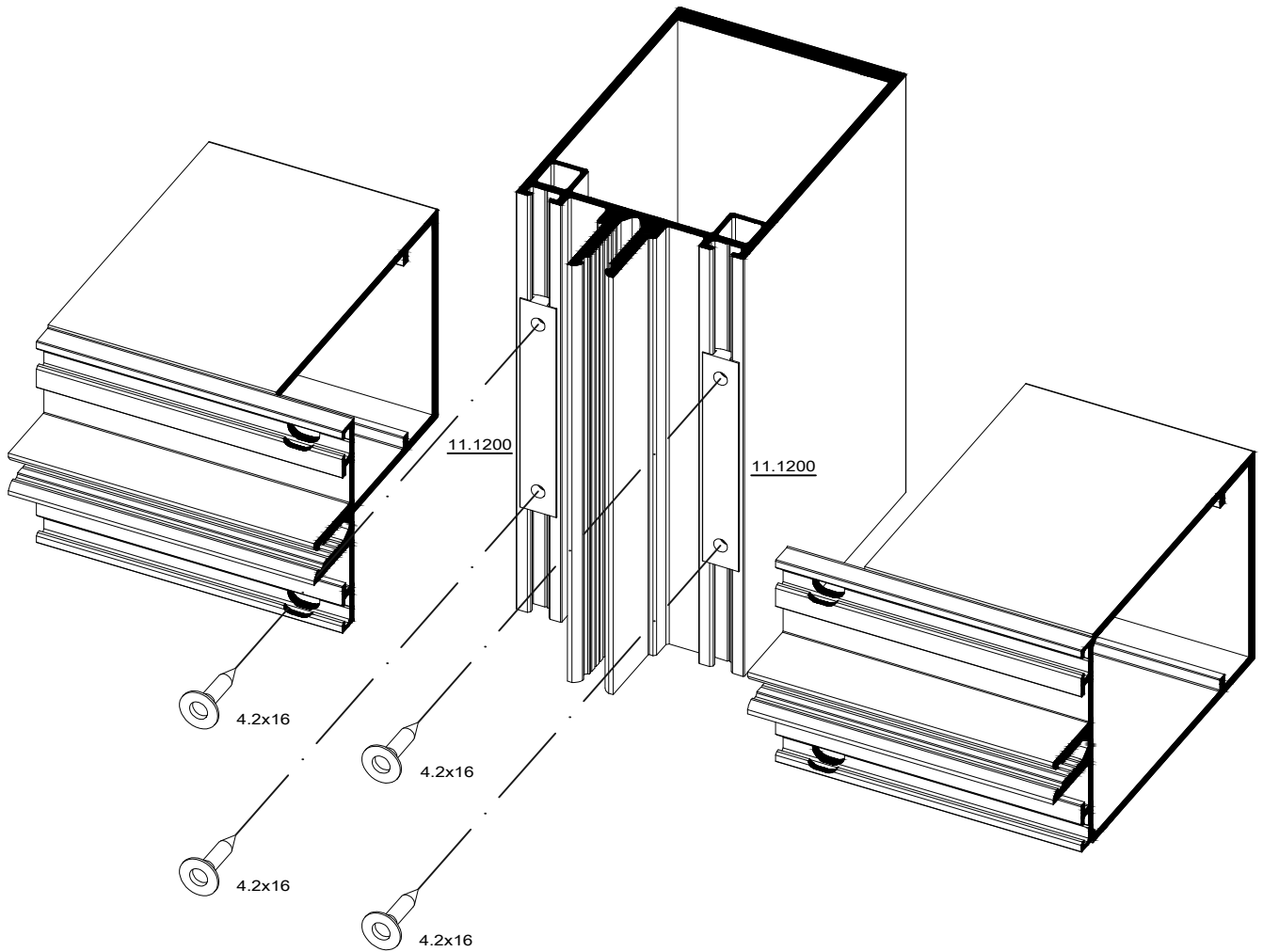
WHEN MAKING A CHANNEL FOR THE SCREWS, DO NOT DRILL HOLES ON THE TRANSOM'S BACK SIDE.

M 1:1

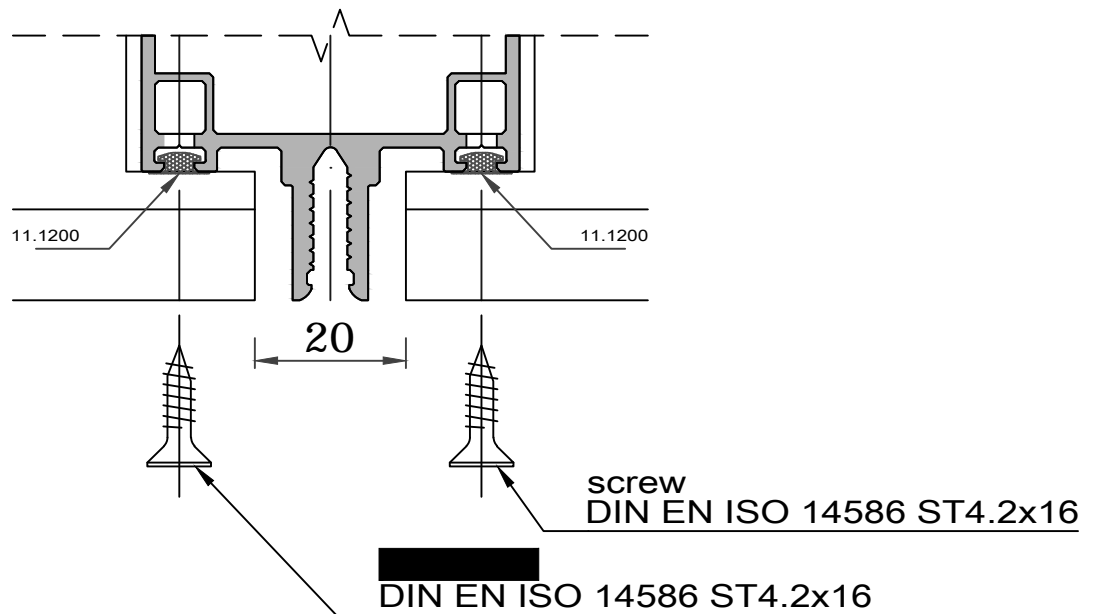
5

TECHNICAL DETAILS

/FRONT GASKET BETWEEN MULLION AND TRANSOM/



PLACING AN EPDM GASKET 11.1200 IS REQUIRED.
IF THERE IS NO GASKET SILICONE MUST BE USED.

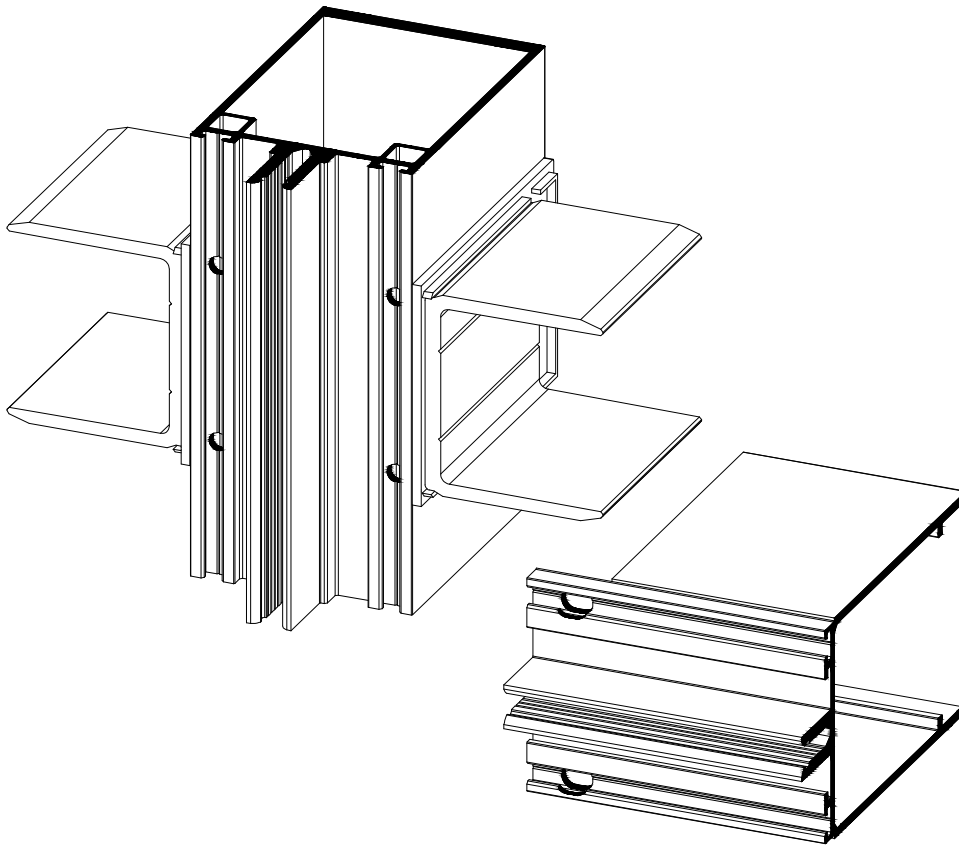


M 1:1

6

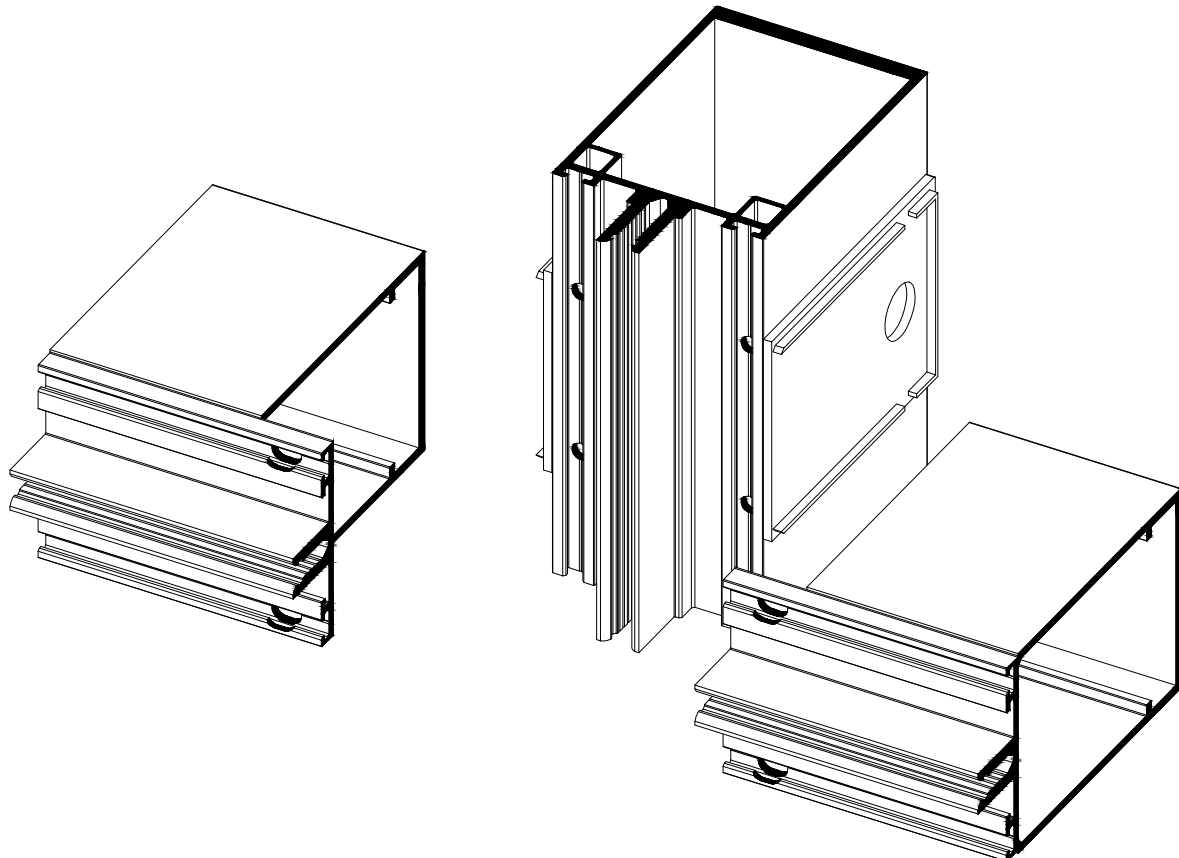
TECHNICAL DETAILS

/SIDE GASKET BETWEEN MULLION AND TRANSOM/



PLACING AN EPDM MUFF IS IN ORDER TO COVER SMALL INSTALLATION DEFECTS AND TO SUPPORT THE LINEAR THERMAL EXPANSION OF THE TRANSOM .

IT IS USED FOR ALL TYPES OF TRANSOM JOINTS, BUT ALSO CAN BE USED WITHOUT A TRANSOM JOINT.

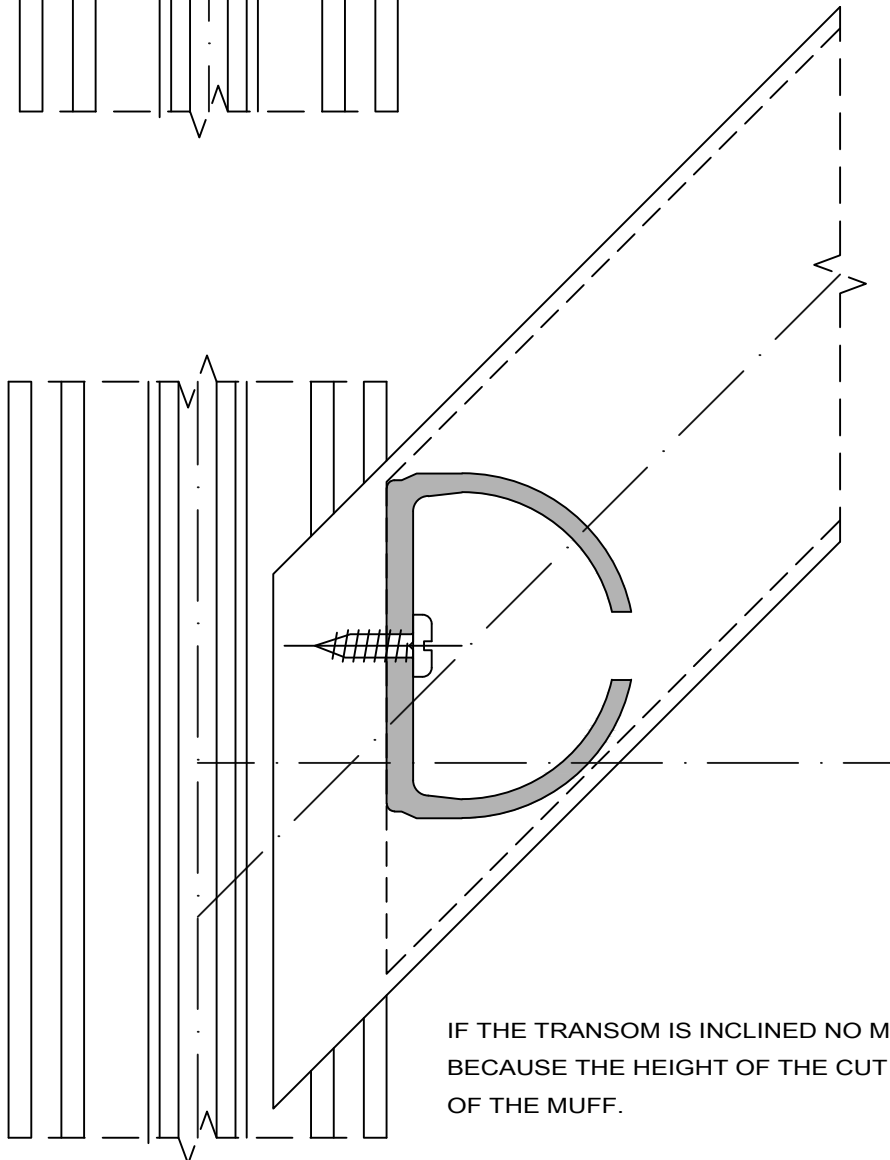
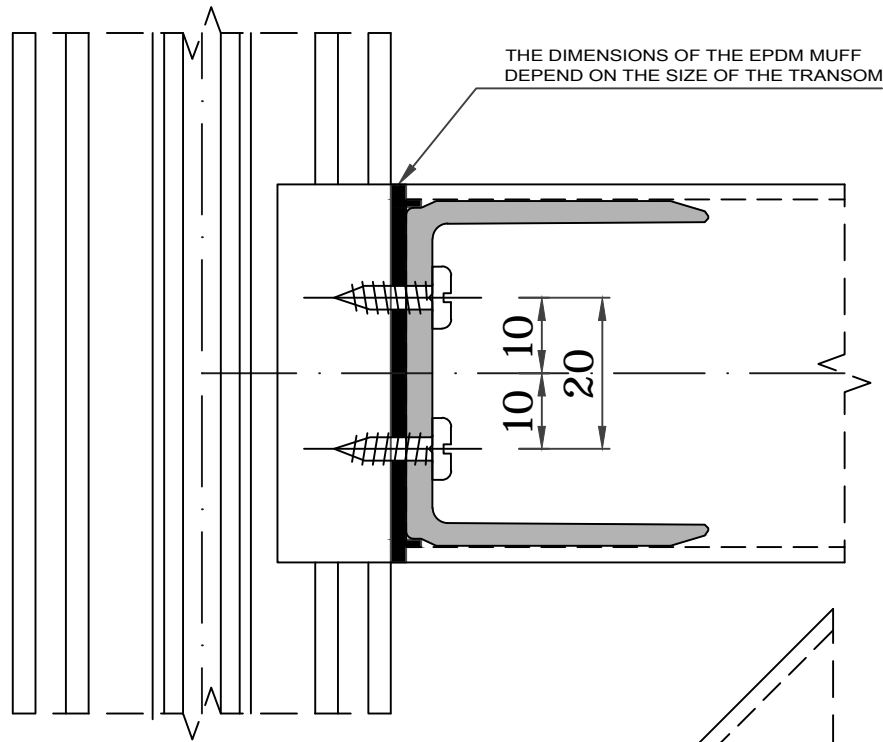


M 1:1

7

TECHNICAL DETAILS

/SIDE GASKET BETWEEN MULLION AND TRANSOM/

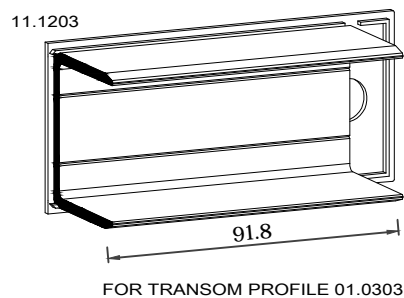
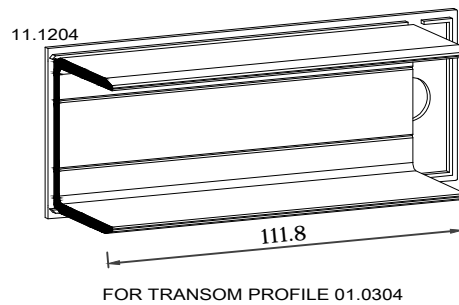
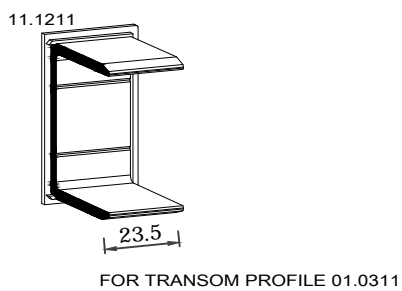
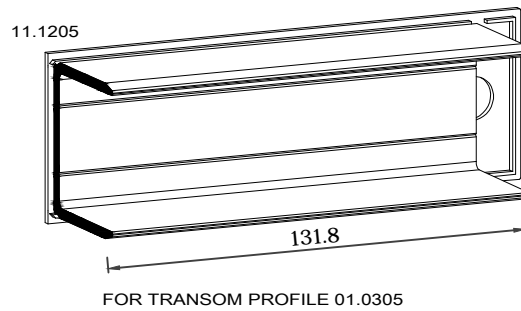
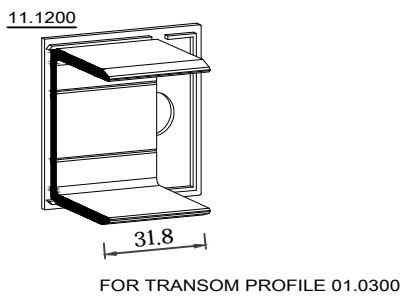
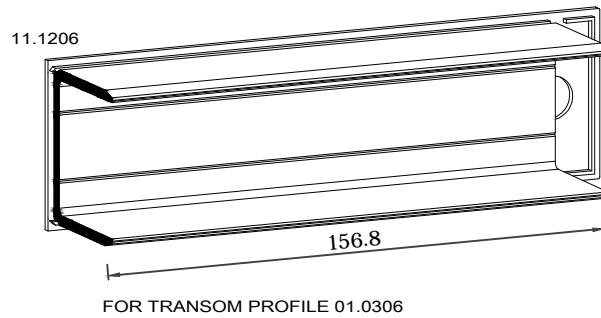
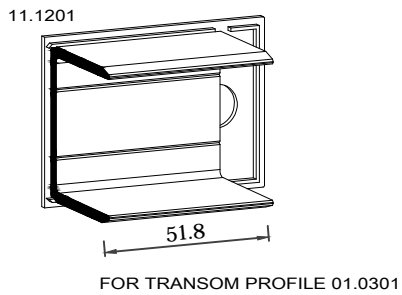
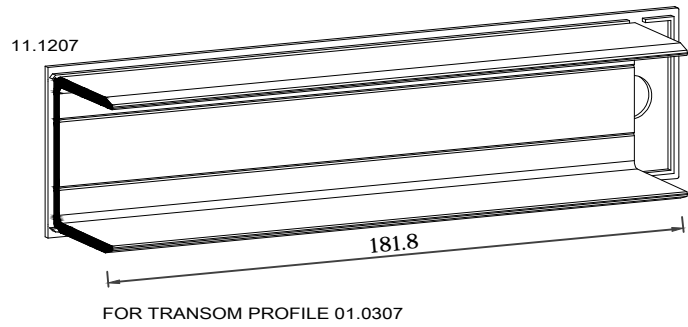
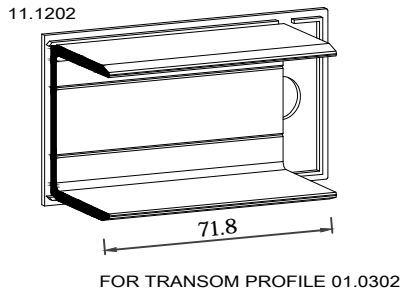


M 1:1

8

TECHNICAL DETAILS

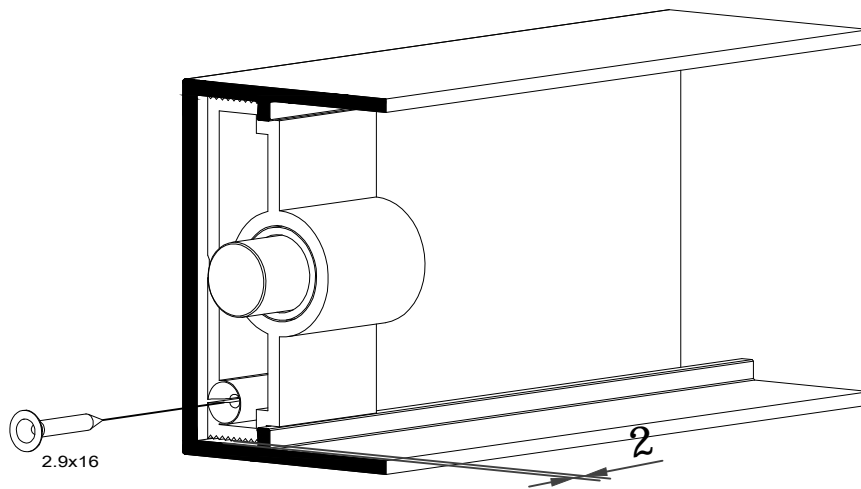
/SIZES OF THE TRANSOM JOINTS/



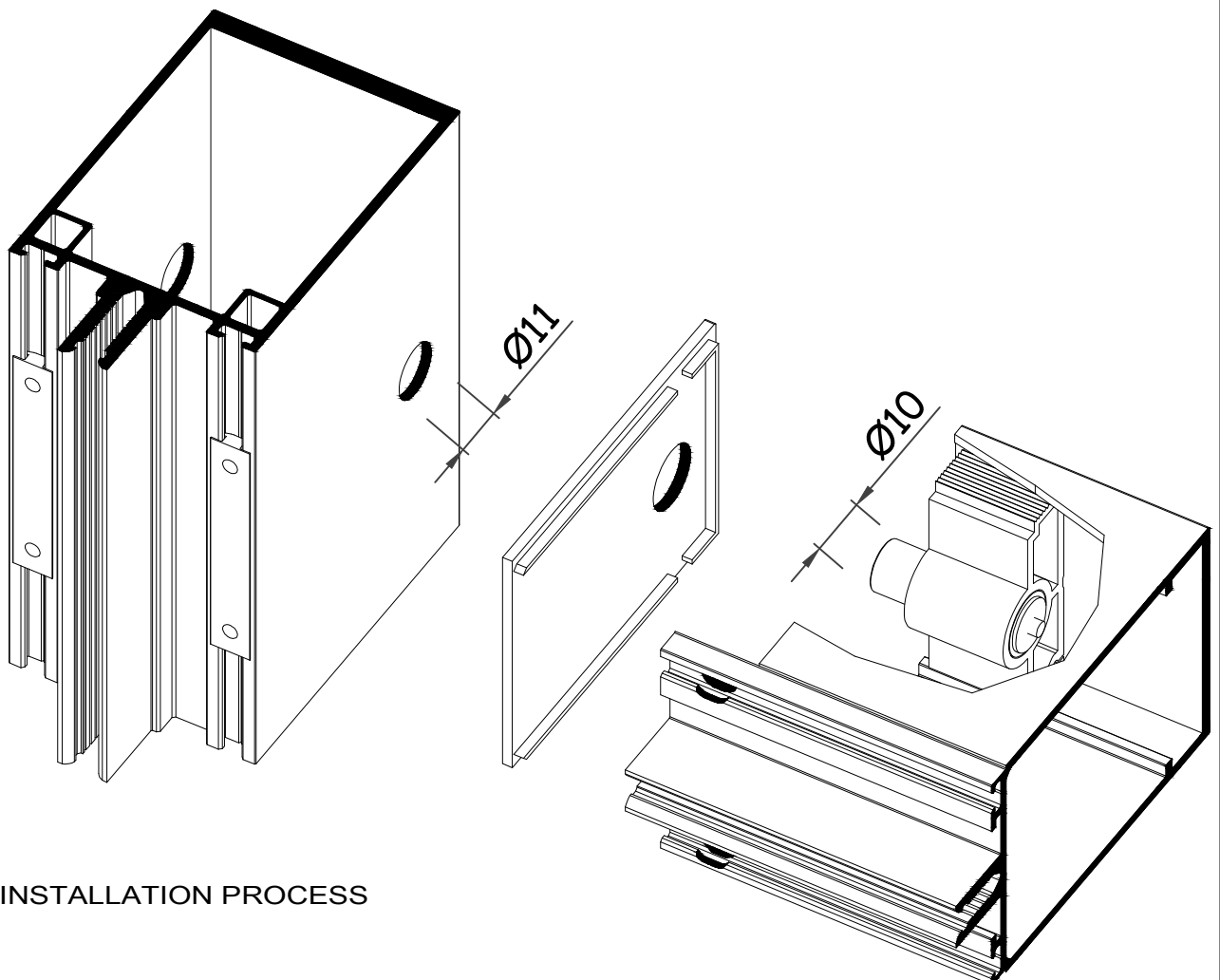
THE TRANSOM JOINT IS A PIECE OF PROFILE 01.0700

TECHNICAL DETAILS

/SPRING JOINT/



THE SPRING JOINT IS FIXED 2 mm INSIDE THE OUTER EDGE OF THE MILLED TRANSOM JOINT, SO IT DOES NOT INTERFERE WITH THE EPDM MUFF. A TEMPLATE SHOULD BE USED IN THAT CASE.

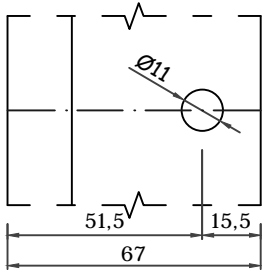


INSTALLATION PROCESS

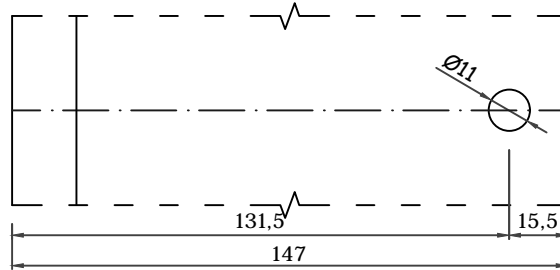
TECHNICAL DETAILS

/SPRING JOINT/

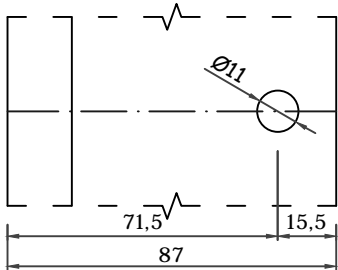
SIDE HOLES IN THE MULLION SURFACE FOR JOINING THE TRANSOM BY A SPRING JOINT.



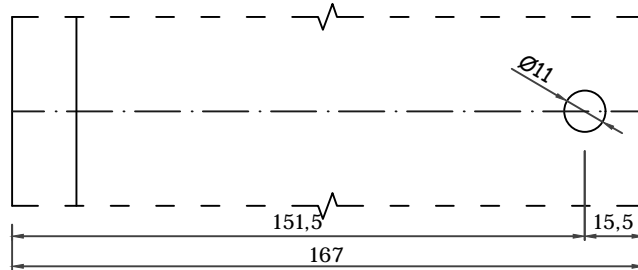
MULLION PROFILE 01.0100,
TRANSOM PROFILE 01.0300



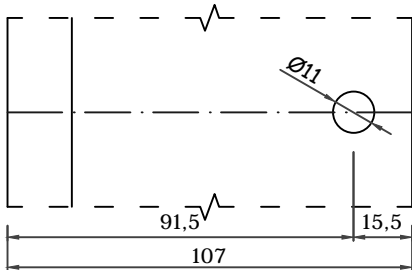
MULLION PROFILE 01.0104,
TRANSOM PROFILE 01.0304



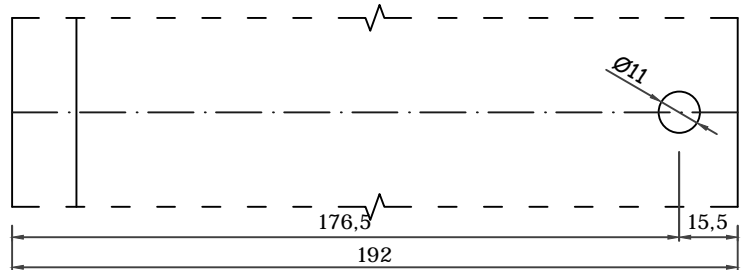
MULLION PROFILE 01.0101,
TRANSOM PROFILE 01.0301



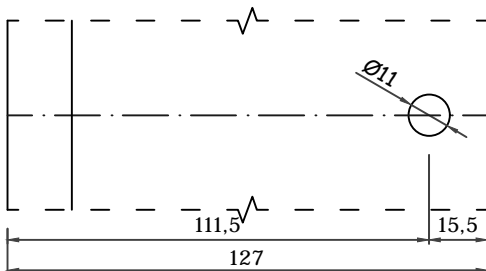
MULLION PROFILE 01.0105,
TRANSOM PROFILE 01.0305



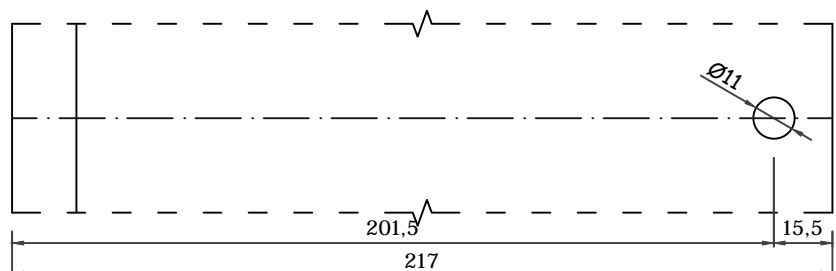
MULLION PROFILE 01.0102,
TRANSOM PROFILE 01.0302



MULLION PROFILE 01.0106,
TRANSOM PROFILE 01.0306



MULLION PROFILE 01.0103,
TRANSOM PROFILE 01.0303

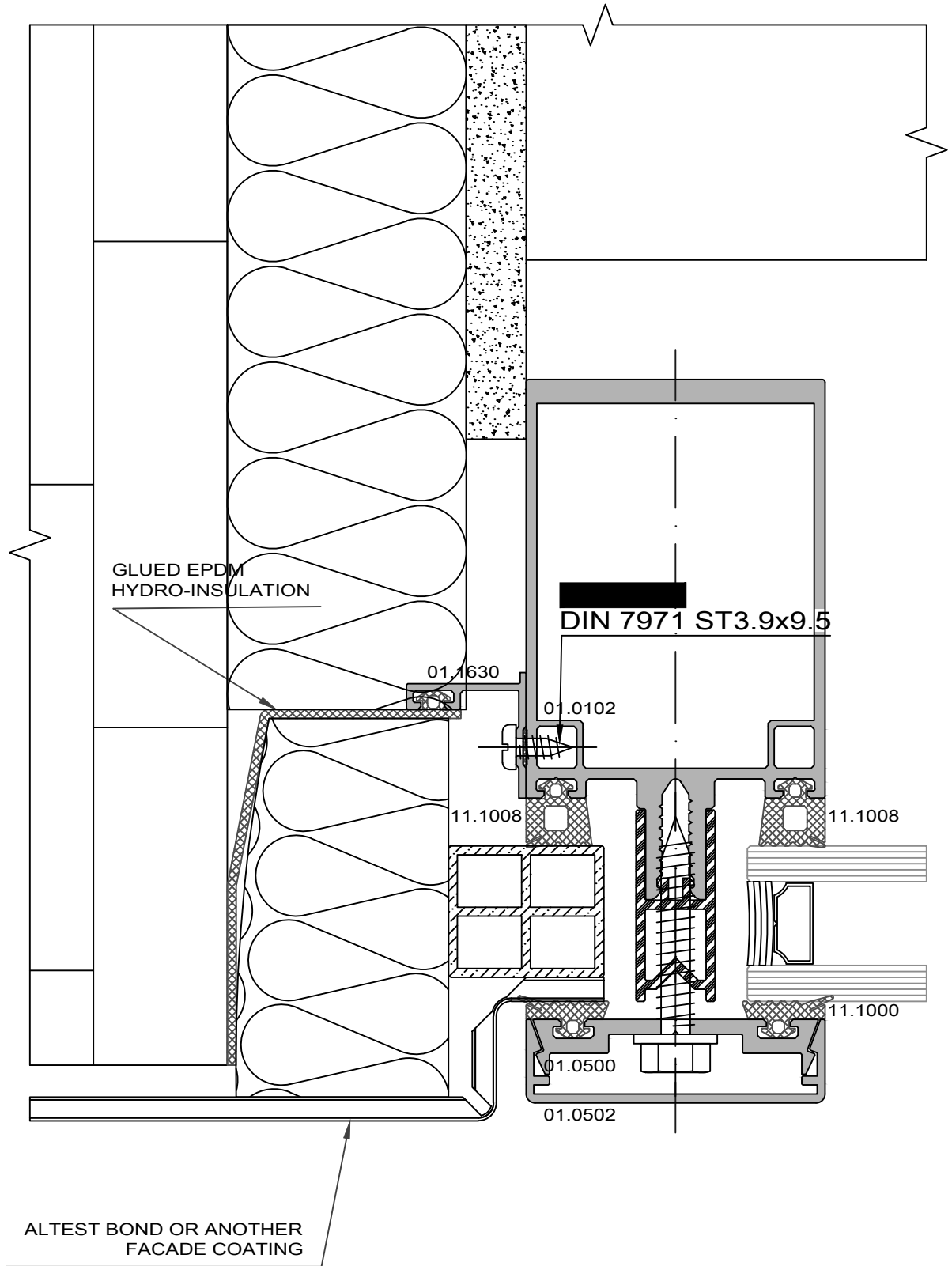


MULLION PROFILE 01.0107, TRANSOM PROFILE 01.0307

TECHNICAL DETAILS

/EPDM HYDRO-INSULATION INSTALLATION ON THE FINISHING MULLION/

SECTIONS



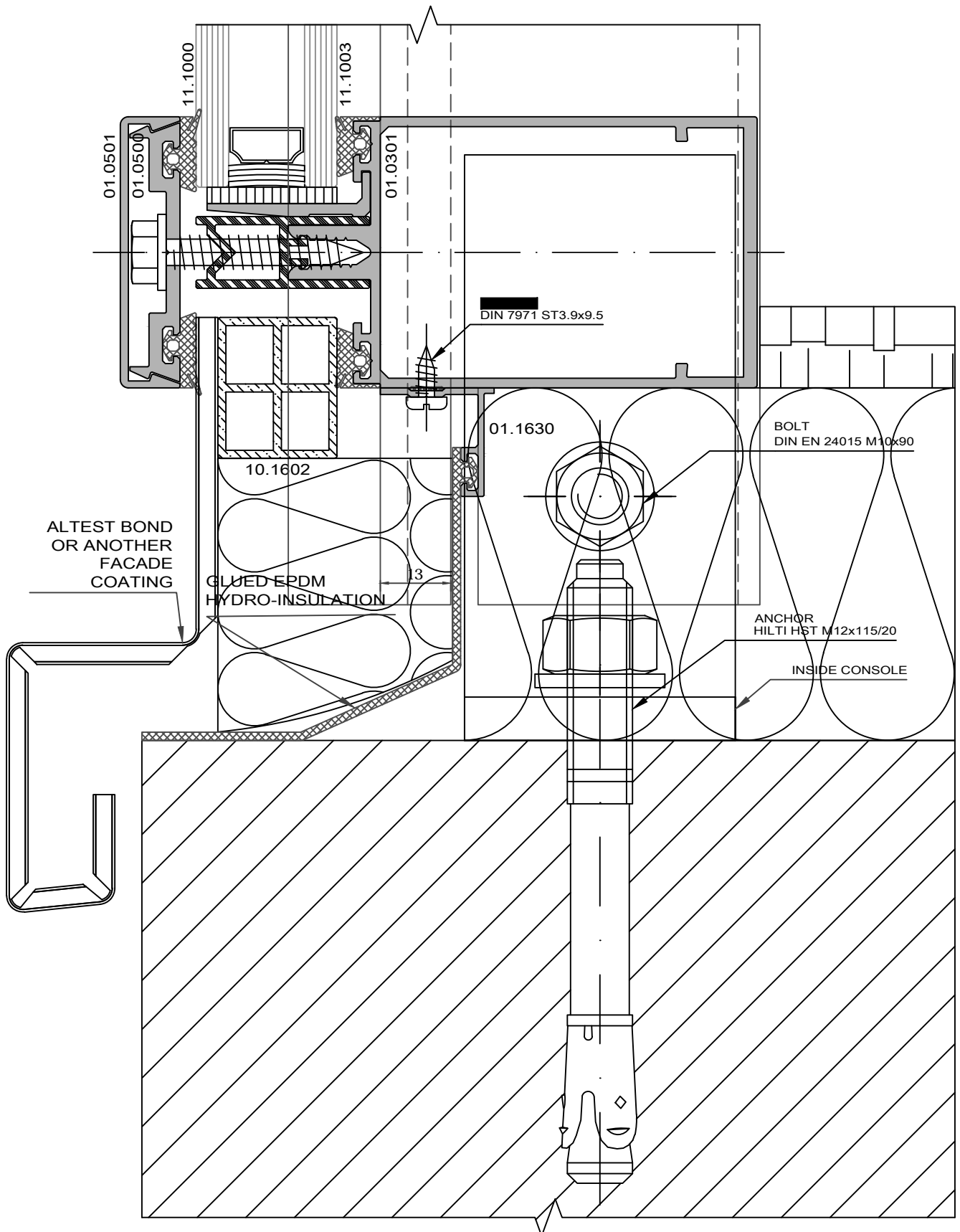
M 1:1

12

TECHNICAL DETAILS

EPDM HYDRO-INSULATION INSTALLATION ON THE FINISHING TRANSOM/

SECTIONS

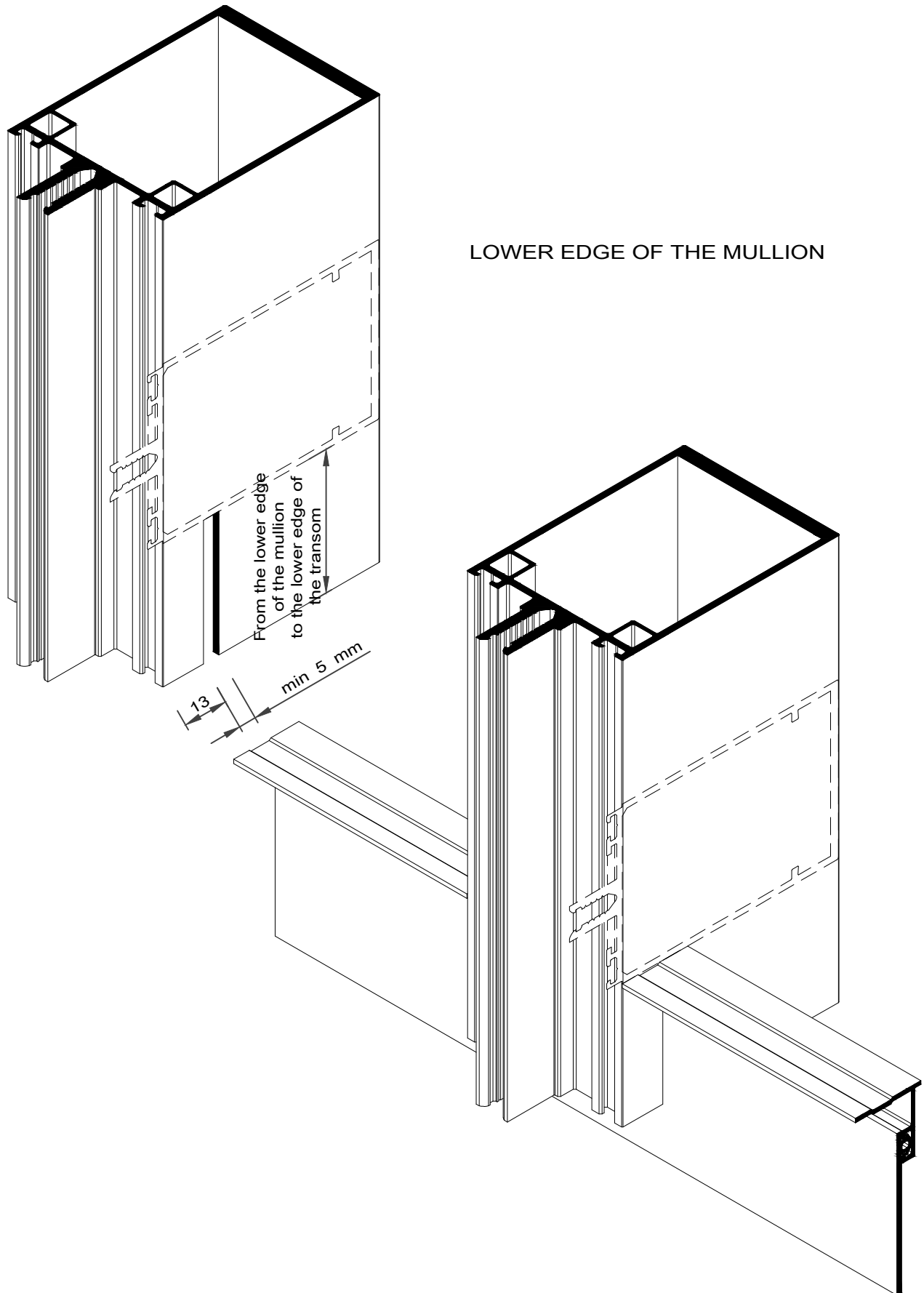


M 1:1

13

TECHNICAL DETAILS

/MULLION MACHINING/

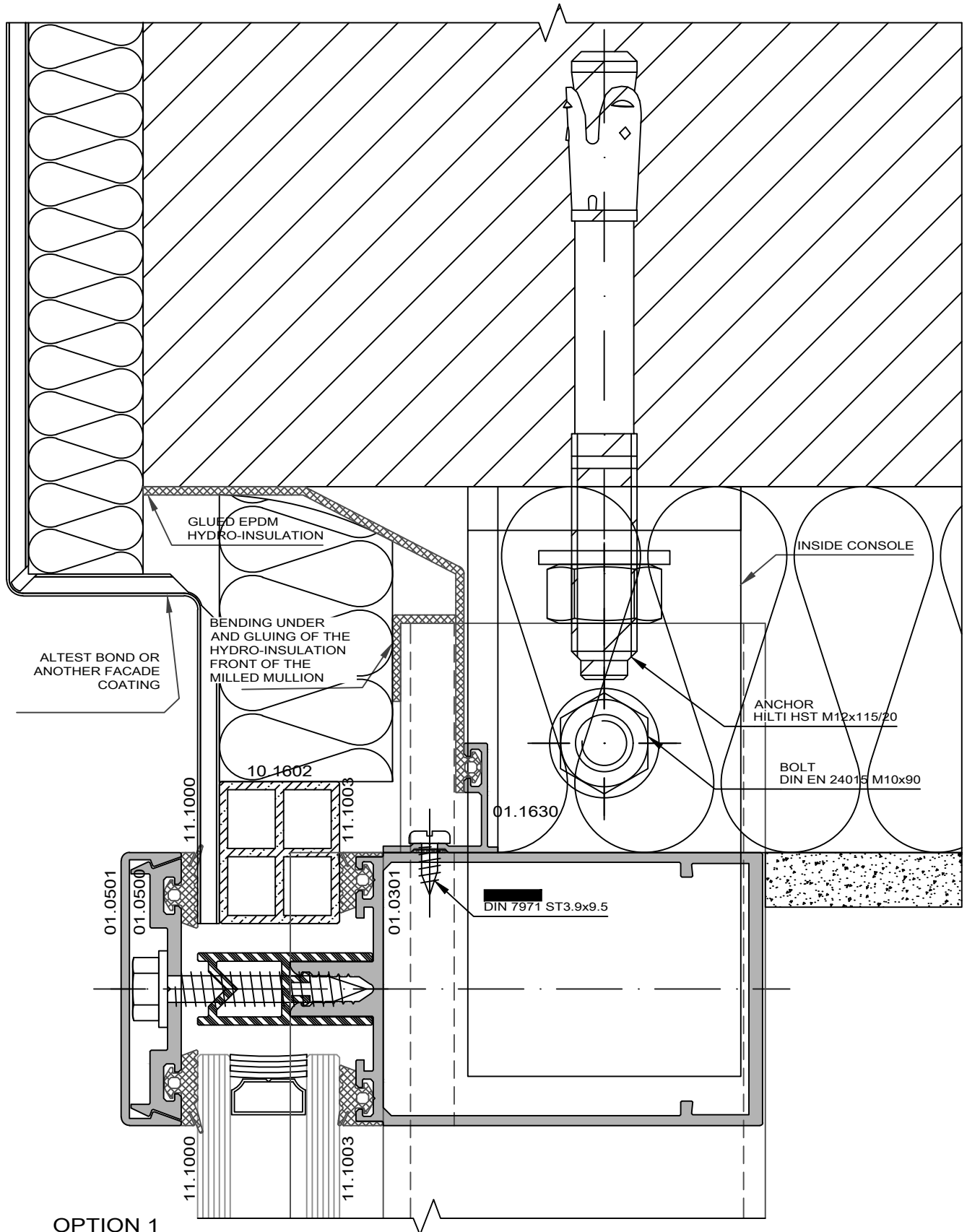


MILLING IN THE LOWER EDGE OF THE MULLION, PROVIDING A SOLID HYDRO-INSULATION.

TECHNICAL DETAILS

/HYDRO-INSULATION INSTALLATION ON THE FINISHING TRANSOM/

CROSS-SECTION OF THE UPPER EDGE OF THE FACADE



OPTION 1

M 1:1

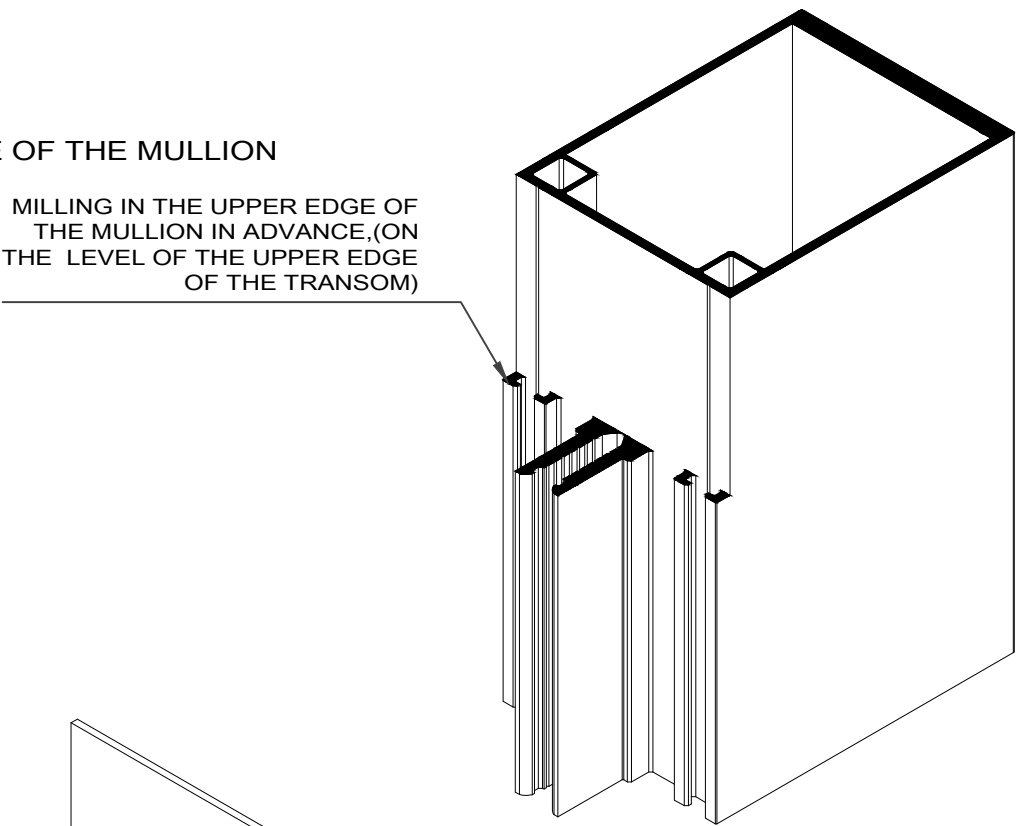
15

TECHNICAL DETAILS

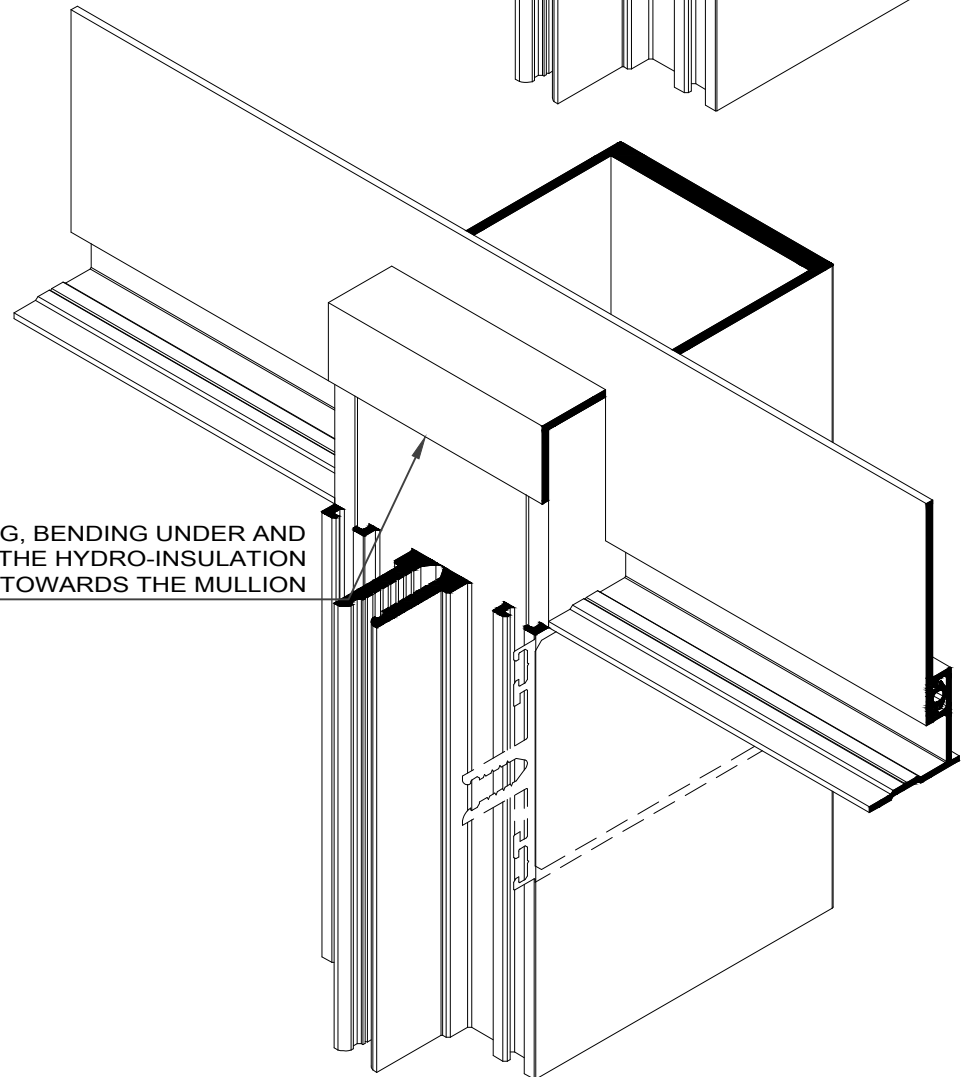
/MULLION MACHINING/

THE UPPER EDGE OF THE MULLION

MILLING IN THE UPPER EDGE OF
THE MULLION IN ADVANCE, (ON
THE LEVEL OF THE UPPER EDGE
OF THE TRANSOM)



CUTTING, BENDING UNDER AND
GLUING THE HYDRO-INSULATION
TOWARDS THE MULLION

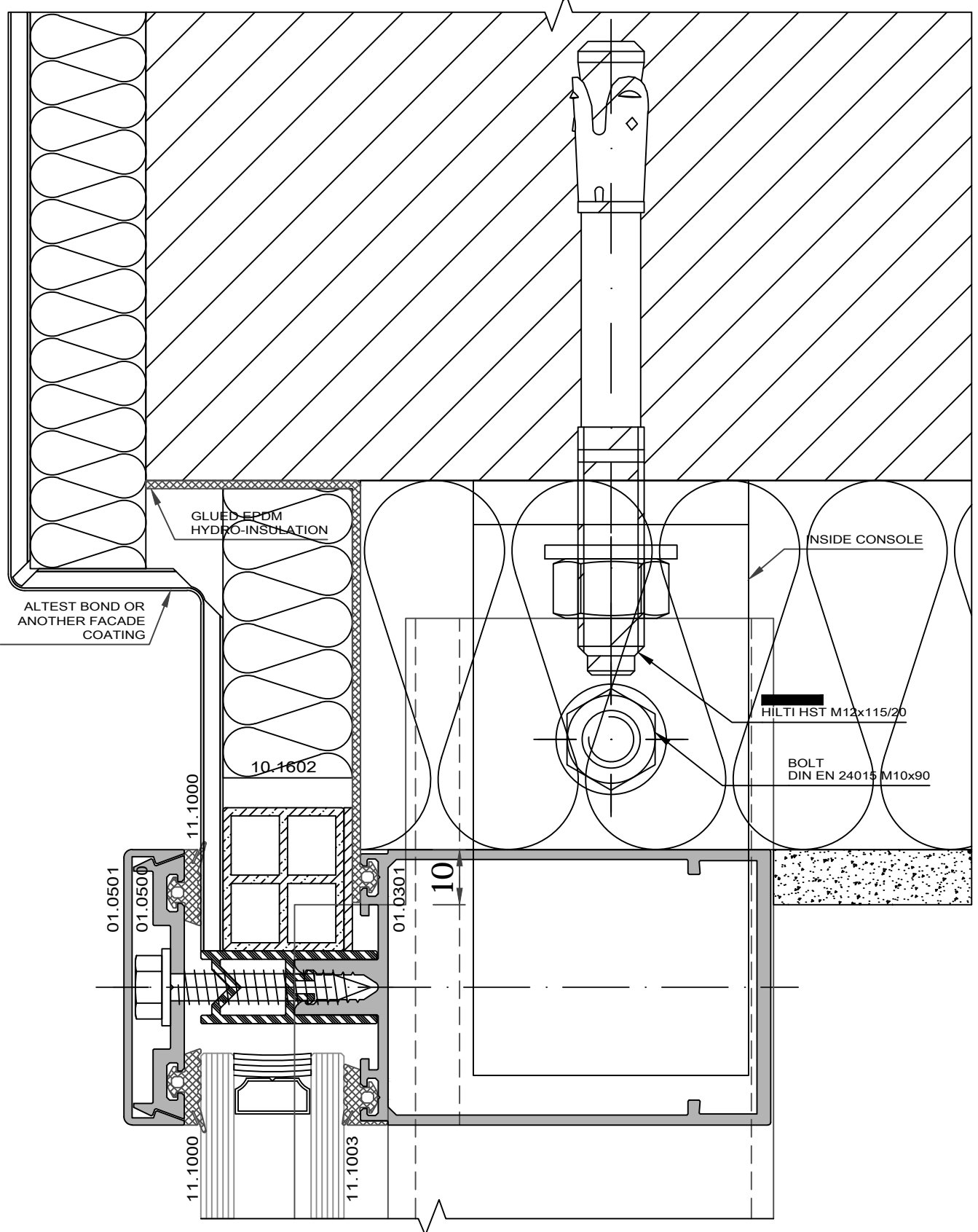


OPTION 1

TECHNICAL DETAILS

/MULLION MACHINING/

GROSS-SECTION OF THE UPPER EDGE OF THE FACADE



OPTION 2

M 1:1

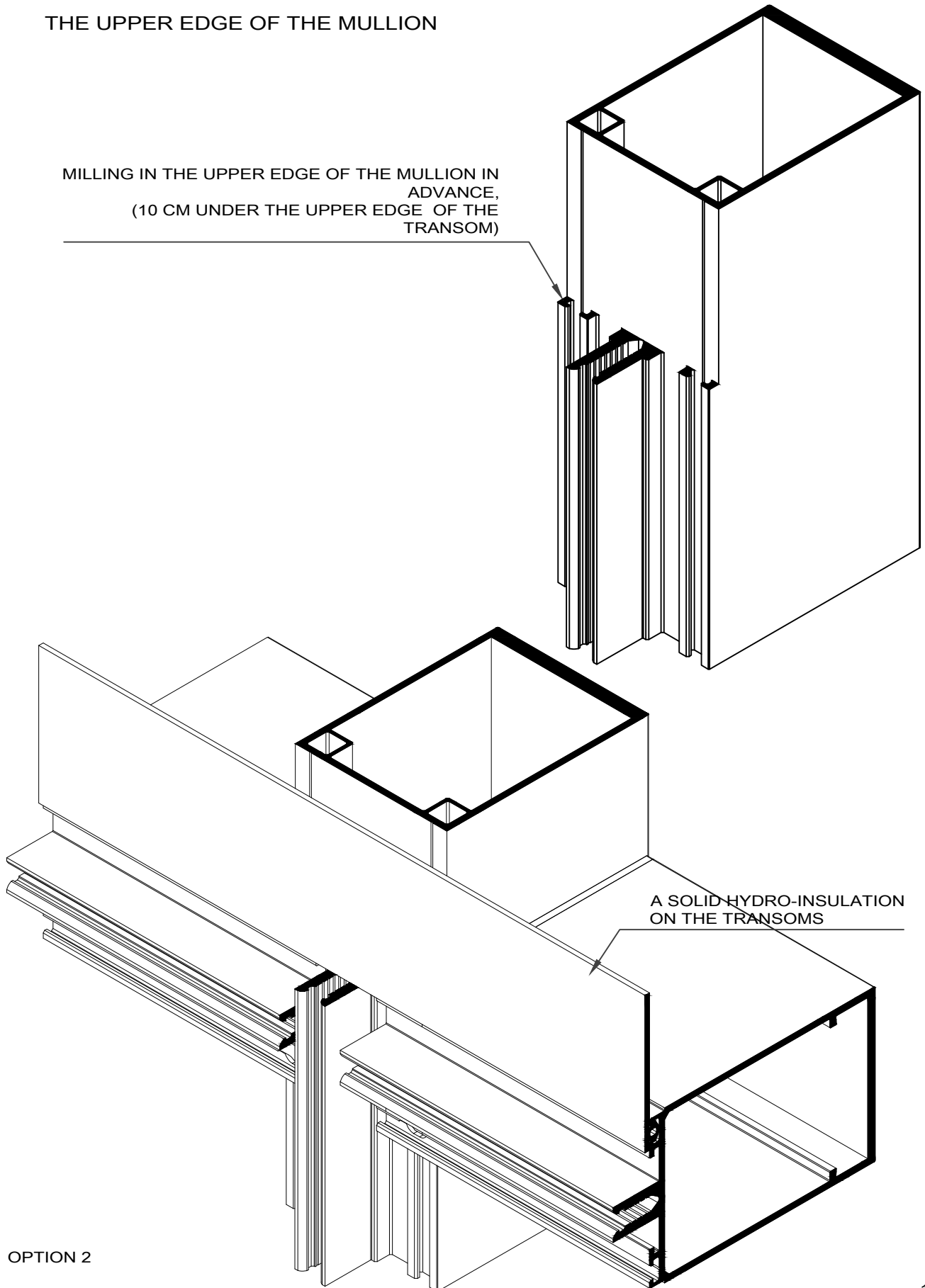
17

TECHNICAL DETAILS

/MULLION MACHINING/

THE UPPER EDGE OF THE MULLION

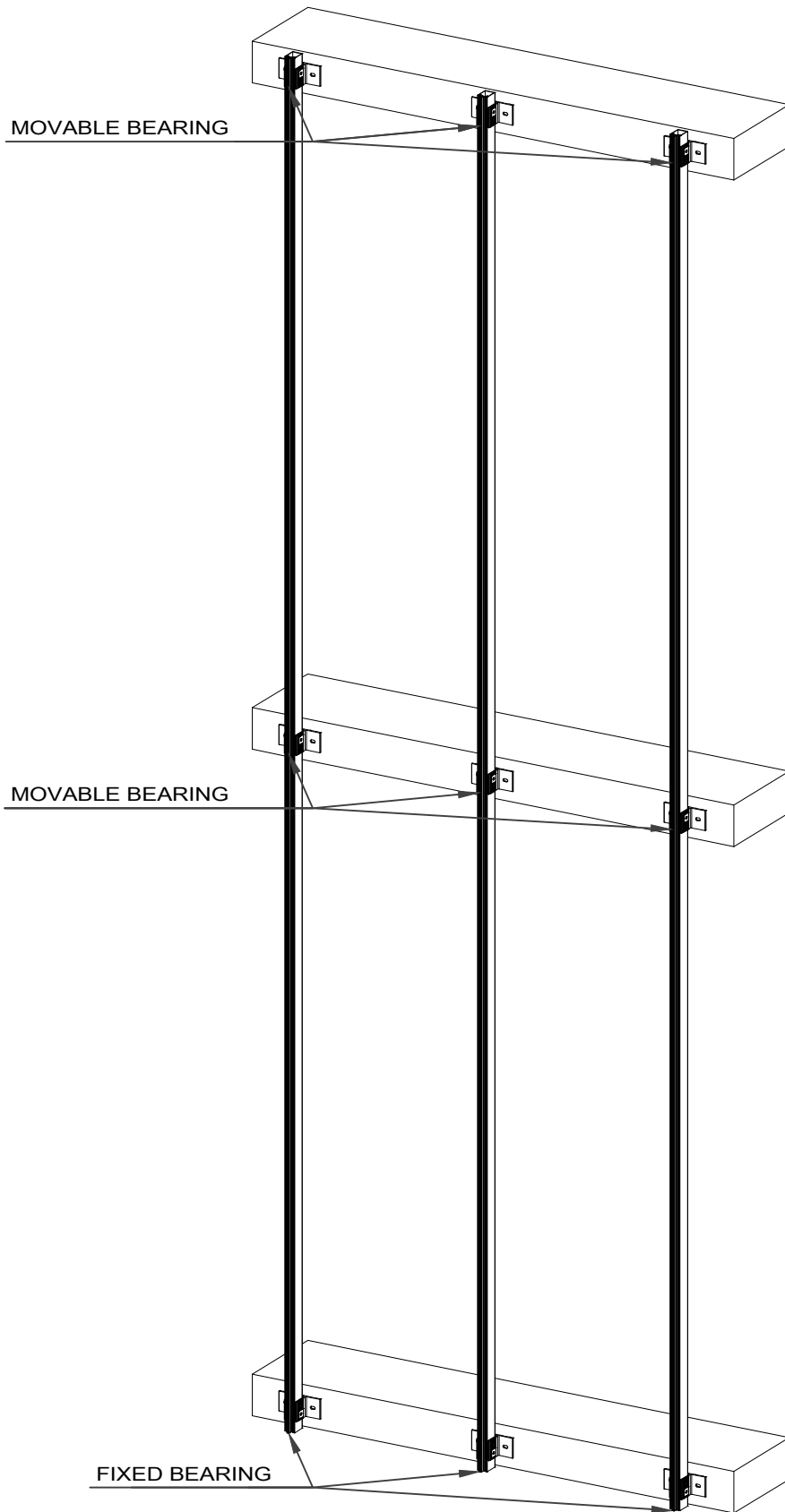
MILLING IN THE UPPER EDGE OF THE MULLION IN
ADVANCE,
(10 CM UNDER THE UPPER EDGE OF THE
TRANSOM)



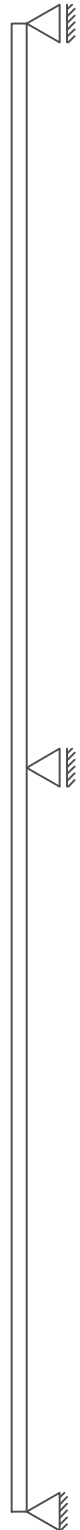
OPTION 2

TECHNICAL DETAILS

/INSTALLATION OF THE CURTAIN WALL ON AN EXISTING LOAD-BEARING CONSTRUCTION/
INSTALLATION IN FRONT OF A CONCRETE SLAB



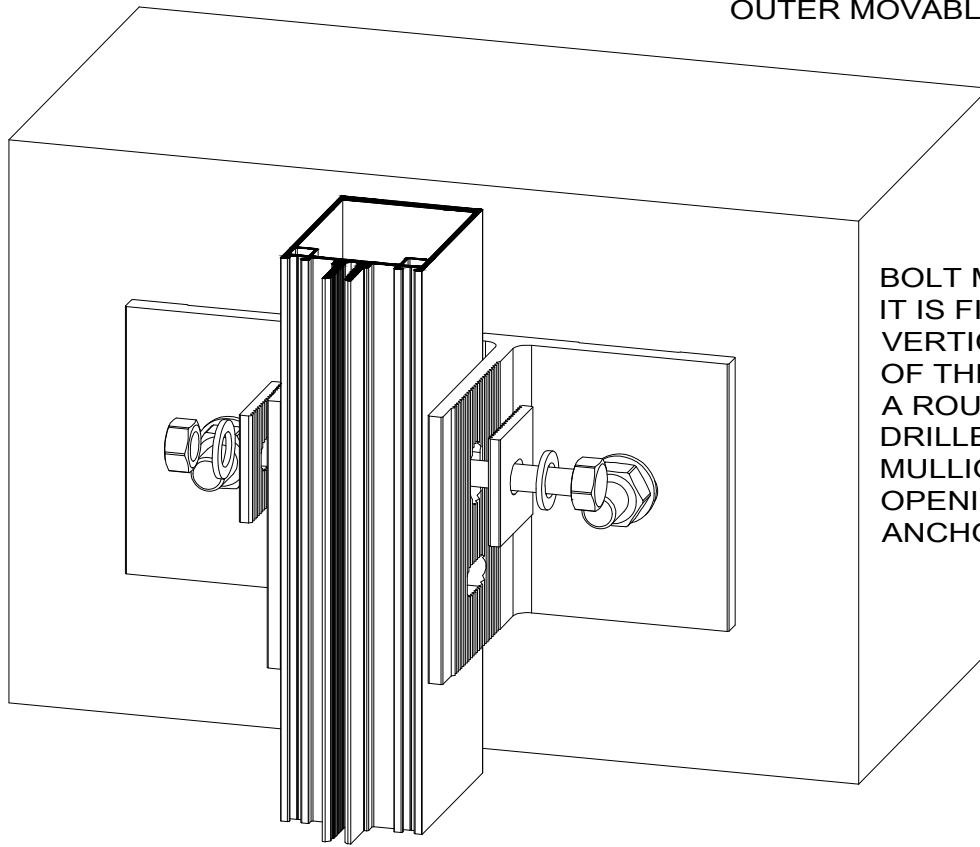
STATIC SCHEME



TECHNICAL DETAILS

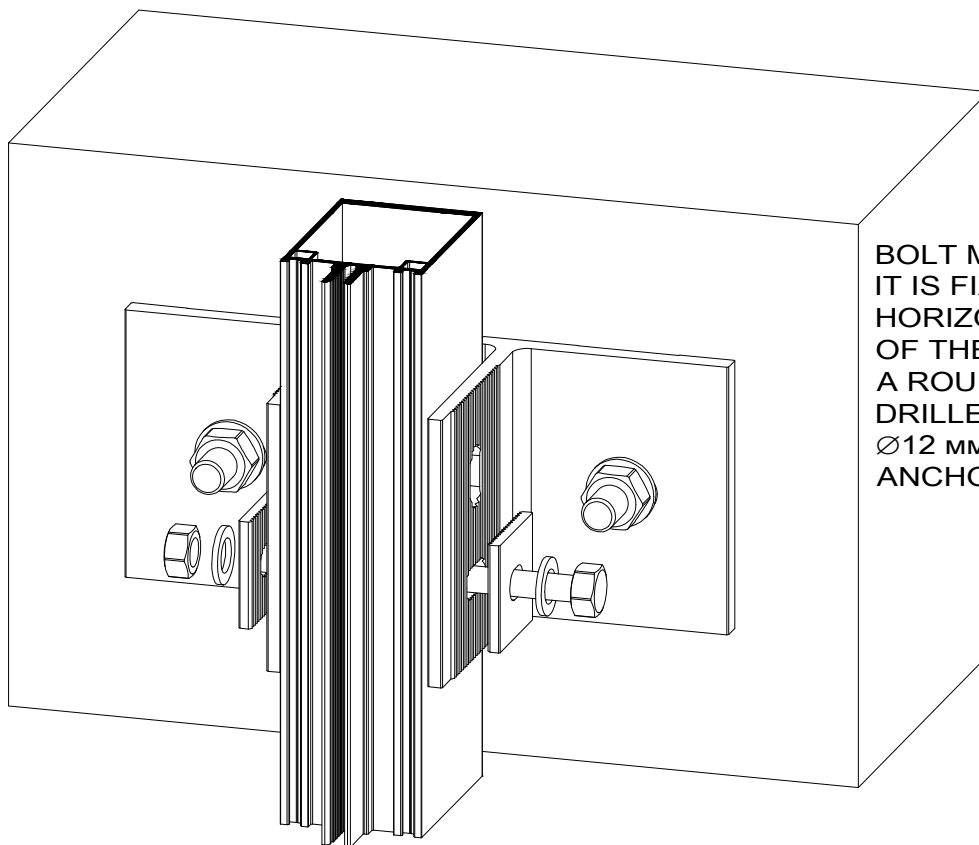
/INSTALLATION OF THE CURTAIN WALL ON AN EXISTING LOAD-BEARING CONSTRUCTION/

OUTER MOVABLE BEARING



BOLT M10x90
IT IS FIXED IN THE
VERTICAL OVAL HOLE
OF THE CONSOLE
A ROUND HOLE IS
DRILLED IN THE
MULLION
OPENING \varnothing 12 MM.
ANCHOR BOLTS- M12.

OUTER FIXED BEARING



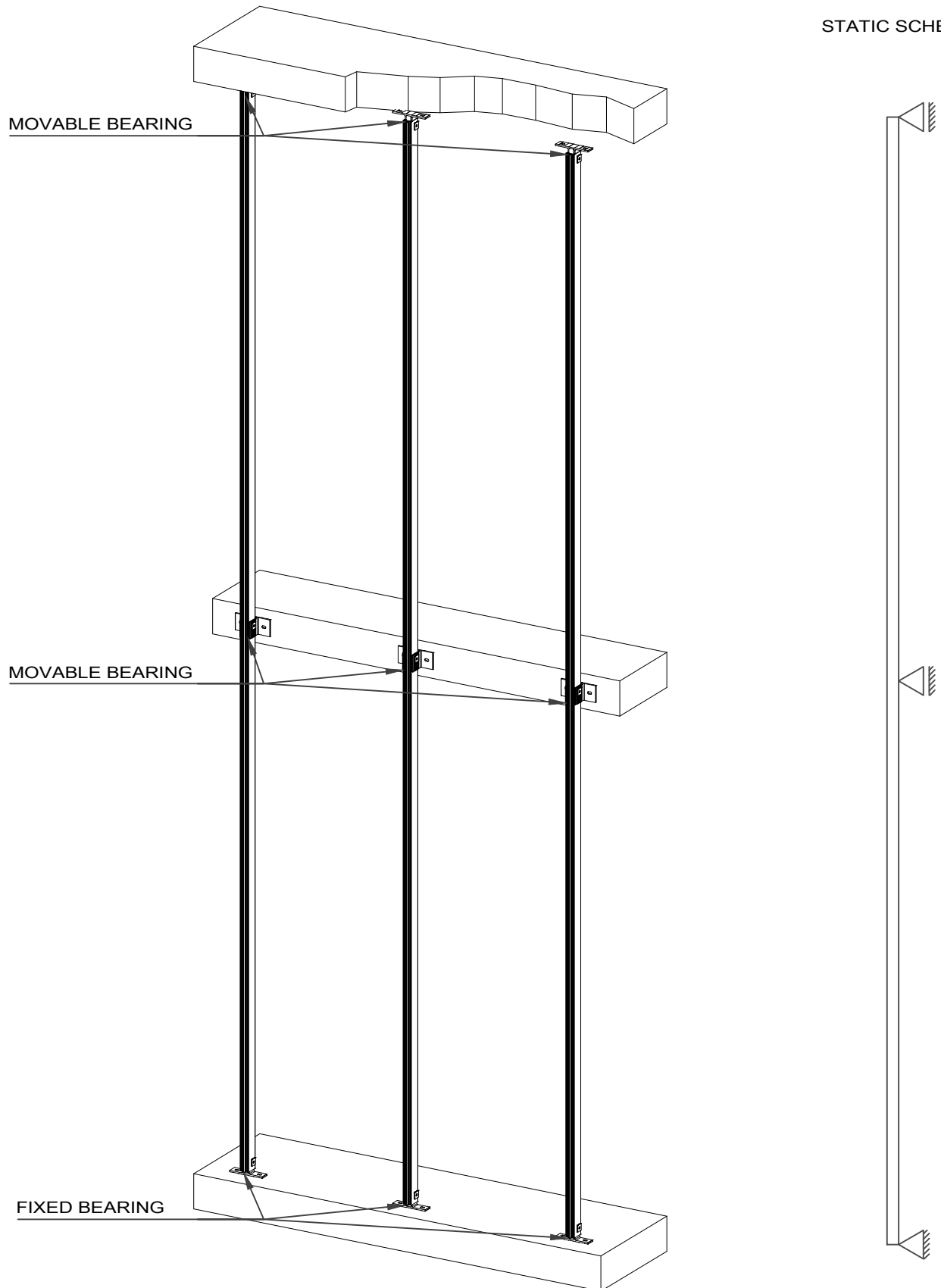
BOLT M10x90
IT IS FIXED IN THE
HORIZONTAL OVAL HOLE
OF THE CONSOLE.
A ROUND HOLE IS
DRILLED IN THE MULLION
 \varnothing 12 MM.
ANCHOR BOLTS M12.

TECHNICAL DETAILS

/INSTALLATION OF THE CURTAIN WALL ON AN EXISTING LOAD-BEARING CONSTRUCTION/

INSTALLATION BETWEEN CONCRETE SLABS

STATIC SCHEME



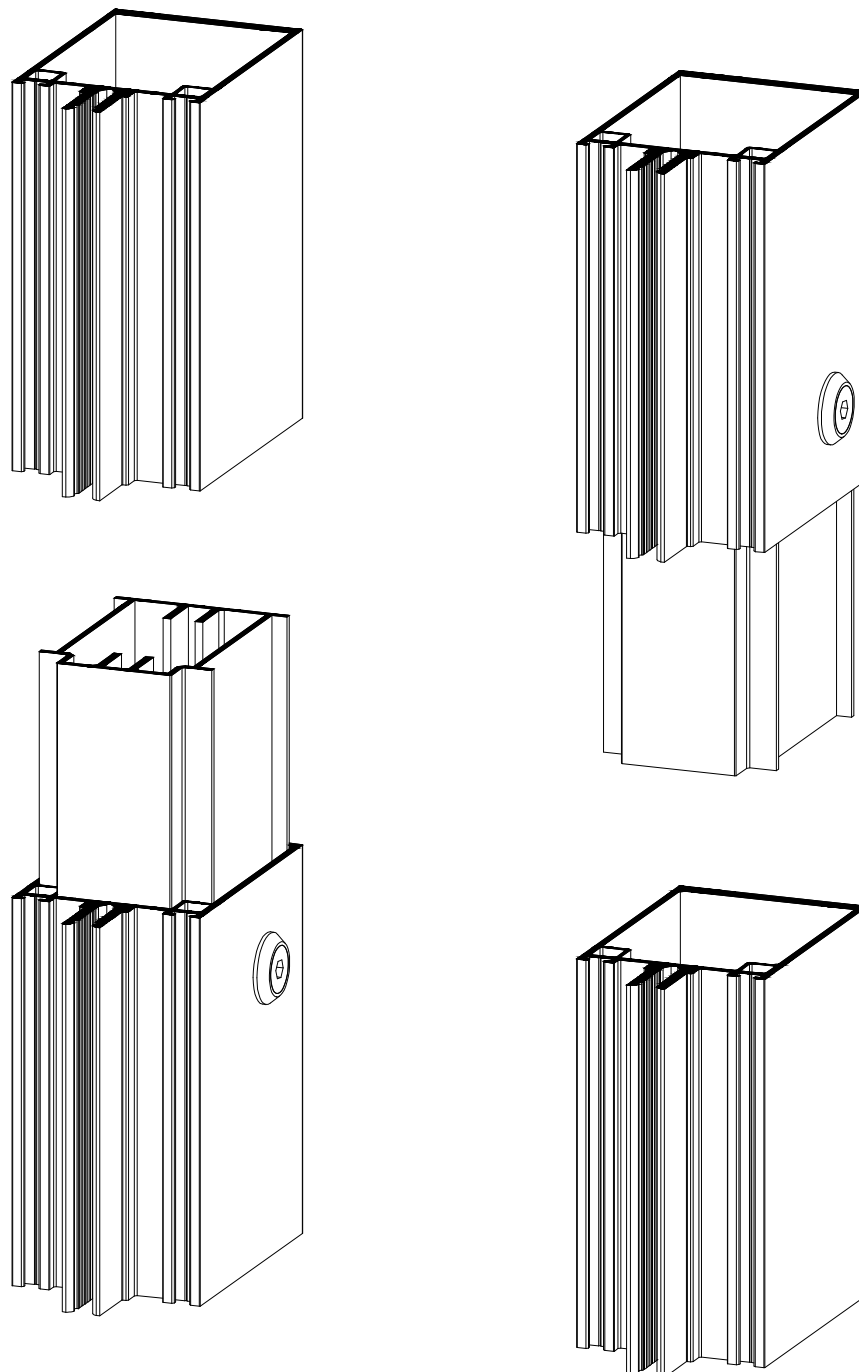
TECHNICAL DETAILS

/LONGITUDINAL CONNECTORS FOR MULLION PROFILES/

A LONGITUDINAL CONNECTOR, FIXED IN THE INSIDE CHAMBER OF THE MULLION IS USED FOR THE VERTICAL JOINING OF THE PROFILES. IT CAN BE ATTACHED EITHER TO THE UPPER OR TO THE LOWER UNIT OF THE FACADE. IN MOST OF THE CASES THE JOINING OF THE PROFILES IS IN THE CONCRETE SLAB ZONE, SO THE LONGITUDINAL CONNECTOR IS FIXED BY THE BOLTS WHICH ARE ALSO USED FOR THE CONSTRUCTION CONSOLE.

IF THE JOINING IS IN ANY OTHER ZONE THE LONGITUDINAL CONNECTOR IS FIXED EITHER TO THE UPPER OR TO THE LOWER PROFILE BY USING BOLTS AND SCREWS (NOT IN FRONT ON THE CONDENSING MOISTURE CHAMBER).

THE LENGTH OF THE LONGITUDINAL CONNECTOR MUST BE AT LEAST 500 MM.



TECHNICAL DETAILS

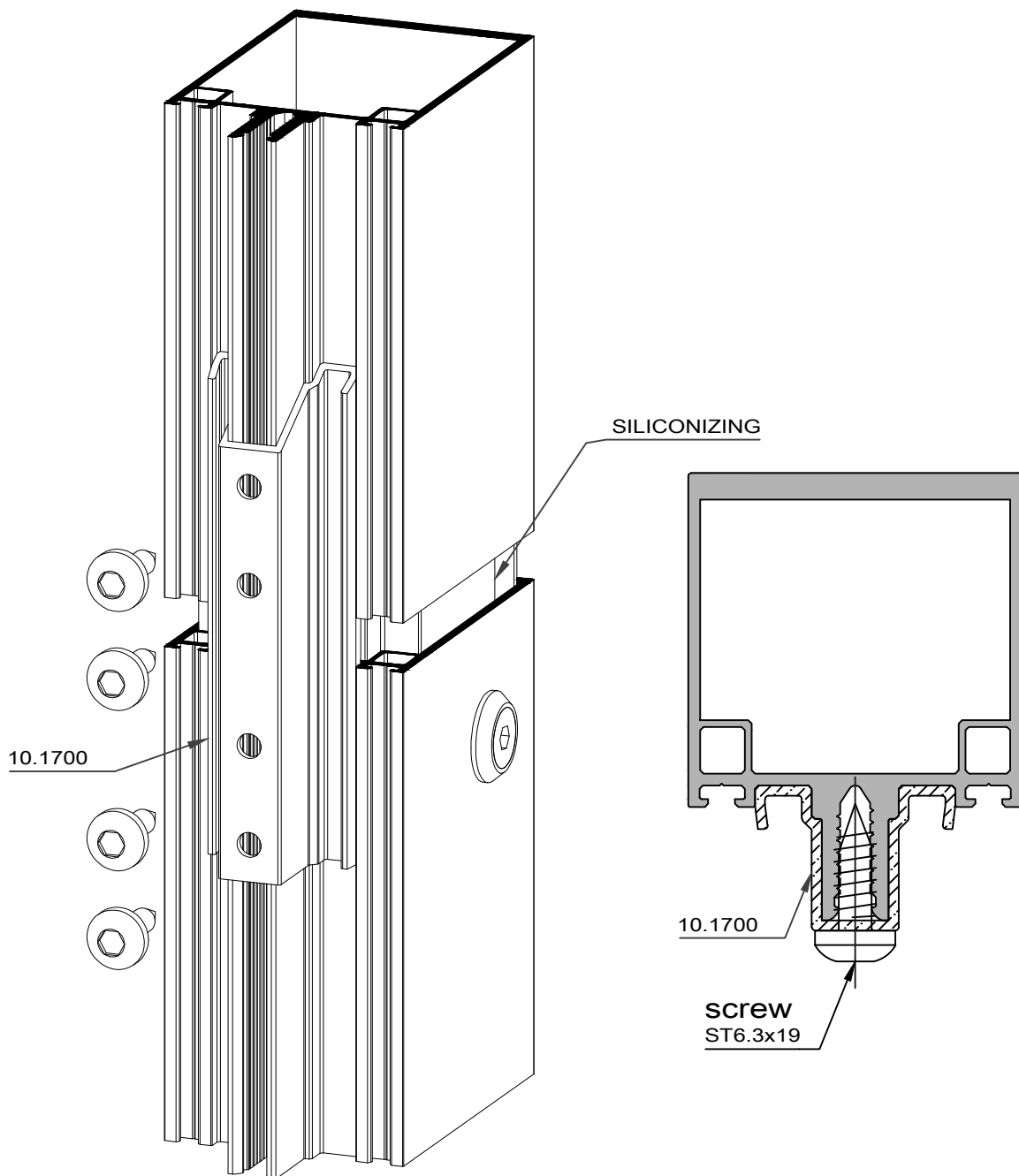
/LONGITUDINAL CONNECTORS FOR MULLION PROFILES/

THE GAP BETWEEN VERTICAL UNITS IS MATCHED FOR EVERY SPECIFIC CASE , IT IS RECOMMENDED TO BE AT LEAST 10 mm LONG.

AFTER THE INSTALLATION, A DRAINAGE PROFILE (10.1700) MUST BE FIXED AT THE FRONT OF THE VERTICAL UNIT.SILICONIZED SCREWS 6,3x19 mm MUST BE USED FOR THE INSTALLATION .

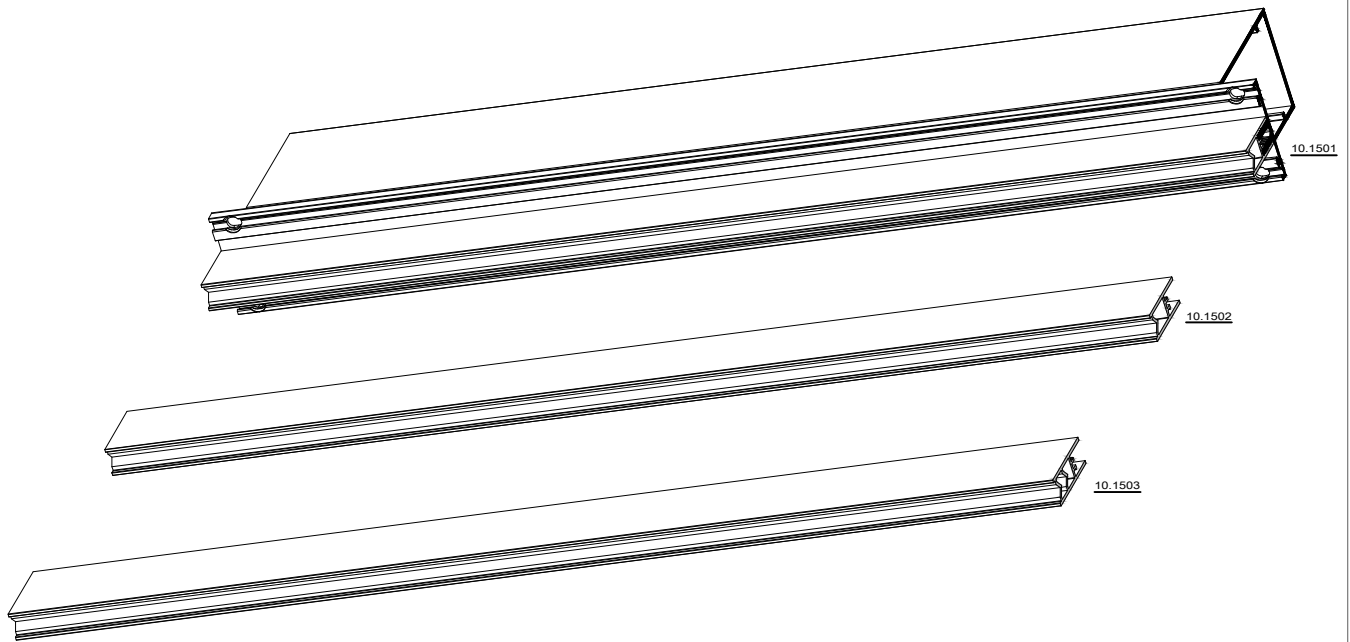
IT HELPS WITH THE TRANSPORTATION OF THE CONDENSING MOISTURE DOWNWARDS.

THE OTHER PART OF THE GAP HAS TO BE SILICONIZED.

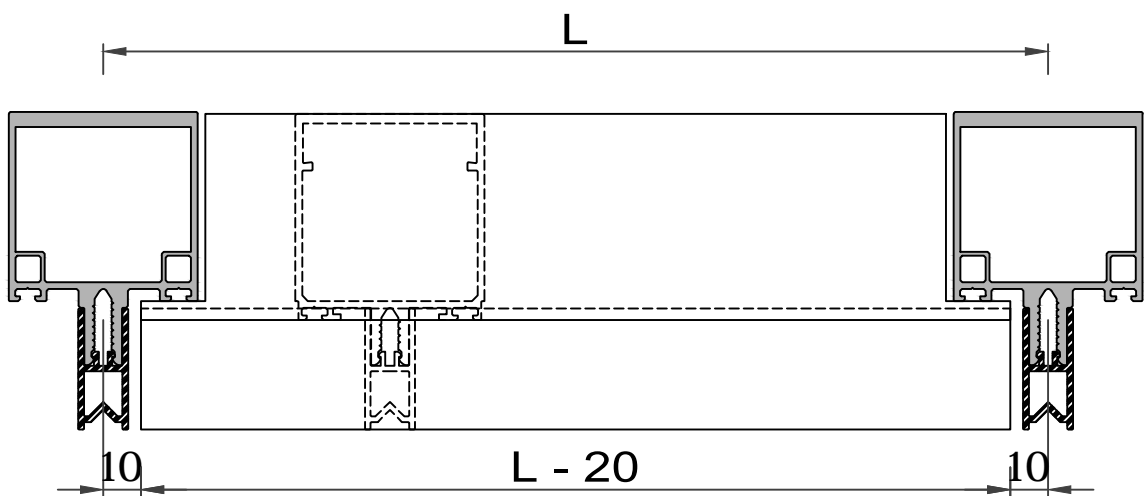


TECHNICAL DETAILS

/INSTALLING A THERMAL INSULATION SPACER/ HORIZONTAL UNIT COVER CAP



THE LENGTH OF THE THERMAL INSULATION SPACER IS THE SAME AS THE ONE OF THE TRANSOM
(FOR ALL SIZES).

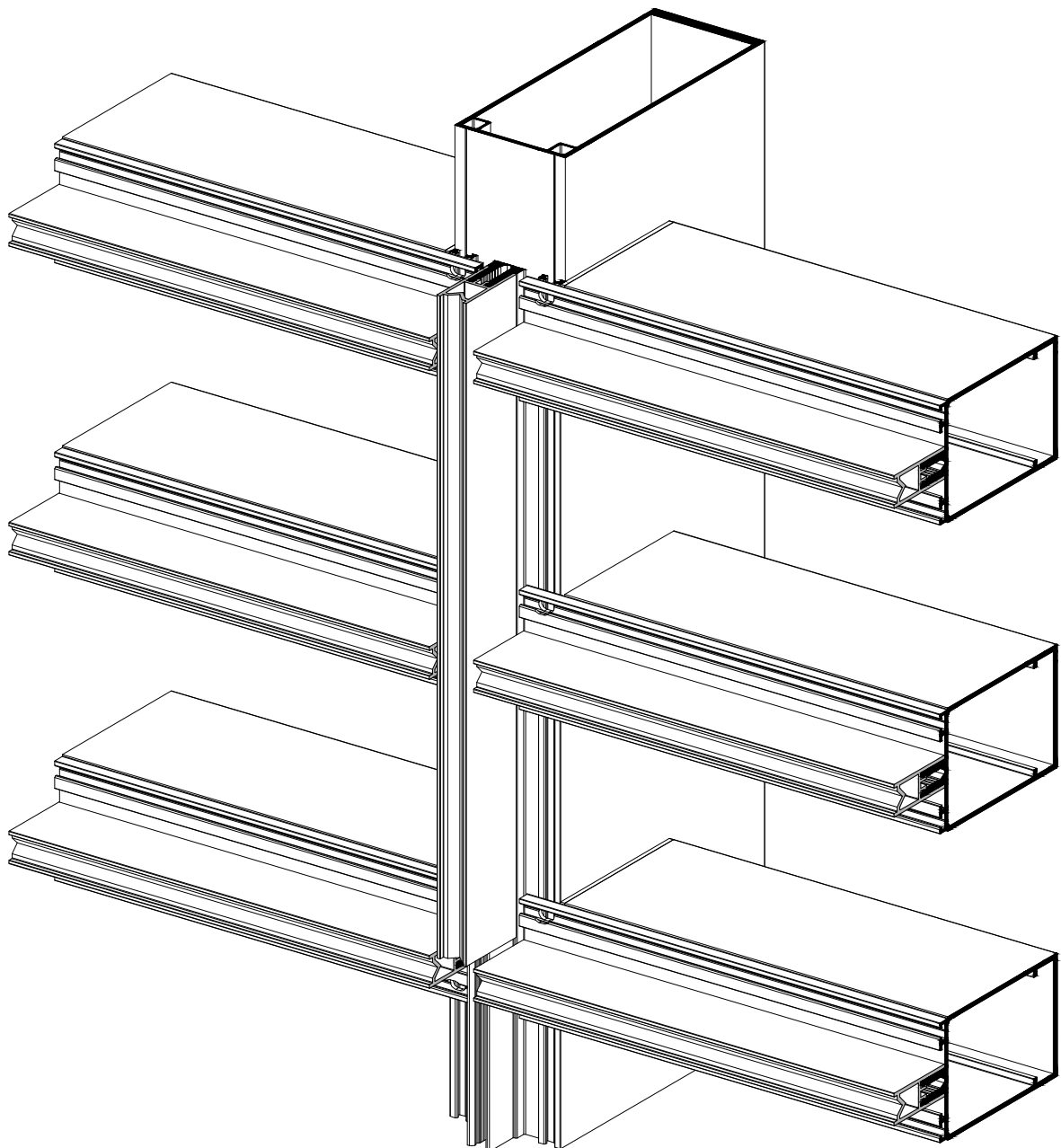


TECHNICAL DETAILS

/INSTALLING A THERMAL INSULATION SPACER/

VERTICAL UNIT
COVER CAP

THERMAL INSULATION PROFILE IS FIXED ALONG THE WHOLE LENGTH OF THE MULLION. IT STARTS FROM THE THERMAL INSULATION SPACER OF THE LOWEST TRANSOM AND FINISHES AT THE UPPER EDGE OF THE TOP TRANSOM.

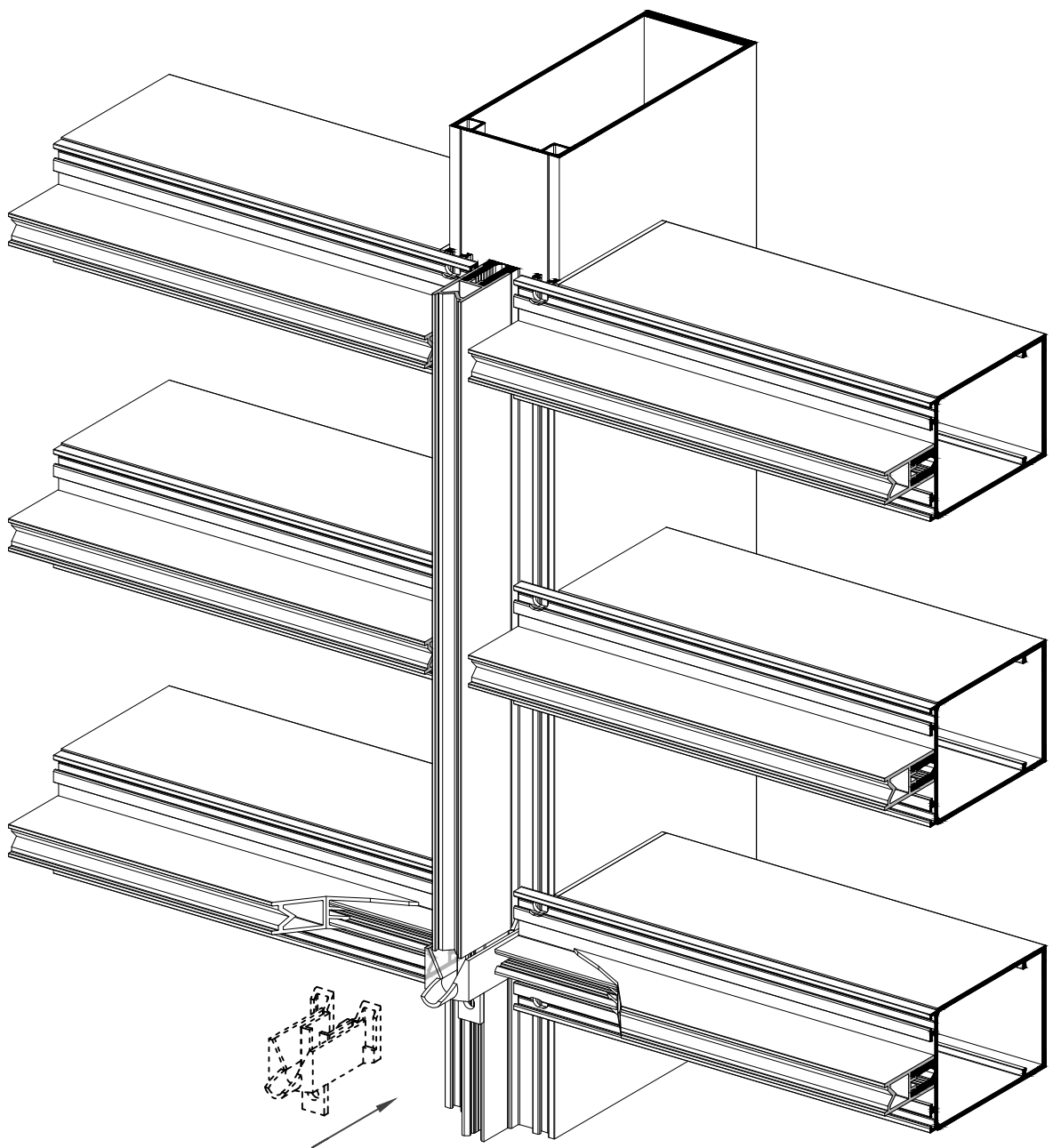


TECHNICAL DETAILS

/FINISHING DRAINAGE PROFILE INSTALLATION/

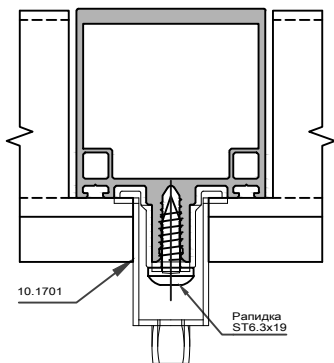
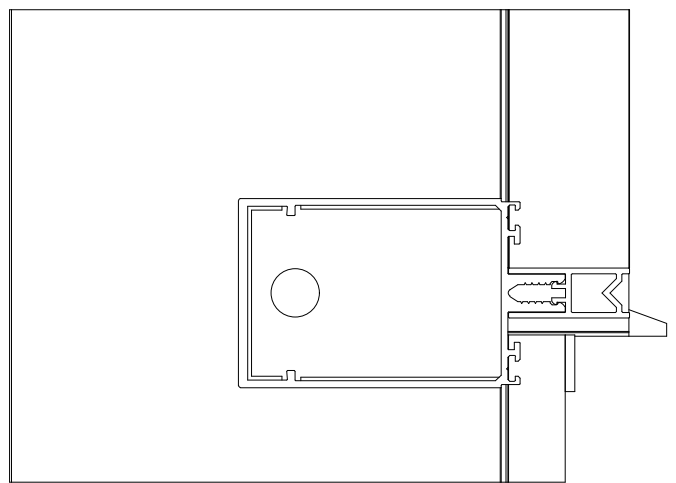
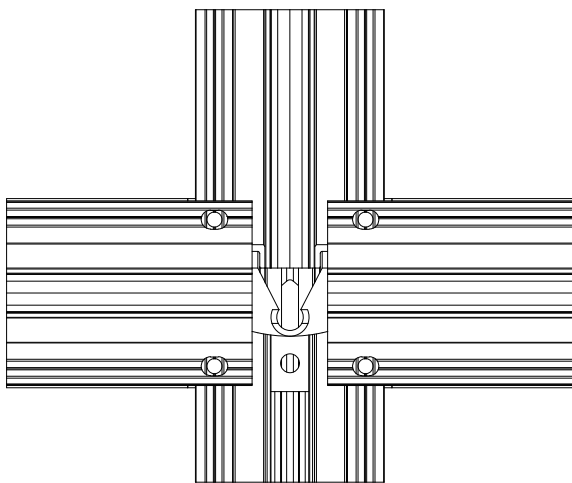
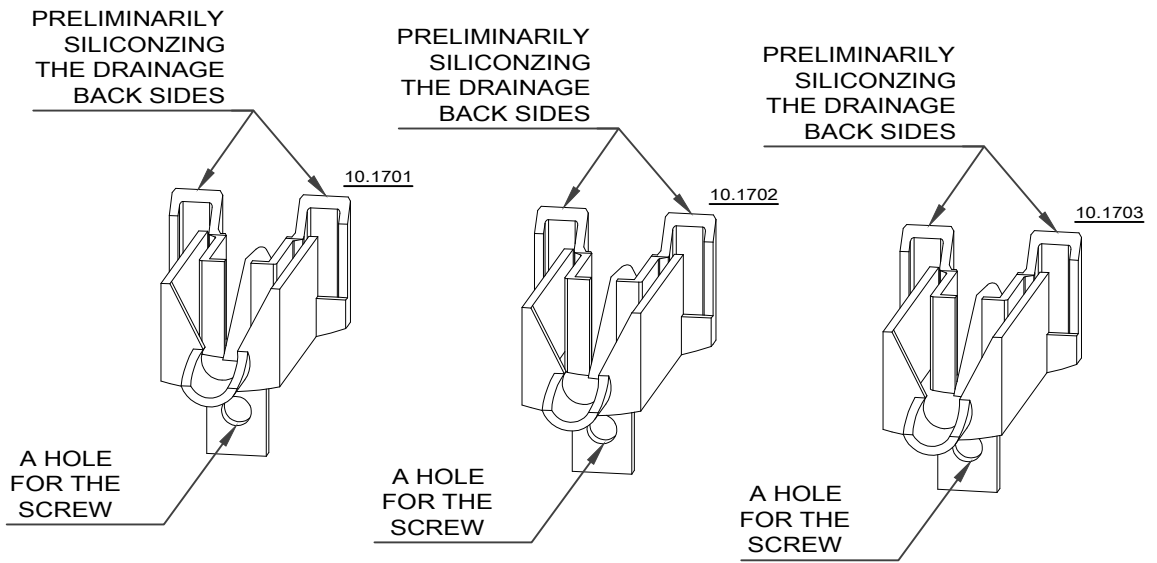
LOWEST FACADE EDGE

THE DESIGN OF THE DRAINAGE PROFILE MAKES IT POSSIBLE TO BE FIXED AT THE BUILDING, AFTER THE ALUMINIUM CONSTRUCTION IS INSTALLED . BEFORE FIXING IT ,ITS BACK SIDES HAVE TO BE SILICONISED, SO ITS BETTER ATTACHED TO THE MULLION. AFTER ITS INSTALLATION THE DRAINAGE IS FIXED WITH A SCREW 6,3x19 .



TECHNICAL DETAILS

/FINISHING DRAINAGE PROFILE INSTALLATION/



TECHNICAL DETAILS

/ATTACHING THE GLAZING TO THE ALUMINIUM PROFILES/

FIXING GLAZING SHIMS ON THE TRANSOM

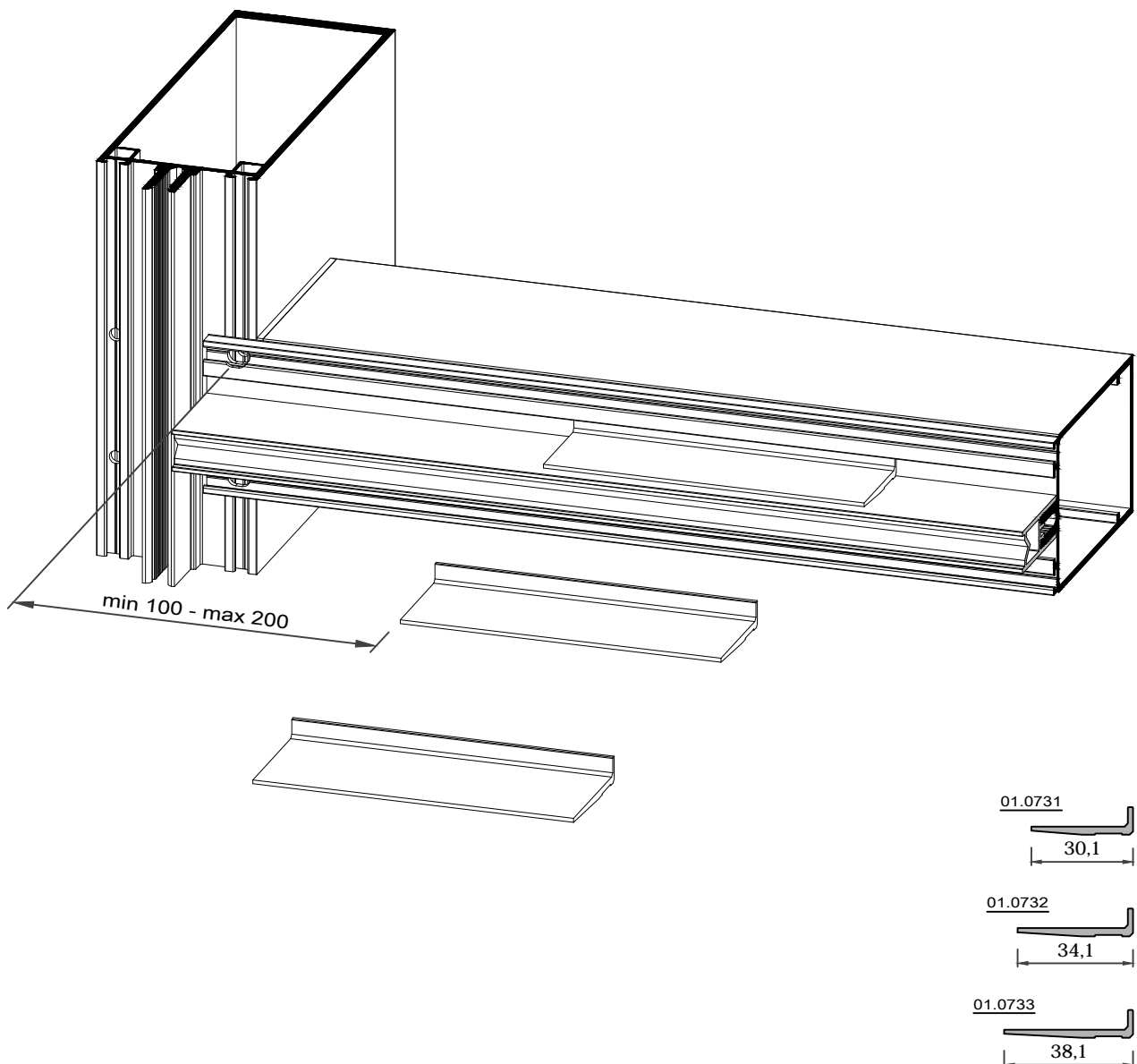
THE ALUMINIUM GLAZING SHIMS ARE UNDERLAYED IN THE TRANSOM AND LAY DOWN ON A THERMAL INSULATION SPACER (WHICH HAS BEEN FIXED BEFORE THAT).

BEFORE FIXING THE GLAZING ,PVC LEVELING PADS ARE INSTALLED ON THE SHIMS.

IF YOU CUT THEM FROM A POLE THEIR LENGTH SHOULD BE 100 MM.

TWO SHIMS HAVE TO BE PUT ON A TRANSOM. THE DISTANCE THEY ARE FIXED FROM THE EDGE OF THE PROFILE IS DIFFERENT EVERY TIME AND DEPENDS ON THE LENGTH OF THE PROFILE.

MINIMUM DISTANCE FROM THE MULLION EDGE IS 100 MM, MAXIMUM 200 MM.



TECHNICAL DETAILS

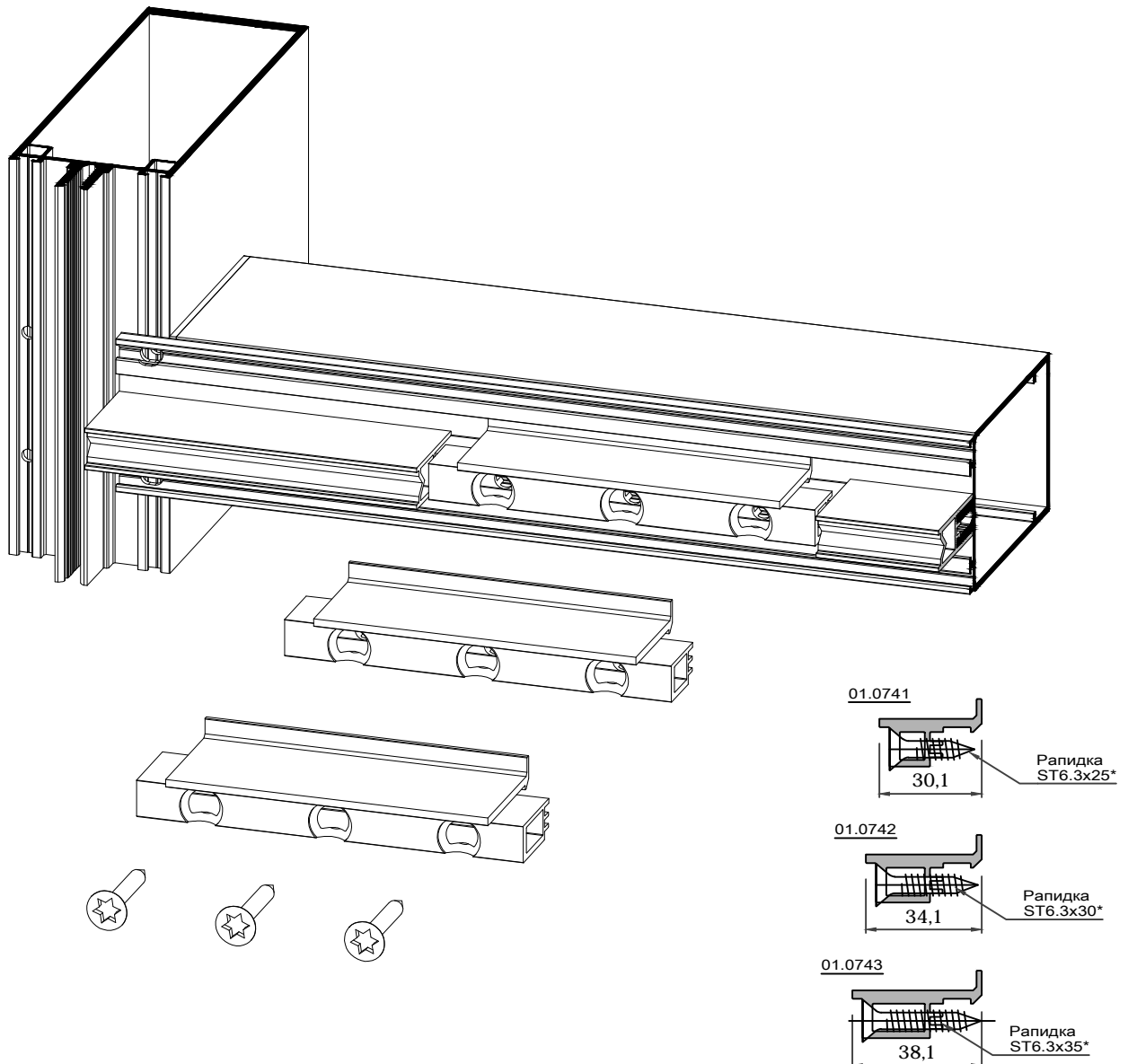
/ATTACHING THE GLAZING TO THE ALUMINIUM PROFILES/

FIXING REINFORCED GLAZING SHIMS ON THE TRANSOM

THE SPECIAL (REINFORCED) ALUMINIUM SHIMS FOR HEAVY GLAZINGS ARE UNDERLAYED IN THE TRANSOM AND FIXED TO IT BY THREE SCREWS (THE DIAMETER OF EACH ONE IS 6,3 mm ; THE LENGTH DEPENDS ON ITS WIDTH). THE THERMAL INSULATION SPACER SHOULD BE CUT IN ITS CONTACT AREA WITH THE GLAZING SHIMS. BEFORE FIXING THE GLAZING PVC LEVELING PADS ARE INSTALLED ON THE SHIM.

THEY ARE ALWAYS MADE OF A STORE ACCESSORY , CUT IN ADVANCE WITH MILLED OPENINGS.

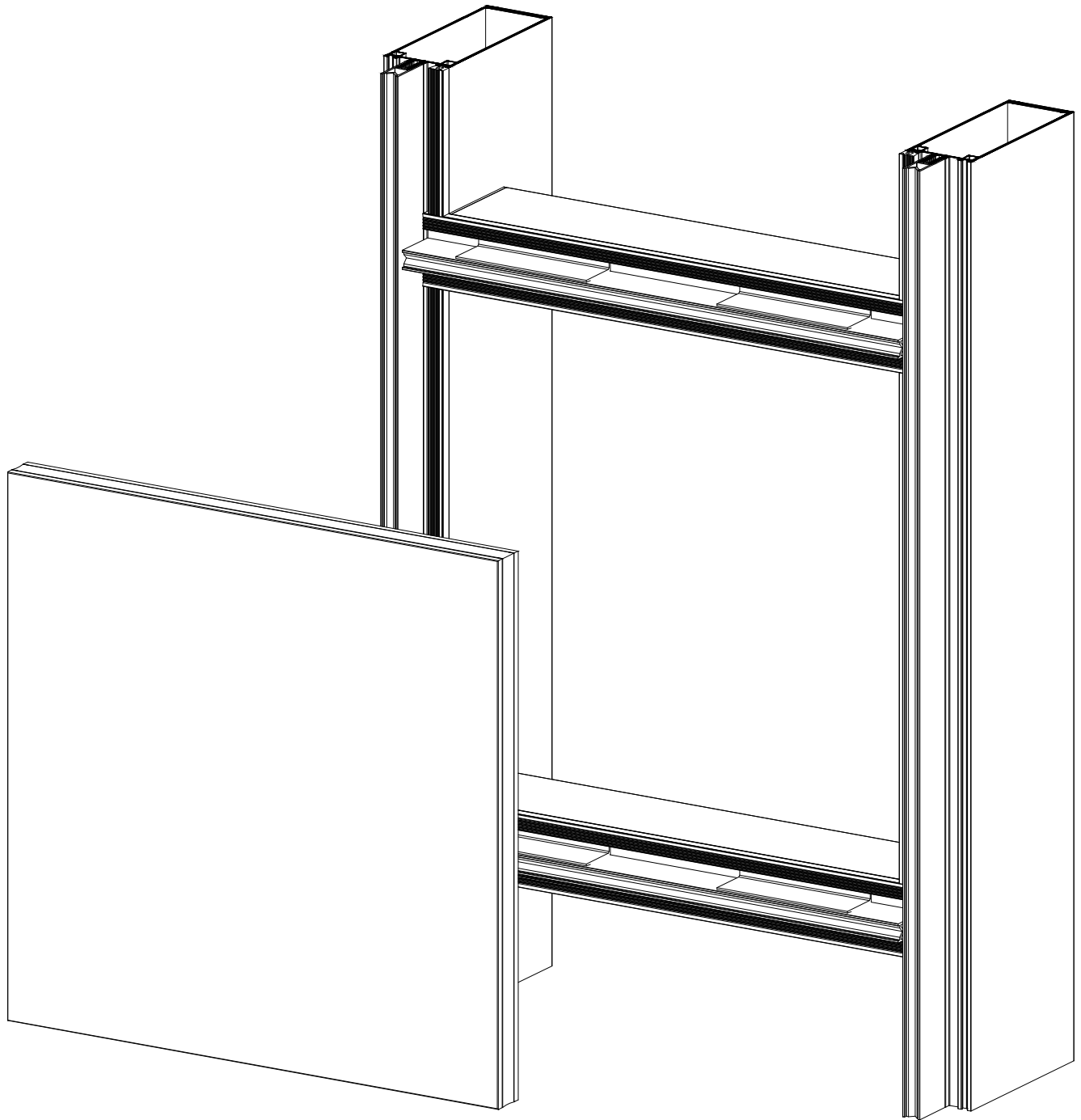
TWO SHIMS MUST BE PUT ON A TRANSOM. IN SOME CASES WHEN THE GLAZING LOADS ARE VERY HEAVY, THE REINFORCED SHIMS MAY BE SHORED SO THAT THE FORCES ARE TRANSMITTED TO ANOTHER CONSTRUCTION AND THE TRANSOM STAYS UNLOADED.



TECHNICAL DETAILS

/GLAZING INSTALLATION/

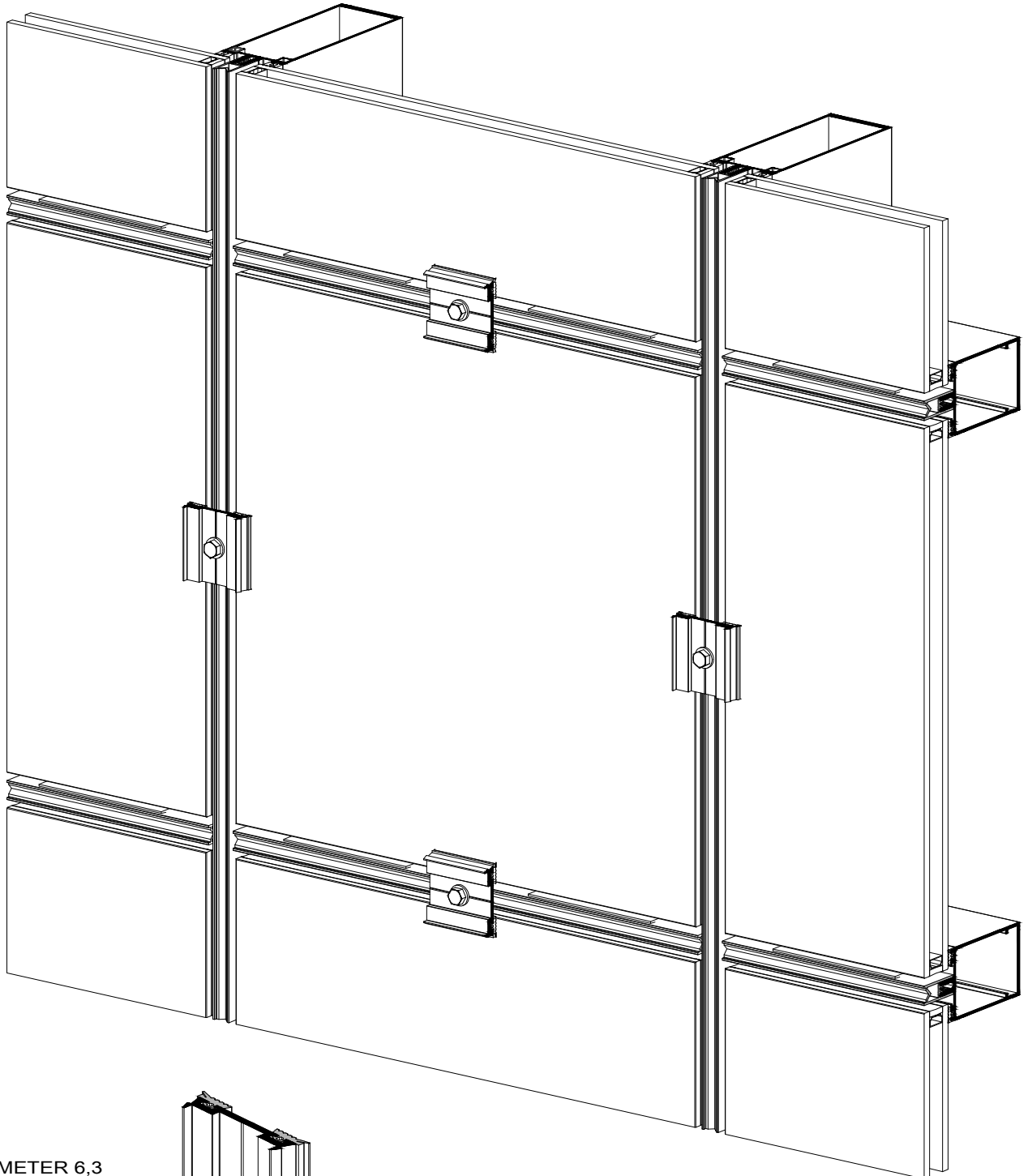
BEFORE THE GLAZING INSTALLATION EPDM GASKETS ARE FIXED TO THE MULLIONS AND TRANSOMS. THEY HAVE TO BE CAREFULLY CUT OUT IN THEIR CONTACT ZONE. IF IT IS REQUIRED THEY CAN BE STICK TO EACH OTHER BY USING A SPECIAL TYPE OF CURING GLUE. AFTER PUTTING THE GLAZING ON ITS PLACE, IT IS TEMPORARY ATTACHED TO THE CONSTRUCTION WITH PIECES CUT FROM THE PRESSURE PLATES.



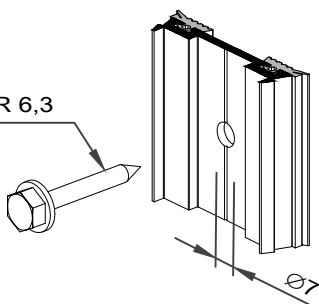
TECHNICAL DETAILS

/GLAZING INSTALLATION/

EPDM GASKETS ARE SET ON THE TEMPORARY PIECES TOO. THEY ARE CAREFULLY ATTACHED TO THE CONSTRUCTION. IT IS REQUIRED NOT TO PRESS THE GLAZING TOO HARD IN ORDER NOT TO BREAK IT.



DIAMETER 6,3



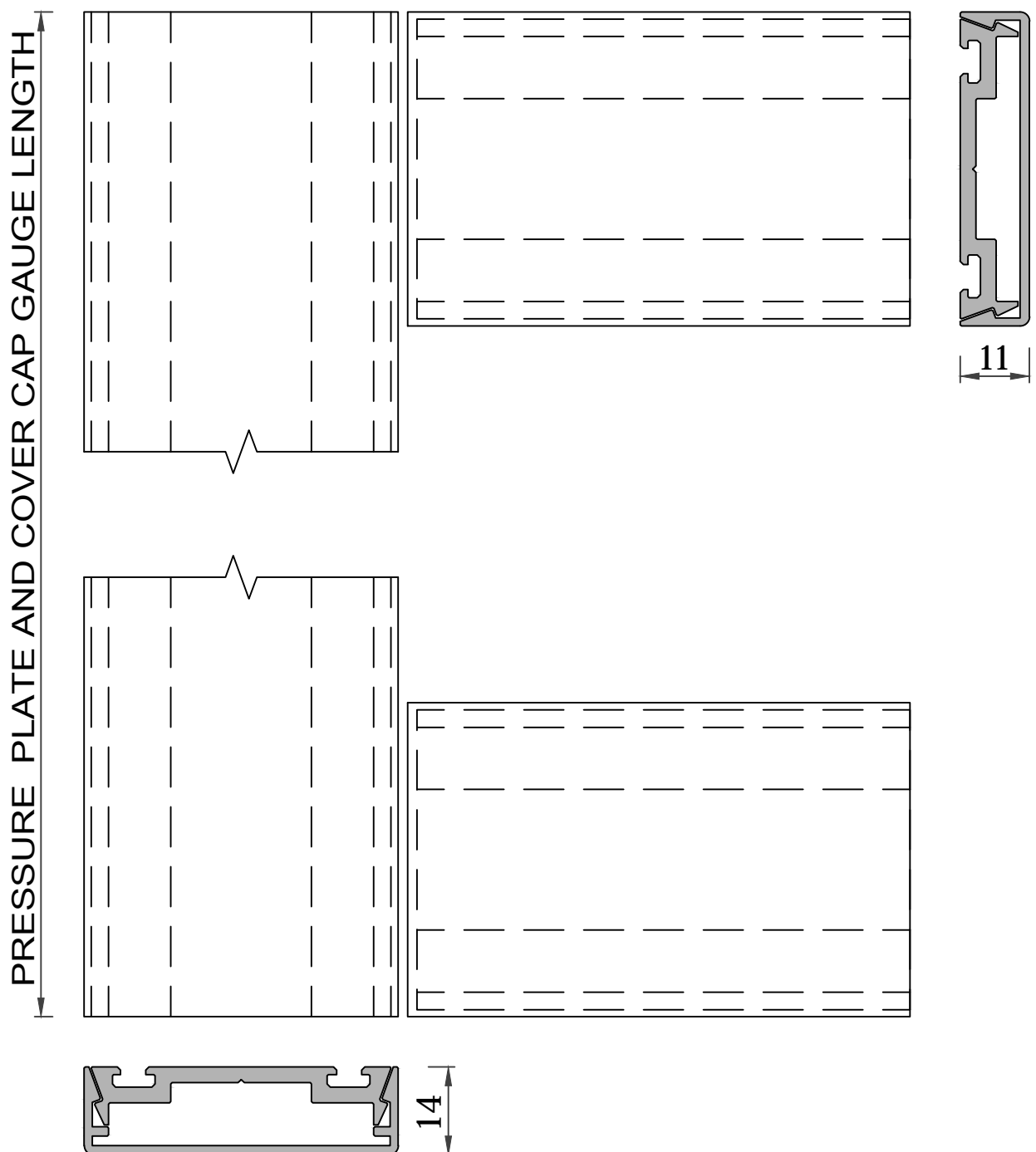
TECHNICAL DETAILS

/MULLION PRESSURE PLATE AND COVER CAP INSTALLATION/

USUALLY WHEN INSTALLING CURTAIN WALLS WITH COVER CAPS, THE MULLION COVER CAP IS BIGGER THAN THE ONE OF THE TRANSOM (IT JUTS OUT). IN THAT CASE ITS HEIGHT DEPENDS ON THE TRANSOM PLACEMENT, IT STARTS FROM THE LOWER EDGE OF THE LOWEST TRANSOM AND ENDS AT THE UPPER EDGE OF THE HIGHEST TRANSOM.

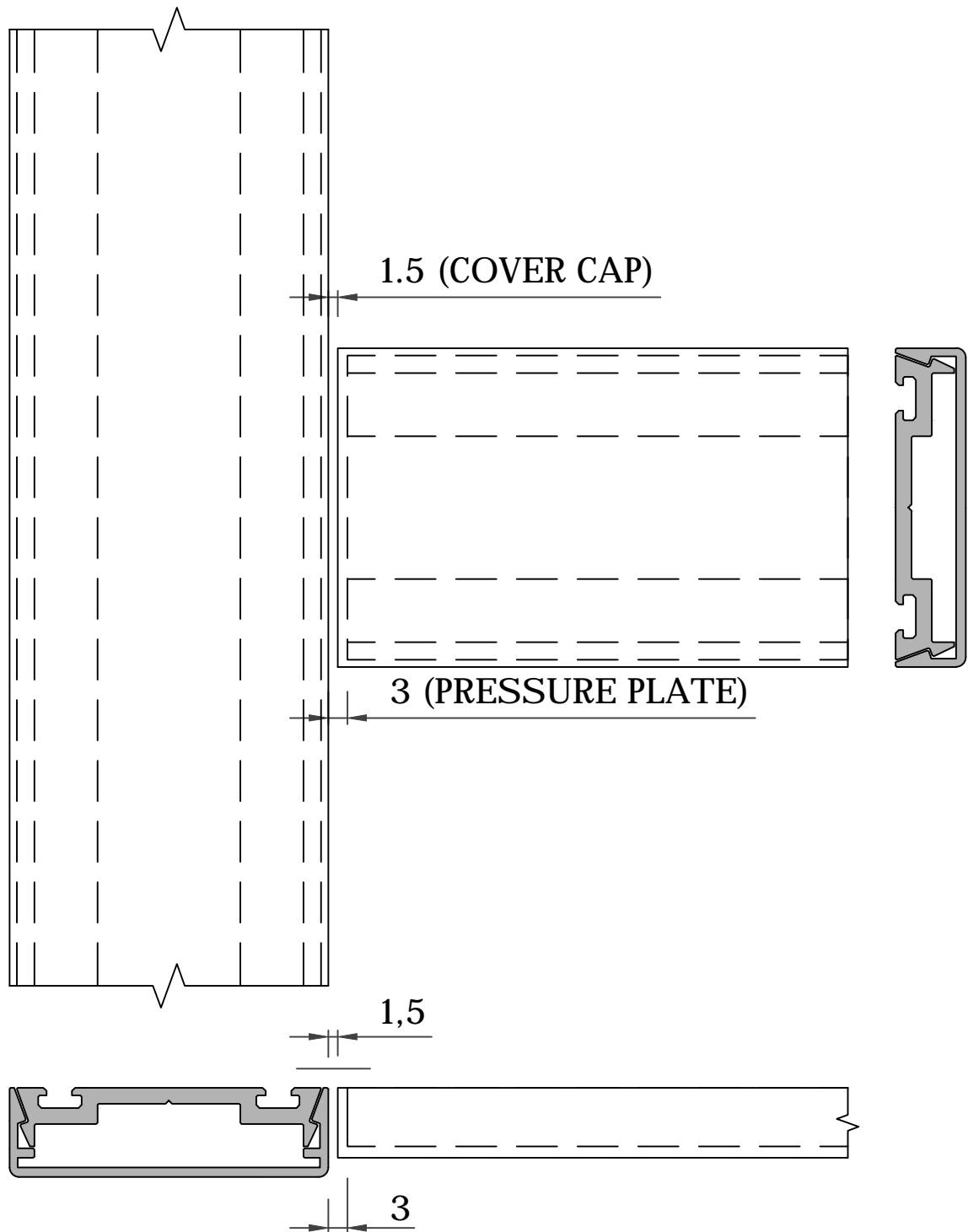
THE LENGTH OF THE PRESSURE PLATE IS EQUAL TO THE LENGTH OF THE COVER CAP.

IT IS POSSIBLE A DIFFERENT PLACEMENT TO BE DONE IF THERE ARE OTHER TYPES OF CONSTRUCTIONS.



TECHNICAL DETAILS

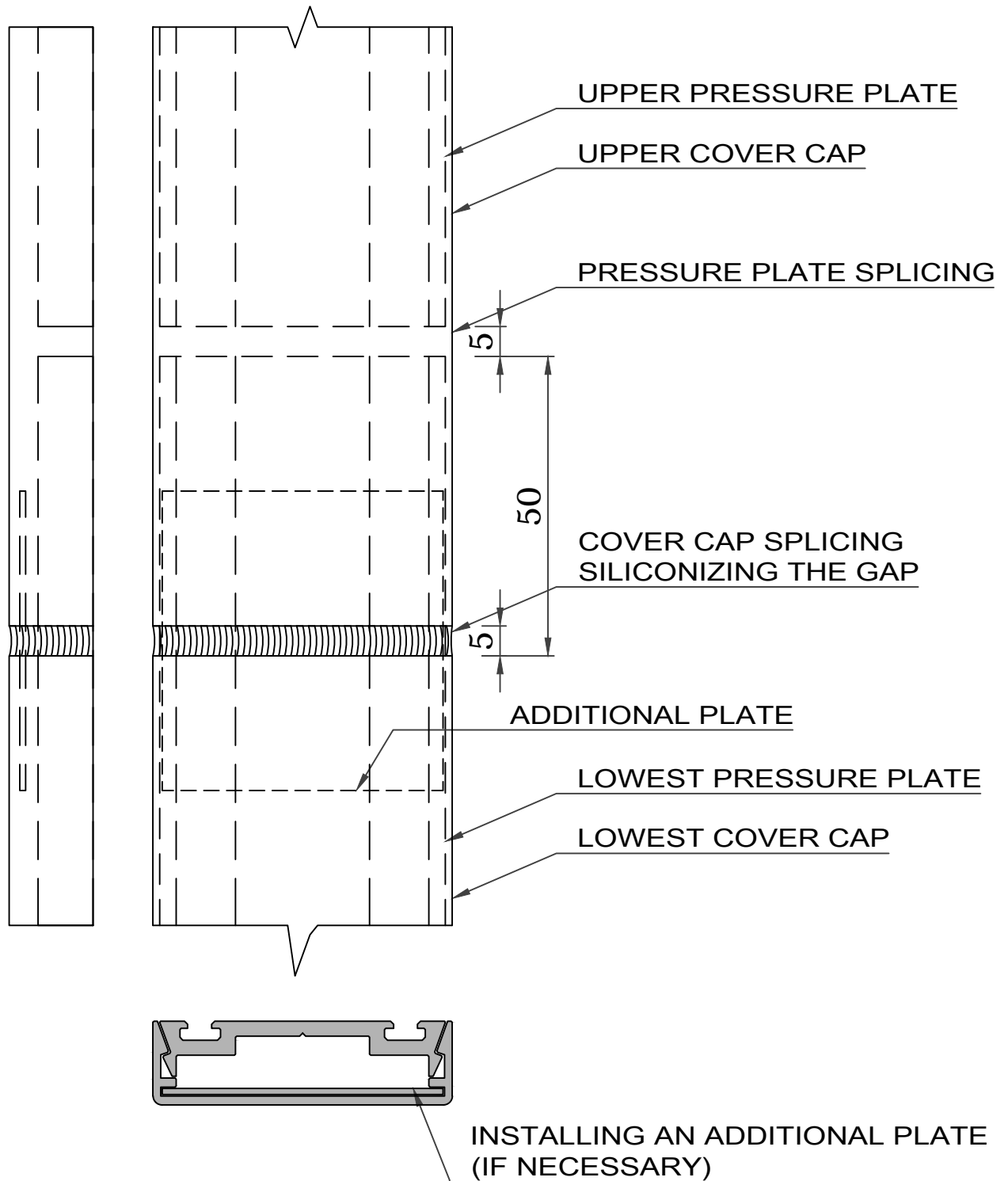
/TRANSOM PRESSURE PLATE AND COVER CAP INSTALLATION/



A 1,5 MM GAP TO THE TRANSOM COVER CAP SHOULD BE PROVIDED IN CASES OF THERMAL EXPANSION. THE 3 MM GAP TO THE PRESSURE PLATE IS IN ORDER TO PREVENT THE CONTACT WITH THE HORIZONTAL EPDM GASKET. THE LENGTH OF THE HORIZONTAL EPDM GASKET IS EQUAL TO THAT OF THE PRESSURE PLATE.

TECHNICAL DETAILS

/COVER CAPS LONGITUDINAL CONNECTING/

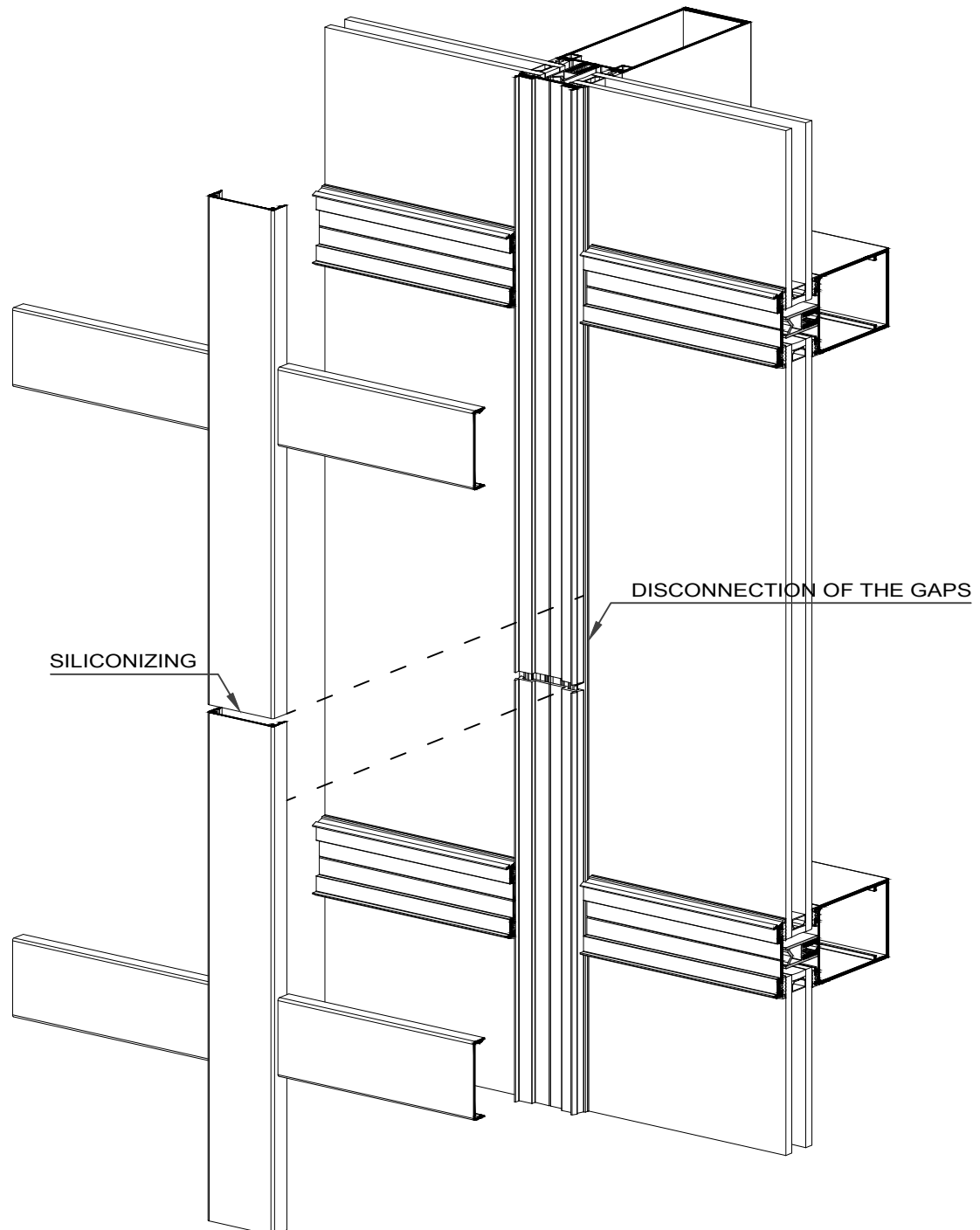


WHEN THERE IS A LONGITUDHIAL CONNECTION THE PRESSURE PLATE AND THE COVER CAP GAPS SHOULD NOT BE IN TOUCH WITH EACH OTHER. THE SIZE OF THE GAP SHOULD BE CHOSEN ACCORDING TO THE LENGTH OF THE MULLION(IT IS POSSIBLE TO BE MORE THAT 5 MM). THE VERTICAL EPDM GASKET IS UNDIVIDED.

TECHNICAL DETAILS

/COVER CAPS LONGITUDINAL CONNECTING/

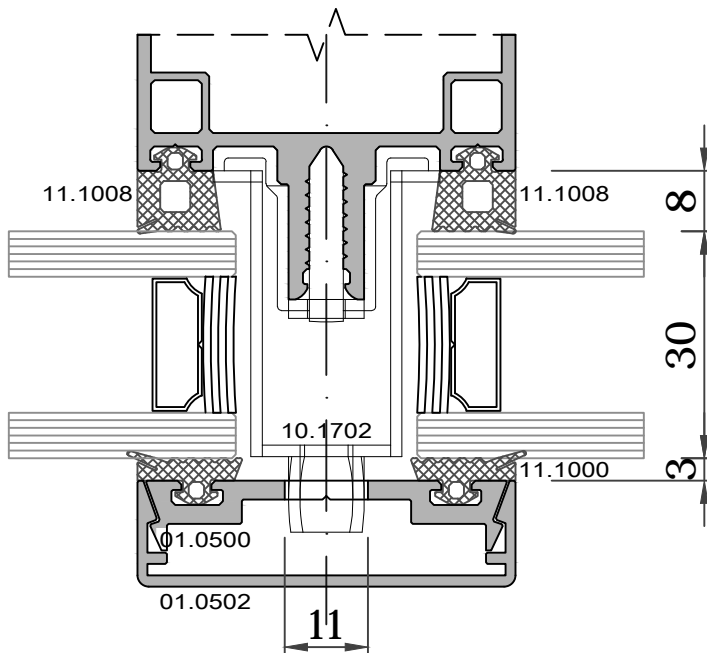
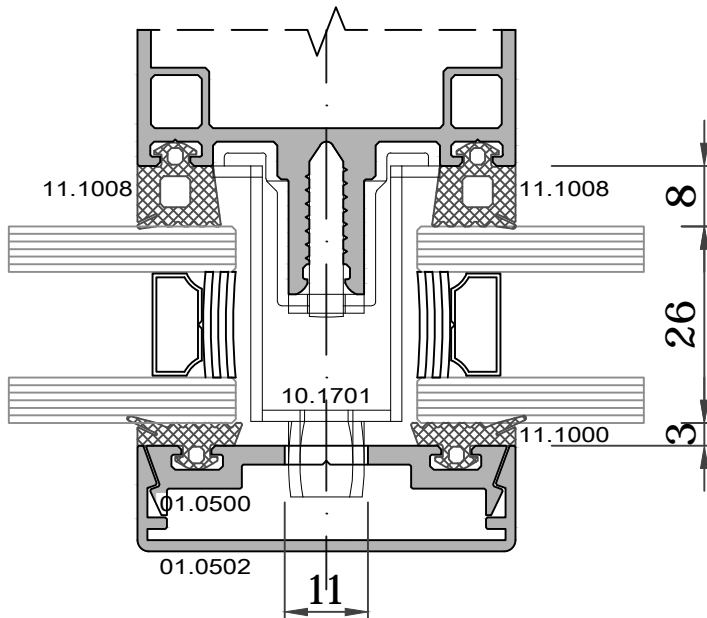
THE DISCONNECTION OF THE SPLICING GAPS SHOULD BE DECIDED DURING THE PROCESS OF CONSTRUCTION. THE LONGITUDIAL CONNECTION SHOULD NOT BE IN THE AREA OF DISCONNECTION OF THE GAPS.



TECHNICAL DETAILS

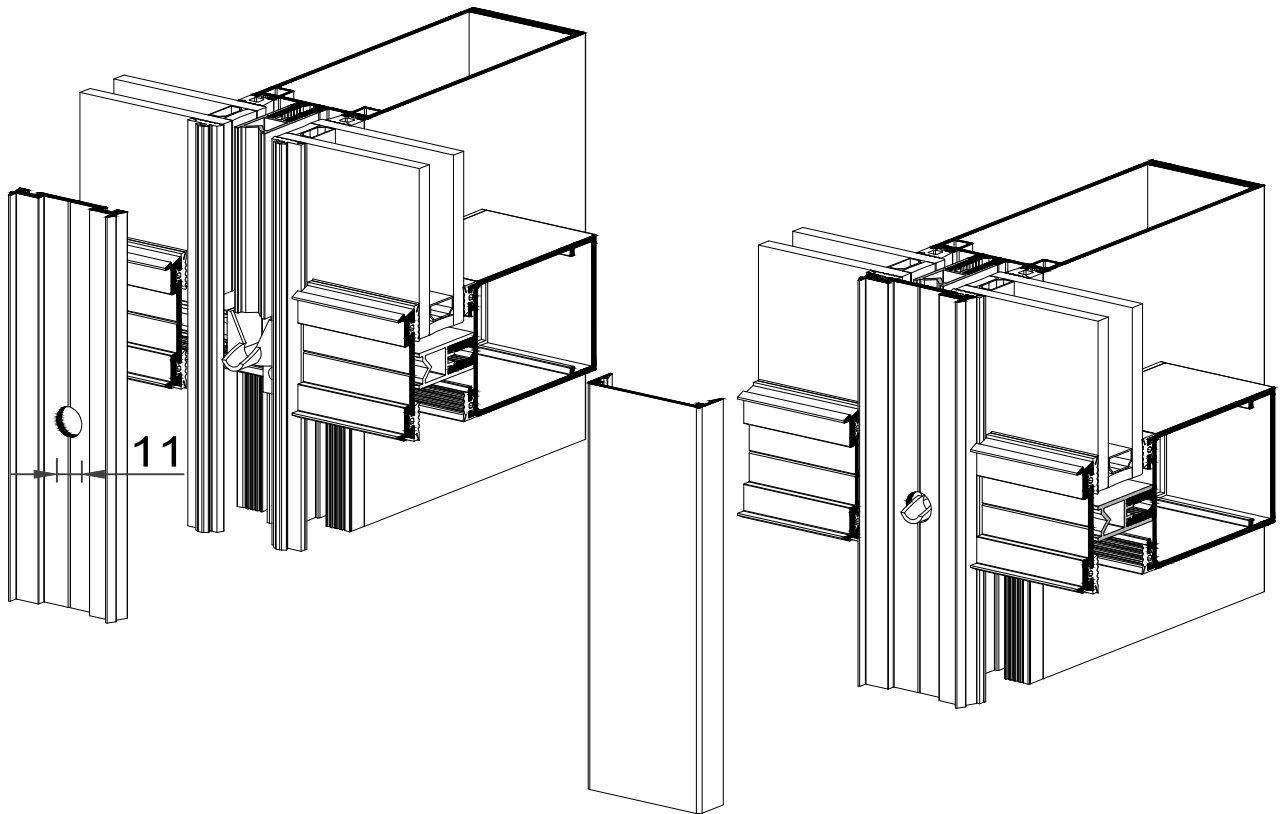
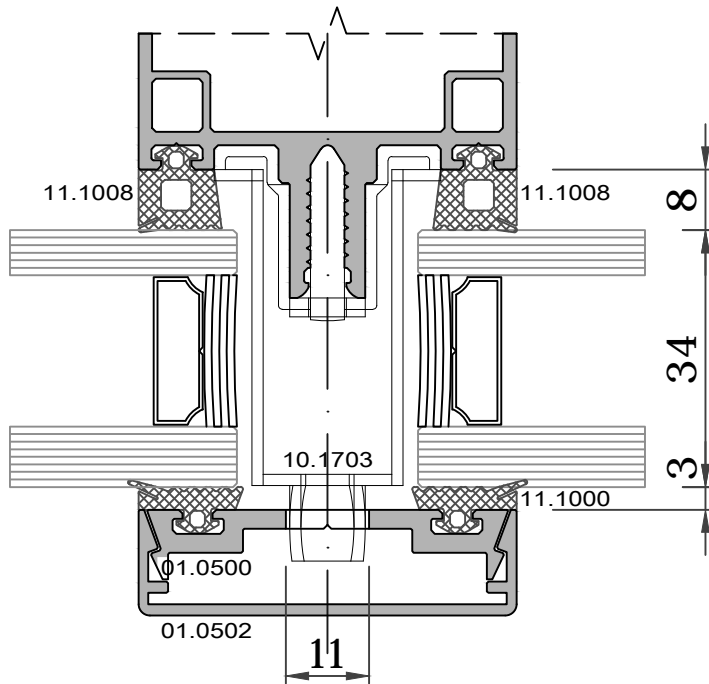
/MACHINING IN THE LOWER EDGE OF THE PRESSURE PLATE/

DRILLING A HOLE IN THE PRESSURE PLATE IN FRONT OF THE DRAINAGE PROFILE IN ORDER TO CARRY THE CONDENSING MOISTURE OUT OF THE CURTAIN WALL. THE DIAMETER OF THE HOLE IS MIN 11 MM. THE COVER CAP STAYS NOT DRILLED.



TECHNICAL DETAILS

/MACHINING IN THE LOWER EDGE OF THE PRESSURE PLATE /



M 1:1

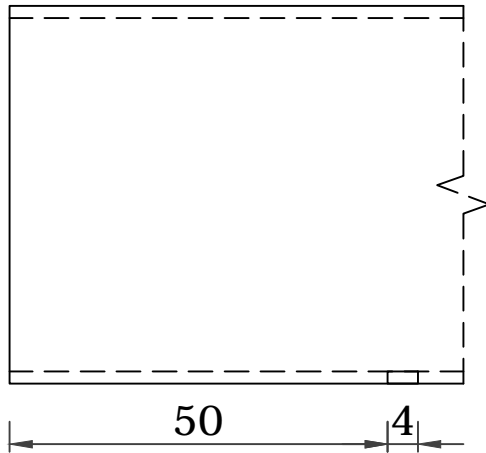
38

TECHNICAL DETAILS

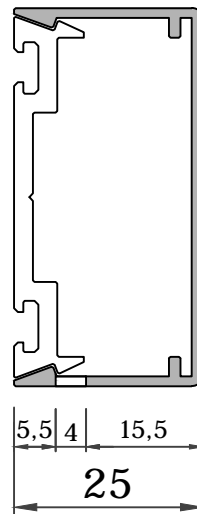
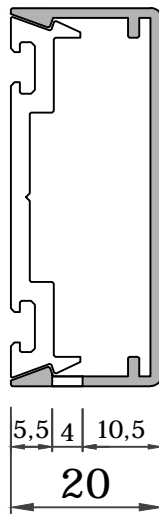
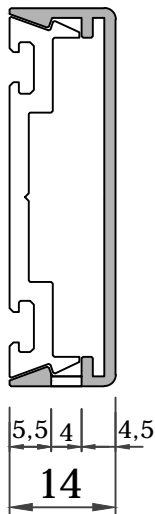
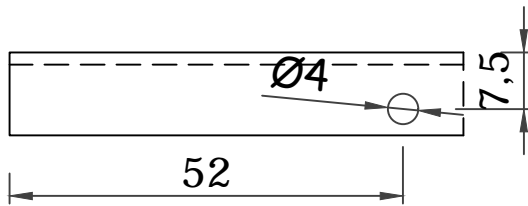
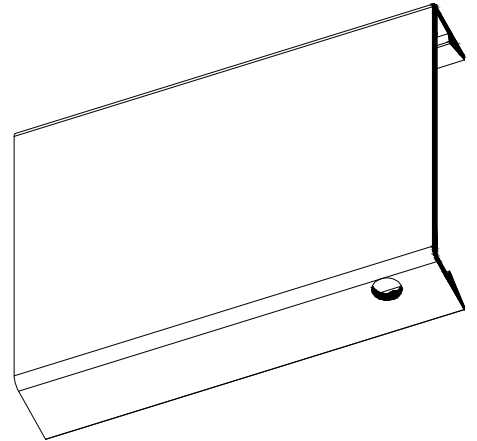
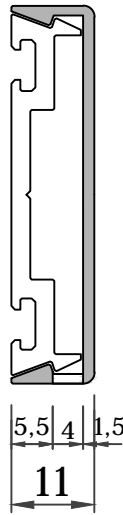
/MACHINING IN THE TRANSOM COVER CAP/

DRILLING HOLES IN THE LOWER SIDE OF THE TRANSOM'S COVER CAP (FOR ALL SIZES).
THE DIAMETER OF THE HOLE IS 4 MM AND IT IS DRILLED IN BOTH OF THE SIDES .

VIEW FROM ABOVE



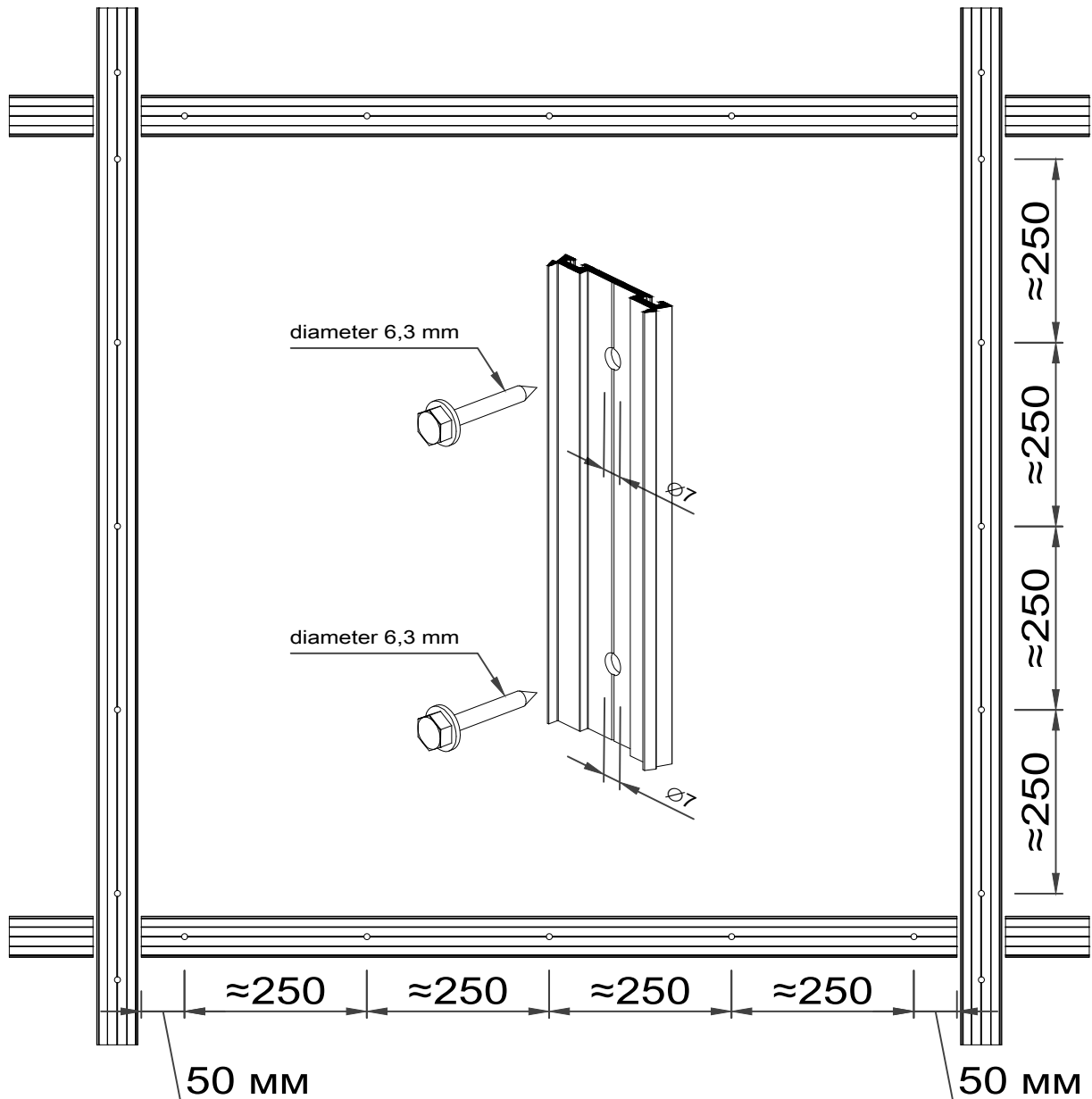
SECTIONS



TECHNICAL DETAILS

/FASTENING THE PRESSURE PLATE/

THE DIAMETER OF THE SCREWS USED TO FIX THE PRESSURE PLATE IS ALWAYS 6,3MM. THEY ARE RECOMMENDED TO BE WITH HEXAGONAL HEADS. SCREWS LENGTH DEPENDS ON THE WIDTH OF THE EPDM GASKETS AND THE GLAZING USED. THE HOLES DIAMETER IS 7MM AND THEY ARE MADE IN ADVANCE. THE FASTENING POINTS ARE SHOWN ON THE SCHEME BELOW.

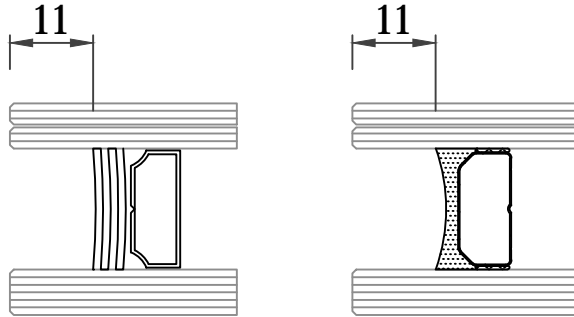


TECHNICAL DETAILS

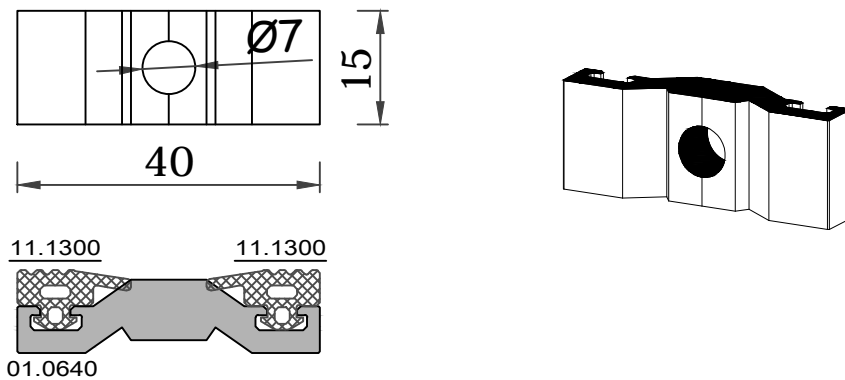
/STRUCTURAL GLASS FACADE FIXING/FASTENING/INSTALLATION/ GLAZING /OPTION 1/

WHEN CONSTRUCTING THE GLAZING, THE BEAD (NO MATTER ITS TYPE) HAS TO BE PUT INWARDS SO AFTER SILICONIZING (OR APPLYING ANY OTHER TYPE OF CAPSULATION) THERE REMAINS ENOUGH SPACE FOR PLACING THE PRESSURE PLATE.

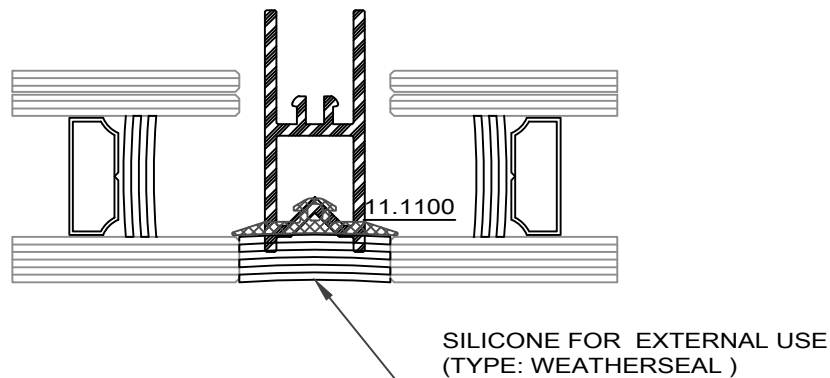
THE INSIDE GLASS OF THE GLAZING MUST HAVE A MULTI-LAYERED STRUCTURE (TRIPLEX).



CUT 15 MM LONG PLATES FROM PROFILE 01.0640 AND THEN DRILL A HOLE $\varnothing 7$ MM.
AFTER THAT PUT AN EPDM GASKET 11.1300.



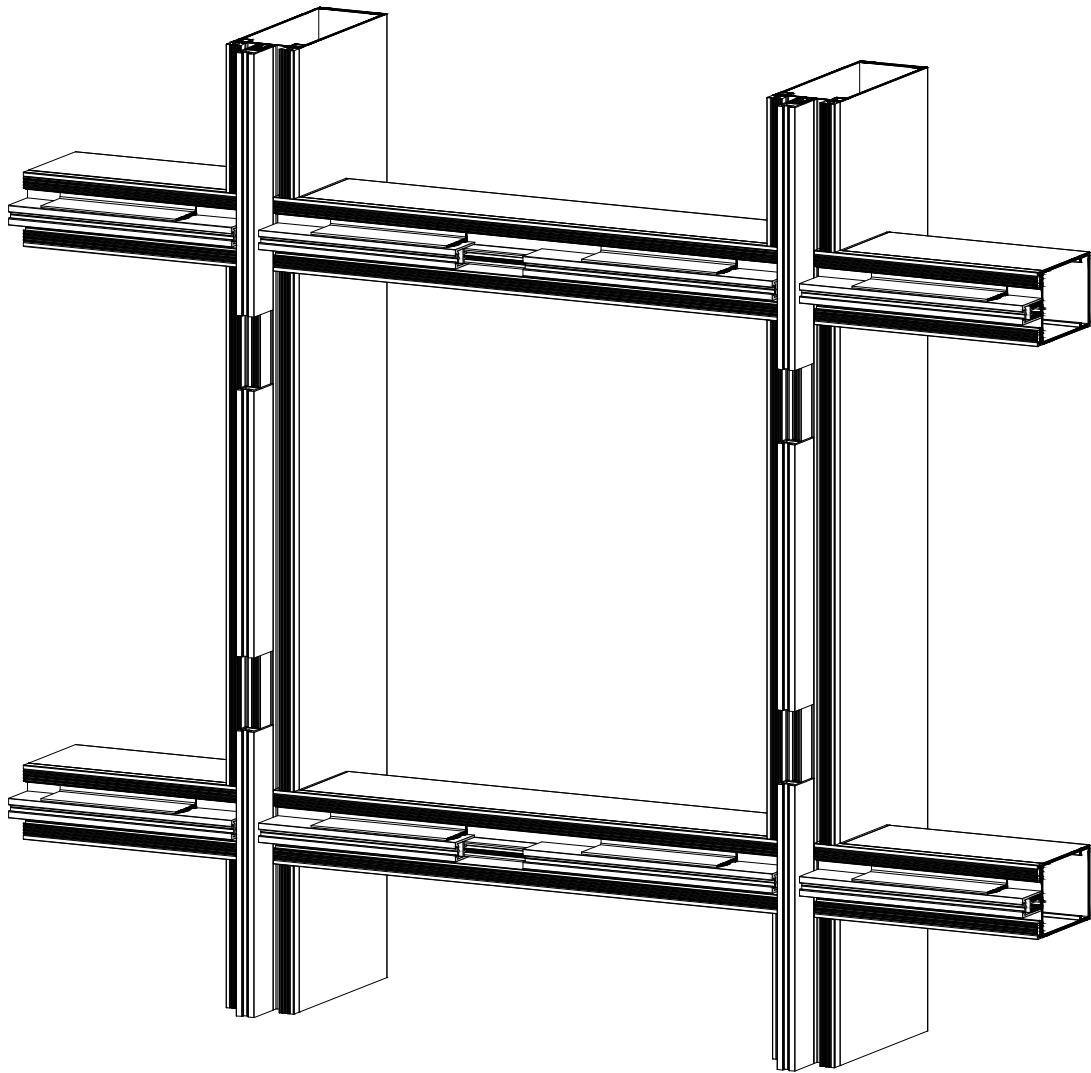
A SPECIAL KIND (CERTIFIED BY THE PRODUCER) OF SILICONE IS REQUIRED, SO THAT IT IS APPROPRIATE TO BE USED ACCORDING TO THE WEATHER CONDITIONS IN THE EXACT AREA.



TECHNICAL DETAILS

/STRUCTURAL GLASS FACADE FIXING/FASTENING/INSTALLATION/ GLAZING /OPTION 1/

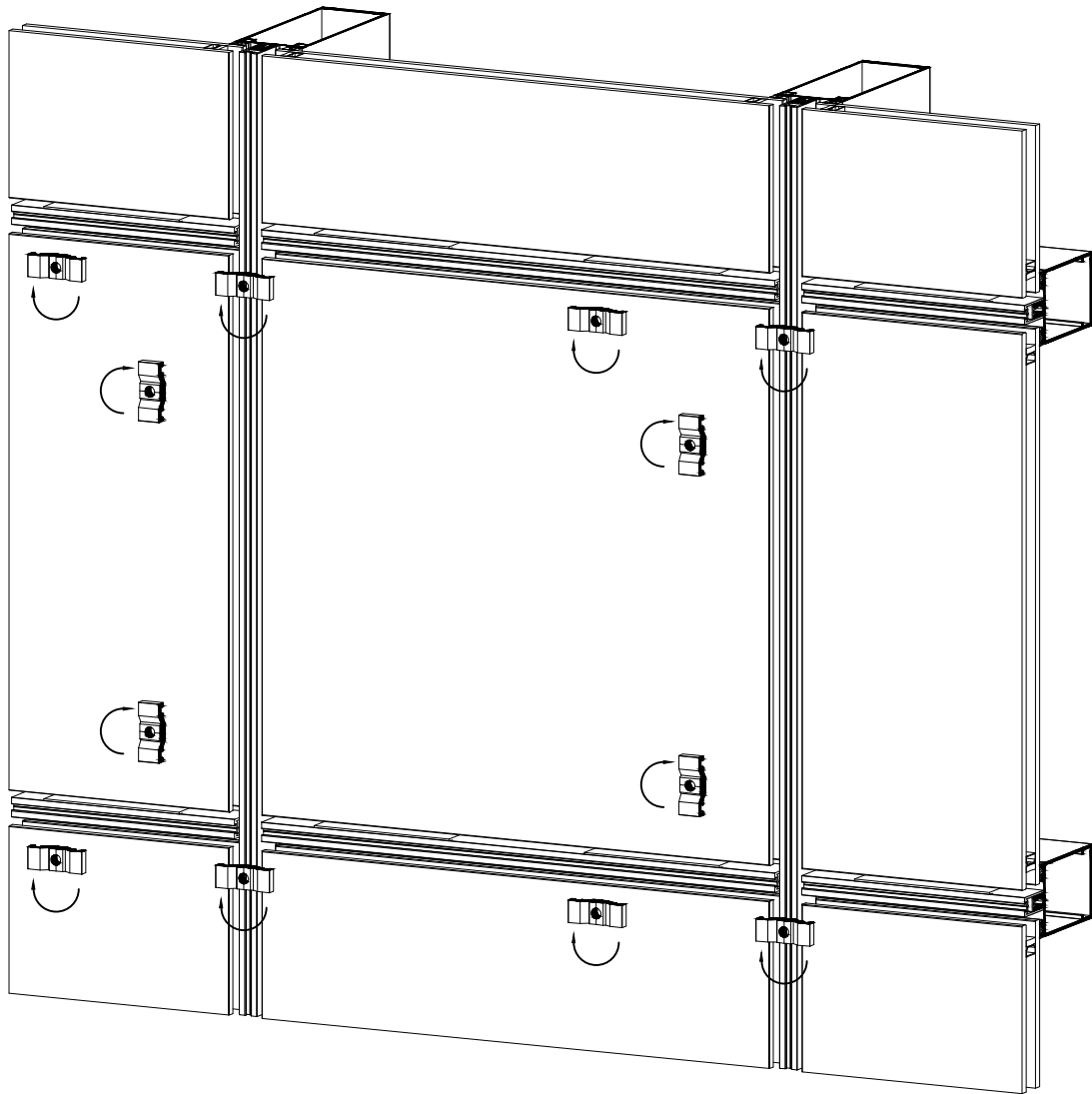
FOLLOW THE INSTRUCTION FOR THE DISTANCE BETWEEN PRESSURE PLATES WHEN INSTALLING THE GLAZING ON THE LOAD-BEARING CONSTRUCTION, THE THERMAL INSULATION SPACER SHOULD BE CUT IN THE PLACES OF THE PLATES.



TECHNICAL DETAILS

/STRUCTURAL GLASS FACADE FIXING/FASTENING/INSTALLATION/
GLAZING /OPTION 1/

FASTENING POINTS ARE SHOWN ON THE SCHEME BELOW.

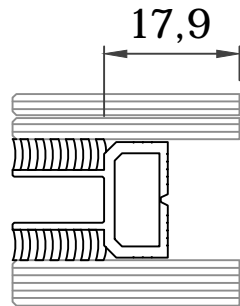


THE SCREWS FOR THE PRESSURE PLATES ARE 6,3 x 25.

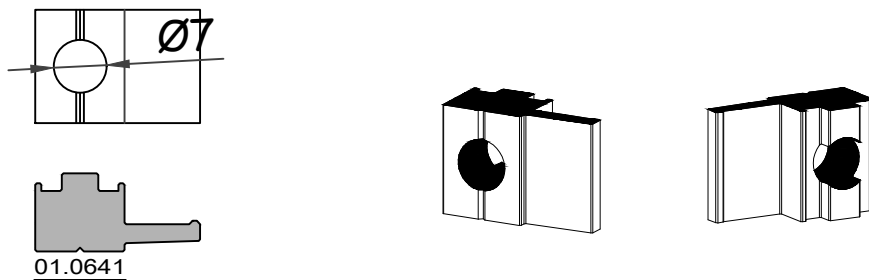
TECHNICAL DETAILS

/STRUCTURAL GLASS FACADE FIXING/FASTENING/INSTALLATION/ GLAZING /OPTION 2/

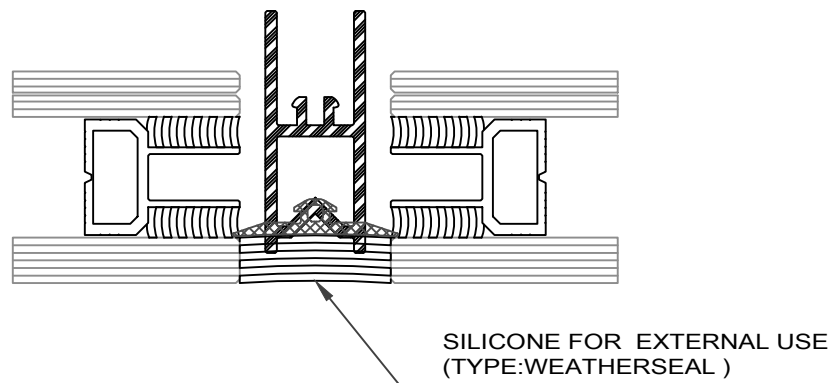
IN THE GLAZING CONSTRUCTION IS USED A SPECIAL BEAD, ATTACHED WITH STRUCTURAL SILICONE. THE BEAD MUST BE ANODISED. CHECK THE EXPIRATION DATE OF THE BEAD COATING (DATE OF PRODUCTION, IMPURITIES OR ANY OTHER DEFECTS) BEFORE SILICONIZING. THE INSIDE GLASS OF THE GLAZING MUST HAVE A MULTI-LAYERED STRUCTURE (TRIPLEX).



CUT 15 mm LONG PLATES FROM PROFILE 01.0641 AND THEN DRILL A HOLE $\varnothing 7$ MM.



A SPECIAL (CERTIFIED BY THE PRODUCER) SILICONE IS REQUIRED, SO THAT IT IS APPROPRIATE TO BE USED ACCORDING TO THE WEATHER CONDITIONS IN THE EXACT AREA.



TECHNICAL DETAILS

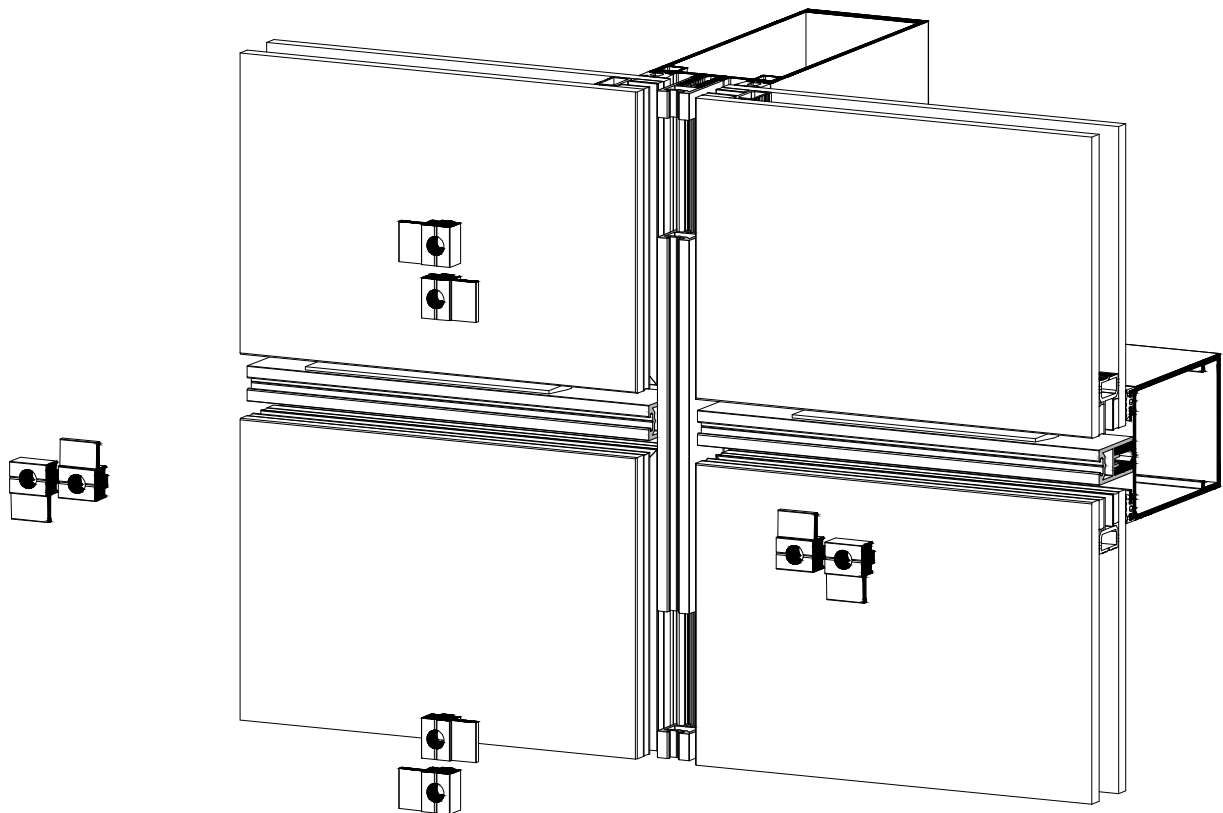
/STRUCTURAL GLASS FACADE FIXING/FASTENING/INSTALLATION/ GLAZING /OPTION 2/

THE DISTANCE BETWEEN THE FIXING POINTS OF THE GLAZING WHERE IT IS ATTACHED TO THE ALUMINIUM LOAD-BEARING CONSTRUCTION DEPENDS ON THE GLAZING DIMENSIONS. FROM ANY OF ITS EDGES THE DISTANCE IS MIN 50 MM, AND BETWEEN THEM IS MAX 250MM.

PLACE THE PIECES SIDE BY SIDE, SO THAT THE RIGHT AND LEFT /RESPECTIVELY UP AND DOWN/ GLAZINGS CAN BE FIXED .

IN THE FASTENING POINTS THE THERMAL INSULATION SPACER MUST BE CUT OUT FOR THE EASY FASTENING OF THE PLATES .

THE FASTENING POINTS ARE SHOWN ON THE SCHEME BELOW.



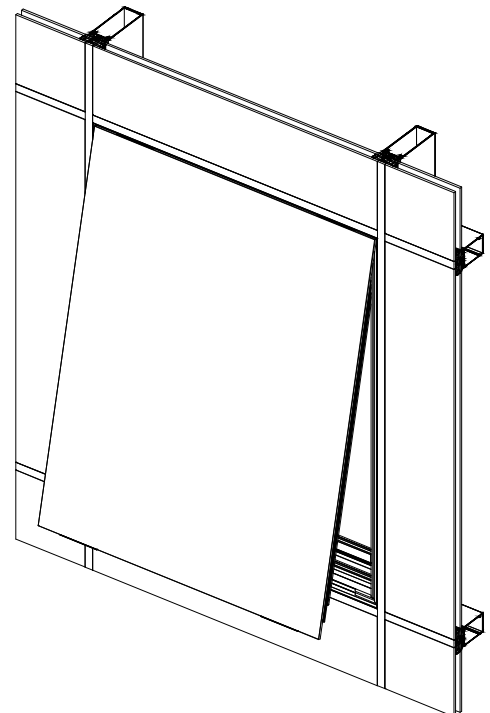
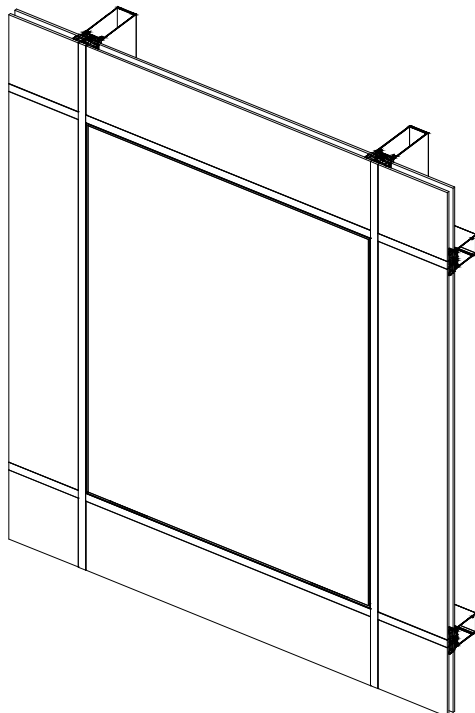
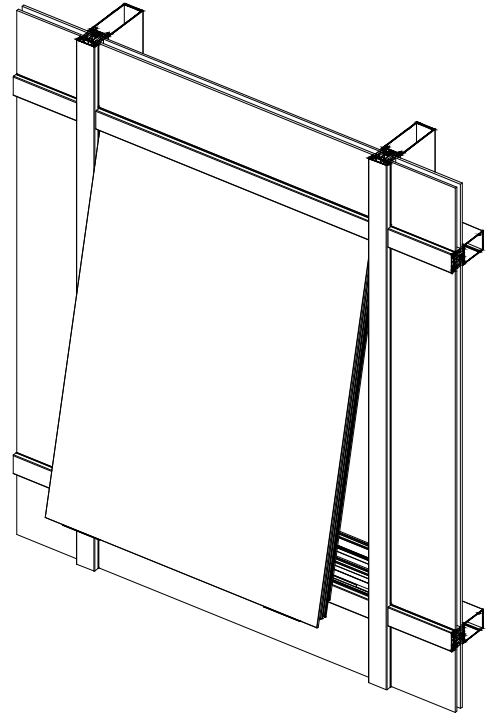
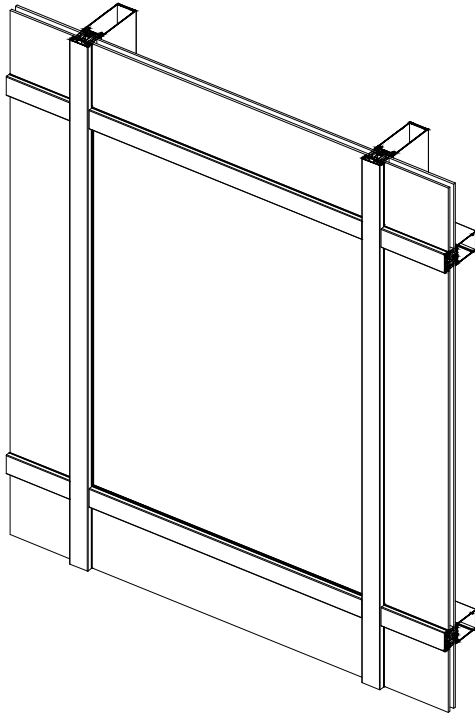
THE SCREWS FOR THE PRESSURE PLATES ARE 6,3 x 25.

TECHNICAL DETAILS

/OUTWARDS PROJECTING WINDOW /

FOR THE OPENING PARTS IS USED AN OUTWARDS PROJECTING WINDOW TYPE, THEY OPEN OUTWARDS HOLDING ON THE UPPER HORIZONTAL AXIS. THE EXTERNAL GLASS OF THE OUTWARDS PROJECTING WINDOW IS AT THE SAME LEVEL WITH THE EXTERNAL GLASSES OF THE OTHER FACADE GLAZINGS. SO WHEN IT IS CLOSED IT DOES NOT CHANGE THE FACADE LOOK.(UNLIKE THE OPENING PARTS MADE BY WINDOW SASHES).

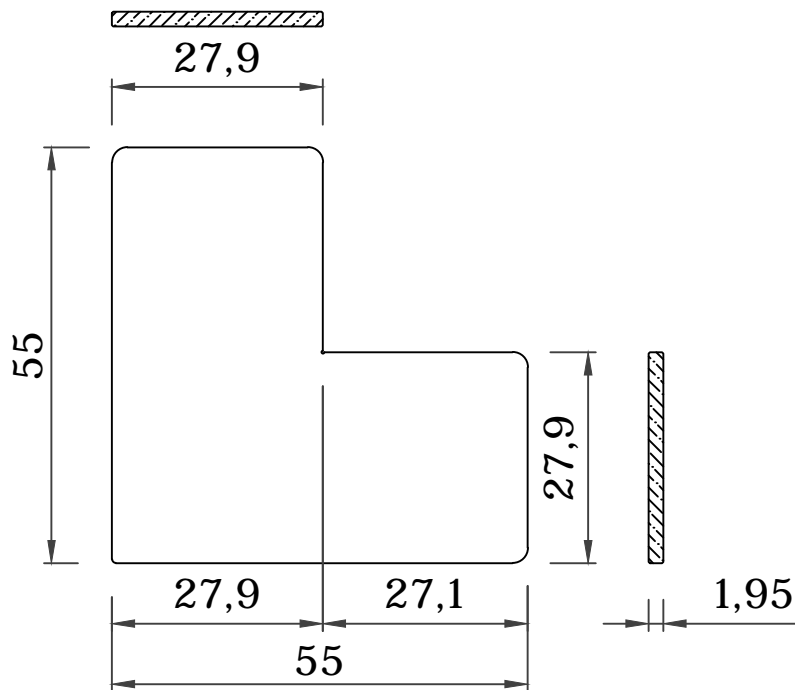
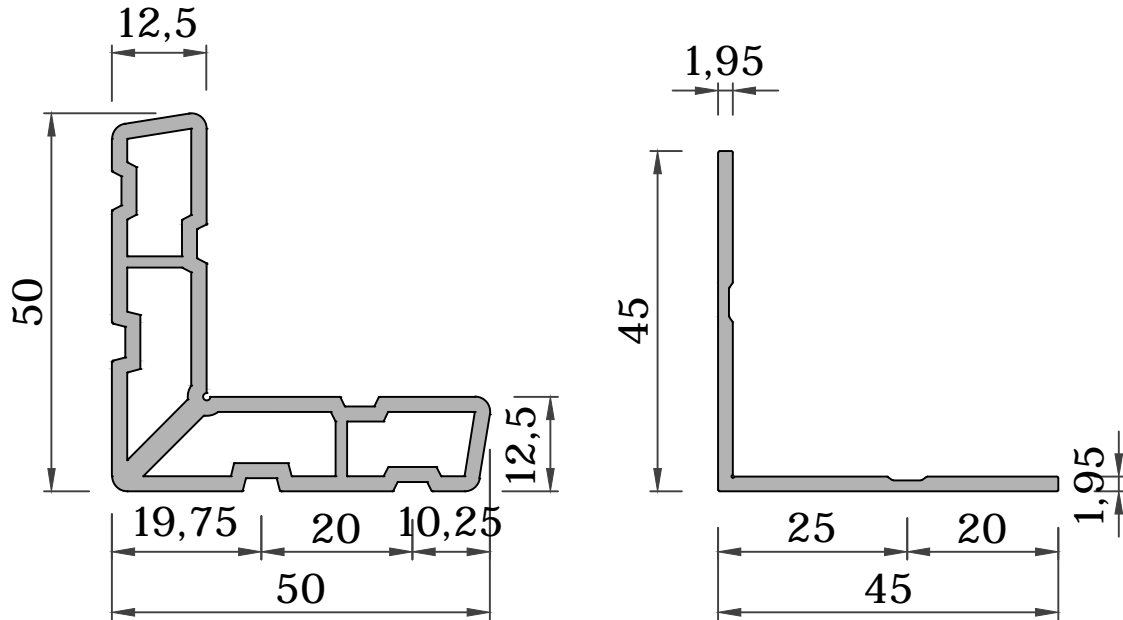
OUTWARDS PROJECTING WINDOW FOR STRUCTURAL GLAZING



TECHNICAL DETAILS

/OUTWARDS PROJECTING WINDOW /

JOINT CORNER BRACKETS FOR OUTWARDS PROJECTING WINDOW
(FOR A PUNCHING MACHINE)



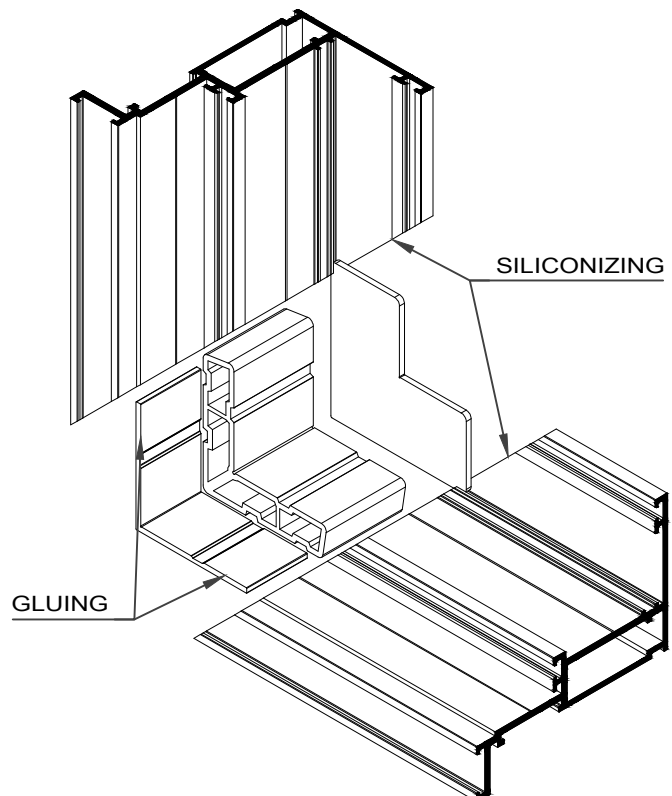
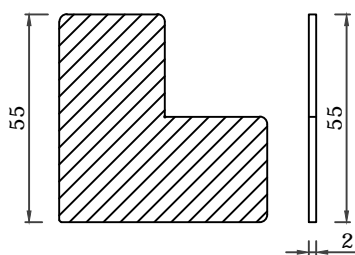
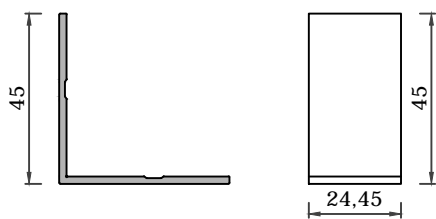
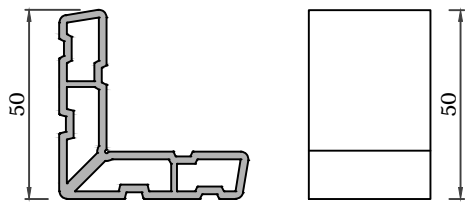
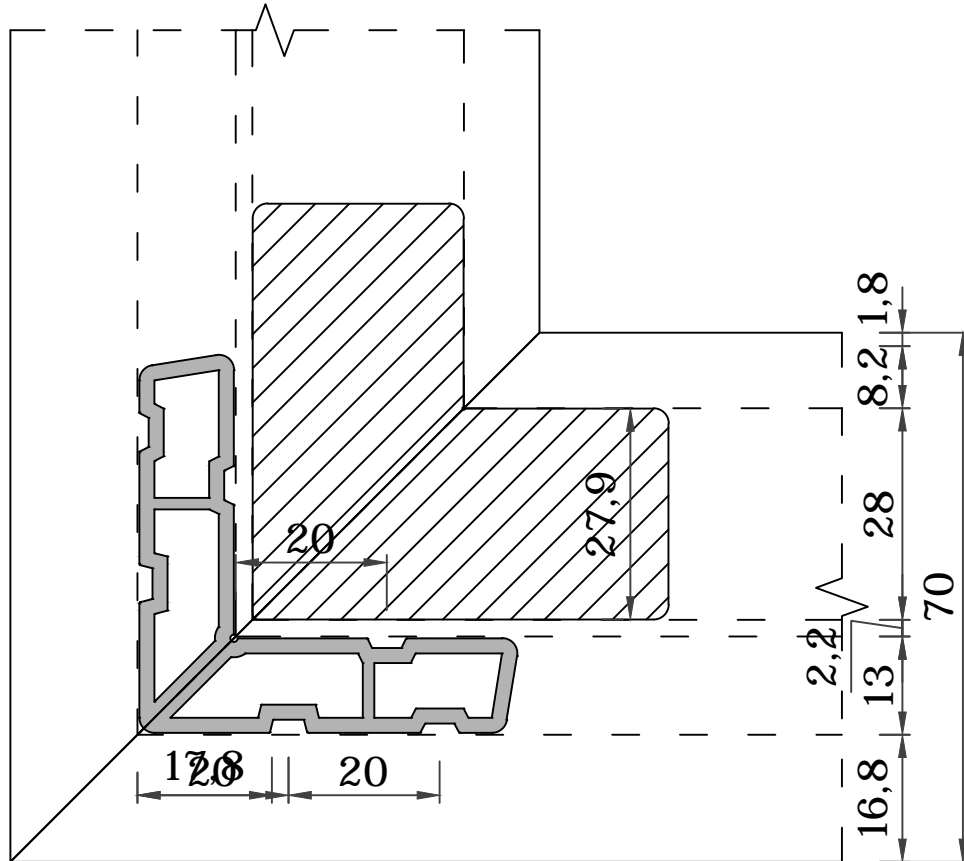
M 1:1

47

TECHNICAL DETAILS

/OUTWARDS PROJECTING WINDOW /

PLACING THE JOINT CORNER BRACKETS INTO THE FRAME OF THE
OUTWARDS PROJECTING WINDOW



M 1:1

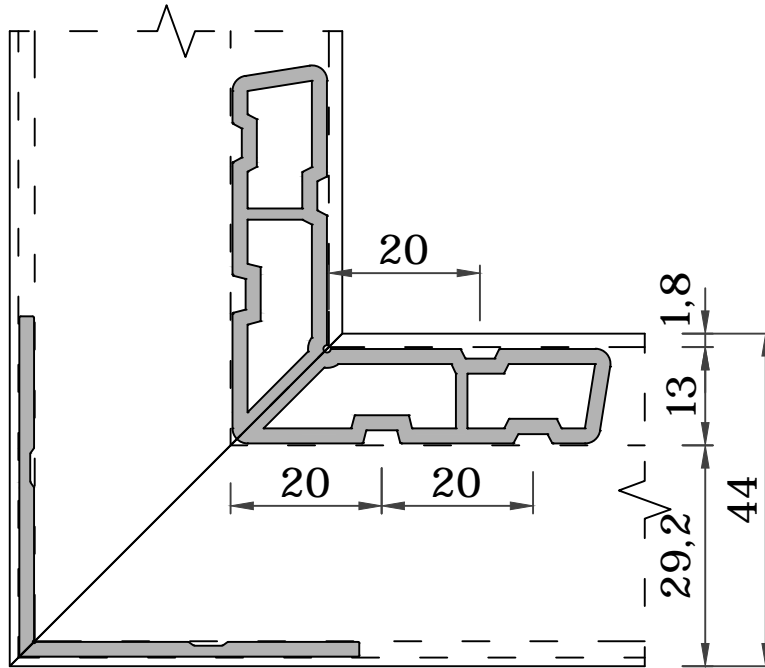
SIZES OF THE JOINT CORNER GASKETS FOR FRAMES.

48

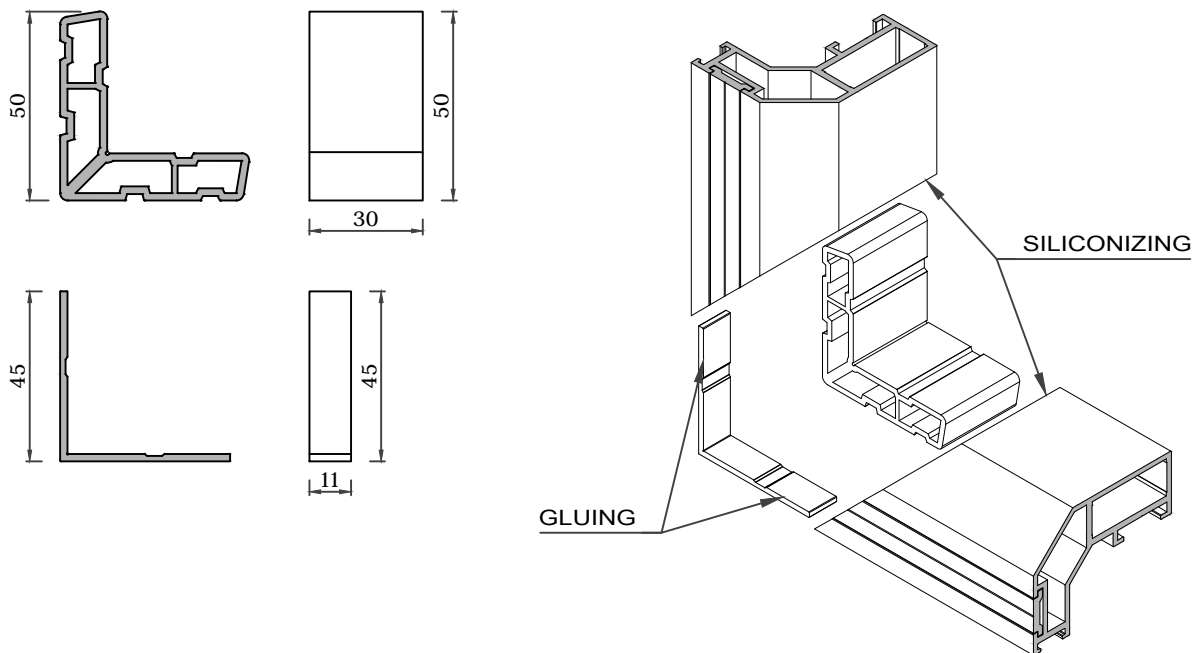
TECHNICAL DETAILS

/OUTWARDS PROJECTING WINDOW /

PLACING THE JOINT CORNER BRACKETS INTO THE SASH
OF THE OUTWARDS PROJECTING WINDOW



SASH JOINT CORNER BRACKETS SIZES



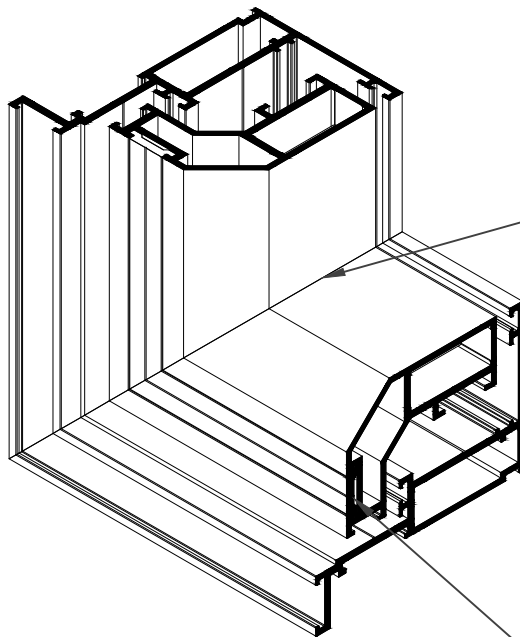
SIZES OF THE JOINT CORNER GASKETS FOR SASHES.

TECHNICAL DETAILS

/OUTWARDS PROJECTING WINDOW /

BEFORE THE PUNCHING, COAT WITH GLUE BOTH THE FRAME AND SASH SURFACES.

ON THE CORNER JOINT COAT WITH SILICONE. AFTER THE PUNCHING CLEAN THE SPOTS OF GLUE AND SILICONE OUTSIDE THE ASSEMBLED FRAME.



CLEANING THE CORNER
FROM SILICONE AND
GLUE AFTER THE
PUNCHING

PROFILE 01.0603 IS PLACED BEFORE THE PUNCHING.
IT MUST BE ANODIZED AND NO POWDER-COATED.
IT IS USED FOR STRUCTURAL FIXING OF THE
GLAZING TO THE SASH.
IT MAY BE MECHANICALLY FIXED TO THE SASH.

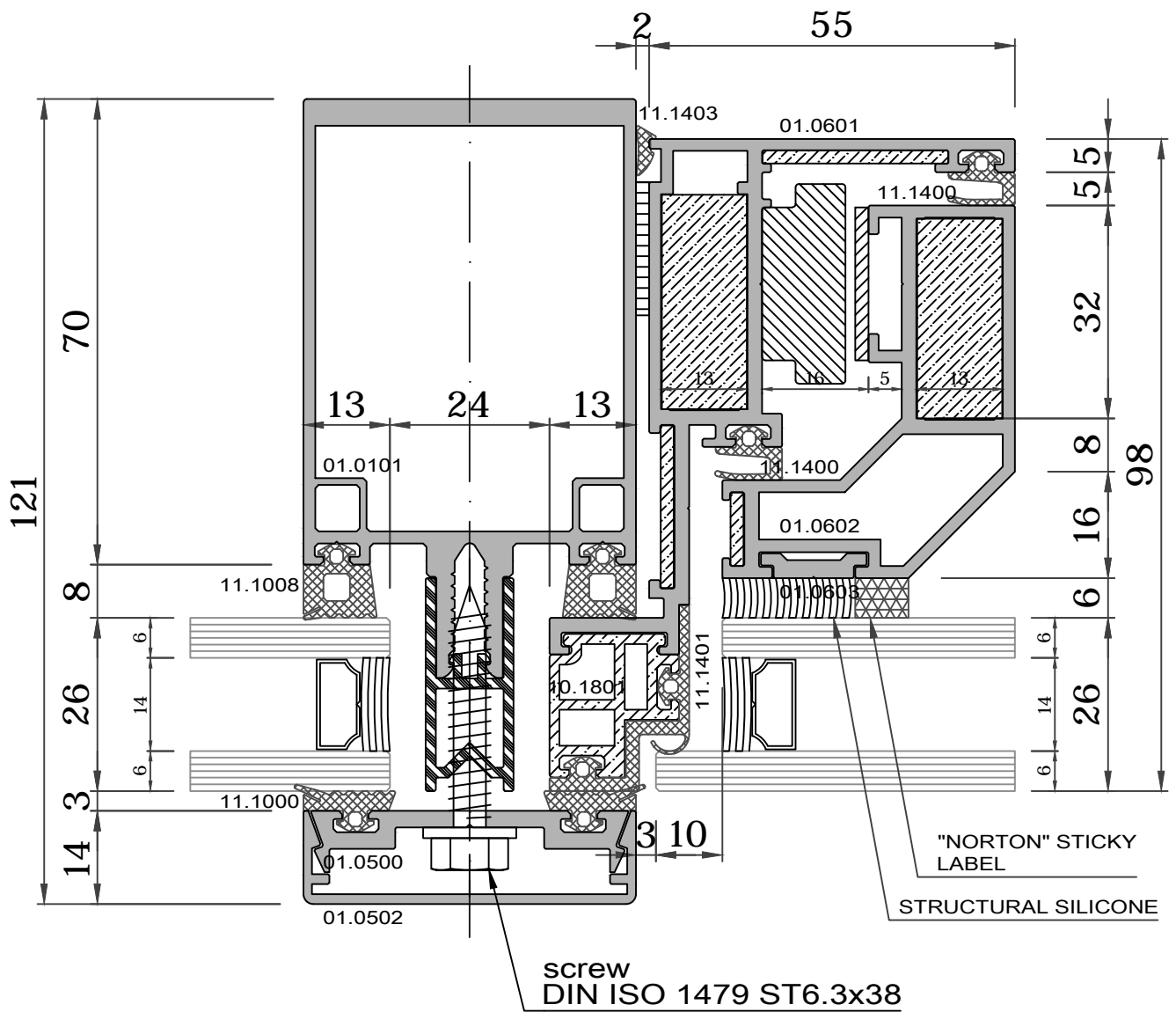
THE "STRUCTURAL" GLUING MUST BE MADE WITH SILICONE OR POLYURETHANE RECOMMENDED BY THE PRODUCER. BEFORE GLUING, THE SURFACE OF THE PROFILE 01.0603 MUST BE CLEANED.

BEFORE LAYING THE SILICONE OR POLYURETHANE , THE GLAZING MUST BE FIXED TO THE FRAME OF THE SASH BY SIDED STICKY LABEL 6 MM (LABEL TYPE:NOROTON).

TECHNICAL DETAILS

/COVER CAP FOR OUTWARDS PROJECTING WINDOW/

SECTIONS

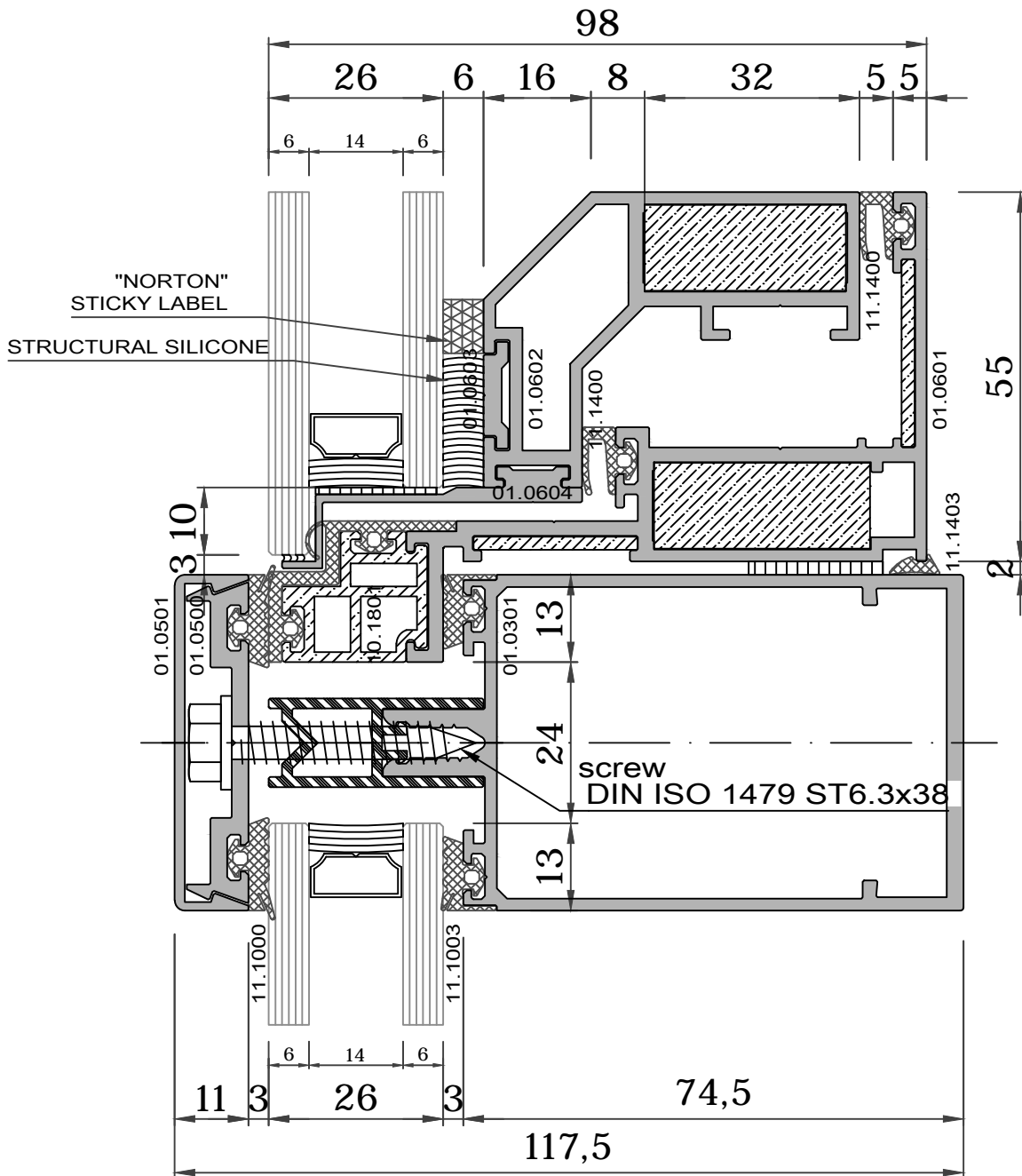


THE MINIMUM MULLION SIZE IN OUTWARDS PROJECTING WINDOW IS 70 mm - 01.0101

TECHNICAL DETAILS

/COVER CAP FOR OUTWARDS PROJECTING WINDOW/

SECTIONS

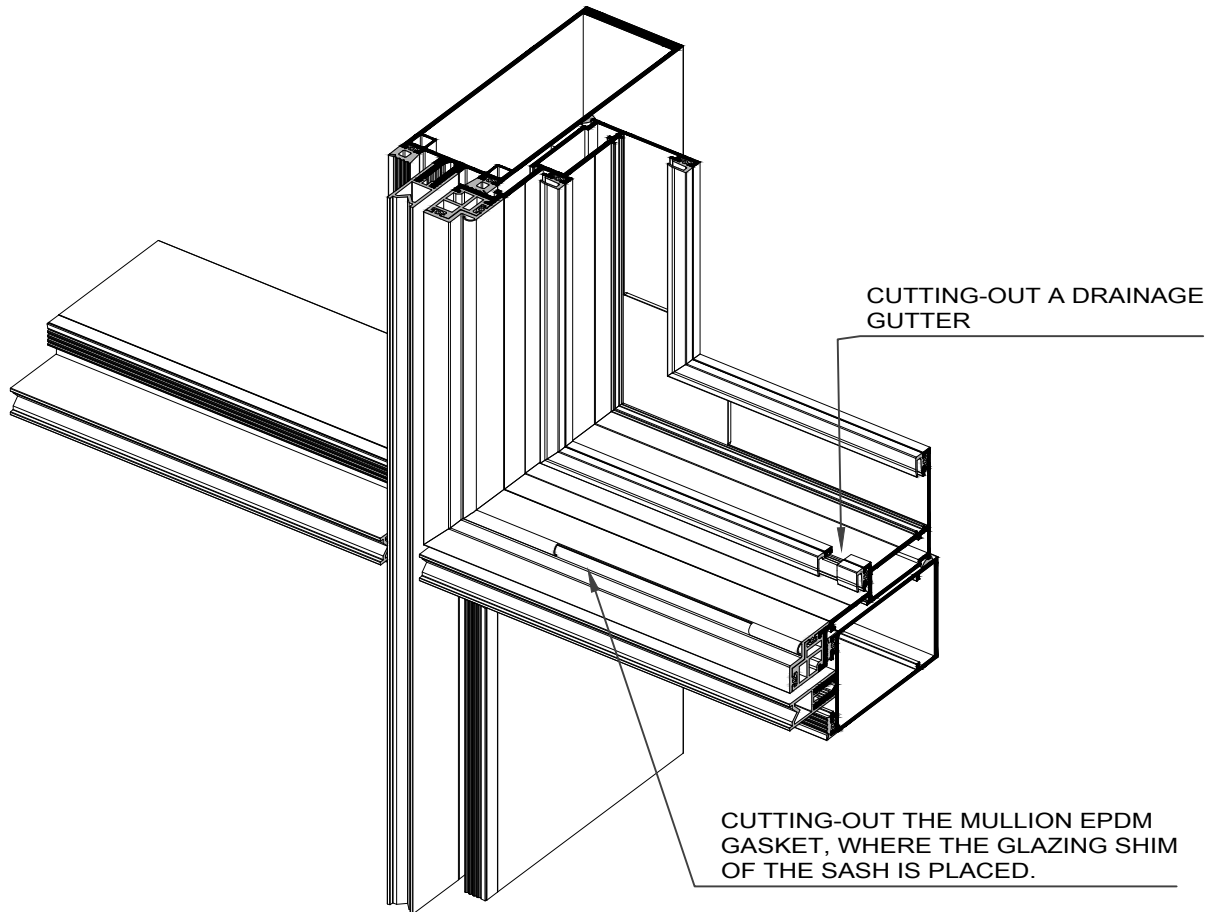


THE MINIMUM TRANSOM SIZE IN OUTWARDS PROJECTING WINDOW IS 74.5 mm - 01.0301

TECHNICAL DETAILS

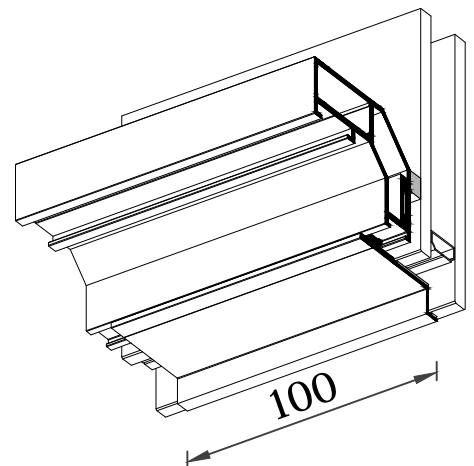
/COVER CAP FOR OUTWARDS PROJECTING WINDOW/

OUTWARDS PROJECTING WINDOW FRAME MACHINING



OUTWARDS PROJECTING WINDOW SASH MACHINING

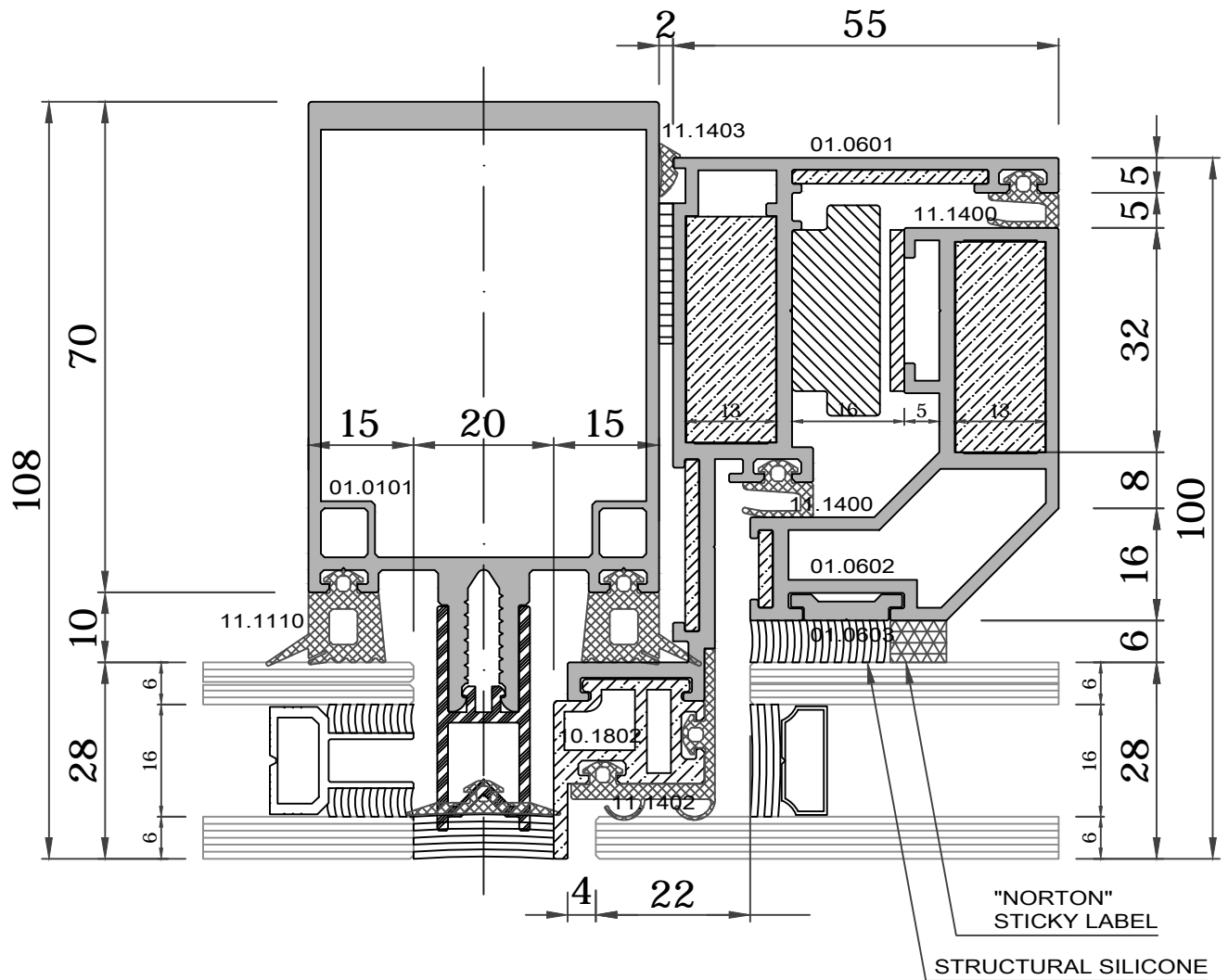
THE GLAZING SHIM IS A 100 mm LONG CUT FROM PROFILE 01.0604 .PUT IT IN THE LOWER HORIZONTAL OF THE SASH, BEFORE INSTALLING THE SASH. THEN IT IS FIXED BY GLUING OR USING SCREWS . DO NOT DRILL DRAINAGE OR COMPRESSION RELEASE HOLES.



TECHNICAL DETAILS

/OUTWARDS PROJECTING WINDOW FOR STRUCTURAL GLASS FACADE FIXING/

SECTIONS

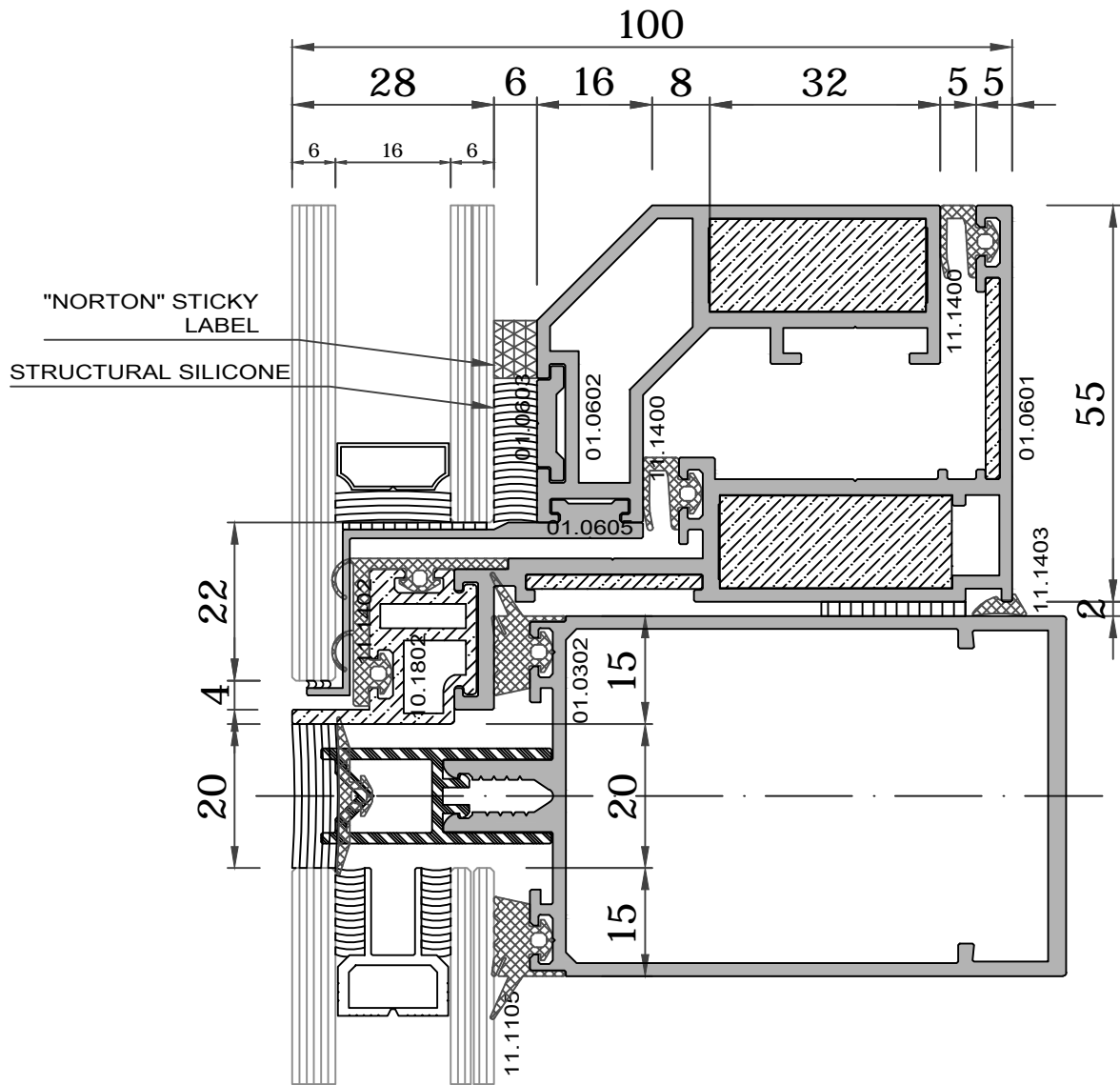


THE MINIMUM MULLION SIZE IN OUTWARDS PROJECTING WINDOW IS 70 mm - 01.0101

TECHNICAL DETAILS

/OUTWARDS PROJECTING WINDOW FOR STRUCTURAL GLASS FACADE FIXING/

SECTIONS

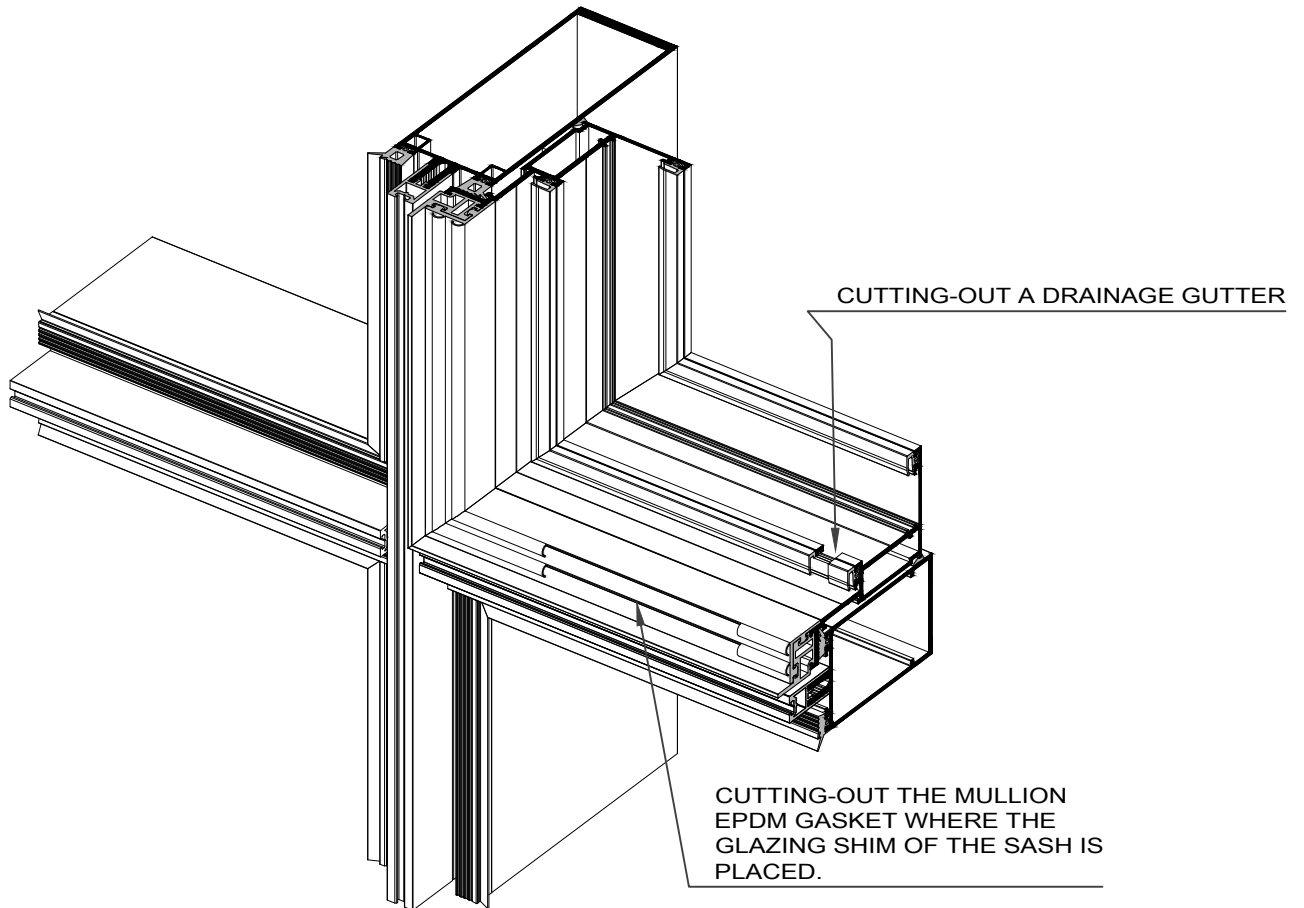


THE MINIMUM TRANSOM SIZE IN OUTWARDS PROJECTING WINDOW IS 74.5 mm - 01.0301

TECHNICAL DETAILS

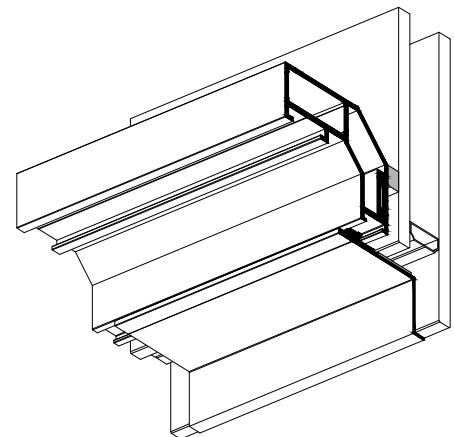
/OUTWARDS PROJECTING WINDOW FOR STRUCTURAL GLASS FACADE FIXING/

OUTWARDS PROJECTING WINDOW FRAME MACHINING



OUTWARDS PROJECTING WINDOW SASH MACHINING

THE GLAZING SHIM IS A 100 MM LONG CUT FROM PROFILE 01.0605. PUT IT IN THE LOWER HORIZONTAL OF THE SASH, BEFORE INSTALLING THE SASH. THEN IT IS FIXED BY GLUING OR USING SCREWS. DO NOT DRILL DRAINAGE OR COMPRESSION RELEASE HOLES.

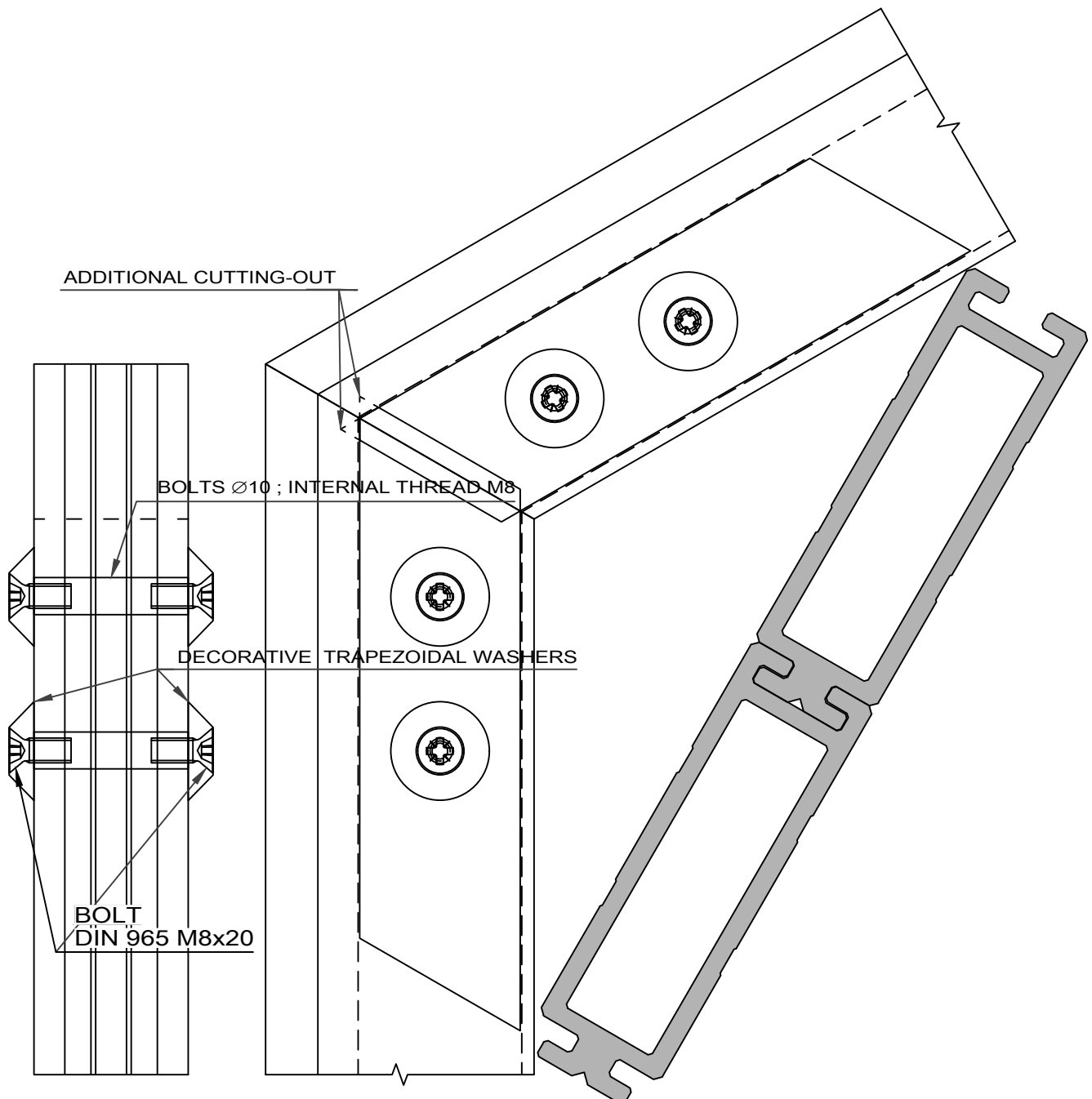


THE MINIMUM TRANSOM SIZE IN OUTWARDS PROJECTING WINDOW IS 74.5 mm - 01.0301

TECHNICAL DETAILS

/SHIFTING PLANES MULLION SPLICING/

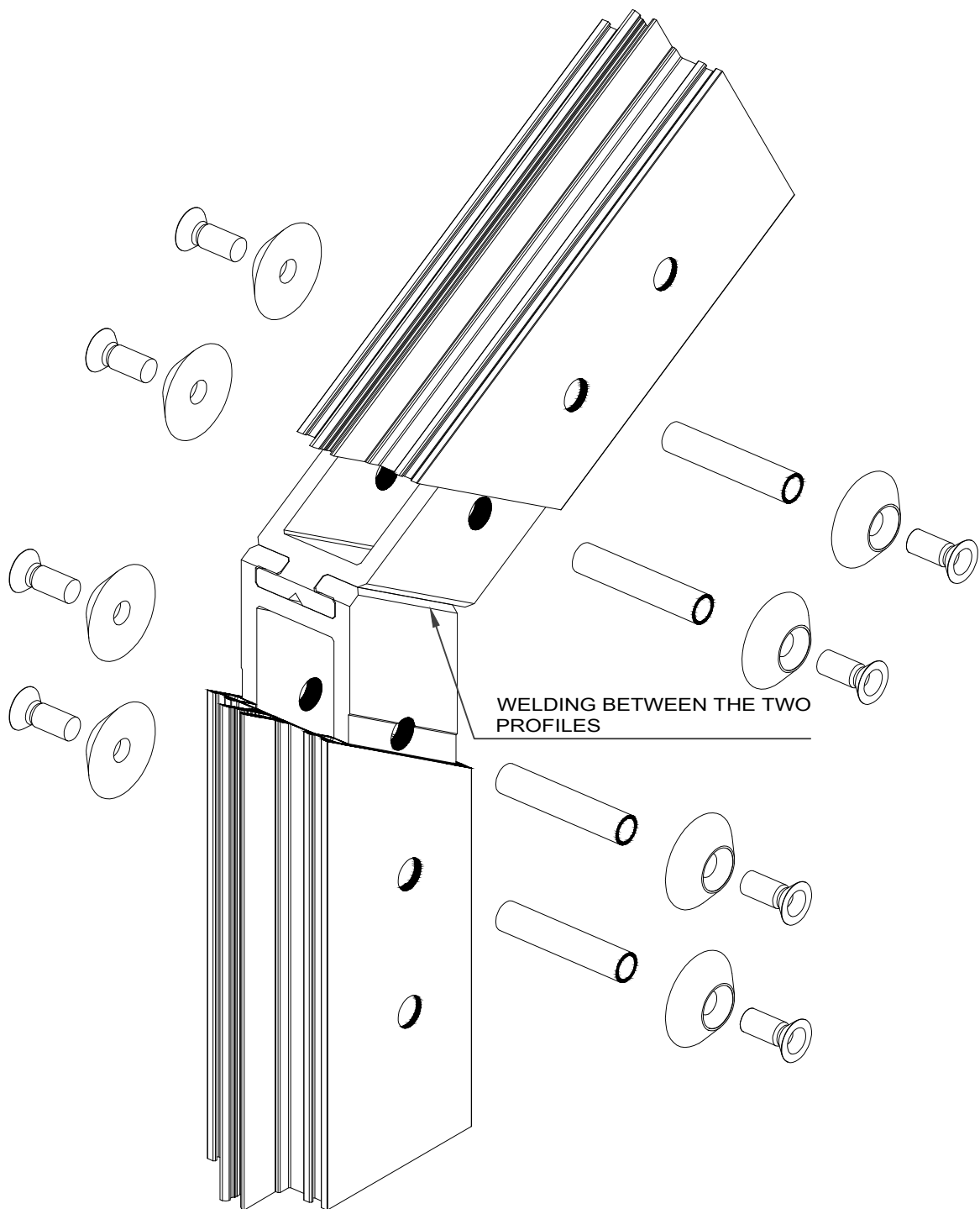
BOLTING PLACEMENT



THERE MUST BE AT LEAST TWO BOLTINGS IN A MULLION.
THEIR PLACEMENT DEPENDS ON THE PARTICULAR CASE. THEY
HAVE TO BE EASY TO FIX AND MUST NOT BE AN OBSTACLE FOR
OTHER ELEMENTS OF THE CONSTRUCTION .

TECHNICAL DETAILS

/SHIFTING PLANES MULLION SPLICING/

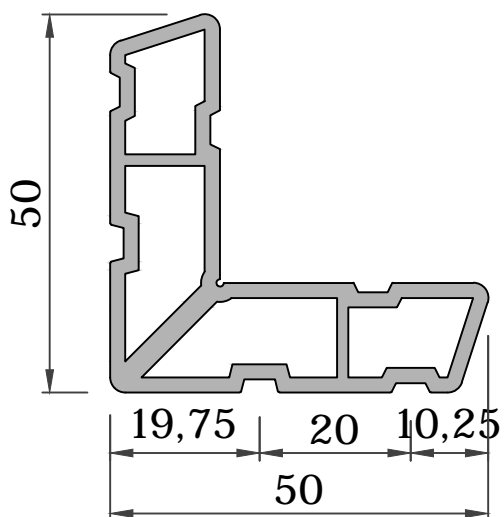
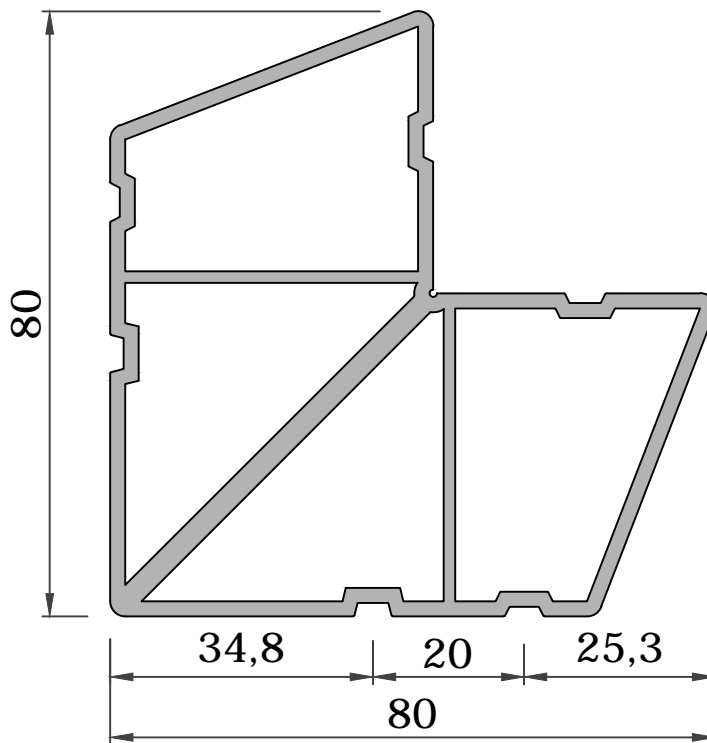


BEFORE PLACING THE MULLION CONNECTOR PROFILE, IT HAS TO BE SILICONIZED. IT PREVENTS THE INFILTRATION OF WATER AND CONDENSATE FROM THE CHANNELS INTO THE CHAMBERS OF THE MULLIONS.
THE MULLION CONNECTORS MUST BE WELDED TO EACH OTHER IN ADVANCE.

TECHNICAL DETAILS

/DORMER WINDOW OPENING/

JOINT CORNER BRACKETS FOR DORMER WINDOW OPENING
(FOR A PUNCHING MACHINE)



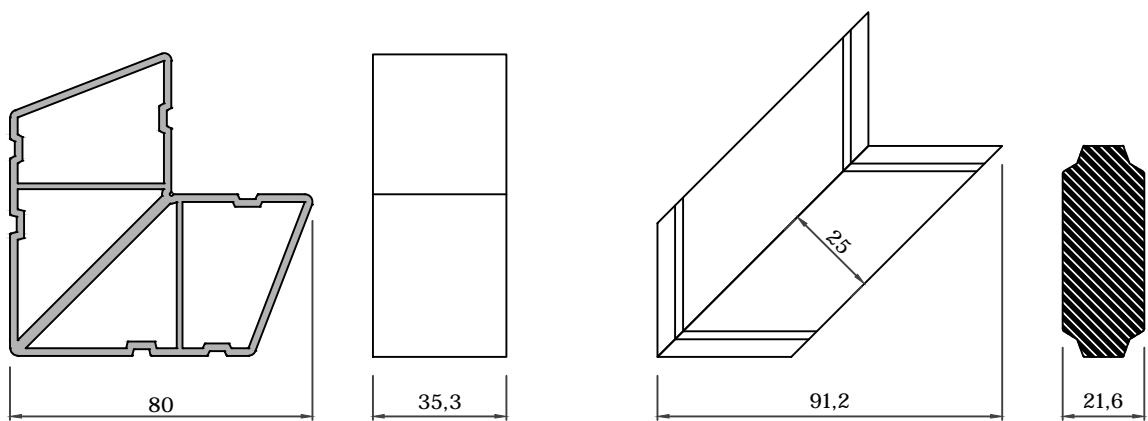
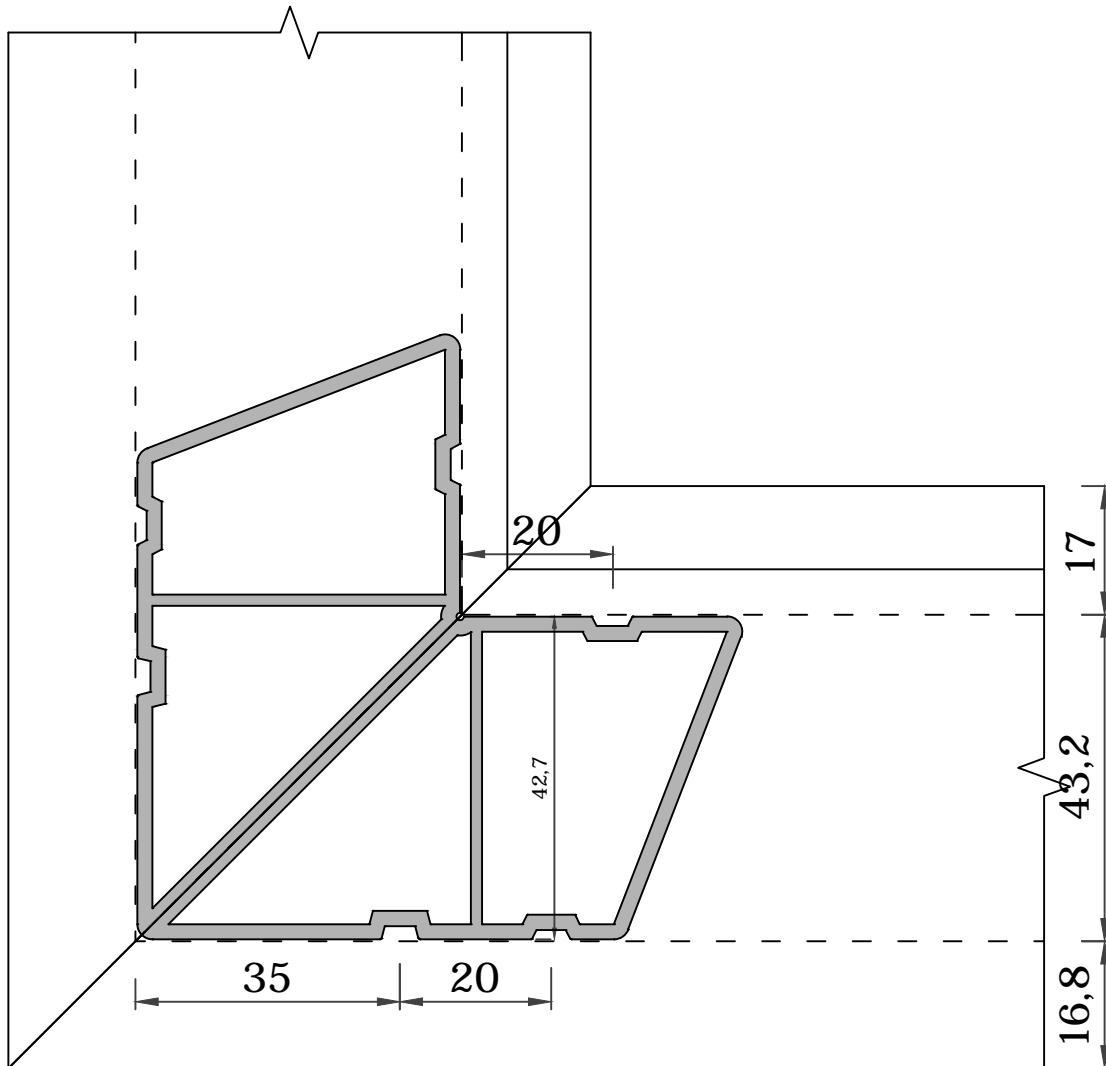
M 1:1

59

TECHNICAL DETAILS

/DORMER WINDOW OPENING/

PLACING THE JOINT CORNER BRACKETS INTO THE FRAME
OF THE DORMER WINDOW



JOINT CORNER BRACKETS FOR FRAMES: SIZES

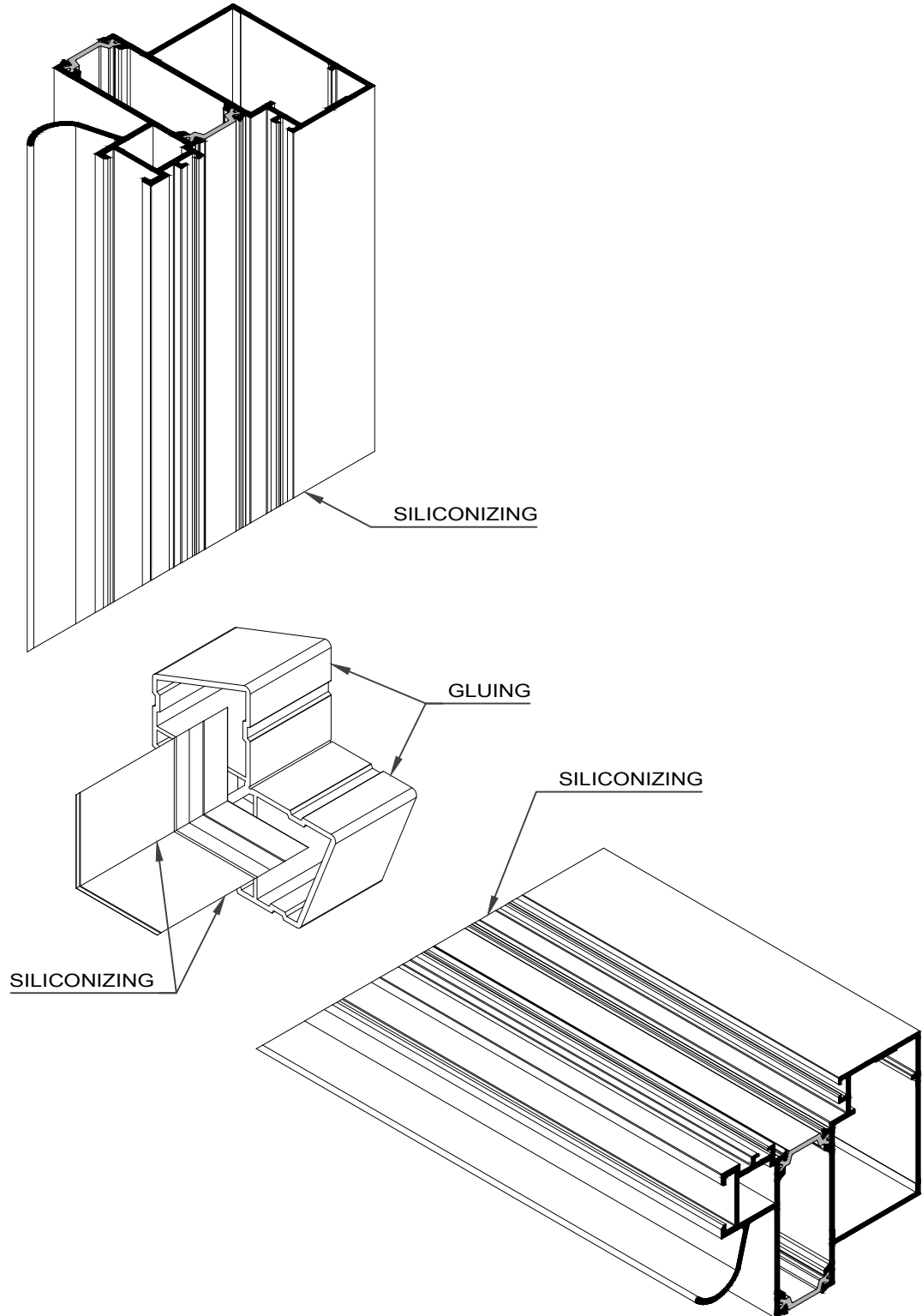
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60

TECHNICAL DETAILS

/DORMER WINDOW OPENING/

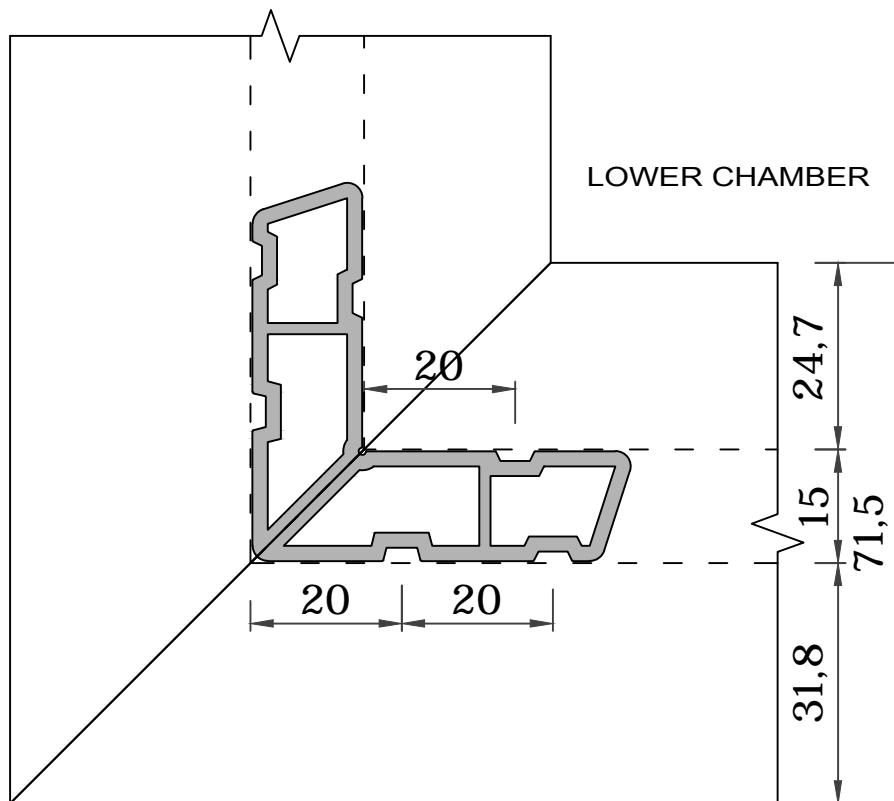
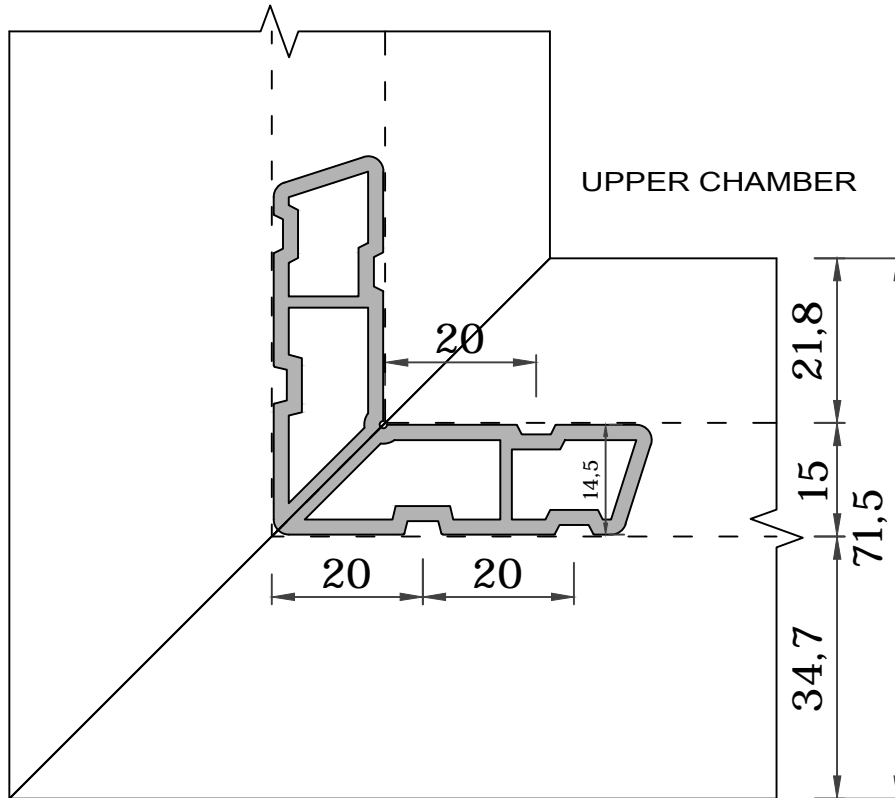
PLACING THE JOINT CORNER BRACKETS INTO THE FRAME OF
THE DORMER WINDOW



TECHNICAL DETAILS

/DORMER WINDOW OPENING/

PLACING THE JOINT CORNER BRACKETS INTO THE SASH OF
THE DORMER WINDOW



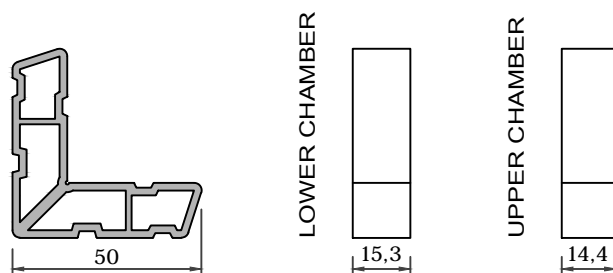
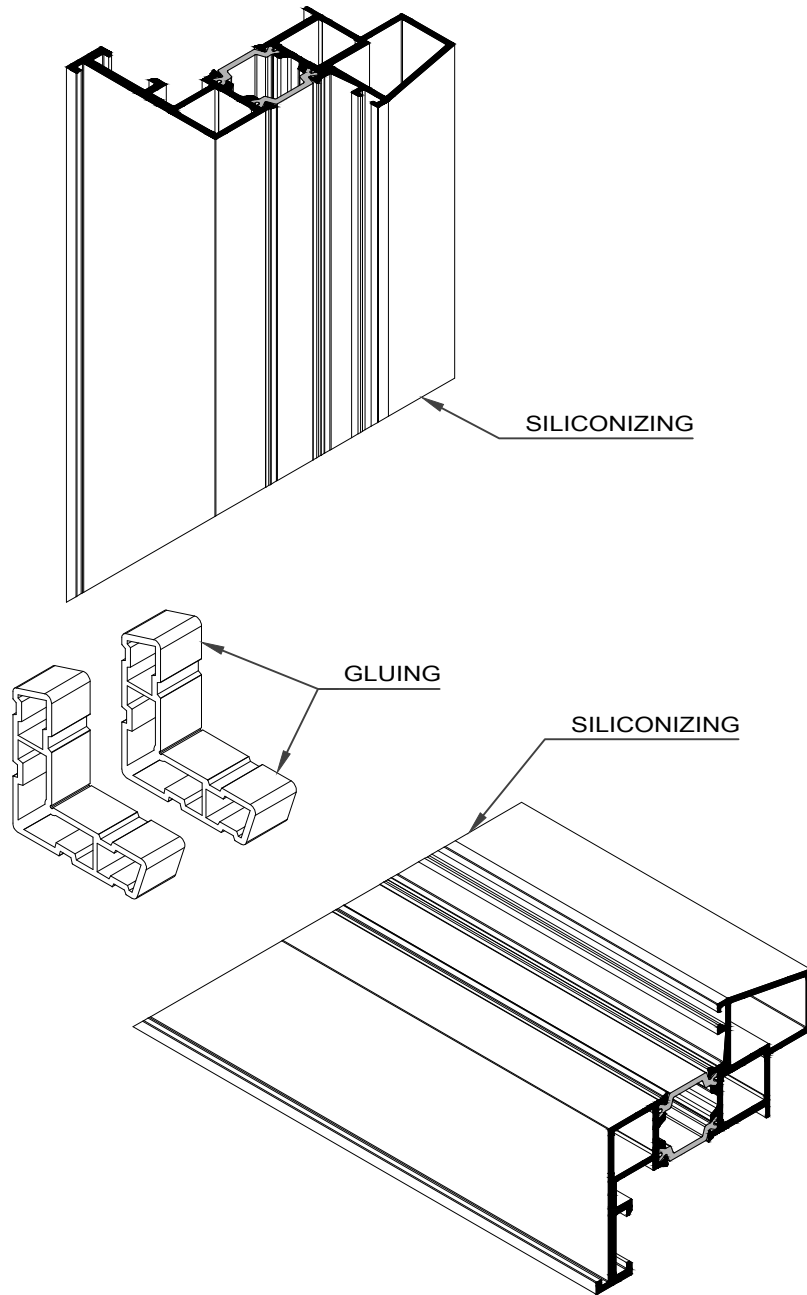
M 1:1

62

TECHNICAL DETAILS

/DORMER WINDOW OPENING/

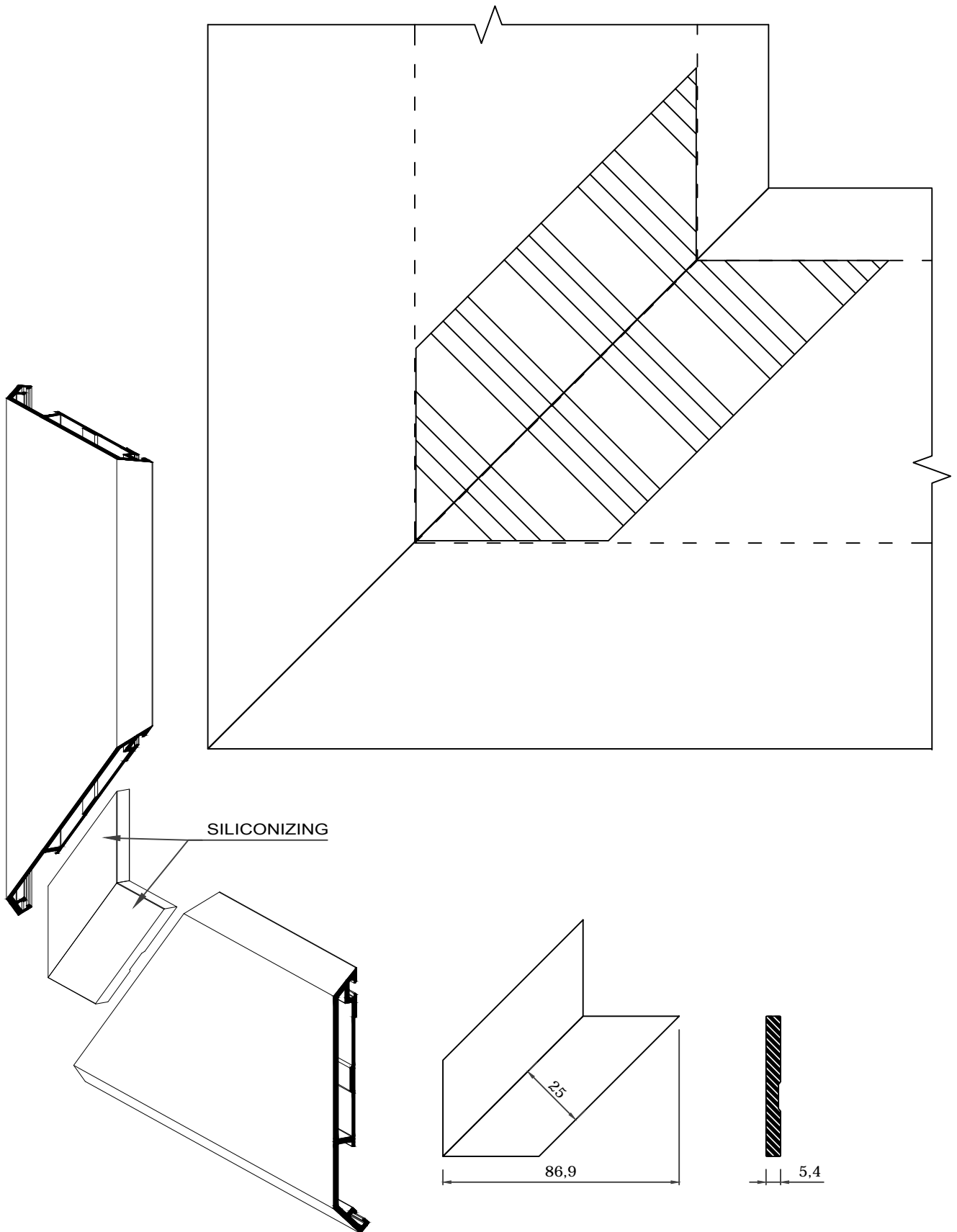
PLACING THE JOINT CORNER BRACKETS INTO THE SASH OF THE DORMER WINDOW



SASH JOINT CORNER BRACKETS SIZES

TECHNICAL DETAILS

/DORMER WINDOW OPENING/
PLACING THE JOINT CORNER BRACKETS INTO THE CAP OF
THE DORMER WINDOW



COVER CAP JOINT CORNER BRACKETS: SIZES

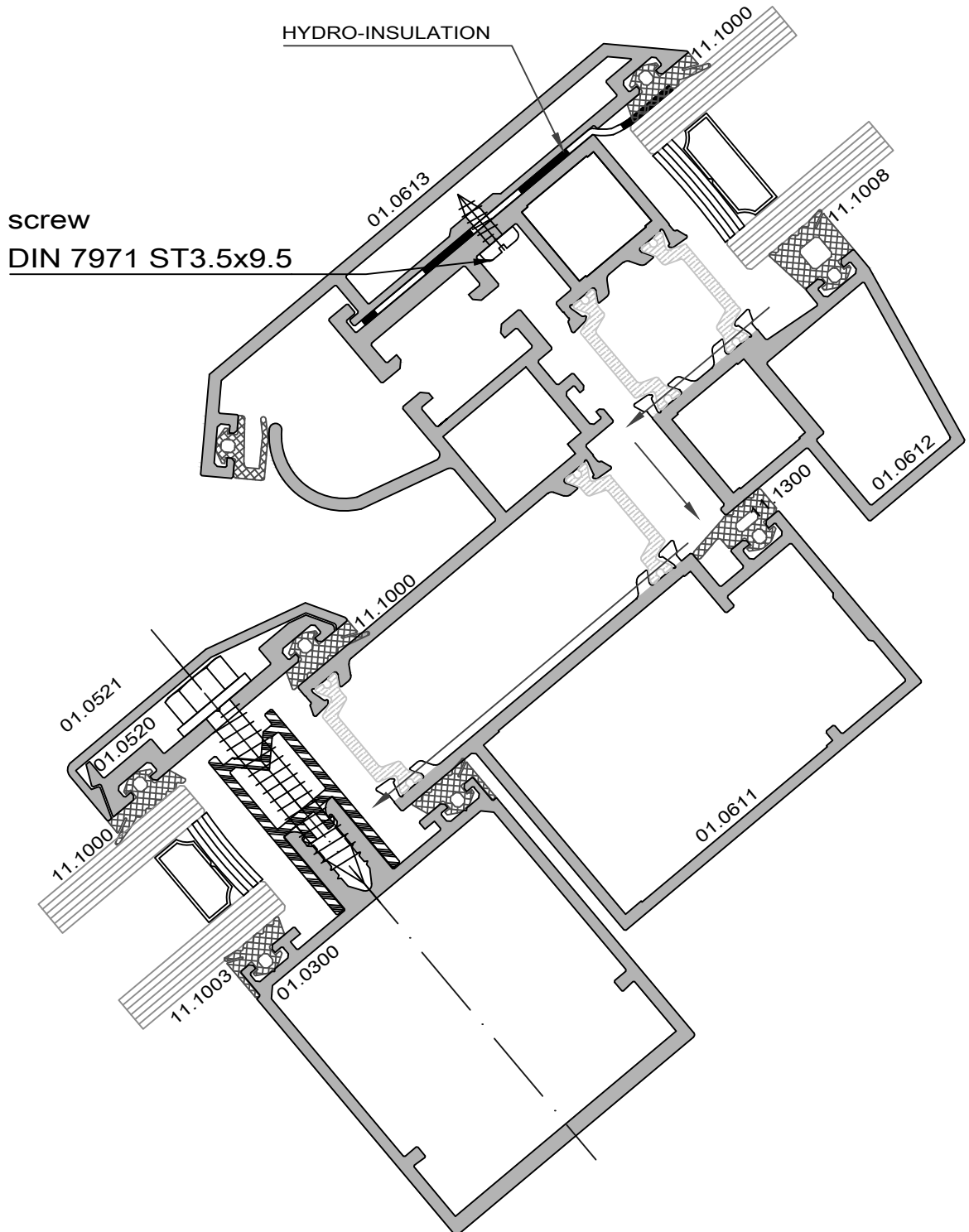
M 1:1

64

TECHNICAL DETAILS

/DORMER WINDOW OPENING/

DRILLING HOLES FOR CARRYING OUT CONDENSING MOISTURE



M 1:1

65

SECTIONS

CW 50
FACADE SYSTEM

TECHNICAL DETAILS

/DORMER WINDOW OPENING/

DRILLING HOLES FOR CARRYING OUT CONDENSING MOISTURE

