Per foot of foundation wall length:						
	Unit	**4'-0" Xi Plus**	**4'-8" Xi Plus**	**8'-2" Xi Plus**	**9'-0" Xi Plus**	**10'-0" Xi Plus**
Rebar / Concrete Reinforcing Steel Institute [Industry Avg | N.America] / #3	**ft**	4	4	4	4	4
Rebar / Concrete Reinforcing Steel Institute [Industry Avg | N.America] / #4	**ft**	2	2.3333	4.0833	4.5	5
Steel studs - Non-loadbearing / Steel Recycling Institute / 20EQ gauge [Industry Avg, US+Can]	**ft**	2.4	2.8	4.9	5.4	6
EPS foam board / R 4.0/inch avg [BEAM Avg | US & CA]	**ft² - R 4.0**	16.4656	19.4701	35.2434	38.9990	43.5056
Polyisocyanurate / Wall Boards / DuPont / Thermax / R 6.5/inch	**ft²- R 3.25**	2.7534	3.3023	6.1839	6.8700	7.6934
Concrete – 31-35 MPa, Canadian Benchmark Average / CRMCA [Industry Avg | CA]	**yd³**	0.0415	0.0465	0.0730	0.0793	0.0868
Aggregate / US Average [Industry Avg]	**yd³**	0.0864	0.0864	0.0864	0.0864	0.0864

Example:

Calculate the materials used for a 40' long section of Xi Plus wall that is 8'-2" tall

1. Copy the column labeled with the height of your wall

2. Multiply all numbers by the length of your wall in ft.

3. Enter all the numbers into the BEAM calculator in the "Additional materials" section

	Unit	**8'-2" Xi Plus (per foot)**	**8'-2" Xi Plus (40 ft long)**
Rebar / Concrete Reinforcing Steel Institute [Industry Avg | N.America] / #3	**ft**	4	160
Rebar / Concrete Reinforcing Steel Institute [Industry Avg | N.America] / #4	**ft**	4.0833	163.3333
Steel studs - Non-loadbearing / Steel Recycling Institute / 20EQ gauge [Industry Avg, US+Can]	**ft**	4.9	196.0000
EPS foam board / R 4.0/inch avg [BEAM Avg | US & CA]	**ft² - R 4.0**	35.2434	1409.7365
Polyisocyanurate / Wall Boards / DuPont / Thermax / R 6.5/inch	**ft²- R 3.25**	6.1839	247.3573
Concrete – 31-35 MPa, Canadian Benchmark Average / CRMCA [Industry Avg | CA]	**yd³**	0.0730	2.9190
Aggregate / US Average [Industry Avg]	**yd³**	0.0864	3.4568

	Notes
Rebar / Concrete Reinforcing Steel Institute [Industry Avg | N.America] / #3	2 wall length pieces of #3 rebar in top beam and bottom beam (source https://youtu.be/6XZBkqlAnrw @ 3:00)
Rebar / Concrete Reinforcing Steel Institute [Industry Avg | N.America] / #4	1 wall height piece of #4 rebar in each stud (source https://youtu.be/6XZBkqlAnrw @3:00)
Steel studs - Non-loadbearing / Steel Recycling Institute / 20EQ gauge [Industry Avg, US+Can]	Gauge is a best guess since the studs are not load bearing
EPS foam board / R 4.0/inch avg [BEAM Avg | US & CA]	Based on 3D CAD model using Superior Walls documents. 1 in thick EPS around stud, header, and footer. 4.5 in thick EPS in cavity
Polyisocyanurate / Wall Boards / DuPont / Thermax / R 6.5/inch	Based on 3D CAD model using Superior Walls documents. 1/2 inch foil faced polyiso in cavity
Concrete – 31-35 MPa, Canadian Benchmark Average / CRMCA [Industry Avg | CA]	Based on 3D CAD model using Superior Walls documents. Assumed 31-35 MPA since it is the highest strength concrete in BEAM. Superior walls state they use 5000+ PSI concrete
Aggregate / US Average [Industry Avg]	Assuming 48 Inch wide 7 inch deep crushed stone footer