

ISOMAX®

Continuous Footing Insulation System

ISOMAX[®]

DESCRIPTION

Footings insulation system

- 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



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

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·ft 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 10-5c-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.



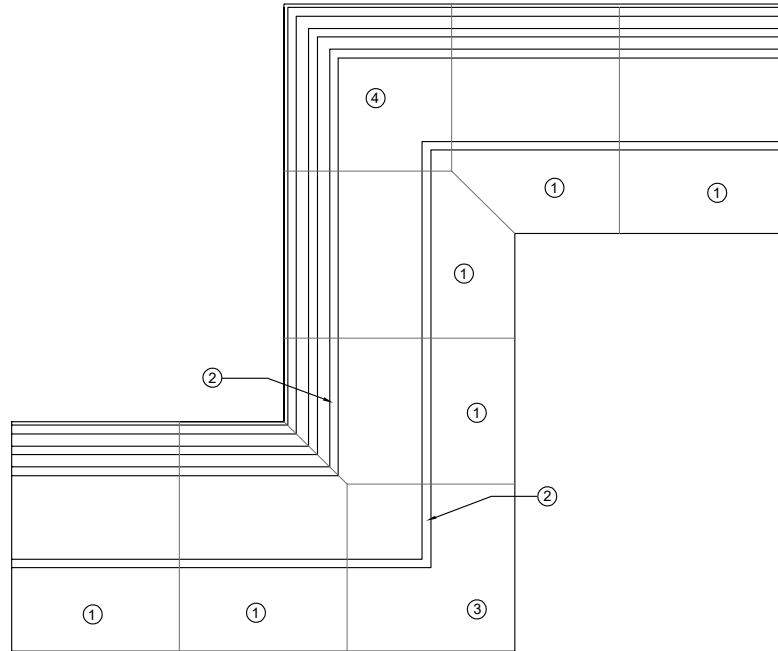
The expanded polystyrene used to manufacture ISOMAX® is Intertek certified (ETL Listed) in accordance with **ULC S701**.

Warning

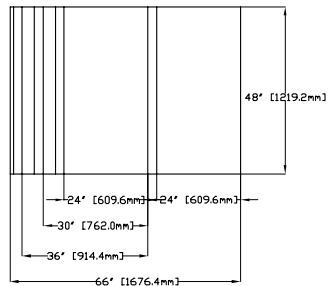
Flammable: interior applications require a protective barrier.

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.

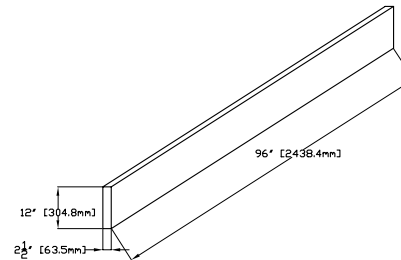
LIST OF COMPONENTS FOR ISOMAX® FORM SYSTEM



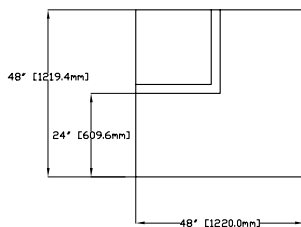
① STRAIGHT BOARD



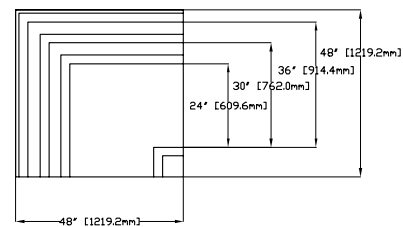
② EXTERIOR SIDE BOARD



③ EXTERIOR CORNER BOARD

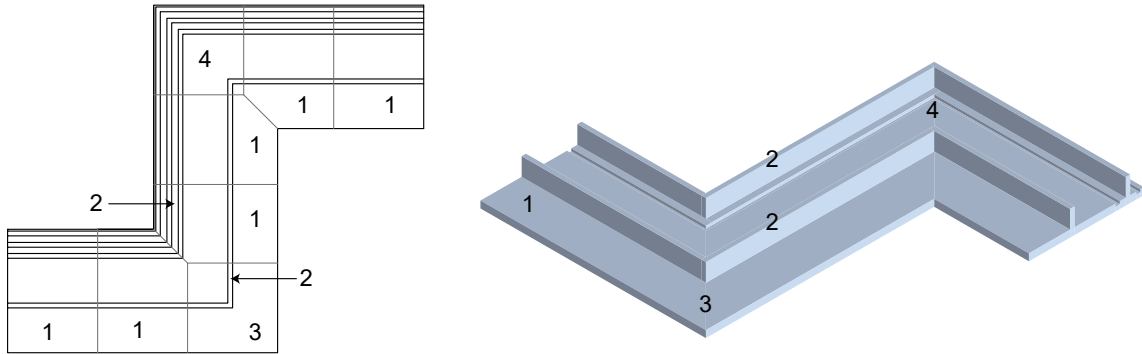


④ EXTERIOR CORNER BOARD

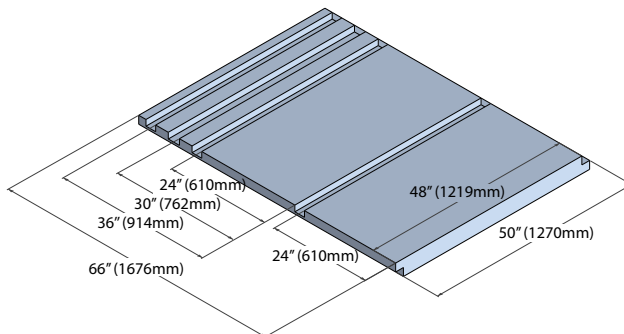


ISOMAX®

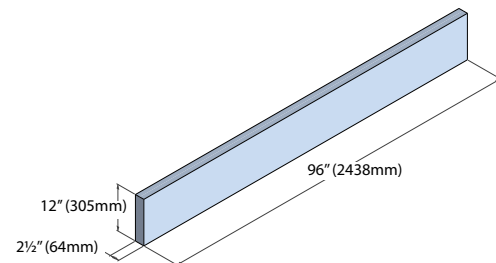
LIST OF COMPONENTS FOR ISOMAX® FORM SYSTEM



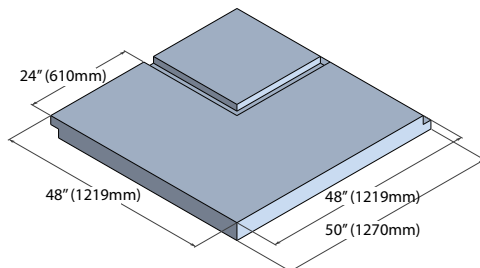
1 - STRAIGHT BOARD



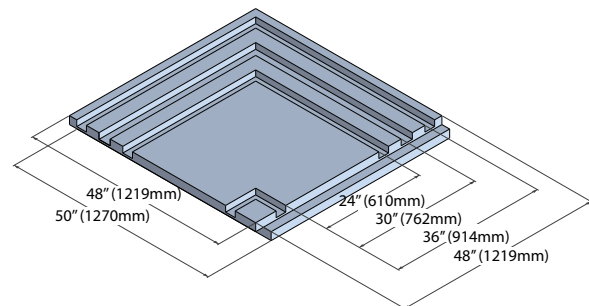
2 - SIDE BOARD



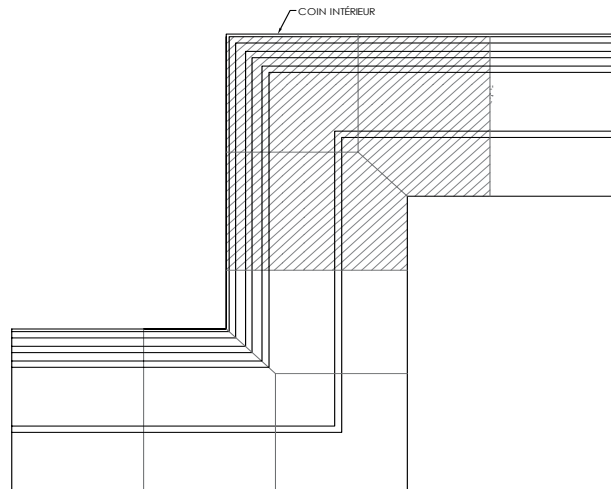
3 - EXTERIOR CORNER BOARD



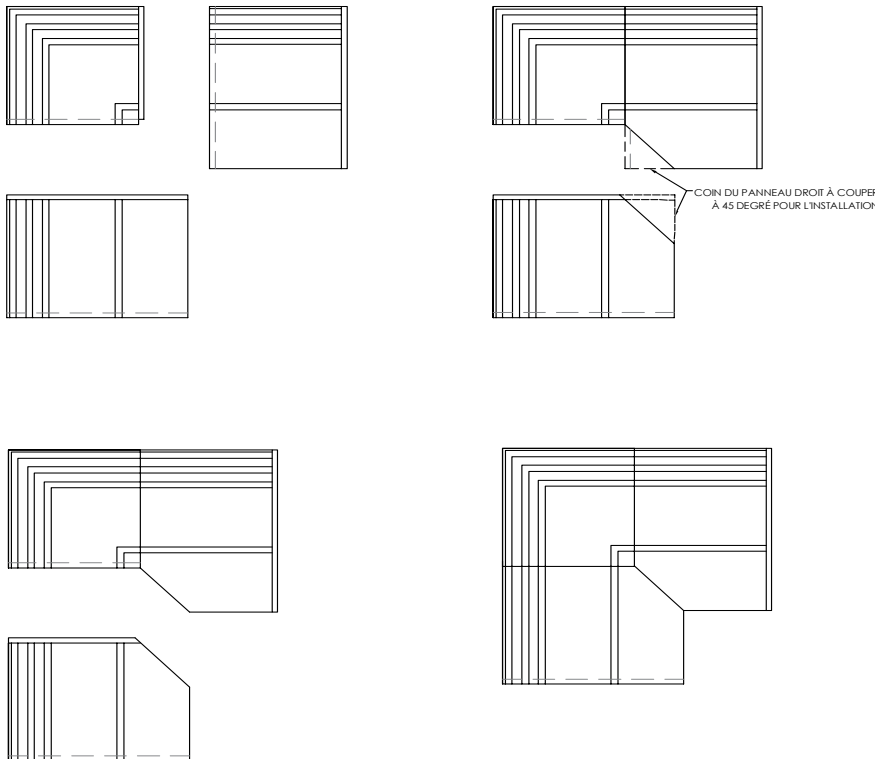
4 - INTERIOR CORNER BOARD



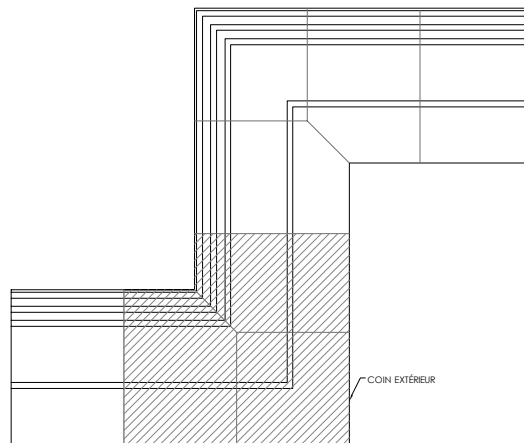
INSTALLATION TIPS Universal inside corner



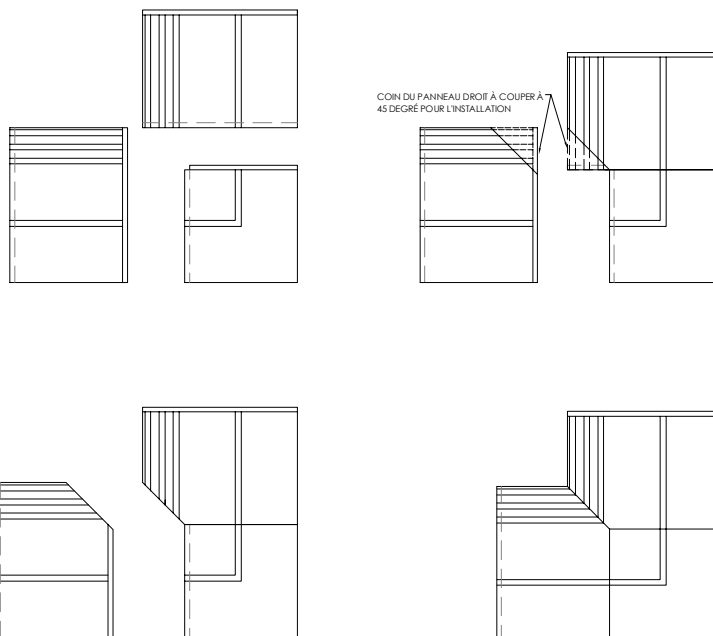
1. Place the panel in the corner.
2. Place one of the panels right, make a cut à 45°.
3. Repeat step 2 with a second panel.
4. Final assembly.



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.



INSTALLATION TIPS



1. Place universal corners first.



2. Place straight boards.



3. Place side boards.



4. Put the rebar reinforcement inside the footing.

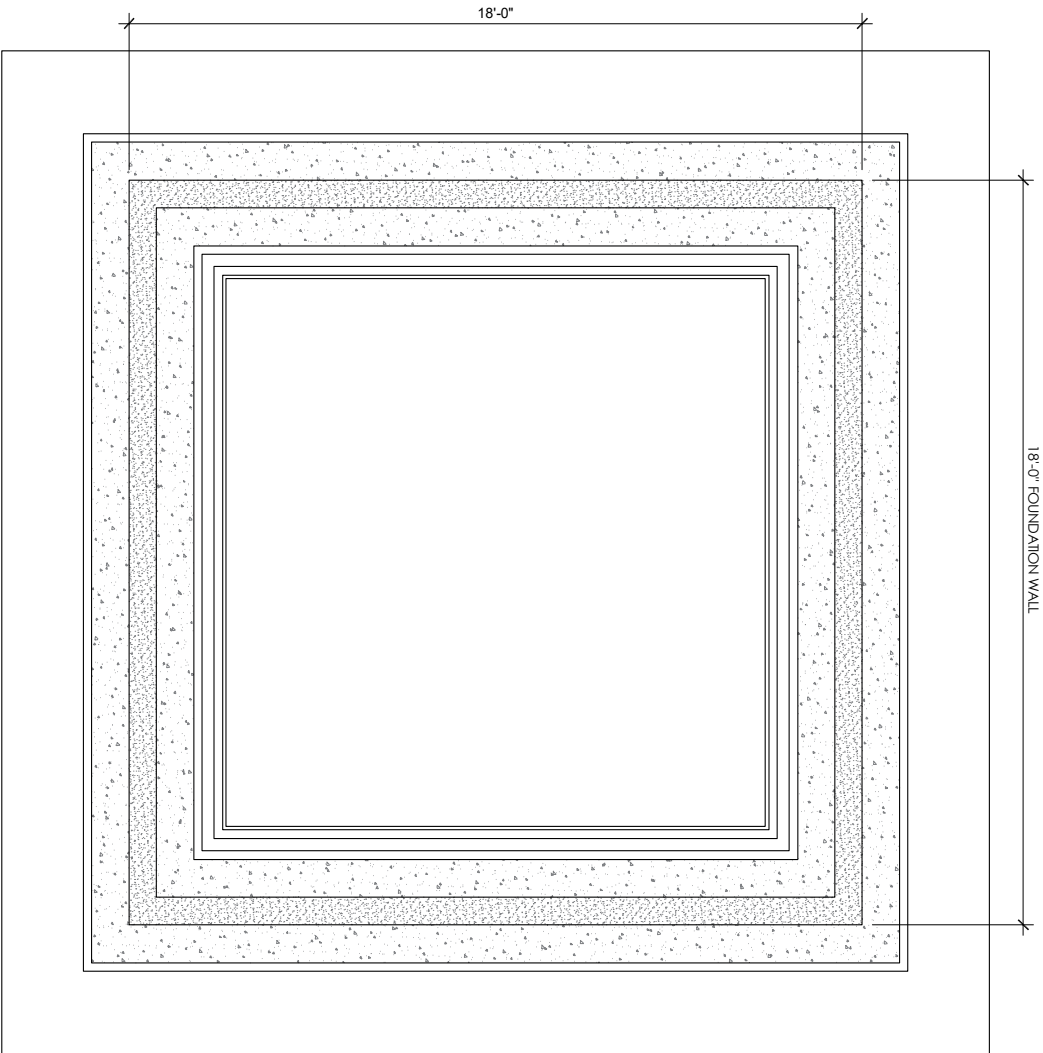


5. Strengthen the top of the formwork temporarily and pour in concrete

Note: Some municipalities require soil testing and engineering approvals.

ISOMAX[®]





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

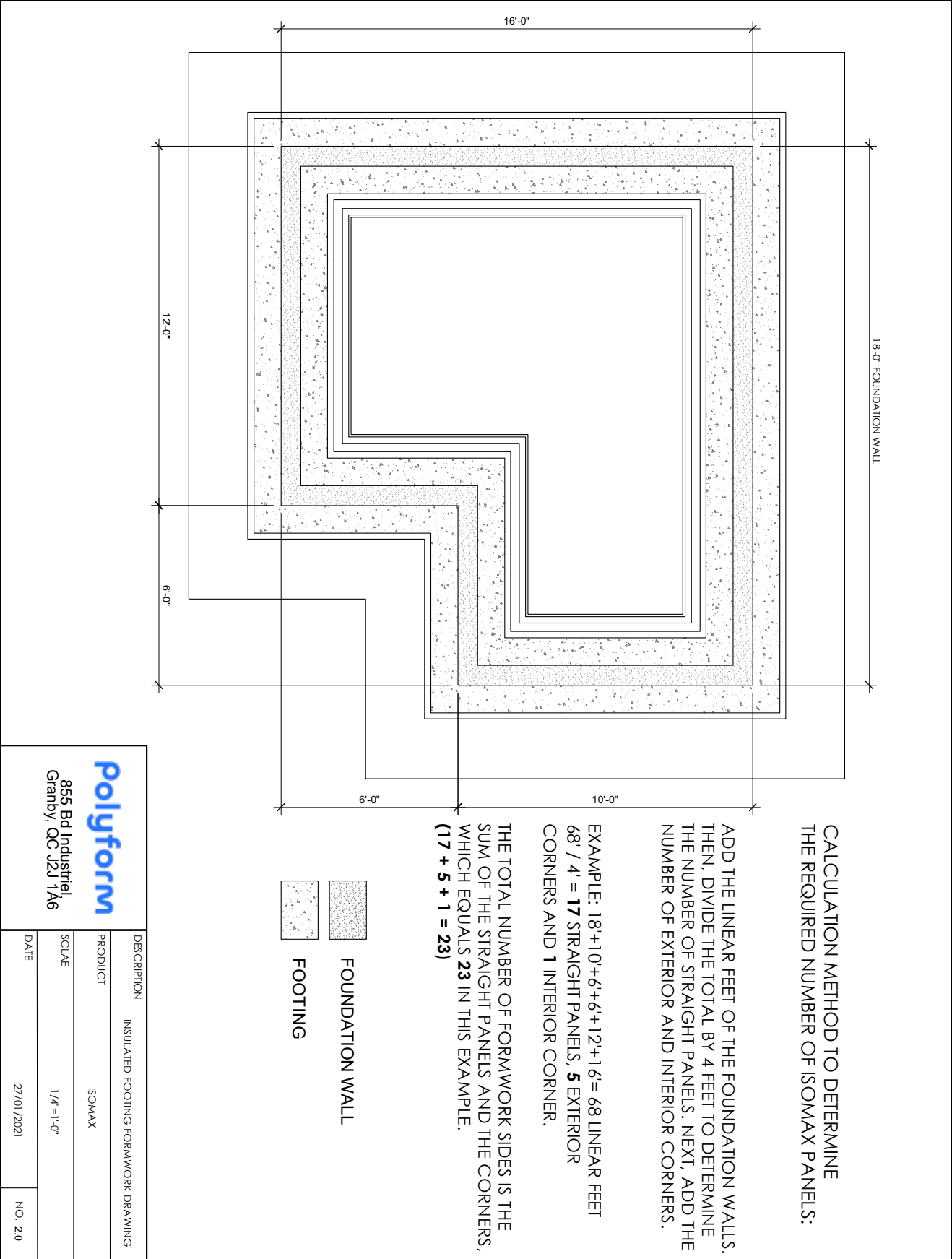
THE TOTAL NUMBER OF FORMWORK SIDES IS THE SUM OF STRAIGHT PANELS AND CORNERS, WHICH EQUALS **22** IN THIS EXAMPLE. (**18 + 4 = 22**)

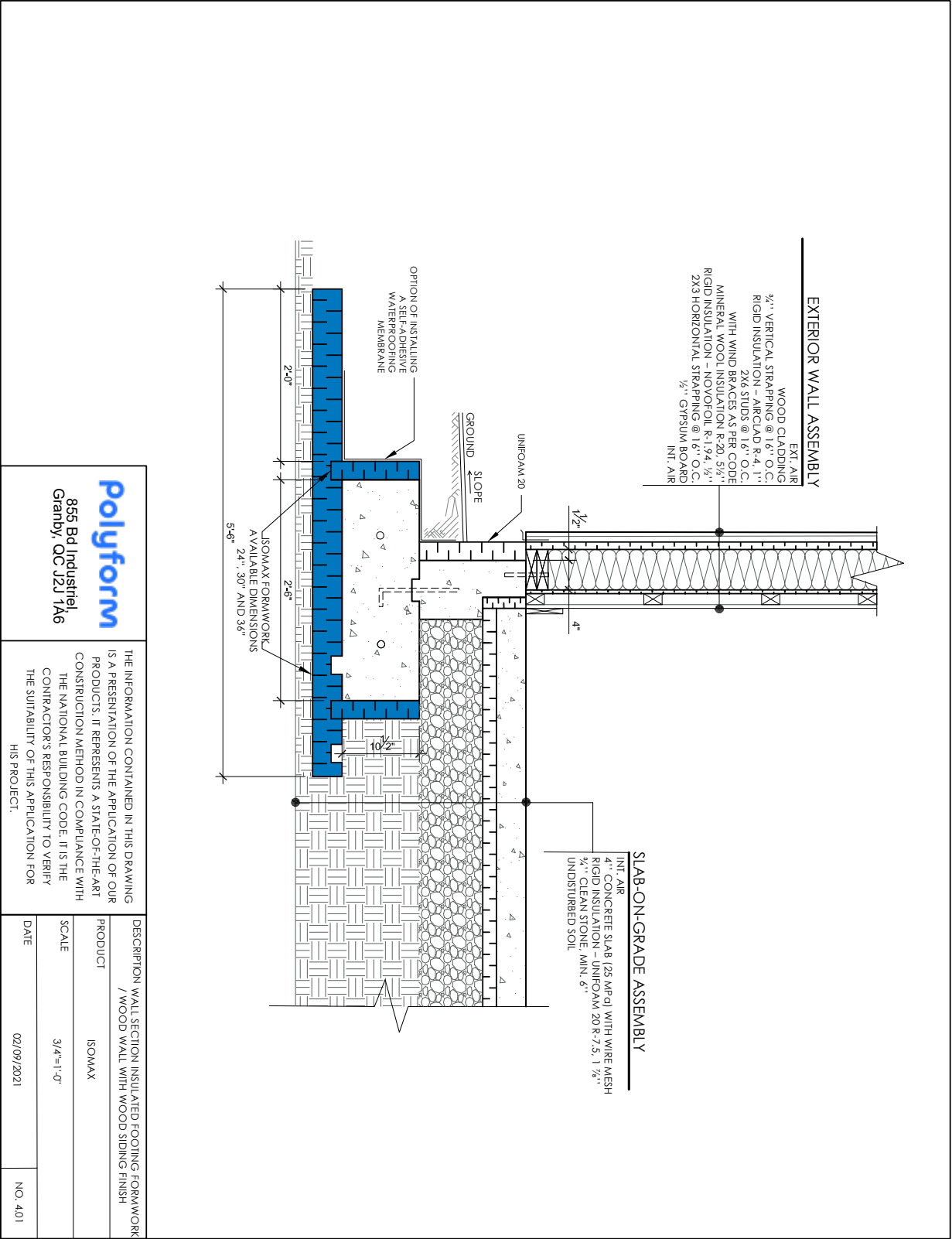


DESCRIPTION		CALCULATION METHOD	
PRODUIT		ISOMAX	
ÉCHELLE		1/4"=1'-0"	
DATE		16/06/2021	NO. 1.0

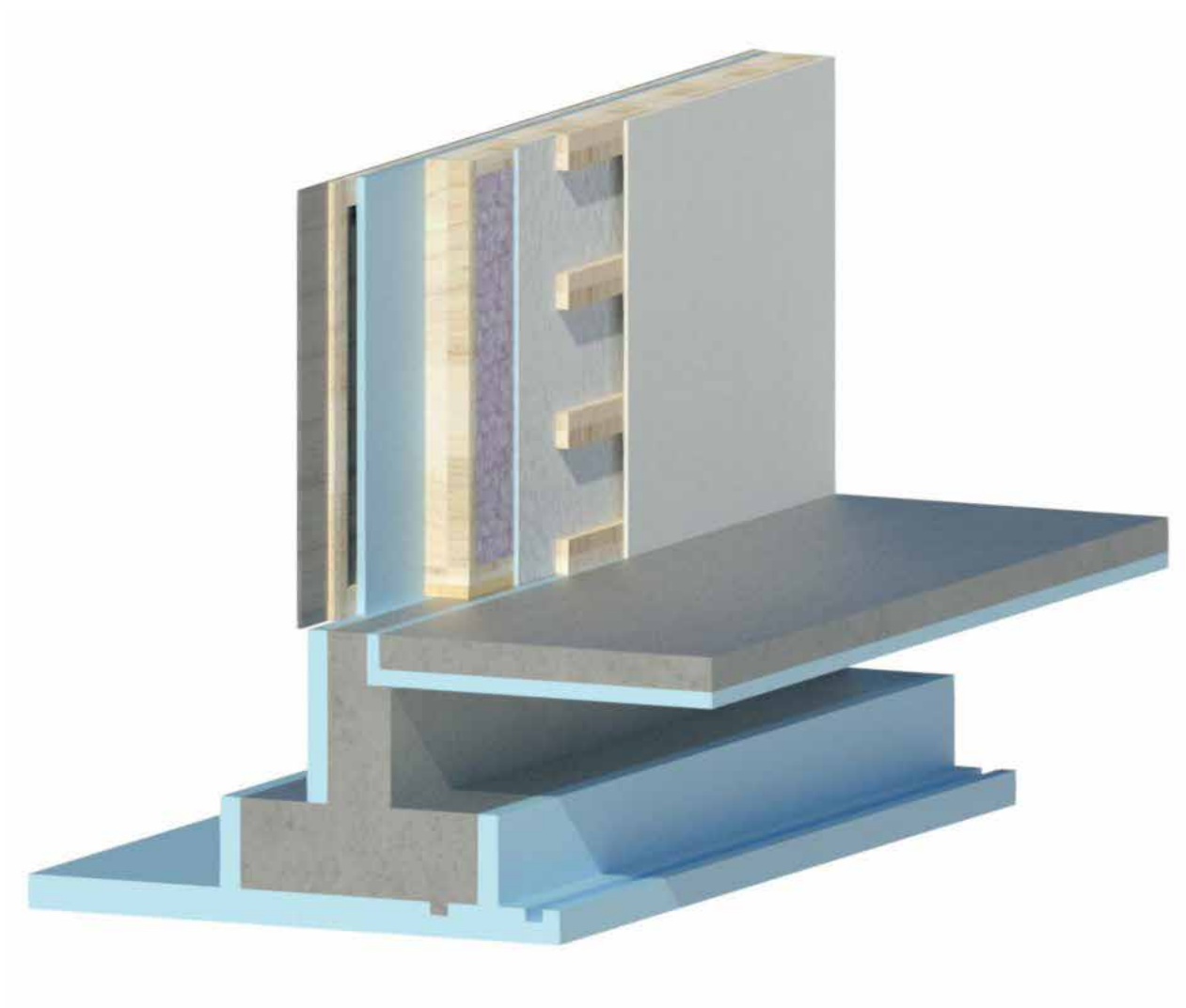
polyform

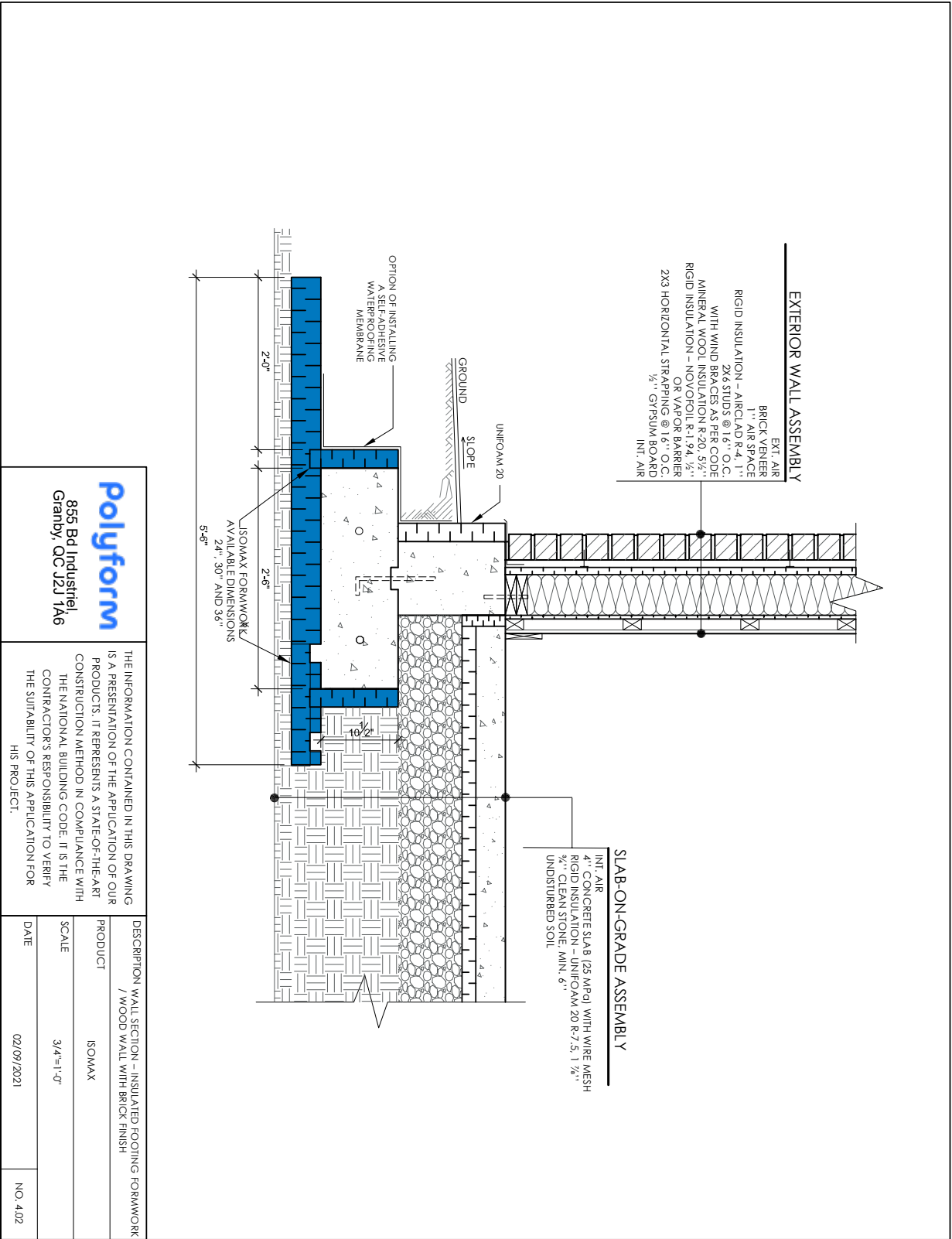
855 Bd Industriel
Granby, QC J2J 1A6





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 FOOTING FORMWORK / WOOD WALL WITH WOOD SIDING FINISH		PRODUCT	ISOMAX
SCALE		3/4"=1'-0"	
DATE		02/09/2021	NO. 401

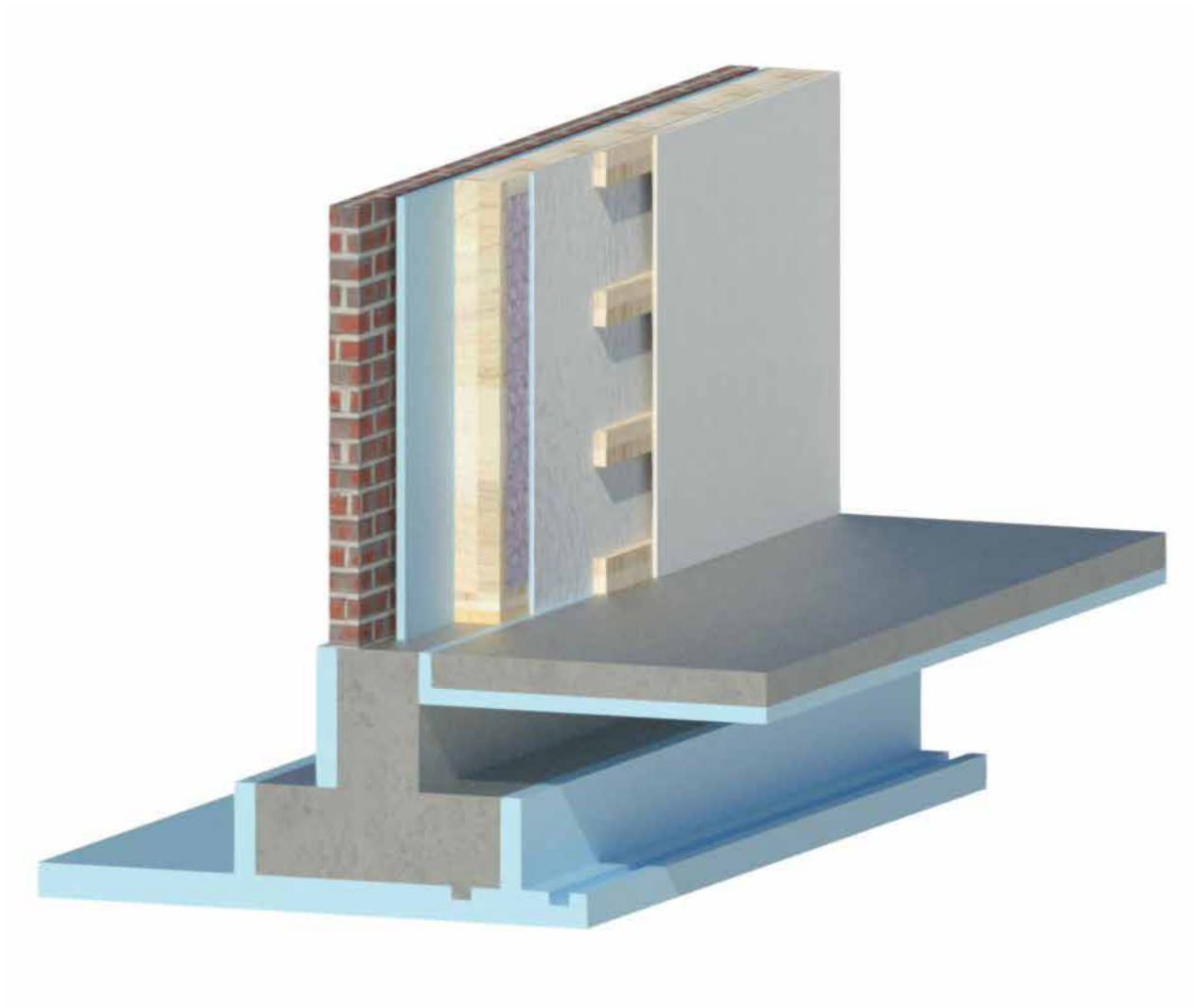


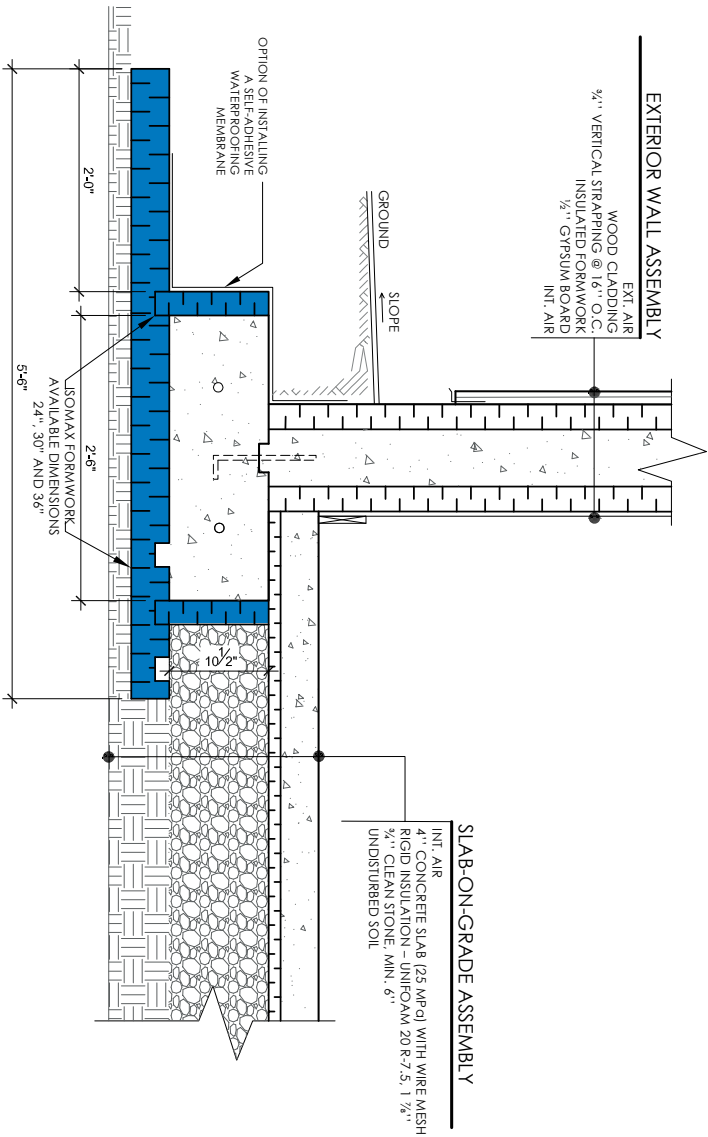


polyform
855 Bd Industriel,
Granby, QC J2J 1A6

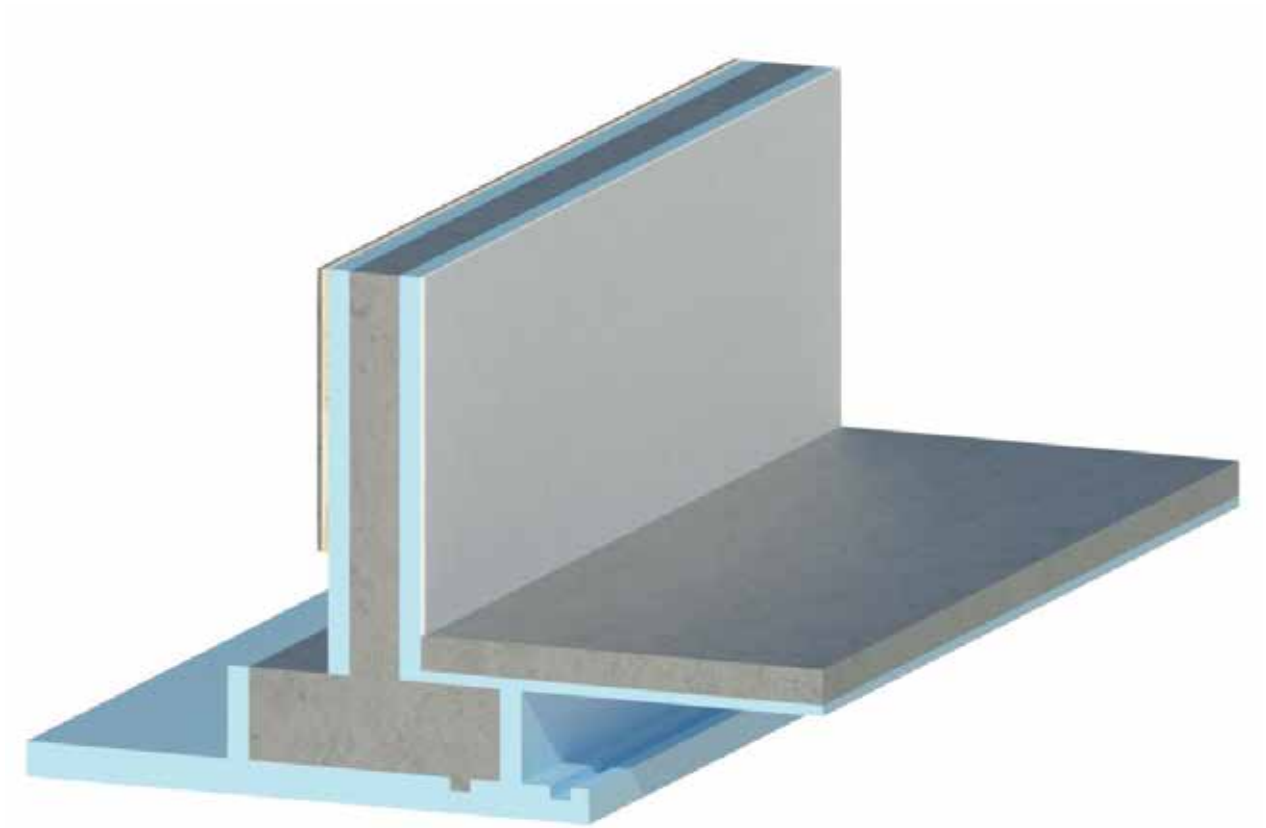
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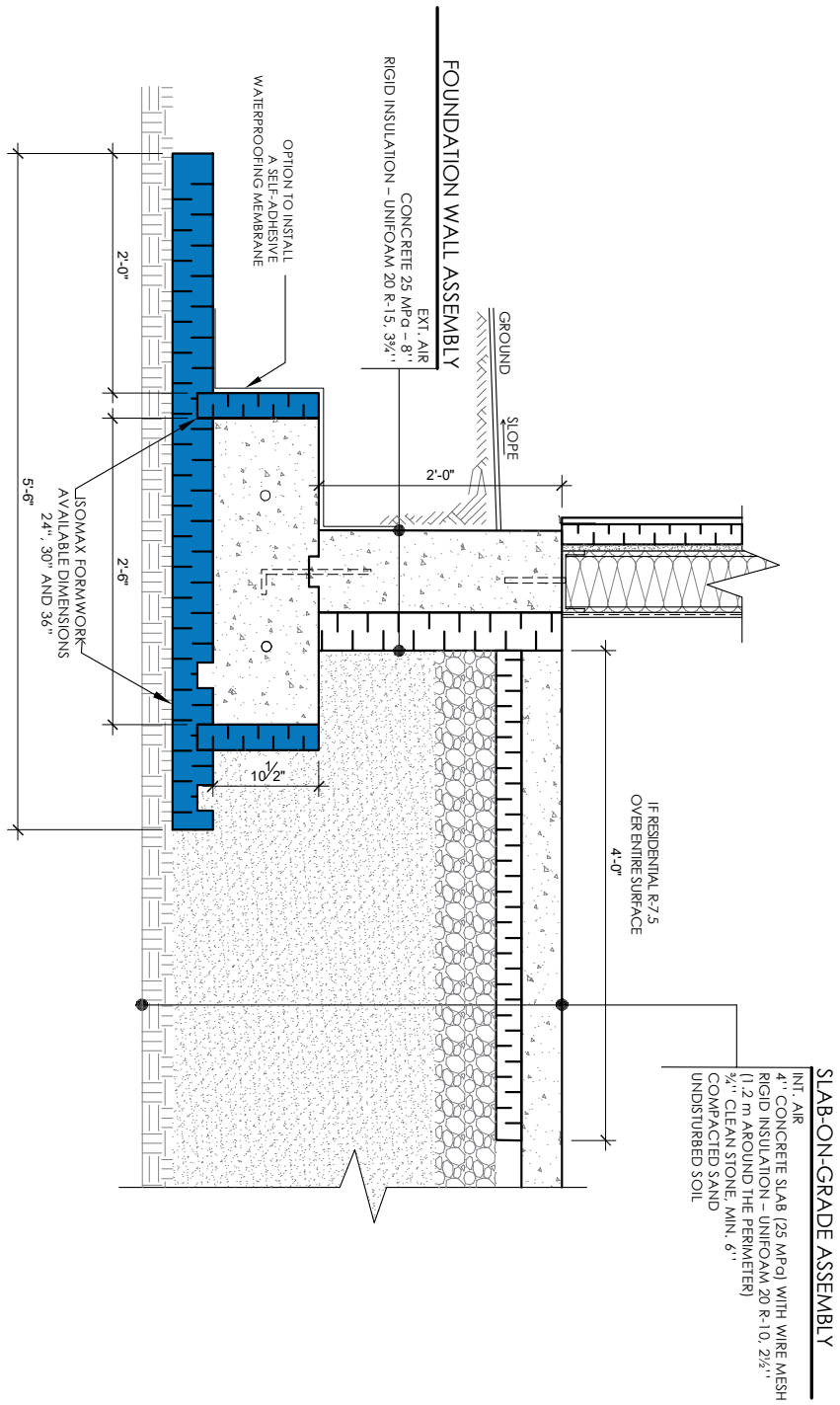
DESCRIPTION / WALL SECTION - INSULATED FOOTING FORMWORK / WOOD WALL WITH BRICK FINISH		
PRODUCT	ISOMAX	
SCALE	3/4"=1'-0"	
DATE	02/09/2021	NO. 4.02

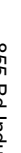


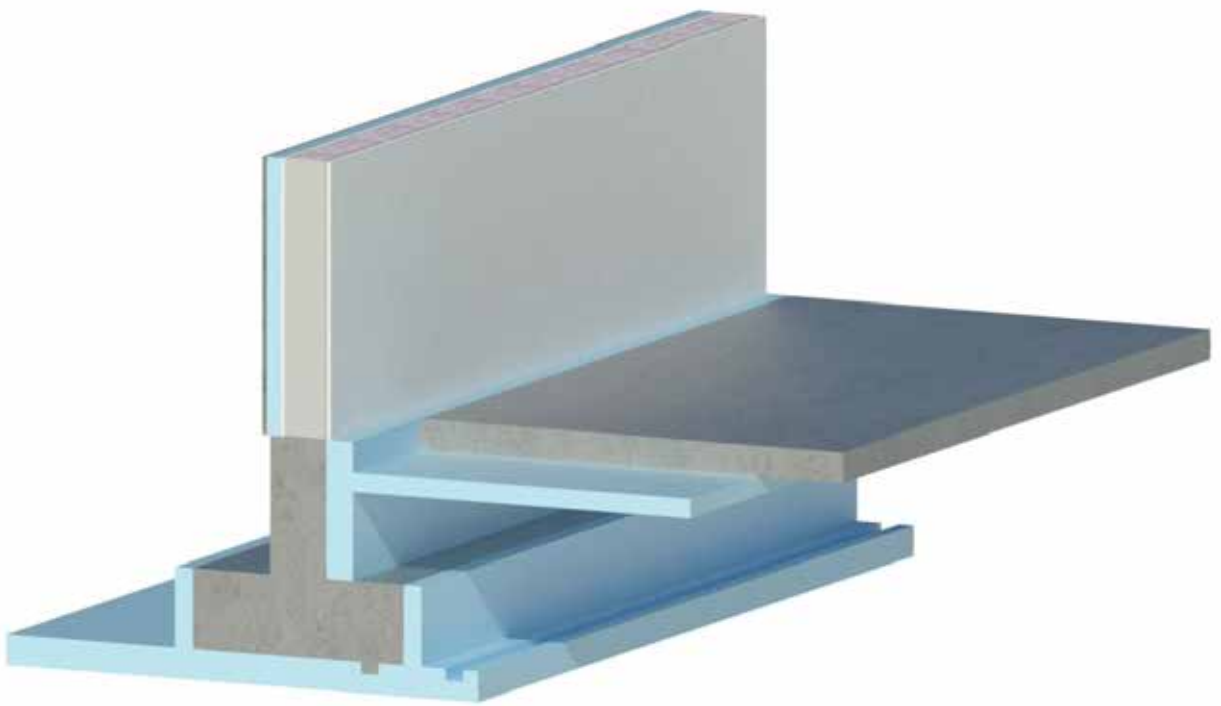


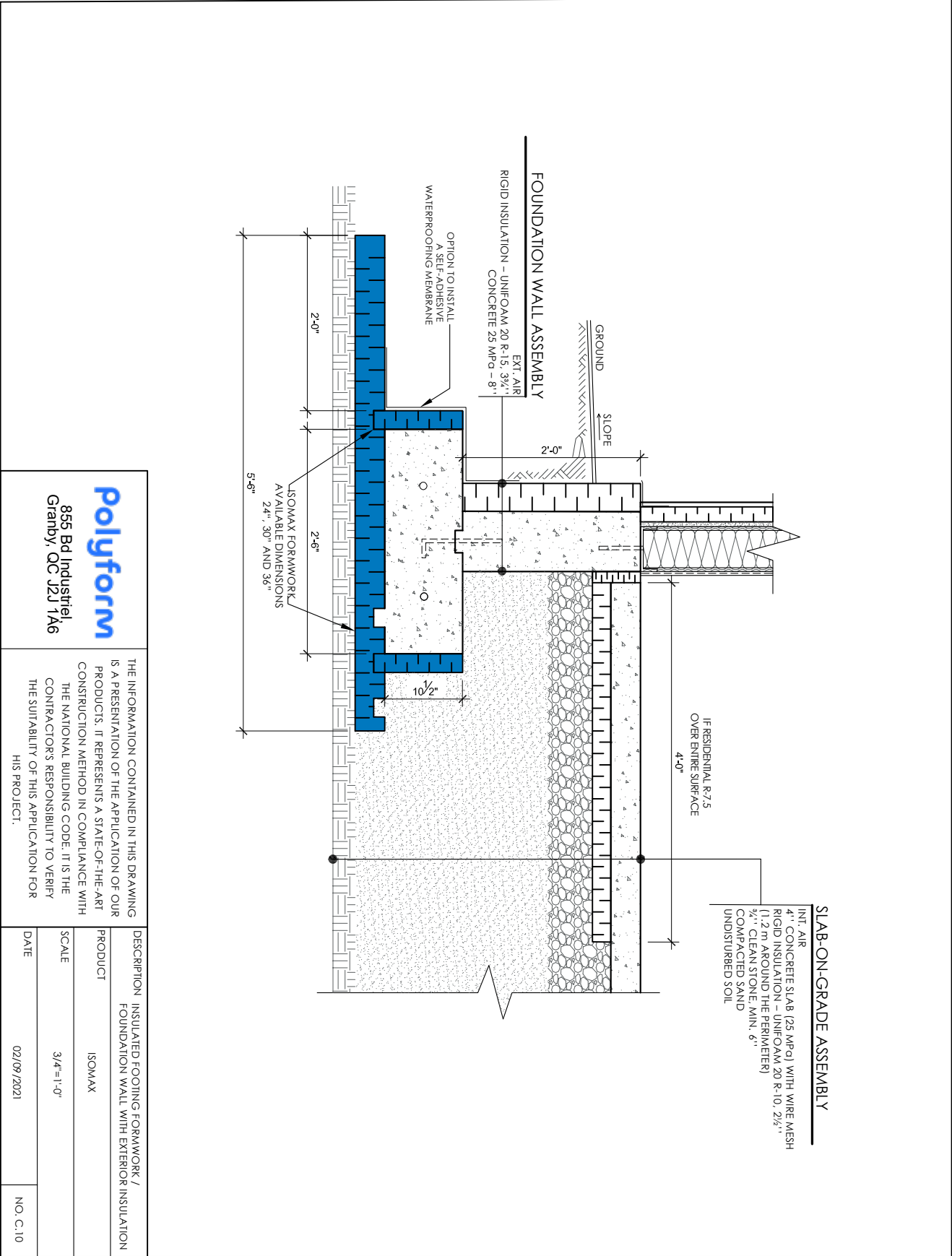
polyform 855 Bd Industriel, Granby, QC J2J 1A6		THE INFORMATION CONTAINED IN THIS DRAWING IS A PRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.	
DESCRIPTION WALL SECTION - INSULATED FOOTING FORMWORK / INSULATED FORMWORK WALL		PRODUCT	ISOMAX
SCALE		3/4"=1'-0"	
DATE		03/06/2021	NO. 403

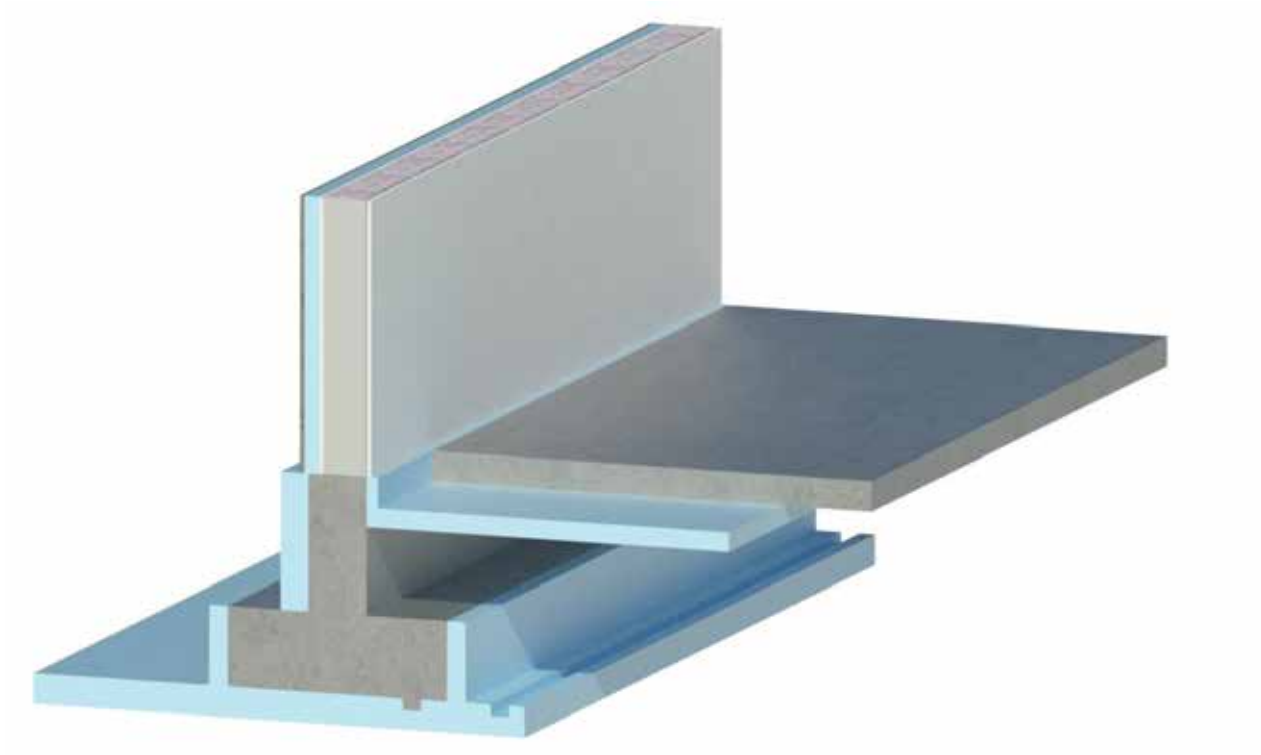


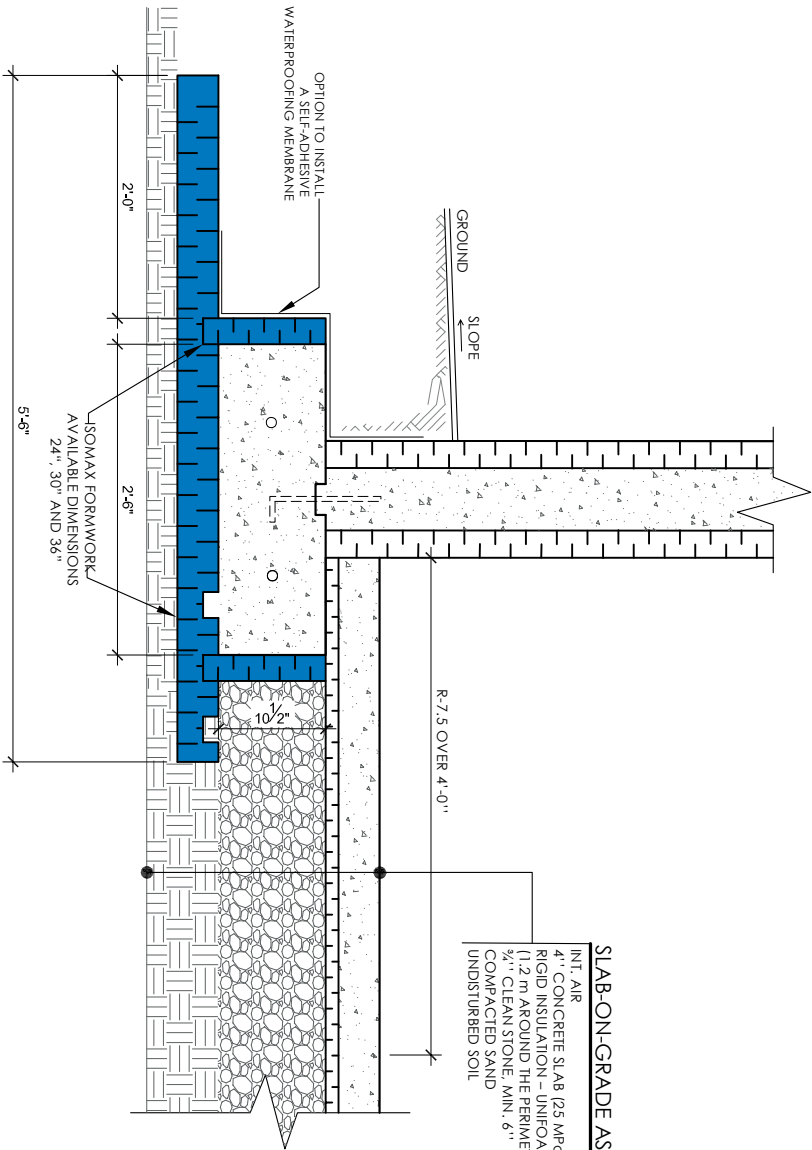


 855 Bd Industriel Granby, QC J2J 1A6		THE INFORMATION CONTAINED IN THIS DRAWING IS A PRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF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

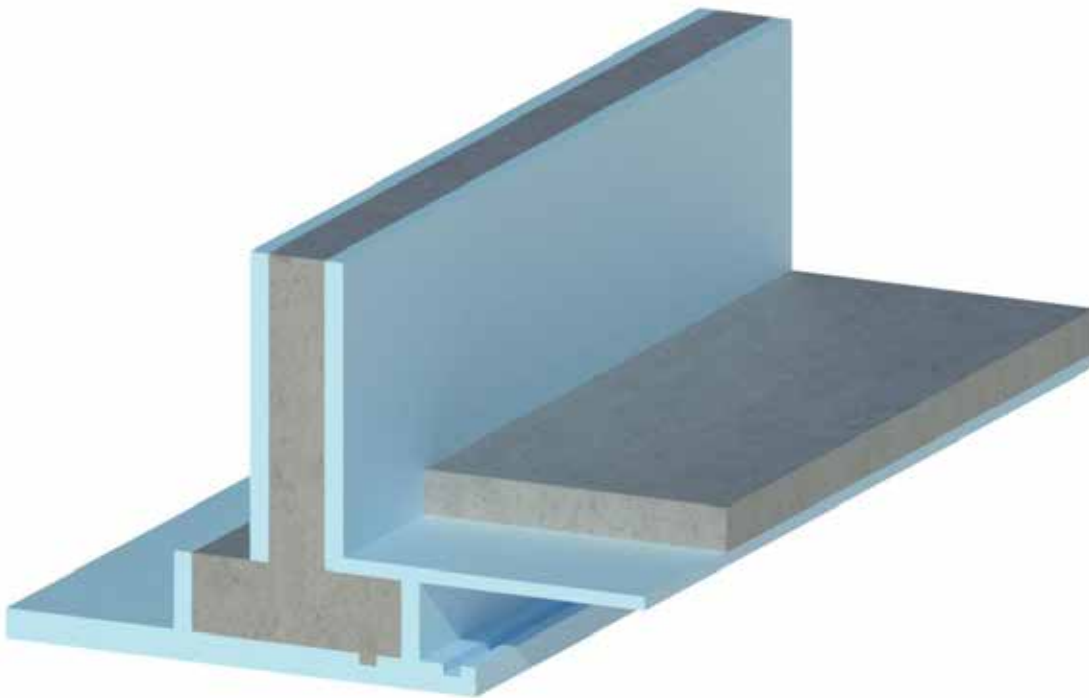


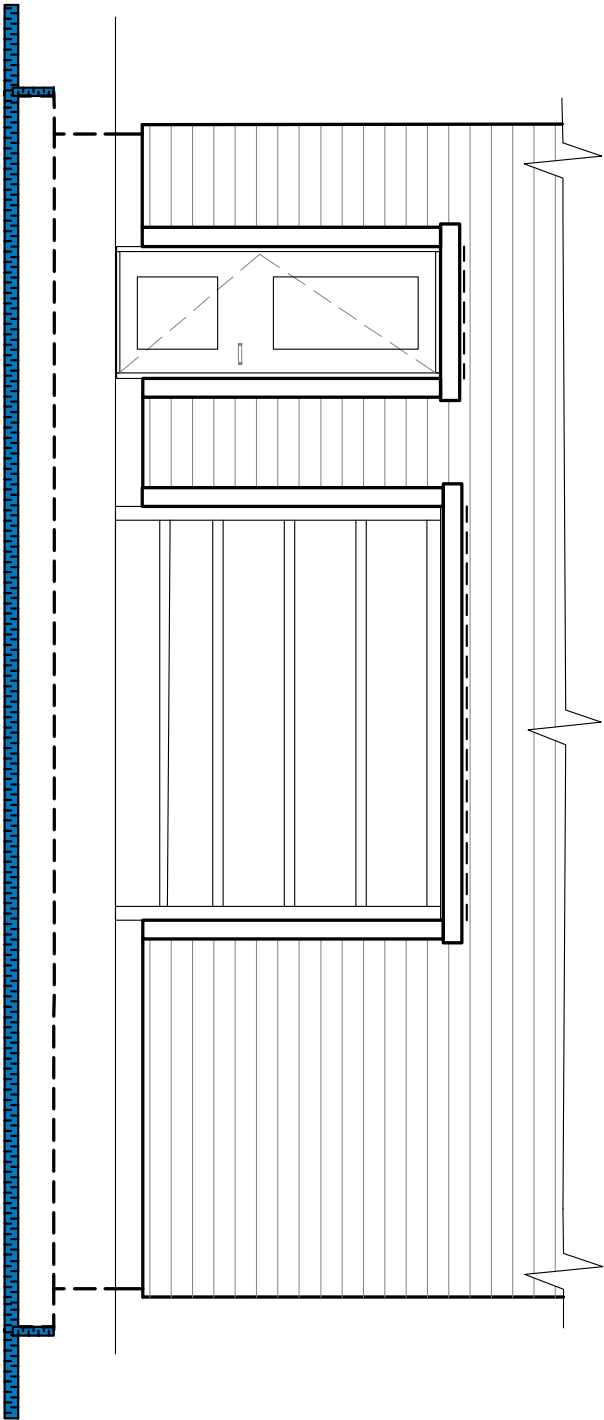




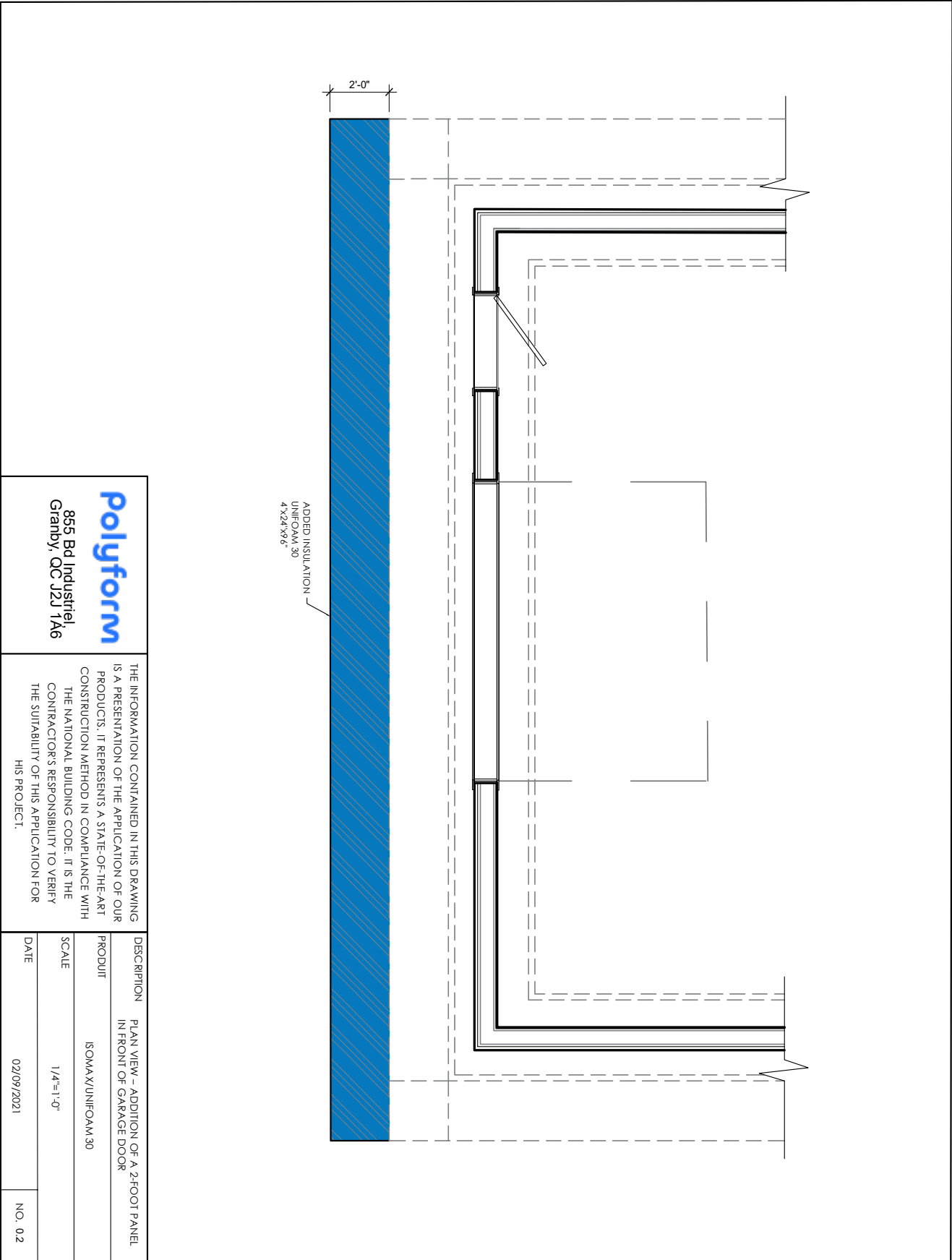


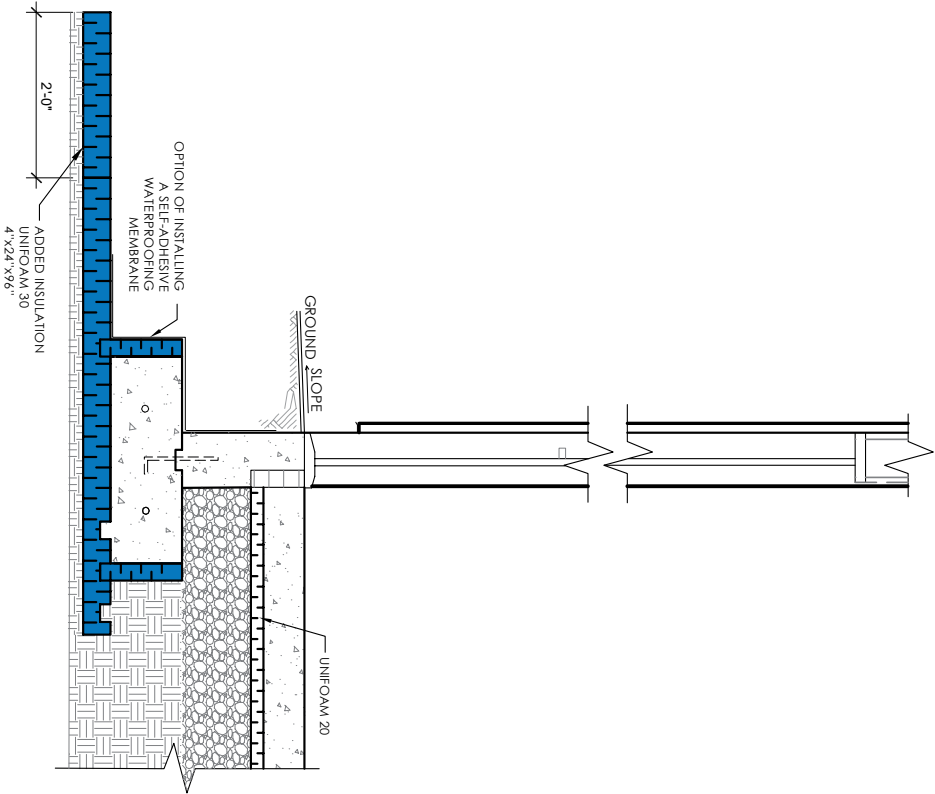
855 Bd Industriel, Granby, QC J2J 1A6		THE INFORMATION CONTAINED IN THIS DRAWING IS A PRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.	
Polyform		DESCRIPTION INSULATED FOOTING FORMWORK / INSULATED FORMWORK WALL	
		PRODUCT	ISOMAX
		SCALE	3/4"=1'-0"
		DATE	02/09/2021
			NO. C.11



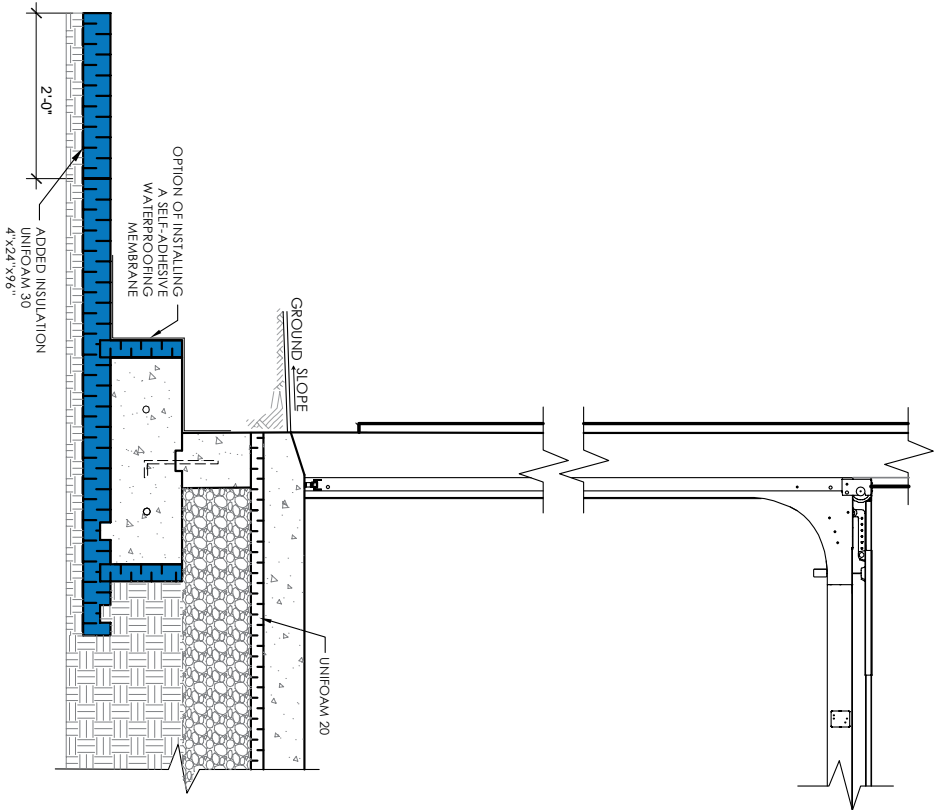


Polyform 855 Bd Industriel, Granby, QC J2J 1A6		THE INFORMATION CONTAINED IN THIS DRAWING IS A PRESENTATION OF THE APPLICATION OF OUR PRODUCTS. IT REPRESENTS A STATE-OF-THE-ART CONSTRUCTION METHOD IN COMPLIANCE WITH THE NATIONAL BUILDING CODE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SUITABILITY OF THIS APPLICATION FOR HIS PROJECT.	
DESCRIPTION	ELEVATION	PRODUCT	ISOMAX/UNIFOAM 30
SCALE	1/4"=1'-0"	DATE	2021/09/02
			NO. 0.1





EXTERIOR DOOR WALL SECTION



GARAGE DOOR WALL SECTION

855 Bd Industriel, Granby, QC J2J 1A6 Polyform		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		EXTERIOR DOOR AND GARAGE DOOR WALL SECTION - INSULATION ADDITION DETAIL	
PRODUCT		ISOMAX/UFI-FOAM 30	
SCALE		1/2"=1'-0"	
DATE		2021/09/02	
		NO. 0.3	