



# THE Xi+ WALL

## PRECAST FOUNDATION SYSTEM

### DRY

*Your permanent barrier against sidewall water penetration*

- 1 Clean Crushed Stone Footing Shown  
(Standard Concrete Footing or Piles may also be used)
- 2 Auxiliary Drain Pipe
- ◆ Superior Sealant® Applied in All Joints for Permanent Moisture Barrier

### WARM

*Warmer in winter, cooler in summer... reduces your home's energy loss*

- 3 5" Neopor® Rigid Thermal Insulation
- 4 1" Foam Insulation on Concrete Studs
- 5 1" Foam Insulation on Bond Beam
- 6 1" Foam Insulation on Footer Beam

### SMART

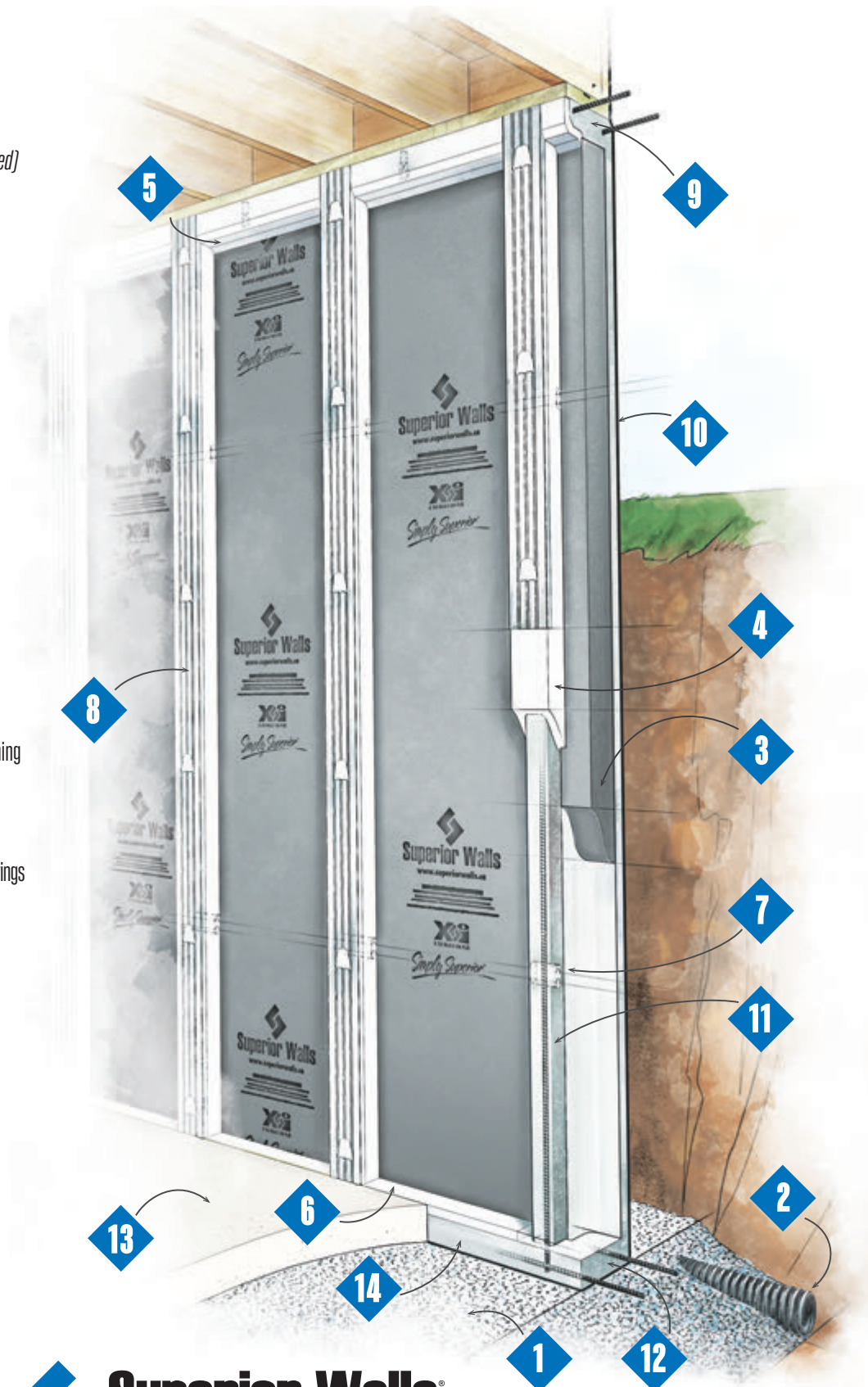
*Ready to finish... with access built-in*

- 7 Access Holes for Ease in Wiring and Plumbing
- 8 Galvanized Steel Stud Facing Ready for Drywall Finishing
- ◆ CAD Custom-Designed to Virtually Any Home Style
- ◆ Laser-Leveled to be Plumb, Level, Square
- ◆ Installs on Your Site in Just Hours for Time and Money Savings

### SUPERIOR

*Created in a controlled factory environment to ensure that your new home's foundation will be built to the industry's highest standards...*

- ◆ 5,000+ PSI (34.4 Mpa) Concrete for Superior Strength
- ◆ 10-1/4" Overall Wall Thickness
- 9 Steel Reinforced Top Bond Beam
- 10 1-3/4" Concrete Face Shell
- 11 Steel Reinforced Concrete Studs
- 12 Steel Reinforced Footer Beam
- 13 Concrete Floor
- 14 4" Thick Footer Beam, No Need for Additional Screed Board



**Special Note:** Items #1, 2 & 13 as well as the joist/flooring system are provided on site per Superior Walls specifications by builder and contractors as an integral part of the Superior Walls foundation system.





# EXTRA STRENGTH. EXTRA INSULATION.

- ◆ Provided with Neopor<sup>®</sup> Rigid Thermal Insulation = R-23+
- ◆ 5000+ PSI (34.4 Mpa) concrete reinforced with rebar and polypropylene fibers
- ◆ Precast access holes for wiring and plumbing
- ◆ Thermally isolated/insulated from exterior
- ◆ Insulated corners, studs and bond beam
- ◆ Monolithically poured = greater strength
- ◆ Galvanized steel stud facing
- ◆ May be insulated up to R-42+
- ◆ Precast openings for windows and doors
- ◆ Reduces building time
- ◆ Ready in virtually any weather

## Superior In Every Way.

[www.superiorwalls.ca](http://www.superiorwalls.ca)



## PRODUCT INFORMATION

*Superior Walls* foundations feature patented, insulated, precast concrete wall panels that are formed in a factory-controlled setting and delivered to the new home job site, where the panels are lifted into position with a crane and carefully bolted together and sealed. The walls are custom-designed and built to virtually any architectural style, complete with window and door openings. *For more information see: [www.superiorwalls.ca](http://www.superiorwalls.ca).*

*Superior Walls* panels are available in a variety of standard heights and custom lengths to suit your project. The maximum axial load (uniform house weight) for this product is 7500 pounds per linear foot. Special point loads up to 50,000 pounds can be accommodated.

### QUALITY ASSURANCE

Each manufacturing plant is regularly inspected by an independent third-party inspection agency to ensure compliance with the Quality Assurance program. In addition, manufacturing and installation personnel are certified by *Superior Walls*.

### DAMP-PROOFING

The concrete used in the *Superior Walls* wall systems provides protection against freeze/thaw cycles and water vapor transmission. The urethane sealant used between panels provides superior protection against water penetration.

### VAPOR BARRIER

No Vapor barrier required. Permeance of the *Superior Walls* panels have been tested in accordance with ASTM E96.

### FIRE RESISTANCE

Neopor<sup>®</sup> Insulation exhibits the following surface burning characteristics: flame spread of less than 25 and a smoke developed index of less than 450.

*Superior Walls* products qualify as a two-hour fire separation wall when two layers of 5/8" Type 'X' drywall are applied to the studs.

*Superior Walls brand products are manufactured and installed by independently owned and operated factories licensed by Superior Walls of America, Ltd. Check with your local Superior Walls representative for availability.*



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