

Detail Ref.	Detail Title
HH-SW-01	Solid External Masonry Wall, Externally Insulated - Suspended Beam And Block Floor, Insulation Above Slab
HH-SW-02	Solid External Masonry Wall, Externally Insulated - Suspended In-Situ Concrete Floor, Insulation Below Slab
HH-SW-03	Solid External Masonry Wall, Externally Insulated - Concrete Ground Bearing Floor, Insulation Below Slab
HH-SW-04	Solid External Masonry Wall, Externally Insulated - Solid Wall Lintel
HH-SW-05	Solid External Masonry Wall, Externally Insulated - Sill
HH-SW-06	Solid External Masonry Wall, Externally Insulated - Jamb
HH-SW-07	Solid External Masonry Wall, Externally Insulated - Intermediate Timber Floor Within A Dwelling
HH-SW-08	Solid External Masonry Wall, Externally Insulated - Precast Concrete Separating Floor Between Dwellings
HH-SW-09	Solid External Masonry Wall, Externally Insulated - Pitched Roof, Gable, Insulation At Ceiling Level, Ventilated Loft
HH-SW-10	Solid External Masonry Wall, Externally Insulated - Pitched Roof, Gable, Insulation At Rafter Level, Unventilated Rafter Void
HH-SW-11	Solid External Masonry Wall, Externally Insulated - Pitched Roof, Eaves, Insulation At Ceiling Level, Ventilated Loft
HH-SW-12	Solid External Masonry Wall, Externally Insulated - Pitched Roof, Eaves, Insulation At Rafter Level, Unventilated Rafter Void
HH-SW-13	Solid External Masonry Wall, Externally Insulated - Normal Corner
HH-SW-14	Solid External Masonry Wall, Externally Insulated - Inverted Corner
HH-SW-15	Solid External Masonry Wall, Externally Insulated - Party Wall Between Dwellings

REV.	DATE.	DESCRIPTION.	BY.
A	11.2015	LABC NOTE ADDED.	SJB

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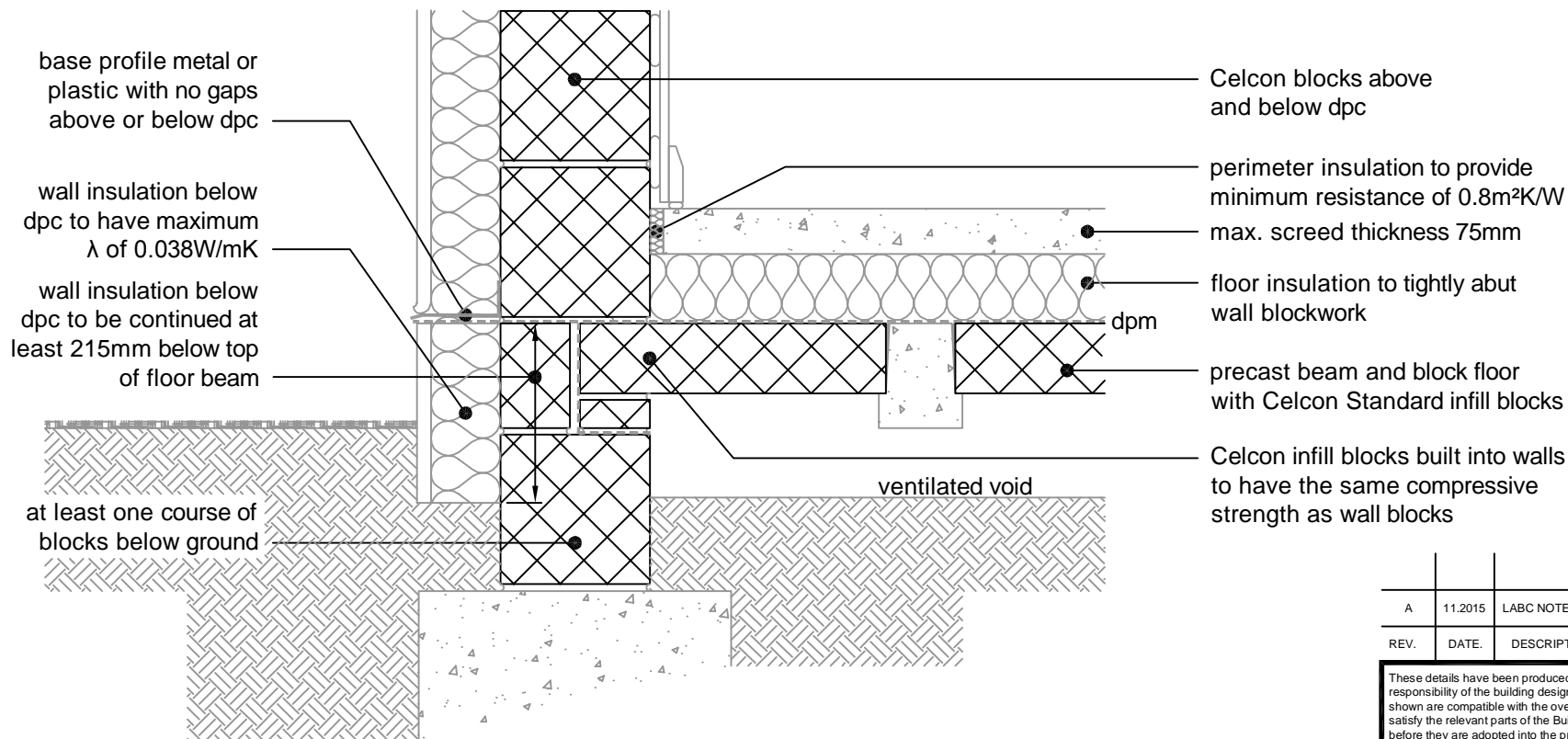
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 Technical Services Dept.
 Celcon House
 Ightham, Sevenoaks
 Kent, TN15 9HZ.
 Tel +44 (0)1732 880580
 Fax +44 (0)1732 887013
 E-mail tsd@hhcelcon.co.uk

TITLE **Standard Junction Details
 (solid wall with external insulation)**

DWG No. **INDEX**

DRAWN BY **SJB** CHECKED BY **AHR**

DATE **Nov 2013** SCALE **N.T.S.** REV.NO. **A**



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REV.	DATE.	DESCRIPTION.	BY.

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 Technical Services Dept.
 Celcon House
 Ightham, Sevenoaks
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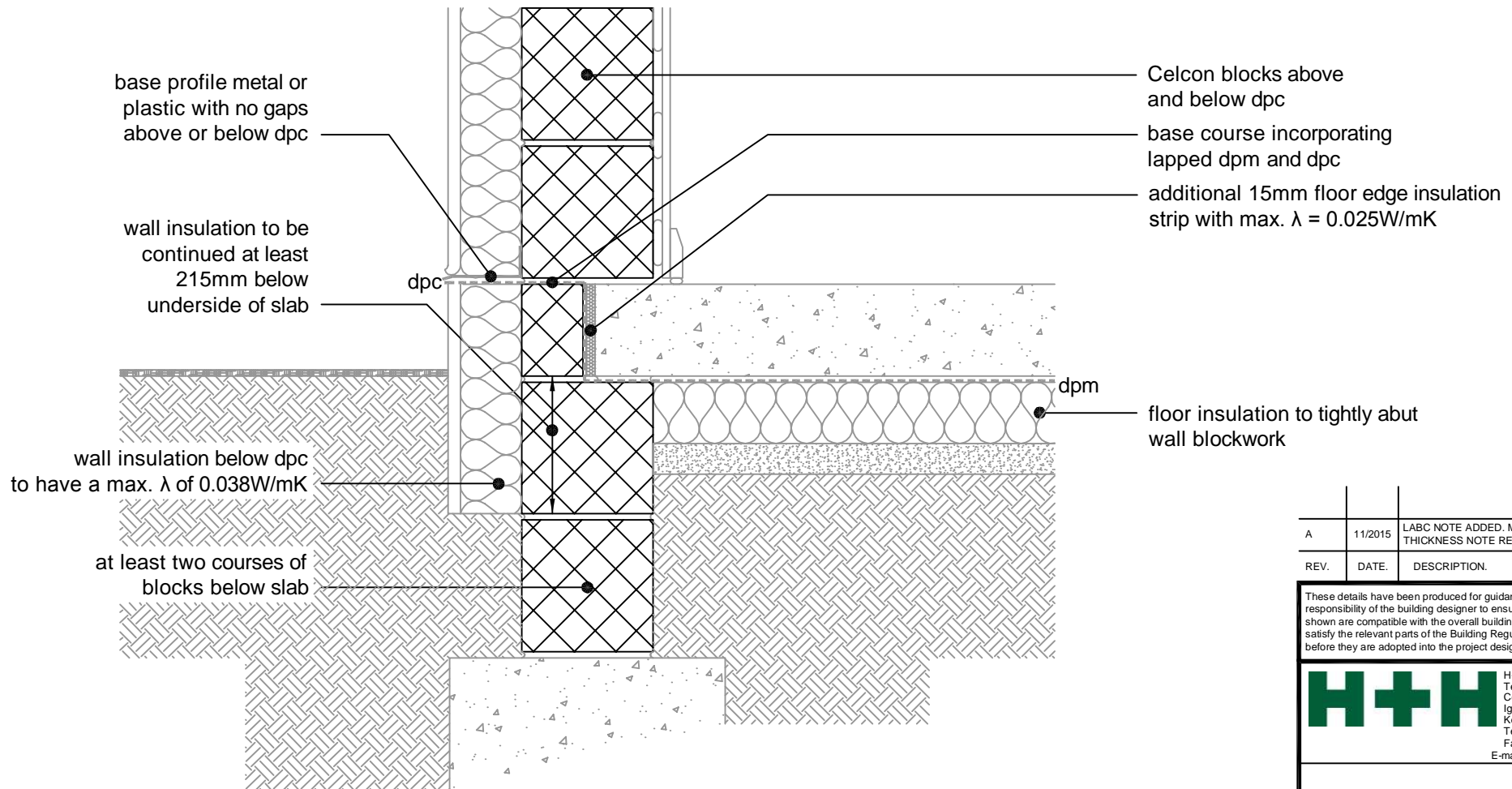
TITLE Solid External Masonry Wall,
 Externally Insulated - Suspended Beam
 And Block Floor, Insulation Above Slab

DWG No. HH-SW-01

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DATE Nov 2013 SCALE 1:100 @ A4 REV.NO. A

For Ψ values applicable to this detail,
 see Constructive Details CD0038
 or
 LABC Registered Construction
 Details E5SMEW1 - 12.



For Ψ values applicable to this detail,
 see Constructive Details CD0039
 or
 LABC Registered Construction
 Details E5SMEW13 - 24.

REV.	DATE.	DESCRIPTION.	BY.
A	11/2015	LABC NOTE ADDED. MAX. FLOOR THICKNESS NOTE REMOVED.	SJB

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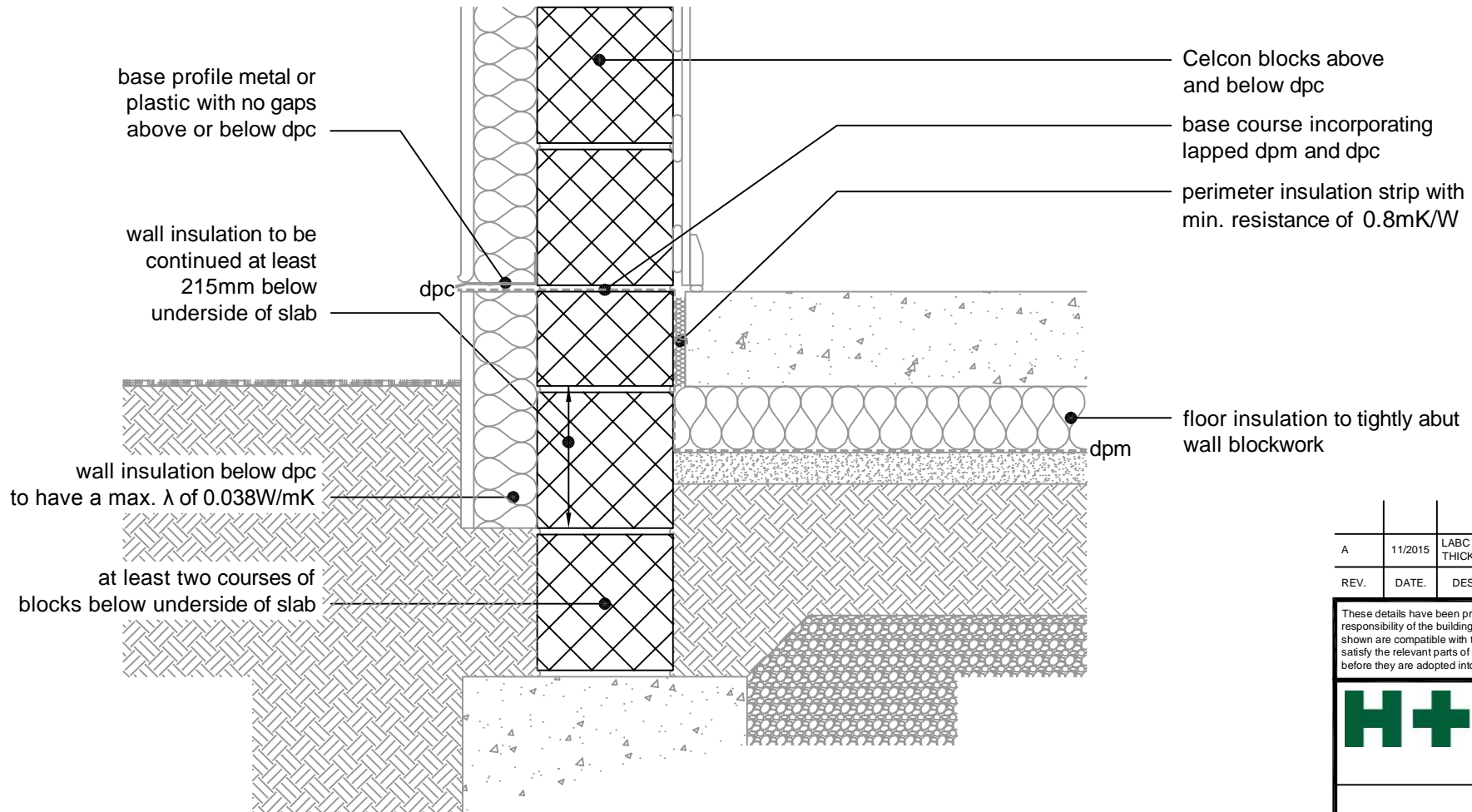
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 Technical Services Dept.
 Celcon House
 Ightham, Sevenoaks
 Kent, TN15 9HZ.
 Tel +44 (0)1732 880580
 Fax +44 (0)1732 887013
 E-mail tsd@hhcelcon.co.uk

TITLE Solid External Masonry Wall,
 Externally Insulated - Suspended In-Situ
 Concrete Floor, Insulation Below Slab

DWG No. HH-SW-02

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A	11/2015	LABC NOTE ADDED. MAX. FLOOR THICKNESS NOTE REMOVED	SJB
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 Celcon House
 Ightham, Sevenoaks
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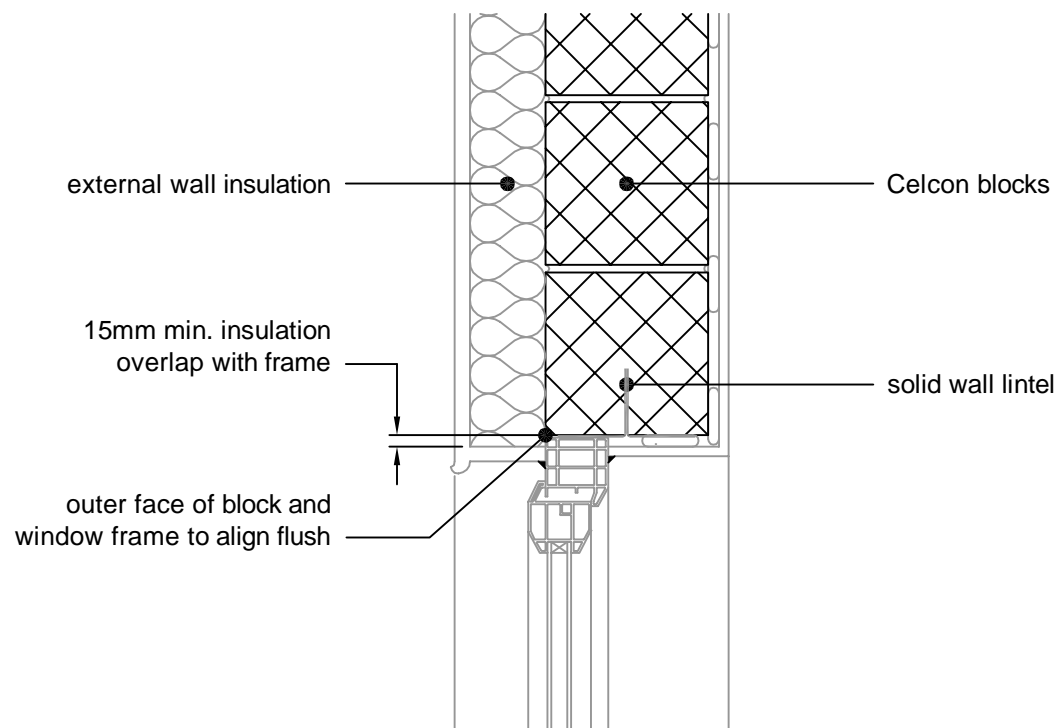
TITLE Solid External Masonry Wall,
 Externally Insulated - Concrete Ground
 Bearing Floor, Insulation Below Slab

DWG No. HH-SW-03

DRAWN BY SJB CHECKED BY AHR

DATE Nov 2013 SCALE 1:100 @ A4 REV.NO. A

For Ψ values applicable to this detail,
 see Constructive Details CD0040
 or
 LABC Registered Construction
 Details E5SMEW25 - 36.



For Ψ values applicable to this detail,
 see Constructive Details CD0041
 or
 LABC Registered Construction
 Details E2SMEW1 - 6.

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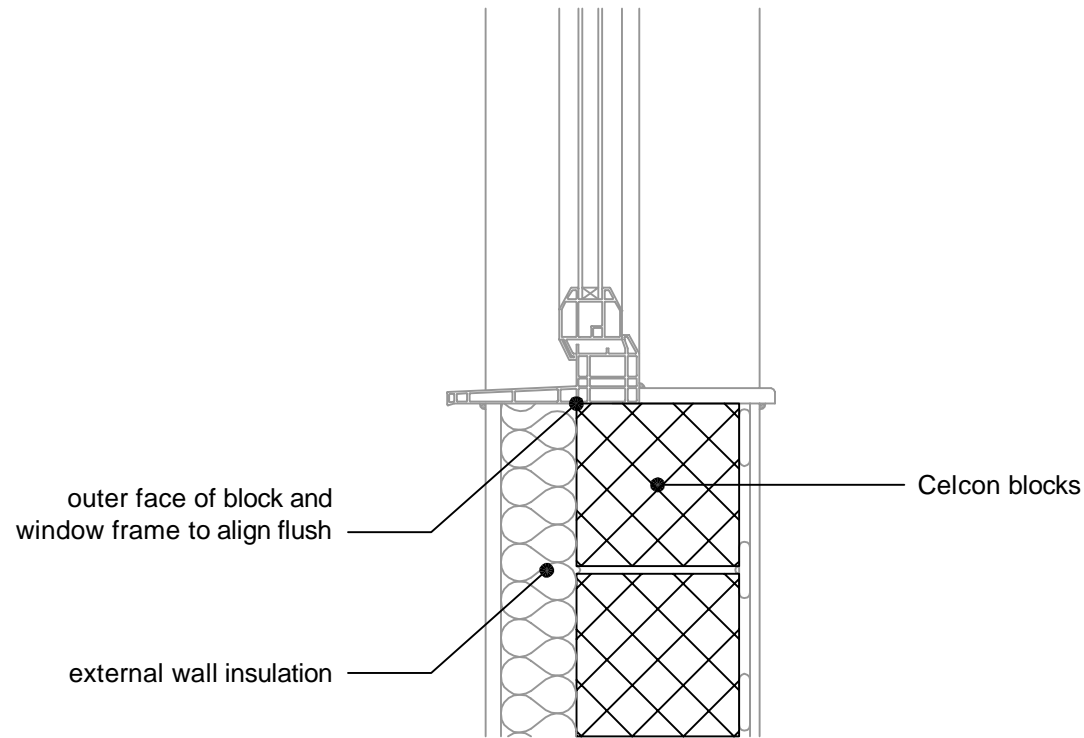
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 Technical Services Dept.
 Celcon House
 Ightham, Sevenoaks
 Kent, TN15 9HZ.
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 E-mail tsd@hhcelcon.co.uk

TITLE
 Solid External Masonry Wall,
 Externally Insulated - Solid Wall Lintel

DWG No. HH-SW-04

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For Ψ values applicable to this detail,
 see Constructive Details CD0042
 or
 LABC Registered Construction
 Details E3SMEW1 - 6.

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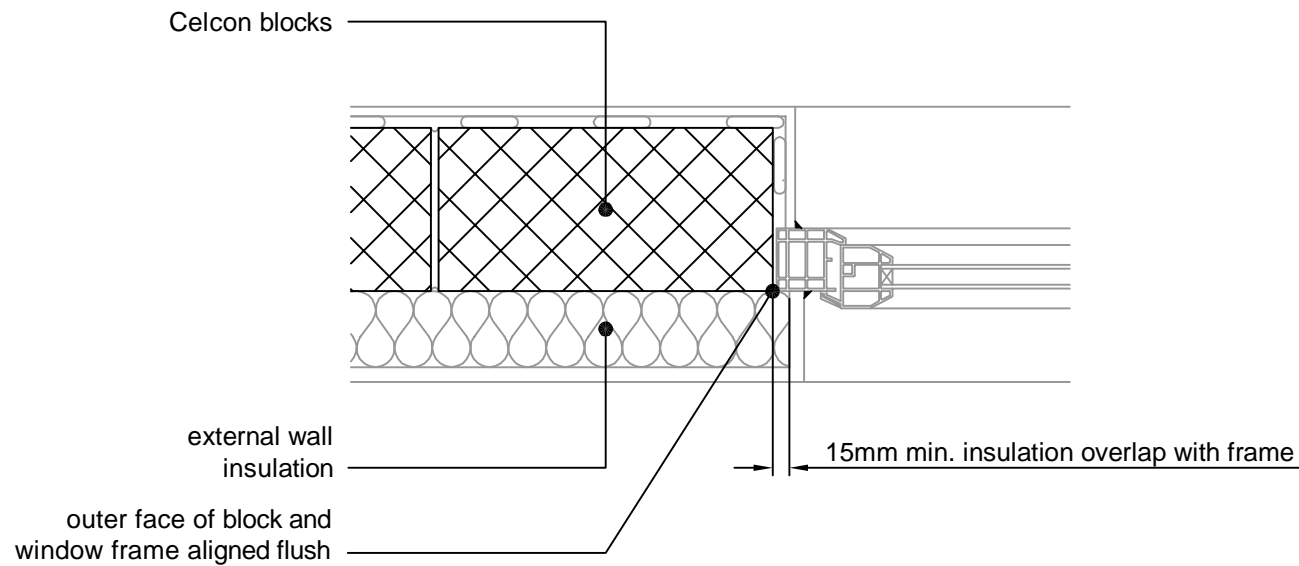
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 Kent, TN15 9HZ.
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TITLE
 Solid External Masonry Wall,
 Externally Insulated - Sill

DWG No. HH-SW-05

DRAWN BY SJB CHECKED BY AHR

DATE Nov 2013 SCALE 1:100 @ A4 REV.NO. A



For Ψ values applicable to this detail,
 see Constructive Details CD0043
 or
 LABC Registered Construction
 Details E4SMEW1 - 6.

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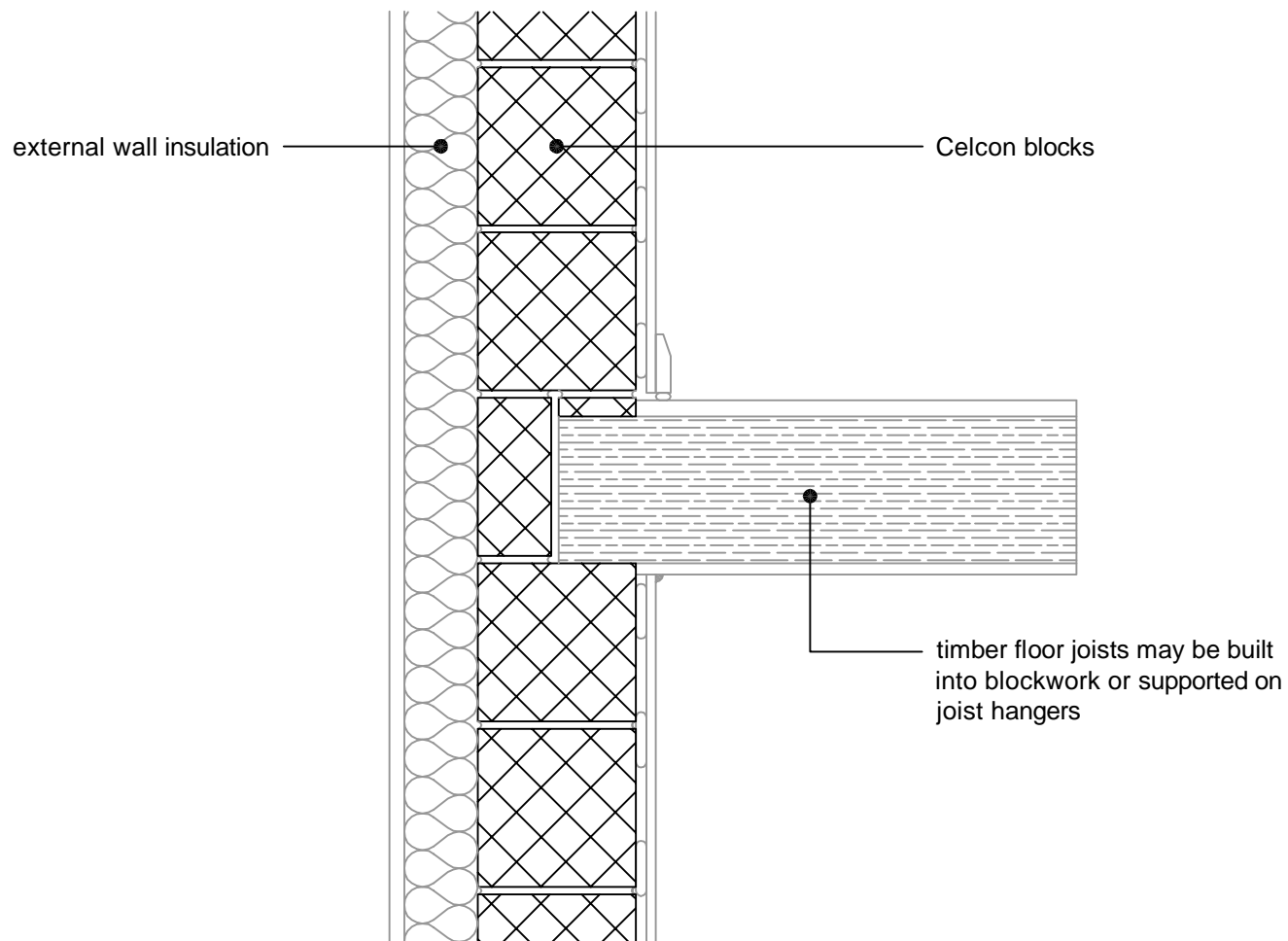
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 Ightham, Sevenoaks
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TITLE
 Solid External Masonry Wall,
 Externally Insulated - Jamb

DWG No. HH-SW-06

DRAWN BY SJB CHECKED BY AHR

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For Ψ values applicable to this detail,
 see Constructive Details CD0044
 or
 LABC Registered Construction
 Details E6SMEW1 - 6.

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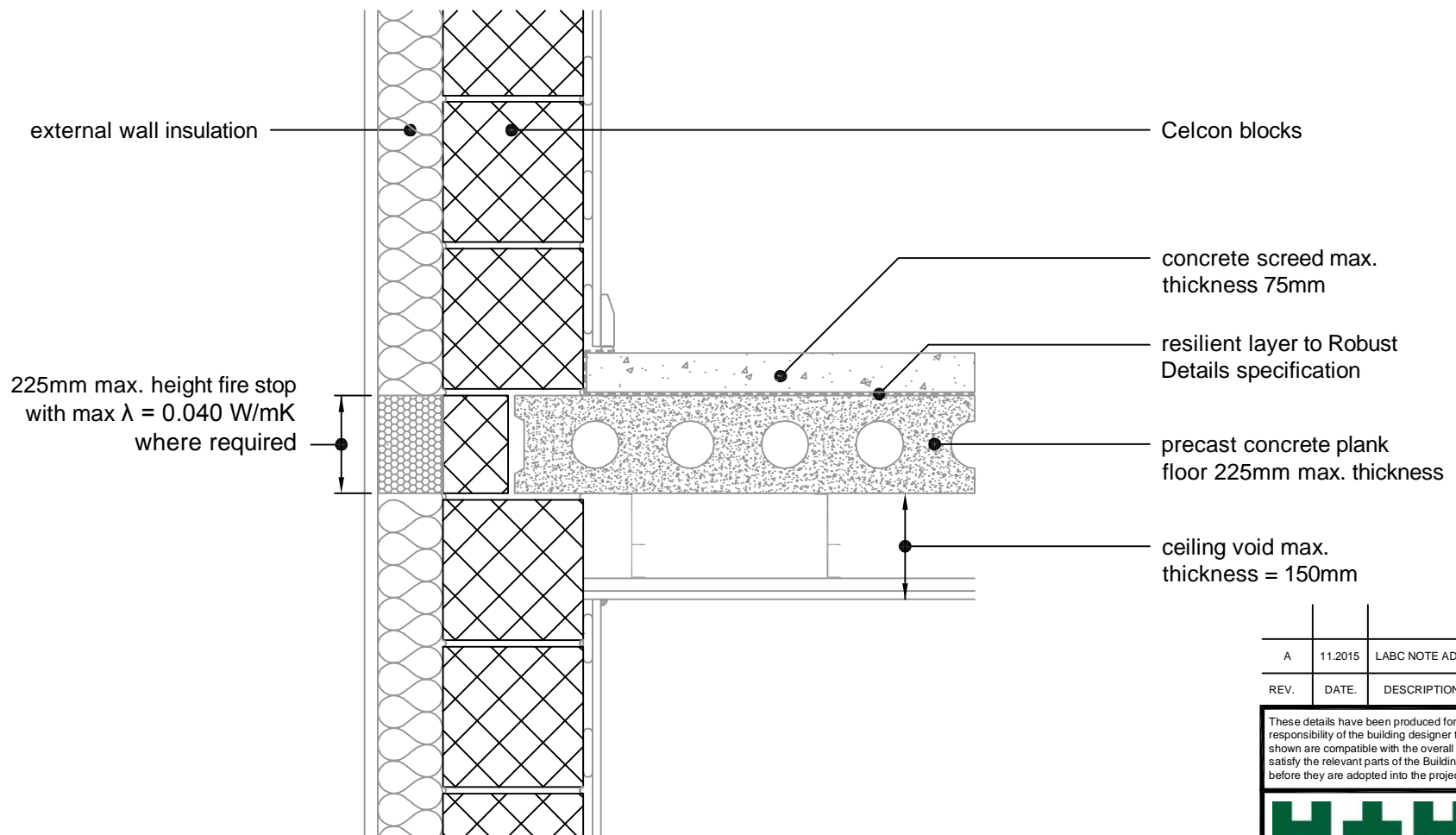
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 Kent, TN15 9HZ.
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TITLE Solid External Masonry Wall,
 Externally Insulated - Intermediate Timber
 Floor Within A Dwelling

DWG No. HH-SW-07

DRAWN BY SJB CHECKED BY AHR

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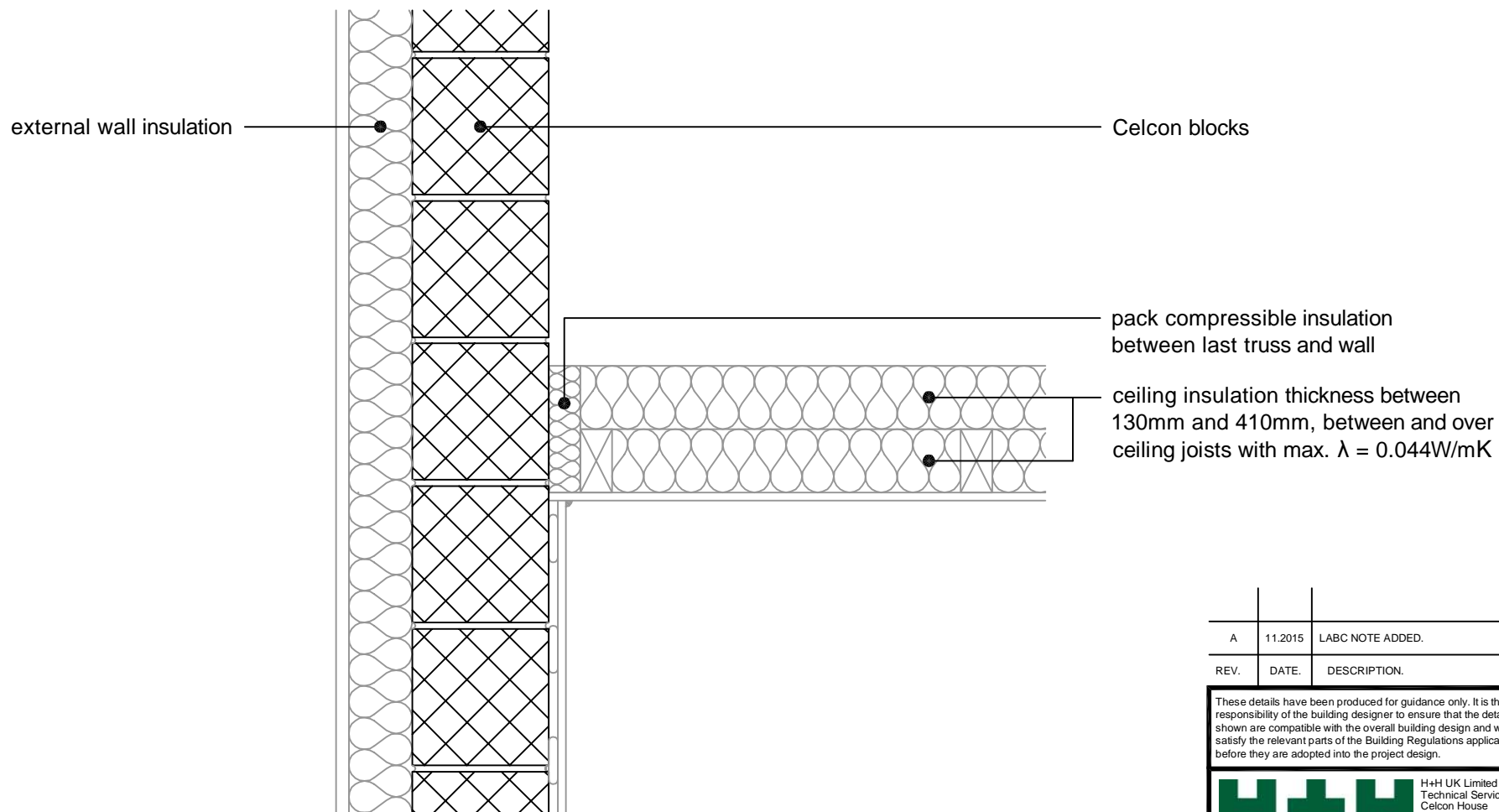
TITLE Solid External Masonry Wall,
 Externally Insulated - Precast Concrete
 Separating Floor Between Dwellings

DWG No. HH-SW-08

DRAWN BY SJB CHECKED BY AHR

DATE Nov 2013 SCALE 1:100 @ A4 REV.NO. A

For Ψ values applicable to this detail,
 see Constructive Details CD0045
 or
 LABC Registered Construction
 Details E7SMEW1 - 6.



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 Celcon House
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 Kent, TN15 9HZ.
 Tel +44 (0)1732 880580
 Fax +44 (0)1732 887013
 E-mail tsd@hhcelcon.co.uk

TITLE Solid External Masonry Wall,
 Externally Insulated - Pitched Roof, Gable,
 Insulation At Ceiling Level, Ventilated Loft

DWG No. HH-SW-09

DRAWN BY SJB CHECKED BY AHR

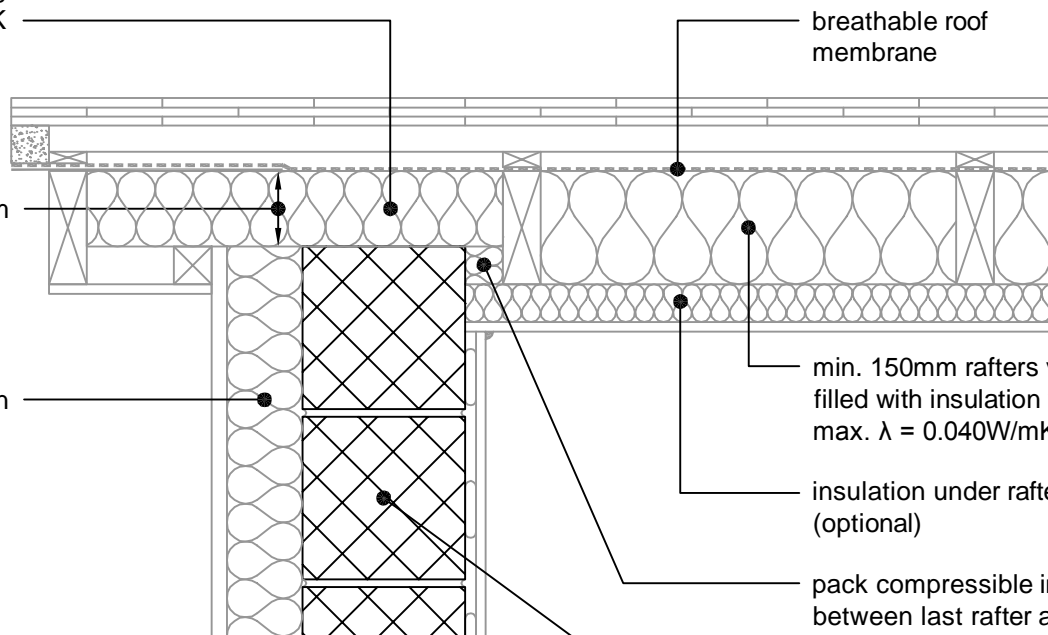
DATE Nov 2013 SCALE 1:100 @ A4 REV.NO. A

For Ψ values applicable to this detail,
 see Constructive Details CD0046
 or
 LABC Registered Construction
 Details E12SMEW1 - 6.

fill this void with insulation having
a max. λ of 0.040W/mK

100mm minimum

external wall insulation



breathable roof
membrane

min. 150mm rafters void fully
filled with insulation with
max. $\lambda = 0.040\text{W/mK}$

insulation under rafters
(optional)

pack compressible insulation
between last rafter and wall

Celcon blocks

For Ψ values applicable to this detail,
see Constructive Details CD0047
or
LABC Registered Construction
Details E13SMEW1 - 6.

REV.	DATE.	DESCRIPTION.	BY.
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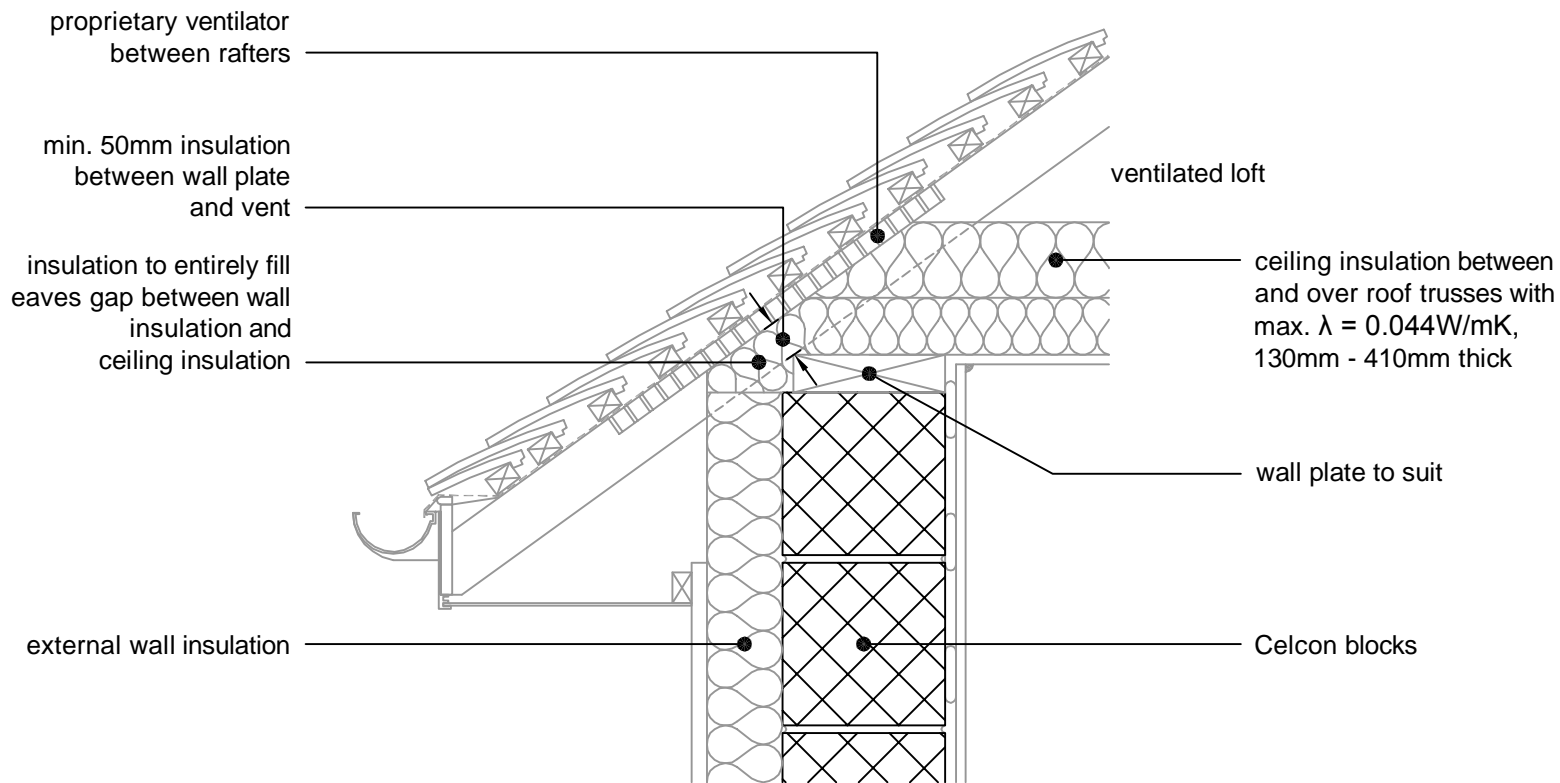
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Technical Services Dept.
Celcon House
Ightham, Sevenoaks
Kent, TN15 9HZ.
Tel +44 (0)1732 880580
Fax +44 (0)1732 887013
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TITLE
Solid External Masonry Wall,
Externally Insulated - Pitched Roof, Gable, Insulation
At Rafter Level, Unventilated Rafter Void

DWG No. **HH-SW-10**

DRAWN BY **SJB** CHECKED BY **AHR**

DATE **Nov 2013** SCALE **1:100 @ A4** REV.NO. **A**



For Ψ values applicable to this detail,
 see Constructive Details CD0048
 or
 LABC Registered Construction
 Details E10SMEW1 - 6.

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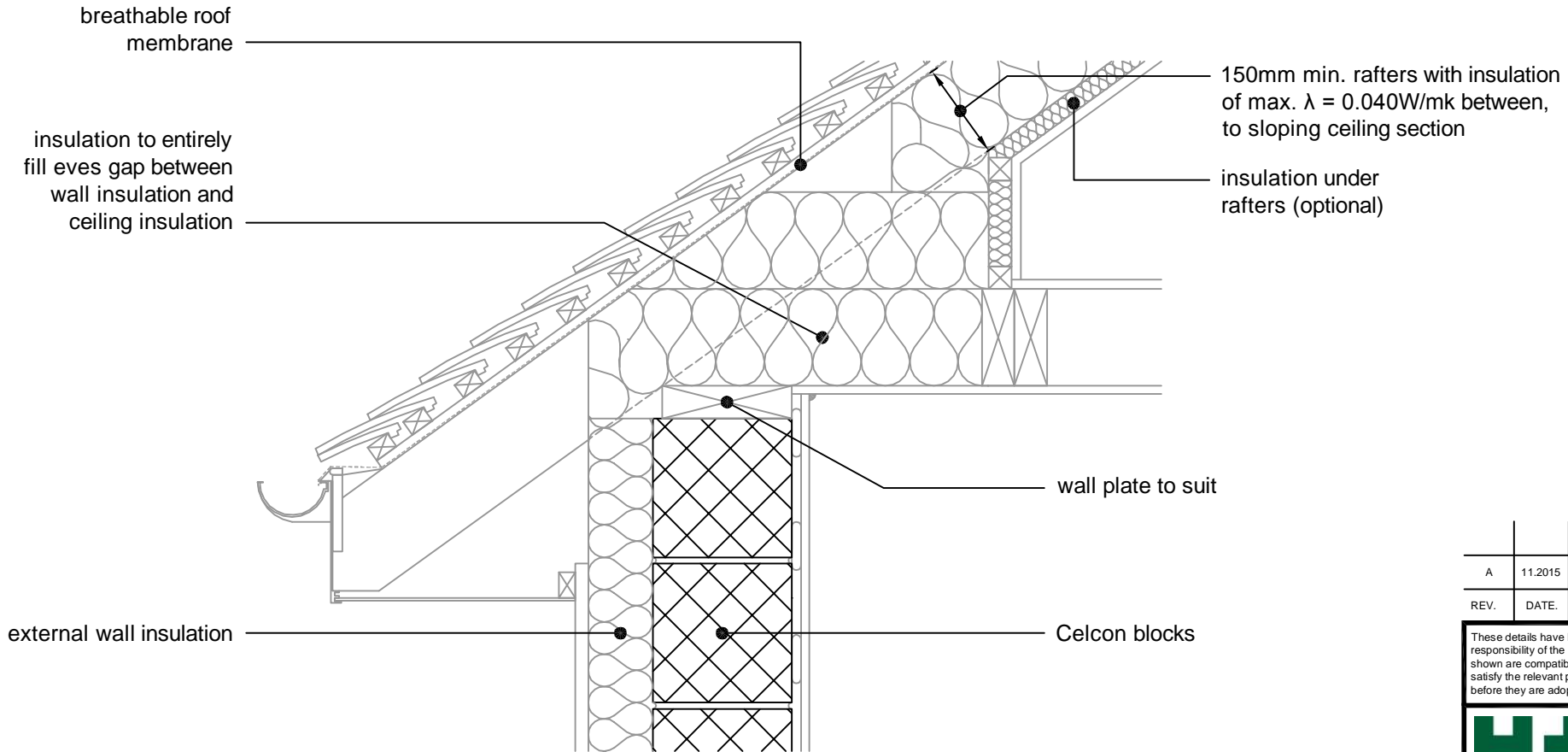
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 Technical Services Dept.
 Celcon House
 Ightham, Sevenoaks
 Kent, TN15 9HZ.
 Tel +44 (0)1732 880580
 Fax +44 (0)1732 887013
 E-mail tsd@hhcelcon.co.uk

TITLE
 Solid External Masonry Wall,
 Externally Insulated - Pitched Roof, Eaves,
 Insulation At Ceiling Level, Ventilated Loft

DWG No. **HH-SW-11**

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DATE **Nov 2013** SCALE **1:100 @ A4** REV.NO. **A**



For Ψ values applicable to this detail,
 see Constructive Details CD0049
 or
 LABC Registered Construction
 Details E11SMEW1 - 6.

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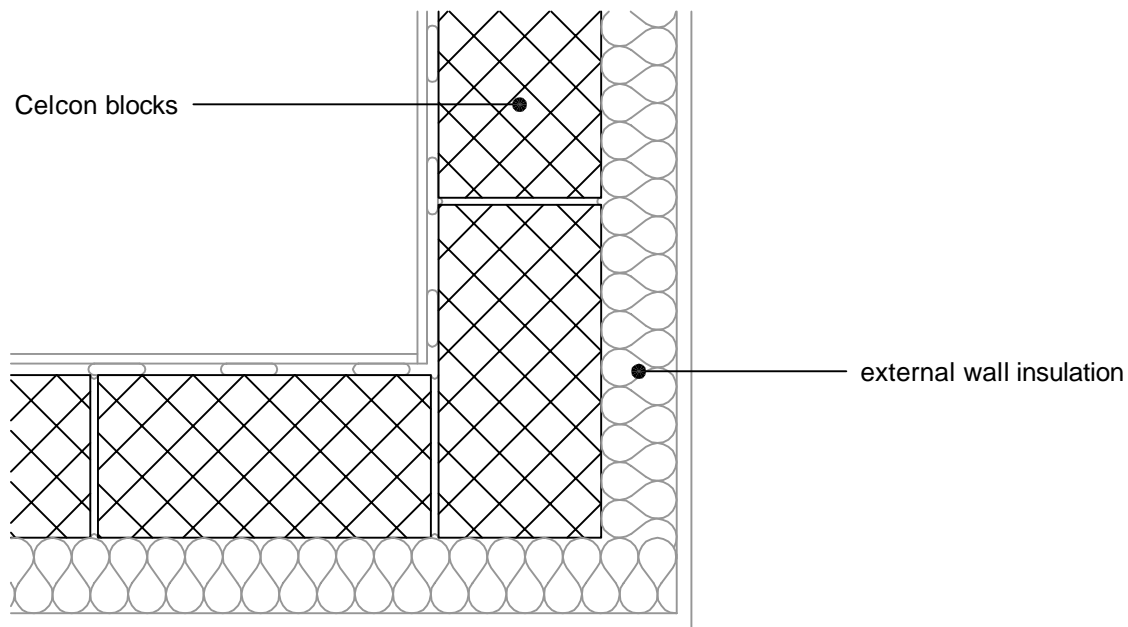
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 Technical Services Dept.
 Celcon House
 Ightham, Sevenoaks
 Kent, TN15 9HZ.
 Tel +44 (0)1732 880580
 Fax +44 (0)1732 887013
 E-mail tsd@hhcelcon.co.uk

TITLE
 Solid External Masonry Wall,
 Externally Insulated - Pitched Roof, Eaves, Insulation
 At Rafter Level, Unventilated Rafter Void

DWG No. **HH-SW-12**

DRAWN BY **SJB** CHECKED BY **AHR**

DATE **Nov 2013** SCALE **1:100 @ A4** REV.NO. **A**



For Ψ values applicable to this detail,
 see Constructive Details CD0050
 or
 LABC Registered Construction
 Details E16SMEW1 - 6.

REV.	DATE.	DESCRIPTION.	BY.
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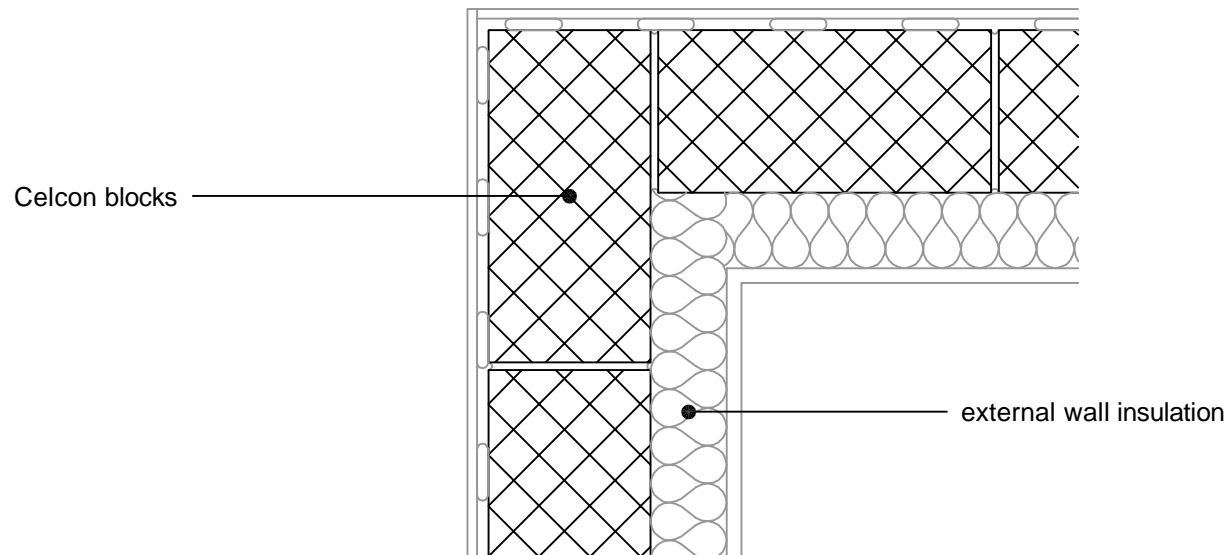
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 Technical Services Dept.
 Celcon House
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 Kent, TN15 9HZ.
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TITLE
 Solid External Masonry Wall,
 Externally Insulated - Normal Corner

DWG No. HH-SW-13

DRAWN BY SJB CHECKED BY AHR

DATE Nov 2013 SCALE 1:100 @ A4 REV.NO. A



For Ψ values applicable to this detail,
 see Constructive Details CD0051
 or
 LABC Registered Construction
 Details E17SMEW1 - 6.

REV.	DATE.	DESCRIPTION.	BY.
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TITLE
 Solid External Masonry Wall,
 Externally Insulated - Inverted Corner

DWG No. HH-SW-14

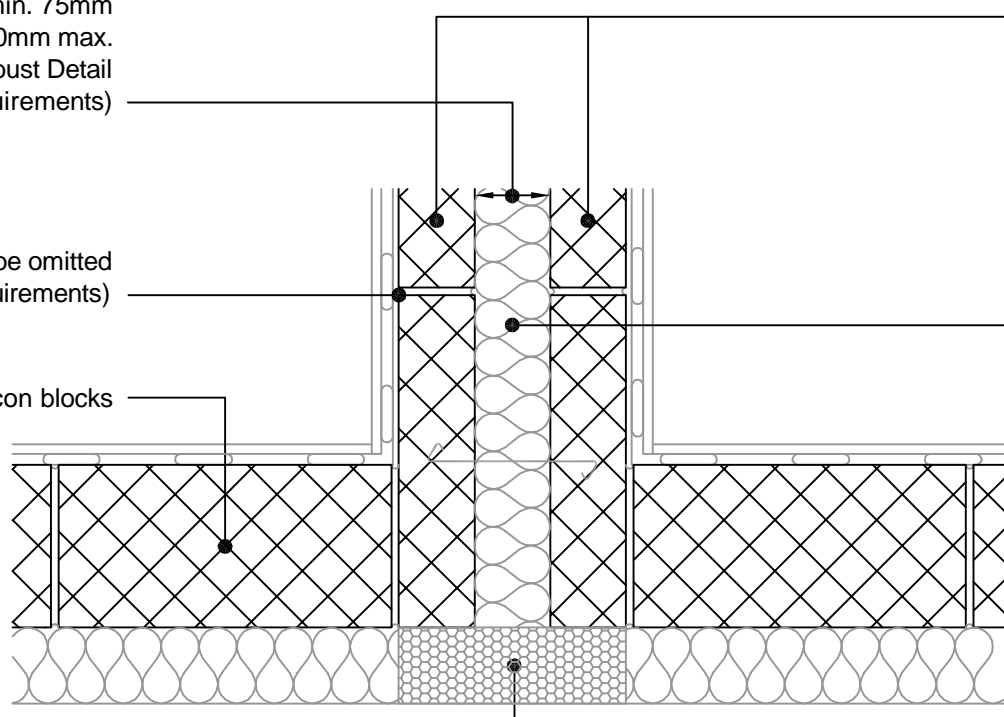
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DATE Nov 2013 SCALE 1:100 @ A4 REV.NO. A

cavity width min. 75mm
up to 100mm max.
(subject to Robust Detail requirements)

8mm parge coat may be omitted
(subject to Robust Detail requirements)

Celcon blocks



2 x 100mm min. leaves to
separating walls:
Celcon Standard (3.6N/mm²)
Celcon High Strength (7.3N/mm³)
Celcon Super Strength (8.7N/mm²)

party wall insulation with
max. $\lambda = 0.044\text{W/mK}$

proprietary insulated fire stop
with a max. $\lambda = 0.044\text{W/mK}$
where required

For Ψ values applicable to this detail,
see Constructive Details CD0052
or
LABC Registered Construction
Details E18SMEW1 - 12.

REV.	DATE.	DESCRIPTION.	BY.
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E-mail tsd@hhcelcon.co.uk

TITLE Solid External Masonry Wall,
Externally Insulated - Party Wall Between
Dwellings

DWG No. HH-SW-15

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DATE Nov 2013 SCALE 1:100 @ A4 REV.NO. A