

REV	DATE	DESCRIPTION	DR	CH



# Warmup

The world's **best-selling** floor heating brand™

WARMUP PLC, 704 Tudor Estate, Abbey Road, London, NW10 7UW  
 Tel 0845 034 8270 Fax 0208 453 6869  
[cad@warmup.com](mailto:cad@warmup.com) [projects@warmup.com](mailto:projects@warmup.com) [www.warmup.co.uk](http://www.warmup.co.uk)

<b>DRAWING ISSUE STATUS</b>		<b>DRAWING NO</b>
<b>CONSTRUCTION</b>		01
<b>PROJECT</b>		
<b>TOTAL-16 LOW PROFILE SYSTEM</b>		
CONCRETE SUBFLOOR		
<b>TITLE</b>		
GENERIC TEMPLATE		
<b>DETAILED SECTION</b>		
<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
	AA	AW
<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
24.02.2017	1:50@A3	
<b>CAD FILE</b>		
20170224-H-T16-DET SECTIONS.DWG		

## WARMUP TOTAL16. Concrete subfloor. Generic template

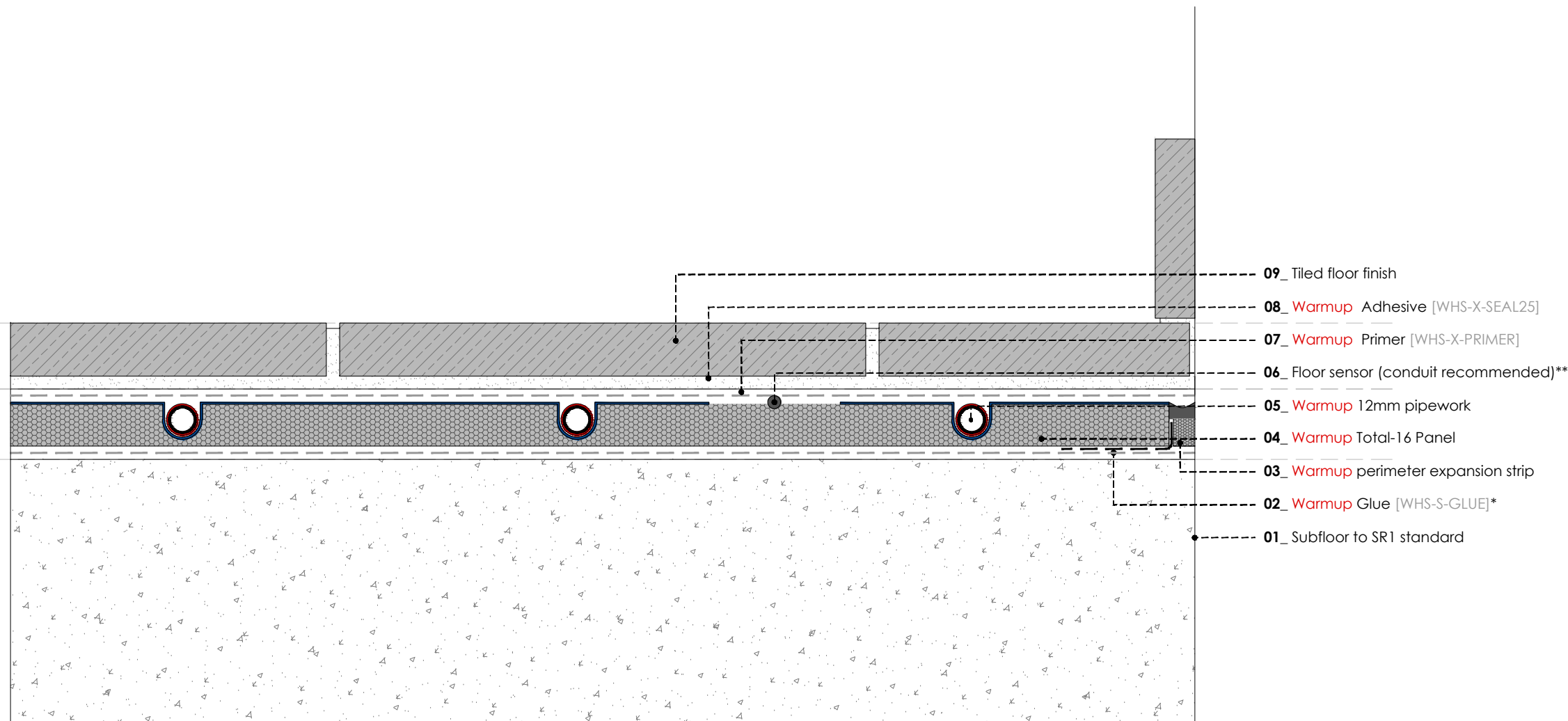
\* If rising damp is an issue use Warmup Adhesive (WHS-X-SEAL25) mixed with binder (WHS-X-BINDER) to adhere the boards to the subfloor. Do not use Warmup Glue (WHS-X-GLUE).

\*\* The aluminium plates should be trimmed to allow 50mm spacing between the sensor and the diffuser plates.

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- 09\_ Tiled floor finish
- 08\_ Warmup Adhesive [WHS-X-SEAL25]
- 07\_ Warmup Primer [WHS-X-PRIMER]
- 06\_ Floor sensor (conduit recommended)\*\*
- 05\_ Warmup 12mm pipework
- 04\_ Warmup Total-16 Panel
- 03\_ Warmup perimeter expansion strip
- 02\_ Warmup Glue [WHS-S-GLUE]\*
- 01\_ Subfloor to SR1 standard

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<b>DRAWING ISSUE STATUS</b>		<b>DRAWING NO</b>
<b>CONSTRUCTION</b>		02
<b>PROJECT</b>		
<b>TOTAL-16 LOW PROFILE SYSTEM</b>		
CONCRETE SUBFLOOR		
<b>TITLE</b>		
TILED FLOOR, DOMESTIC INSTALLATION		
<b>DETAILED SECTION</b>		
<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
	AA	AW
<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
24.02.2017	1:50@A3	
<b>CAD FILE</b>		
20170224-H-T16-DET SECTIONS.DWG		

## WARMUP TOTAL16. Concrete subfloor. Tiled floor - Domestic Installation

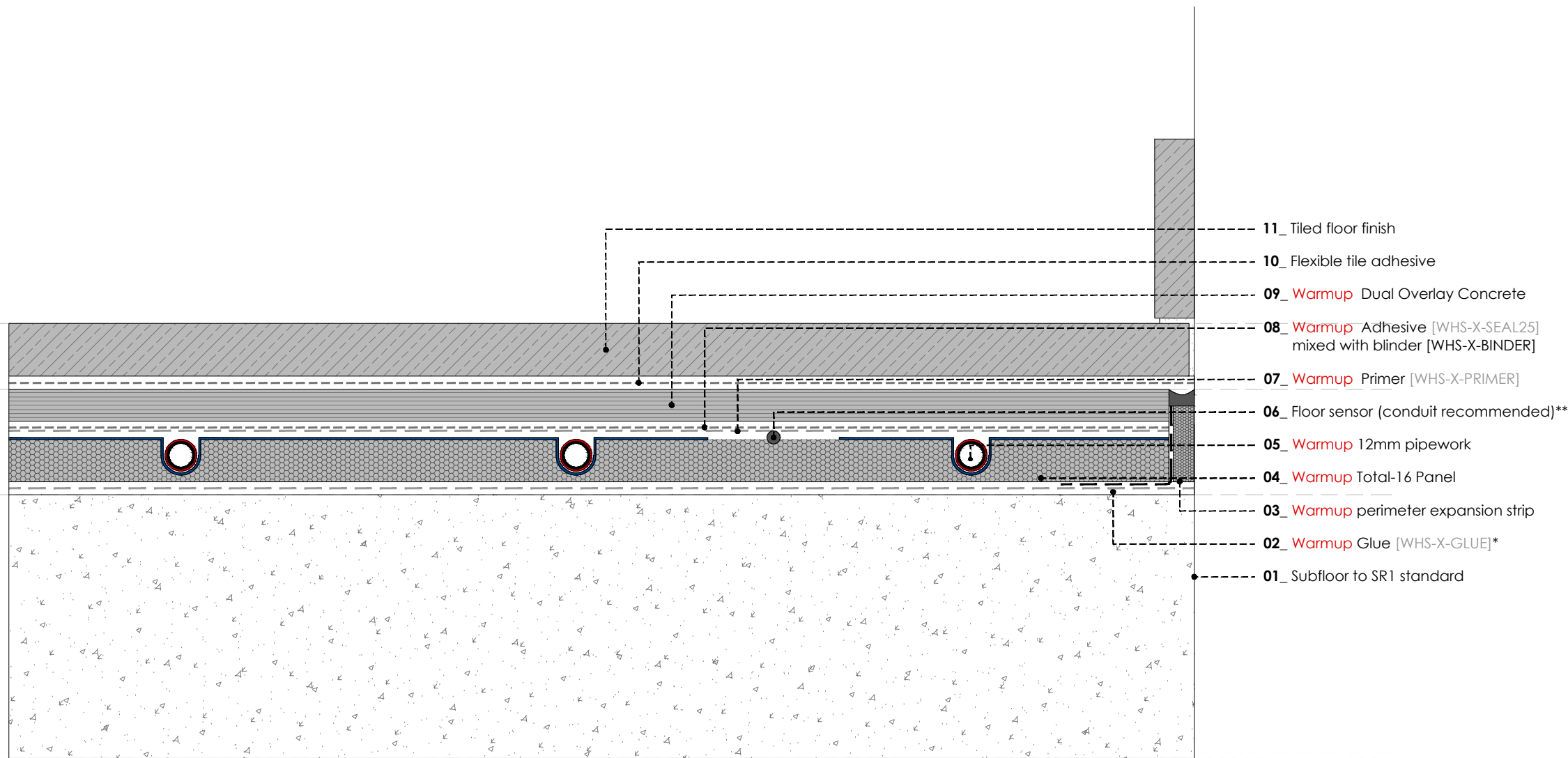
\* If rising damp is an issue use Warmup Adhesive (WHS-X-SEAL25) mixed with binder (WHS-X-BINDER) to adhere the boards to the subfloor. Do not use Warmup Glue (WHS-X-GLUE).

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- 11\_ Tiled floor finish
- 10\_ Flexible tile adhesive
- 09\_ Warmup Dual Overlay Concrete
- 08\_ Warmup Adhesive [WHS-X-SEAL25] mixed with blinder [WHS-X-BINDER]
- 07\_ Warmup Primer [WHS-X-PRIMER]
- 06\_ Floor sensor (conduit recommended)\*\*
- 05\_ Warmup 12mm pipework
- 04\_ Warmup Total-16 Panel
- 03\_ Warmup perimeter expansion strip
- 02\_ Warmup Glue [WHS-X-GLUE]\*
- 01\_ Subfloor to SR1 standard

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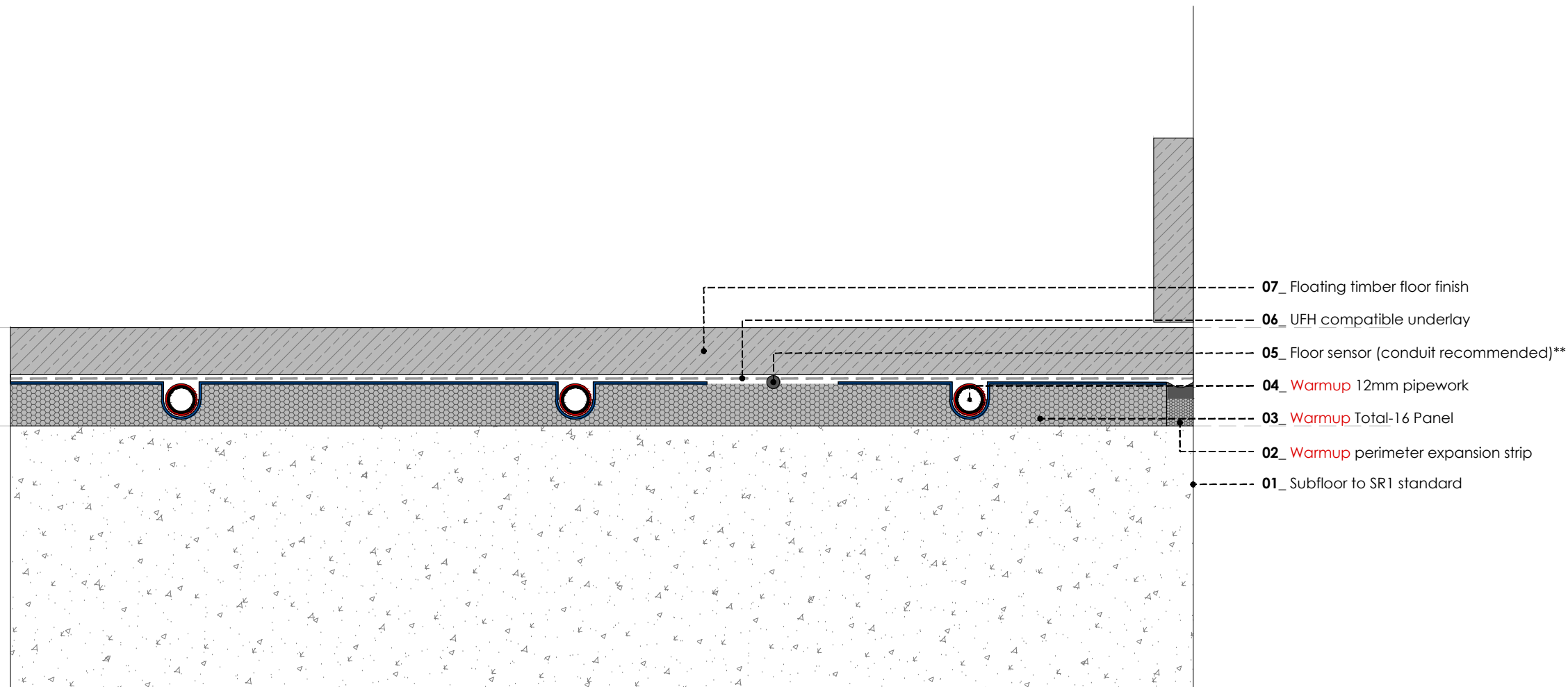
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<b>DRAWING ISSUE STATUS</b>		<b>DRAWING NO</b>
<b>CONSTRUCTION</b>		03
<b>PROJECT</b>		
<b>TOTAL-16 LOW PROFILE SYSTEM</b>		
CONCRETE SUBFLOOR		
<b>TITLE</b>		
TILED FLOOR, LIGHT COMMERCIAL INST.		
<b>DETAILED SECTION</b>		
<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
	AA	AW
<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
24.02.2017	1:50@A3	
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## WARMUP TOTAL16. Concrete subfloor. Tiled floor - Light Commercial Installation

\* If rising damp is an issue use Warmup Adhesive (WHS-X-SEAL25) mixed with binder (WHS-X-BINDER) to adhere the boards to the subfloor. Do not use Warmup Glue (WHS-X-GLUE).  
 \*\* The aluminium plates should be trimmed to allow 50mm spacing between the sensor and the diffuser plates.



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<b>DRAWING ISSUE STATUS</b>	<b>DRAWING NO</b>
<b>CONSTRUCTION</b>	04

**PROJECT**  
**TOTAL-16 LOW PROFILE SYSTEM**  
 CONCRETE SUBFLOOR

**TITLE**  
 25mm WOOD/LAMINATE FLOOR-FLOATING  
**DETAILED SECTION**

<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
	AA	AW

<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
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**CAD FILE**  
 20170224-H-T16-DET SECTIONS.DWG

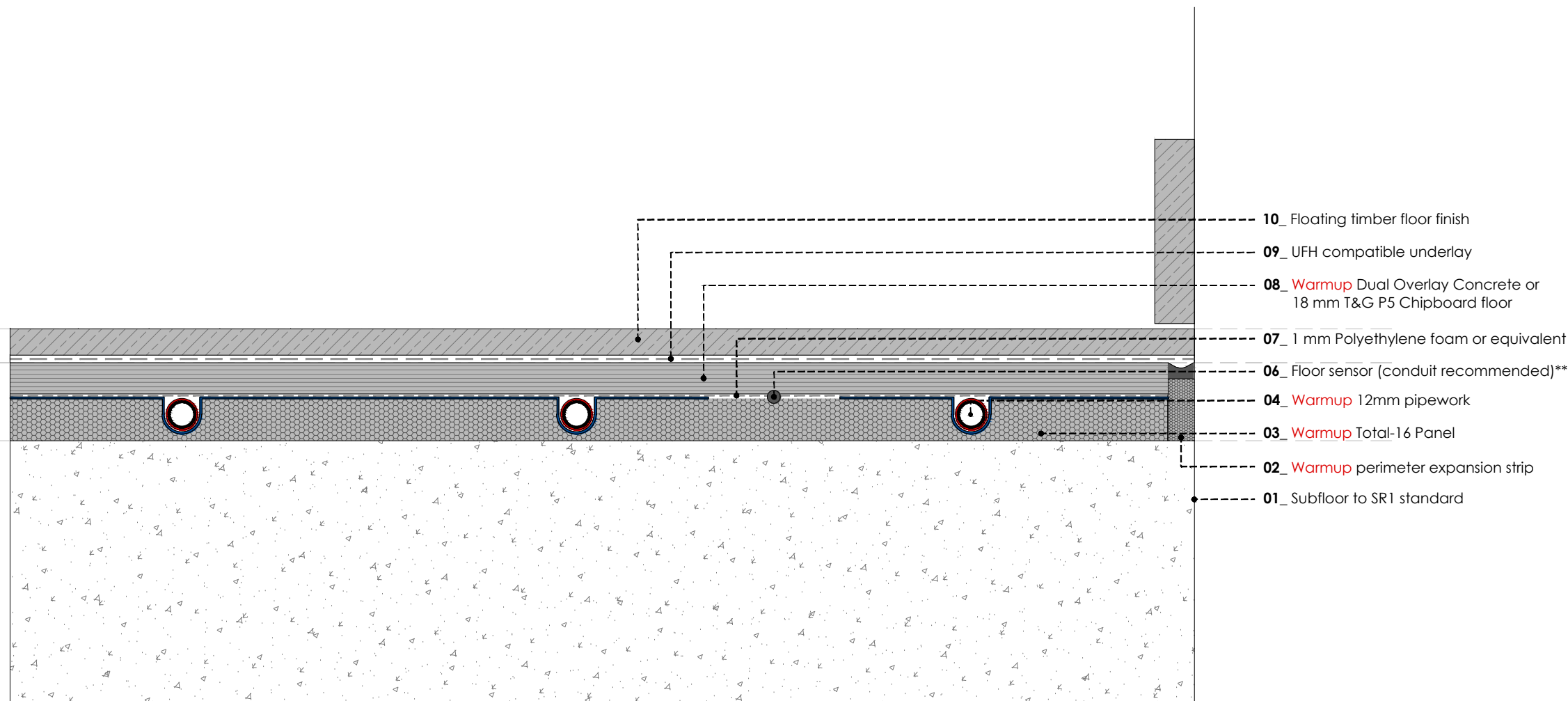
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## WARMUP TOTAL16. Concrete subfloor. 14-25 mm Wood / Laminate floor - floating

\*\* The aluminium plates should be trimmed to allow 50mm spacing between the sensor and the diffuser plates.



- 10\_ Floating timber floor finish
- 09\_ UFH compatible underlay
- 08\_ Warmup Dual Overlay Concrete or 18 mm T&G P5 Chipboard floor
- 07\_ 1 mm Polyethylene foam or equivalent
- 06\_ Floor sensor (conduit recommended)\*\*
- 04\_ Warmup 12mm pipework
- 03\_ Warmup Total-16 Panel
- 02\_ Warmup perimeter expansion strip
- 01\_ Subfloor to SR1 standard

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<b>DRAWING ISSUE STATUS</b>	<b>DRAWING NO</b>
<b>CONSTRUCTION</b>	05

**PROJECT**  
**TOTAL-16 LOW PROFILE SYSTEM**  
**CONCRETE SUBFLOOR**

**TITLE**  
 <14mm WOOD/LAMINATE FLOOR-FLOATING  
**DETAILED SECTION**

<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
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<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
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**CAD FILE**  
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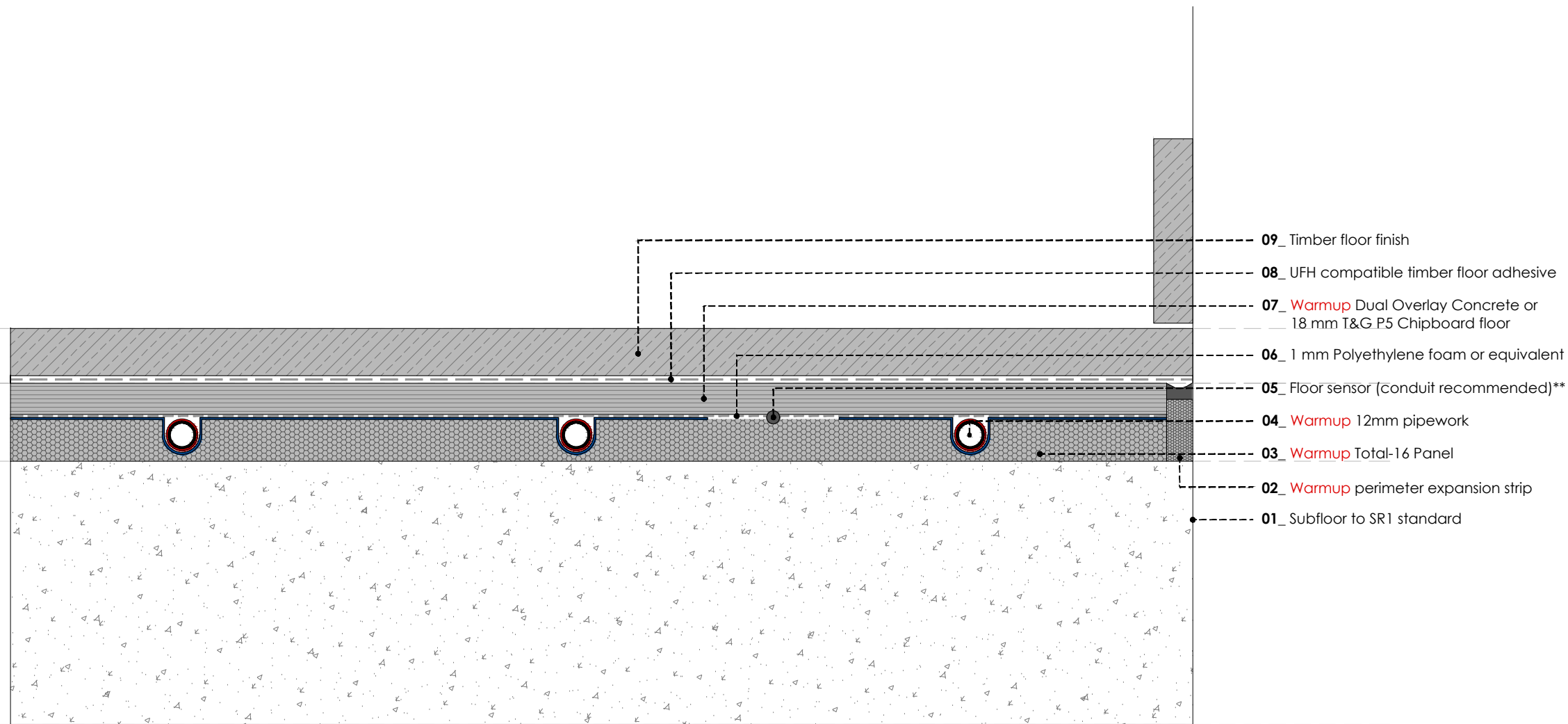
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## WARMUP TOTAL16. Concrete subfloor. <14 mm Wood / Laminate floor - floating

\*\* The aluminium plates should be trimmed to allow 50mm spacing between the sensor and the diffuser plates.



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<b>DRAWING ISSUE STATUS</b>		<b>DRAWING NO</b>
<b>CONSTRUCTION</b>		06
<b>PROJECT</b>		
<b>TOTAL-16 LOW PROFILE SYSTEM</b>		
CONCRETE SUBFLOOR		
<b>TITLE</b>		
WOOD / LAMINATE FLOOR - GLUED		
<b>DETAILED SECTION</b>		
<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
	AA	AW
<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
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<b>CAD FILE</b>		
20170224-H-T16-DET SECTIONS.DWG		

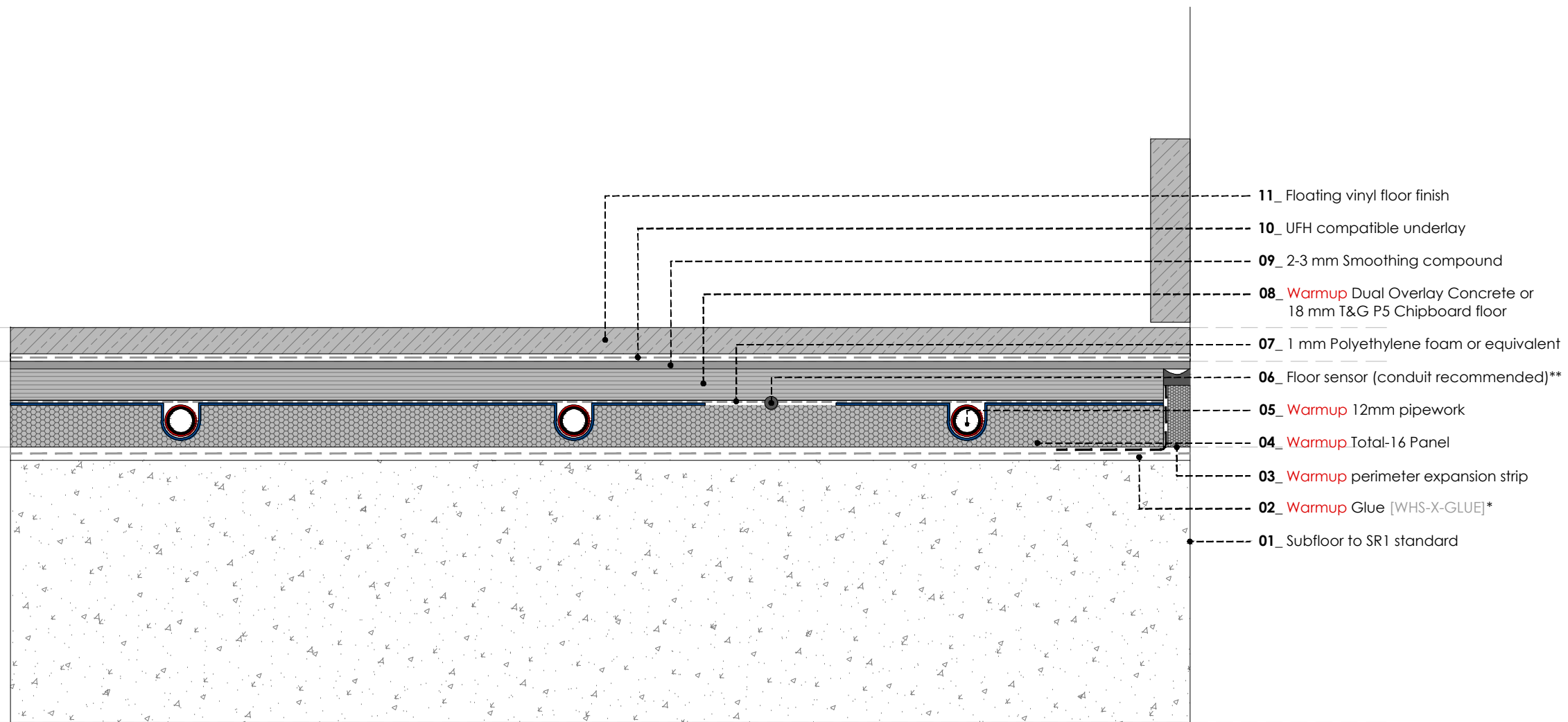
## WARMUP TOTAL16. Concrete subfloor. Wood / Laminate floor - glued

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<b>DRAWING ISSUE STATUS</b>		<b>DRAWING NO</b>
<b>CONSTRUCTION</b>		07
<b>PROJECT</b>		
<b>TOTAL-16 LOW PROFILE SYSTEM</b>		
CONCRETE SUBFLOOR		
<b>TITLE</b>		
VINYL FLOOR - FLOATING		
<b>DETAILED SECTION</b>		
<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
	AA	AW
<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
24.02.2017	1:50@A3	
<b>CAD FILE</b>		
20170224-H-T16-DET SECTIONS.DWG		

## WARMUP TOTAL16. Concrete subfloor. Vinyl floor - floating

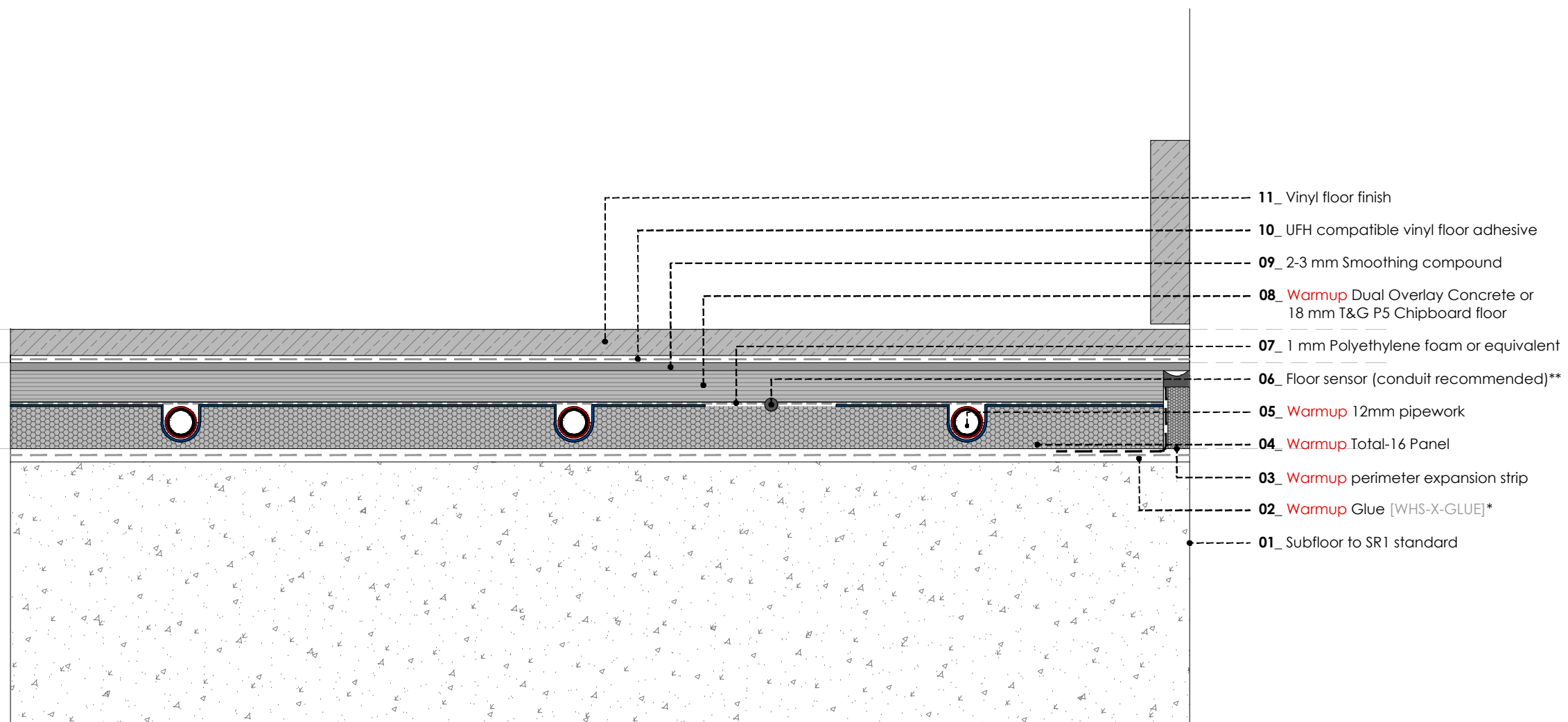
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<b>DRAWING ISSUE STATUS</b>		<b>DRAWING NO</b>
<b>CONSTRUCTION</b>		08
<b>PROJECT</b>		
<b>TOTAL-16 LOW PROFILE SYSTEM</b>		
CONCRETE SUBFLOOR		
<b>TITLE</b>		
VINYL FLOOR - GLUED		
<b>DETAILED SECTION</b>		
<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
	AA	AW
<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
24.02.2017	1:50@A3	
<b>CAD FILE</b>		
20170224-H-T16-DET SECTIONS.DWG		

## WARMUP TOTAL16. Concrete subfloor. Vinyl floor - glued

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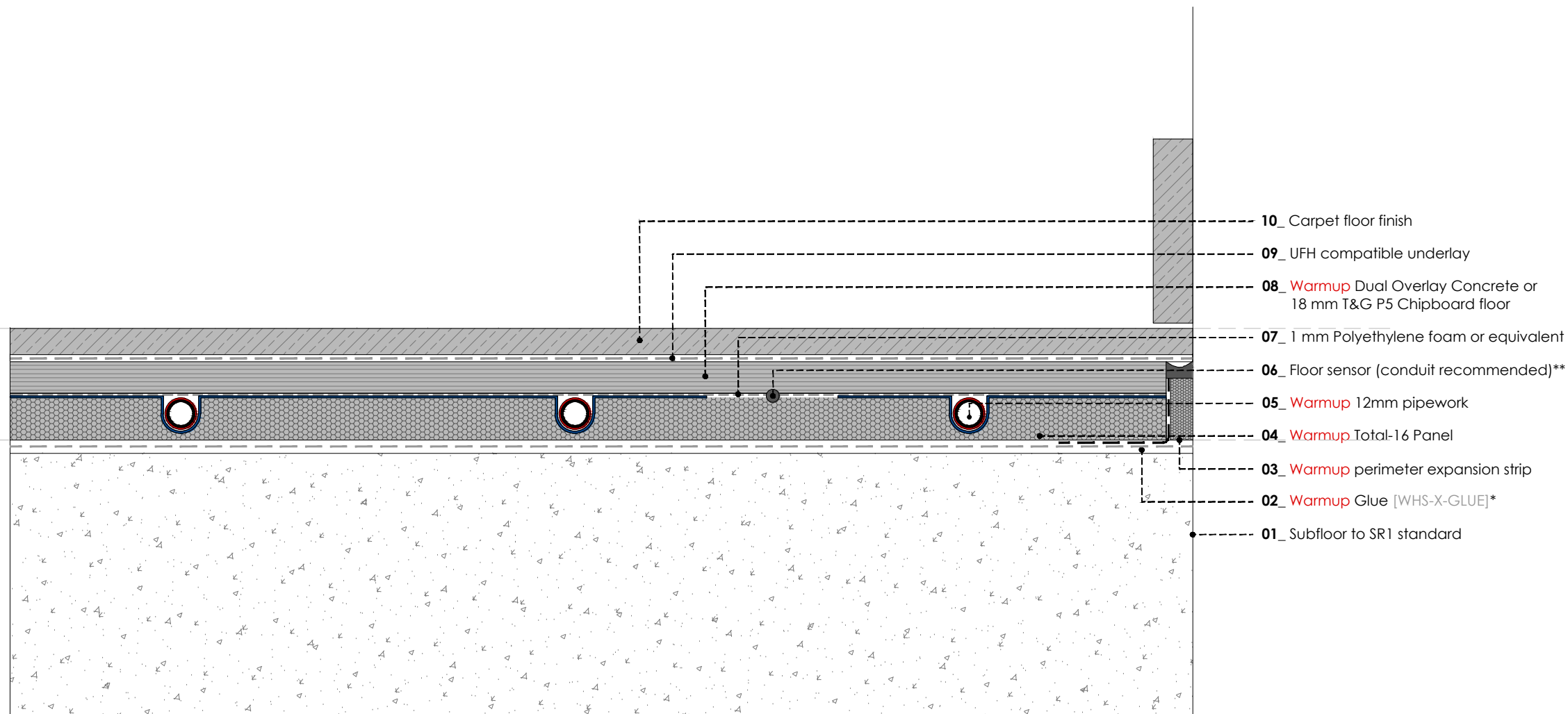
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- 10\_ Carpet floor finish
- 09\_ UFH compatible underlay
- 08\_ Warmup Dual Overlay Concrete or 18 mm T&G P5 Chipboard floor
- 07\_ 1 mm Polyethylene foam or equivalent
- 06\_ Floor sensor (conduit recommended)\*\*
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- 04\_ Warmup Total-16 Panel
- 03\_ Warmup perimeter expansion strip
- 02\_ Warmup Glue [WHS-X-GLUE]\*
- 01\_ Subfloor to SR1 standard

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<b>DRAWING ISSUE STATUS</b>		<b>DRAWING NO</b>
<b>CONSTRUCTION</b>		09
<b>PROJECT</b>		
<b>TOTAL-16 LOW PROFILE SYSTEM CONCRETE SUBFLOOR</b>		
<b>TITLE</b>		
CARPET FLOOR <b>DETAILED SECTION</b>		
<b>PROJECT MANAGER</b>	<b>DRAWN</b>	<b>CHECKED</b>
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<b>DATE</b>	<b>SCALE</b>	<b>REVISION</b>
24.02.2017	1:50@A3	
<b>CAD FILE</b>		
20170224-H-T16-DET SECTIONS.DWG		

## WARMUP TOTAL16. Concrete subfloor. Carpet floor

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