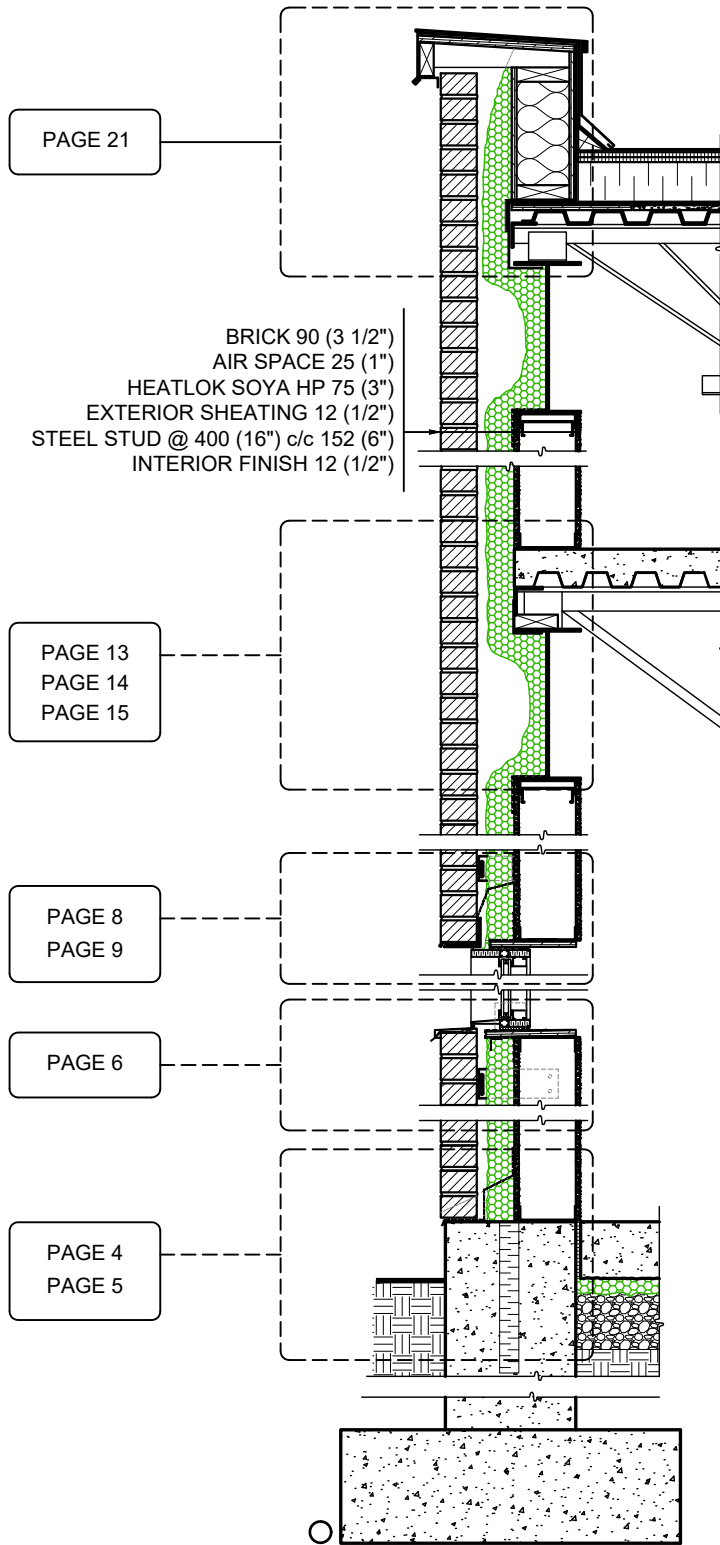


TABLE OF CONTENT

BRICK - UNINSULATED STEEL STUD	
A - CURTAIN WALL	PAGE 22 @ 29
B - FIRE STOP	PAGE 30 @ 32
C -CROSS SECTION	PAGE 2
BRICK - CONCRETE BLOCK	
A - FIRE STOP	PAGE 33
B -CROSS SECTION	PAGE 3
CLADDING	
A - CURTAIN WALL	PAGE 54 @ 59
B - FIRE STOP	PAGE 45 @ 52
MORE THAN 3 STORIES BUILDINGS WITHOUT BRICK (3.2.3.8.)	PAGE 48
FOUNDATIONS	PAGE 4,5,34,35,44,61
OPTIONS	PAGE 60 @ 81

NOTE:

ALL CONSTRUCTION DETAILS CONFORM TO CAN/ULC S742 "STANDARD FOR AIR BARRIER ASSEMBLIES – SPECIFICATION" AND MUST BE BUILT AS DRAWN ON SITE.



RELATED DETAILS

- CURTAIN WALLS : PAGE 75 @ 80
- FIRE STOP : PAGE 30 @ 32
- SIDING : PAGE 44 @ 59
- FIRE STOP SIDING : PAGE 45 @ 52

SYSTEM SECTION

PAGE 42

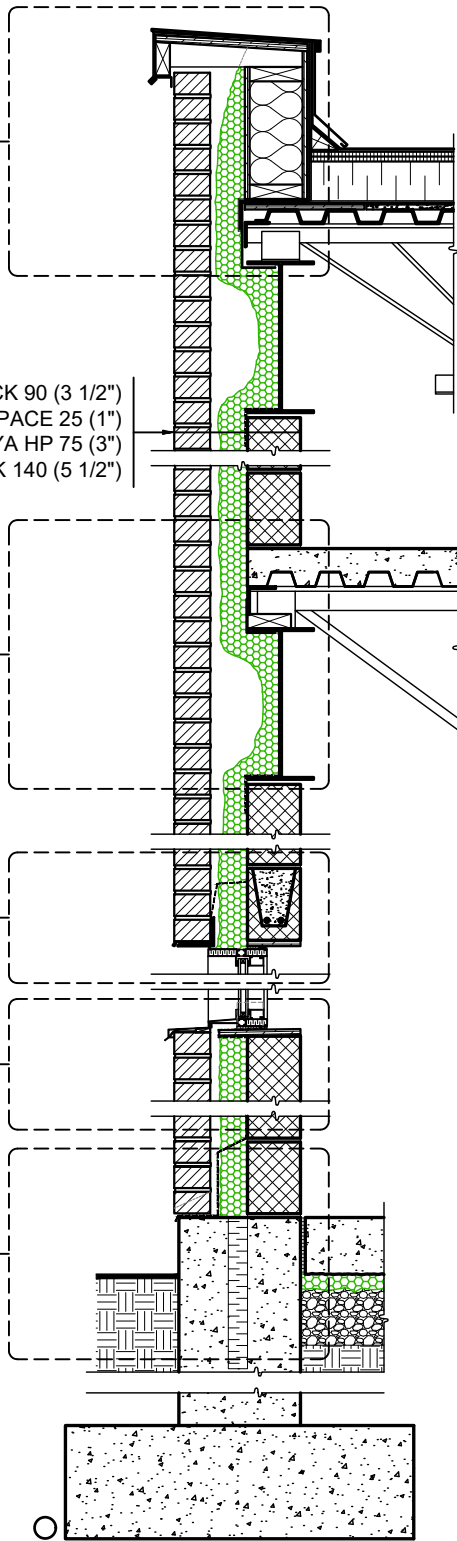
BRICK 90 (3 1/2")
AIR SPACE 25 (1")
HEATLOK SOYA HP 75 (3")
CONCRETE BLOCK 140 (5 1/2")

PAGE 39

PAGE 38

PAGE 36

PAGE 34
PAGE 35



RELATED DETAILS

FIRE STOP : PAGE 33
SIDING : PAGE 53

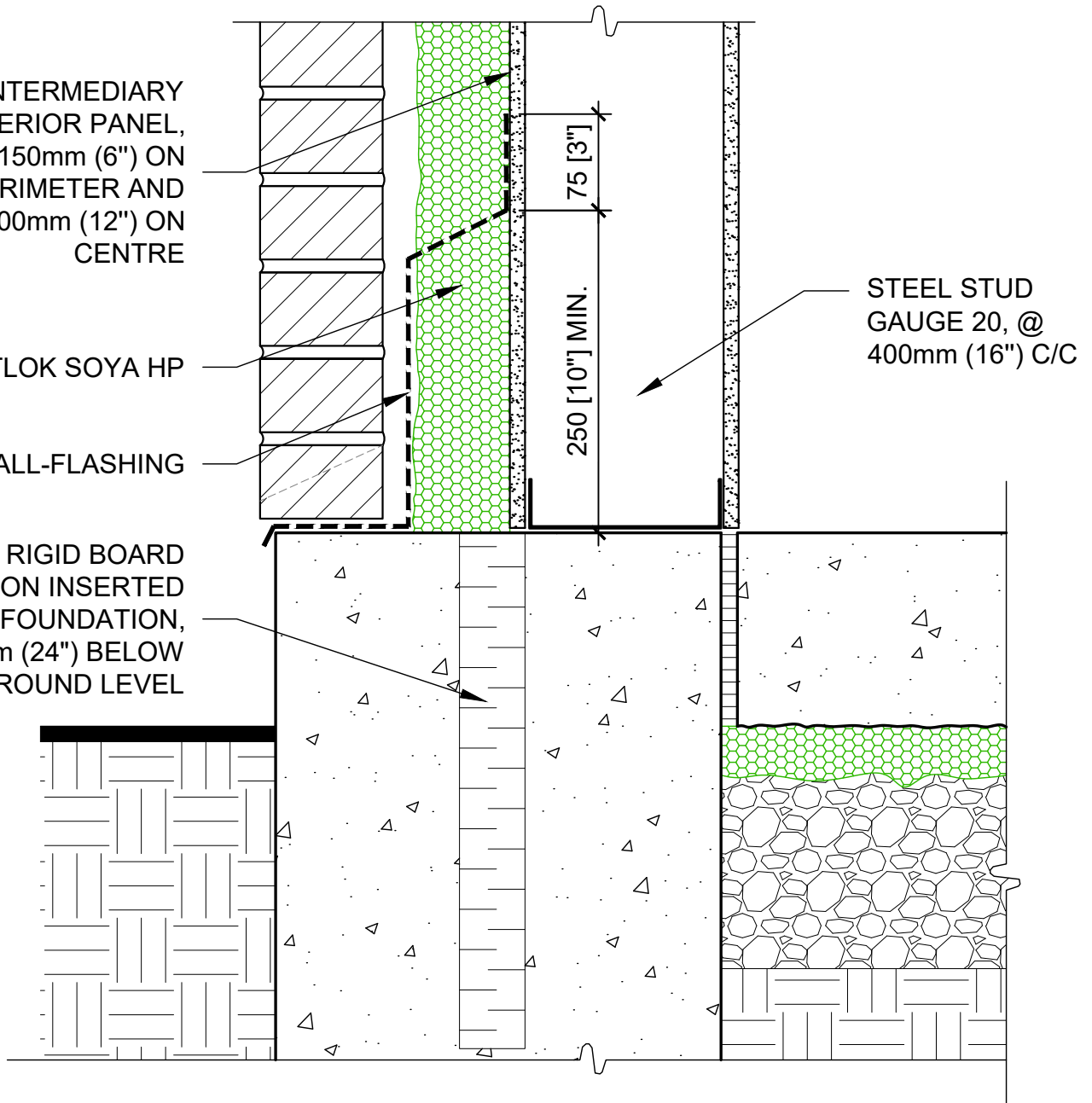
SYSTEM SECTION

INTERMEDIARY
EXTERIOR PANEL,
SCREW: 150mm (6") ON
PERIMETER AND
300mm (12") ON
CENTRE

HEATLOK SOYA HP

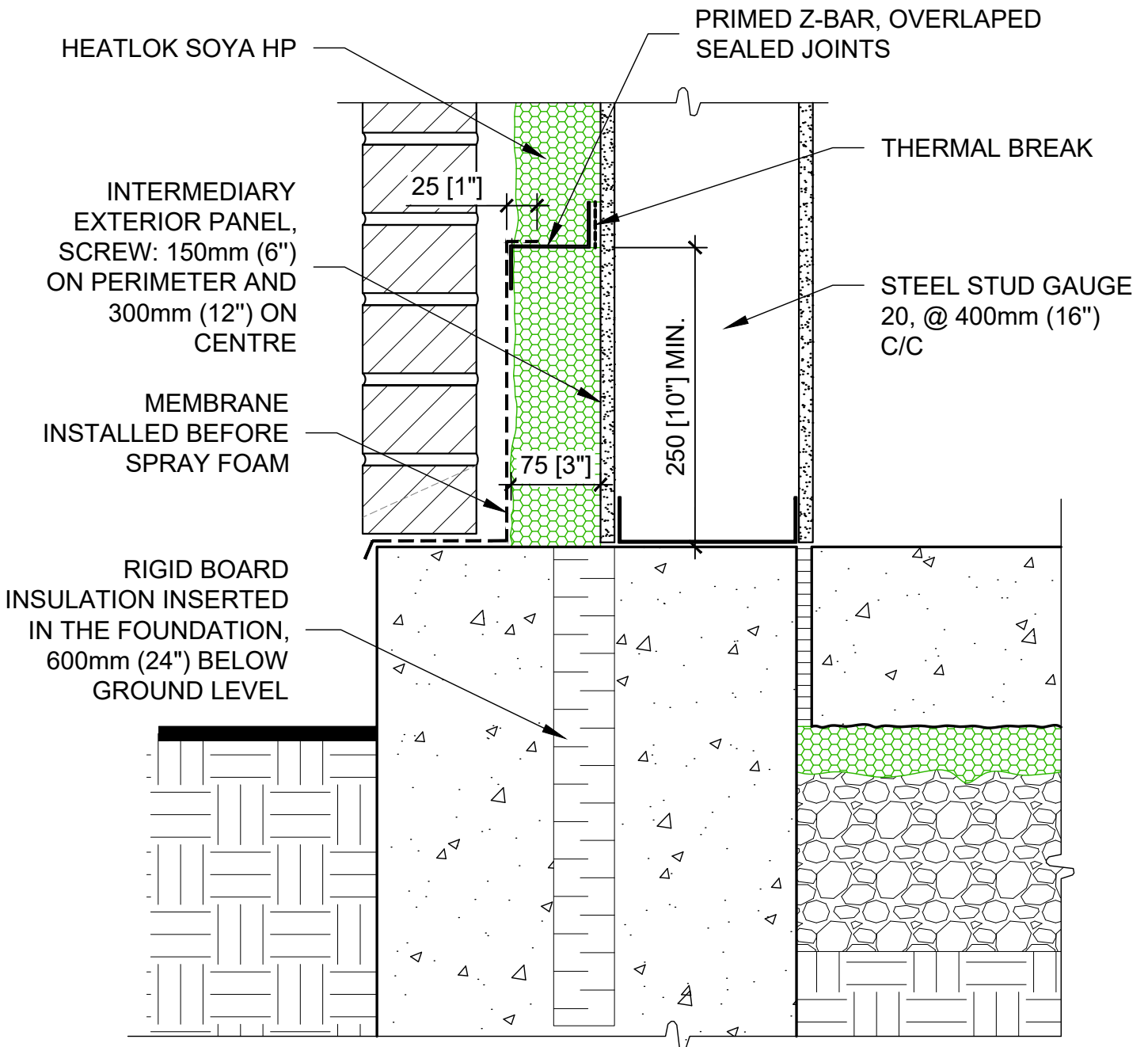
THRU-WALL-FLASHING

RIGID BOARD
INSULATION INSERTED
IN THE FOUNDATION,
600mm (24") BELOW
GROUND LEVEL



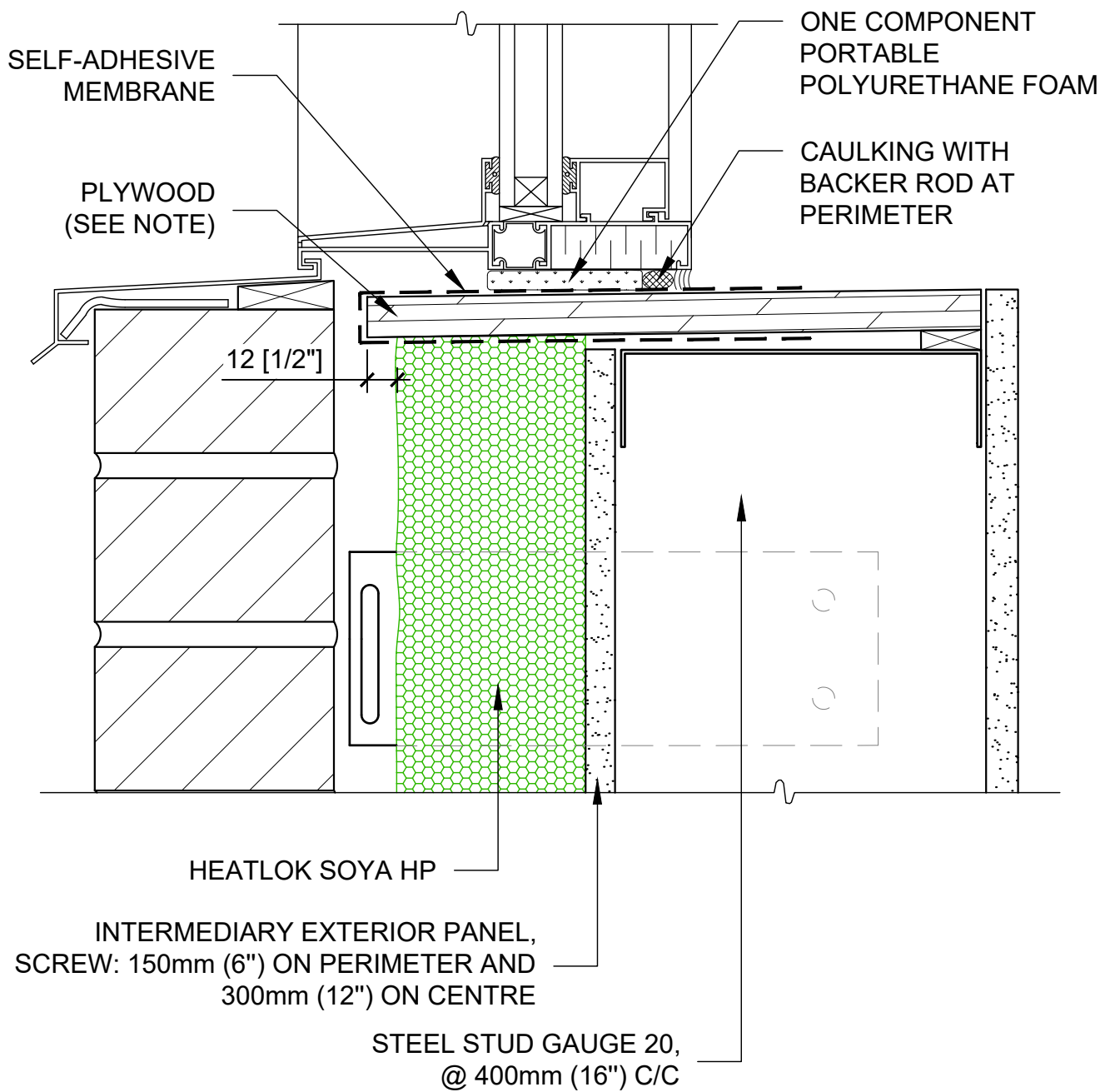
OPTION : PAGE 62

THROUGH WALL MEMBRANE AT FOUNDATION
WALL JUNCTION



OPTION : PAGE 62

FLEXIBLE FLASHING ON "Z" BAR

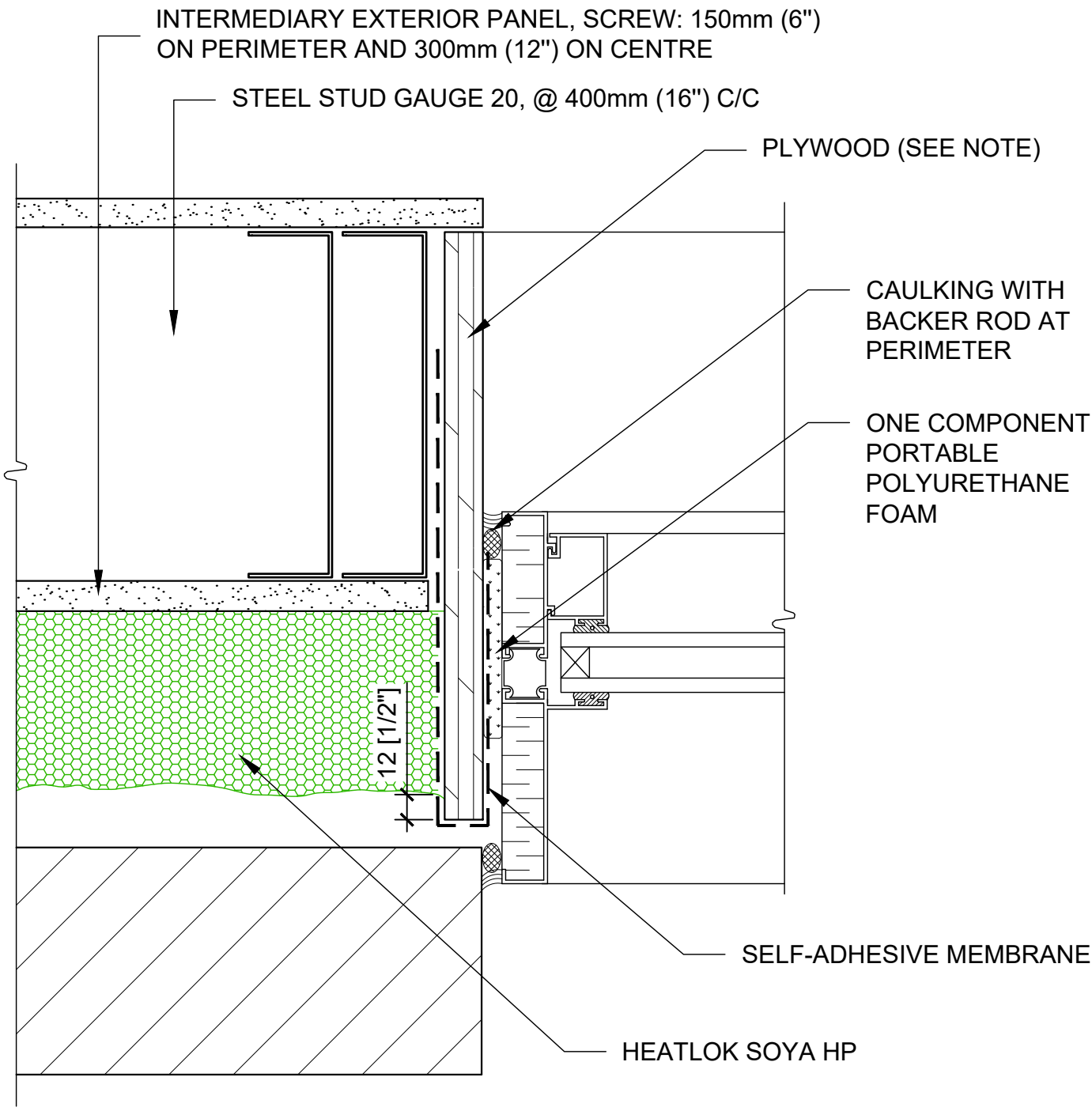


NOTE :

- Seal the plywood joints with membrane or with sealant
- Premembraned plywood before plywood installation

OPTIONS : PAGE 63
 PAGE 64
 PAGE 65
 PAGE 66

WINDOW SILL



INTERMEDIARY EXTERIOR PANEL, SCREW: 150mm (6")
ON PERIMETER AND 300mm (12") ON CENTRE

STEEL STUD GAUGE 20, @ 400mm (16") C/C

PLYWOOD (SEE NOTE)

CAULKING WITH
BACKER ROD AT
PERIMETER

ONE COMPONENT
PORTABLE
POLYURETHANE
FOAM

12 [1 1/2"]

SELF-ADHESIVE MEMBRANE

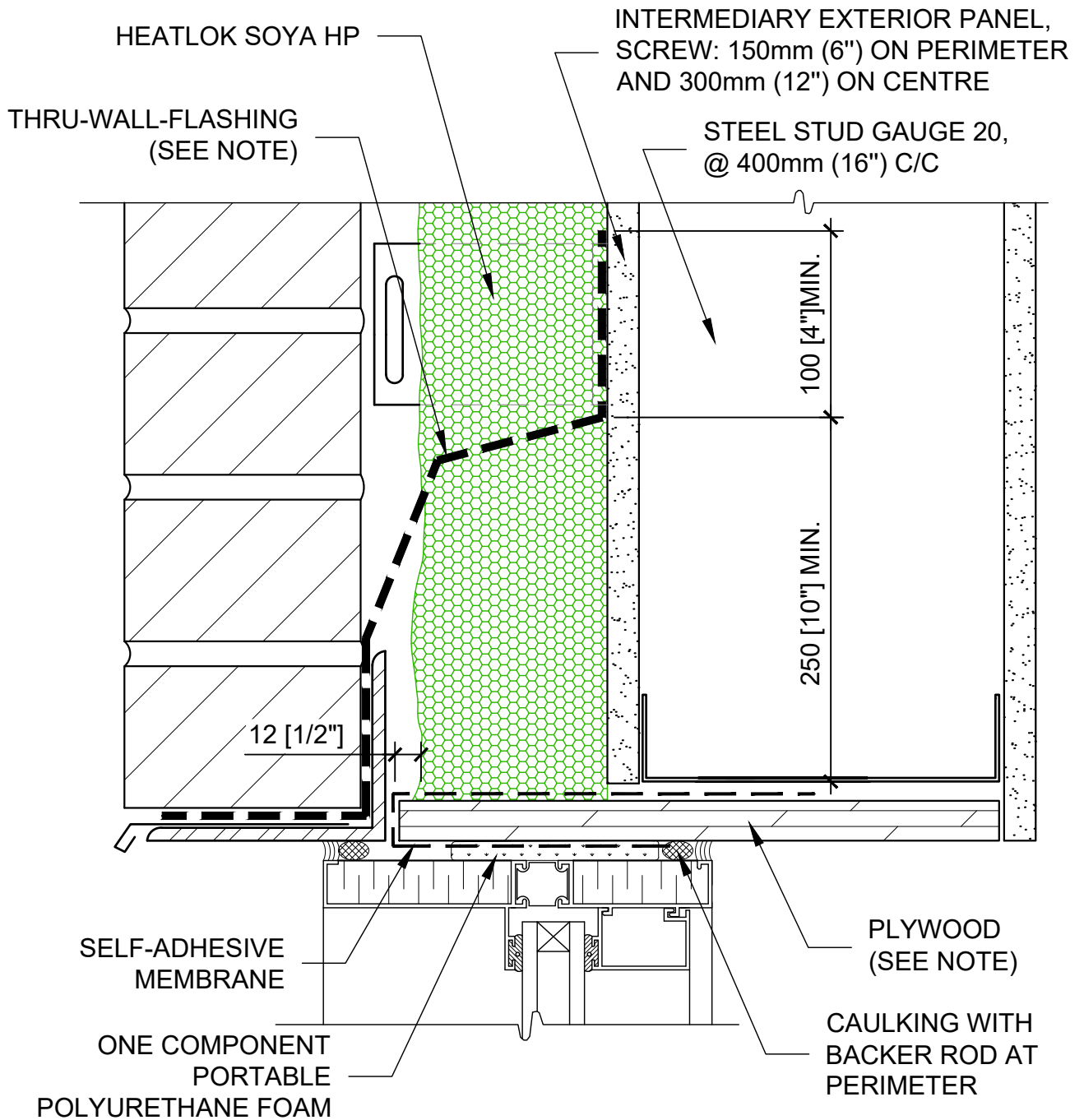
HEATLOK SOYA HP

NOTE :

- Seal the plywood joints with membrane or with sealant
- Premembraned plywood before plywood installation

OPTION : PAGE 67

WINDOW JAMB

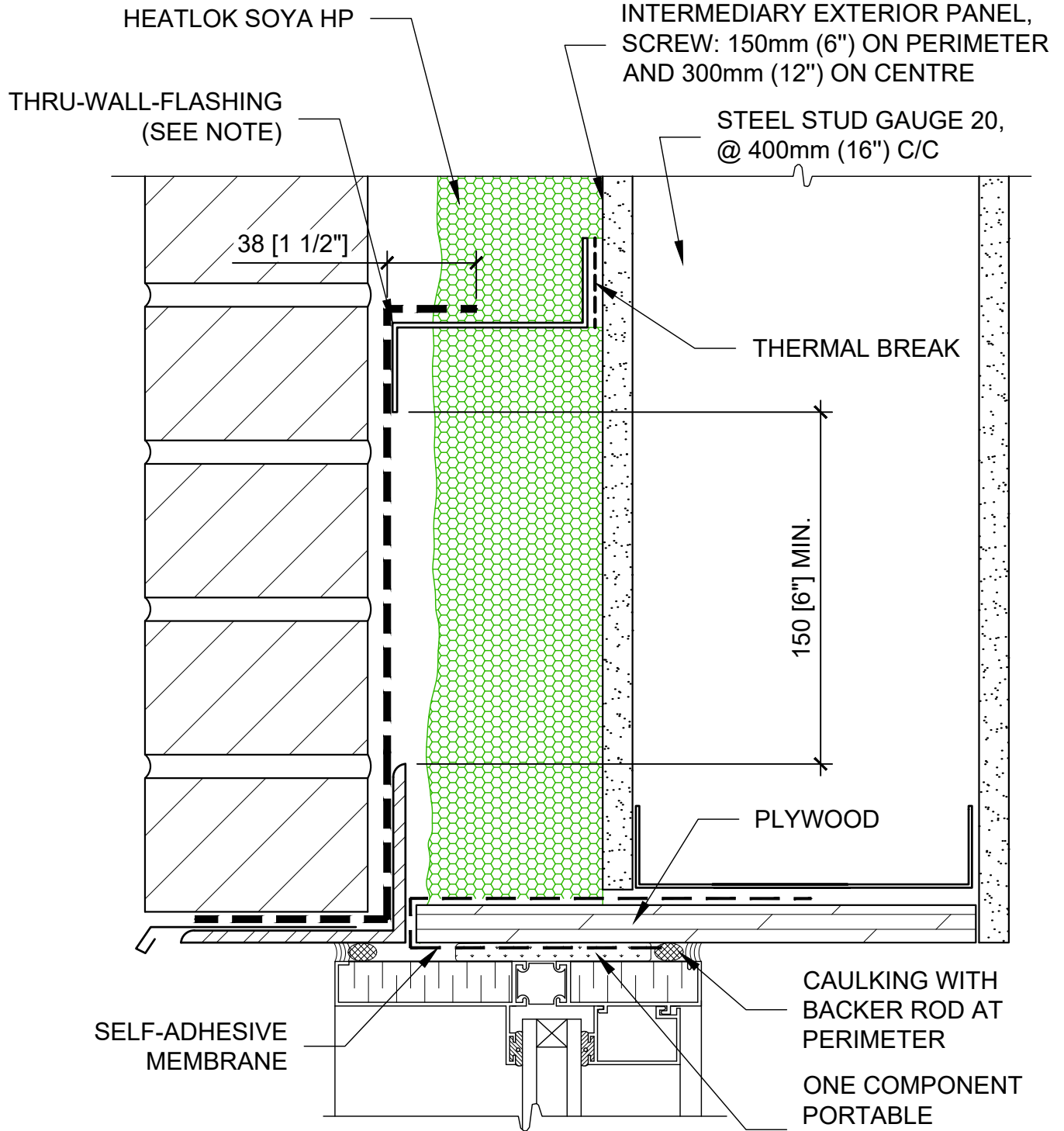


NOTE :

- Thru-wall flashing exceed 200mm (8") both sides of the opening
- Seal the plywood joints with membrane or with sealant

OPTIONS : PAGE 68
PAGE 69

TOP OF WINDOW



NOTE :

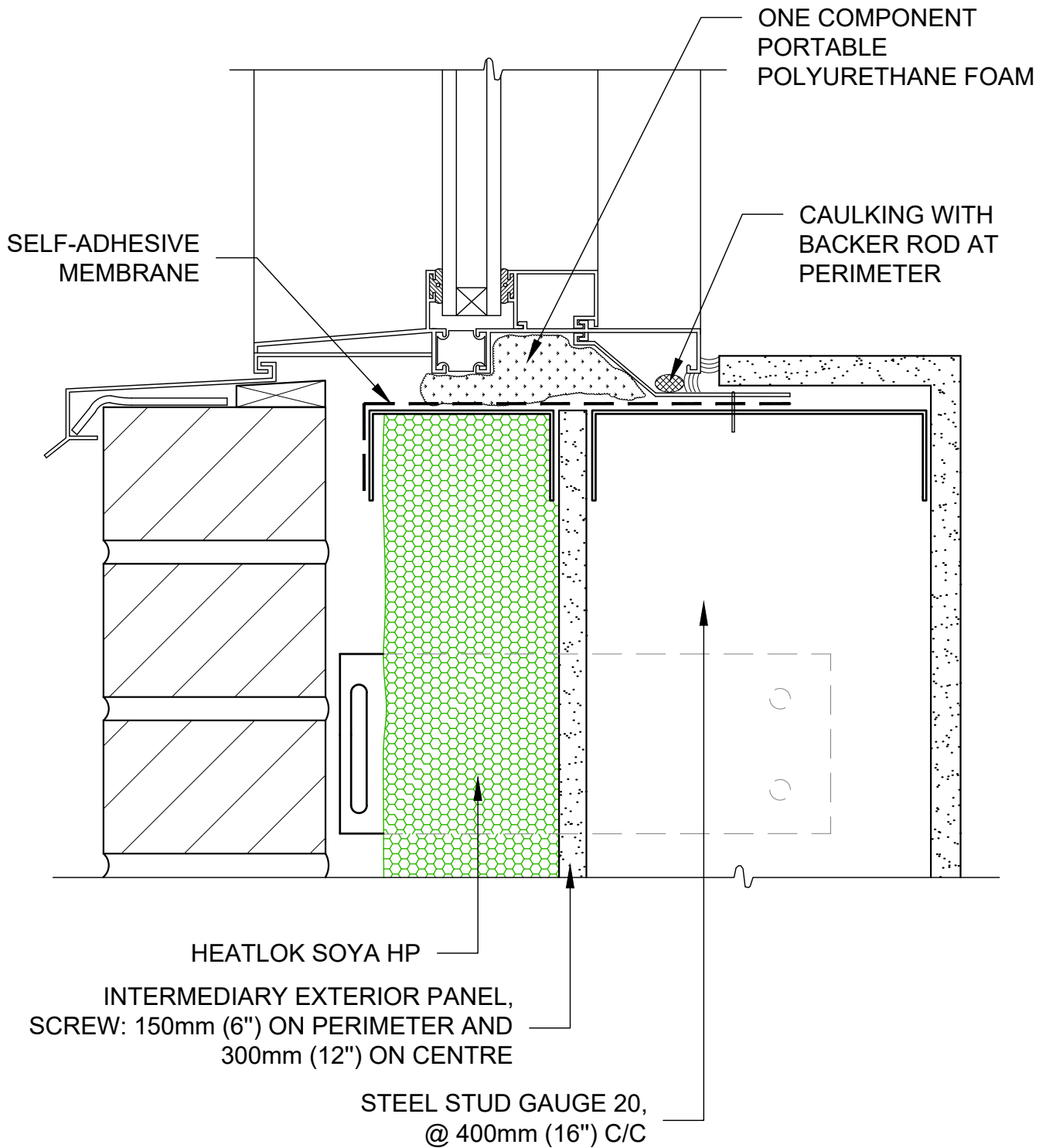
- Thru-wall flashing exceed 200mm (8") both sides of the opening
- Seal the plywood joints with membrane or with sealant

CAULKING WITH
BACKER ROD AT
PERIMETER

ONE COMPONENT
PORTABLE
POLYURETHANE
FOAM

OPTIONS : PAGE 68
PAGE 69

TOP OF WINDOW - SUPPORTED FLASHING

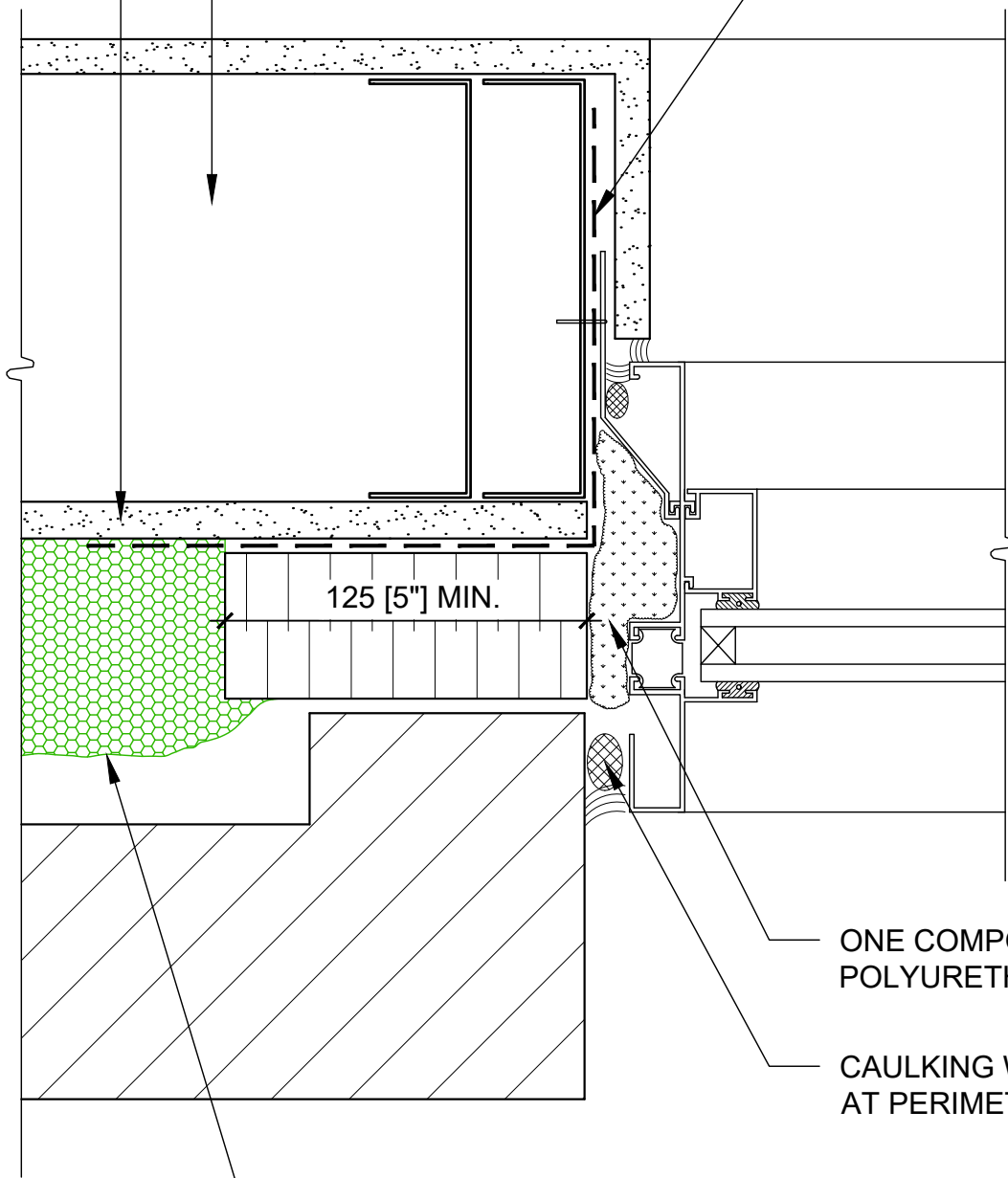


CLIP WINDOW SILL

INTERMEDIARY EXTERIOR PANEL, SCREW: 150mm (6")
ON PERIMETER AND 300mm (12") ON CENTRE

STEEL STUD GAUGE 20, @ 400mm (16") C/C

SELF-ADHESIVE MEMBRANE



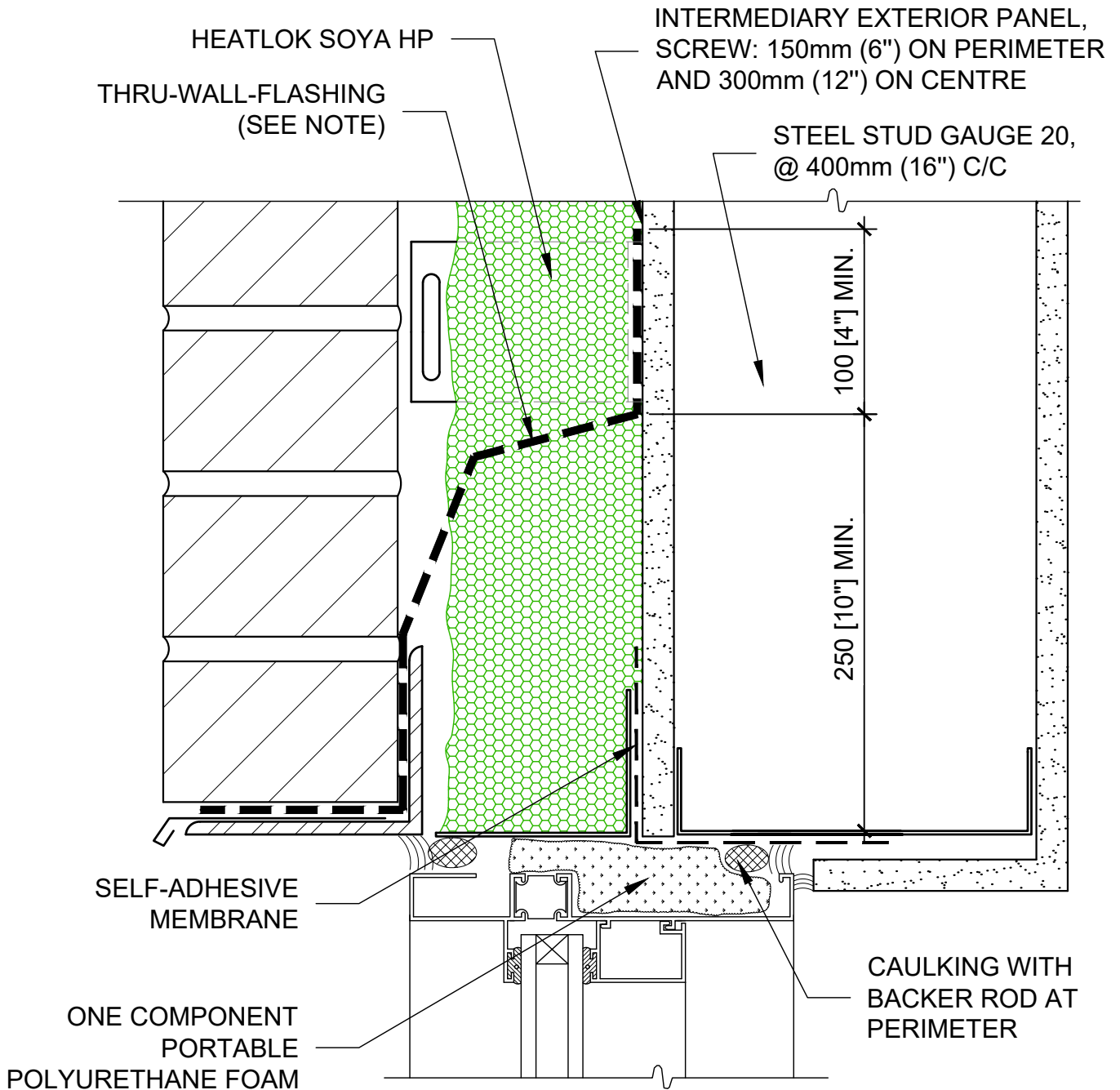
125 [5"] MIN.

ONE COMPONENT PORTABLE
POLYURETHANE FOAM

CAULKING WITH BACKER ROD
AT PERIMETER

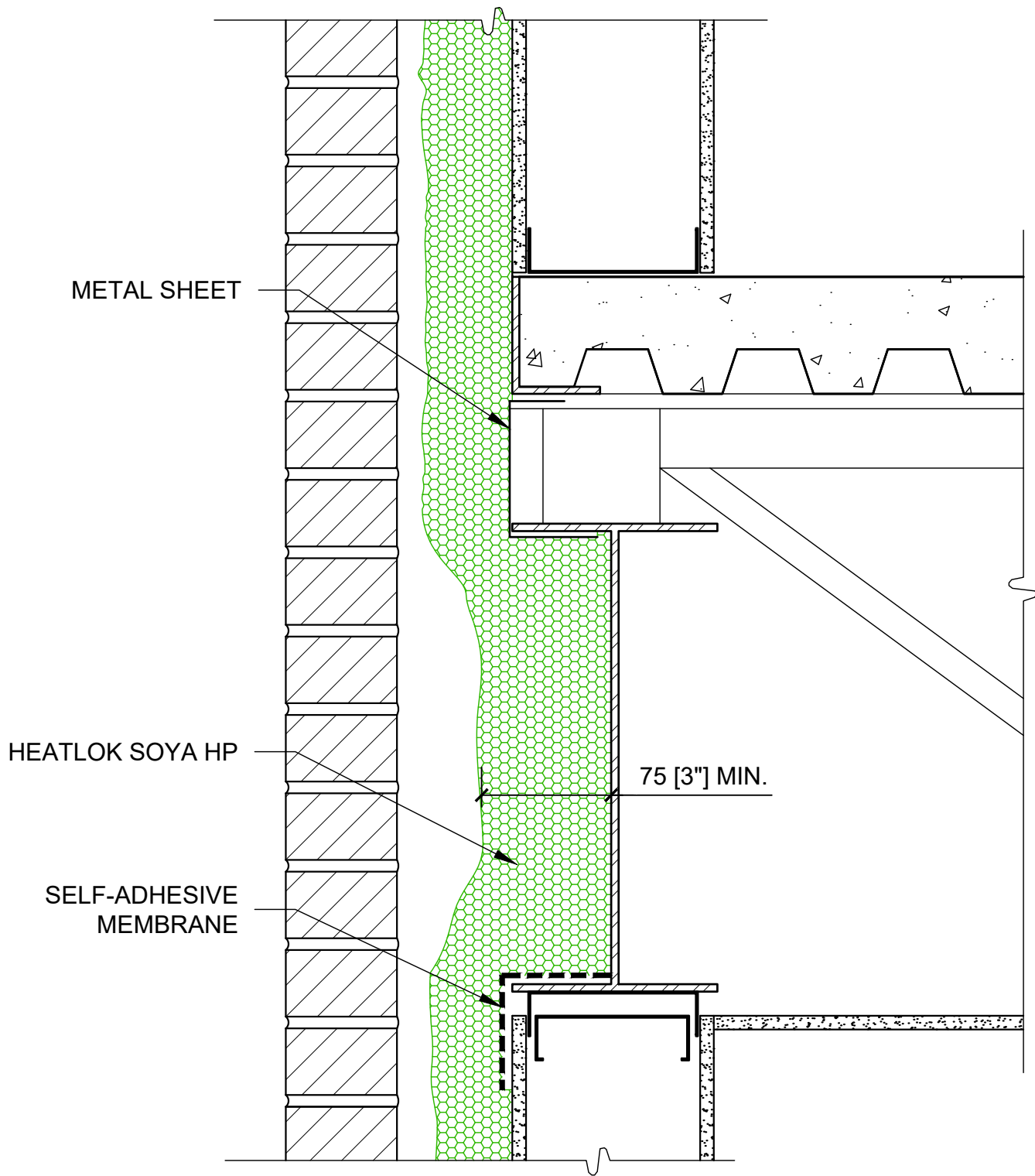
HEATLOK SOYA HP

CLIP WINDOW JAMB

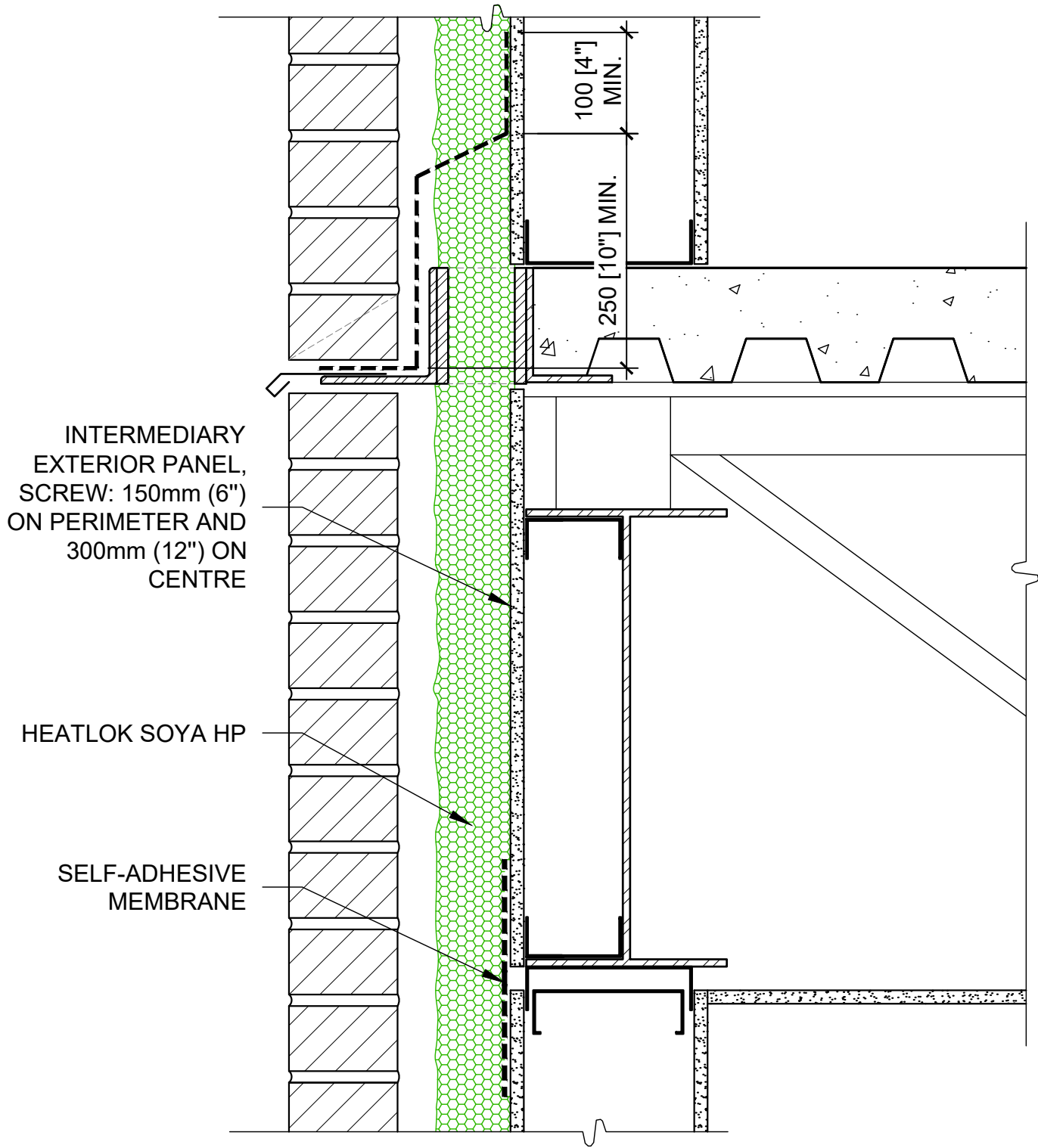


NOTE : Thru-wall flashing exceed 200mm (8") both sides of the opening

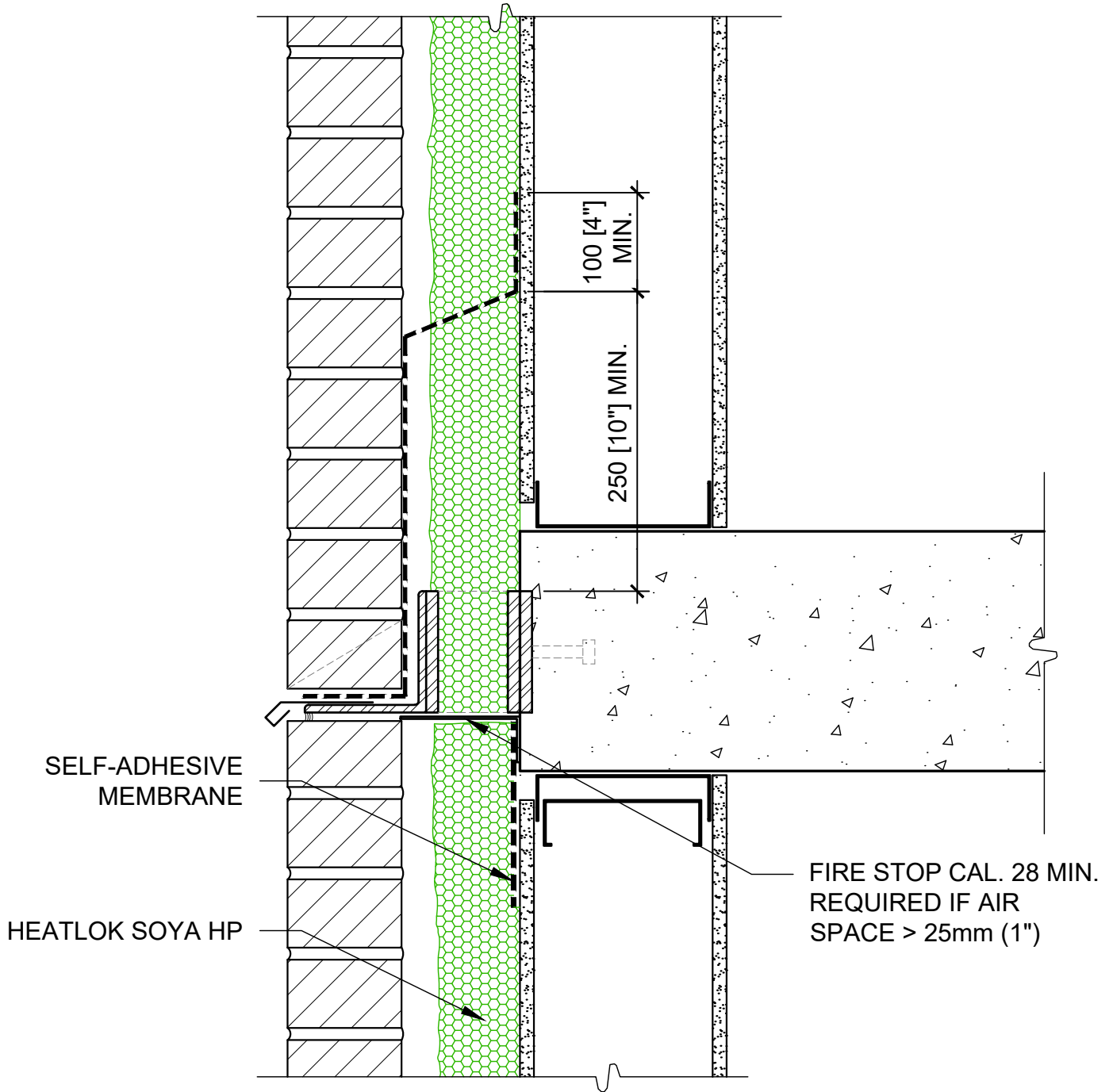
TOP OF CLIP WINDOW



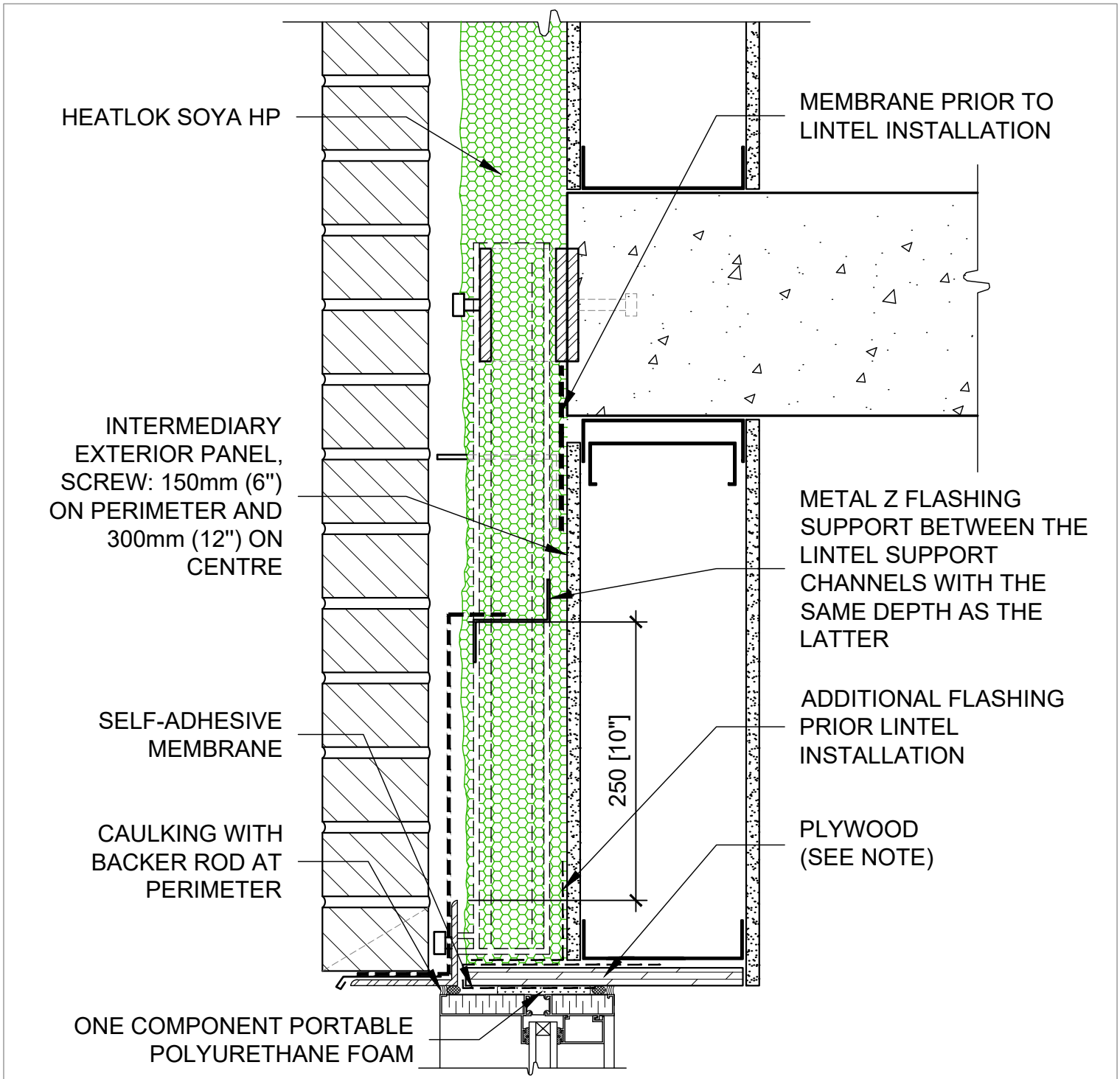
BEAM DEFLECTION



BEAM DEFLECTION



FLOOR JUNCTION



HEATLOK SOYA HP

MEMBRANE PRIOR TO LINTEL INSTALLATION

INTERMEDIARY EXTERIOR PANEL, SCREW: 150mm (6") ON PERIMETER AND 300mm (12") ON CENTRE

METAL Z FLASHING SUPPORT BETWEEN THE LINTEL SUPPORT CHANNELS WITH THE SAME DEPTH AS THE LATTER

SELF-ADHESIVE MEMBRANE

ADDITIONAL FLASHING PRIOR LINTEL INSTALLATION

CAULKING WITH BACKER ROD AT PERIMETER

PLYWOOD (SEE NOTE)

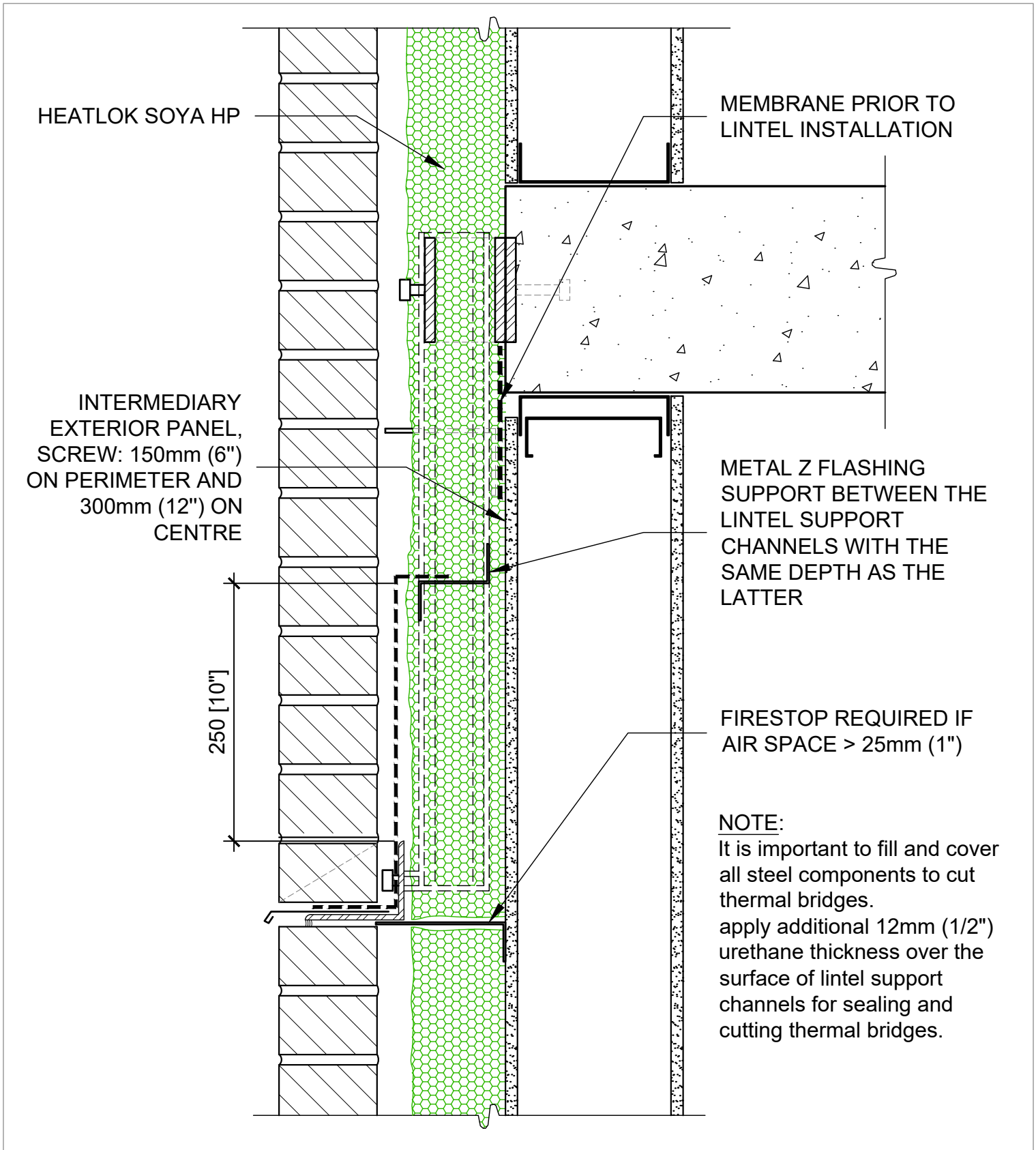
250 [10"]

ONE COMPONENT PORTABLE POLYURETHANE FOAM

NOTE :

- Seal the plywood joints with membrane or with sealant
- It is important to fill and cover all steel components to cut thermal bridges. Apply additional 12mm (1/2") urethane thickness over the surface of lintel support channels for sealing and cutting thermal bridges.

LINTEL ABOVE WINDOWS



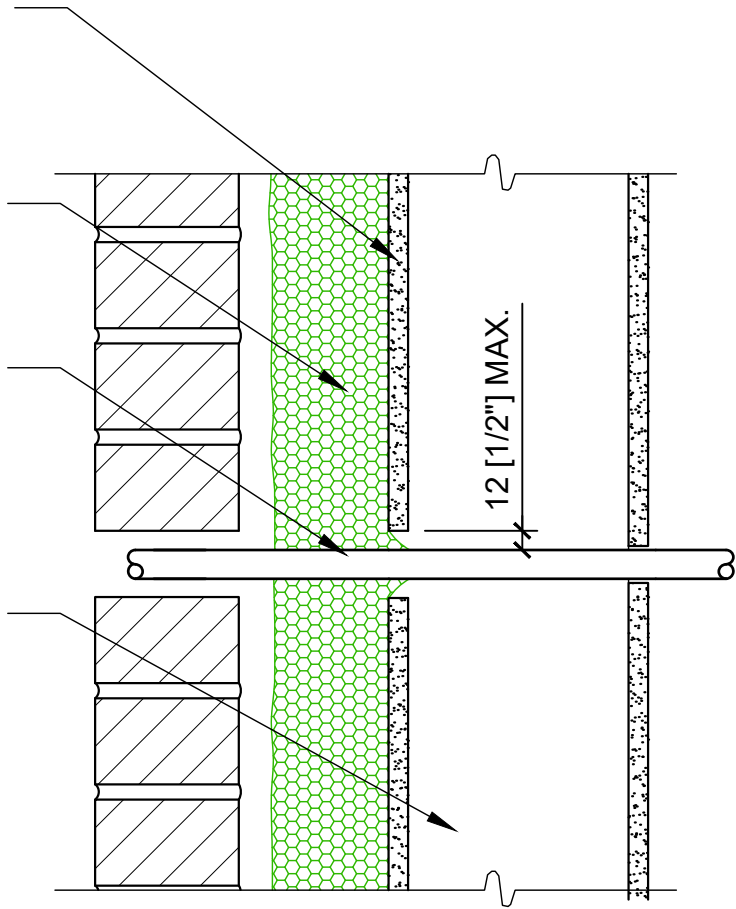
LINTEL ABOVE WINDOWS

INTERMEDIARY EXTERIOR
 PANEL, SCREW: 150mm (6")
 ON PERIMETER AND
 300mm (12") ON CENTRE

HEATLOK SOYA HP

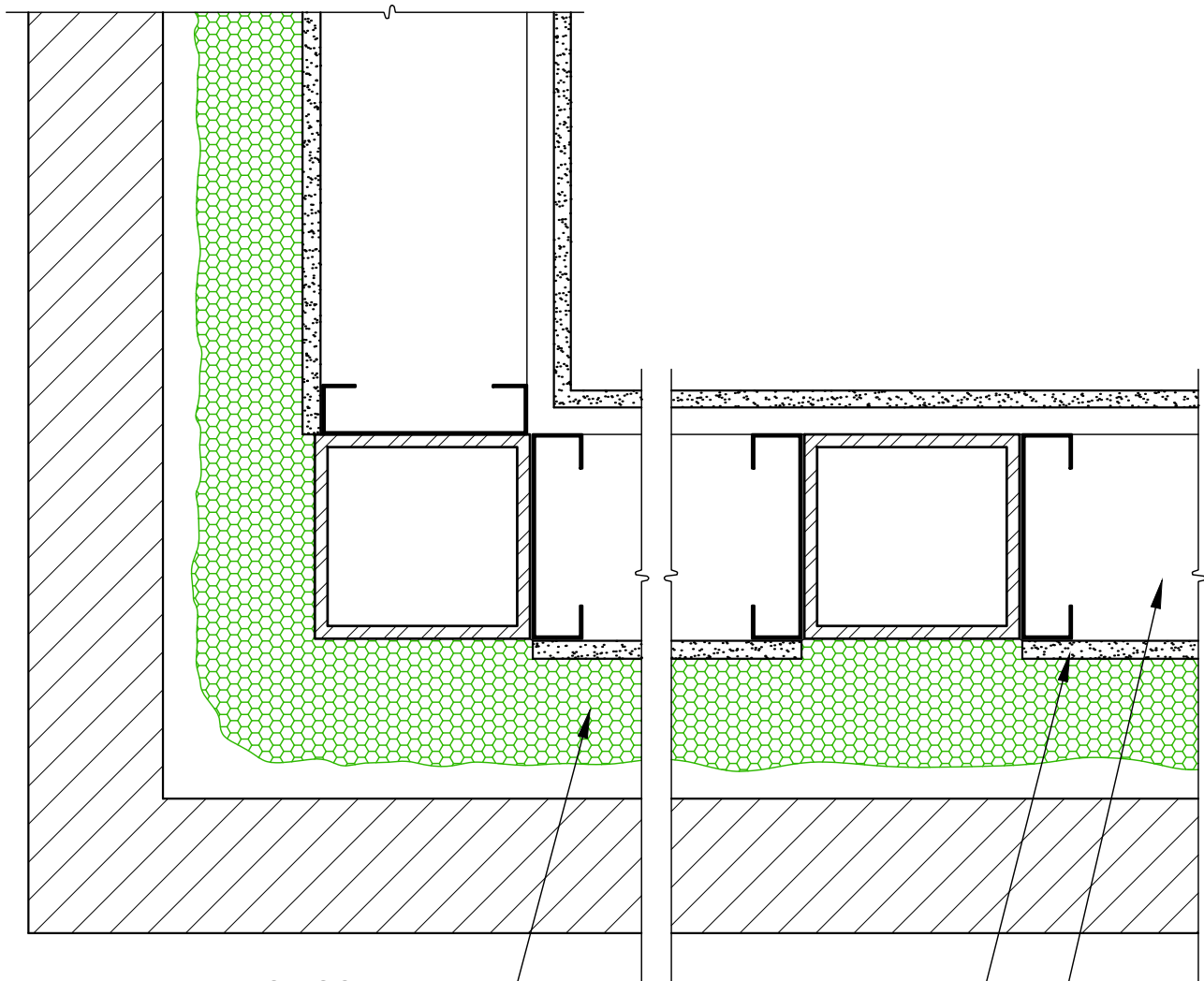
PRIMER FOR OILY
 AND PVC SURFACES

STEEL STUD GAUGE
 20, @ 400mm (16") C/C



OPTION : PAGE 70

DETAIL AT WALL PENETRATION



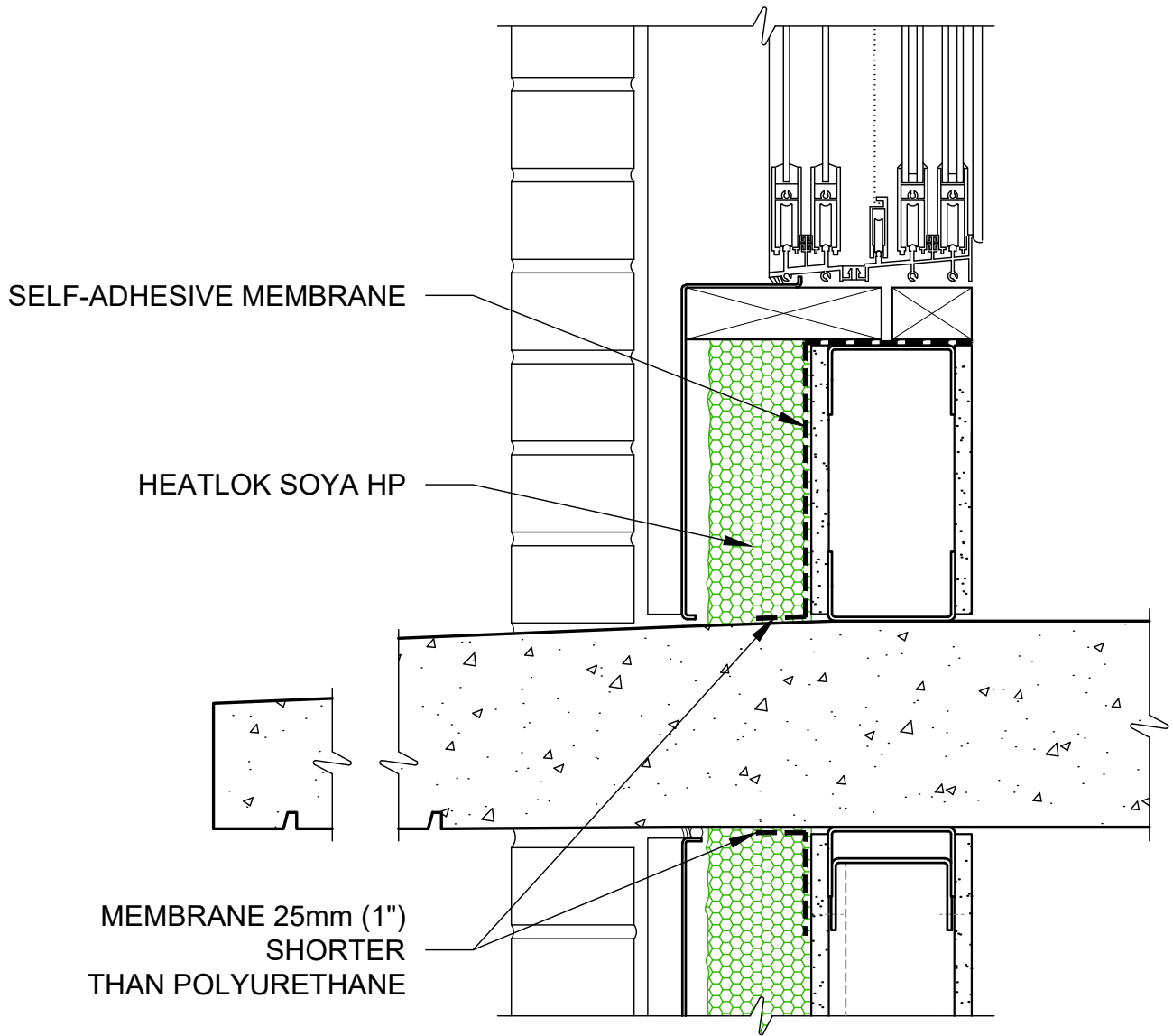
HEATLOK SOYA HP

INTERMEDIARY EXTERIOR PANEL, SCREW: 150mm
(6") ON PERIMETER AND 300mm (12") ON CENTRE

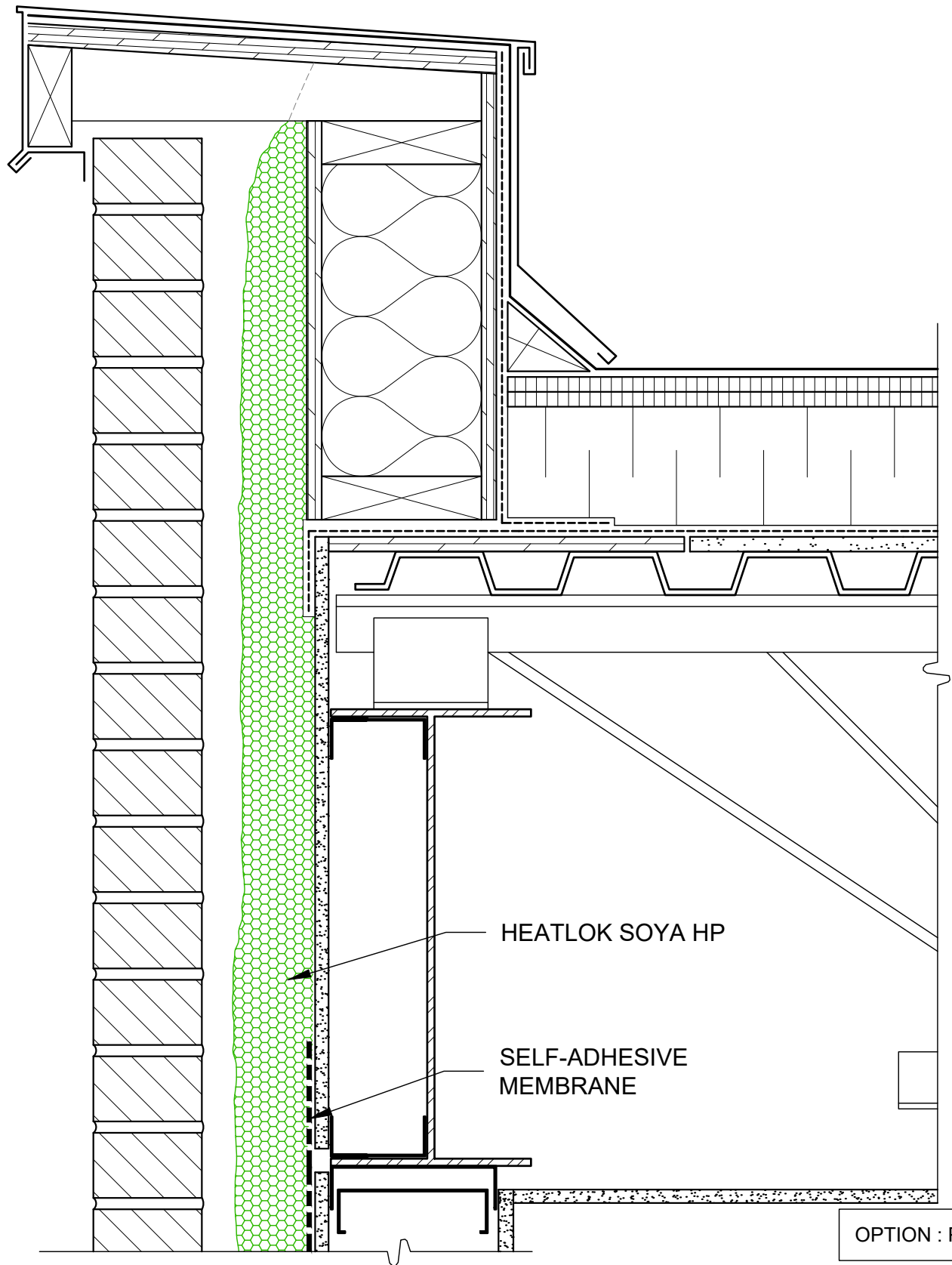
STEEL STUD GAUGE 20, @ 400mm (16") C/C

OPTION : PAGE 71

DETAIL AT JUNCTION OF COLUMN AND WALL



BALCONY JUNCTION, SLAB

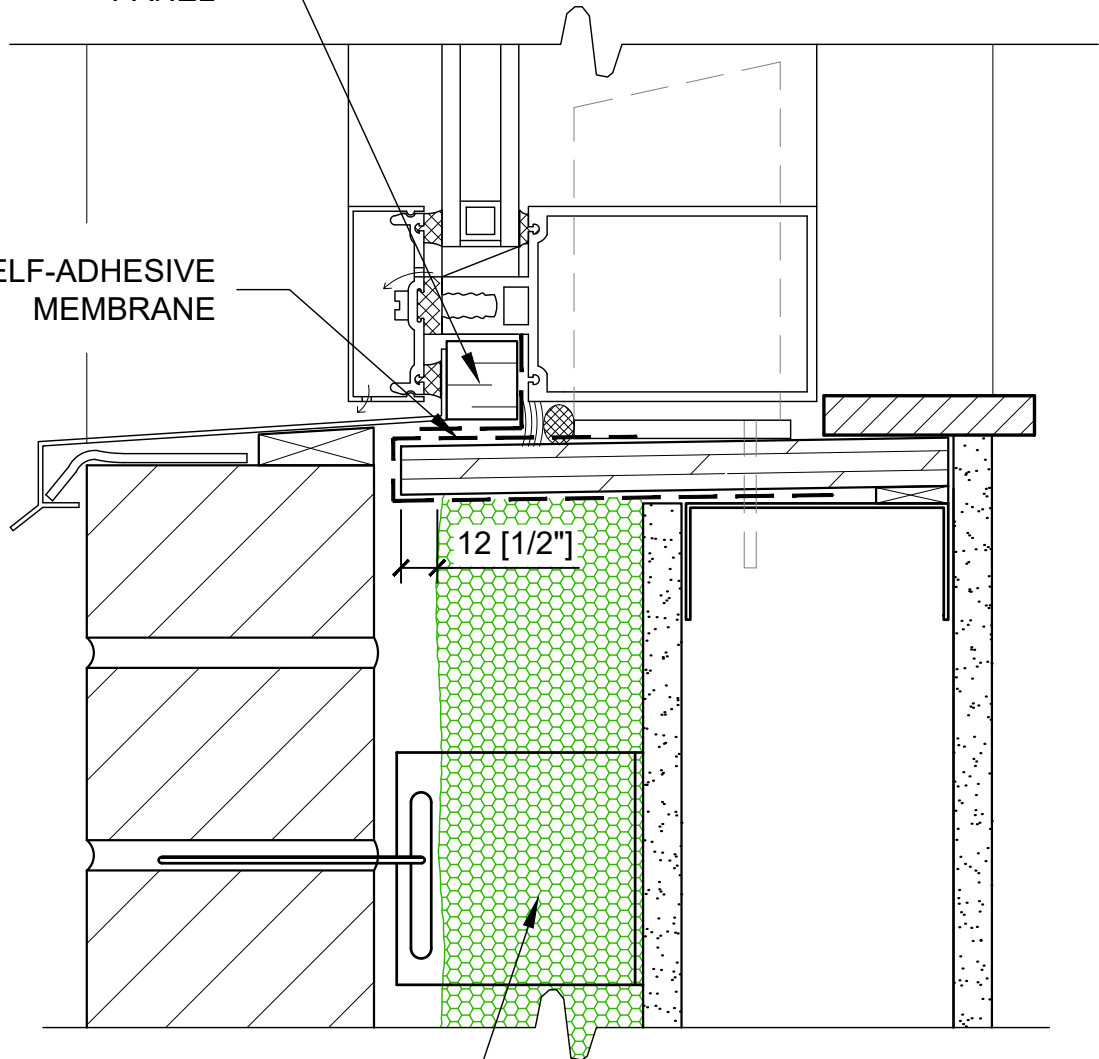


OPTION : PAGE 72

DETAIL AT SUPPORT BEAM,
PARAPET

POLYISOCYANURATE
PANEL

SELF-ADHESIVE
MEMBRANE



HEATLOK SOYA HP

CURTAIN WALL SILL - BRICK

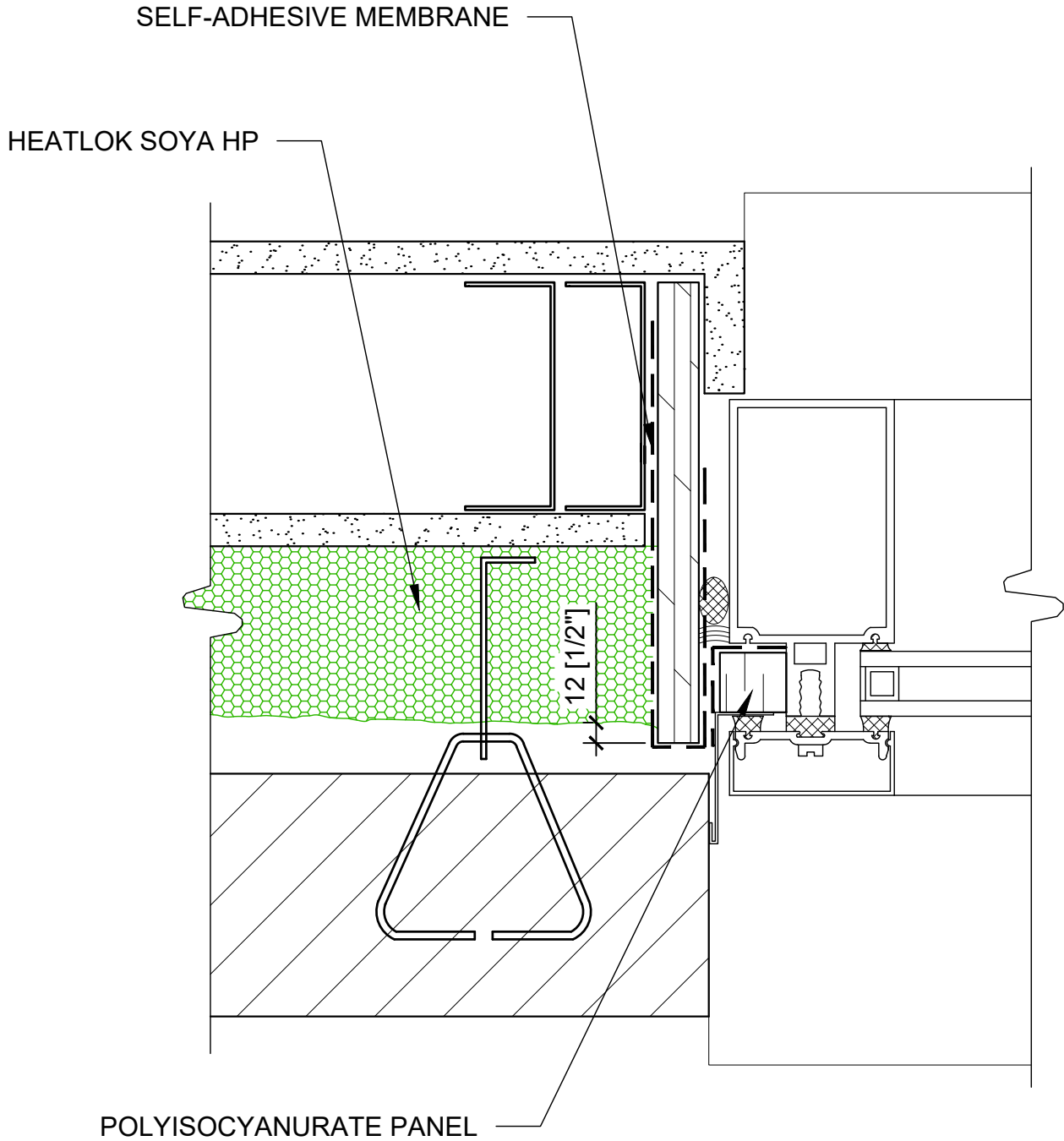
HUNTSMAN
BUILDING SOLUTIONS
1-888-783-0751 www.huntsmanbuildingsolutions.com

STEEL STUD WALL

SCALE: 1:2.5

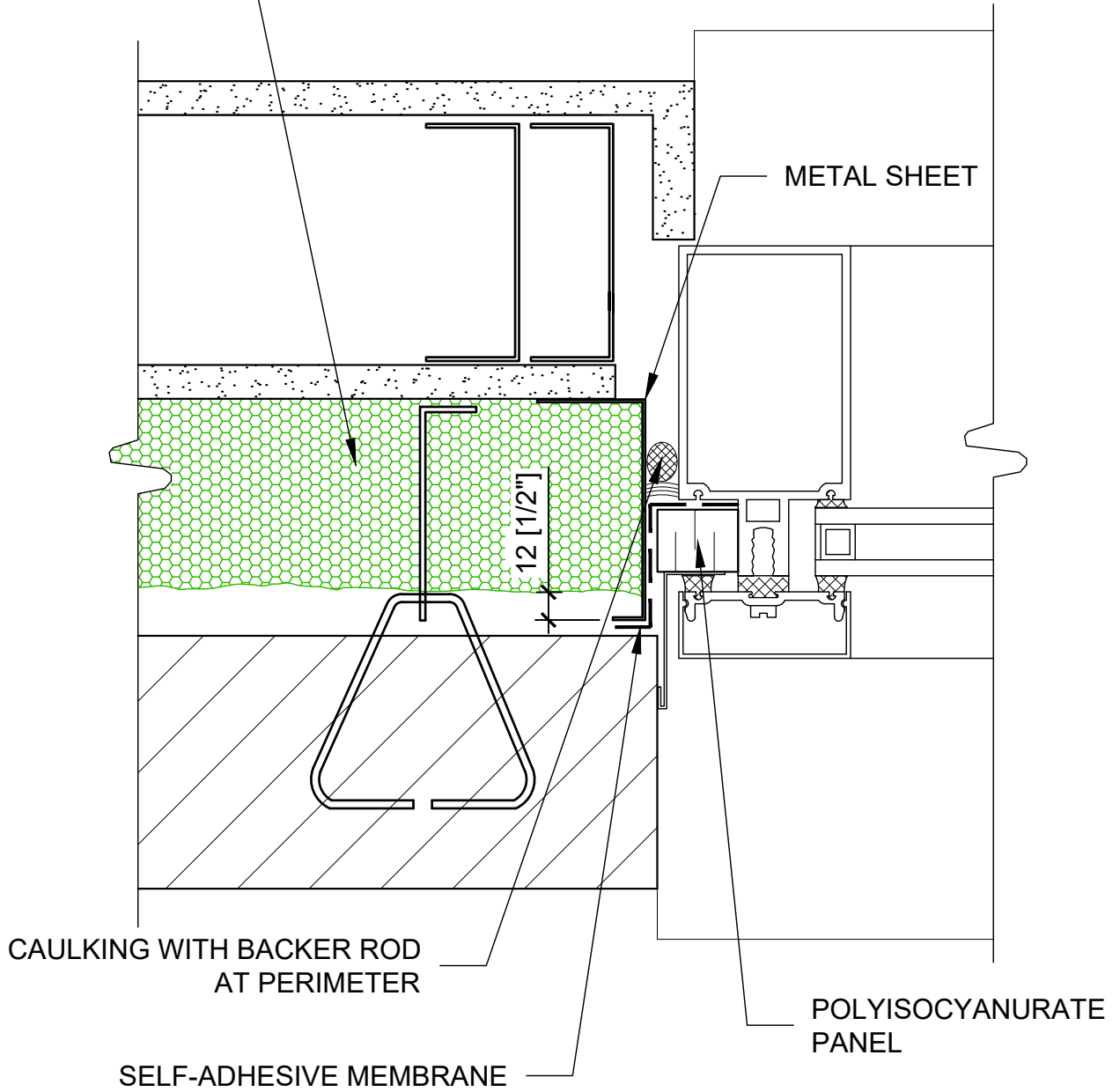
Page 22

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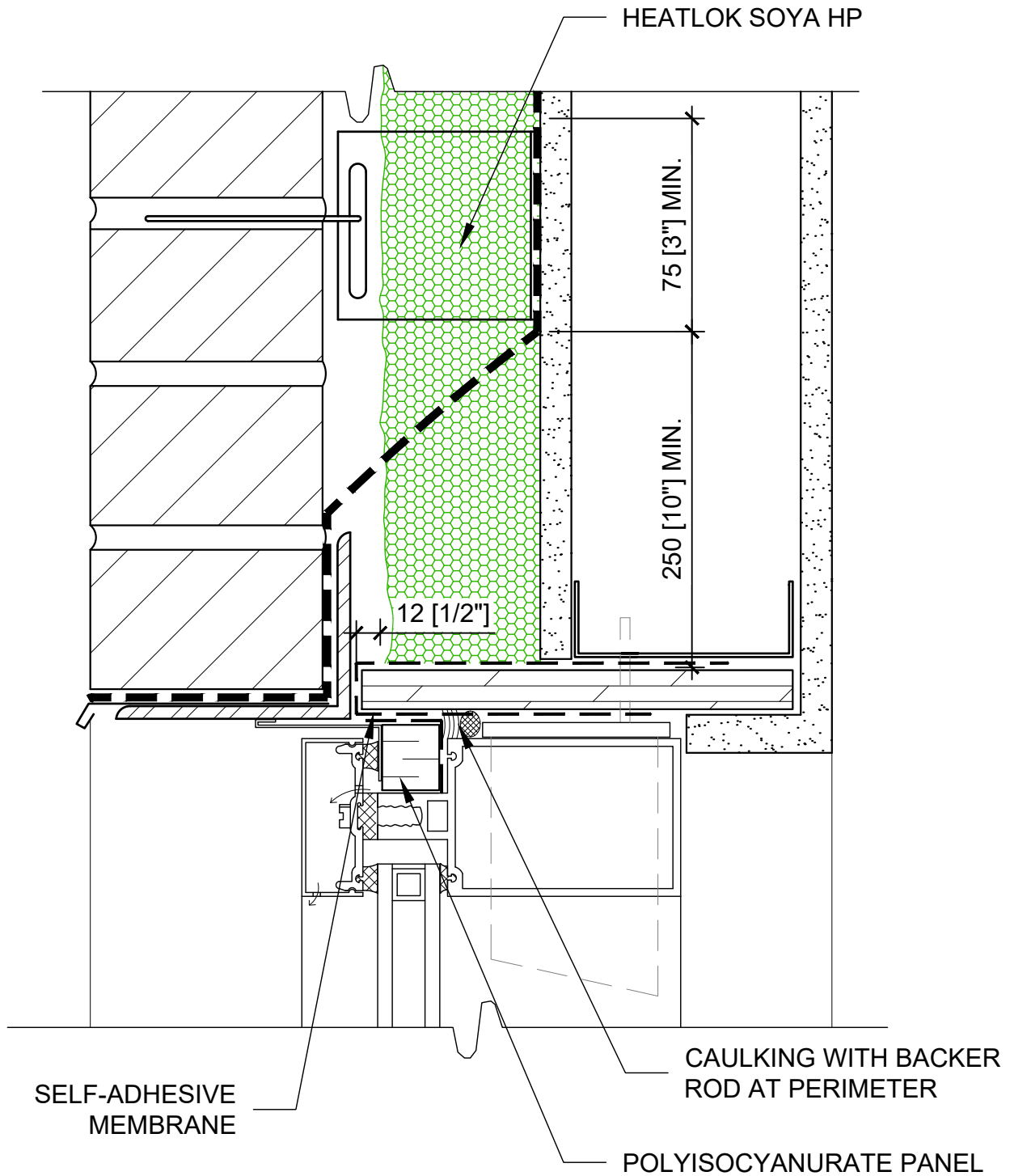


CURTAIN WALL JAMB - BRICK

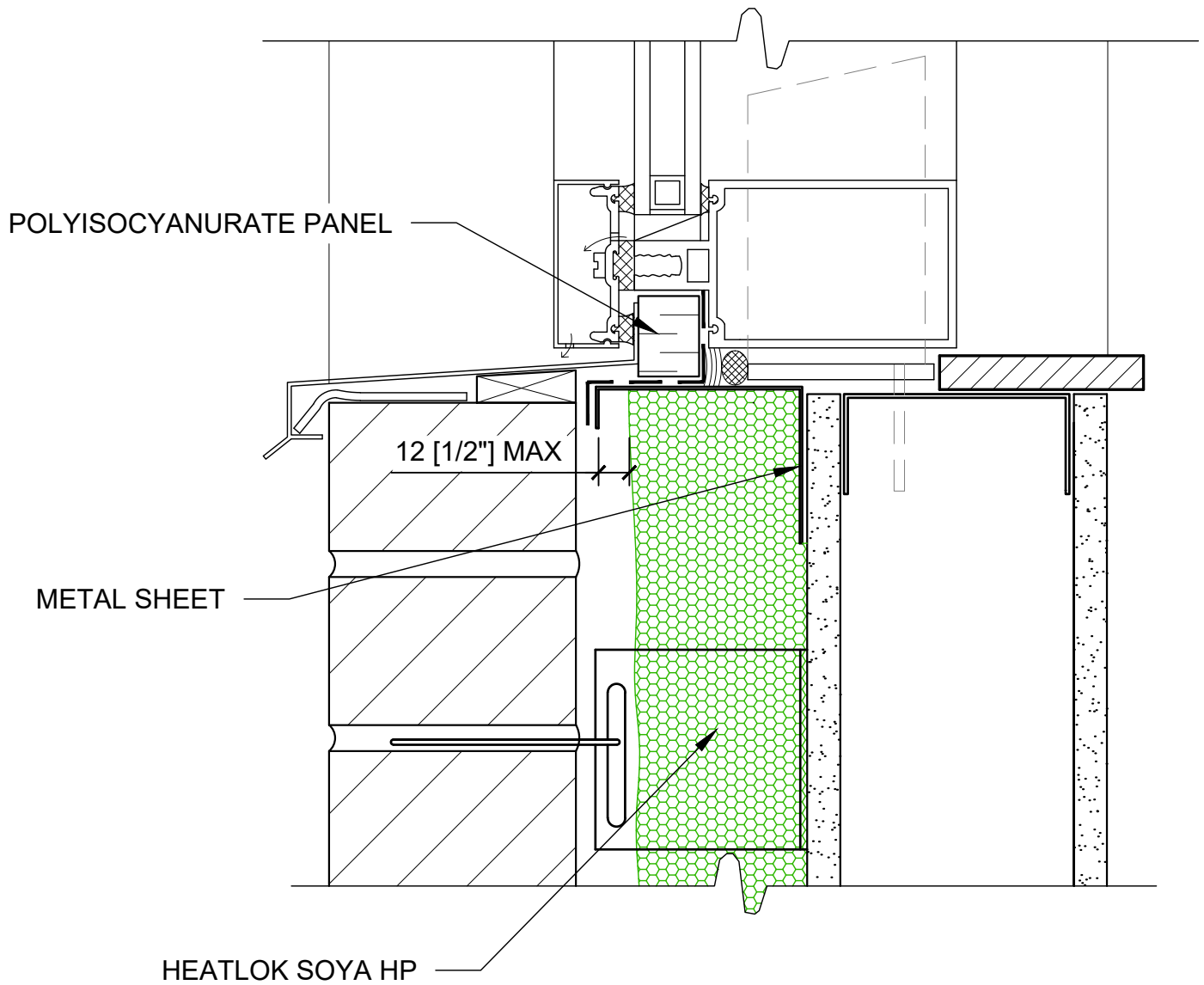
HEATLOK SOYA HP



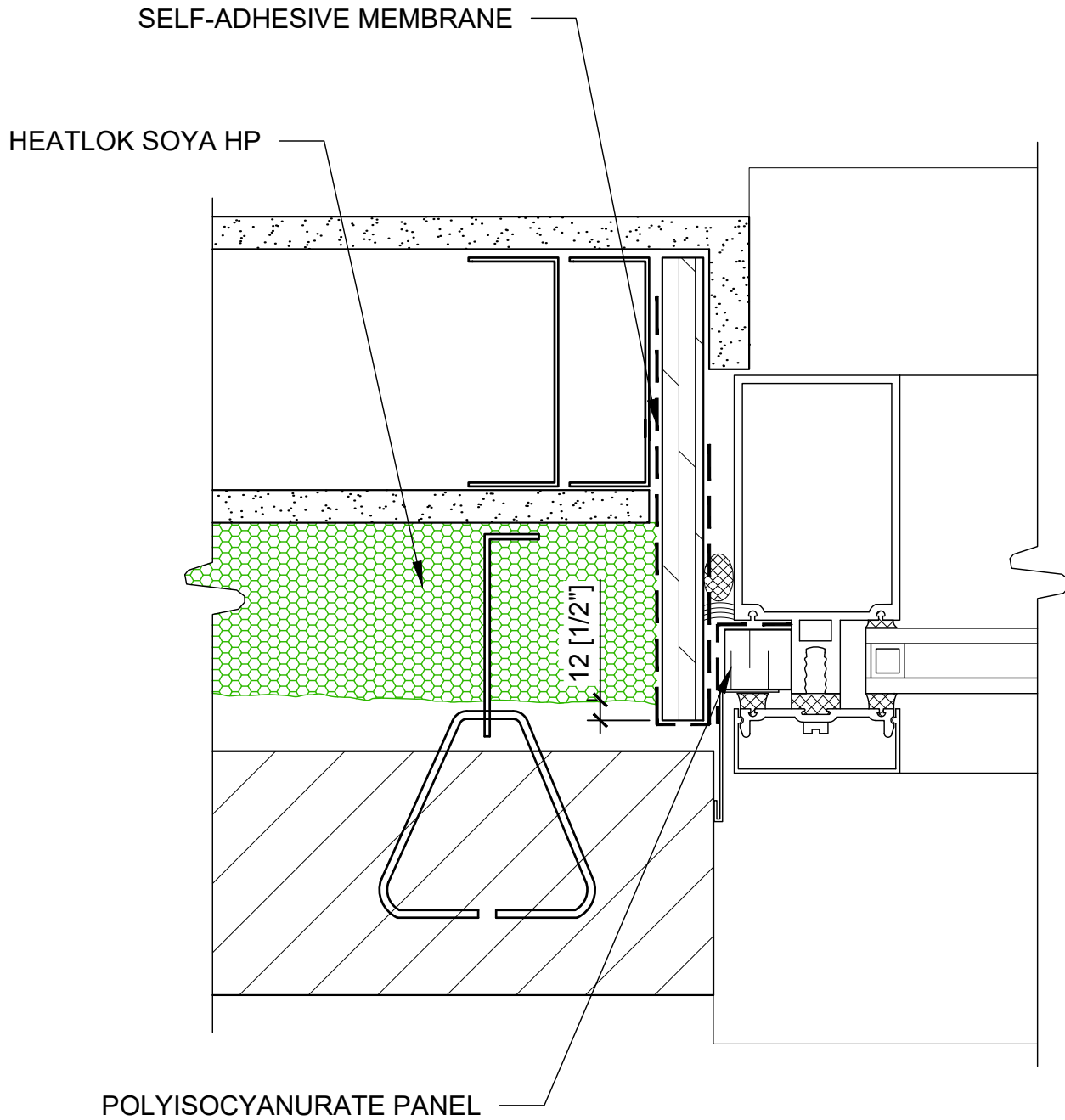
CURTAIN WALL JAMB - BRICK



TOP OF CURTAIN WALL - BRICK

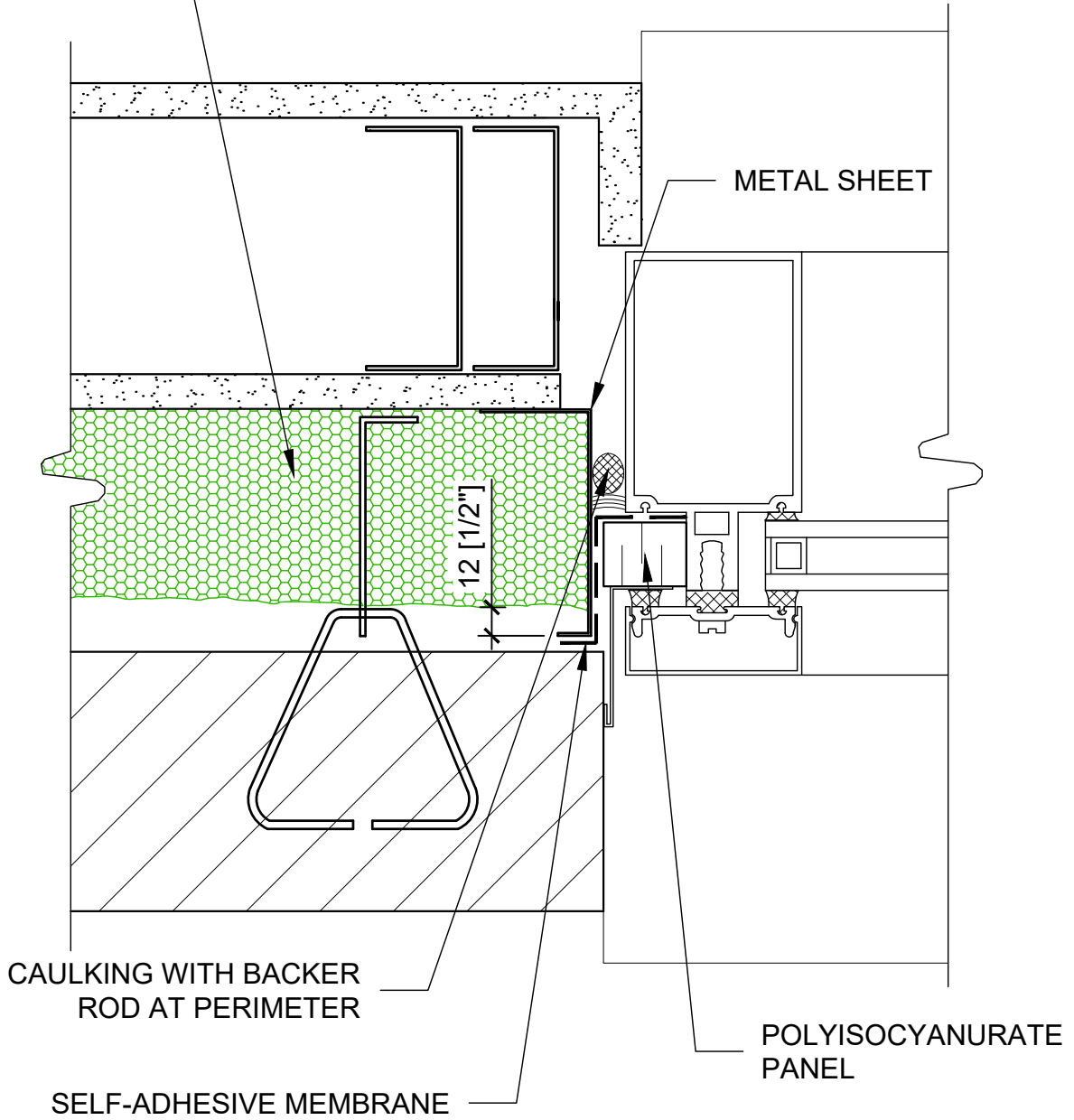


CURTAIN WALL SILL
- BRICK



CURTAIN WALL JAMB
- BRICK

HEATLOK SOYA HP



CURTAIN WALL JAMB
- BRICK

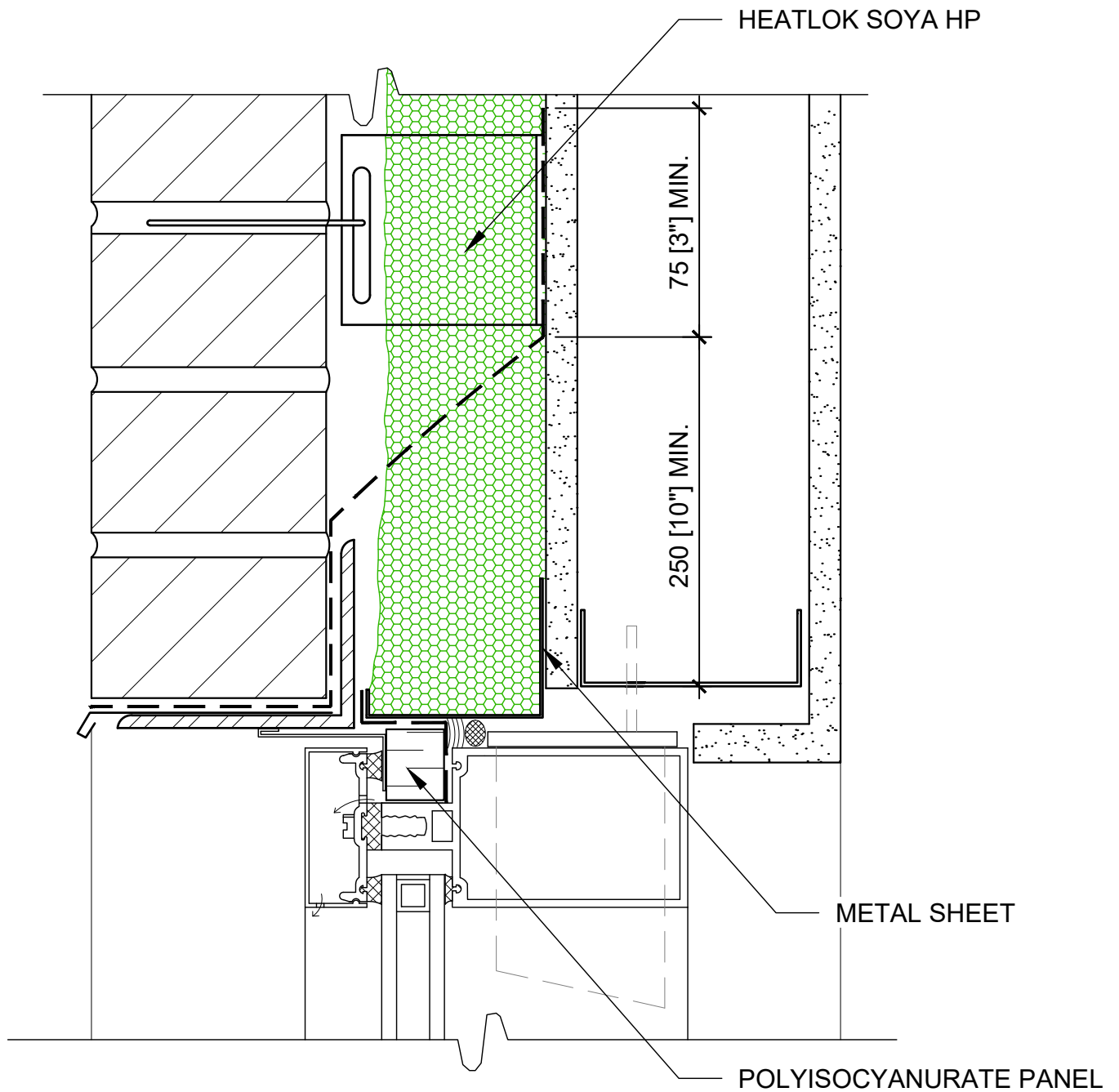
HUNTSMAN
BUILDING SOLUTIONS
1-888-783-0751 www.huntsmanbuildingsolutions.com

STEEL STUD WALL

SCALE: 1:2.5

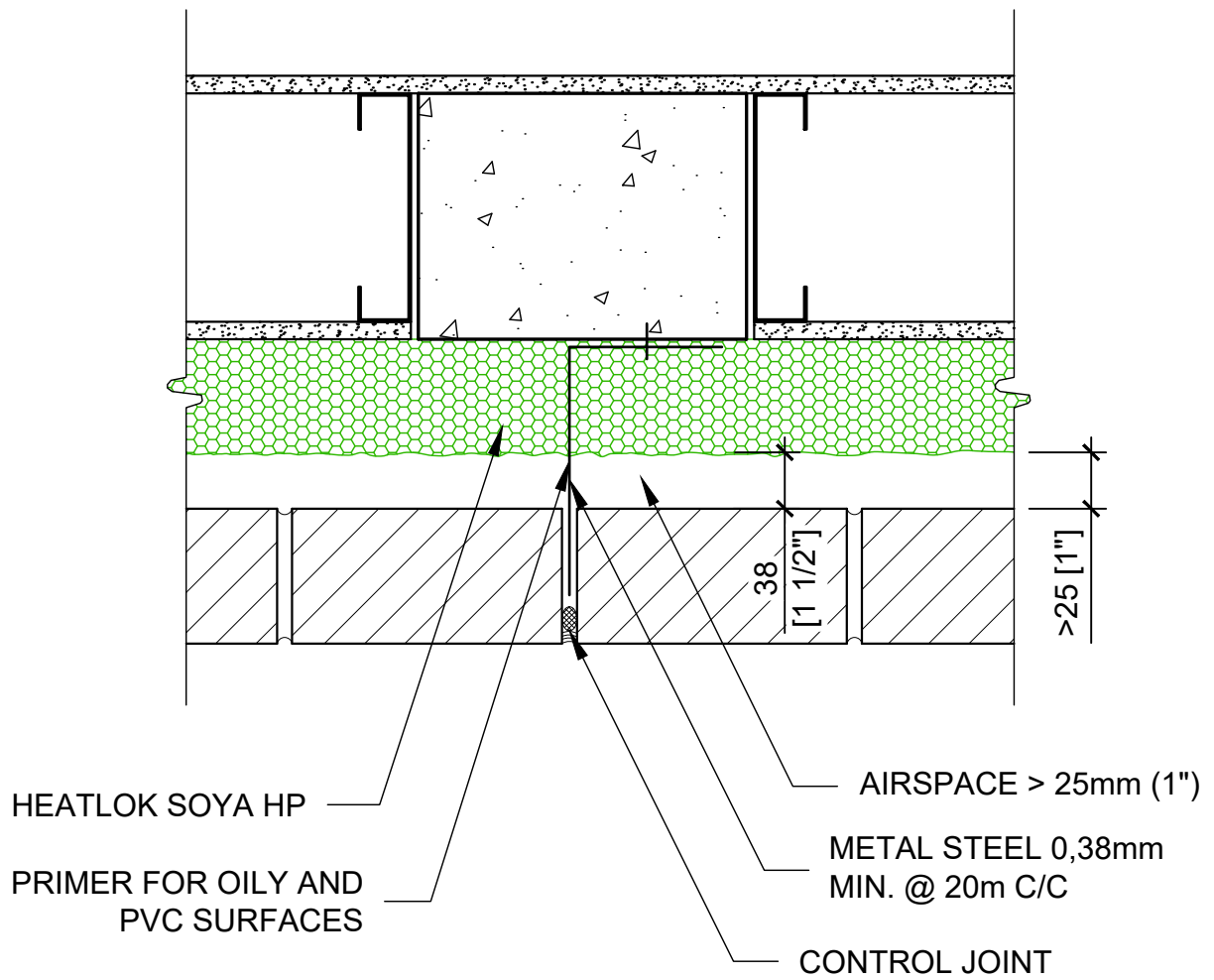
Page 28

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TOP OF CURTAIN WALL
- BRICK

Note : Fire break is necessary only if the airspace is over 25mm (1")

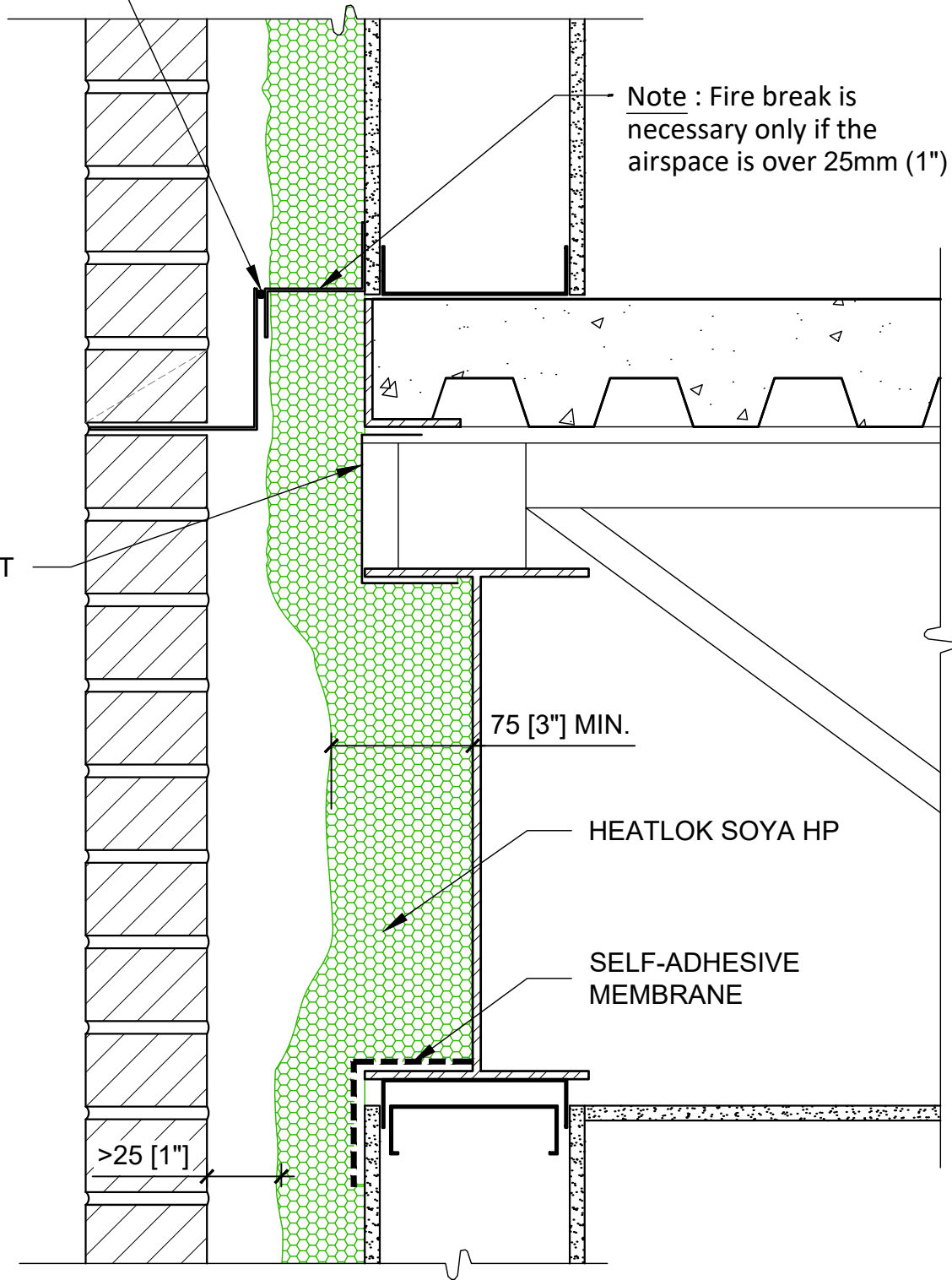


FIRE BREAK VERTICAL POSITION

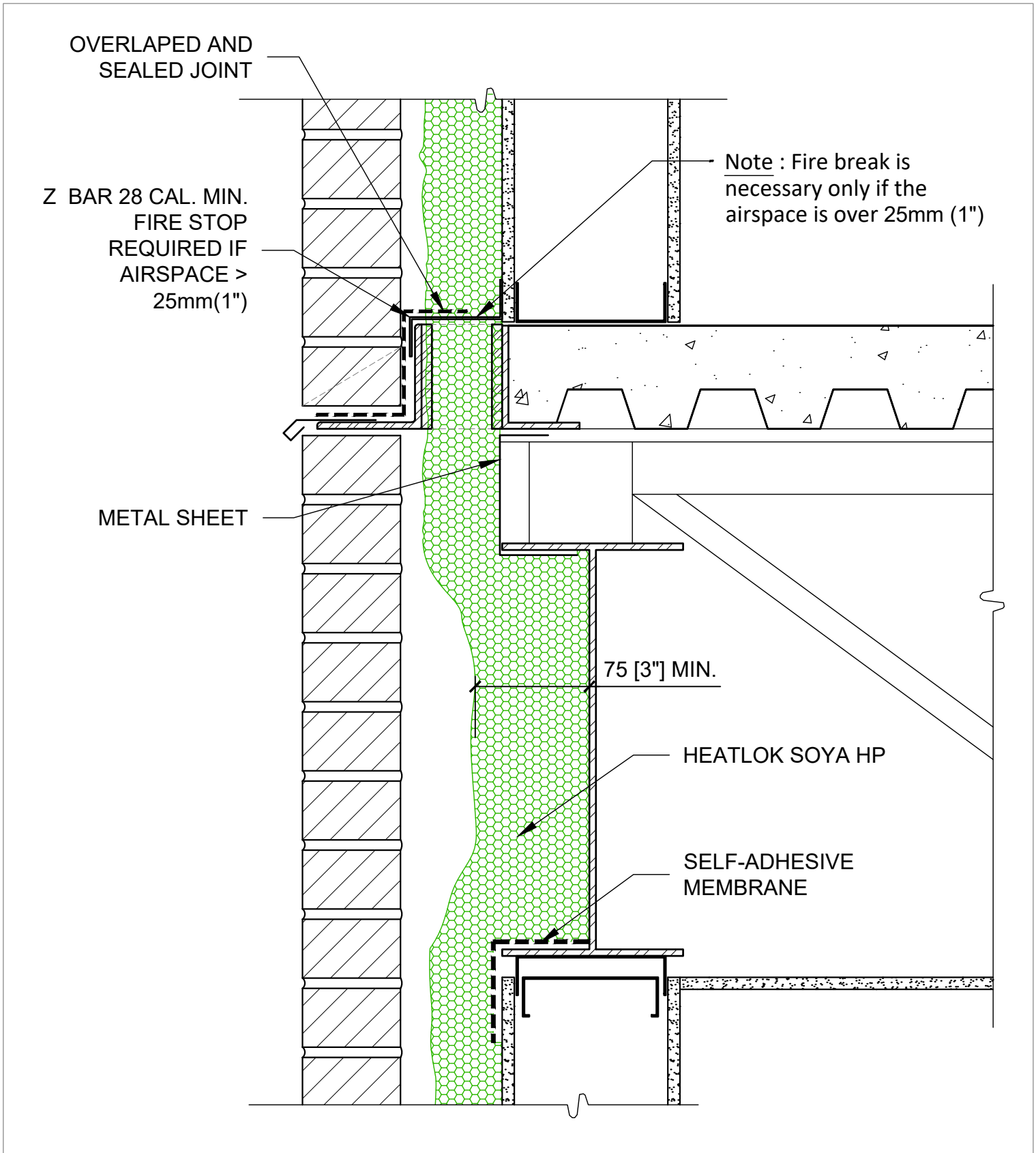
OVERLAPED AND
SEALED JOINT

METAL SHEET

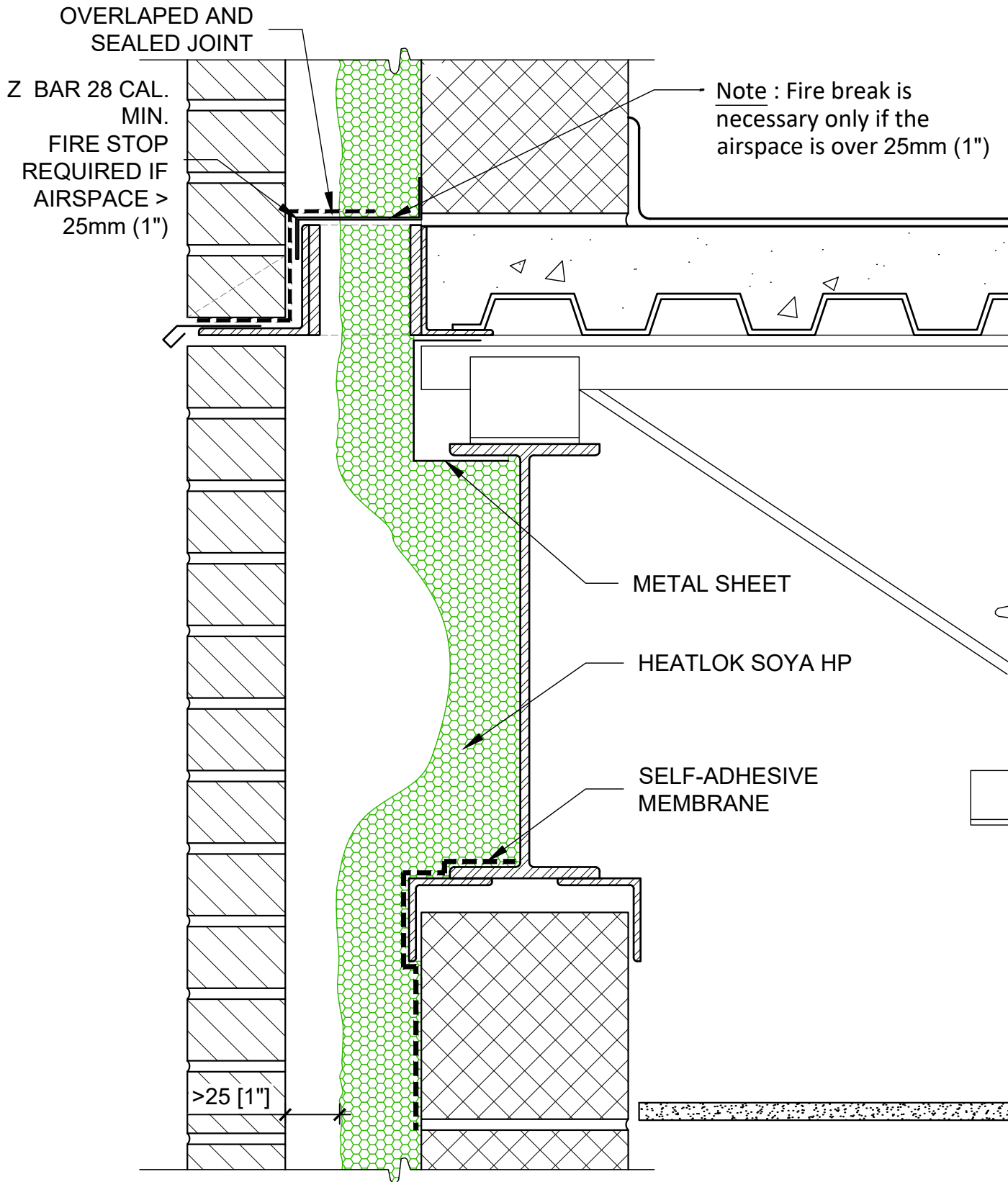
Note : Fire break is
necessary only if the
airspace is over 25mm (1")



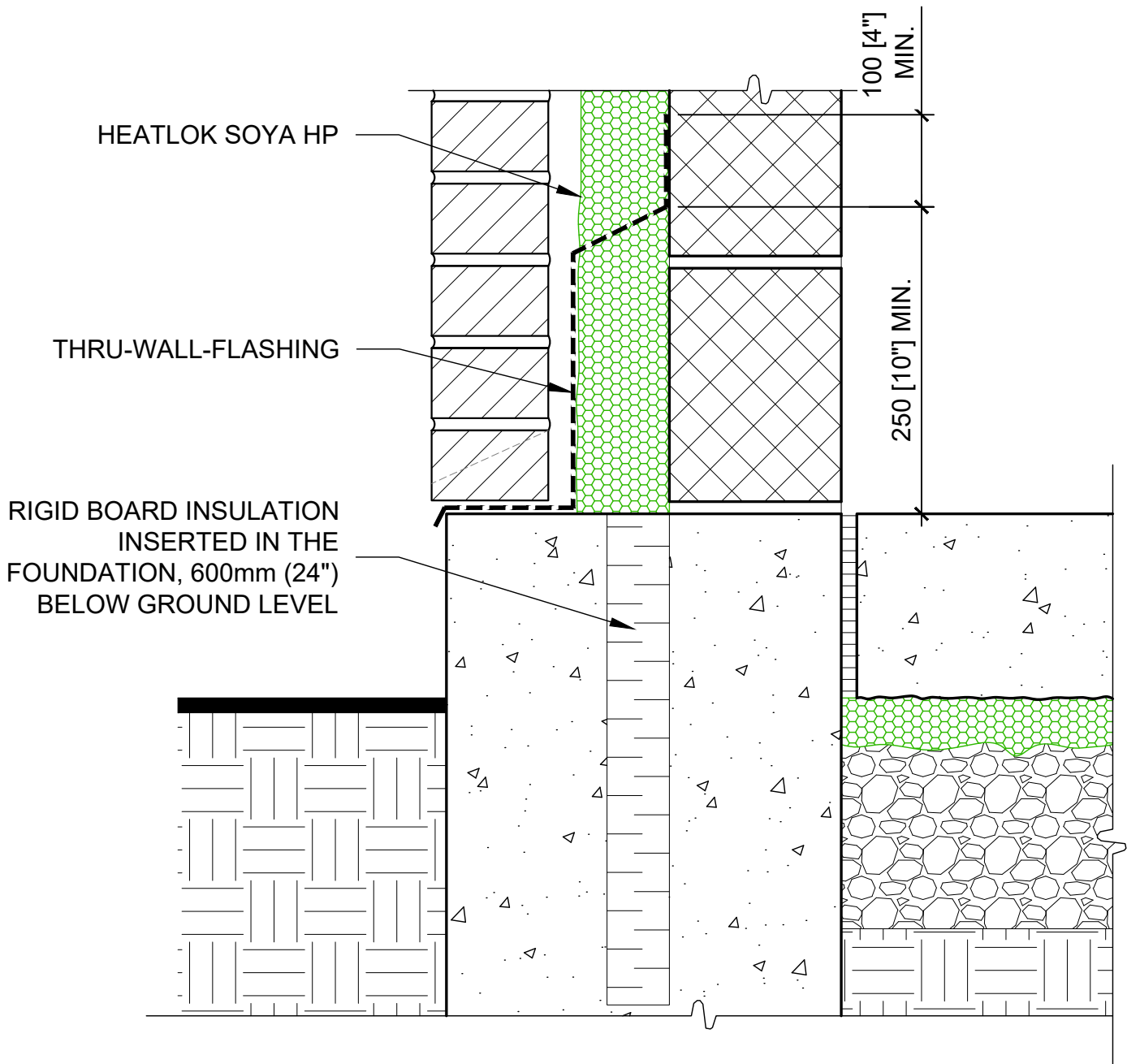
FIRE STOP DETAIL



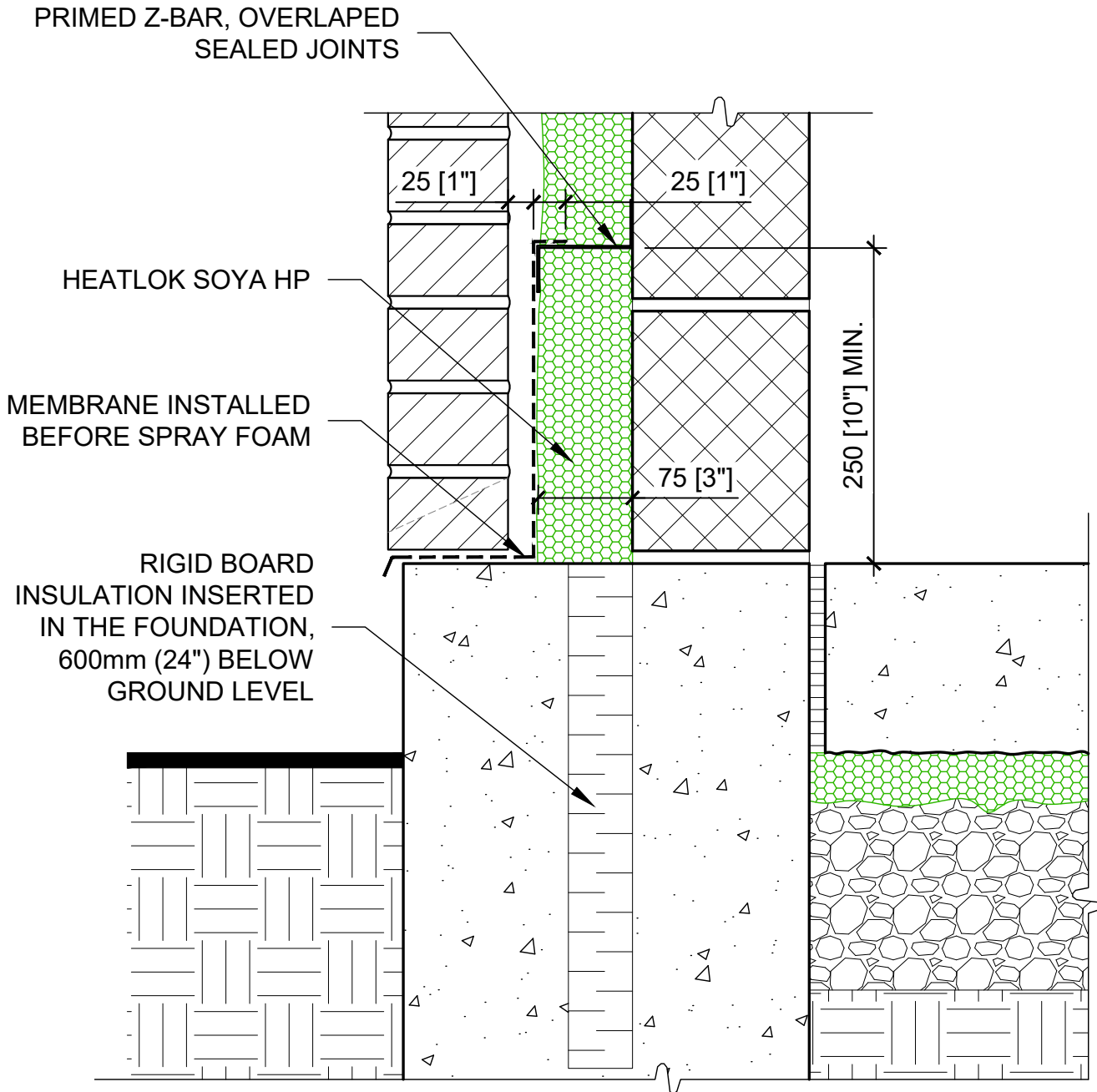
FIRE STOP DETAIL



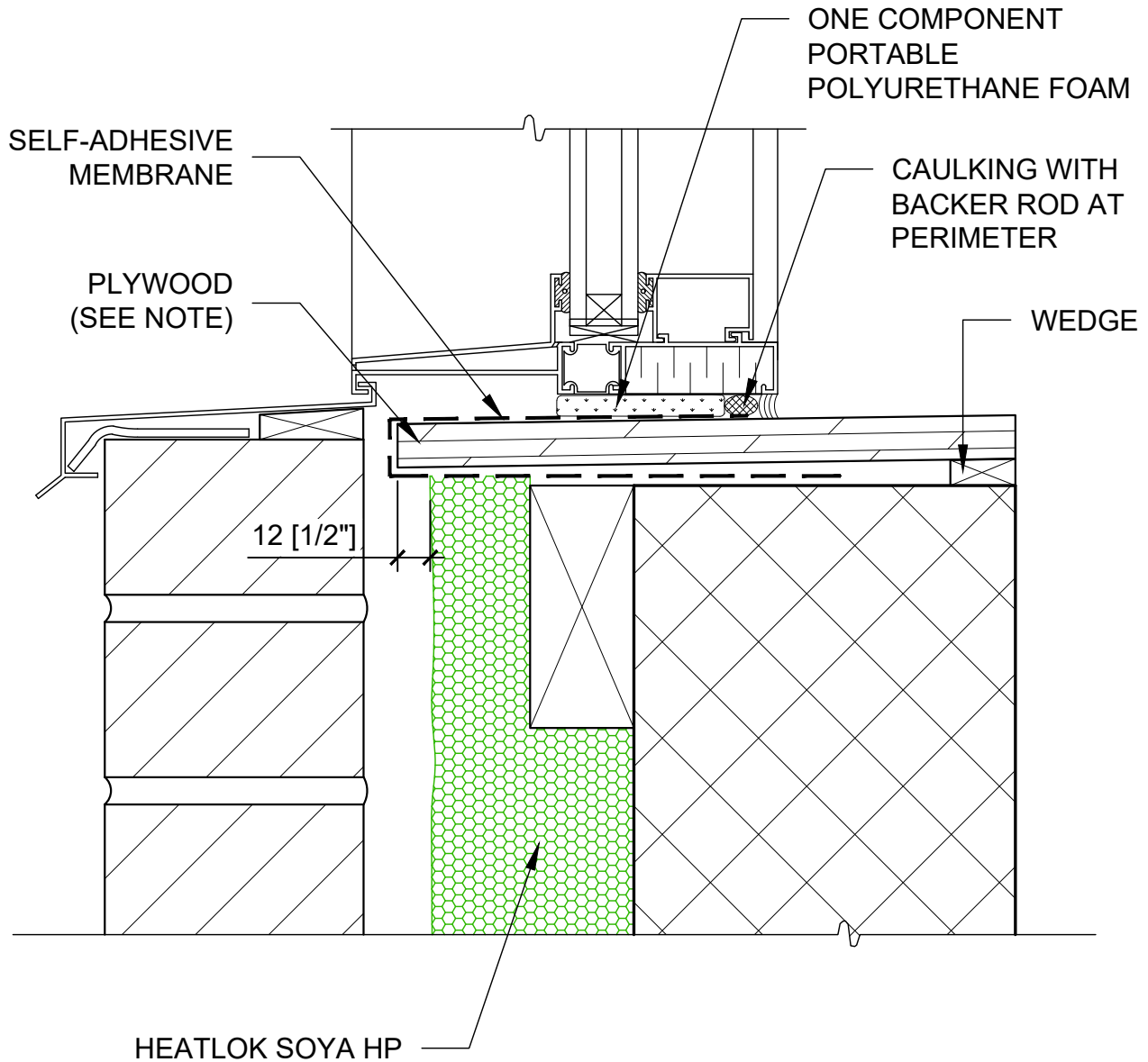
FIRE STOP DETAIL



THROUGH WALL MEMBRANE AT FOUNDATION WALL JUNCTION



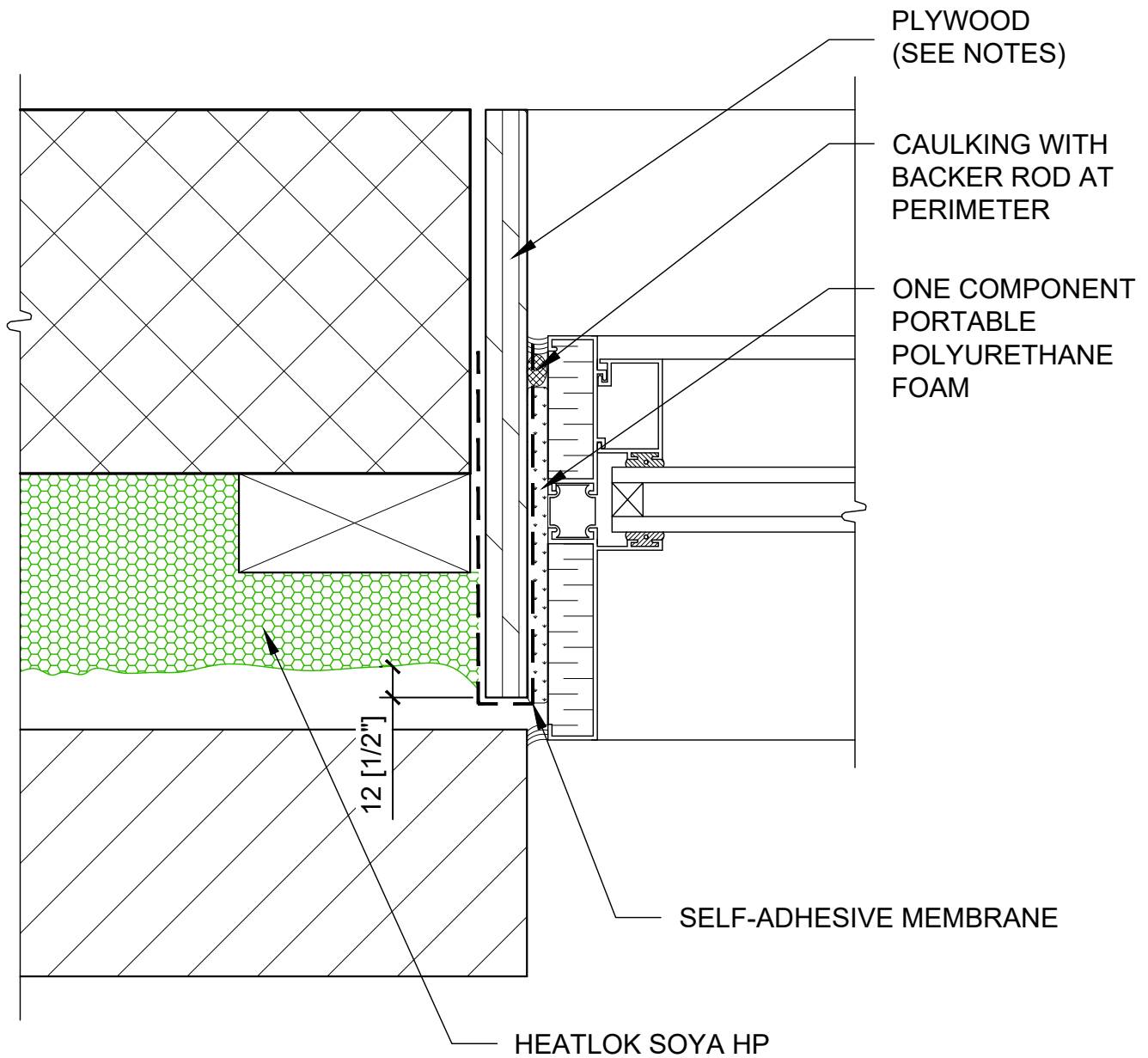
THROUGH WALL MEMBRANE AT FOUNDATION WALL JUNCTION



NOTE :

- Seal the plywood joints with membrane or with sealant
- Premembraned plywood before plywood installation

WINDOW SILL



NOTE :

- Seal the plywood joints with membrane or with sealant
- Premembraned plywood before plywood installation

WINDOW JAMB

THRU-WALL-FLASHING
(SEE NOTE)

HEATLOK SOYA HP



SELF-ADHESIVE
MEMBRANE

PLYWOOD
(SEE NOTE)

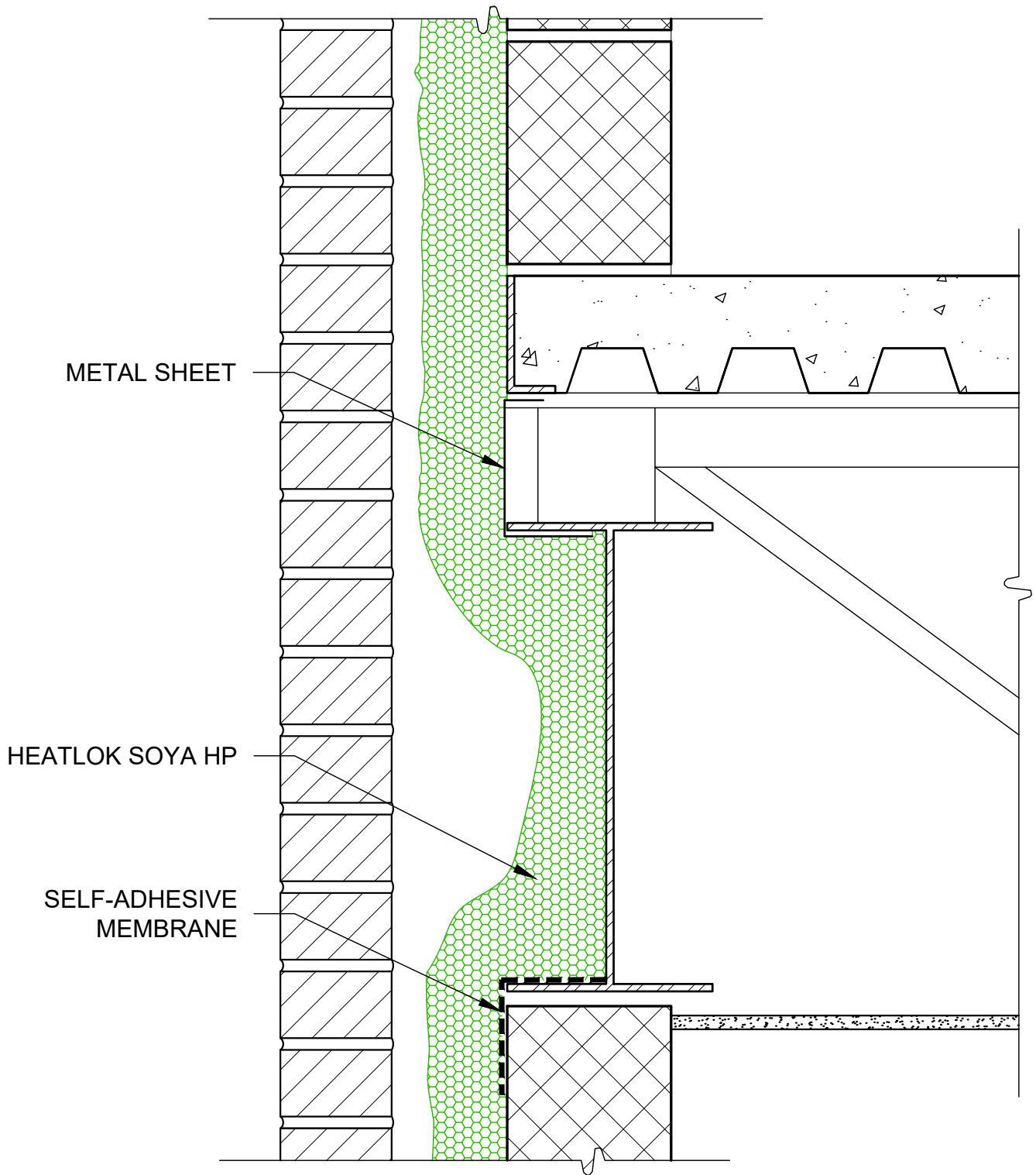
ONE COMPONENT PORTABLE
POLYURETHANE FOAM

CAULKING WITH
BACKER ROD AT
PERIMETER

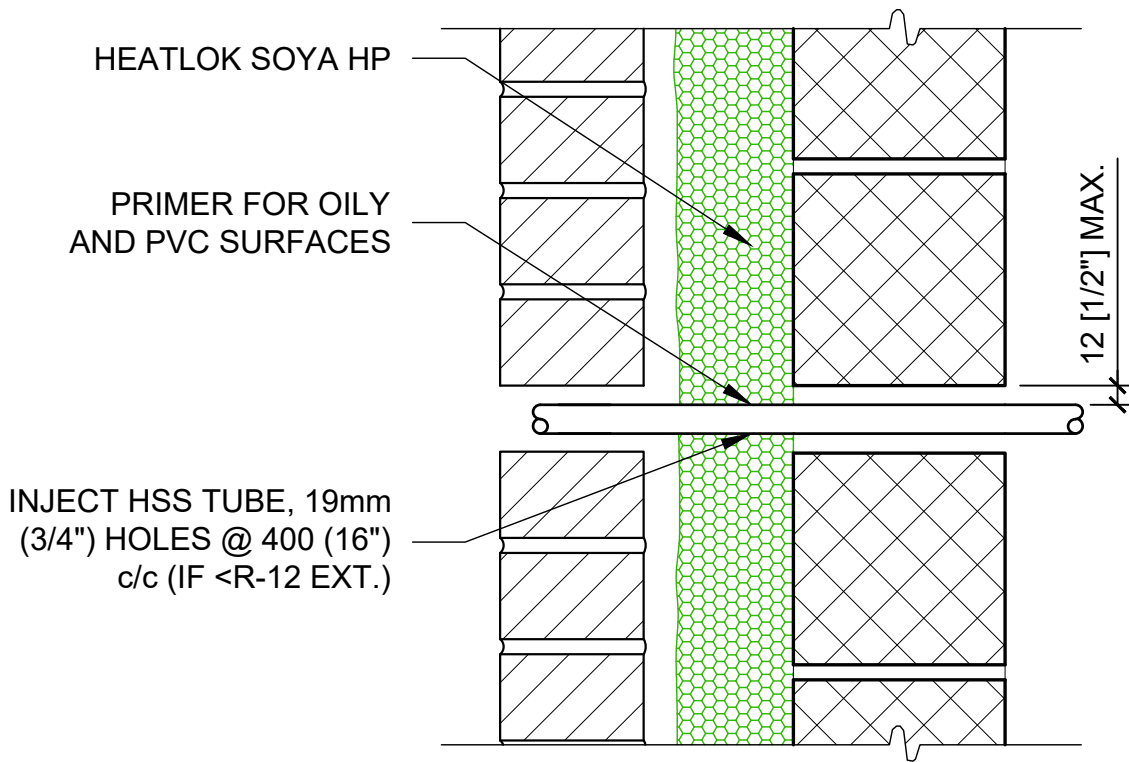
NOTE :

- Thru-wall flashing exceed 200mm (8") both sides of the opening
- Seal the plywood joints with membrane or with sealant
- Premembraned plywood before plywood installation

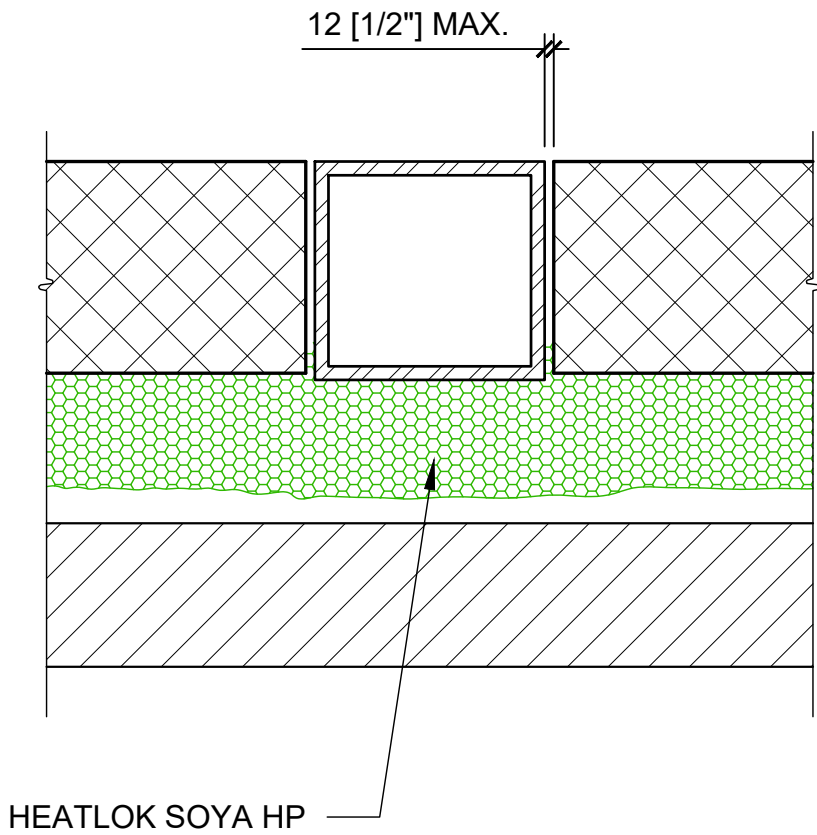
TOP OF WINDOW



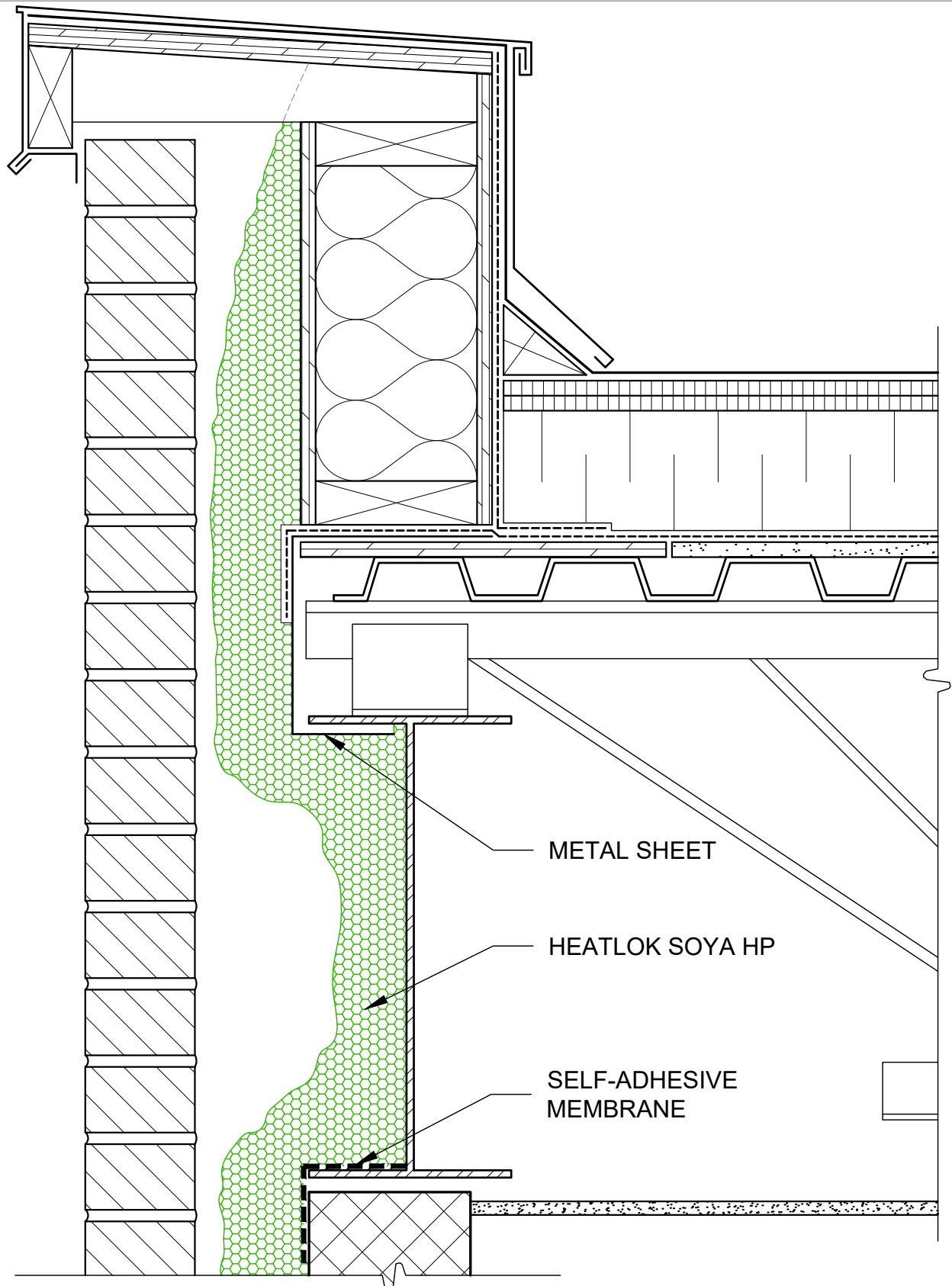
FLOOR JUNCTION



DETAIL AT WALL PENETRATION



DETAIL AT JUNCTION OF COLUMN AND WALL



METAL SHEET

HEATLOK SOYA HP

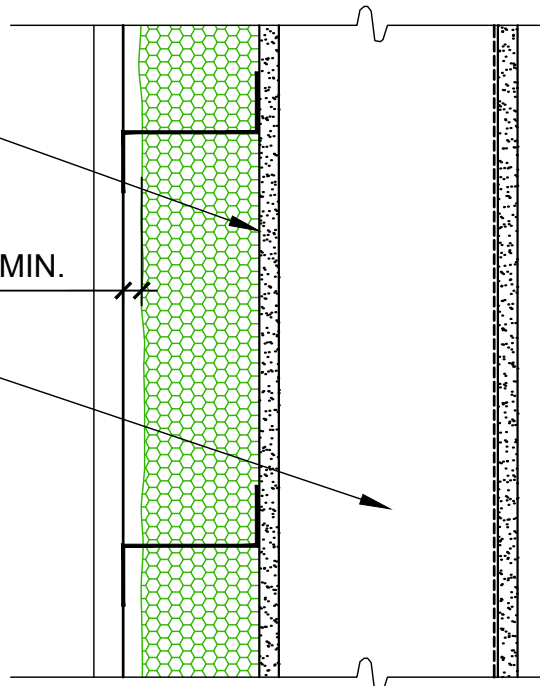
SELF-ADHESIVE
MEMBRANE

DETAIL AT SUPPORT BEAM,
PARAPET

INTERMEDIARY EXTERIOR
PANEL, SCREW: 150mm (6") ON
PERIMETER AND 300mm (12")
ON CENTRE

12 [1/2"] MIN.

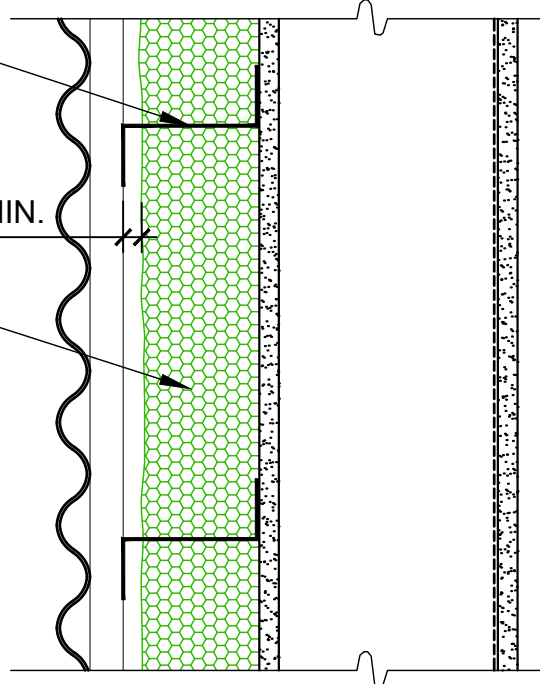
STEEL STUD GAUGE 20, @
400mm (16") C/C



Z BAR
WITH PRIMER FOR OILY
AND PVC SURFACES

12 [1/2"] MIN.

HEATLOK SOYA HP



NOTE : All sprayed membrane must be installed before the installation of the "z" bars.

Z-BAR

INTERMEDIARY EXTERIOR
 PANEL, SCREW: 150mm
 (6") ON PERIMETER AND
 300mm (12") ON CENTRE

12 [1/2"] MIN.

PERFORATED Z BAR
 WITHOUT PRIMER
 OR Z BAR
 WITH PRIMER FOR OILY
 AND PVC SURFACES

HEATLOK SOYA HP

OVERLAPED AND
 SEALED JOINT

- PARGING
- CONCRETE PANEL
- Z-BAR

12 [1/2"] MIN.

65 [2 1/2"]



EXTERIOR FOUNDATION

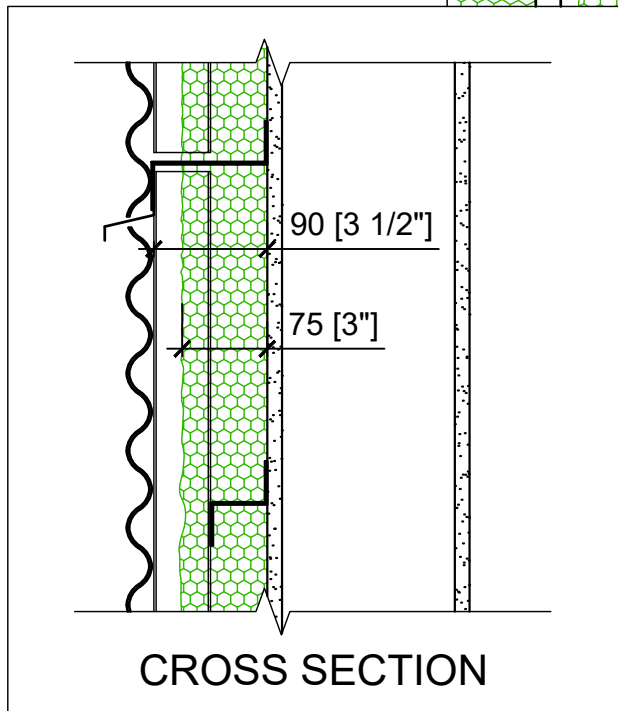
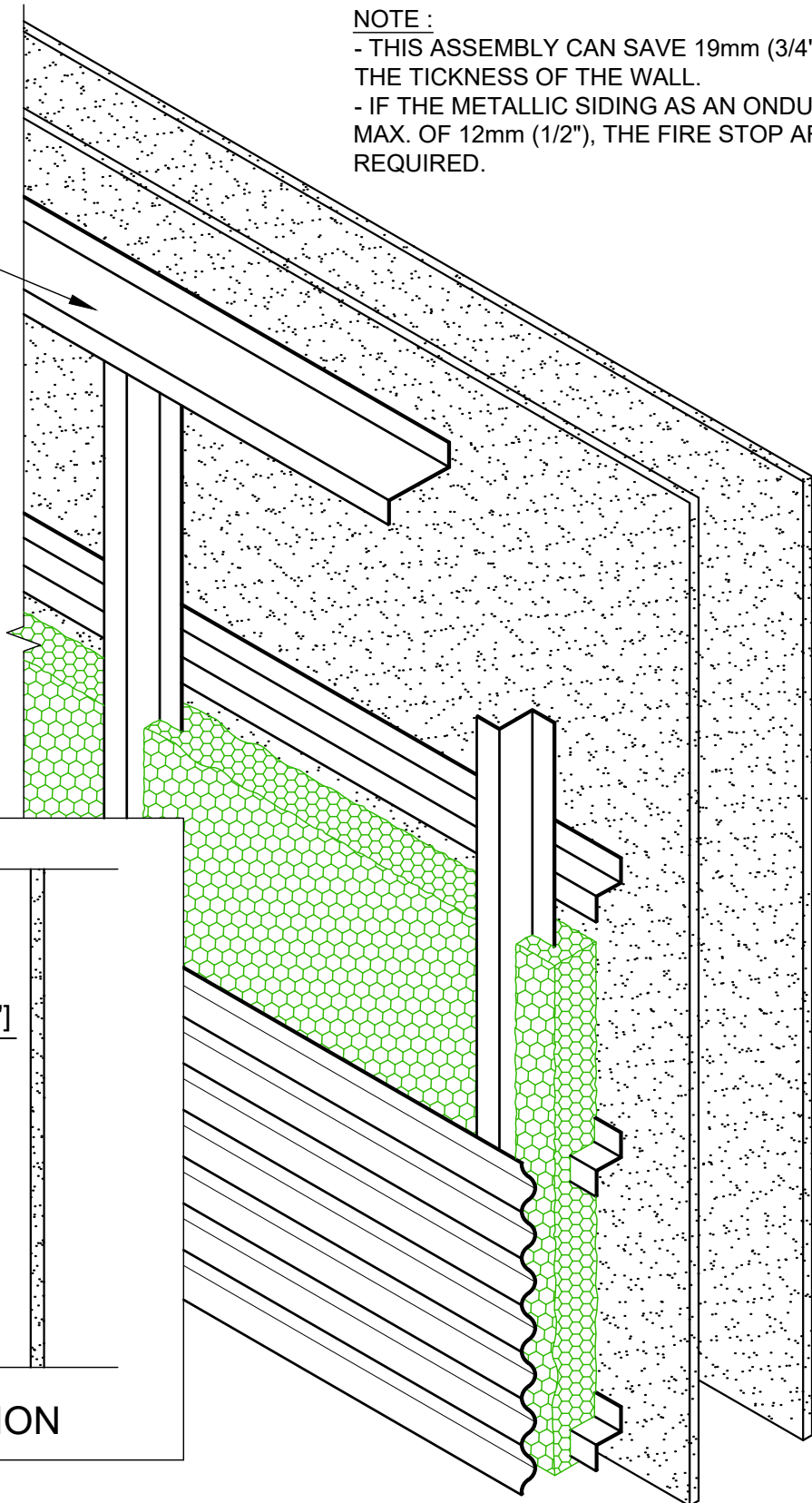
FIRE STOP REQUIRED ONLY
IF AIRSPACE >25mm (1")

NOTE :
- THIS ASSEMBLY CAN SAVE 19mm (3/4") OF
THE THICKNESS OF THE WALL.
- IF THE METALLIC SIDING AS AN ONDULATION
MAX. OF 12mm (1/2"), THE FIRE STOP ARE NOT
REQUIRED.

FIRE STOP

NOTE :
STOP THE EXTERIOR SIDING
AT EACH FIRE STOP TO LET
THE FLASHING OUT

THE FIRE STOP CAN BE
ALIGNED WITH THE WINDOW
PANEL.



DOUBLE Z BARS-
HORIZONTAL SIDING

FIRE STOP REQUIRED ONLY
IF AIRSPACE >25mm (1")

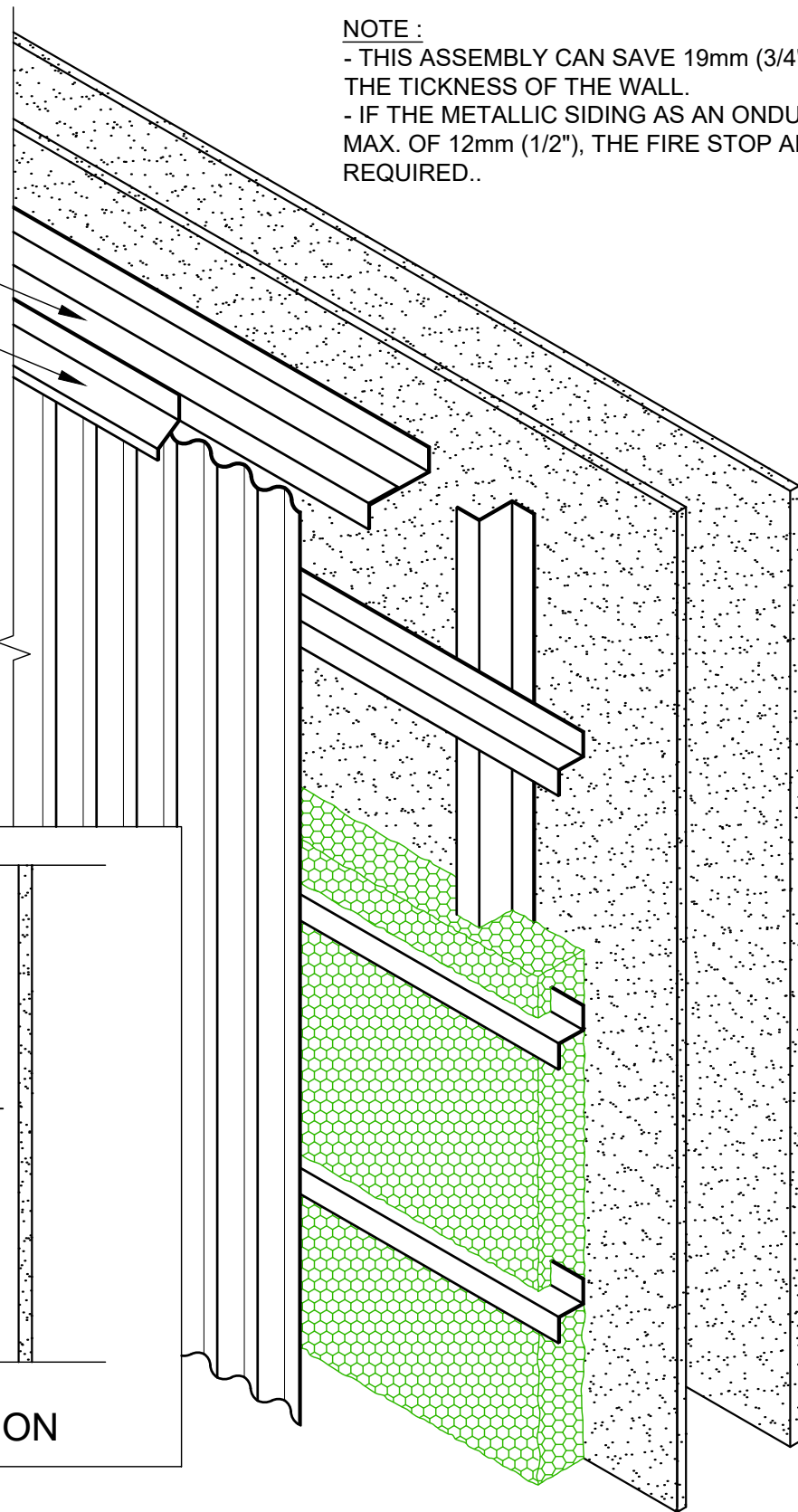
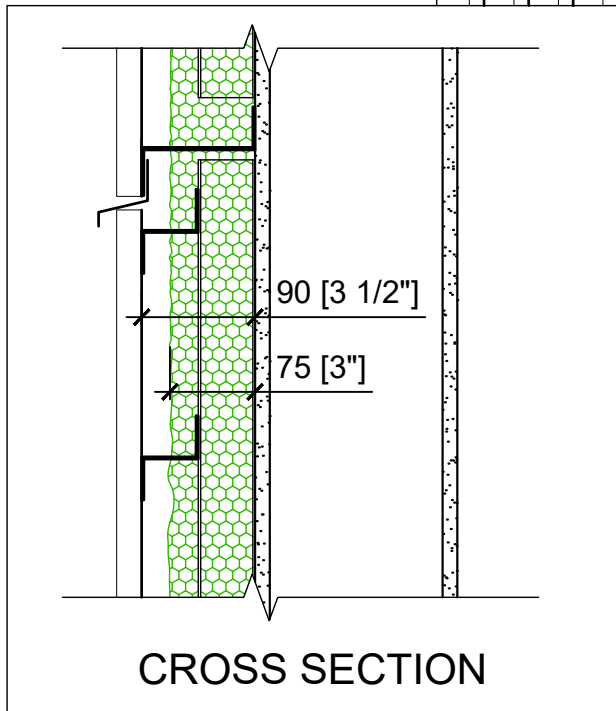
NOTE :
- THIS ASSEMBLY CAN SAVE 19mm (3/4") OF
THE TICKNESS OF THE WALL.
- IF THE METALLIC SIDING AS AN ONDULATION
MAX. OF 12mm (1/2"), THE FIRE STOP ARE NOT
REQUIRED..

FIRE STOP

FLASHING

NOTE :
STOP THE EXTERIOR SIDING
AT EACH FIRE STOP TO LET
THE FLASHING OUT

THE FIRE STOP CAN BE
ALIGNED WITH THE WINDOW
PANEL.



DOUBLE Z BARS-
VERTICAL SIDING

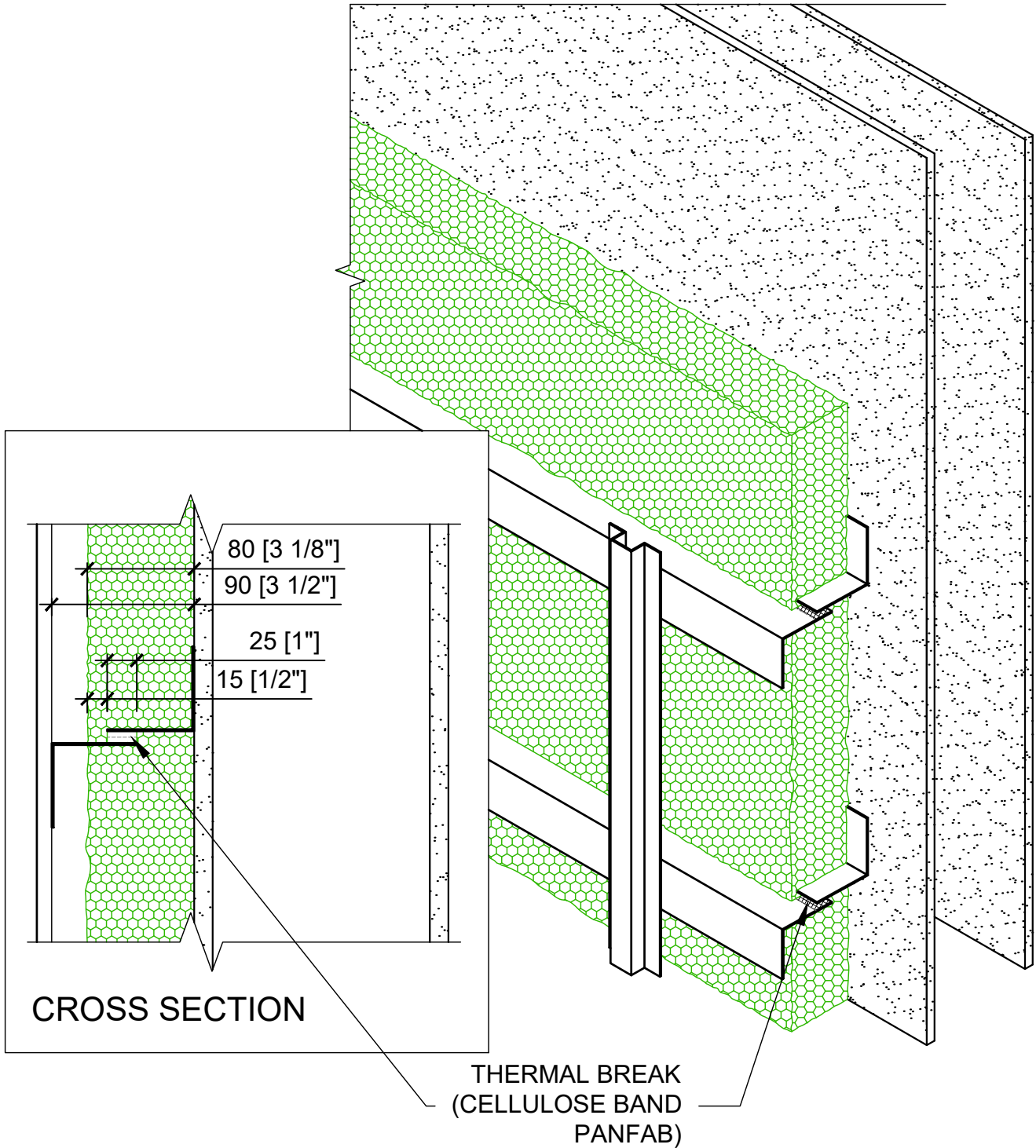
HUNTSMAN
BUILDING SOLUTIONS
1-888-783-0751 www.huntsmanbuildingsolutions.com

STEEL STUD WALL

SCALE: 1:10

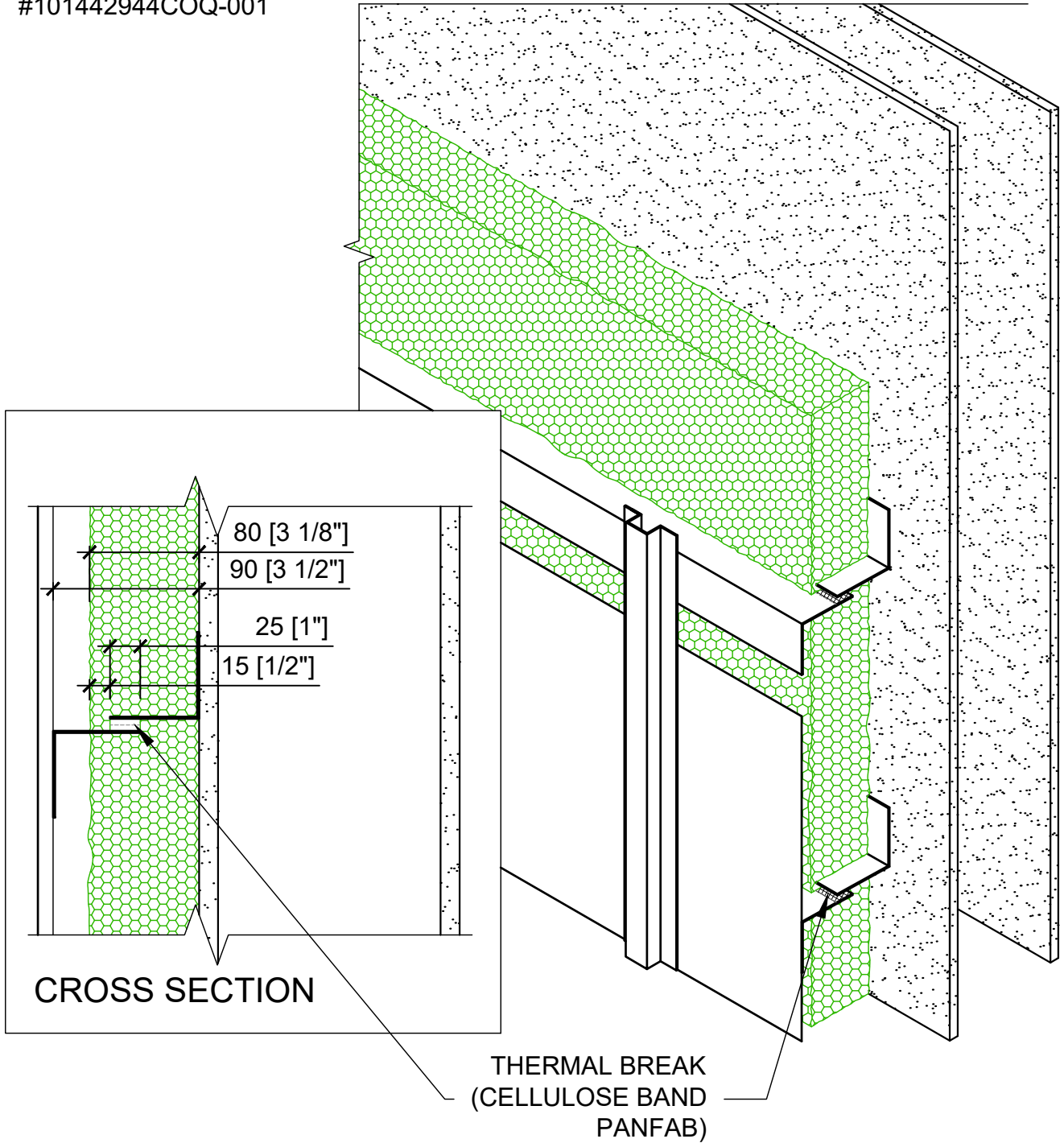
Page 46

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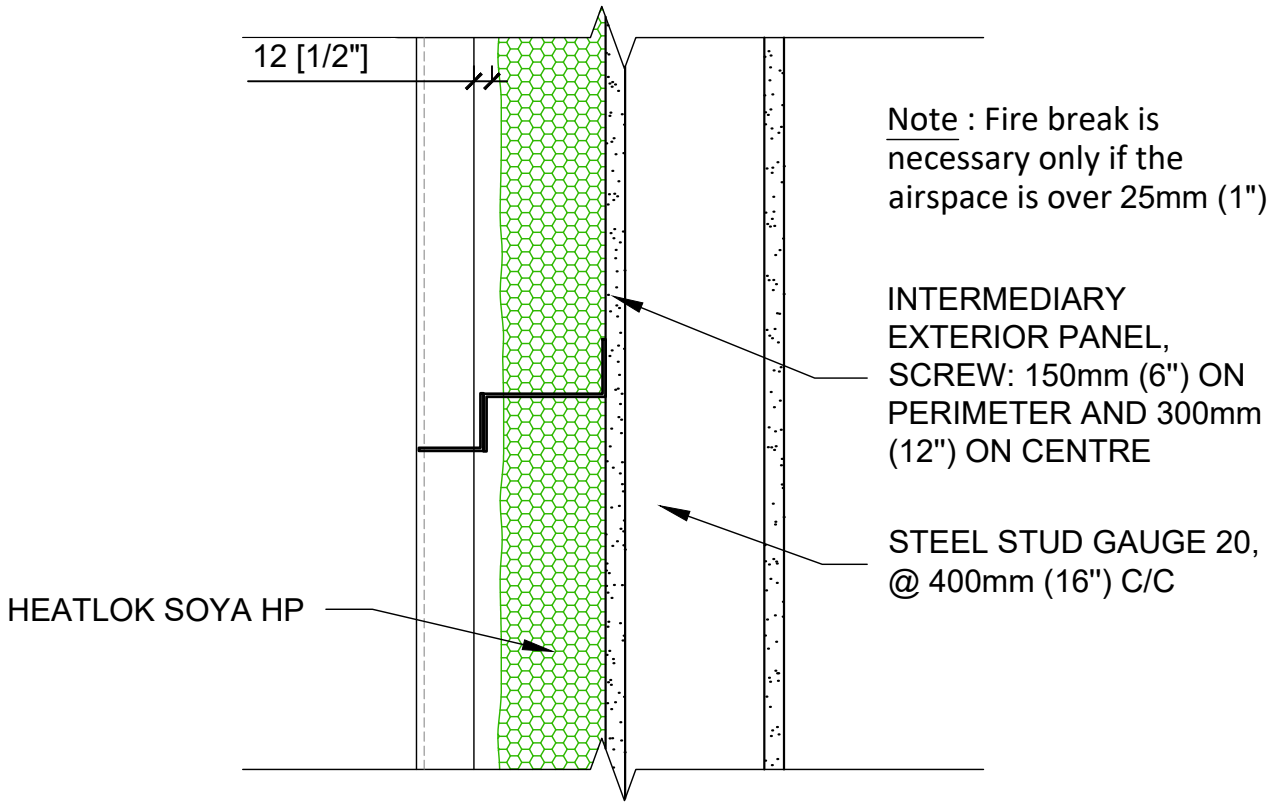


THERMAL BREAK

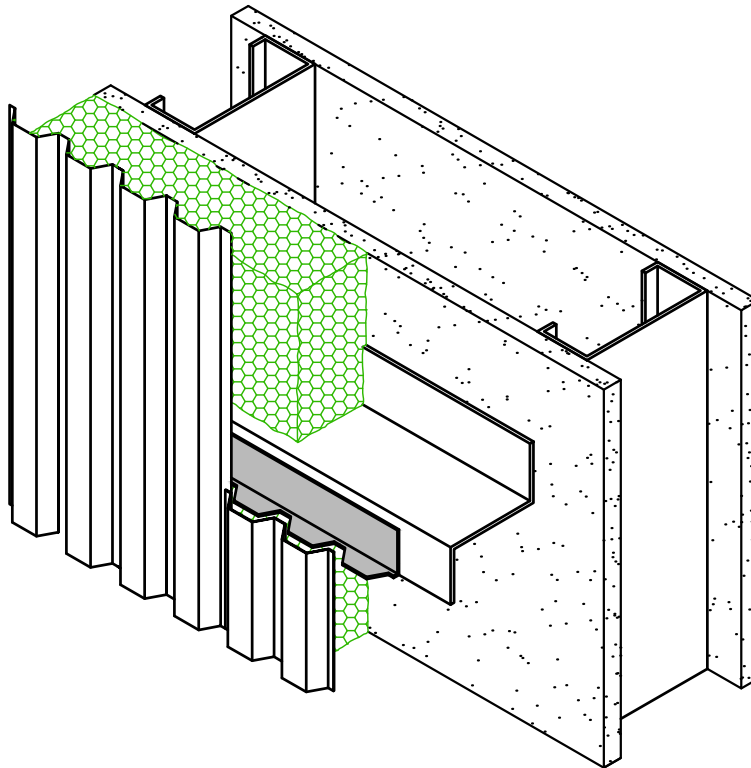
CONFORMITY WITH 3.2.3.8. ARTICLE
INTERTEK TEST REPORT
#101442944COQ-001



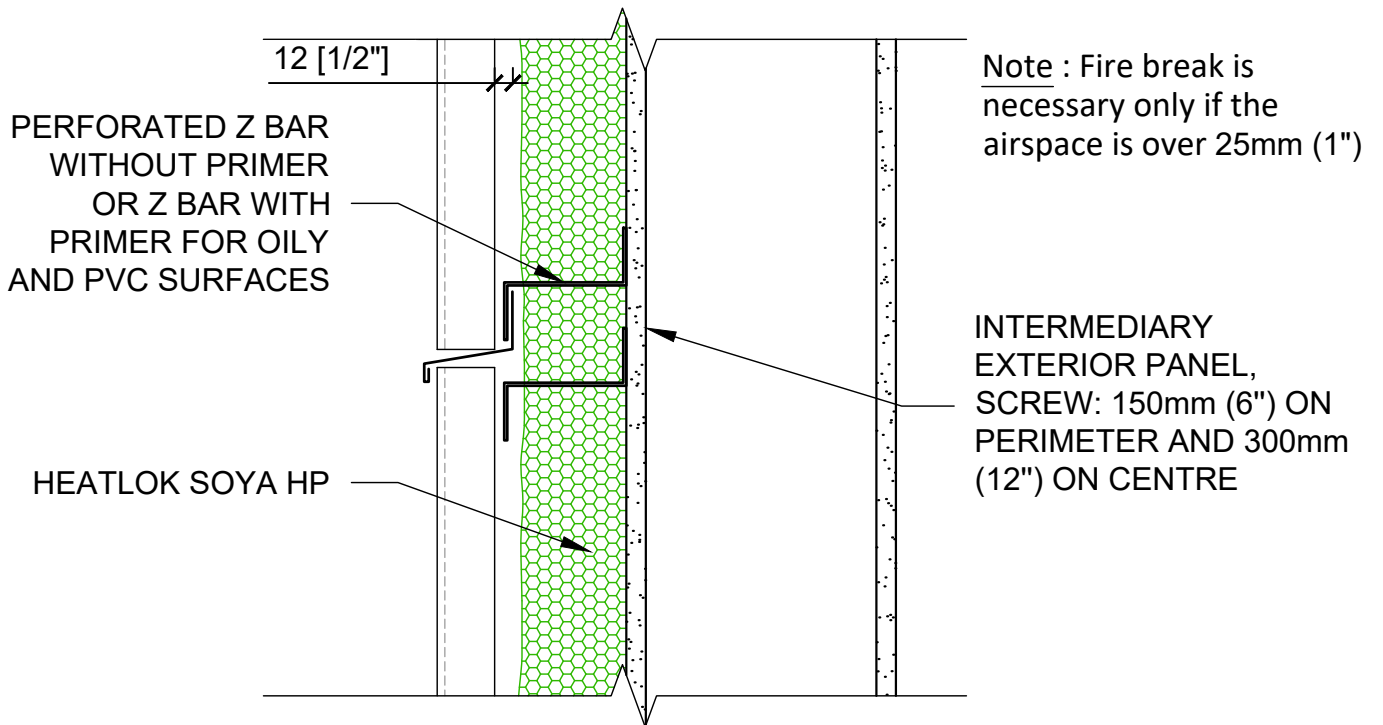
3.2.3.8. BULDINGS OF MORE THAN 3 STORIES (NBC 3.2.3.8.)



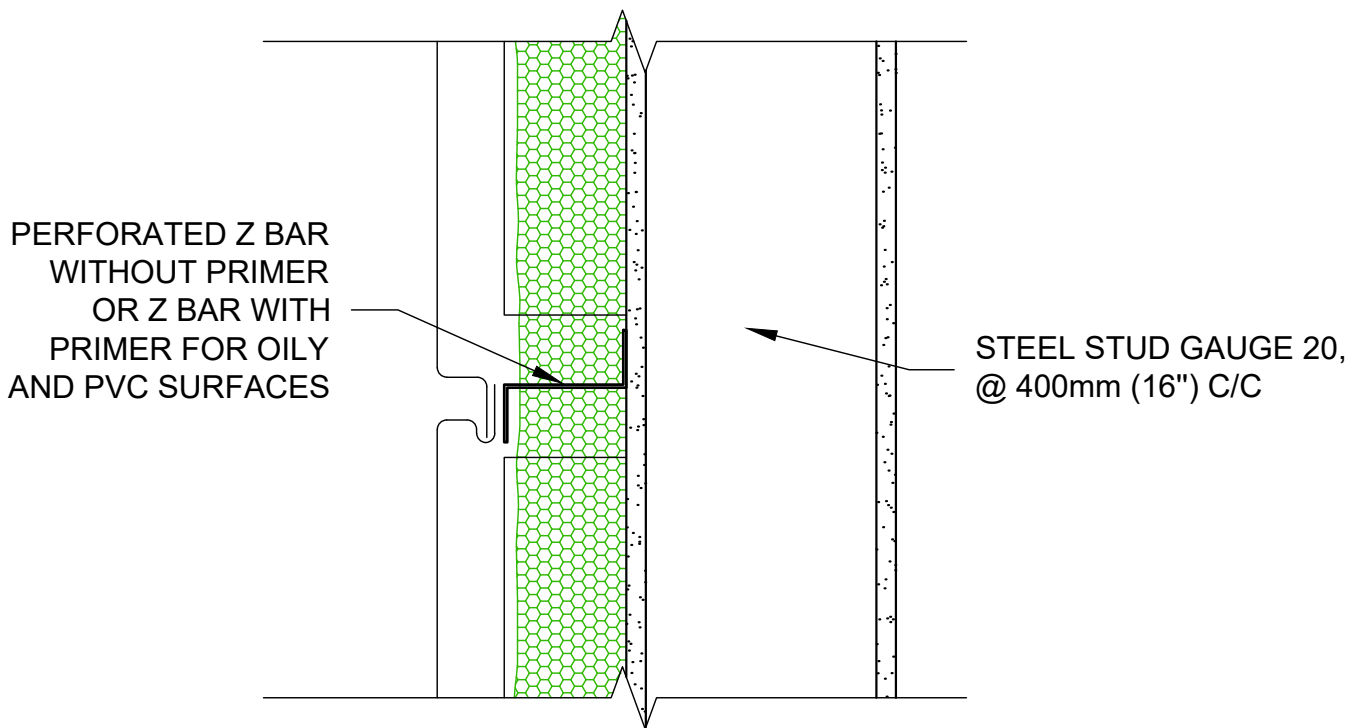
CROSS SECTION : HORIZONTAL FIRE STOP



FIRE STOP DETAIL



CROSS SECTION : HORIZONTAL FIRE STOP

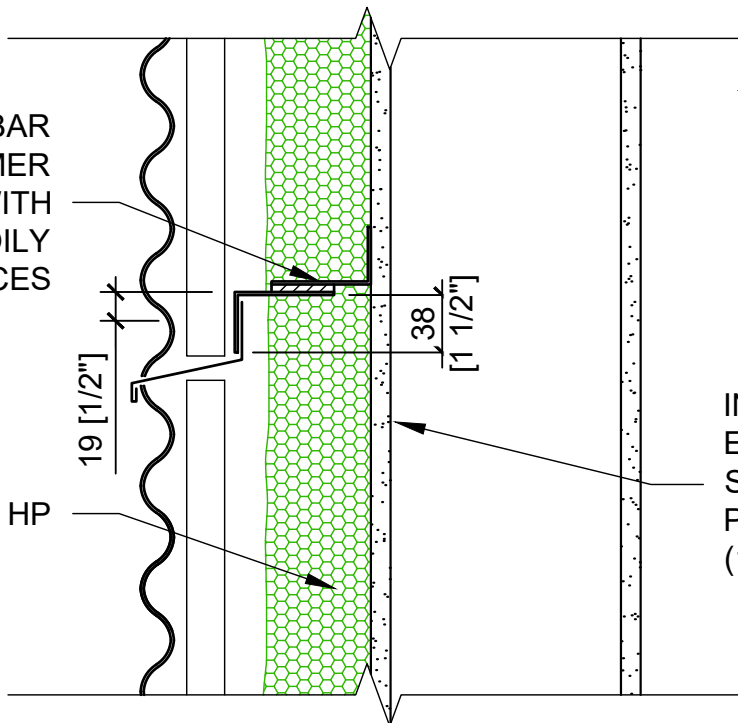


PLAN : VERTICAL FIRE STOP

FIRE STOP DETAIL

PERFORATED Z BAR
WITHOUT PRIMER
OR Z BAR WITH
PRIMER FOR OILY
AND PVC SURFACES

HEATLOK SOYA HP

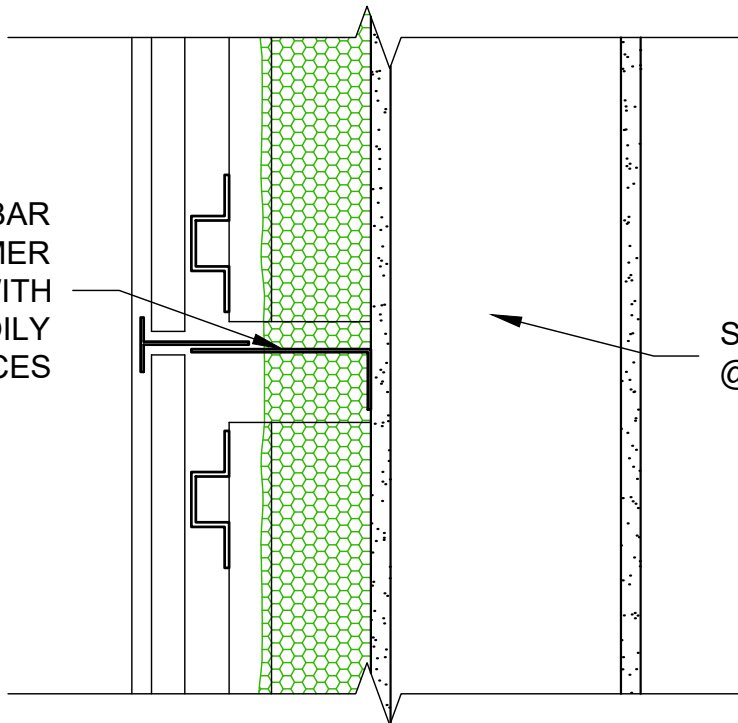


Note : Fire break is
necessary only if the
airspace is over 25mm (1")

INTERMEDIARY
EXTERIOR PANEL,
SCREW: 150mm (6") ON
PERIMETER AND 300mm
(12") ON CENTRE

CROSS SECTION : HORIZONTAL FIRE STOP - HORIZONTAL SIDING

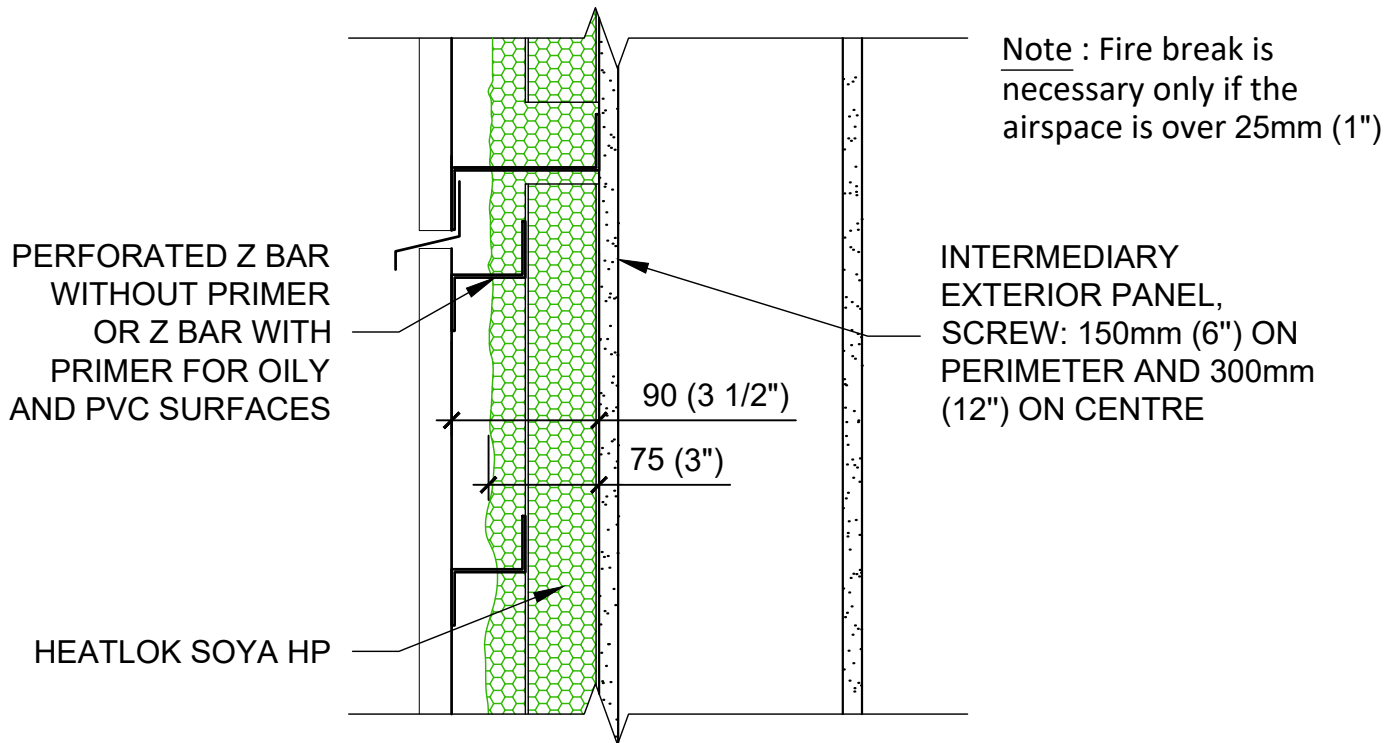
PERFORATED Z BAR
WITHOUT PRIMER
OR Z BAR WITH
PRIMER FOR OILY
AND PVC SURFACES



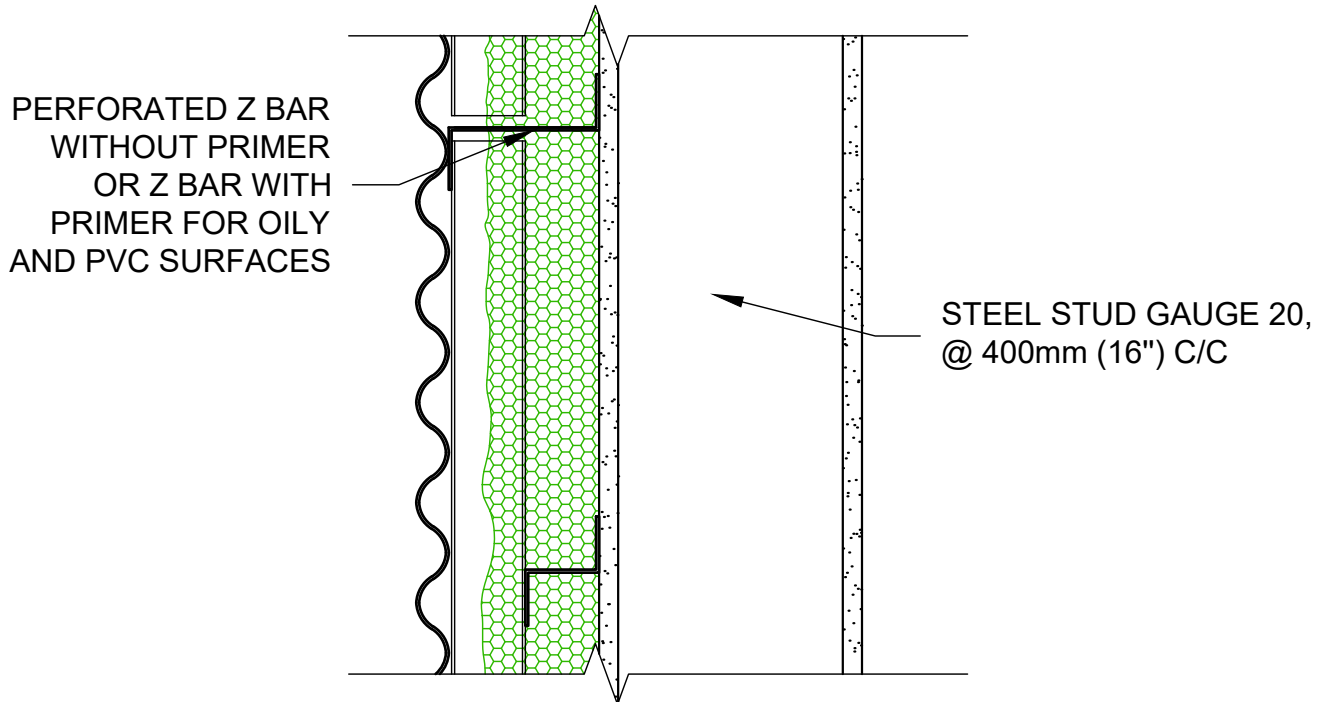
STEEL STUD GAUGE 20,
@ 400mm (16") C/C

PLAN : VERTICAL FIRE STOP - HORIZONTAL SIDING

FIRE STOP DETAIL



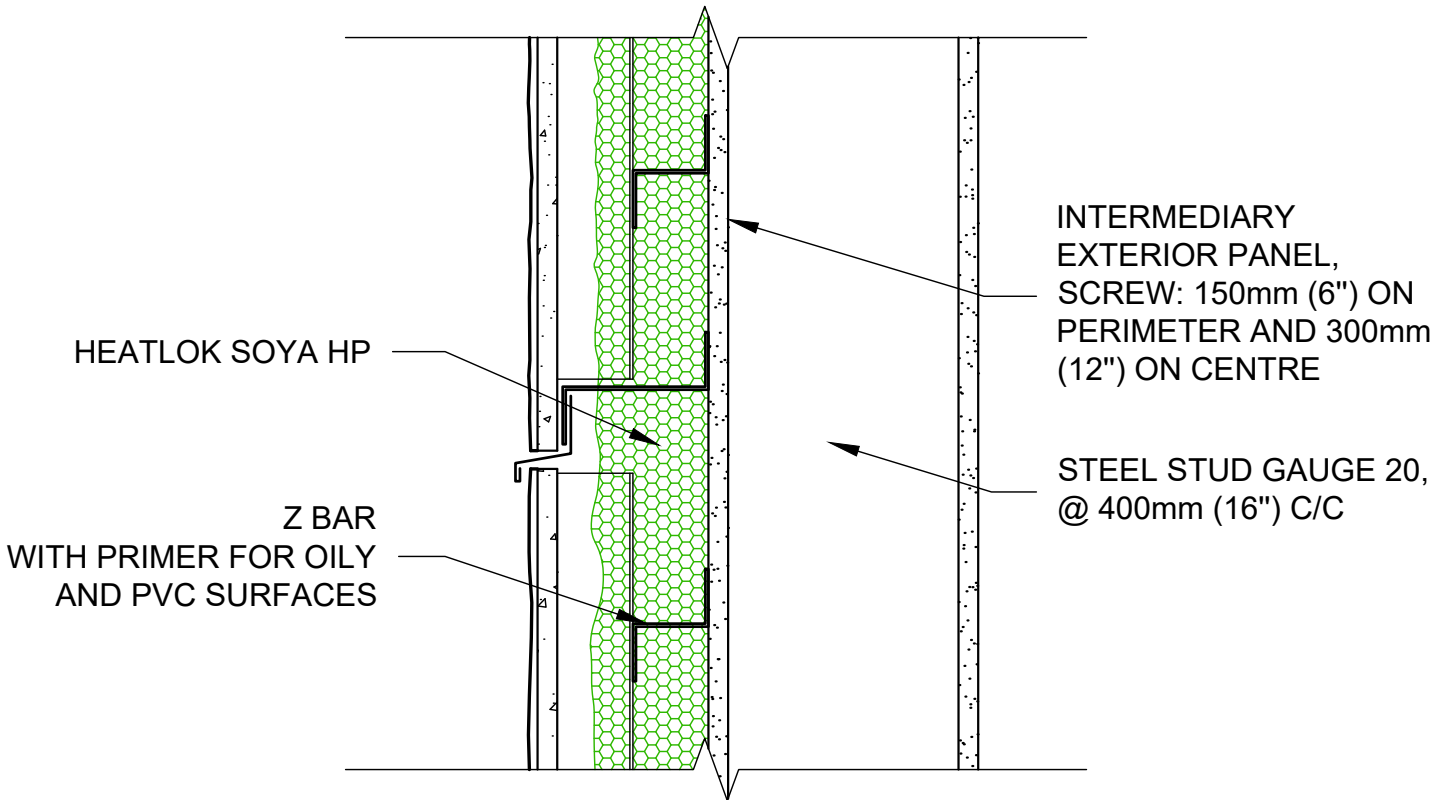
CROSS SECTION : HORIZONTAL FIRE STOP - VERTICAL SIDING



PLAN : VERTICAL FIRE STOP - VERTICAL SIDING

FIRE STOP DETAIL

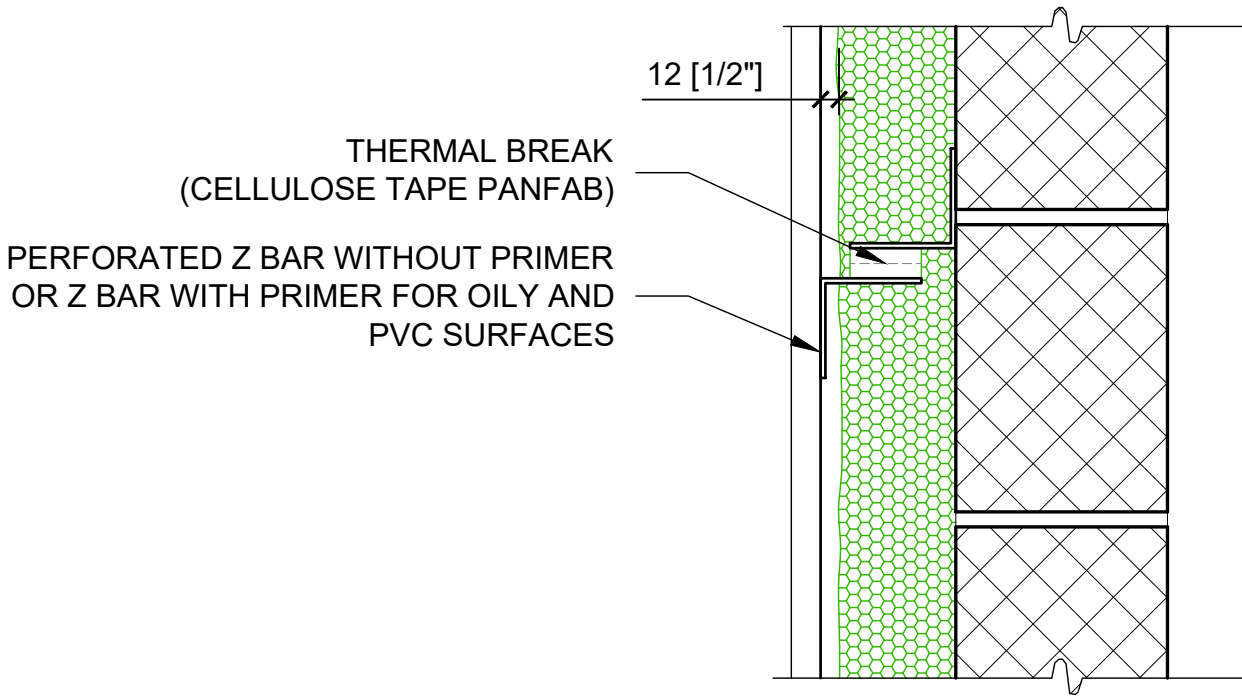
Note : Fire break is necessary only if the airspace is over 25mm (1")



NOTE : All sprayed membrane must be installed before the installation of the "z" bars.

SEE 3D

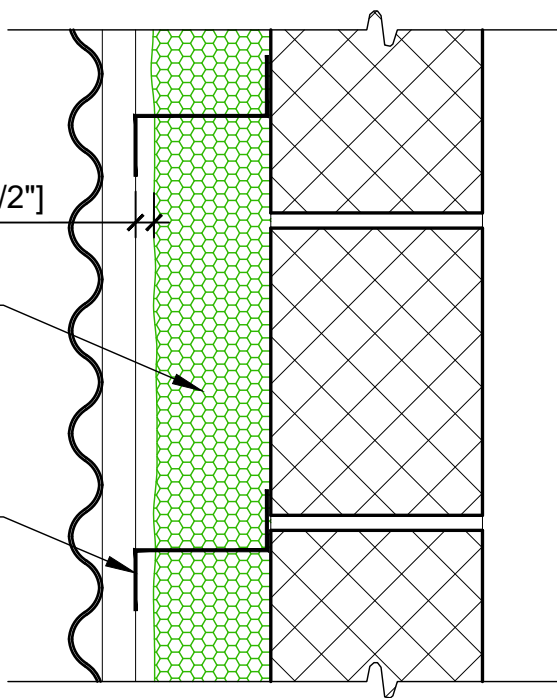
DOUBLE Z-BAR



THERMAL BREAK
(CELLULOSE TAPE PANFAB)

PERFORATED Z BAR WITHOUT PRIMER
OR Z BAR WITH PRIMER FOR OILY AND
PVC SURFACES

12 [1/2"]



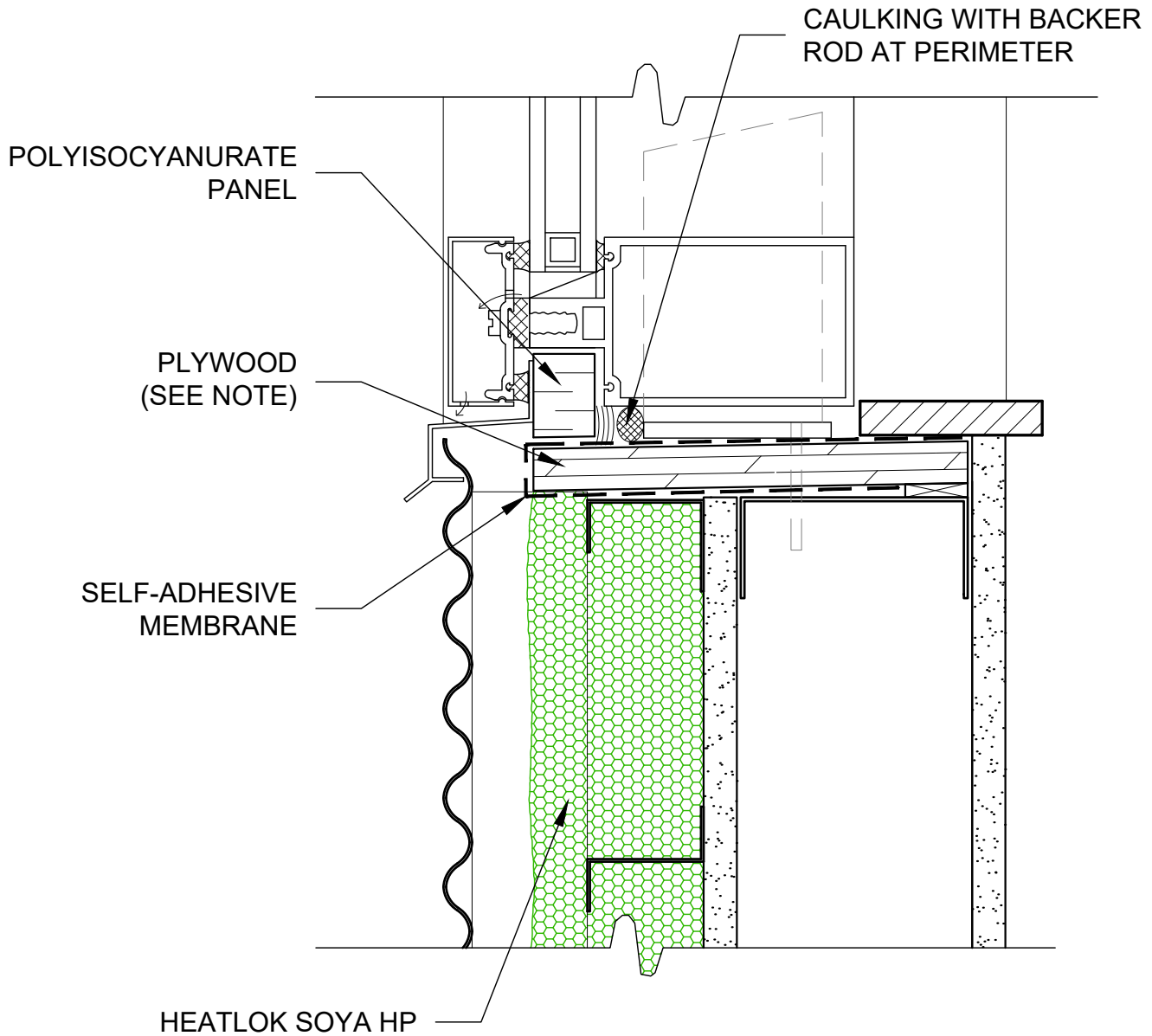
HEATLOK SOYA HP

PERFORATED Z BAR WITHOUT PRIMER
OR Z BAR WITH PRIMER FOR OILY AND
PVC SURFACES

12 [1/2"]

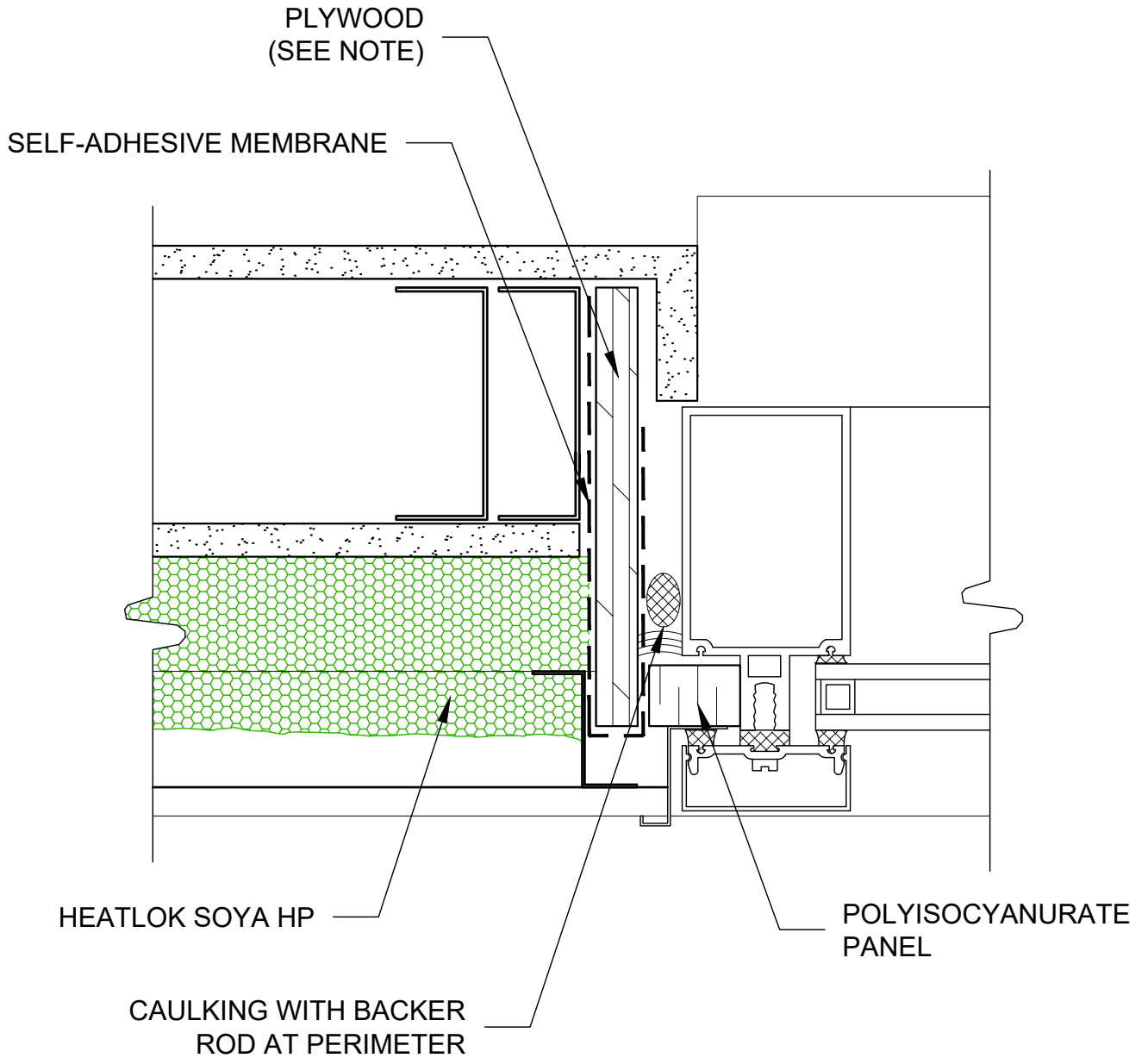
NOTE : All sprayed membrane must be installed before the installation of the "z" bars.

Z-BAR



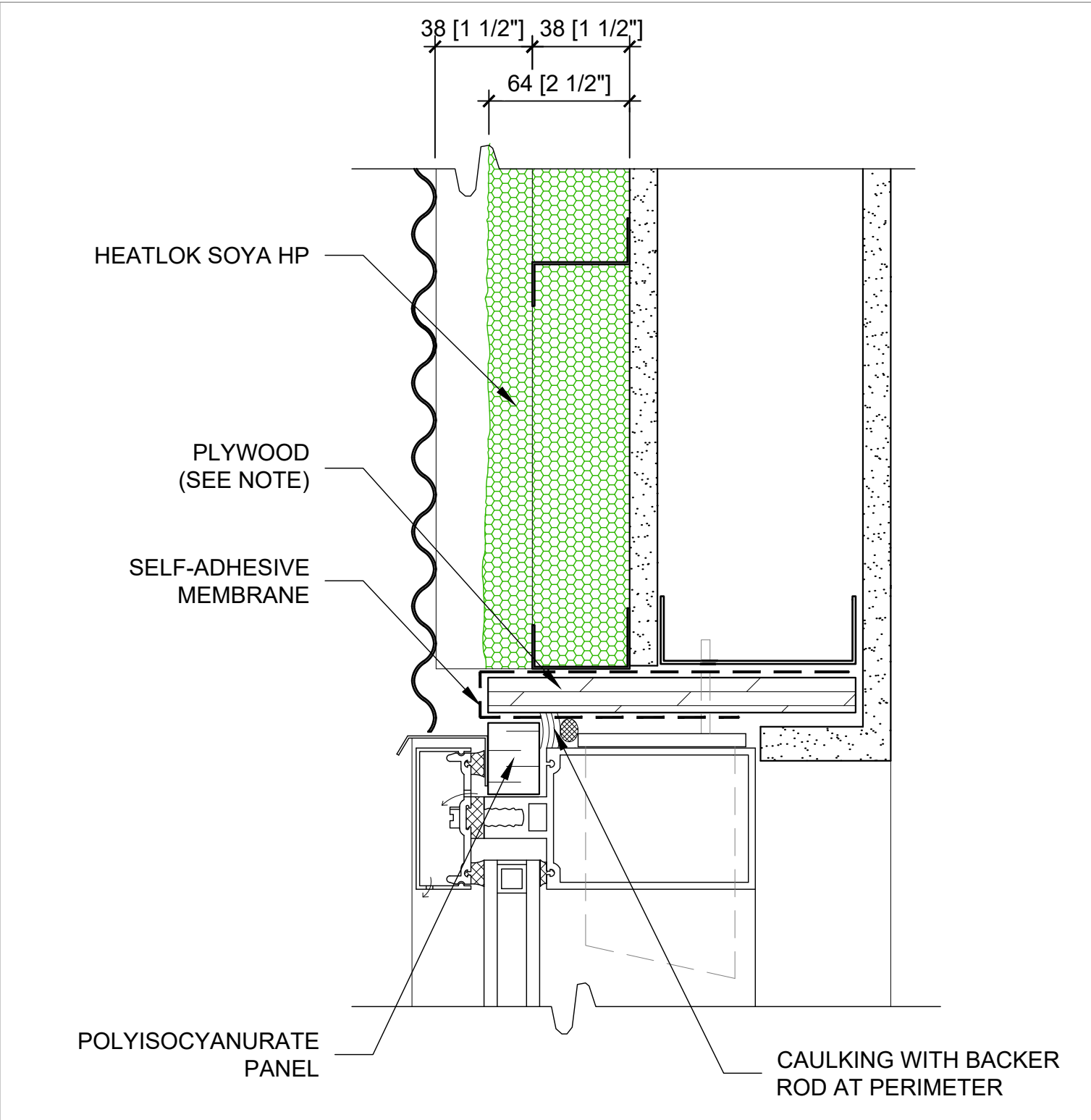
NOTE : Seal the plywood joints with membrane or with sealant

CURTAIN WALL SILL - SIDING



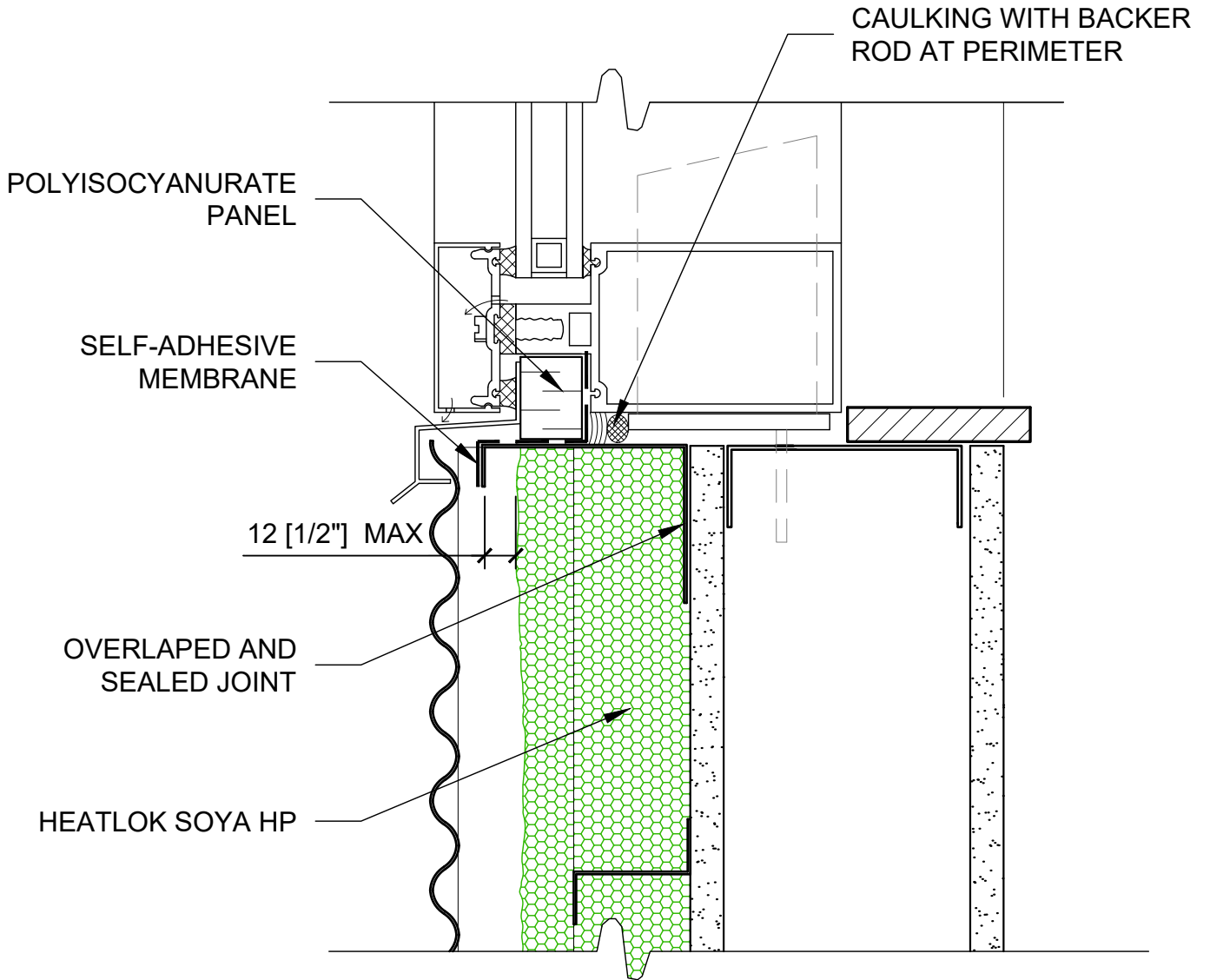
NOTE : Seal the plywood joints with membrane or with sealant

CURTAIN WALL JAMB - SIDING



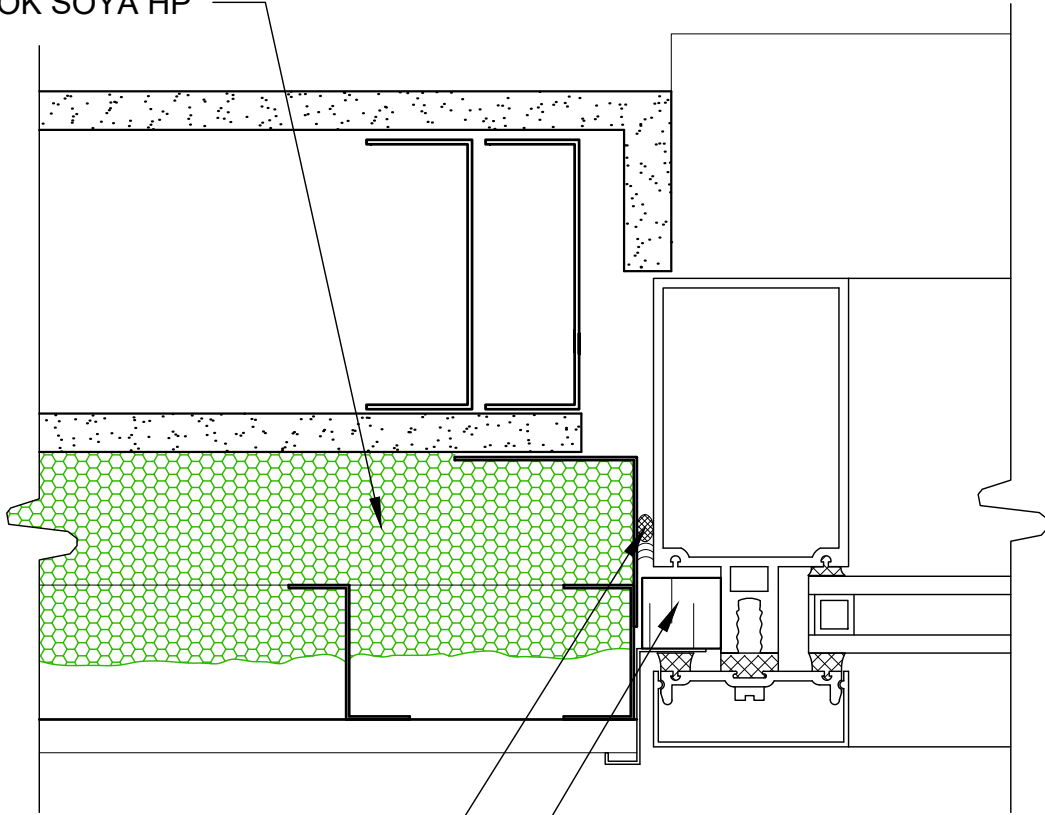
NOTE : Seal the plywood joints with membrane or with sealant

TOP OF CURTAIN WALL - SIDING



CURTAIN WALL SILL - SIDING

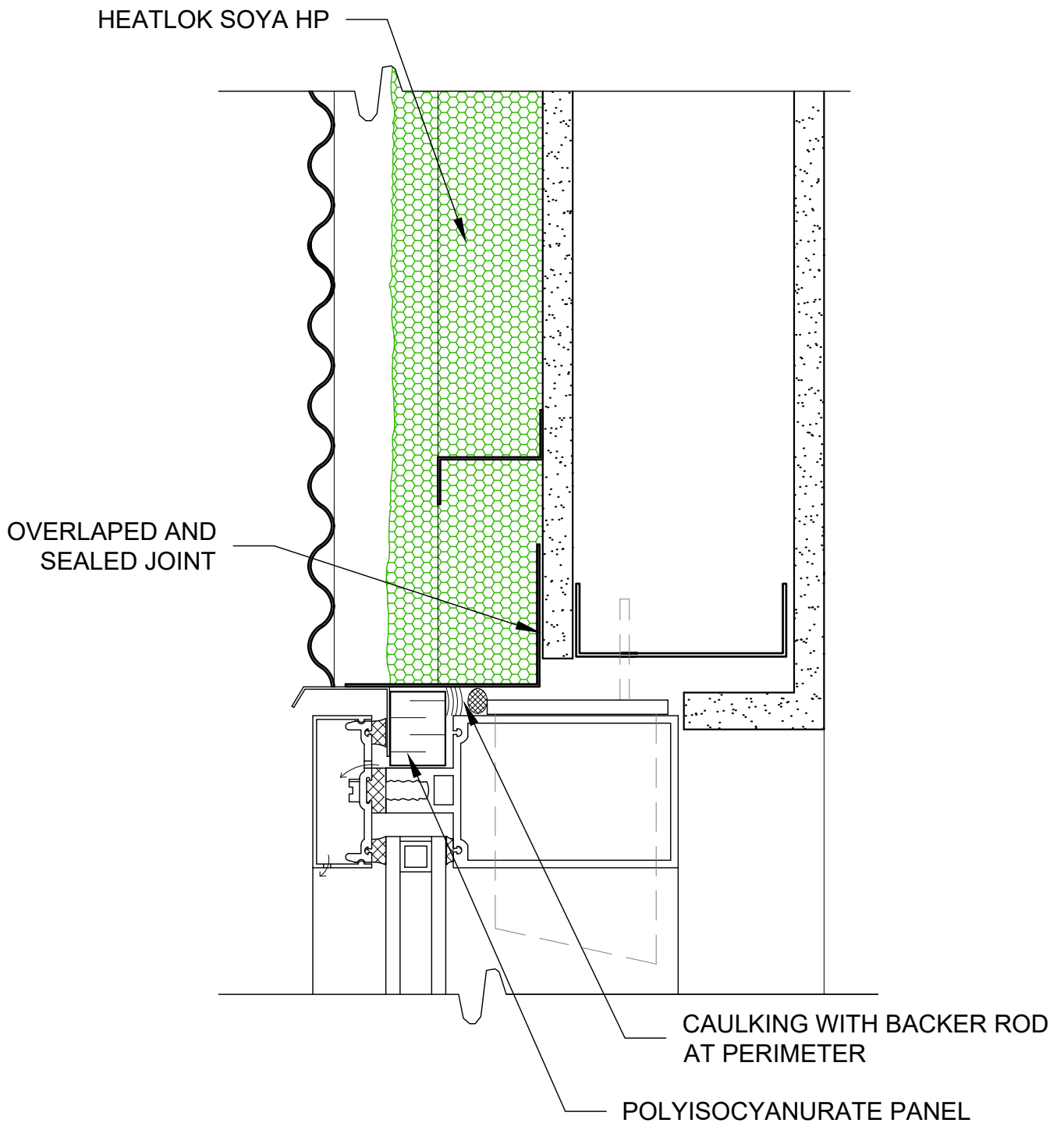
HEATLOK SOYA HP



CAULKING WITH BACKER
ROD AT PERIMETER

POLYISOCYANURATE PANEL

CURTAIN WALL JAMB - SIDING



OPTIONS

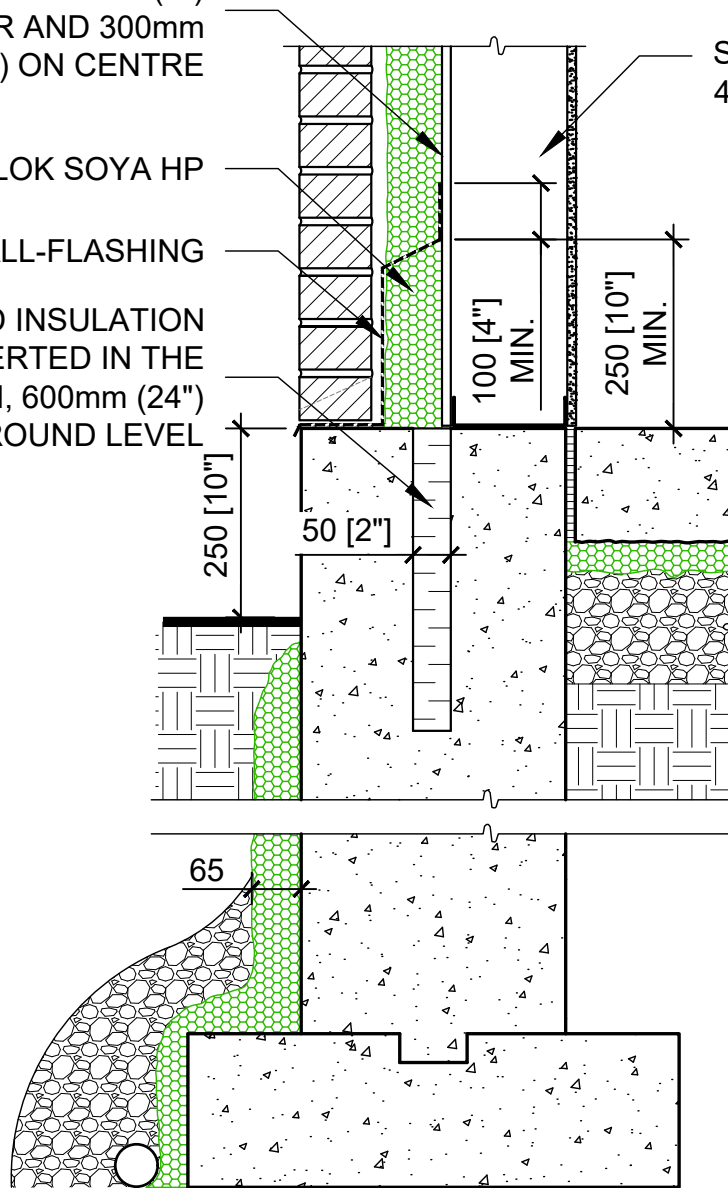
INTERMEDIARY EXTERIOR
PANEL, SCREW: 150mm (6")
ON PERIMETER AND 300mm
(12") ON CENTRE

HEATLOK SOYA HP

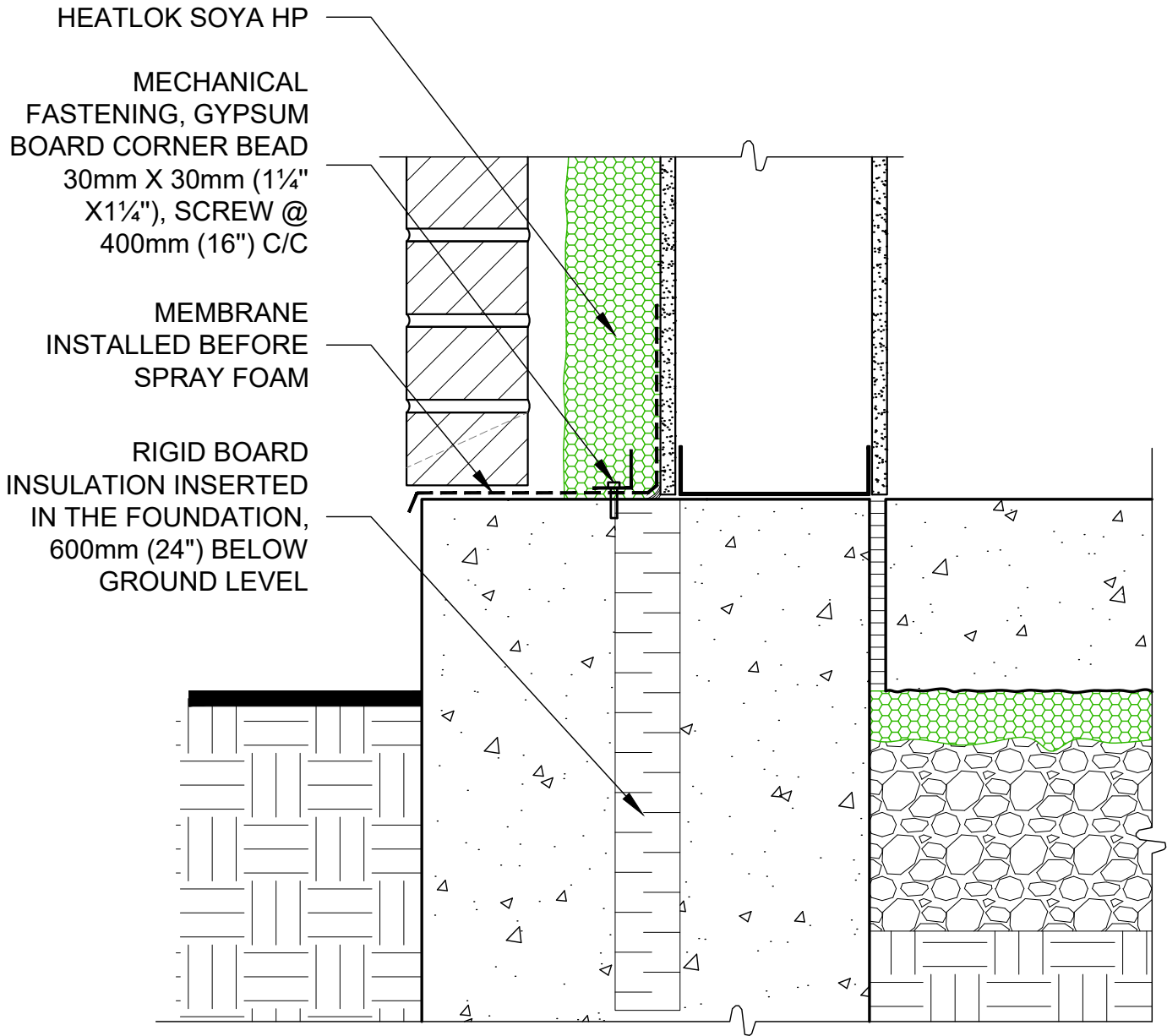
THRU-WALL-FLASHING

RIGID BOARD INSULATION
INSERTED IN THE
FOUNDATION, 600mm (24")
BELOW GROUND LEVEL

STEEL STUD GAUGE 20, @
400mm (16") C/C



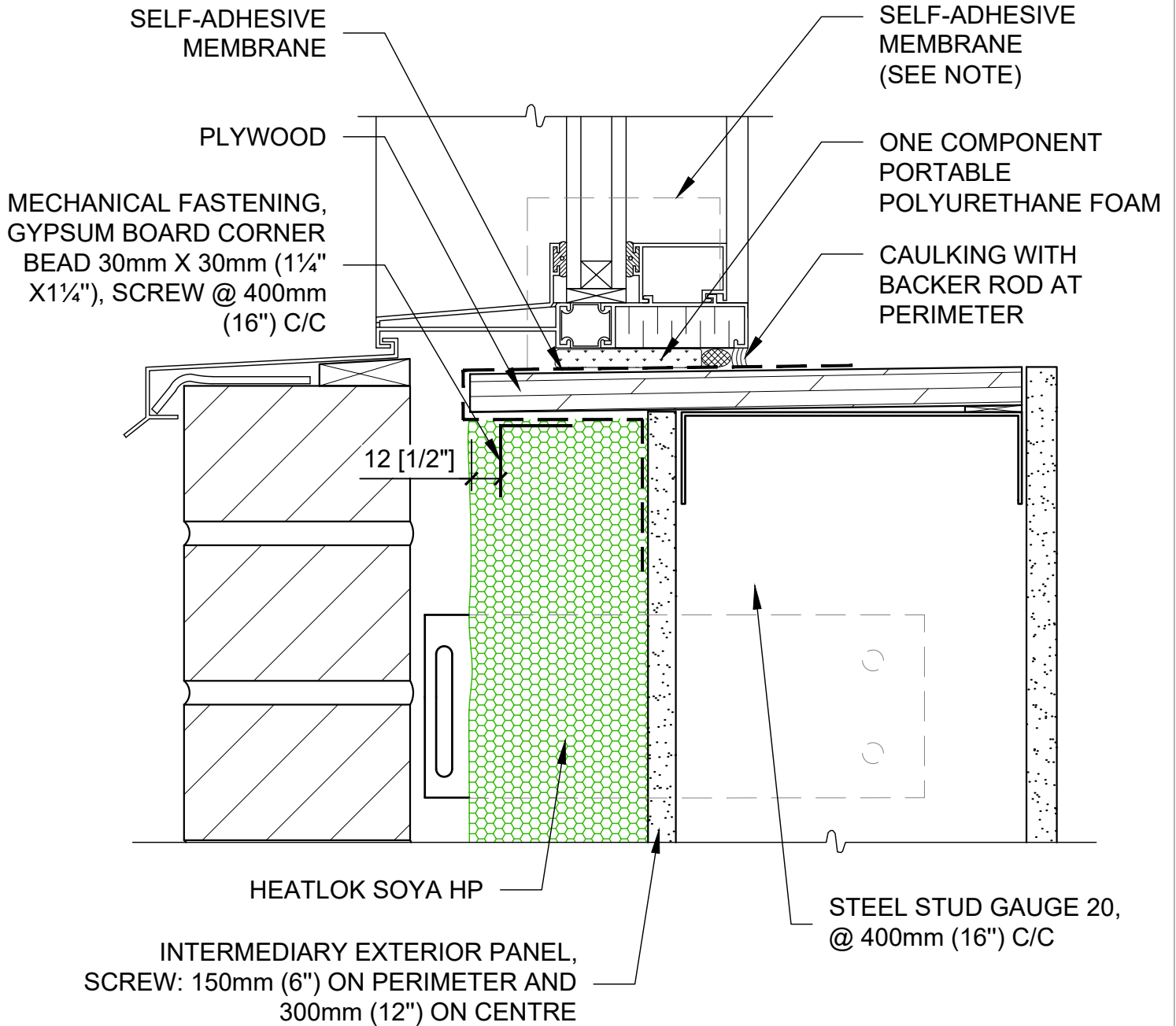
FLEXIBLE FLASHING MECHANICALLY FASTENED



SEE RECOMMENDED DETAILS : PAGE 4
PAGE 5

FLEXIBLE FLASHING MECHANICALLY FASTENED

OPTION

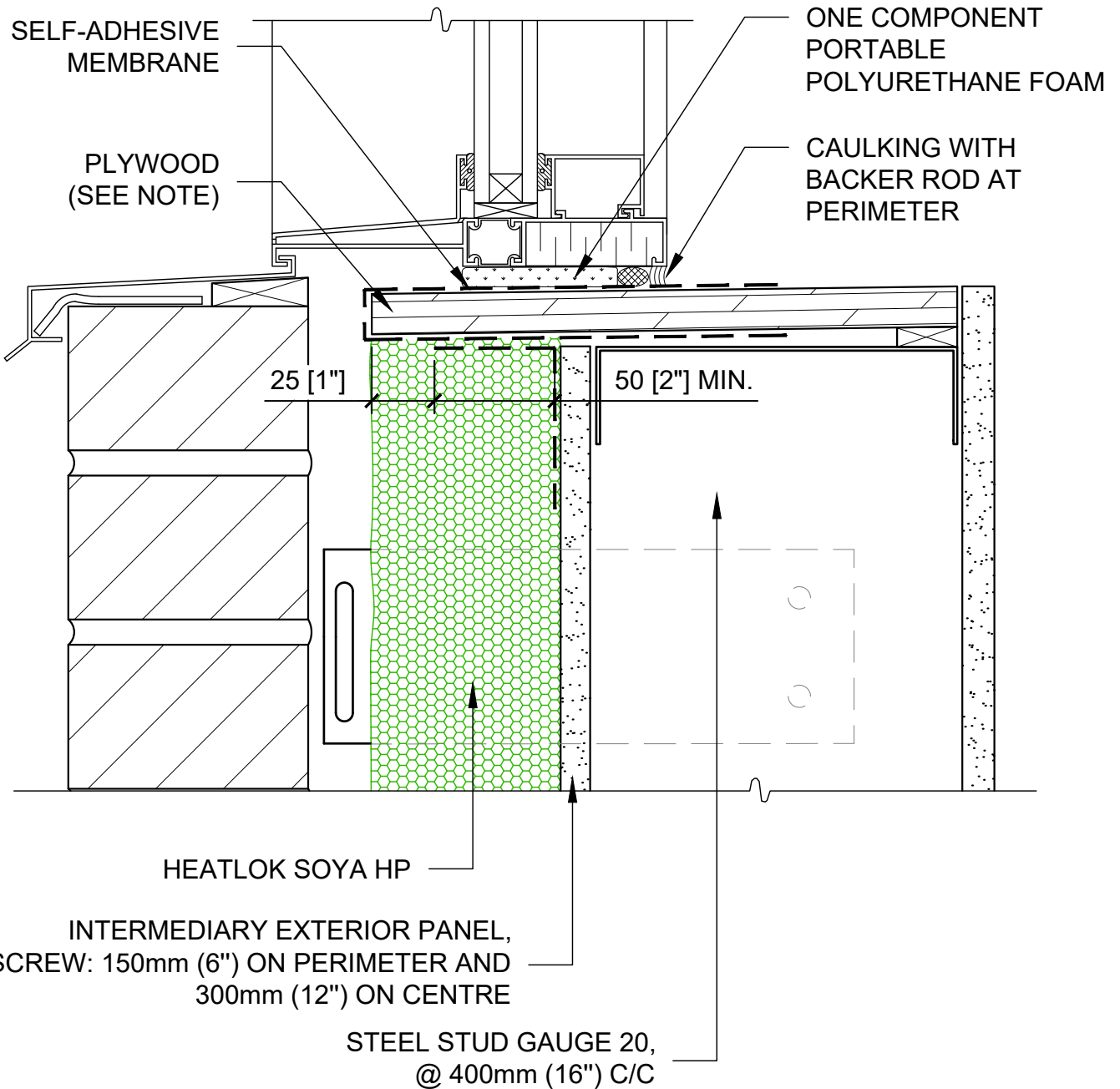


NOTE :

- Rise the self-adhesive membrane 75mm (3") on the jamb
- Window rough opening sill same depth as spray polyurethane foam thickness

SEE RECOMMENDED DETAILS : PAGE 6

WINDOW SILL



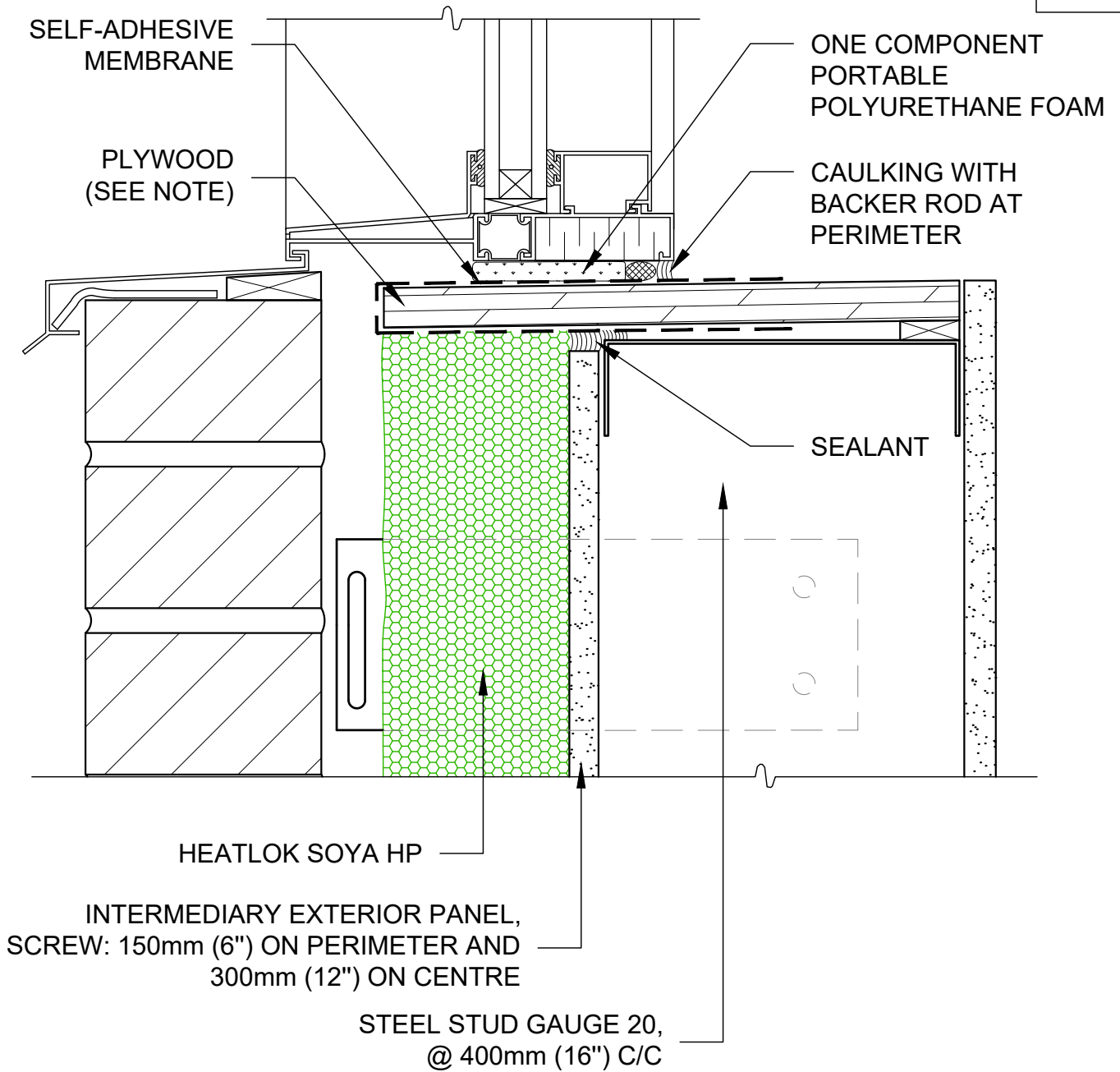
NOTE :

- Seal the plywood joints with membrane or with sealant
- Window rough opening sill same depth as spray polyurethane foam thickness

SEE RECOMMENDED DETAILS : PAGE 6

WINDOW SILL

OPTION

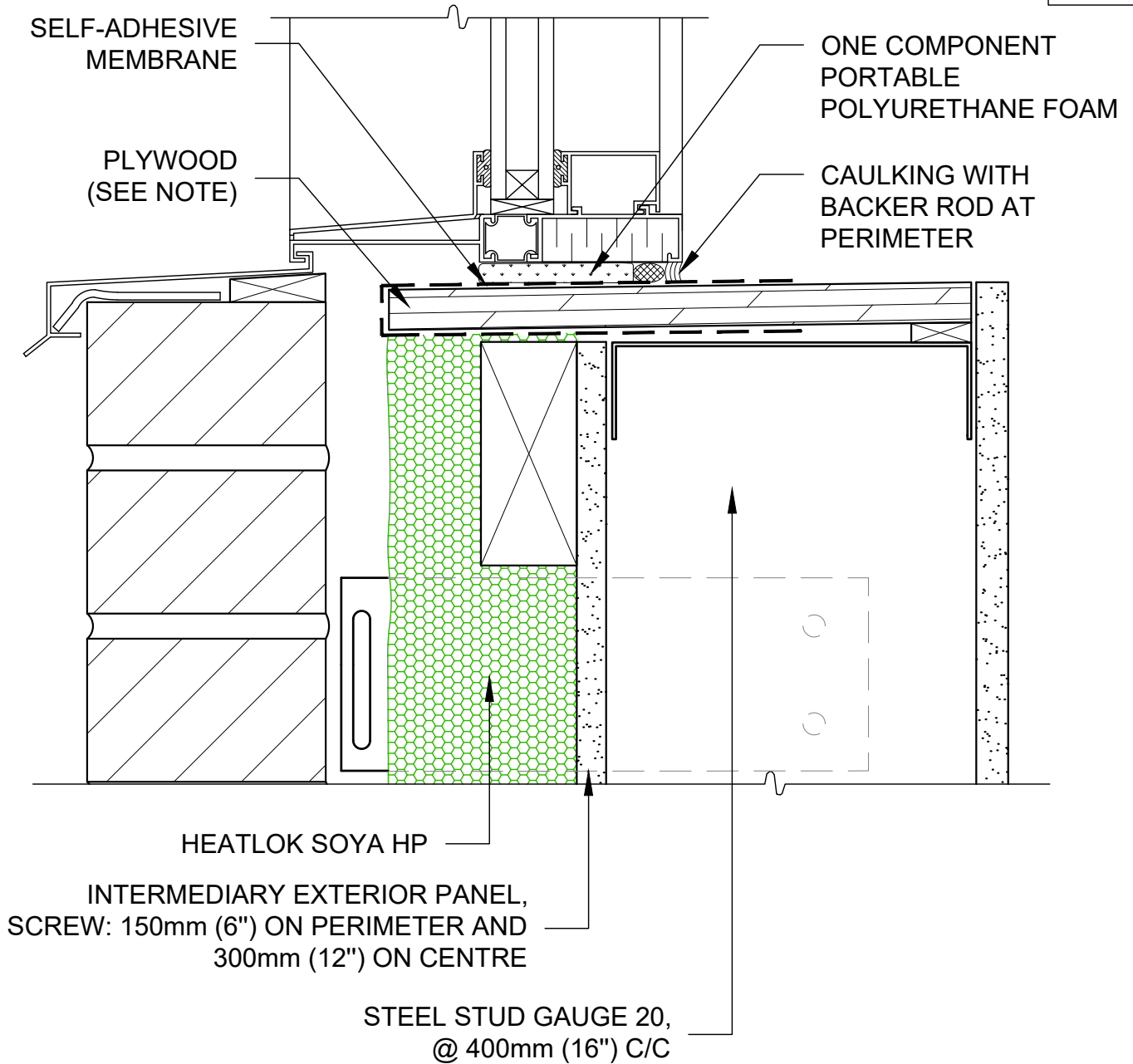


NOTE :

- Seal the plywood joints with membrane or with sealant
- Window rough opening sill same depth as spray polyurethane foam thickness

SEE RECOMMENDED DETAILS : PAGE 6

WINDOW SILL



NOTE :

- Seal the plywood joints with membrane or with sealant
- Window rough opening sill same depth as spray polyurethane foam thickness

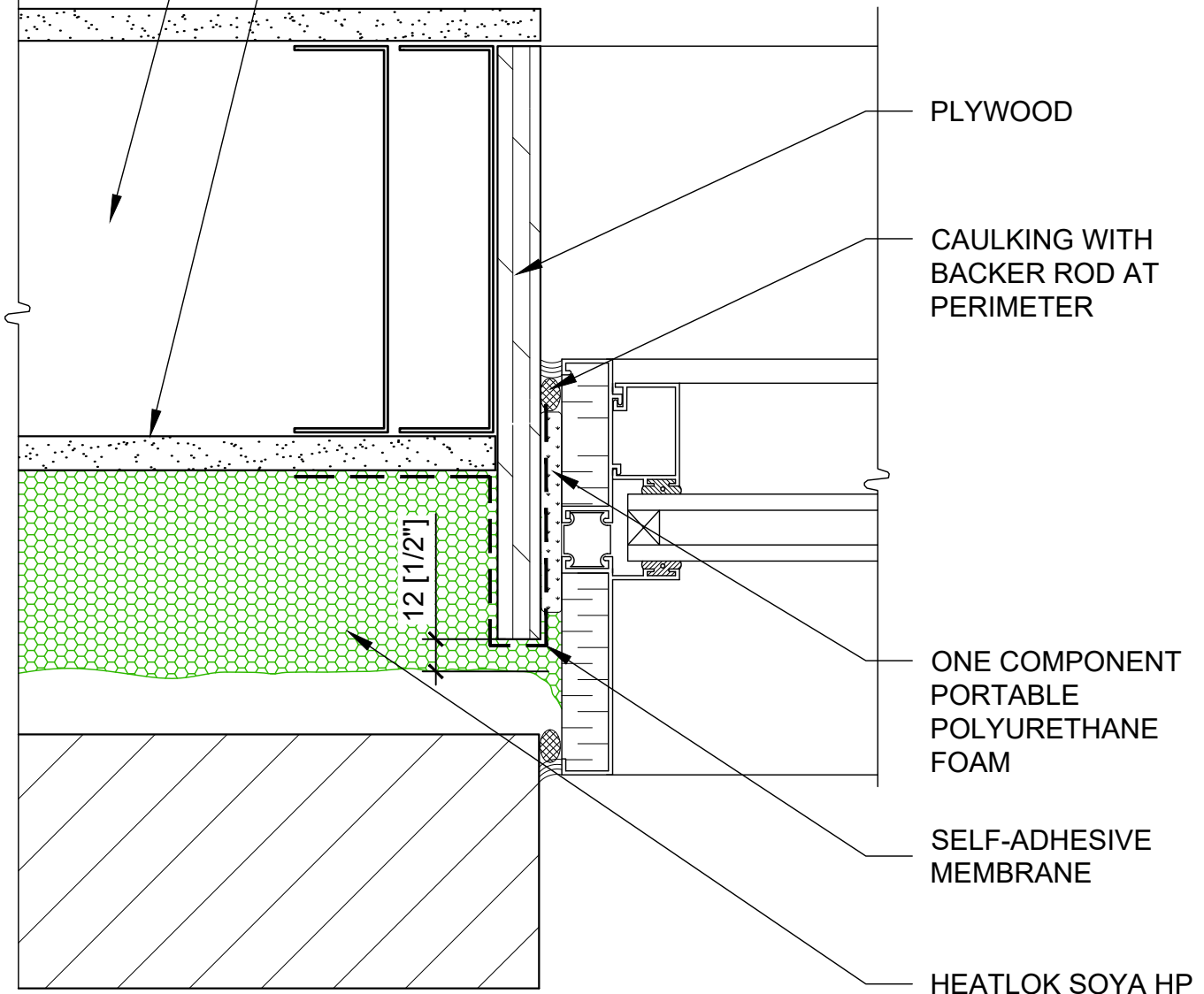
SEE RECOMMENDED DETAILS : PAGE 6

WINDOW SILL

OPTION

STEEL STUD GAUGE 20, @ 400mm (16") C/C

INTERMEDIARY EXTERIOR PANEL, SCREW: 150mm (6")
ON PERIMETER AND 300mm (12") ON CENTRE



PLYWOOD

CAULKING WITH
BACKER ROD AT
PERIMETER

ONE COMPONENT
PORTABLE
POLYURETHANE
FOAM

SELF-ADHESIVE
MEMBRANE

HEATLOK SOYA HP

NOTE :

- Thru-wall flashing exceed 200mm (8") both sides of the opening
- Window rough opening head and jamb 12 mm (1/2") shorter than spray polyurethane foam thickness
- Rise the self-adhesive membrane 75mm (3") on the jamb

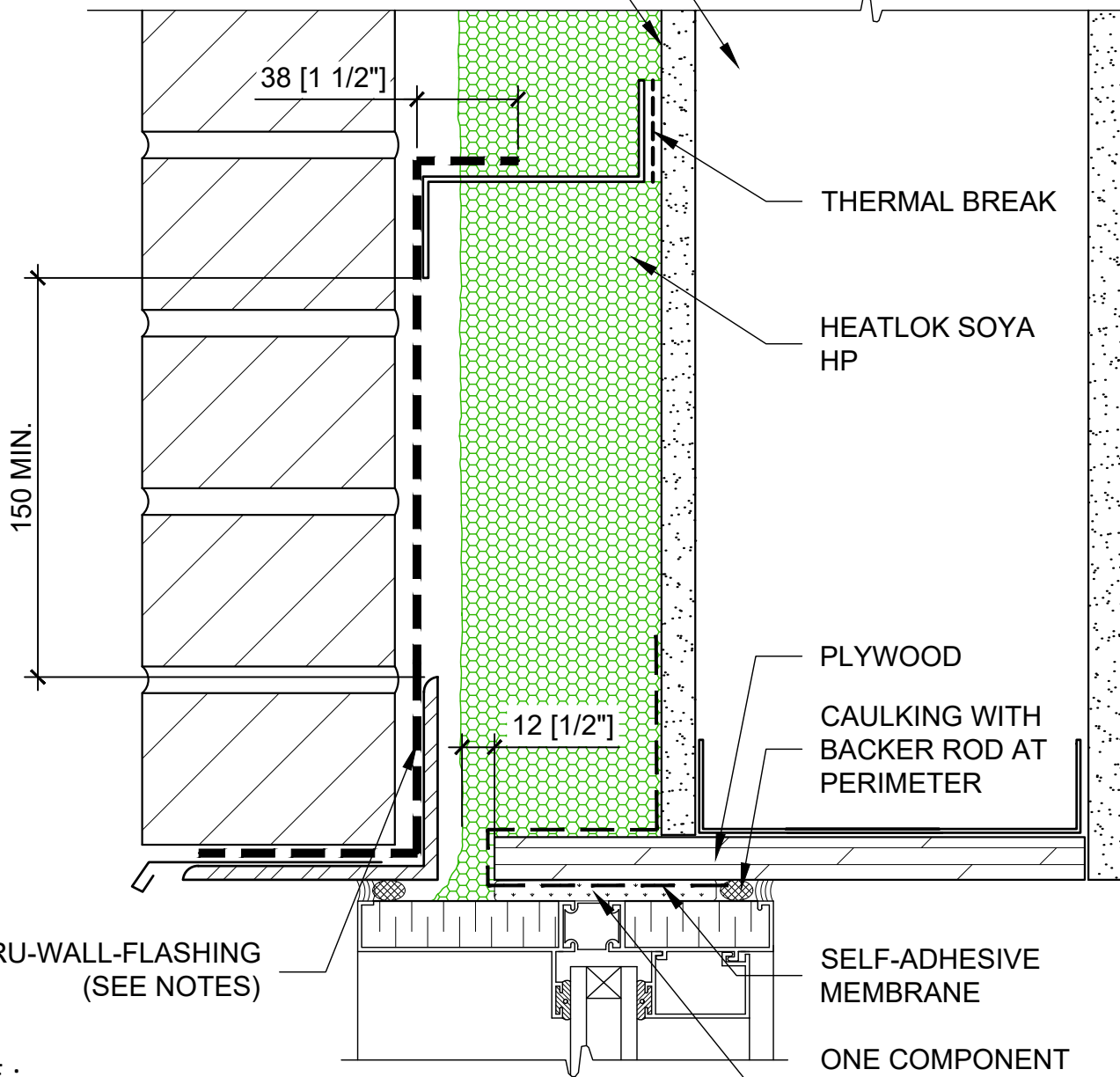
SEE RECOMMENDED DETAILS : PAGE 7

WINDOW JAMB

INTERMEDIARY EXTERIOR PANEL,
SCREW: 150mm (6") ON PERIMETER
AND 300mm (12") ON CENTRE

STEEL STUD GAUGE 20,
@ 400mm (16") C/C

OPTION



NOTE :

- Thru-wall flashing exceed 200mm (8") both sides of the opening
- Window rough opening head and jamb 12 mm (1/2") shorter than spray polyurethane foam thickness
- Rise the self-adhesive membrane 75mm (3") on the jamb

SEE RECOMMENDED DETAILS : PAGE 8
PAGE 9

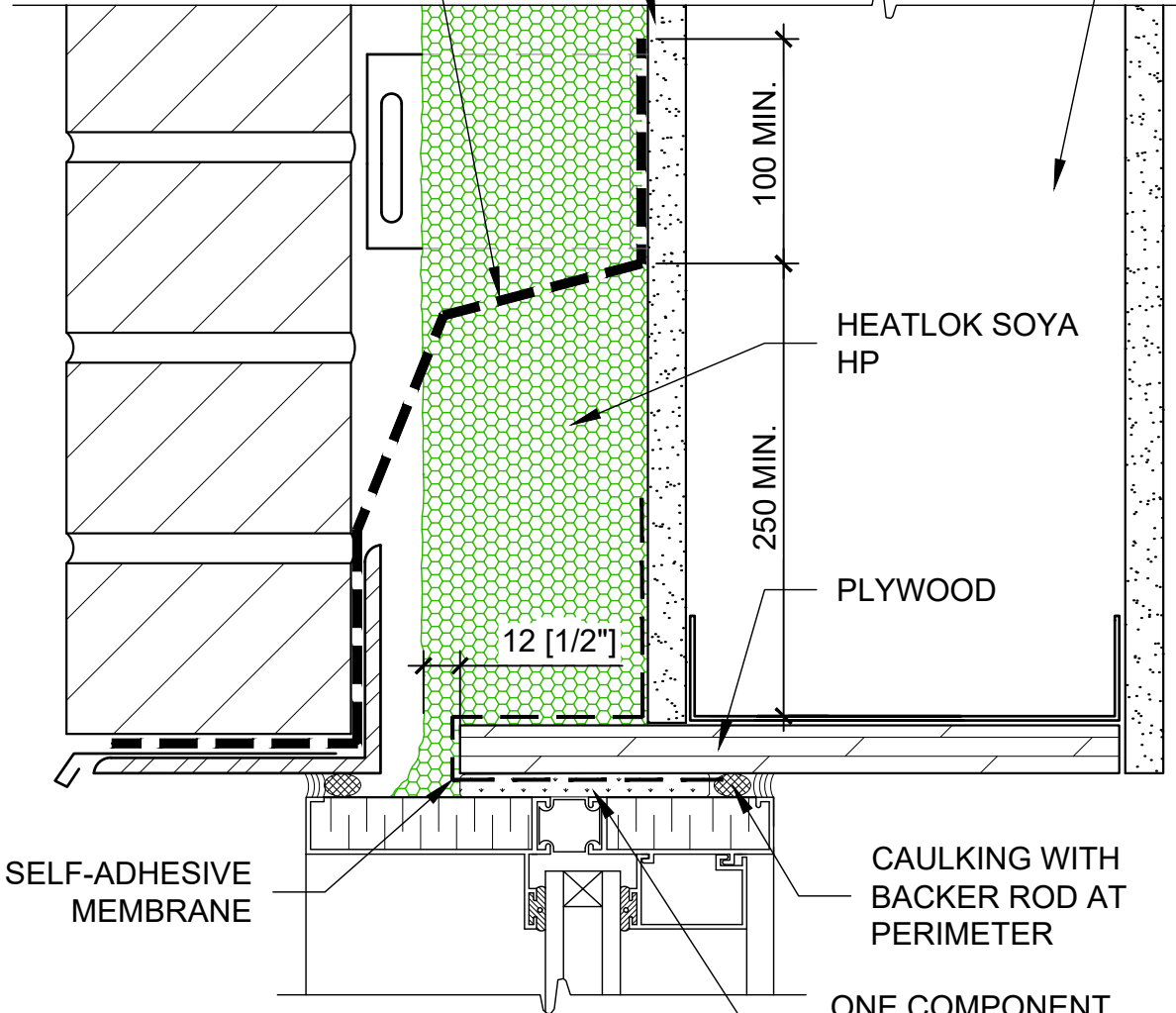
TOP OF WINDOW - SUPPORTED
FLASHING

INTERMEDIARY EXTERIOR PANEL,
SCREW: 150mm (6") ON PERIMETER
AND 300mm (12") ON CENTRE

OPTION

THRU-WALL-FLASHING
(SEE NOTE)

STEEL STUD GAUGE 20,
@ 400mm (16") C/C



HEATLOK SOYA
HP

PLYWOOD

SELF-ADHESIVE
MEMBRANE

CAULKING WITH
BACKER ROD AT
PERIMETER

ONE COMPONENT
PORTABLE
POLYURETHANE FOAM

NOTE :

- Thru-wall flashing exceed 200mm (8") both sides of the opening
- Window rough opening head and jamb 12 mm (1/2") shorter than spray polyurethane foam thickness
- Rise the self-adhesive membrane 75mm (3") on the jamb

SEE RECOMMENDED DETAILS : PAGE 8
PAGE 9

TOP OF WINDOW

INTERMEDIARY EXTERIOR
PANEL, SCREW: 150mm (6")
ON PERIMETER AND
300mm (12") ON CENTRE

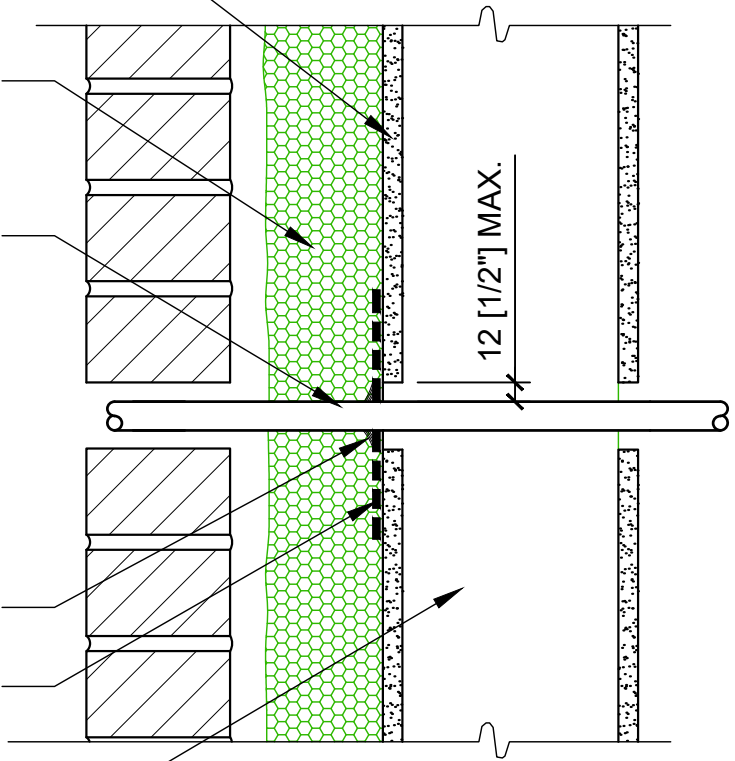
HEATLOK SOYA HP

PRIMER FOR OILY
AND PVC SURFACES

SEALANT

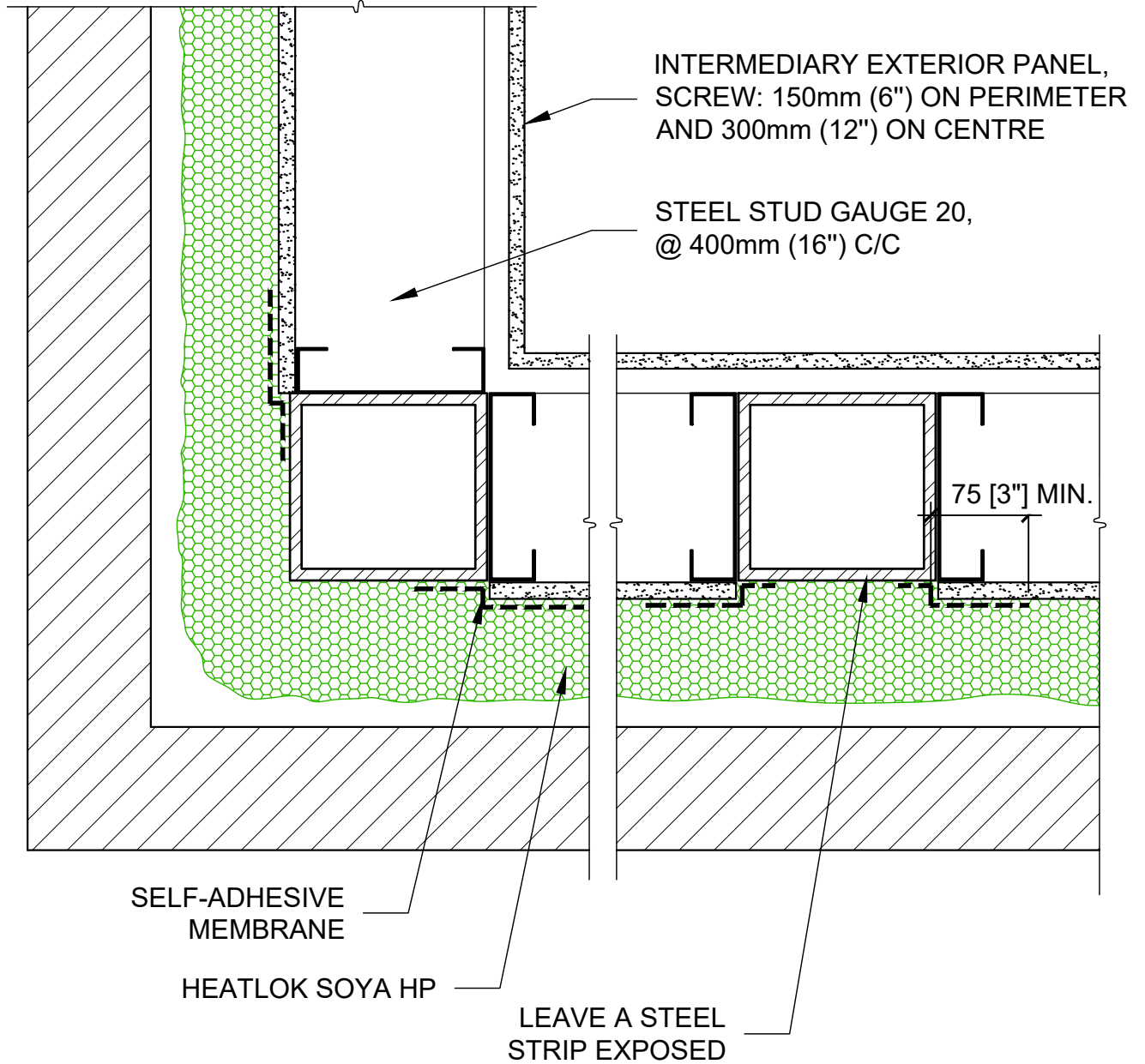
SELF-ADHESIVE MEMBRANE

STEEL STUD GAUGE
20, @ 400mm (16") C/C



SEE RECOMMENDED DETAILS : PAGE 18

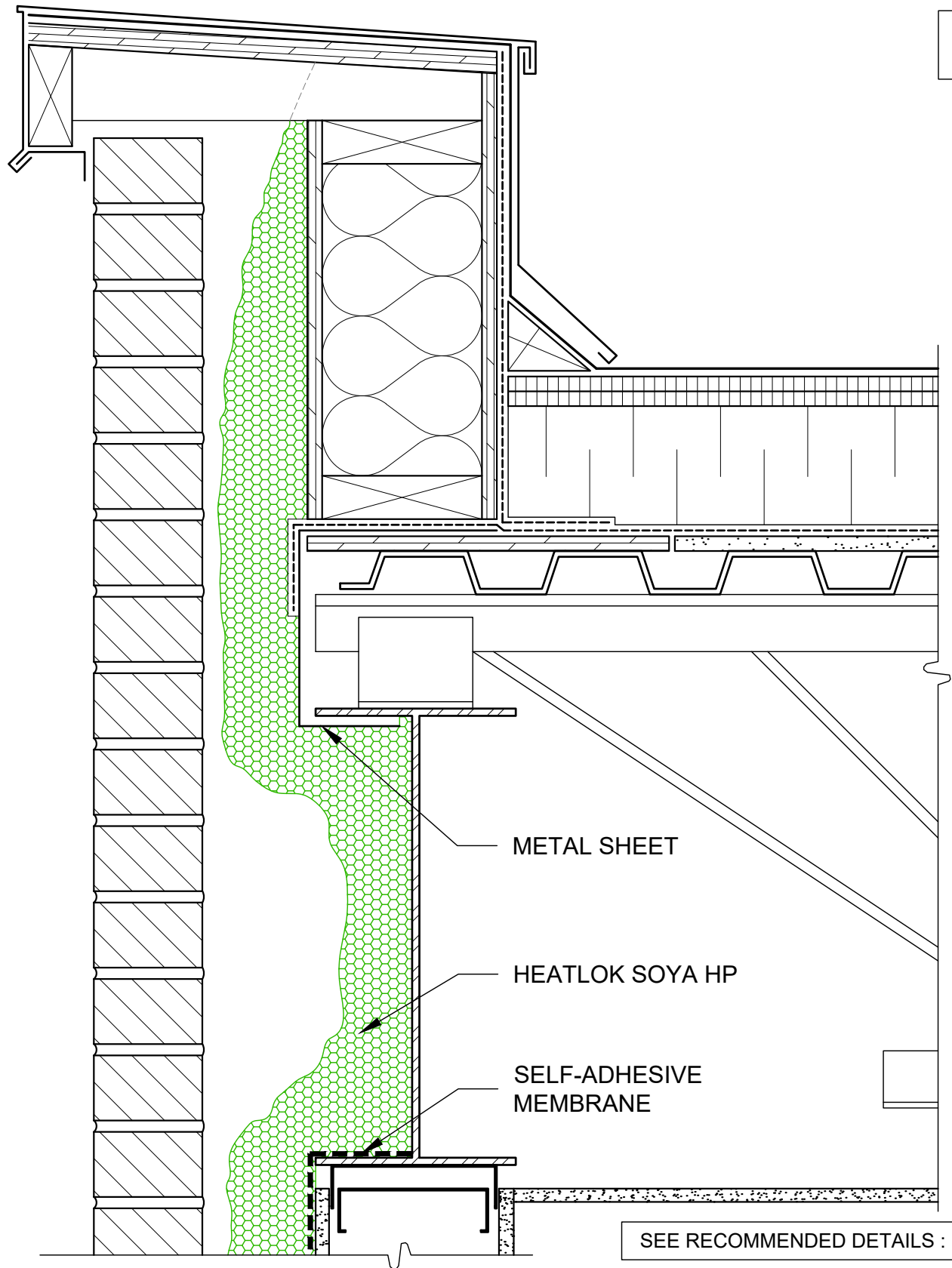
DETAIL AT WALL PENETRATION WITH
MEMBRANE SEALANT



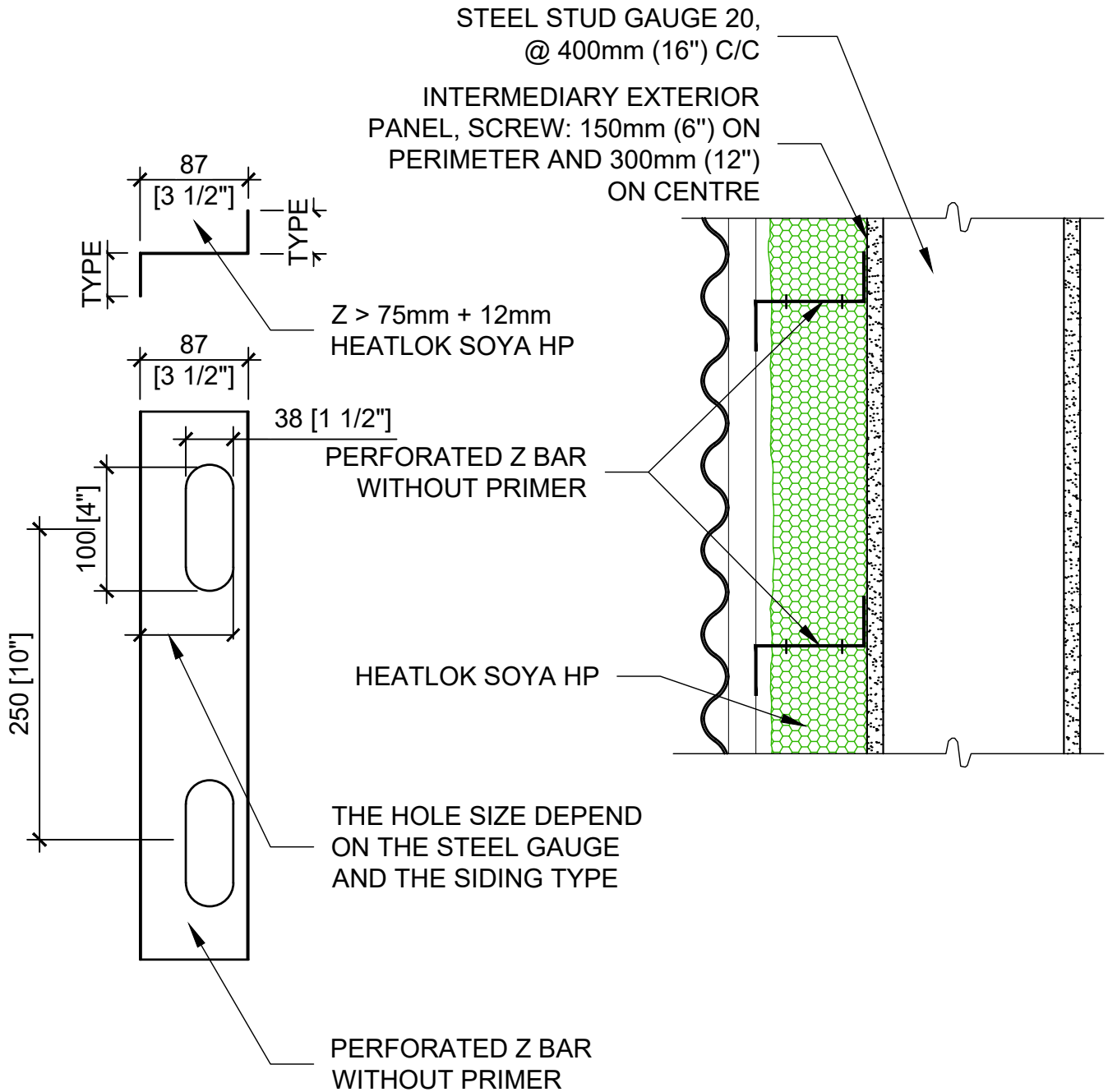
SEE RECOMMENDED DETAILS : PAGE 19

DETAIL AT JUNCTION COLUMN AND WALL
WITH TRANSITION MEMBRANE

OPTION



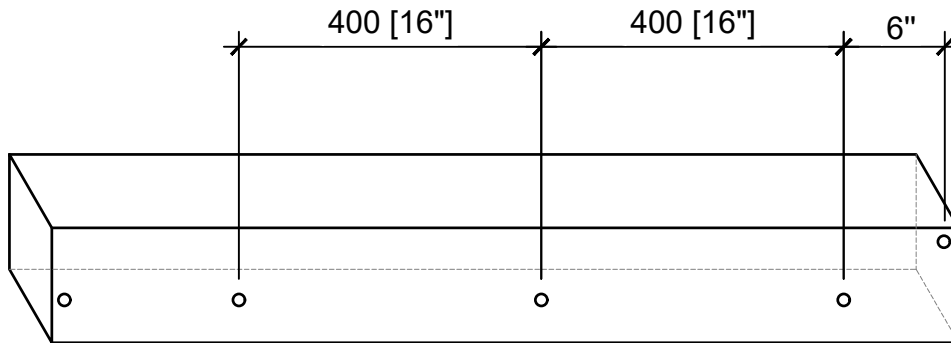
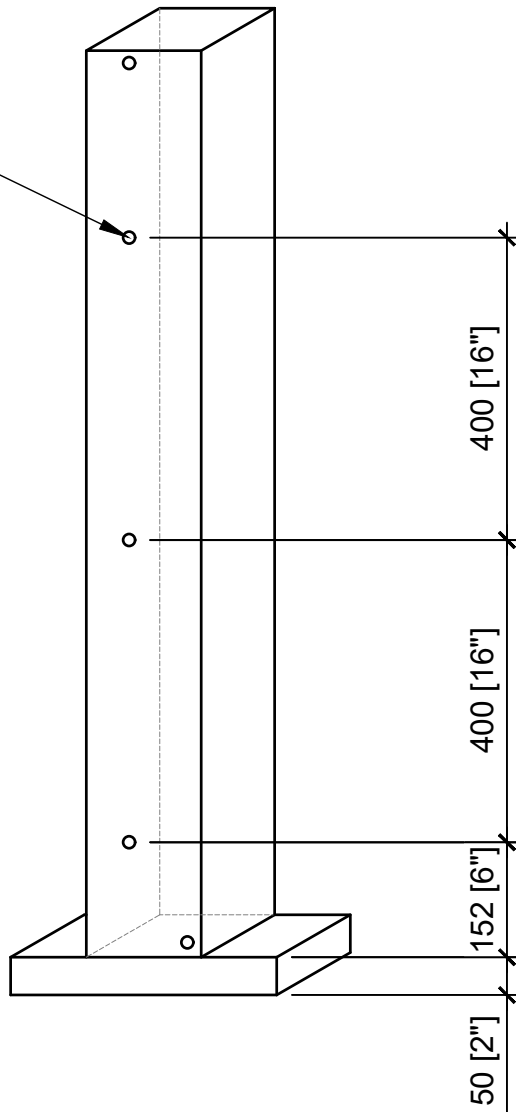
DETAIL AT SUPPORT BEAM,
PARAPET

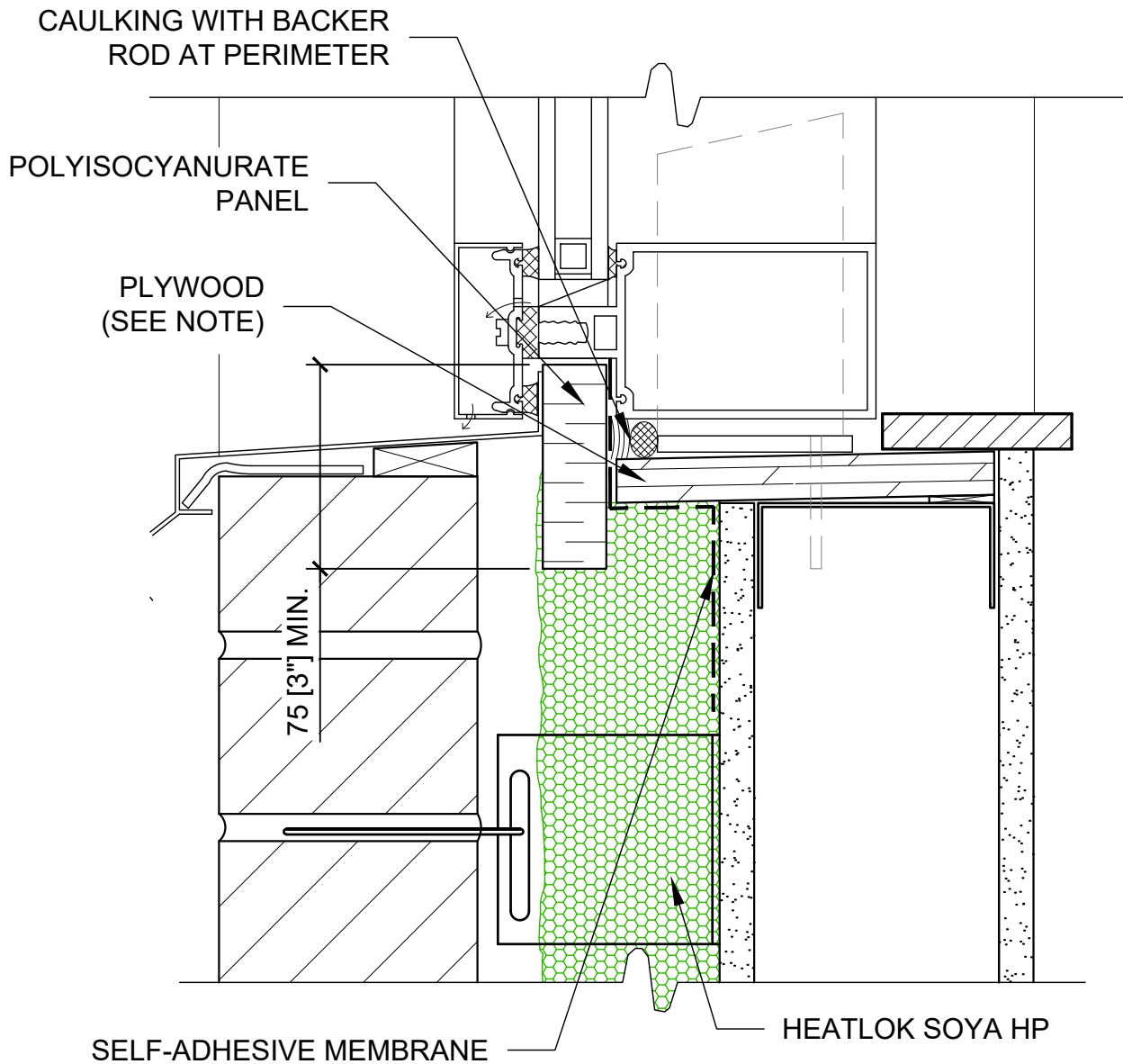


NOTE : IF THE Z-BAR IS PERFORATED,
NO PRIMER IS REQUIRED

UNPRIMED PERFORATED Z-BAR

5/8 HOLES"

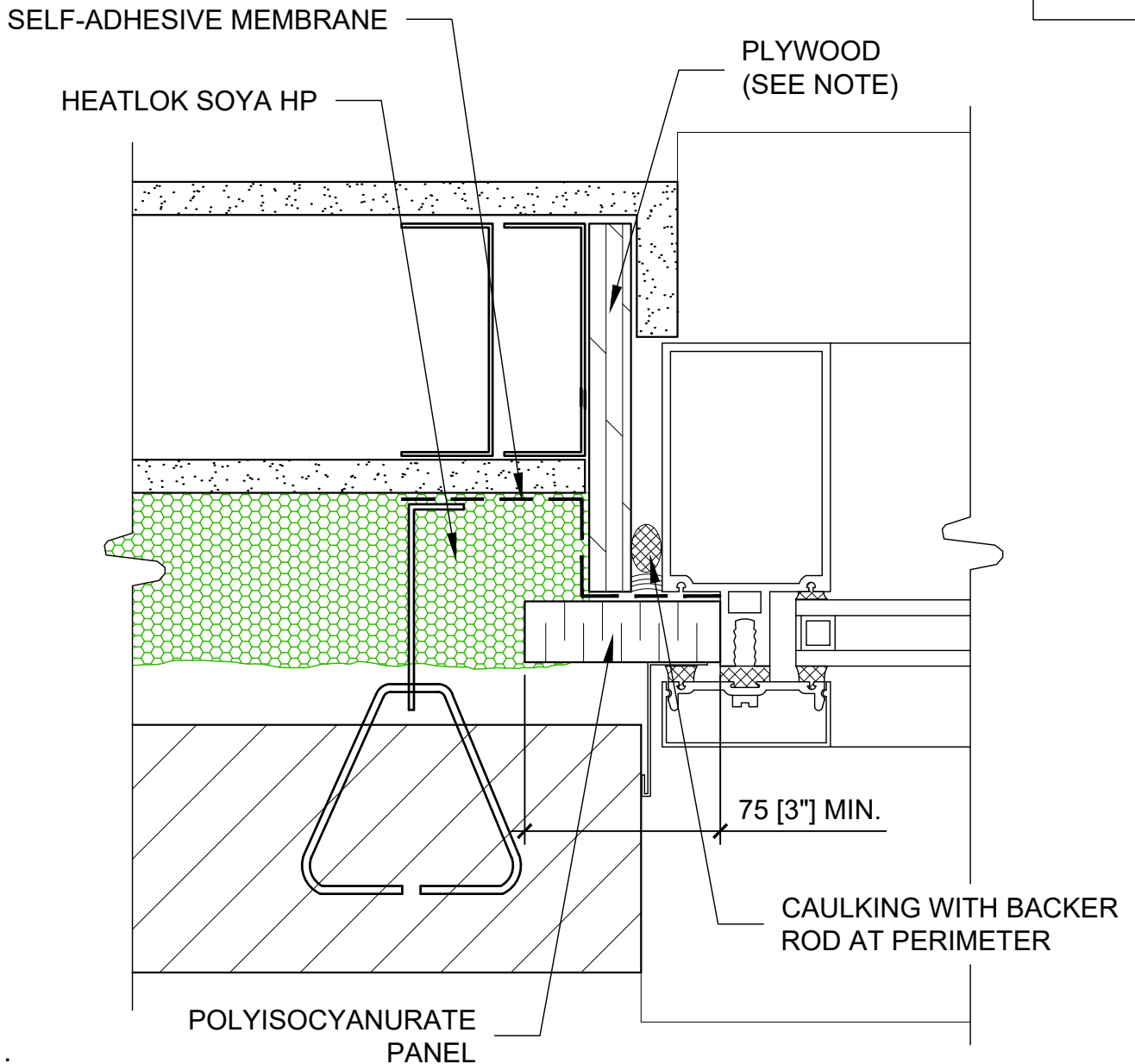




NOTE :

- Seal the plywood joints with membrane or with sealant
- This detail requires good coordination between the subcontractors and requires the installation of the curtain wall before the insulation is installed
- The polystyrene (polyisocyanurate panel) must be rigid and in continuous compression with the pressure plate. Its minimum thickness is the same as glass

CURTAIN WALL SILL - BRICK

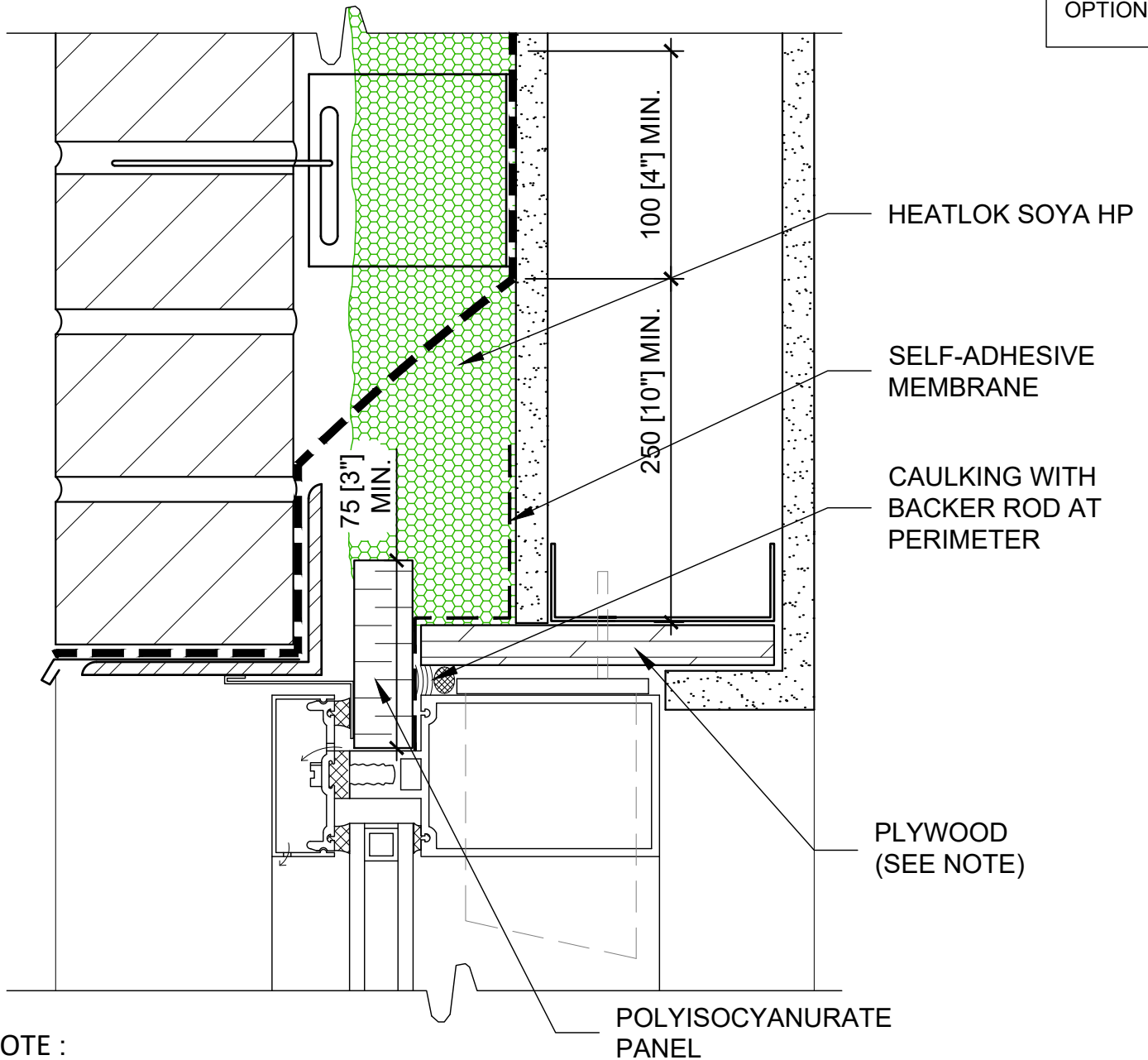


NOTE :

- Seal the plywood joints with membrane or with sealant
- This detail requires good coordination between the subcontractors and requires the installation of the curtain wall before the insulation is installed
- The polystyrene (polyisocyanurate panel) must be rigid and in continuous compression with the pressure plate. Its minimum thickness is the same as glass

CURTAIN WALL JAMB - BRICK

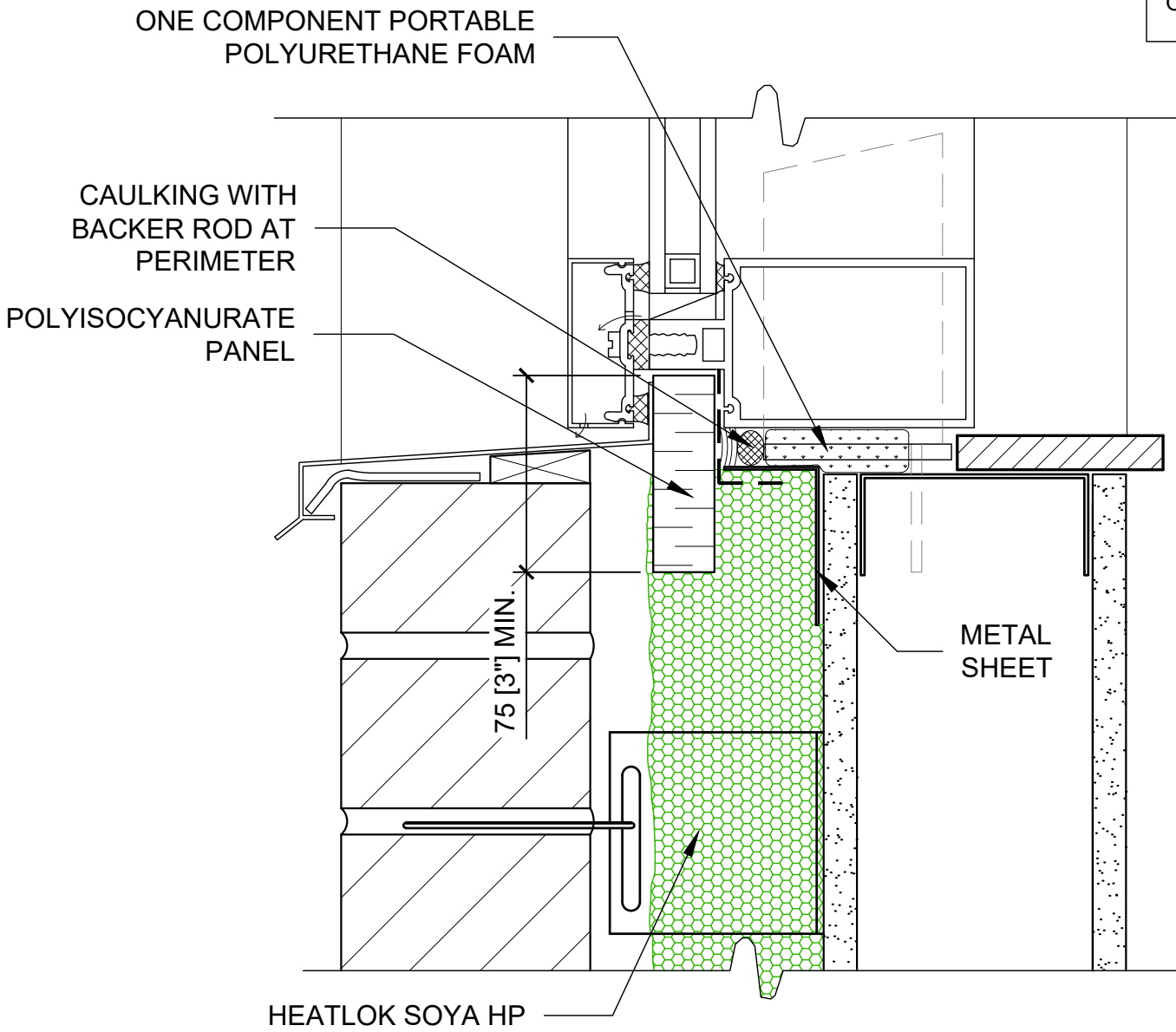
OPTION



NOTE :

- Seal the plywood joints with membrane or with sealant
- This detail requires good coordination between the subcontractors and requires the installation of the curtain wall before the insulation is installed
- The polystyrene (polyisocyanurate panel) must be rigid and in continuous compression with the pressure plate. Its minimum thickness is the same as glass

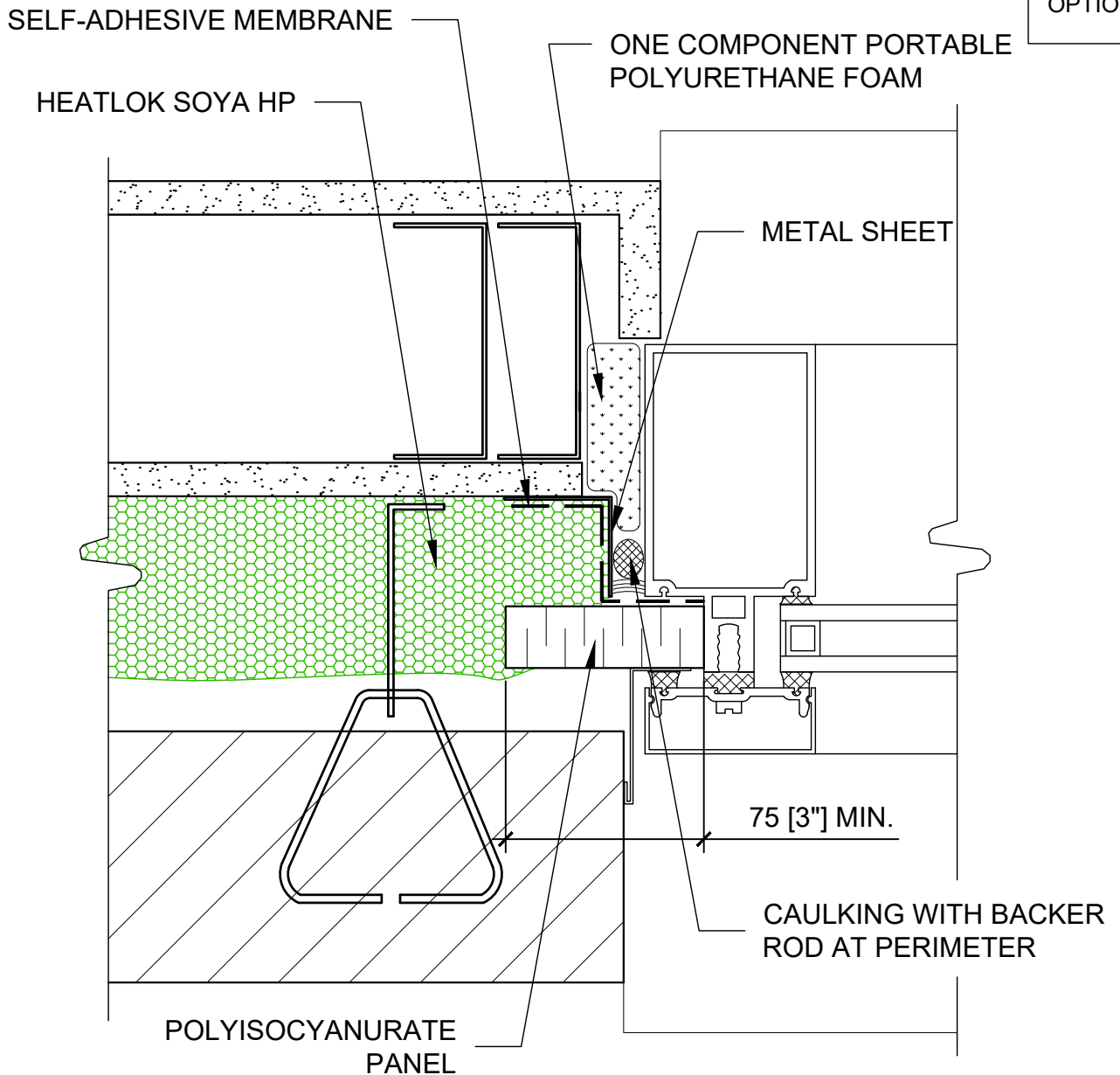
TOP OF CURTAIN WALL - BRICK



NOTE :

- Seal the plywood joints with membrane or with sealant
- This detail requires good coordination between the subcontractors and requires the installation of the curtain wall before the insulation is installed
- The polystyrene (polyisocyanurate panel) must be rigid and in continuous compression with the pressure plate. Its minimum thickness is the same as glass

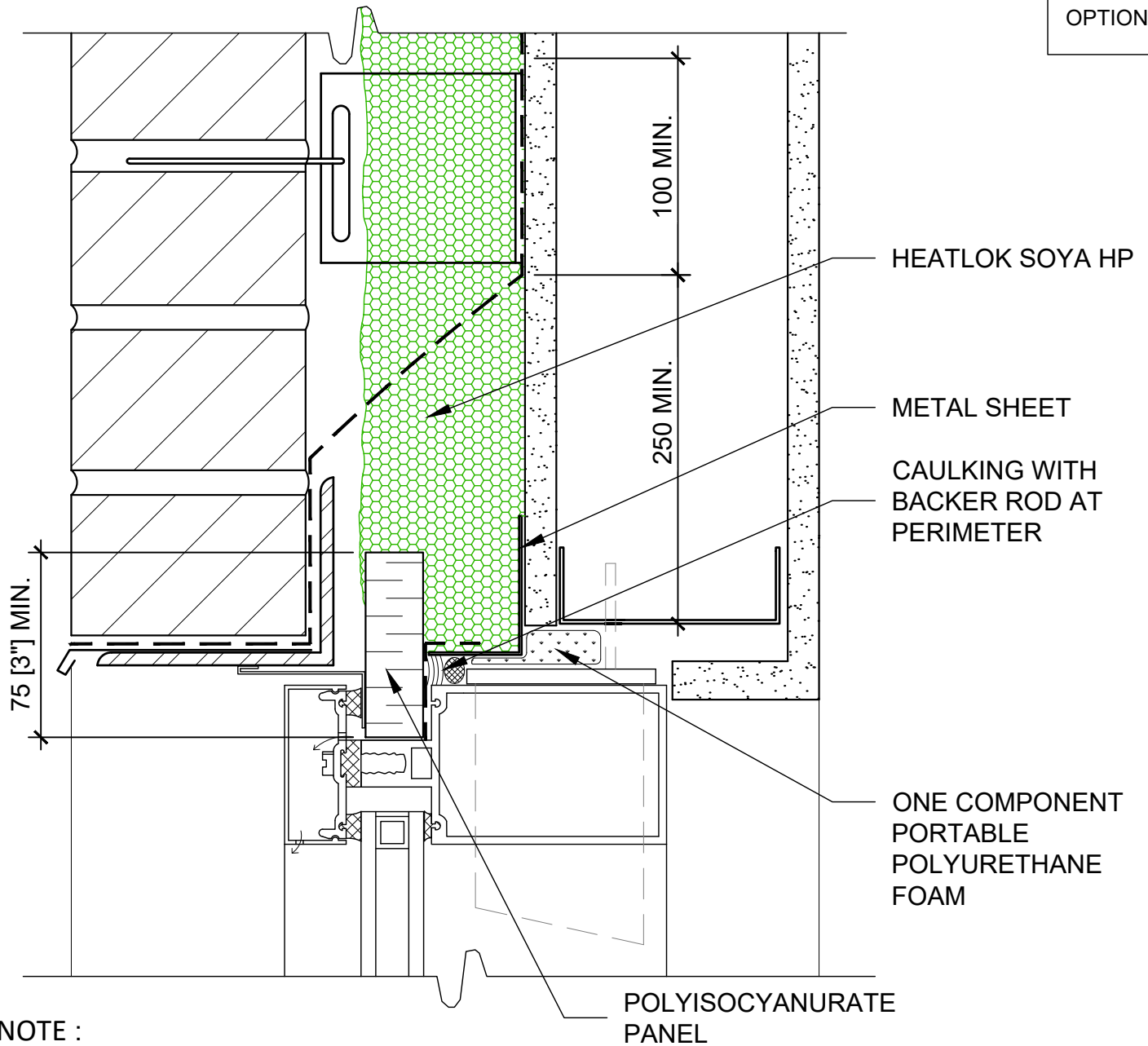
CURTAIN WALL SILL - BRICK



NOTE :

- Seal the plywood joints with membrane or with sealant
- This detail requires good coordination between the subcontractors and requires the installation of the curtain wall before the insulation is installed
- The polystyrene (polyisocyanurate panel) must be rigid and in continuous compression with the pressure plate. Its minimum thickness is the same as glass

CURTAIN WALL JAMB - BRICK



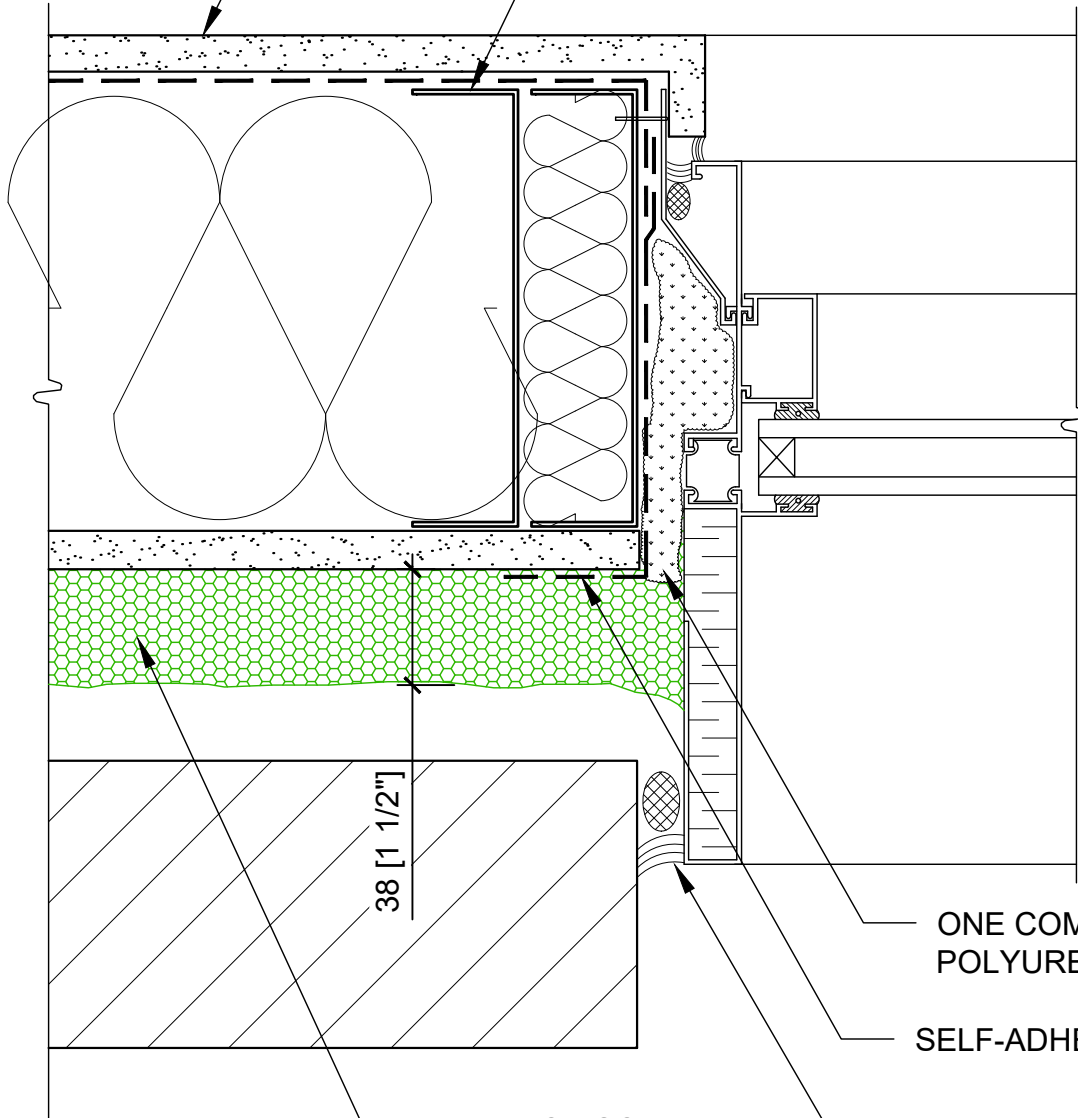
NOTE :

- Seal the plywood joints with membrane or with sealant
- This detail requires good coordination between the subcontractors and requires the installation of the curtain wall before the insulation is installed
- The polystyrene (polyisocyanurate panel) must be rigid and in continuous compression with the pressure plate. Its minimum thickness is the same as glass

TOP OF CURTAIN WALL - BRICK

INTERMEDIARY EXTERIOR PANEL, SCREW: 150mm (6")
ON PERIMETER AND 300mm (12") ON CENTRE

STEEL STUD GAUGE 20, @ 400mm (16") C/C



ONE COMPONENT PORTABLE
POLYURETHANE FOAM

SELF-ADHESIVE MEMBRANE

CAULKING WITH BACKER ROD
AT PERIMETER

HEATLOK SOYA HP

38 [1 1/2"]

CLIP WINDOW JAMB
38MM HEATLOK SOYA