

VERTICAL CASCADE GARDEN TECHNICAL DOCUMENTS

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INSTALLATION INSTRUCTIONS:

VERTICAL CASCADE GARDEN SHOULD BE INSTALLED ONTO 18MM OSB BOARDS.

OSB BOARDS SHOULD BE ATTACHED TO THE SUBSTRATE WALL DIRECTLY OR USING A UA ALU PROFILE (BEARING LOAD OF AT LEAST 60KG/M²).

TROUGHS ARE ATTACHED ONTO THE OSB BOARDS USING TX20 SCREWS 500MM APART AND 100MM FROM THE EDGE.

VISIBLE SIDE AND BOTTOM EDGE DETAIL IS MADE FROM 18MM MDF / SDK 15MM (INTERNAL ONLY).

LIGHTING SPECIFICATION:

LIGHT INTENSITY MIN.600 lx

LIGHT TEMPERATURE (COLOUR) MIN. 4000 K

IRRIGATION:

OPTION 1 - AUTOMATIC IRRIGATION WITH DRAIN CONNECTION

- AUTOMATIC WATER IRRIGATION SYSTEM CONNECTED TO THE MAIN WATER SUPPLY
- DRAIN CONNECTION THROUGH AN OVERFLOW PIPE IN THE BOTTOM TROUGH

OPTION 2 - AUTOMATIC IRRIGATION WITHOUT DRAIN CONNECTION

- WATER RESERVOIR IS FILLED EITHER MANUALLY OR AUTOMATICALLY THROUGH AN IRRIGATION SYSTEM CONNECTED TO THE MAIN WATER SUPPLY (APPROX.12,5L WATER / 14 DAYS / 1M² TROUGH)
- WATER DISTRIBUTION THROUGH A PUMP MECHANISM

OPTION 3 - MANUAL IRRIGATION WITH NO WATER CONNECTION

- MANUAL IRRIGATION INTO THE TOP VERTICAL CASCADE GARDEN TROUGH (APPROX. 2,5L WATER / 1LM TROUGH)
- WATER - CATCHMENT TANK - PLACED UNDERNEATH THE WALL DURING IRRIGATION CYCLE ONLY

VERTICAL CASCADE GARDEN SUBSTRATE PREPARATION (DEKMETAL SYSTEM):

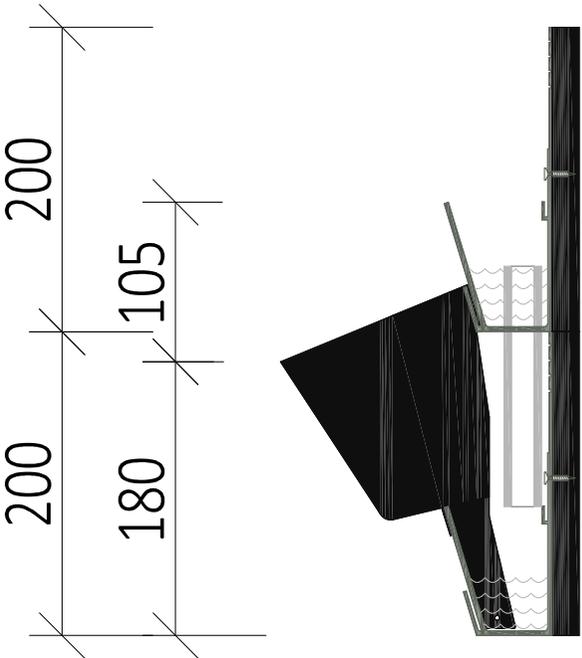
- L GRID SUPPORT ACCORDING TO STATIC EVALUATION (INCLUDING PLASTIC BACKPLATES TO MINIMISE THERMAL BRIDGES)
- HORIZONTAL J50 PROFILE ACCORDING TO STATIC EVALUATION (MAX. 400 MM)
- SCREW GT5 – 5,5 X +19MM FOR FIXING THE SUPPORT FRAME
- SCREW TX 3,5 X 2,5MM FOR FIXING THE TROUGH ONTO THE FRAME GRID
- VERTICAL GARDEN SIDE COVER FROM PLASTICISED SHEET METAL
- VERTICAL GARDEN BOTTOM EDGE WITH NO COVER
- VERTICAL GARDEN TOP EDGE WITH NO COVER

VERTICAL CASCADE GARDEN SUBSTRATE PREPARATION:

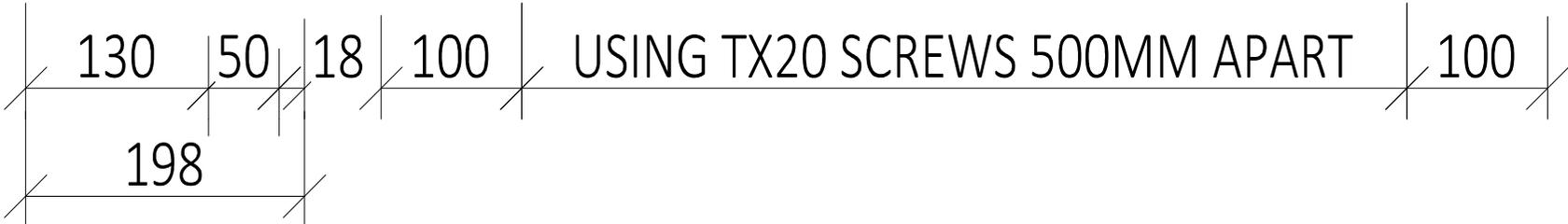
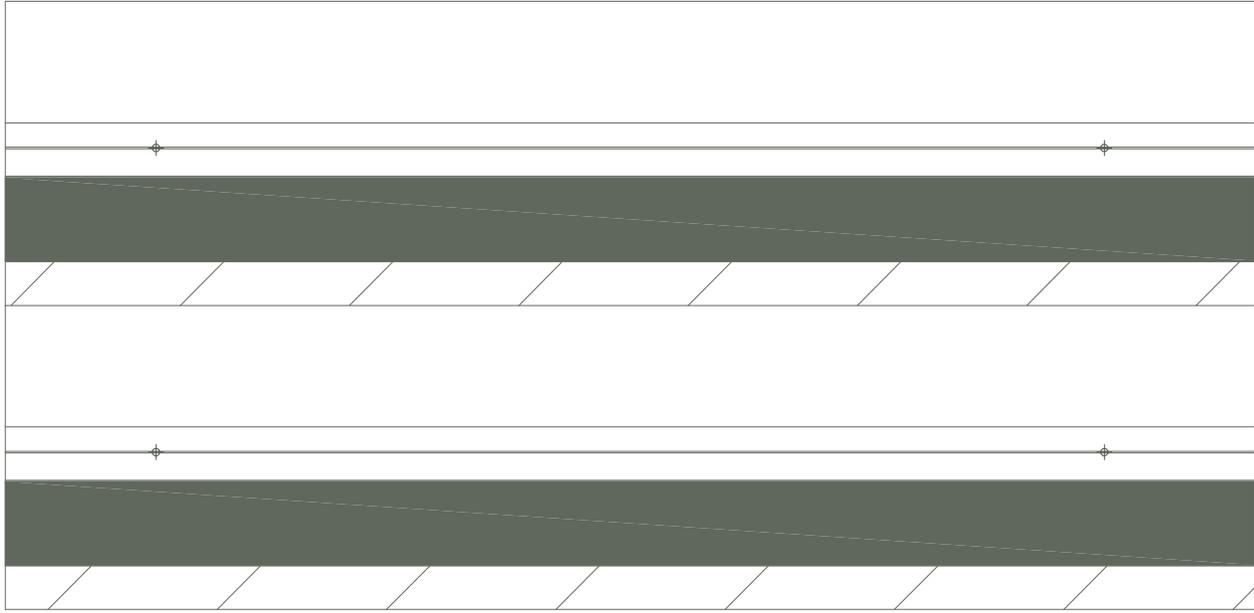
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TROUGH AND POT DETAIL

SECTION VIEW



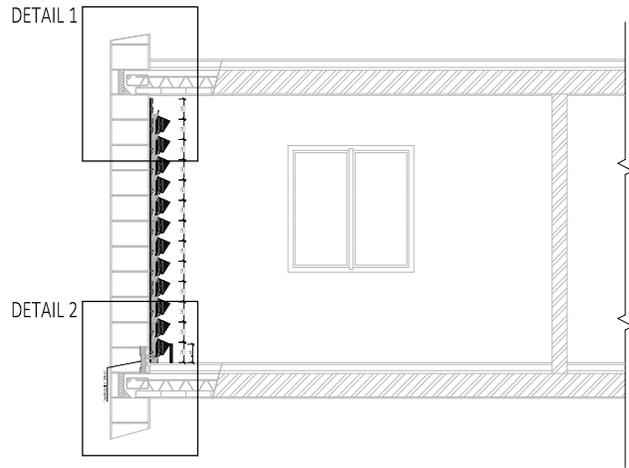
FRONT ELEVATION



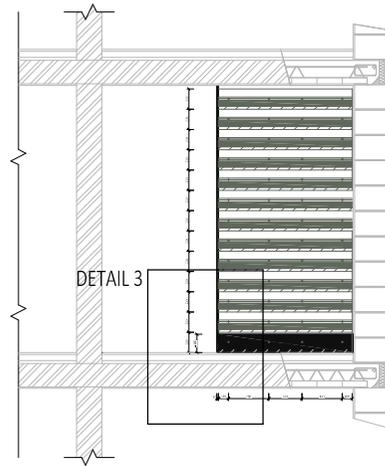
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01_VERTICAL CASCADE GARDEN SPECIFICATION – STAND ALONE WALL

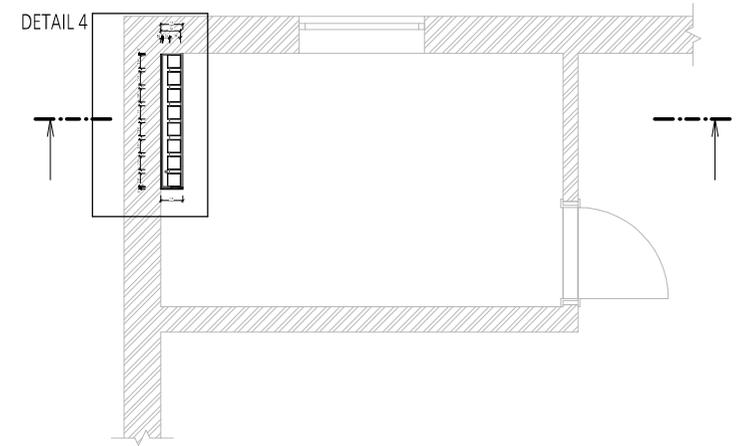
SECTION VIEW



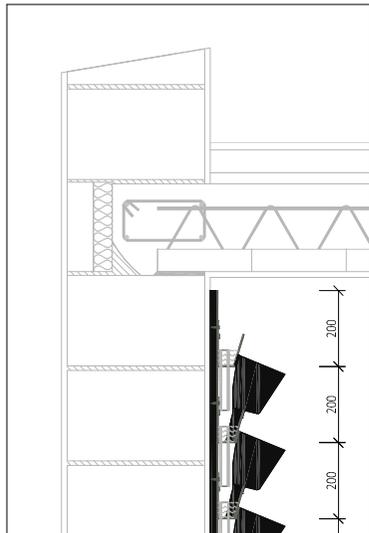
FRONT ELEVATION



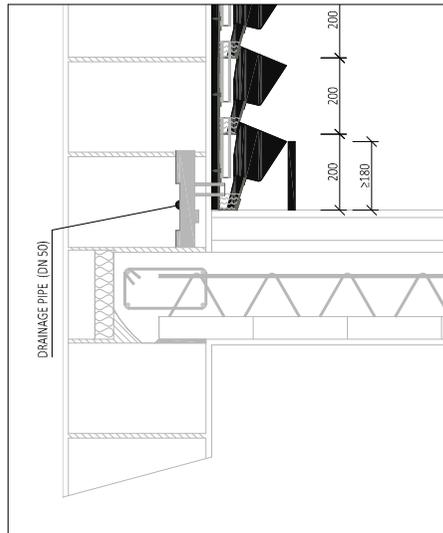
PLAN VIEW



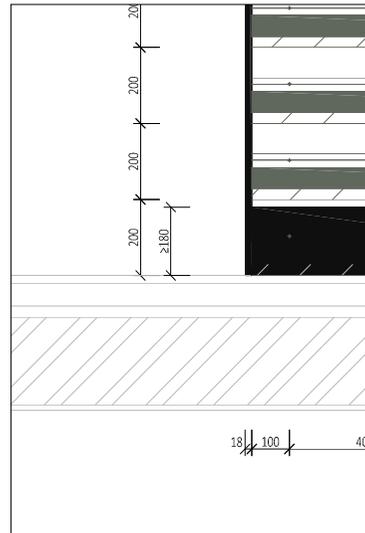
DETAIL 1



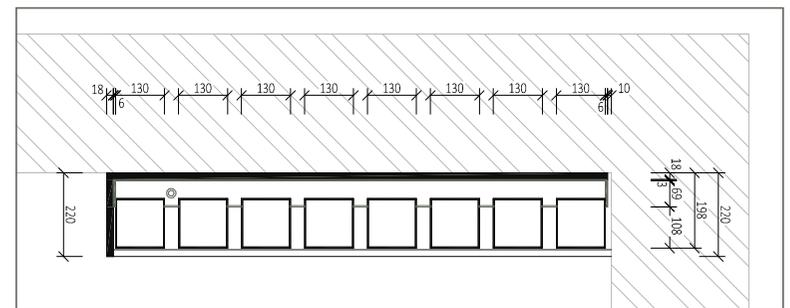
DETAIL 2



DETAIL 3



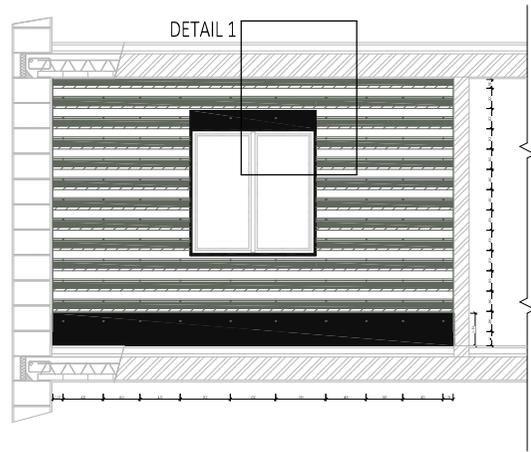
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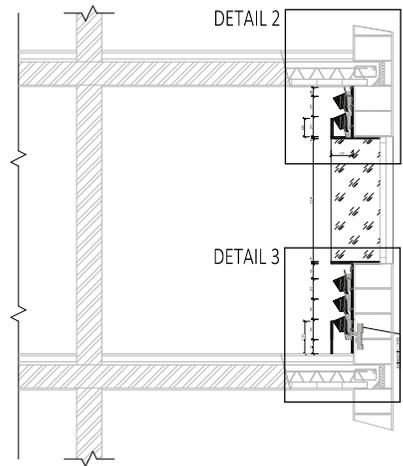
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02_VERTICAL CASCADE GARDEN SPECIFICATION – WINDOW WALL

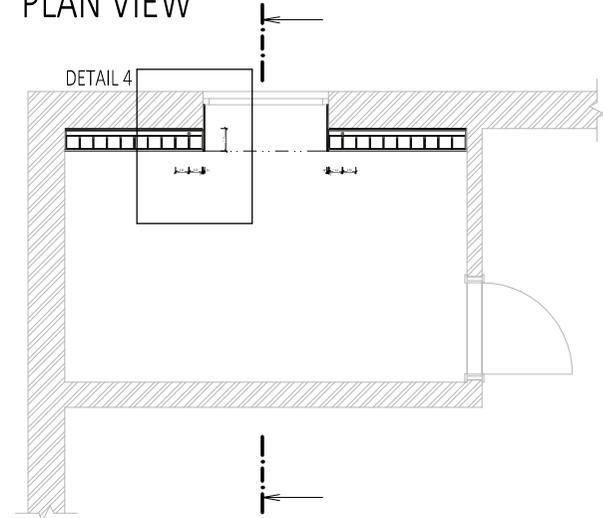
FRONT ELEVATION



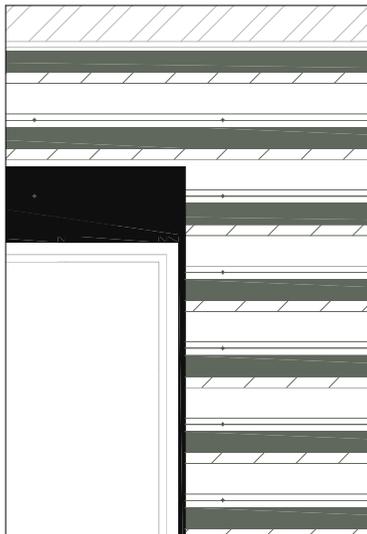
SECTION VIEW



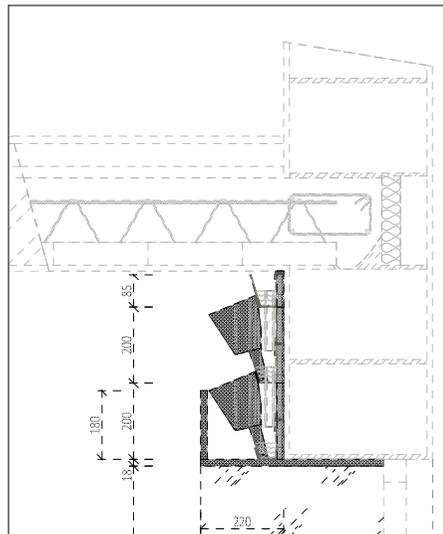
PLAN VIEW



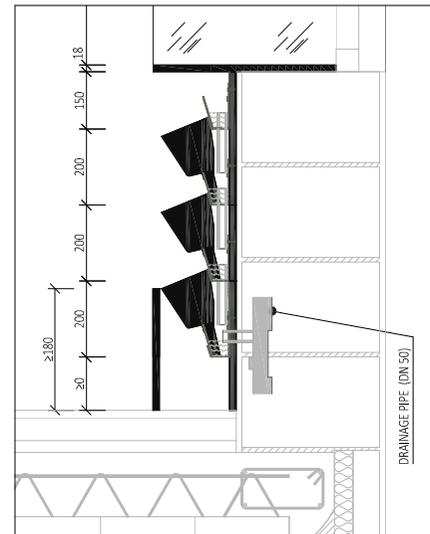
DETAIL 1



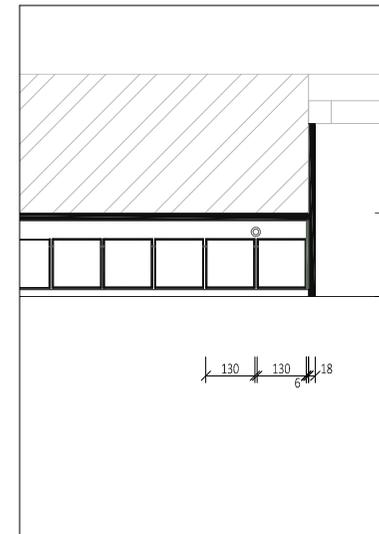
DETAIL 2



DETAIL 3



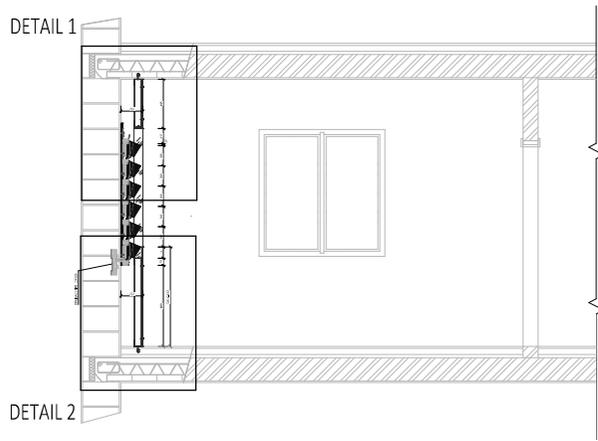
DETAIL 4



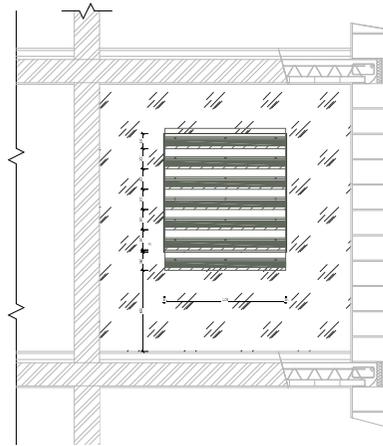
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04_VERTICAL CASCADE GARDEN SPECIFICATION – NICHE

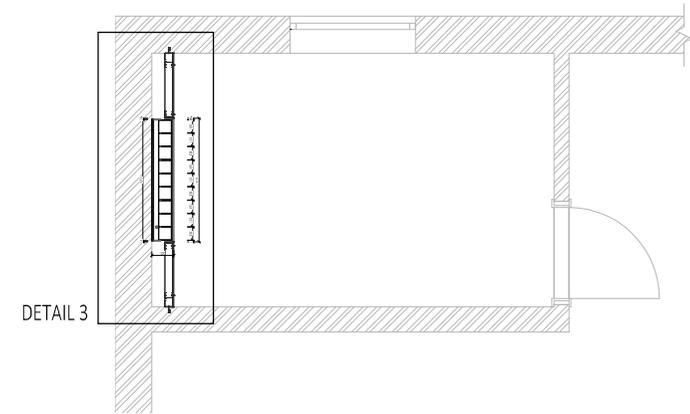
SECTION VIEW



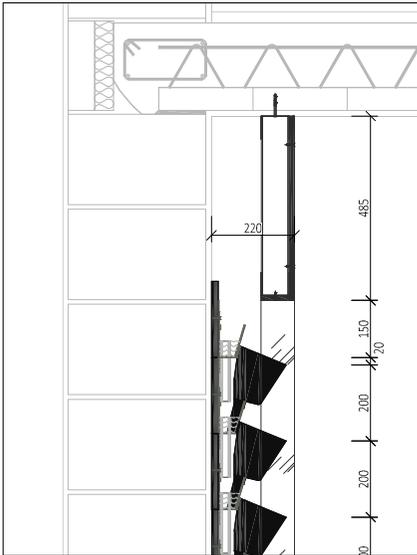
FRONT ELEVATION



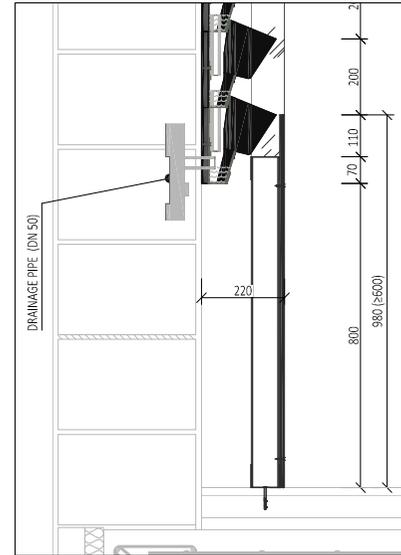
PLAN VIEW



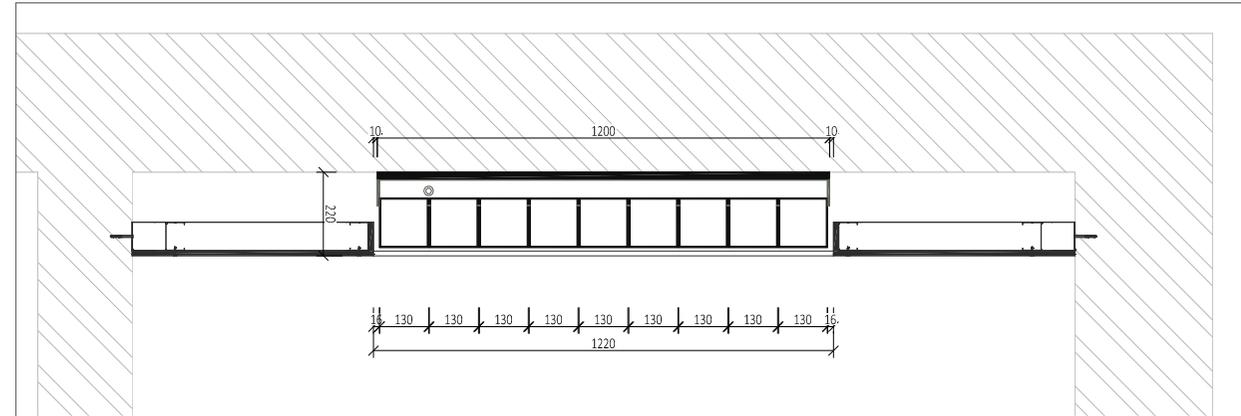
DETAIL 1



DETAIL 2

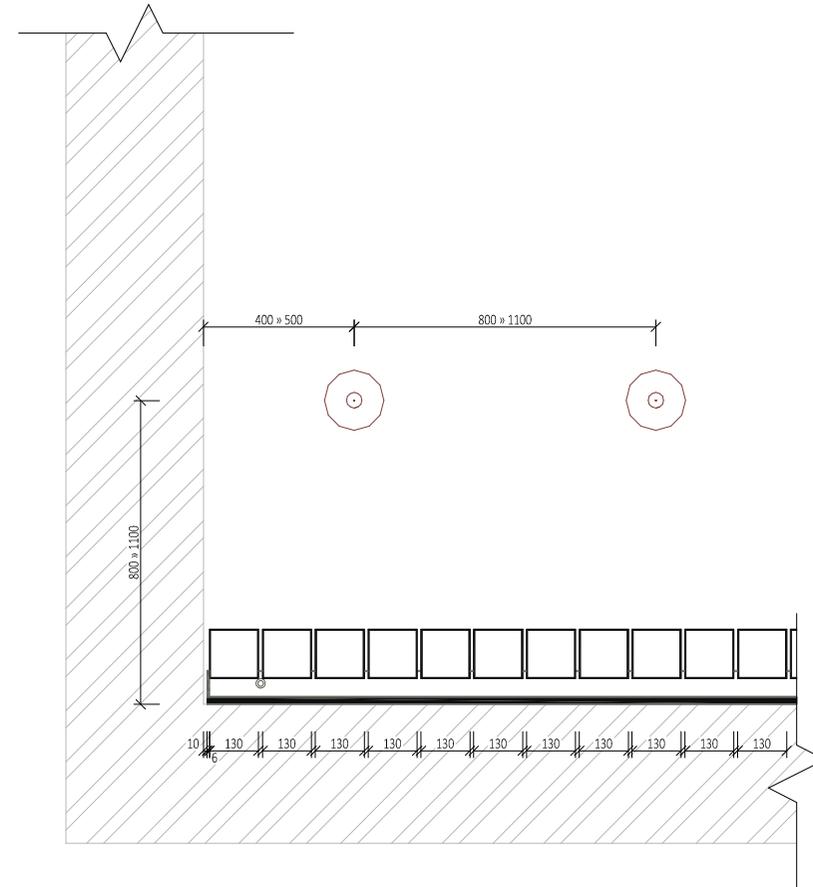
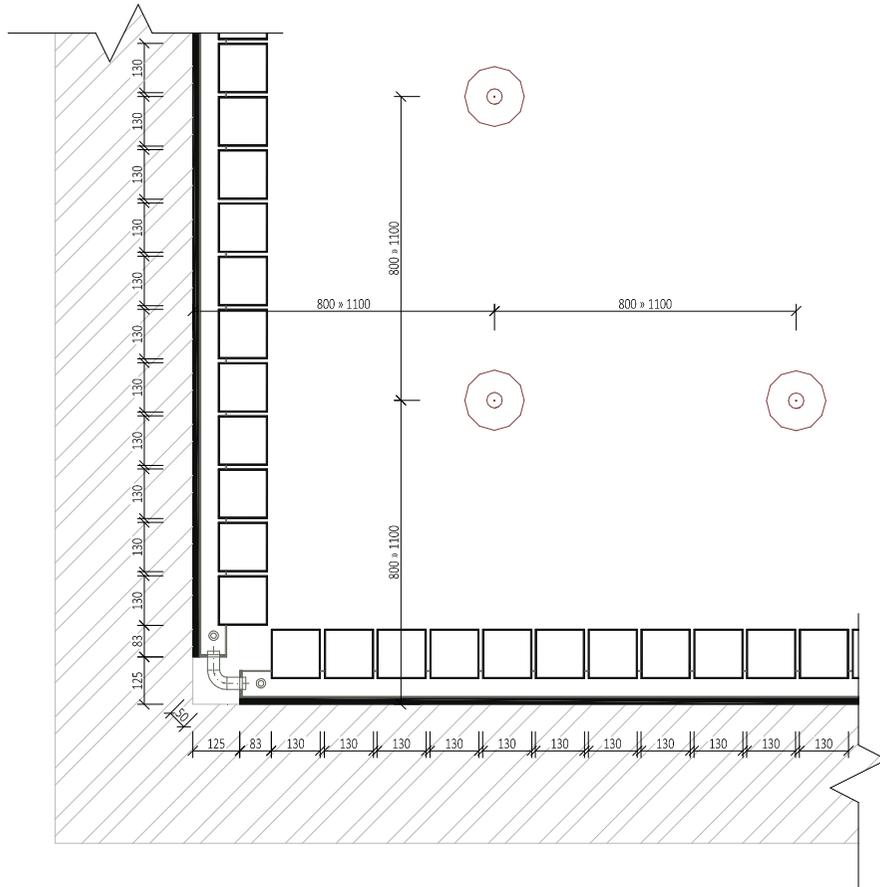


DETAIL 3



VERTICAL CASCADE GARDEN SHOULD BE INSTALLED ONTO 18MM OSB BOARDS.
 OSB BOARDS SHOULD BE ATTACHED TO THE SUBSTRATE WALL DIRECTLY OR USING A UA ALU PROFILE (BEARING LOAD OF AT LEAST 60KG/M2).
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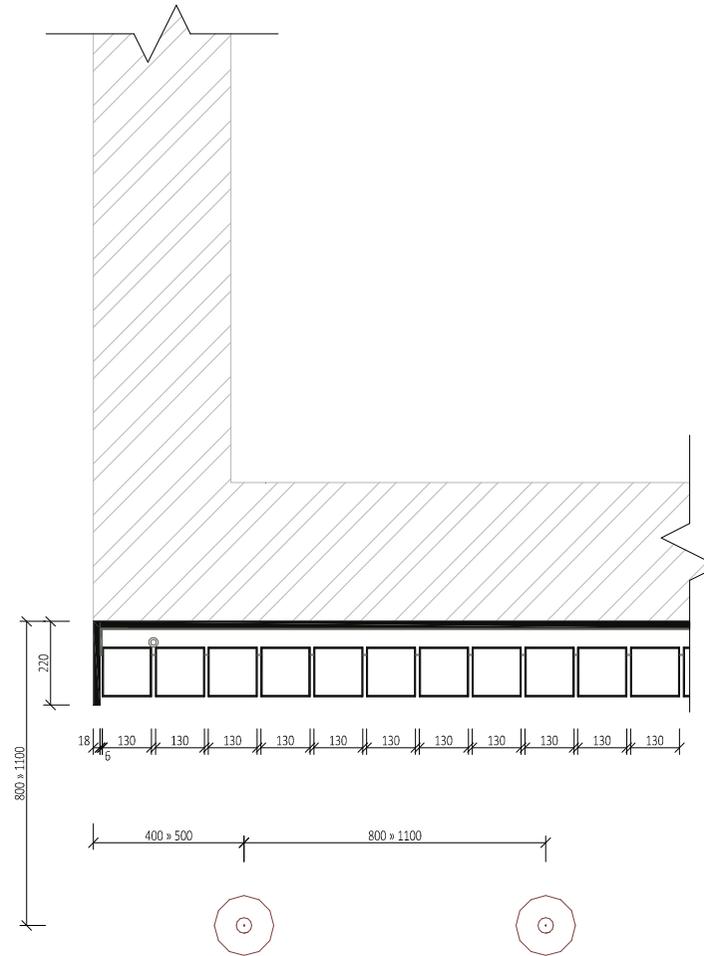
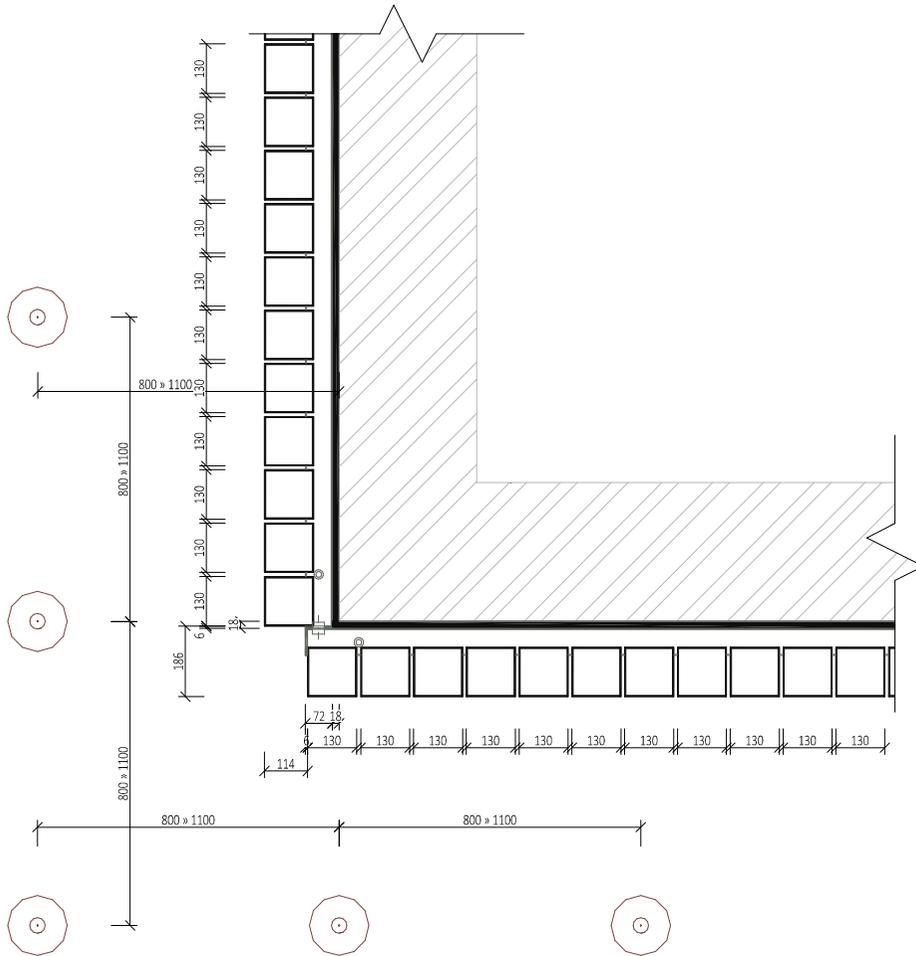
O5_VERTICAL CASCADE GARDEN SPECIFICATION – LIGHTS, INTERNAL CORNER



VERTICAL CASCADE GARDEN SHOULD BE INSTALLED ONTO 18MM OSB BOARDS.
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 VISIBLE SIDE AND BOTTOM EDGE DETAIL IS MADE FROM 18MM MDF / SDK 15MM (INTERNAL ONLY).

LIGHTING SPECIFICATION:
 LIGHT INTENSITY MIN.600 lx
 LIGHT TEMPERATURE (COLOUR) MIN. 4000 K

06_VERTICAL CASCADE GARDEN SPECIFICATION – LIGHTS, EXTERNAL CORNER

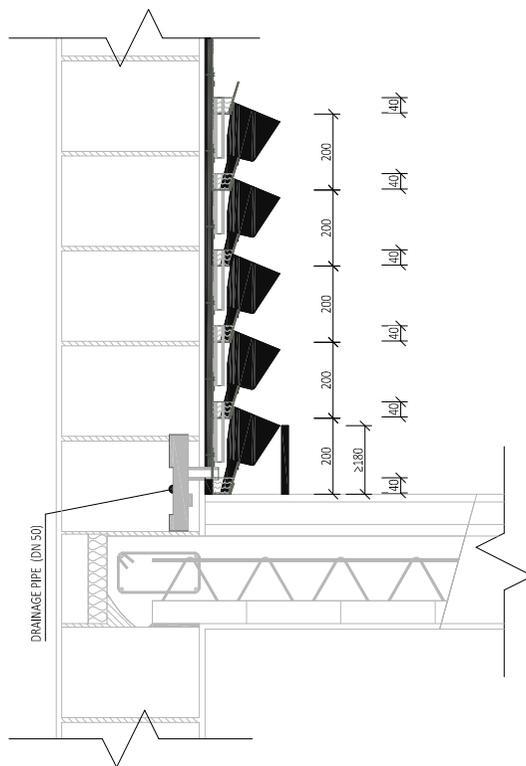


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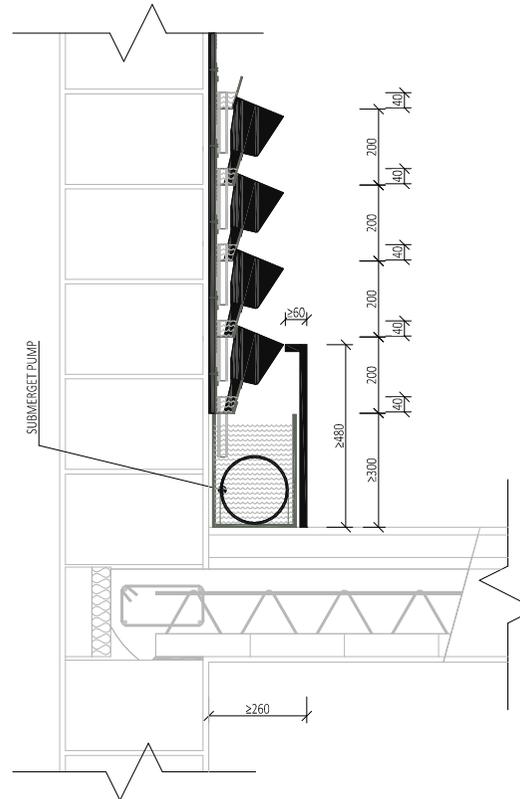
LIGHTING SPECIFICATION:
 LIGHT INTENSITY MIN.600 lx
 LIGHT TEMPERATURE (COLOUR) MIN. 4000 K

07_VERTICAL CASCADE GARDEN SPECIFICATION – IRRIGATION

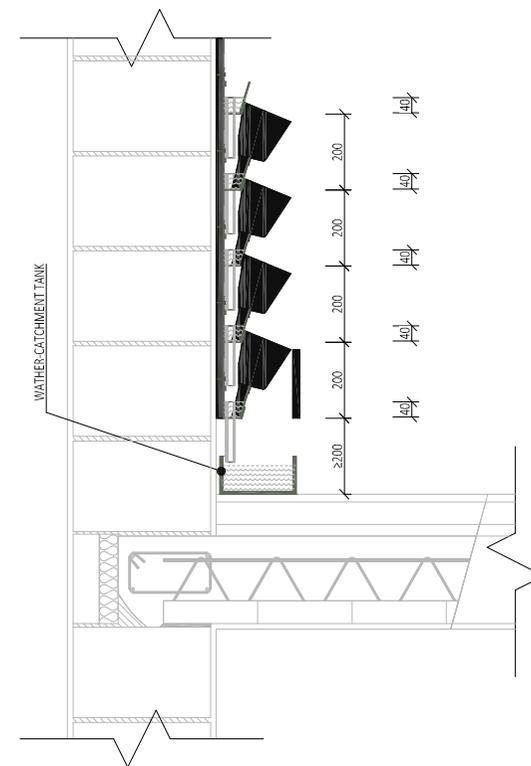
01_DRAIN CONNECTION



02_WATER RESERVOIR WITH PUMP



03_MANUAL IRRIGATION



VERTICAL CASCADE GARDEN SHOULD BE INSTALLED ONTO 18MM OSB BOARDS. OSB BOARDS SHOULD BE ATTACHED TO THE SUBSTRATE WALL DIRECTLY OR USING A UA ALU PROFILE (BEARING LOAD OF AT LEAST 60KG/M2). TROUGHS ARE ATTACHED ONTO THE OSB BOARDS USING TX20 SCREWS 500MM APART AND 100MM FROM THE EDGE. VISIBLE SIDE AND BOTTOM EDGE DETAIL IS MADE FROM 18MM MDF / SDK 15MM (INTERNAL ONLY).

OPTION 1 - AUTOMATIC IRRIGATION WITH DRAIN CONNECTION

- AUTOMATIC WATER IRRIGATION SYSTEM CONNECT TO THE MAIN WATER SUPPLY
- DRAIN CONNECTION THROUGH AN OVERFLOW PIPE IN THE BOTTOM TROUGH

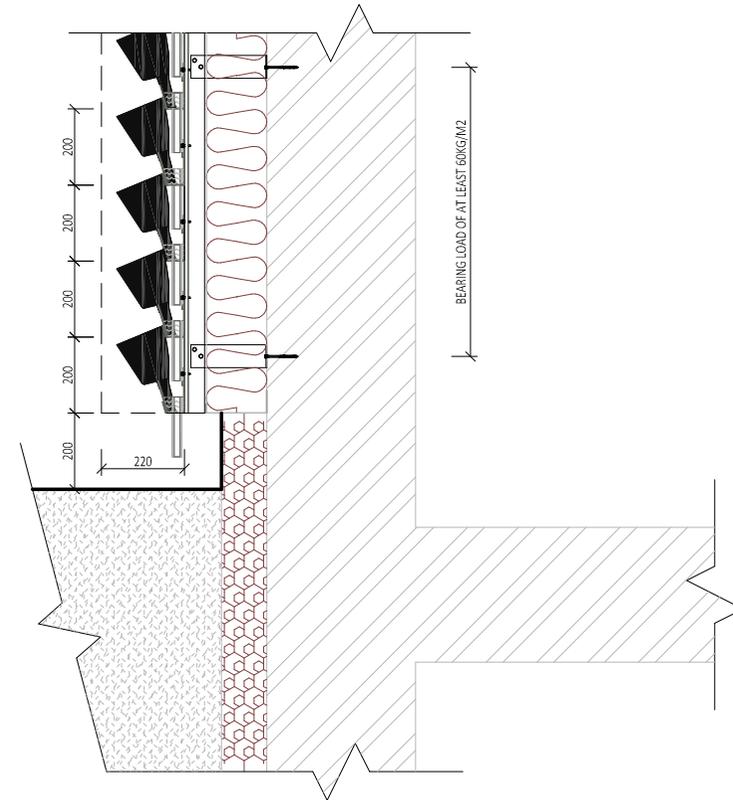
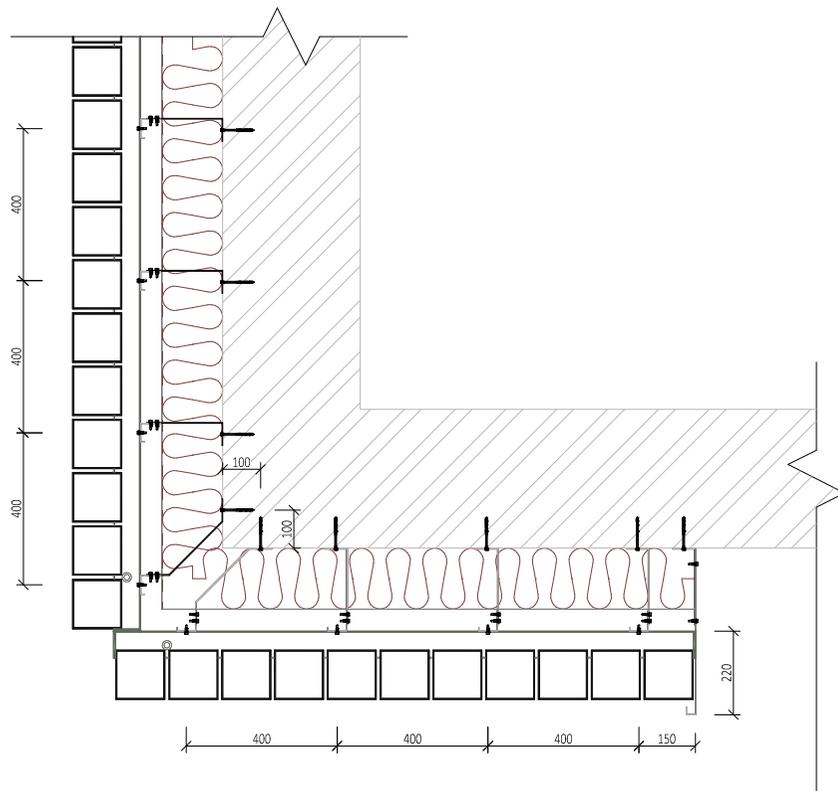
OPTION 2 - AUTOMATIC IRRIGATION WITHOUT DRAIN CONNECTION

- WATER RESERVOIR IS FILLED EITHER MANUALLY OR AUTOMATICALLY THROUGH AN IRRIGATION SYSTEM CONNECTED TO THE MAIN WATER SUPPLY (APPROX. 12,5L WATER / 14 DAY / 1M2 TROUGH)
- WATER DISTRIBUTION THROUGH A PUMP MECHANISM

OPTION 3 - MANUAL IRRIGATION WITH NO WATER CONNECTION

- MANUAL IRRIGATION INTO THE TOP VERTICAL CASCADE GARDEN TROUGH (APPROX. 2,5L WATER / 1LM TROUGH)
- WATER - CATCHMENT TANK - PLACED UNDERNEATH THE WALL DURING IRRIGATION CYCLE ONLY

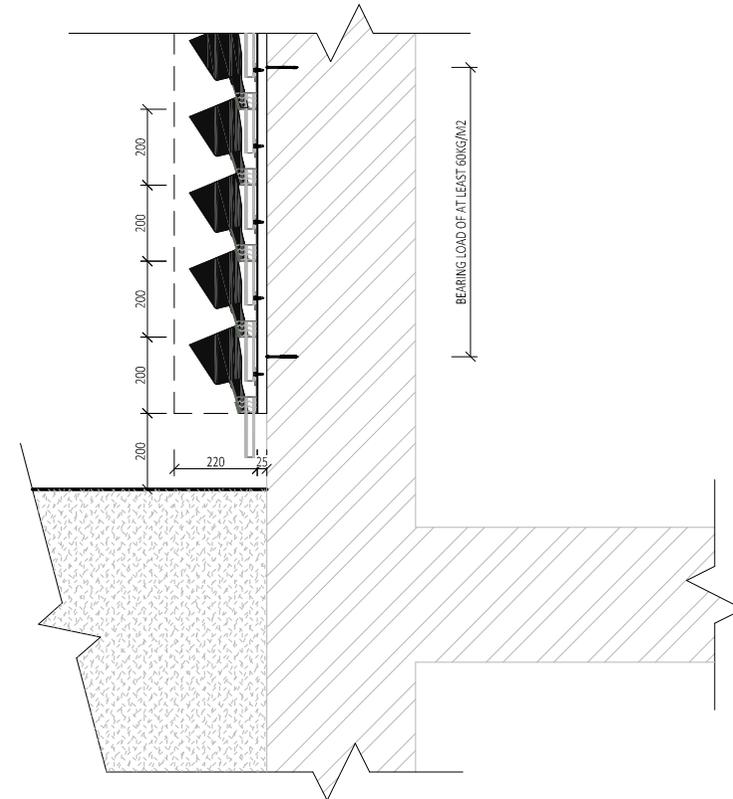
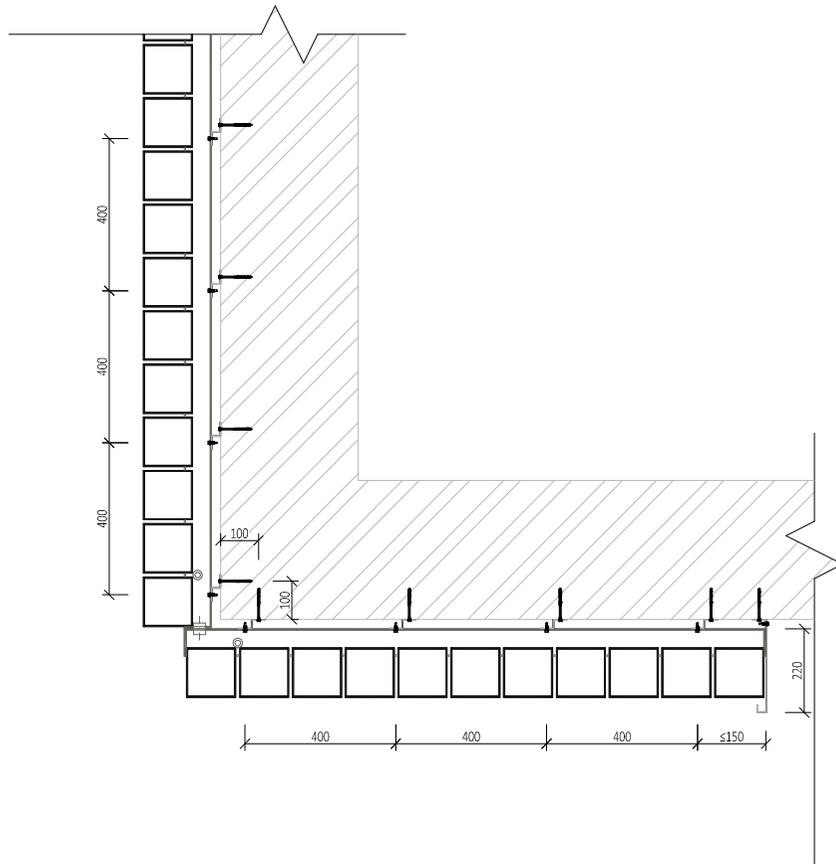
08_VERTICAL CASCADE GARDEN SPECIFICATION – EXTERIOR WITH FACADE INSULATION



VERTICAL CASCADE GARDEN SUBSTRATE PREPARATION (DEKMETAL SYSTEM):

- L GRID SUPPORT ACCORDING TO STATIC EVALUATION (INCLUDING PLASTIC BACKPLATES TO MINIMISE THERMAL BRIDGES)
- HORIZONTAL J50 PROFILE ACCORDING TO STATIC EVALUATION (MAX. 400 MM)
- SCREW GT5 – 5,5 X +19MM FOR FIXING THE SUPPORT FRAME
- SCREW TX 3,5 X 2,5MM FOR FIXING THE TROUGH ONTO THE FRAME GRID
- VERTICAL GARDEN SIDE COVER FROM PLASTICISED SHEET METAL
- VERTICAL GARDEN BOTTOM EDGE WITH NO COVER
- VERTICAL GARDEN TOP EDGE WITH NO COVER

09_VERTICAL CASCADE GARDEN SPECIFICATION – EXTERIOR WITHOUT FACADE INSULATION



VERTICAL CASCADE GARDEN SUBSTRATE PREPARATION:

- L GRID SUPPORT ACCORDING TO STATIC EVALUATION (UNDULATIONS TO BE FILLED USING PLASTIC BACKPLATES)
- SCREW TX 3,5 X 2,5MM FOR FIXING THE TROUGH ONTO THE FRAME GRID
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