

Hi- Therm Homes

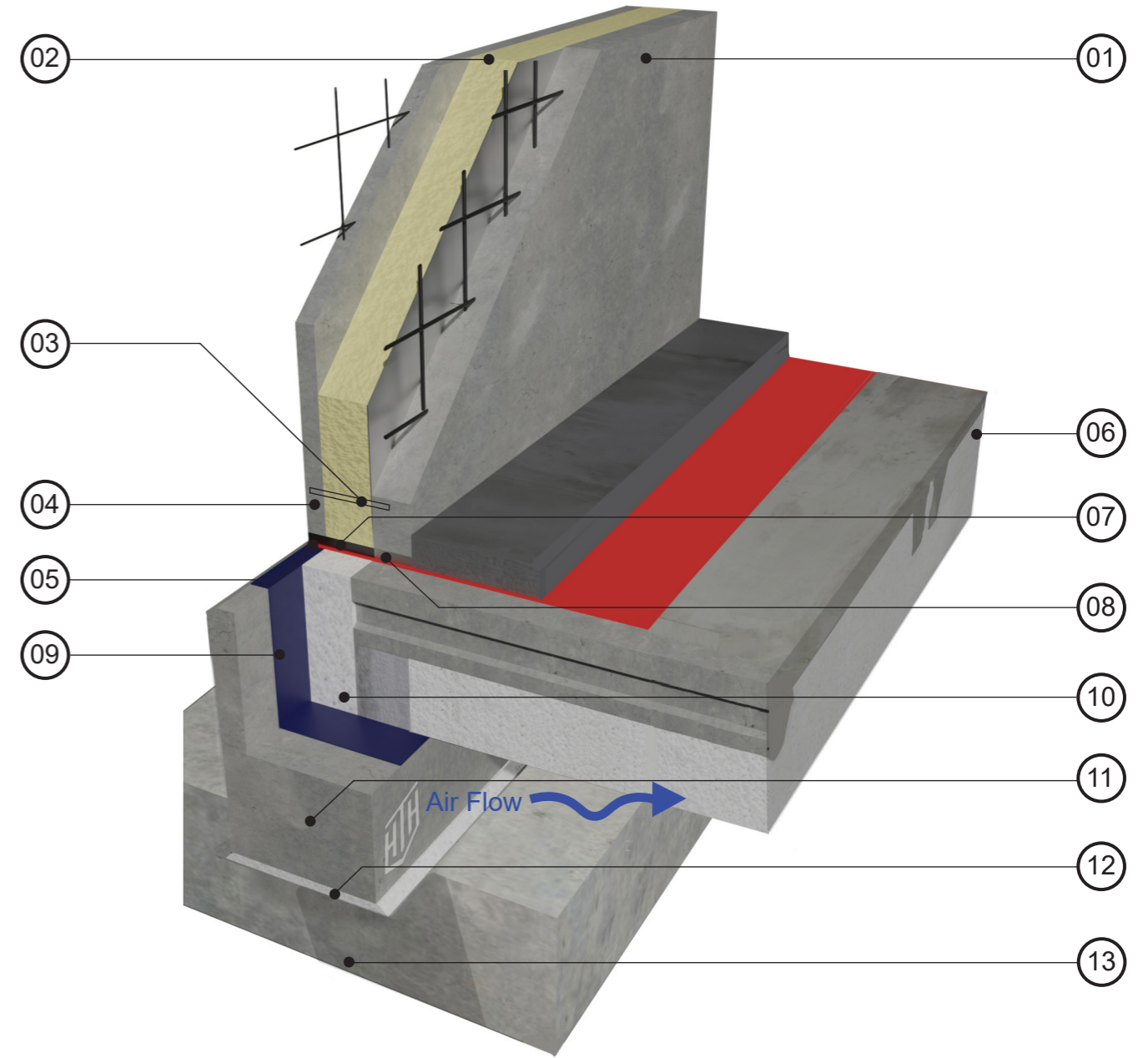
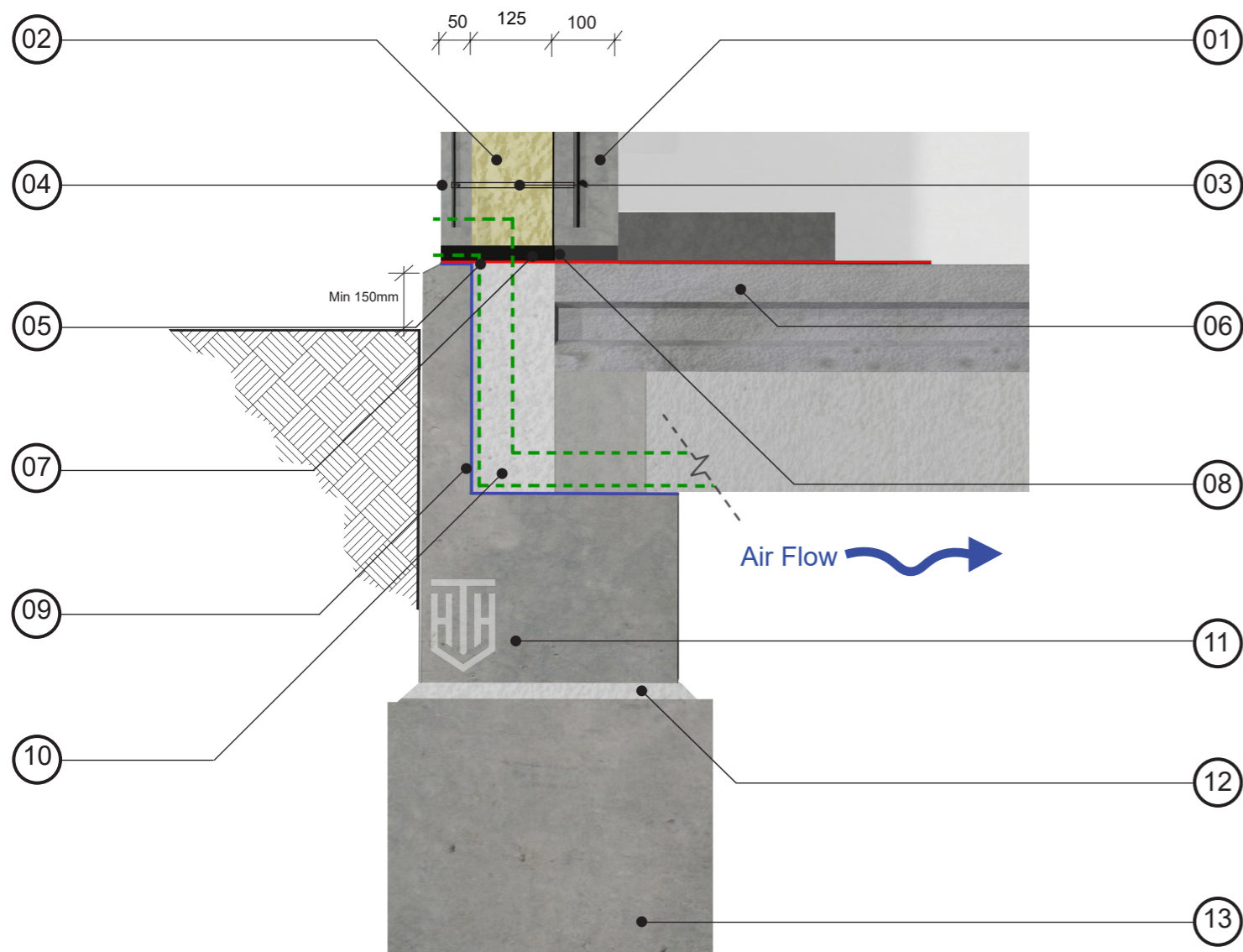
Typical Details

30/09/2021

Harcourt Architects

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TYPICAL SECTION THROUGH EXTERNAL WALL SUPPORTS
SCALE 1:10

DETAIL LEGEND

- ① 100mm thk. C40 CONCRETE INNER LEAF WITH A393 MESH POSITIONED AS SHOWN
- ② HIGH DENSITY INSULATION SANDWICHED BETWEEN CAST INNER AND OUTER PANELS
- ③ THERMOPIN TIE ANCHOR EMBEDDED IN EACH PANEL (4No. TIES PER SQ.M - APPROX. 500mm CENTERS VERTICAL AND HORIZONTAL)
- ④ 50mm thk. C40 CONCRETE OUTER LEAF WITH A142 MESH AS SHOWN
- ⑤ DPM / RADON BARRIER : STRIP TO BE LEFT AT BASE OF WALL. BARRIER TO BE INSTALLED **BY OTHERS** IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
- ⑥ INSULATED GROUND FLOOR SLAB BY HI-THERM HOMES WITH 75mm SCREED **BY OTHERS**
- ⑦ 15mm COMPRESSED INSULATION UNDER OUTER LEAF
- ⑧ HIGH-STRENGTH NON-SHRINK GROUT UNDER INNER LEAF AT MAX. 2.5m CENTRES.
- ⑨ DPC
- ⑩ INSULATION BOARD TO THE END OF THE GROUND FLOOR SLABS AND BENEATH CAVITY WITH TELESCOPIC VENT
- ⑪ GROUND BEAM BY HI-THERM HOMES SPANNING BETWEEN FOUNDATIONS PROVIDED **BY OTHERS**
- ⑫ HIGH-STRENGTH, NON-SHRINK LEVELLING GROUT TO BE PROVIDED BENEATH GROUND BEAM WHERE REQUIRED
- ⑬ PAD FOUNDATIONS SUPPORTING GROUND BEAMS AT MAX. 4m CENTRES **BY OTHERS**

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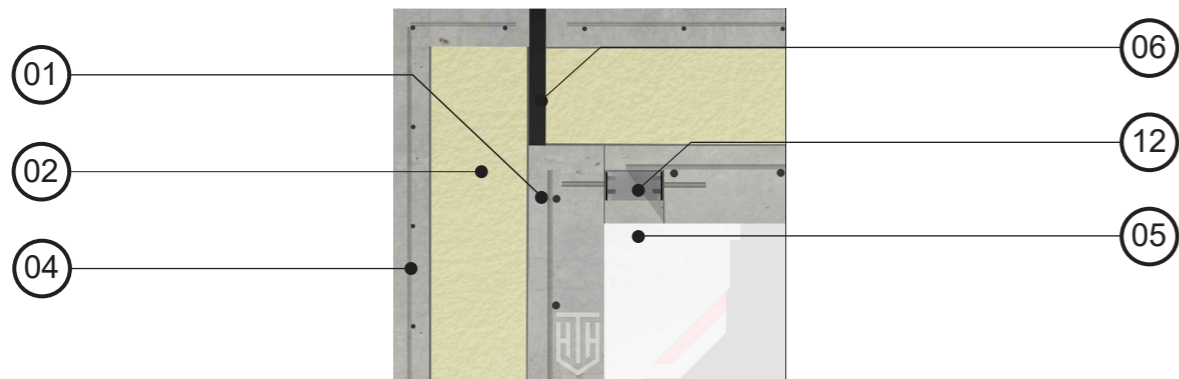
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Project: Hi-Therm Homes Standard Details	Project No:	Rev.: -	Drawing Number: 5010	Scale:
Address:	Stage:	Drawn by: AV	Drawing Title: Detail 01 - Typical ground floor slab to wall detail	
Client: Hi-Therm Homes	Date: 30/09/2021	Check:	File:	

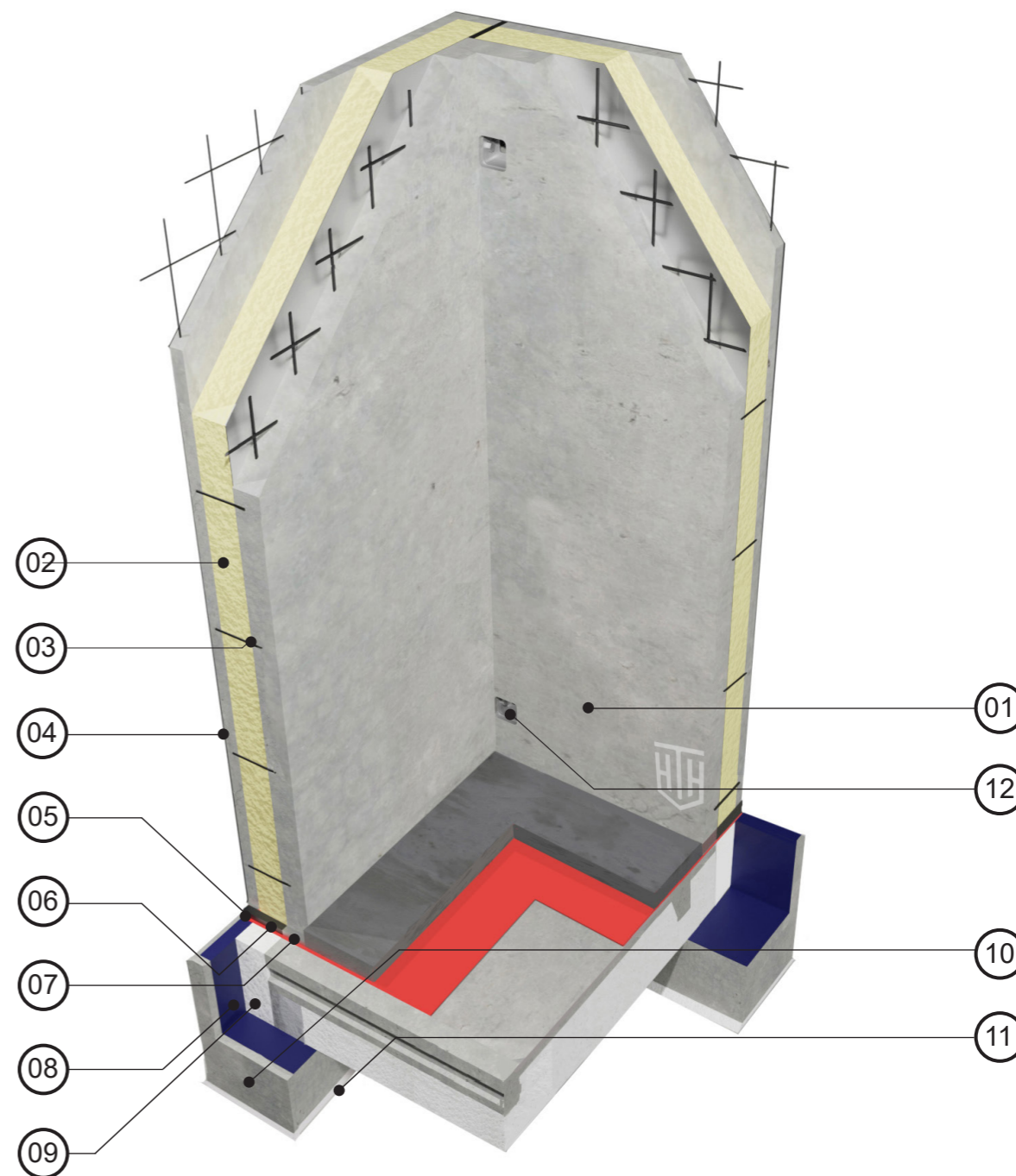
50 125 100



TYPICAL EXTERNAL FRONT WALL AND SIDE WALL CORNER PLAN
SCALE 1:10

DETAIL LEGEND

- ① 100mm thk. C40 CONCRETE INNER LEAF WITH A393 MESH POSITIONED AS SHOWN
- ② HIGH DENSITY INSULATION SANDWICHED BETWEEN CAST INNER AND OUTER PANELS
- ③ THERMOPIN TIE ANCHOR EMBEDDED IN EACH PANEL
(4No. TIES PER SQ.M - APPROX. 500mm CENTERS VERTICAL AND HORIZONTAL)
- ④ 50mm thk. C40 CONCRETE OUTER LEAF WITH A142 MESH AS SHOWN. EXTERNAL FINISH TO BE APPLIED **BY OTHERS**
- ⑤ DPM / RADON BARRIER : STRIP TO BE LEFT AT BASE OF WALL. BARRIER TO BE INSTALLED BY OTHERS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
- ⑥ 15mm COMPRESSED INSULATION BETWEEN PANELS
- ⑦ HIGH-STRENGTH NON-SHRINK GROUT UNDER INNER LEAF AT MAX. 2.5m CENTERS.
- ⑧ DPC
- ⑨ INSULATION BOARD TO THE END OF THE GROUND FLOOR SLABS AND BENEATH CAVITY
- ⑩ GROUND BEAM BY HI-THERM HOMES SPANNING BETWEEN FOUNDATIONS PROVIDED **BY OTHERS**
- ⑪ HIGH-STRENGTH, NON-SHRINK LEVELLING GROUT TO BE PROVIDED BENEATH GROUND BEAM WHERE REQUIRED
- ⑫ 100x100x10 ANGLE FOR PERPENDICULAR ADJOINING PANELS WITH M12 POST-FIX MECHANICAL ANCHORS



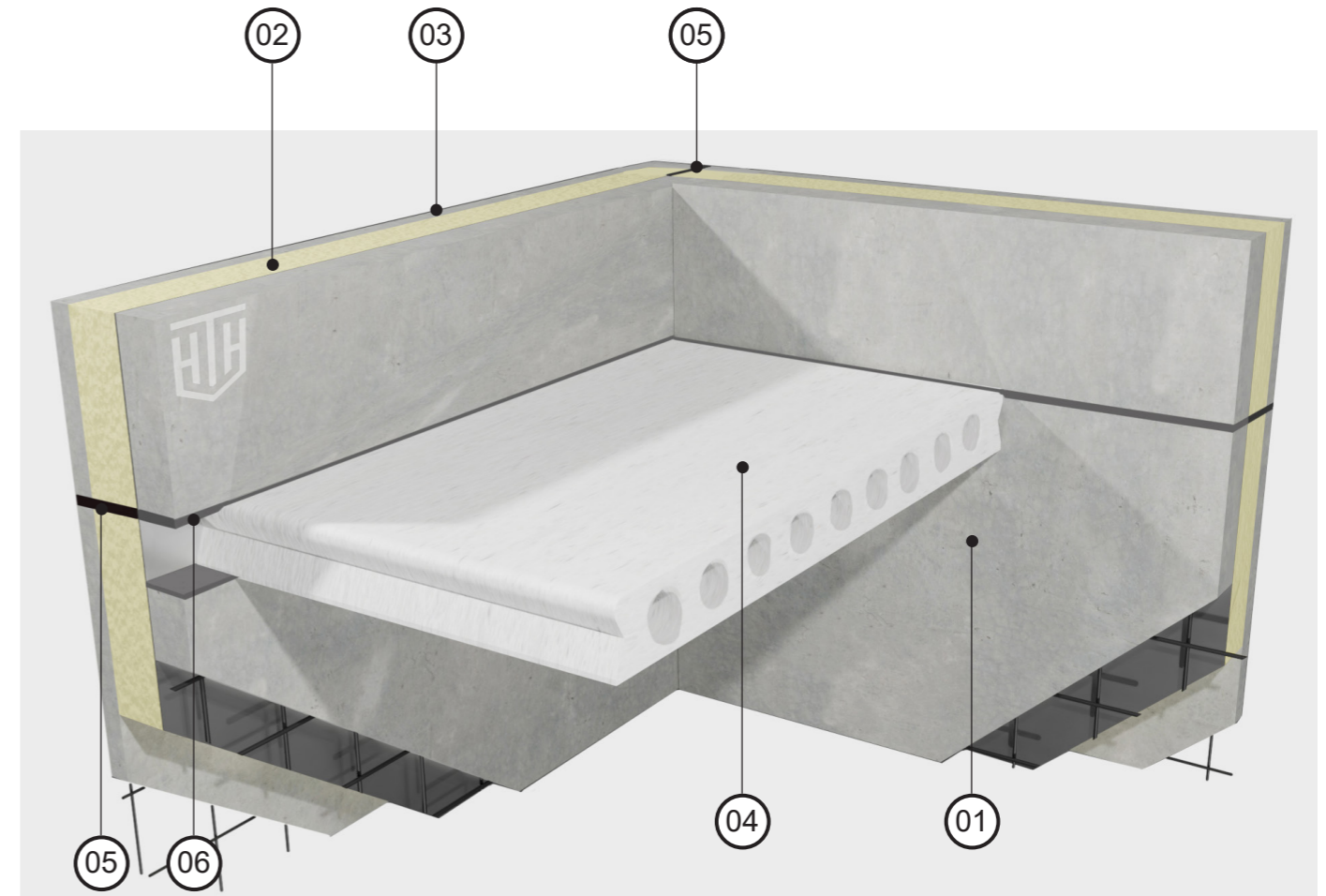
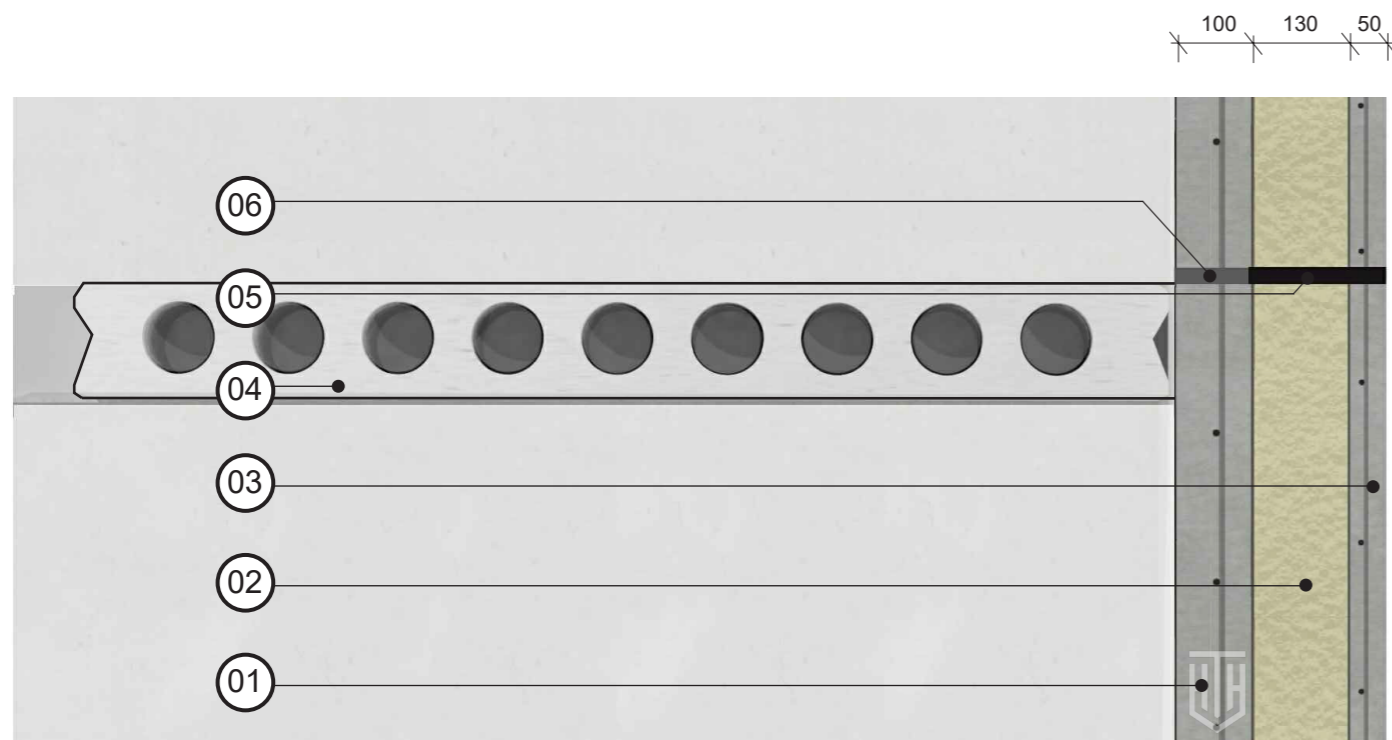
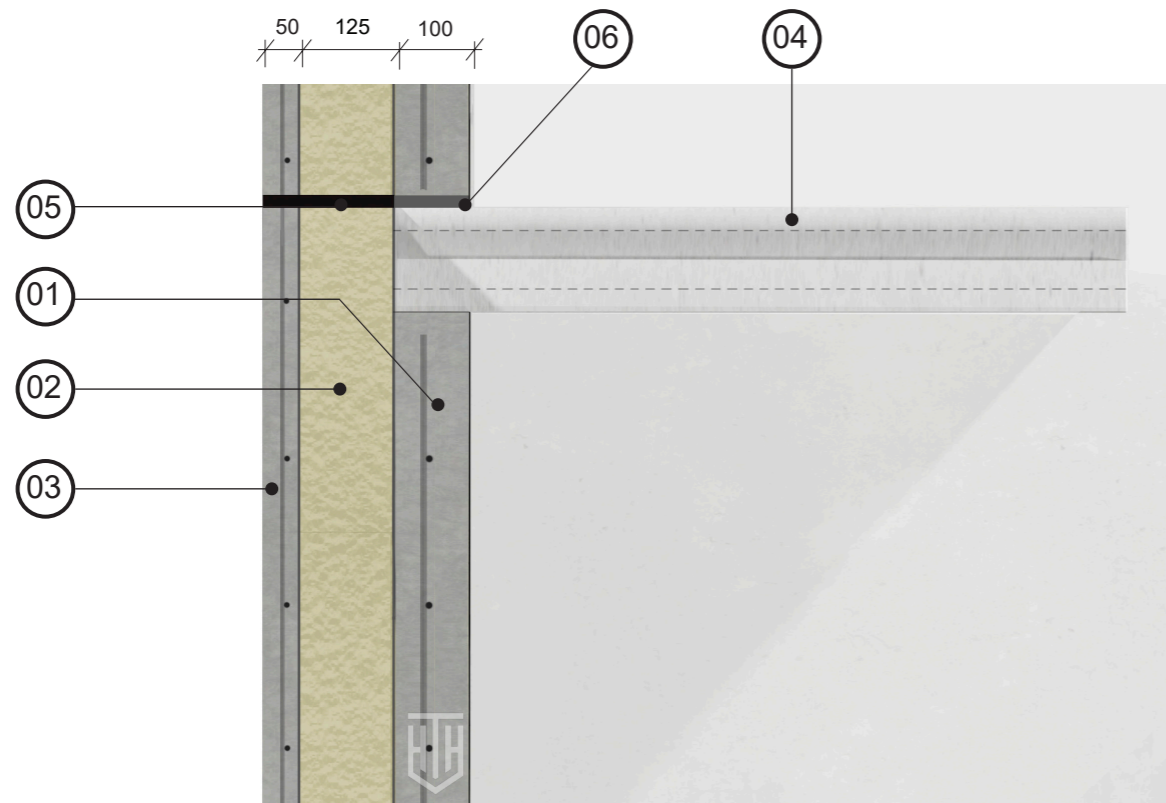
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Project: Hi-Therm Homes Standard Details	Project No:	Rev.: -	Drawing Number: 5011	Scale:
Address:	Stage:	Drawn by: AV	Drawing Title: Detail 02 - Typical front wall meets side wall corner detail	
Client: Hi-Therm Homes	Date: 30/09/2021	Check: RM	File:	



DETAIL LEGEND

- ① 100mm thk. C40 CONCRETE INNER LEAF WITH A393 MESH POSITIONED AS SHOWN
- ② HIGH DENSITY INSULATION SANDWICHED BETWEEN CAST INNER AND OUTER PANELS
- ③ 50mm thk. C40 CONCRETE OUTER LEAF WITH A142 MESH AS SHOWN
- ④ HOLLOW CORE SLAB
- ⑤ 15mm COMPRESSED INSULATION
- ⑥ HIGH-STRENGTH NON-SHRINK GROUT UNDER INNER LEAF AT MAX. 2.5m CENTERS.

TYPICAL SECTIONS THROUGH SEPARATING FLOOR AND WALL
SCALE 1:10

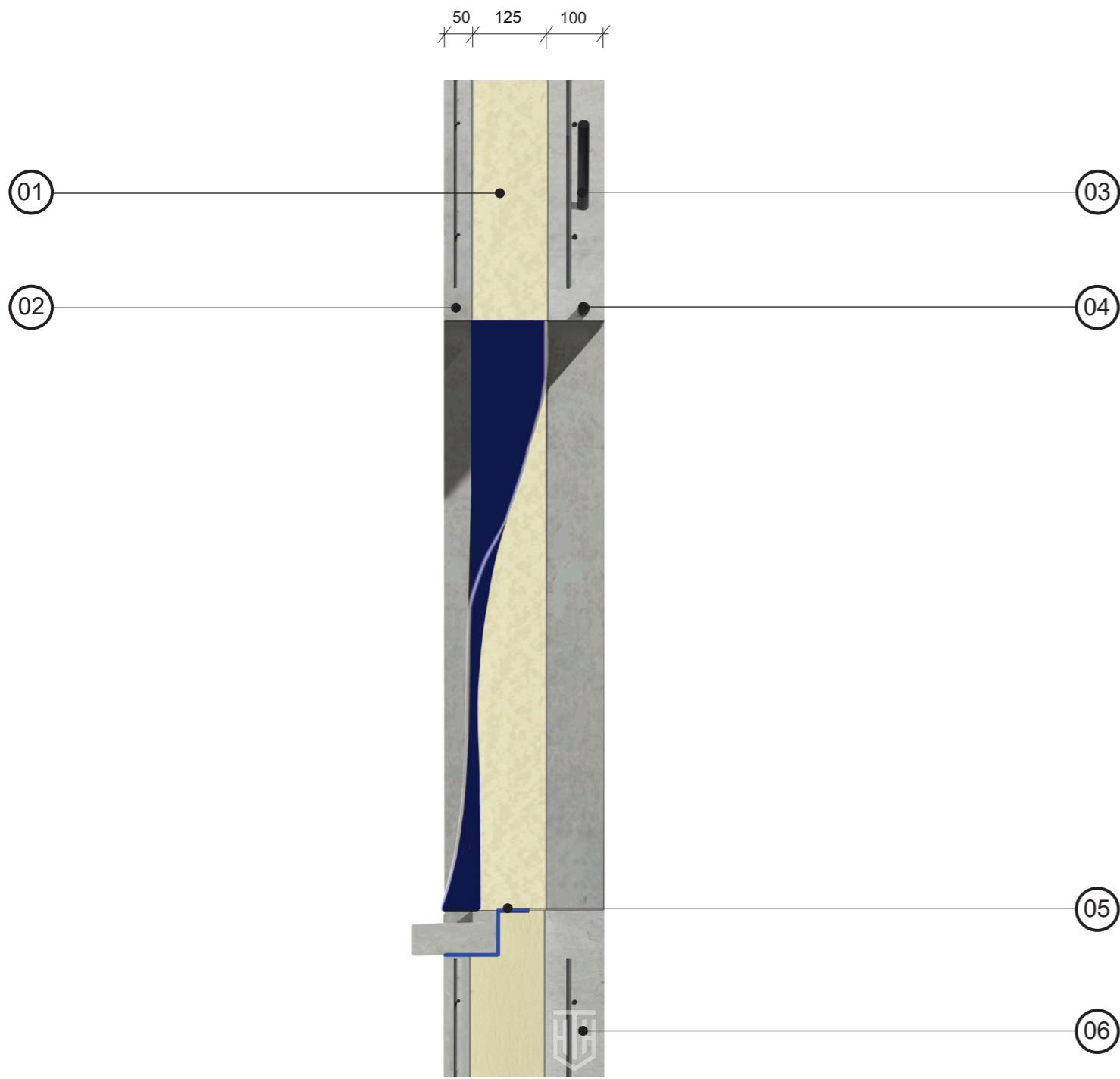
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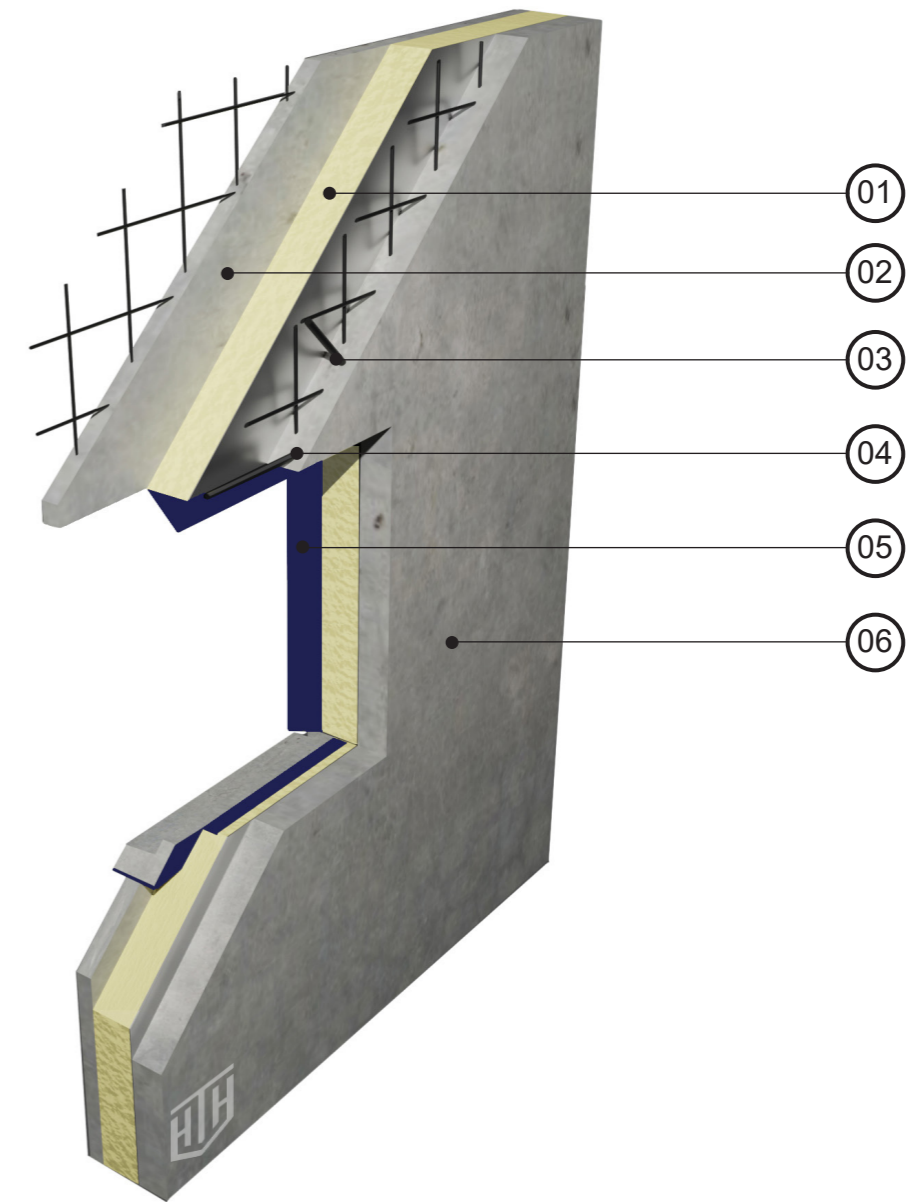


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Project: Hi-Therm Homes Standard Details	Project No: -	Rev.: -	Drawing Number: 5012	Scale:
Address:	Stage:	Drawn by: AV	Drawing Title: Detail 03 - Typical floor meets wall corner detail	
Client: Hi-Therm Homes	Date: 30/09/2021	Check: RM	File:	



TYPICAL SECTION THROUGH EXTERNAL WALL SUPPORTS
SCALE 1:10



DETAIL LEGEND

- ① HIGH DENSITY INSULATION SANDWICHED BETWEEN CAST INNER AND OUTER PANELS
- ② 50mm thk. C40 CONCRETE OUTER LEAF WITH A142 MESH AS SHOWN
- ③ DIAGONAL TRIMMING BAR TO ALL OPENINGS
- ④ LOCATION OF MAIN TENSILE REINFORCEMENT BAR FOR WINDOW
- ⑤ DPC
- ⑥ 100mm thk. C40 CONCRETE INNER LEAF WITH A393 MESH POSITIONED AS SHOWN

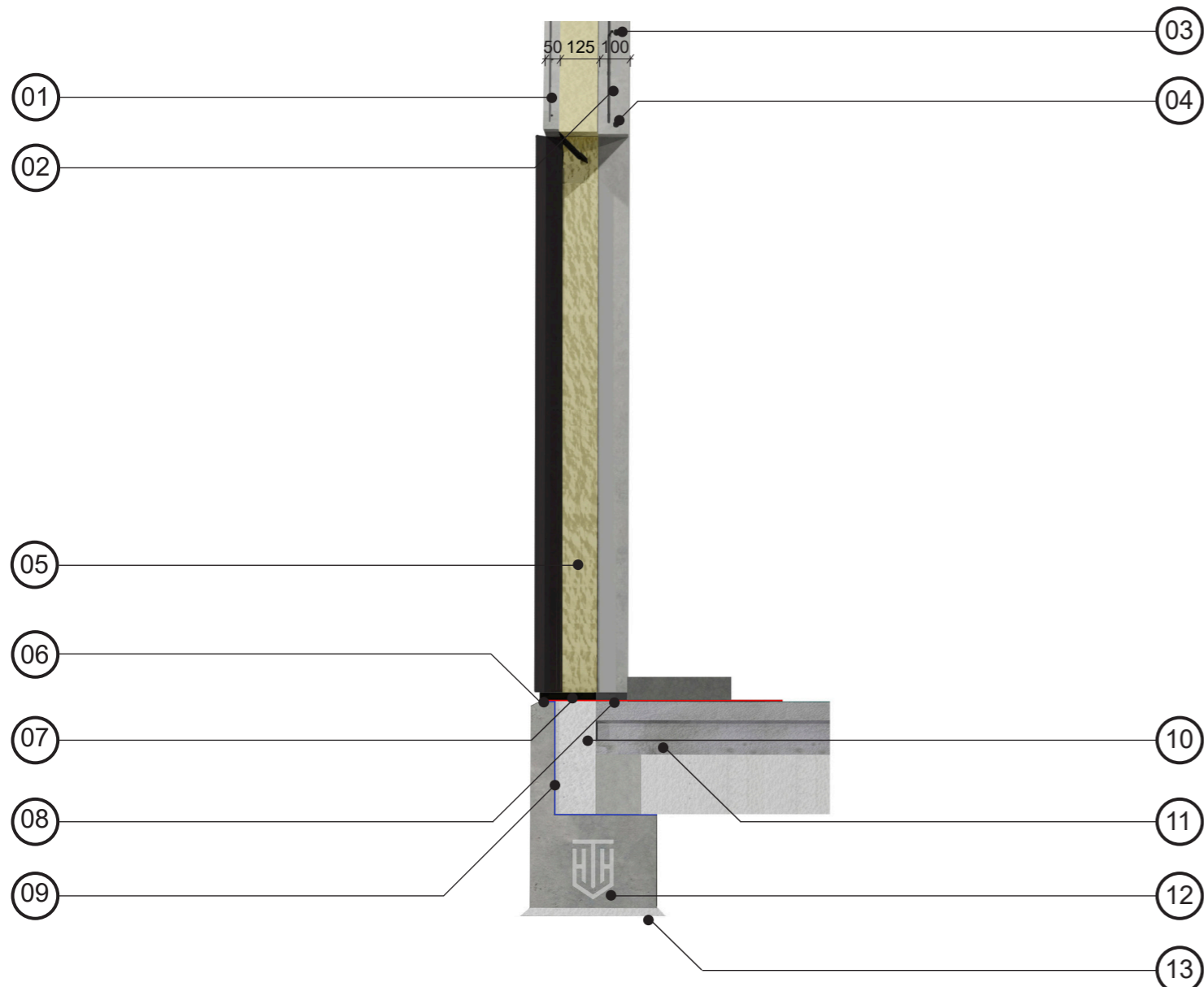
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Project: Hi-Therm Homes Standard Details	Project No: -	Rev.:	Drawing Number: 5013	Scale:
Address:	Stage:	Drawn by: AV	Drawing Title: Detail 04 -Typical wall meets window detail	
Client: Hi-Therm Homes	Date: 31/03/2021	Check: RM	File:	

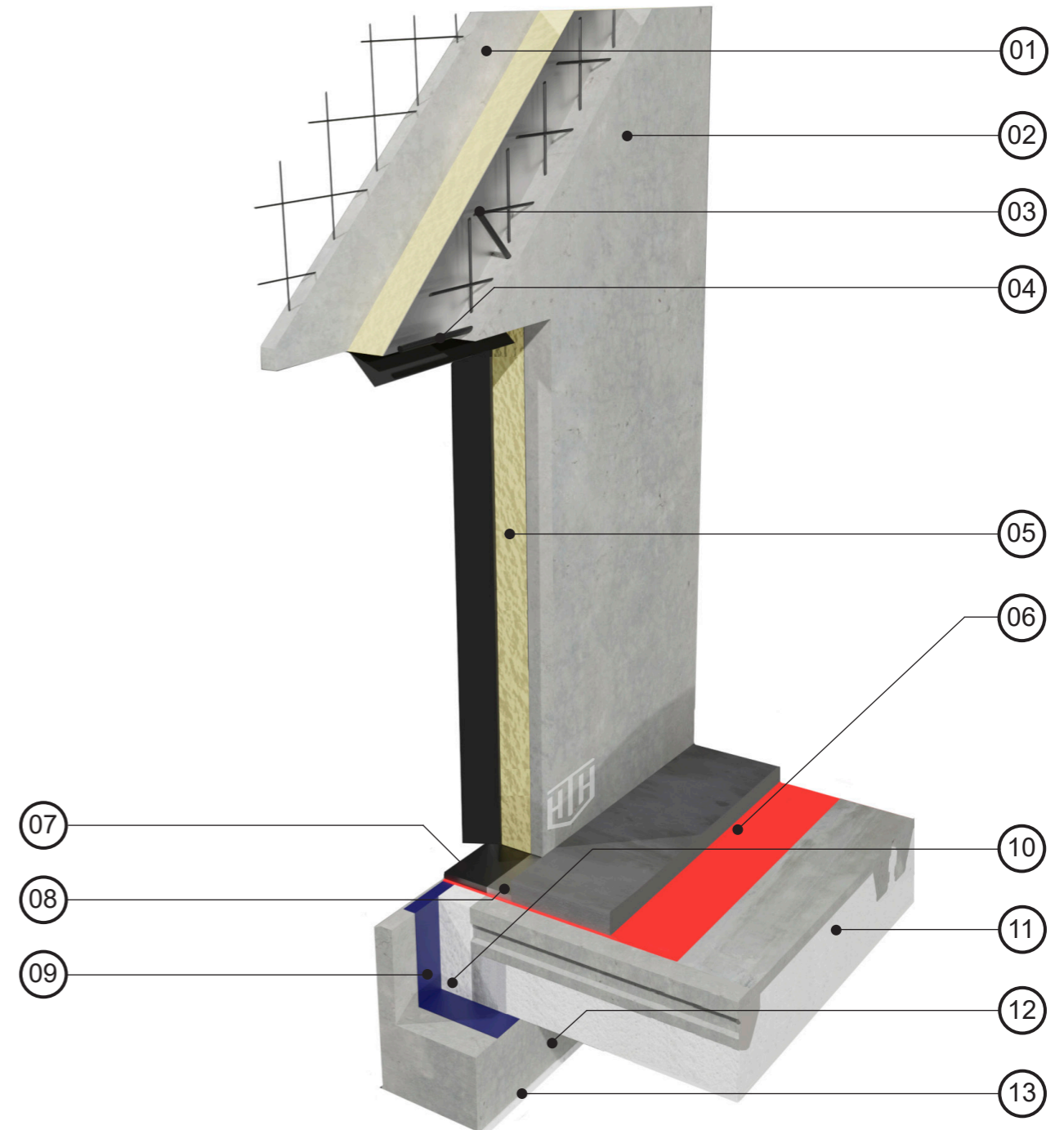


TYPICAL SECTION WALL MEETS DOOR
SCALE 1:20

DETAIL LEGEND

- 01 50mm thk. C40 CONCRETE OUTER LEAF WITH A142 MESH AS SHOWN
- 02 100mm thk. C40 CONCRETE INNER LEAF WITH A393 MESH POSITIONED AS SHOWN
- 03 DIAGONAL TRIMMING BAR TO ALL OPENINGS
- 04 LOCATION OF MAIN TENSILE REINFORCEMENT BAR FOR DOOR
- 05 HIGH DENSITY INSULATION SANDWICHED BETWEEN CAST INNER AND OUTER PANELS
- 06 DPM / RADON BARRIER : STRIP TO BE LEFT AT BASE OF WALL. BARRIER TO BE INSTALLED **BY OTHERS** IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
- 07 15mm COMPRESSED INSULATION UNDER OUTER LEAF
- 08 HIGH-STRENGTH NON-SHRINK GROUT UNDER INNER LEAF AT MAX. 2.5m CENTRES.

- 09 DPC
- 10 INSULATION BOARD TO THE END OF THE GROUND FLOOR SLABS AND BENEATH CAVITY
- 11 INSULATED GROUND FLOOR SLAB BY HI-THERM HOMES WITH 75mm SCREED **BY OTHERS**
- 12 GROUND BEAM BY HI-THERM HOMES SPANNING BETWEEN FOUNDATIONS PROVIDED **BY OTHERS**
- 13 HIGH-STRENGTH, NON-SHRINK GROUT TO BE PROVIDED BENEATH GROUND BEAM WHERE REQUIRED



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Project: Hi-Therm Homes Standard Details	Project No:	Rev.: -	Drawing Number: 5014	Scale:
Address:	Stage:	Drawn by: AV	Drawing Title: Detail 05 - Typical wall meets door detail	
Client: Hi-Therm Homes	Date: 30/09/2021	Check: RM	File:	