

ISOMAX[®]

integral

Complete Footing Insulation System

ISOMAX[®] *integral*

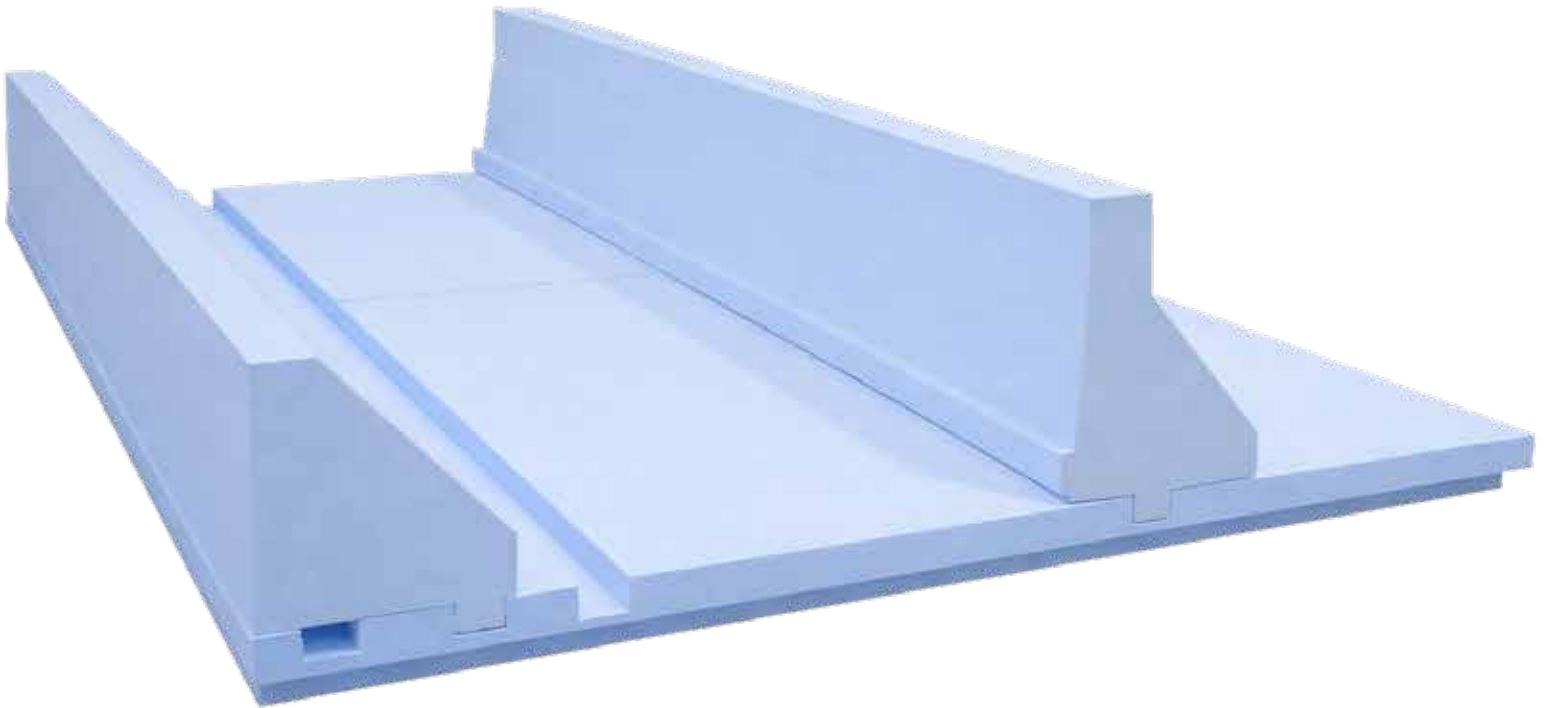
DESCRIPTION

Complete insulation system allowing the footing and slab to be poured simultaneously

- 4 in (102mm) thick moulded board with grooves to insert side panels
- Shiplapped at both ends
- 1 ft x 8 ft (305mm x 2438mm) side panels
- Universal inside and outside corner panels



Made in Canada



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PRODUCT FEATURES

APPLICATIONS

Residential and commercial construction

Insulation for footings

ADVANTAGES

Superior Performance

Two construction steps in one: Allows pouring concrete for the slab and the footing at the same time

Two installation steps in one: Serves both as the formwork and insulation for the footing

Lightweight and easy to handle

Minimal excavation required and requires less concrete

Permanent insulation value

100% recyclable

Can be handled without health hazards and is non-irritating to skin

TECHNICAL DATA SHEET

EPS Physical Properties	ASTM Test Method	Type 2 HD
Thermal resistance 1 in (25mm) hr·°F·pi ² /BTU (m ² ·°C/W)	C-518	Min : 4,15 Min : (0,73)
Water vapour permeability US Perm. (ng/Pa·s·m ²)	E-96	Max : 3,5 Max : (200)
Dimensional stability (%)	D-2126	Max : 1,5
Flexural strength lb/in ² (kPa)	C-203	Min : 38 Min : (262)
Water absorption (%)	D-2842	Max : 2,0
Compressive properties lb/in ² (kPa)	D-1621	Min : 19 Min : (131)
Limiting oxygen index (%)	D-2863	Min : 24
The maximum continuous service temperature °F (°C) is 167 (75). The maximum intermittent service temperature °F (°C) is 180 (82,2). The coefficient of thermal expansion in/in/°F (mm/mm/°C) is 3,5 x 10 ⁻⁵ (6 x 10 ⁻⁵ c-1) as per ASTM D-696 method.		

AVAILABLE SIZES

4 in (102mm) thick with the following widths :

24 in (610mm), R-16

30 in (762mm), R-16

36 in (914mm), R-16

Some municipalities require soil testing and engineer approvals.

ISO 9001:2015

Certified quality management system ISO 9001:2015.



The expanded polystyrene used to manufacture ISOMAX[®] is Intertek certified (ETL Listed) in accordance with **ULC S701**.

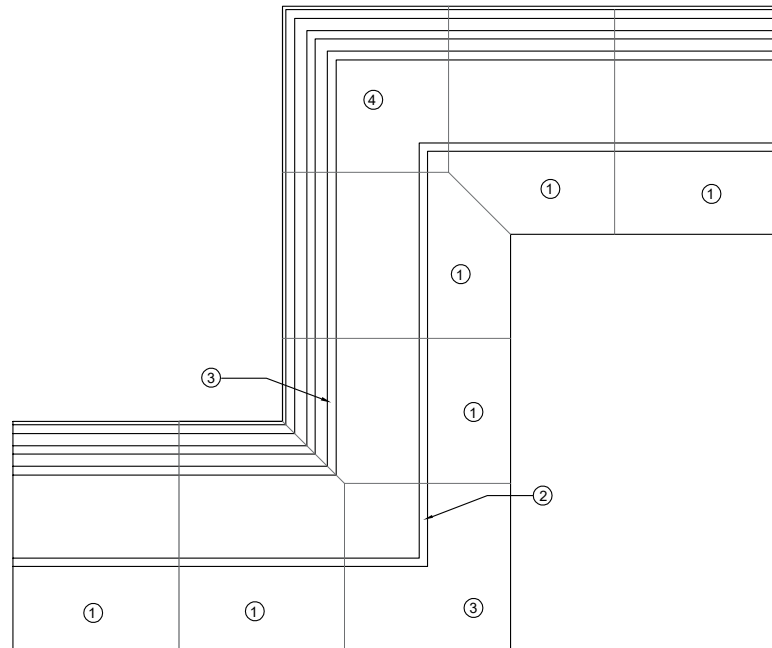
Warning

Flammable: interior applications require a protective barrier.

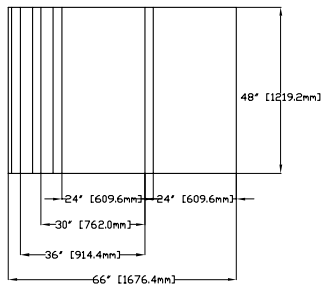
All installations must comply with the National Building Code. The information and suggestions contained in this brochure are provided solely for informational purposes and are offered in a spirit of collaboration. To our knowledge, we believe the information presented can be considered reliable. This brochure shall not constitute, in any case, a REPRESENTATION or a WARRANTY either EXPRESS or IMPLIED, either in terms of the information, data and suggestions included, or with respect to the absence or violation of any patent or other rights of third parties. Any proposed applications must be evaluated beforehand according to the application context and must, as a result, be adapted or modified to suit local conditions and materials if necessary.

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LIST OF COMPONENTS FOR ISOMAX[®] FORM SYSTEM

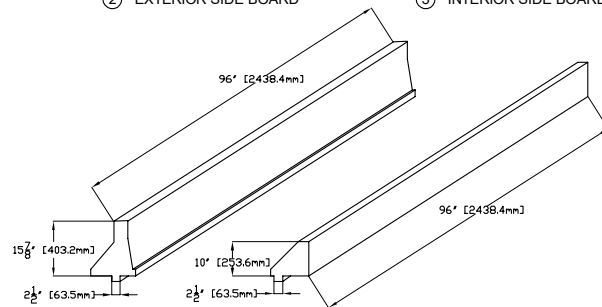


① STRAIGHT BOARD

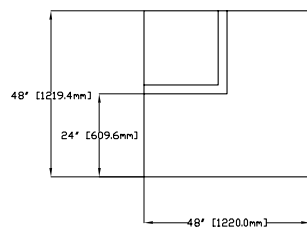


② EXTERIOR SIDE BOARD

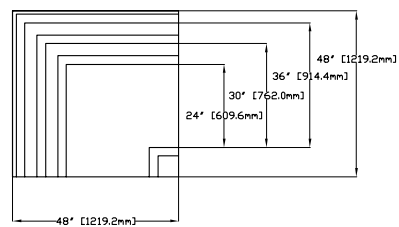
③ INTERIOR SIDE BOARD



④ EXTERIOR CORNER BOARD

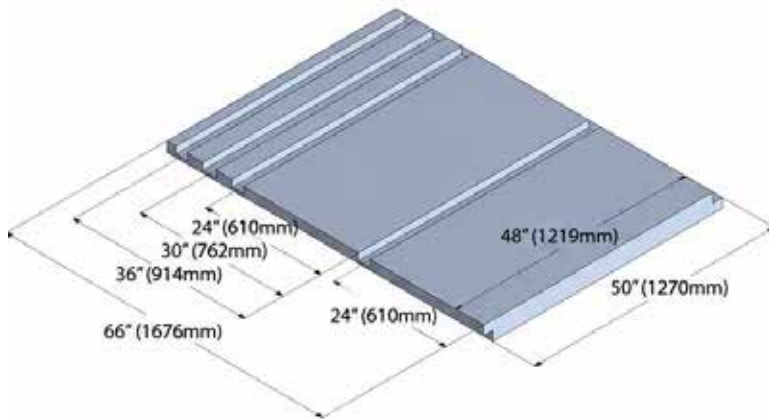


⑤ EXTERIOR CORNER BOARD



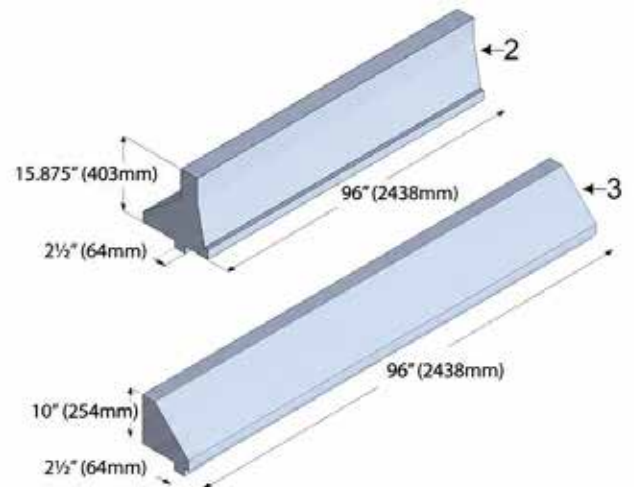
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1 - STRAIGHT BOARD

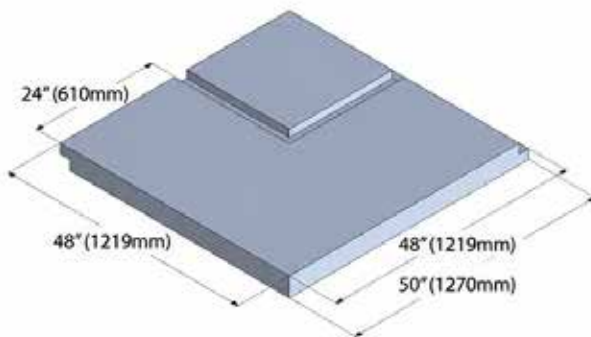


2 - EXTERIOR SIDE BOARD

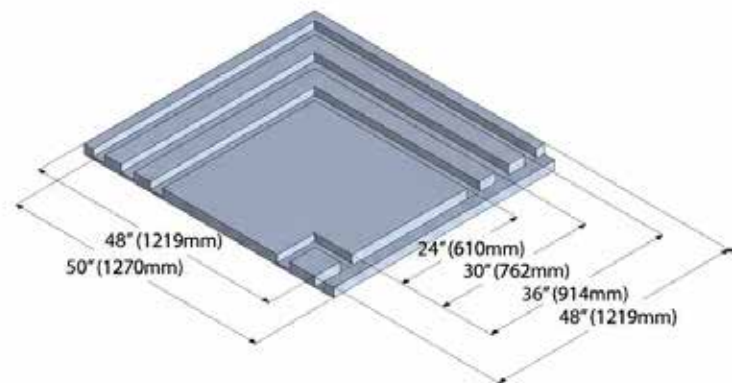
3 - INTERIOR SIDE BOARD



4 - EXTERIOR CORNER BOARD

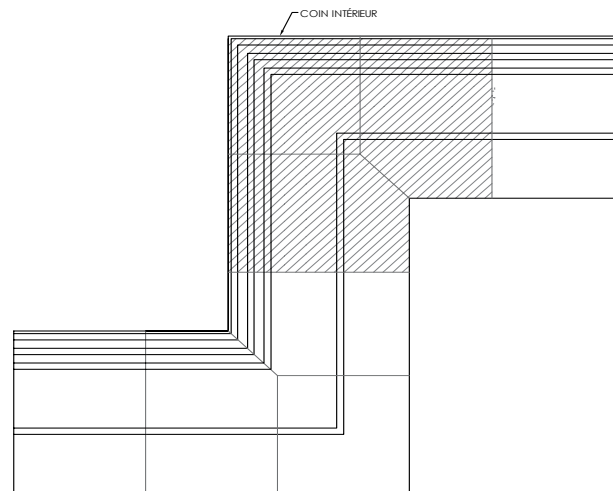


5 - INTERIOR CORNER BOARD

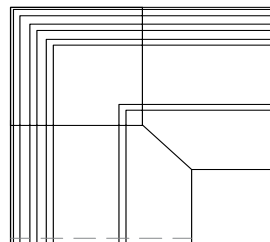
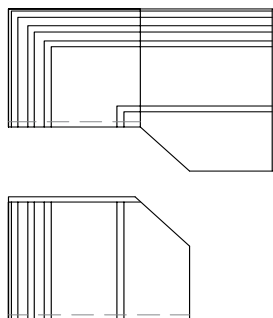
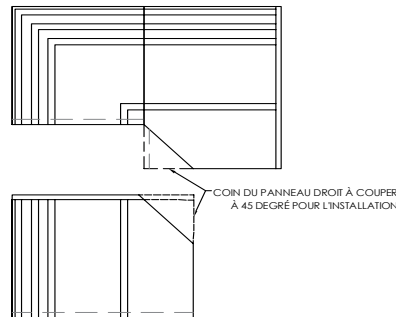
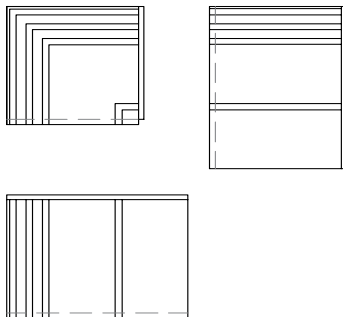


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INSTALLATION TIPS Universal inside corner

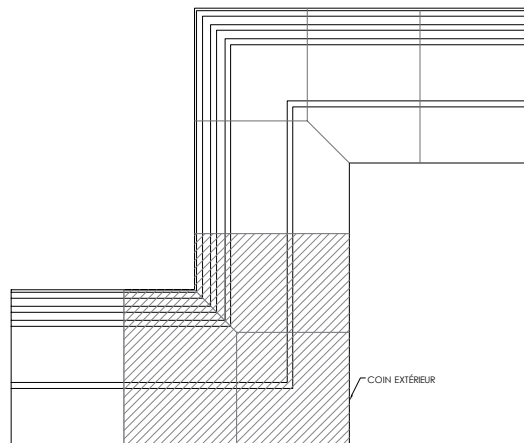


1. Place the panel in the corner.
2. Place one of the panels right, make a cut à 45°.
3. Repeat step 2 with a second panel.
4. Final assembly.

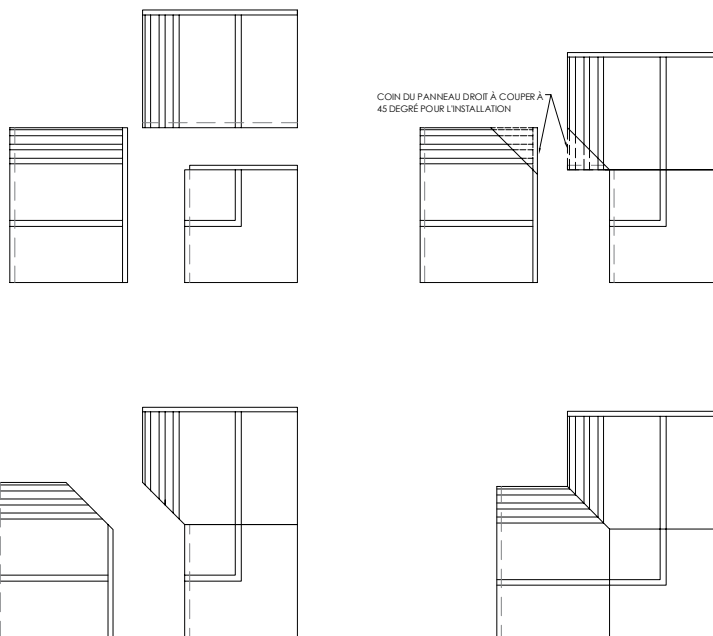


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INSTALLATION TIPS Universal outside corner



1. Place the panel in the corner.
2. Place one of the panels right, make a cut à 45°.
3. Repeat step 2 with a second panel.
4. Final assembly.



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INSTALLATION TIPS



1. Place universal corners first.



2. Place straight boards.



3. Place side boards.



4. Put the rebar reinforcement inside the footing.

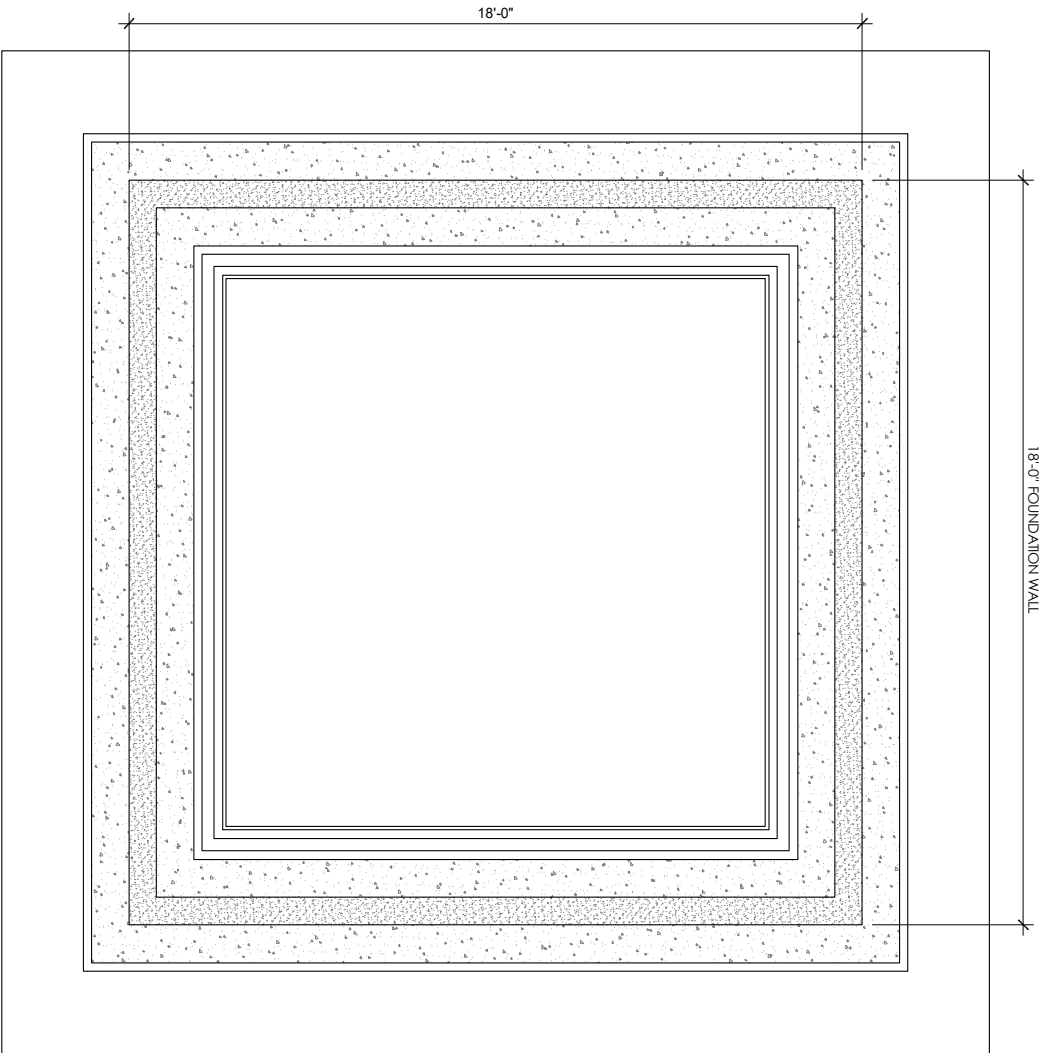


5. Strengthen the top of the formwork temporarily and pour in concrete

Note: Some municipalities require soil testing and engineering approvals.

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CALCULATION METHOD TO DETERMINE
THE REQUIRED NUMBER OF ISOMAX PANELS:

ADD UP THE LINEAR FEET OF THE FOUNDATION
WALLS. THEN, DIVIDE THE TOTAL BY 4 FEET TO
DETERMINE THE NUMBER OF STRAIGHT PANELS.
NEXT, ADD THE NUMBER OF INTERIOR AND
EXTERIOR CORNERS.

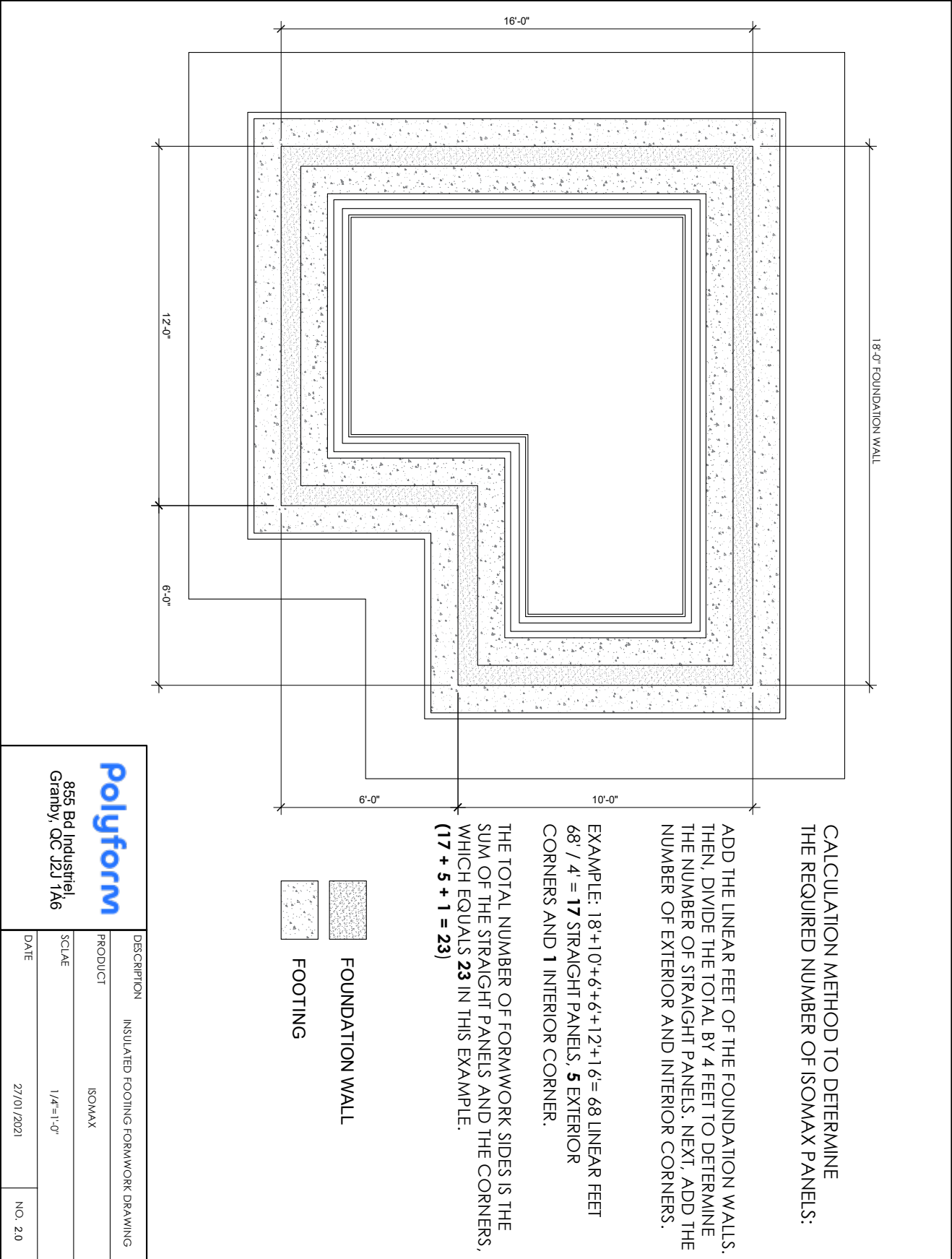
EXAMPLE: 18' X 4' = 72 LINEAR FEET
 $72' / 4' = 18$ STRAIGHT PANELS AND
4 EXTERIOR CORNERS

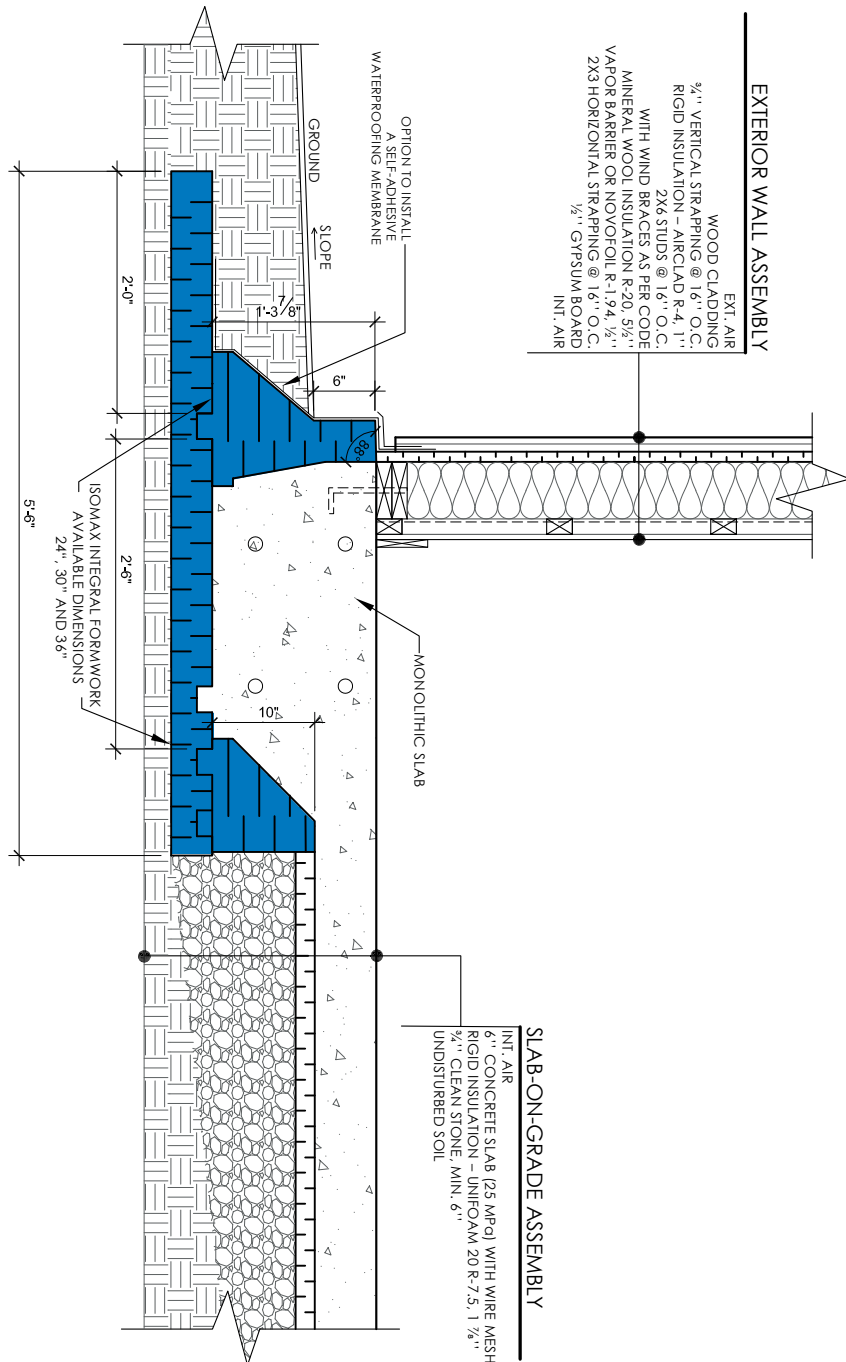
THE TOTAL NUMBER OF FORMWORK SIDES IS
THE SUM OF STRAIGHT PANELS AND CORNERS,
WHICH EQUALS **22** IN THIS EXAMPLE. $(18 + 4 = 22)$



DESCRIPTION	CALCULATION METHOD
PRODUIT	ISOMAX
ÉCHELLE	1/4"=1'-0"
DATE	16/06/2021
	NO. 1.0

polyform
855 Bd Industriel,
Granby, QC J2J 1A6

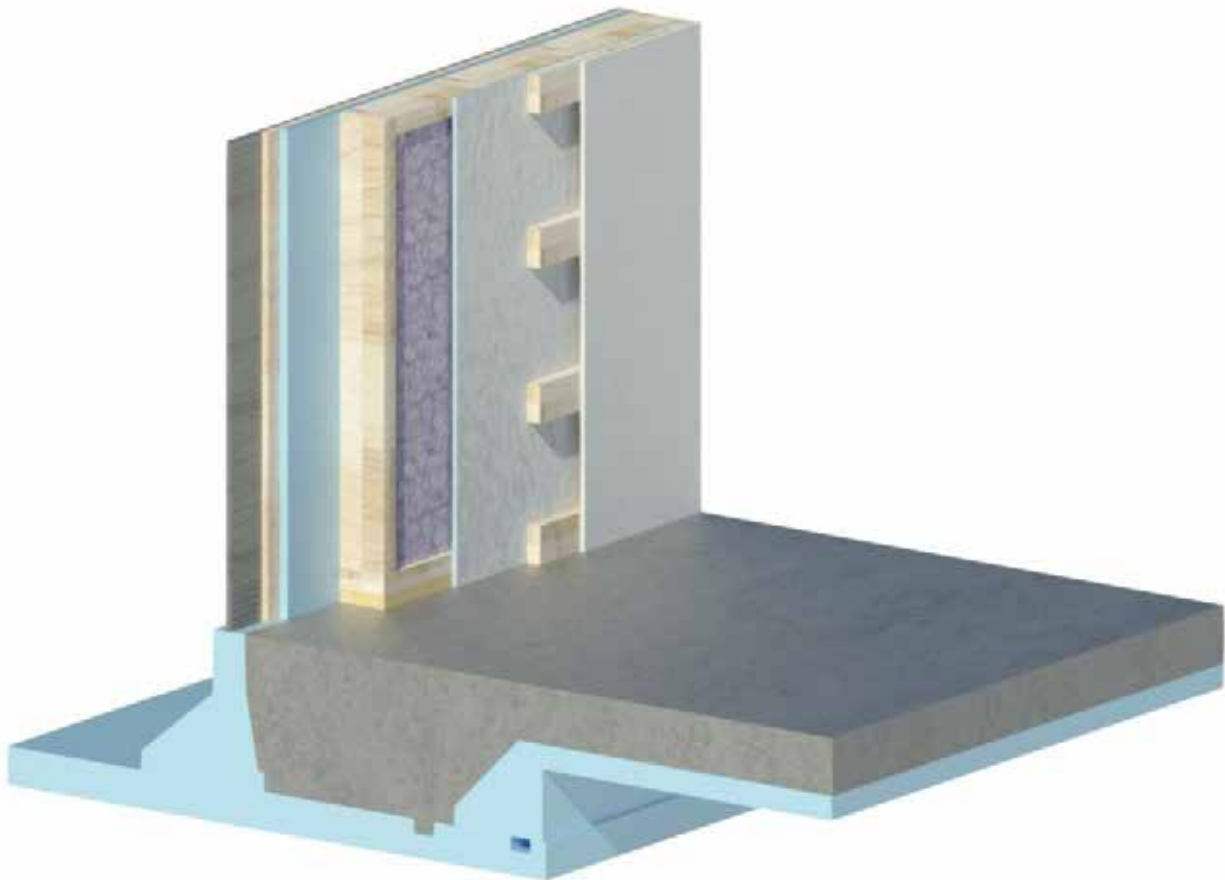


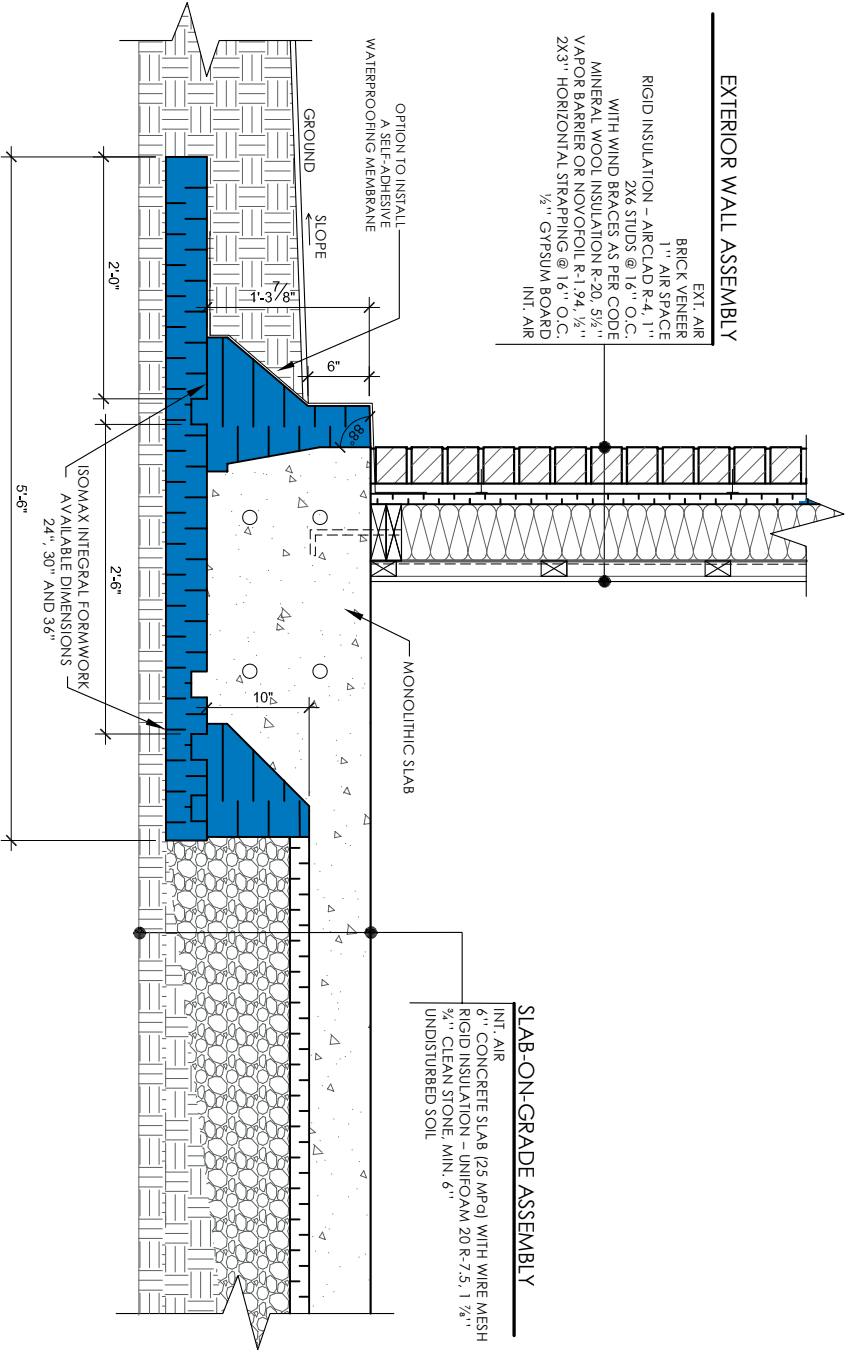


Polyform
855 Bd Industriel,
Granby, QC J2J 1A6

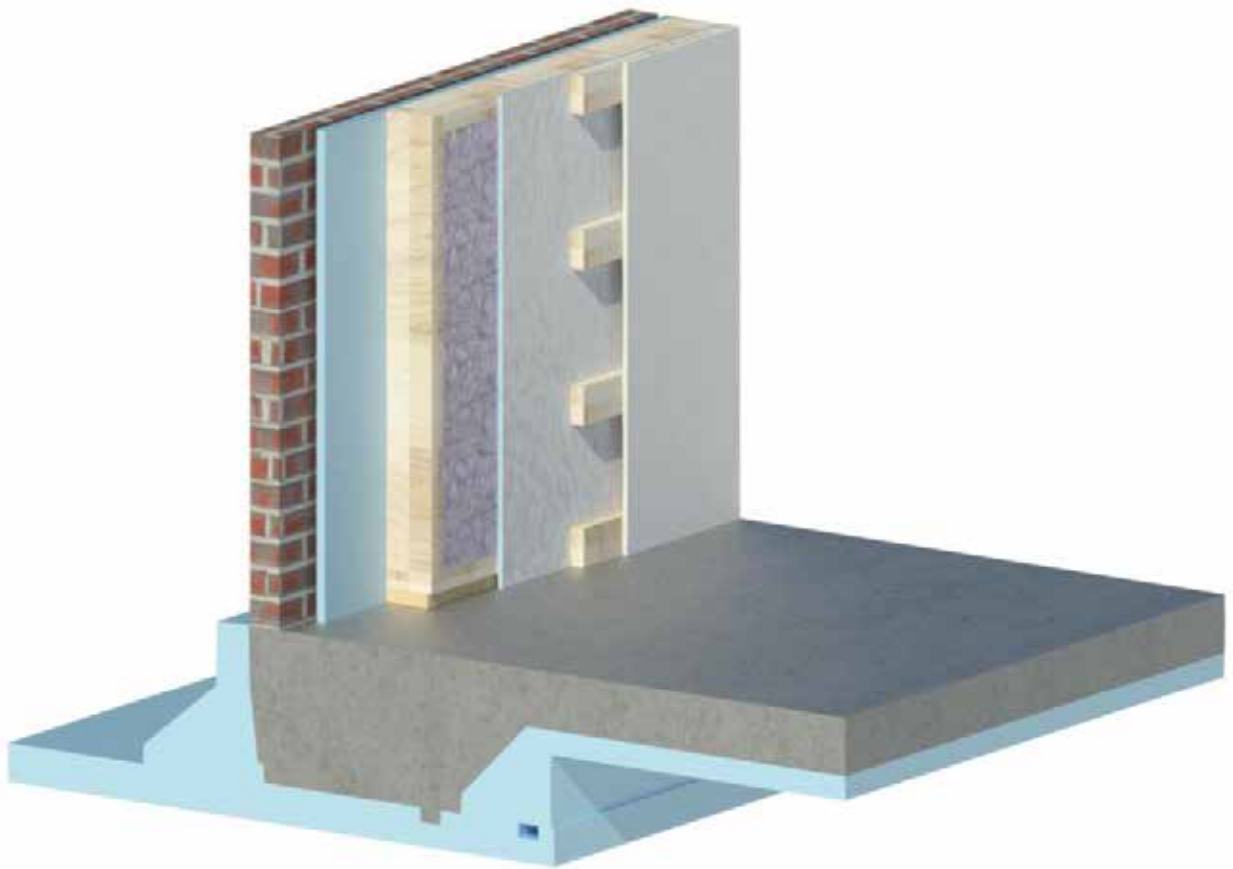
THE INFORMATION CONTAINED IN THIS DRAWING IS A PRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.

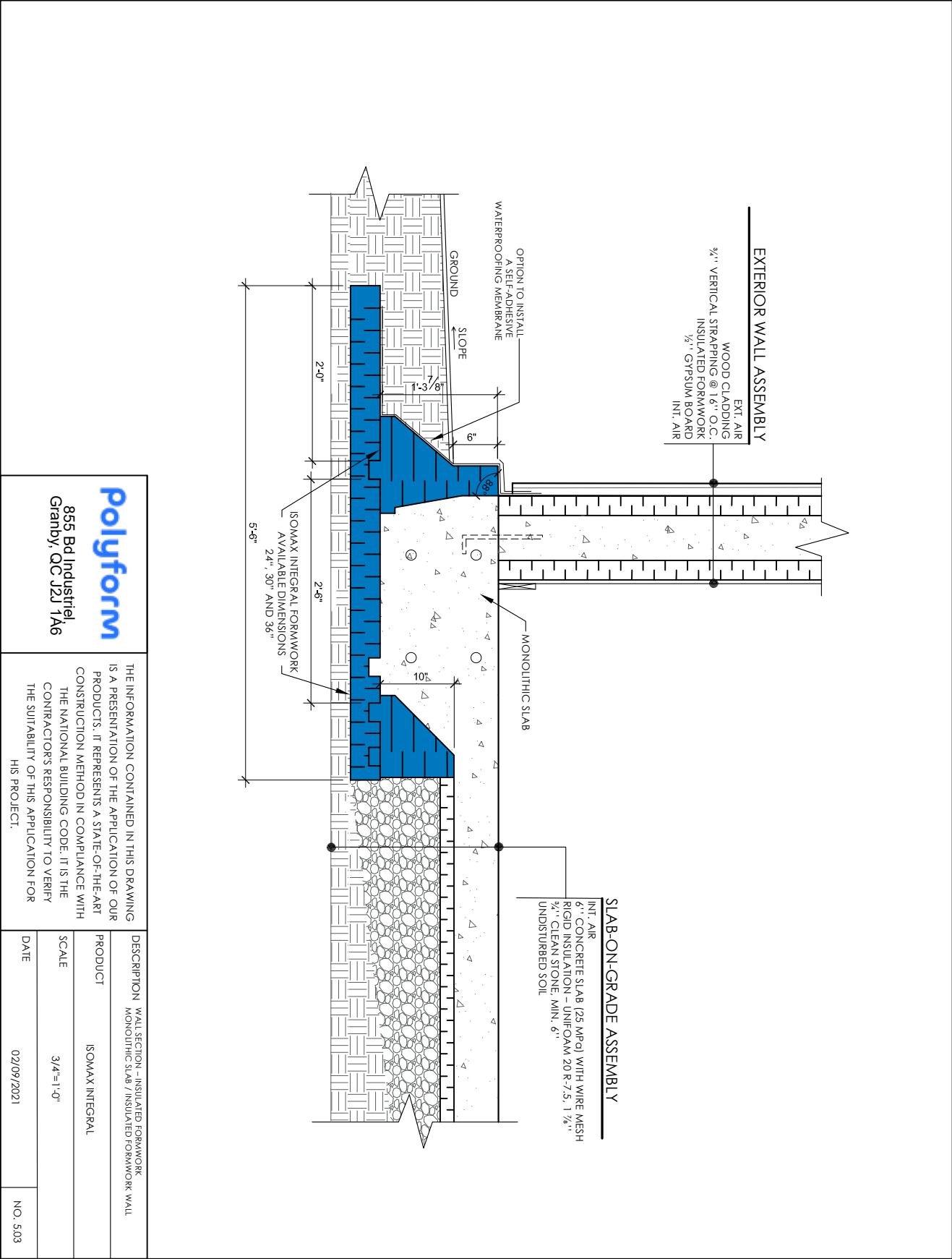
DESCRIPTION	WALL SECTION - INSULATED FORMWORK MONOLITHIC SLAB / WOOD WALL WITH WOOD SIDING FINISH	
PRODUCT	ISOMAX INTEGRAL	
SCALE	3/4"=1'-0"	
DATE	02/09/2021	NO. 501



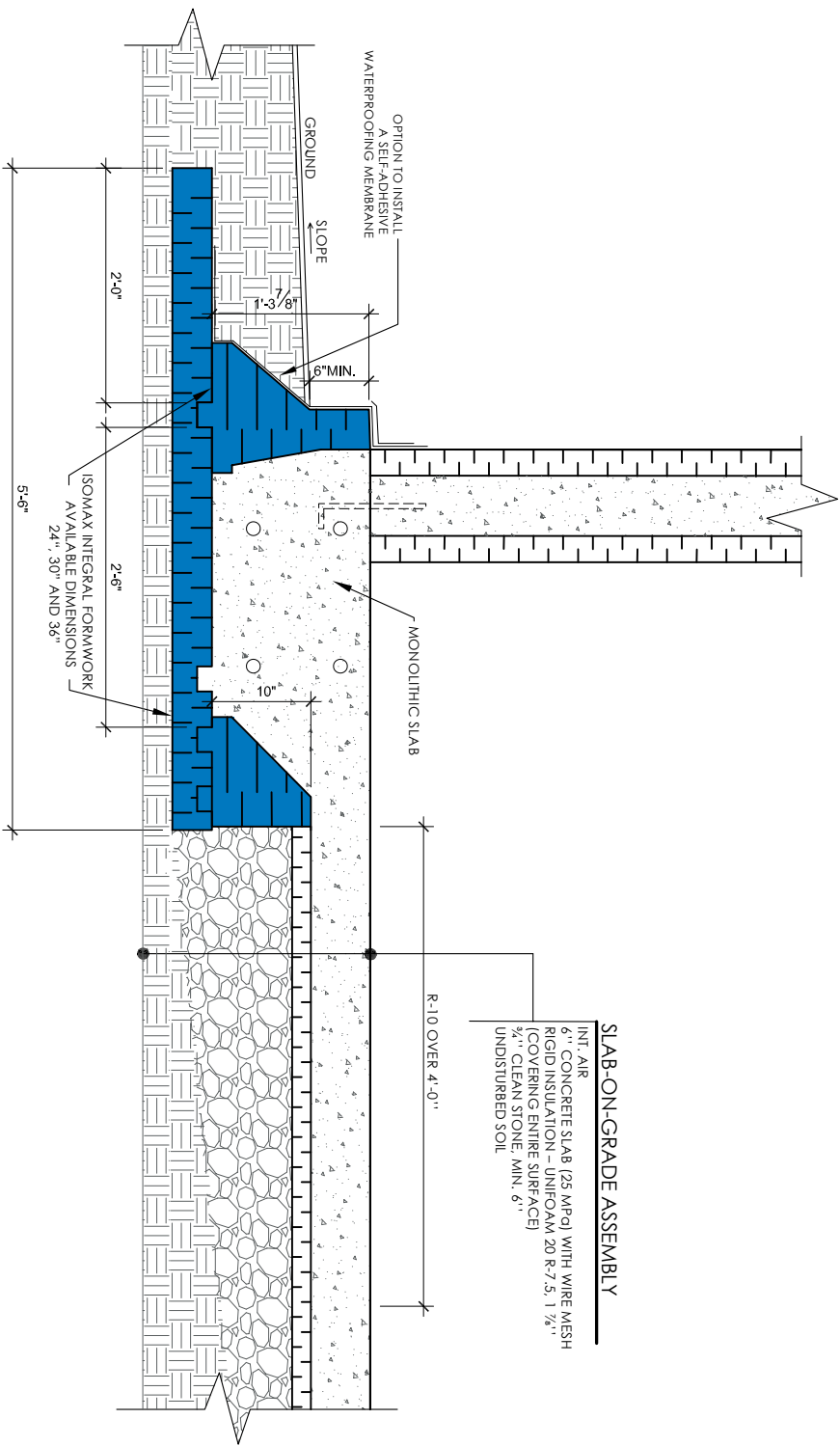


Polyform 855 Bd Industriel, Granby, QC J2J 1A6	
THE INFORMATION CONTAINED IN THIS DRAWING IS A REPRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.	
DESCRIPTION	WALL SECTION - INSULATED FORMWORK MONOLITHIC SLAB / WOOD WALL WITH BRICK FINISH
PRODUCT	ISOMAX INTEGRAL
SCALE	3/4"=1'-0"
DATE	02/09/2021
NO. 502	

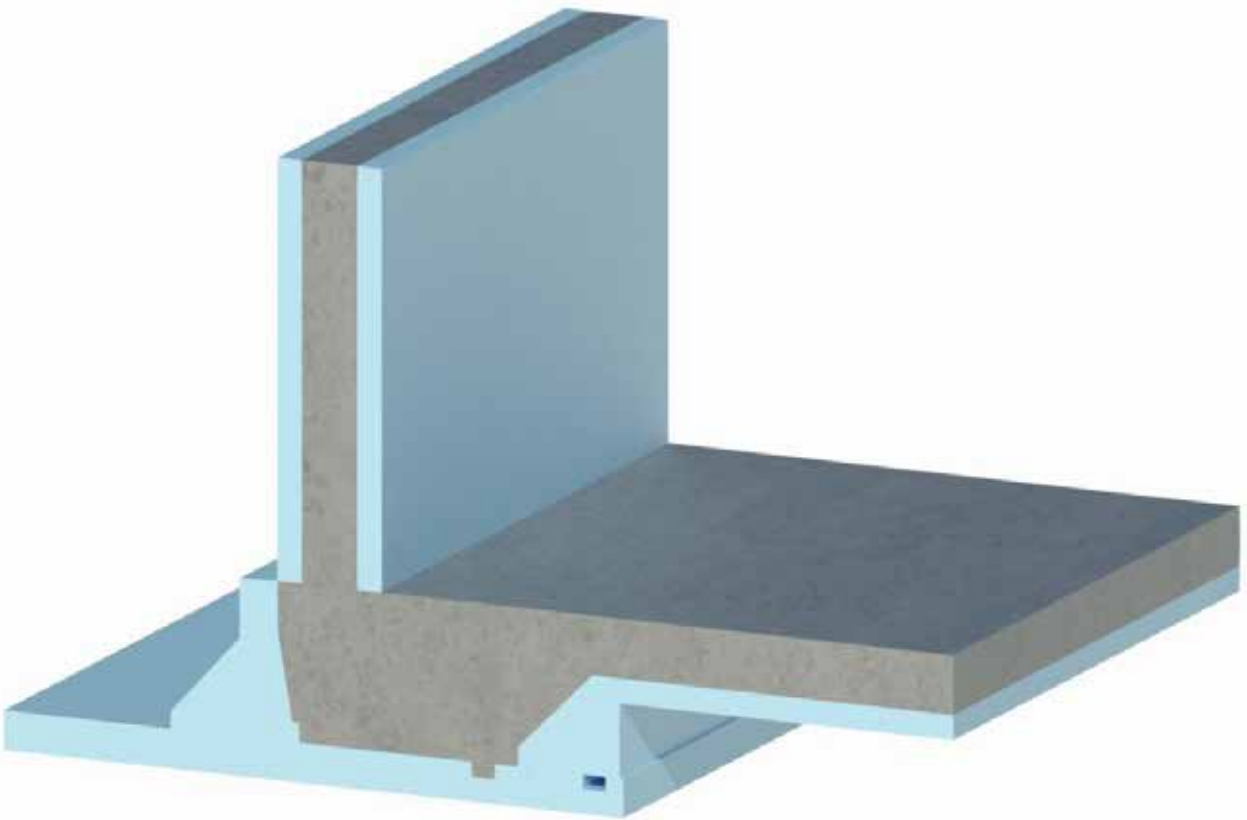


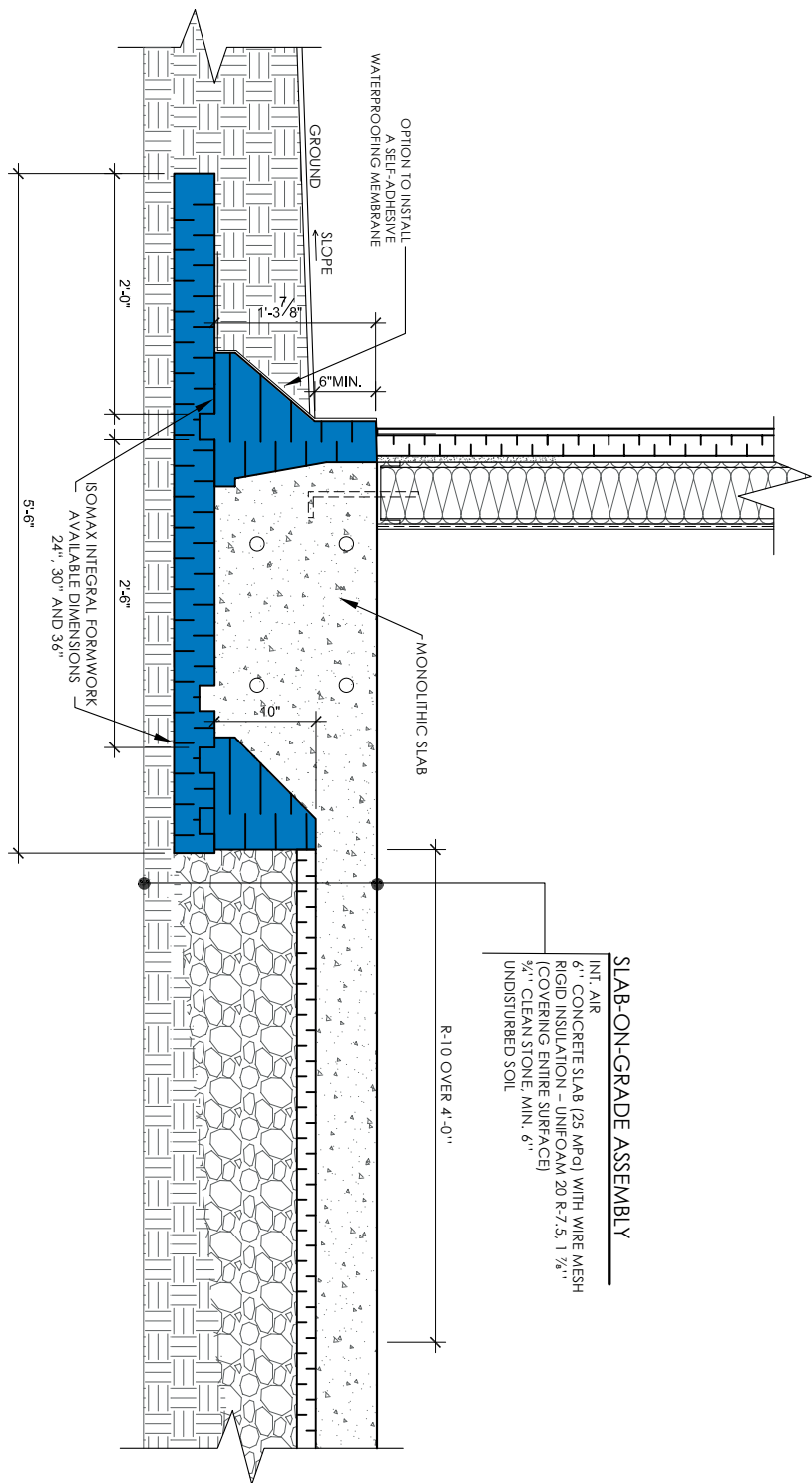






polyform 855 Bd Industriel, Granby, QC J2J 1A6		THE INFORMATION CONTAINED IN THIS DRAWING IS A REPRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.	
DESCRIPTION		INSULATED FORMWORK - MONOLITHIC SLAB / INSULATED FORMWORK WALL	
PRODUCT		ISOMAX INTEGRAL	
SCALE		3/4"=1'-0"	
DATE		02/09/2021	NO. C.12





polyform 855 Bd Industriel, Granby, QC J2J 1A6		THE INFORMATION CONTAINED IN THIS DRAWING IS A REPRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.	
DESCRIPTION - INSULATED FORMWORK - MONOLITHIC SLAB / STEEL WALL		PRODUCT	ISOMAX INTEGRAL
SCALE		3/4" = 1'-0"	
DATE		02/09/2021	NO. C.13

