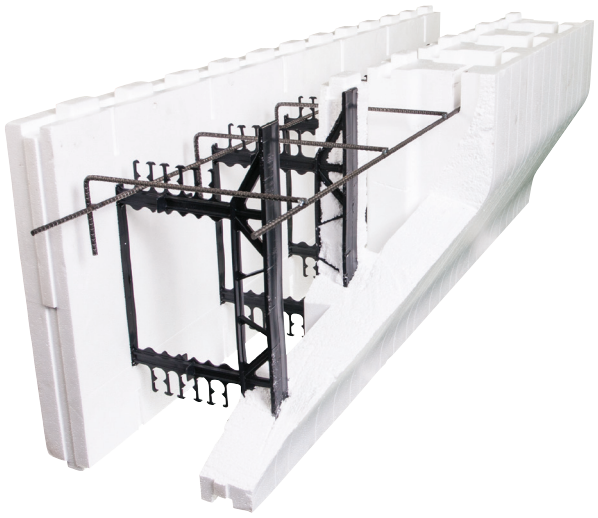
xLerator® Ledge Reinforcement

TECHNICAL BULLETIN . PRODUCTS & ACCESSORIES 1.01.13

Fox Blocks corbelled ledge block creates a ledge for the support of uniform loads from masonry or floor assemblies. Additional reinforcement is required in the corbelled concrete to provide adequate load bearing capacity.



The Fox Blocks xLerator® has been developed and patented as an efficient method to meet ACI-318 guidelines for reinforcement. There is no comparison in the efficiency between the xLerator® and pre-bent or bent-in-field rebar reinforcement recommended by other insulated concrete form companies.

This versatile patented design is 4 feet long, galvanized, one-piece, heavy gauge welded wire reinforcement specifically designed and pre-formed to easily drops into the slots in the ledge of the Fox Blocks 6" and 8" ledge blocks.

ULTIMATE LOAD CAPACITY, PU = 2000PLF	
Example Application	Calculated ultimate load tributary area X LoadX Load Factor
Brick	35 Ft. X 40 PSF X 1.4 = 1960 PLF
Stone	17.5 Ft. X 80 PSF = 1960 PLF
Wood Floor Joists	22.5 Ft. tributary area or 45 Ft. clear span 22.5 Ft. X (20 PSF X 1.2 + 40 PSF X 1.6) = 1980 PLF
Precast Hollowcore Floor	14.5 Ft. tributary area or 29 Ft. clear span 14.5 Ft. X (60 PSF X 1.2 = 40 PSF X 1.6) = 1972 PLF

Notes:

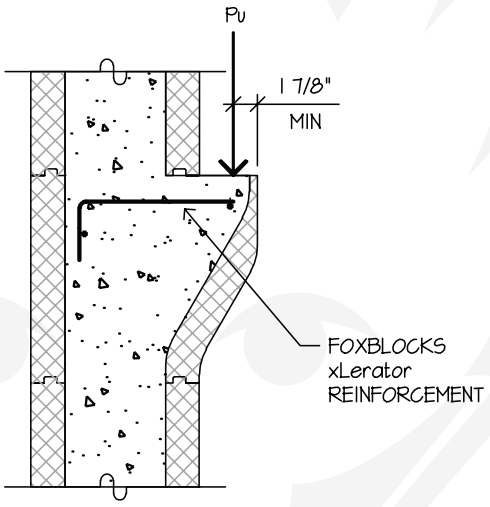
1. *Load capacity is based on a concrete strength of 2500 PSI or greater and to KSI Fox Blocks' xLerator reinforcement meeting ASTM A496*
2. *Load factors are based on ACI 318-11.*
3. *Tributary floor span is the length of floor supported by the ledge form, which is commonly half of the clear span.*
4. *Acceptable masonry heights and floor spans shown in the table are based on the structural capacity of the ledge only and may be limited by other factors. Consult a design professional for acceptable heights or unsupported masonry and floor spans.*

Refer to xLerator Engineering Load Capacity Table

Meets ACI 318 guidelines for corbeled ledge reinforcement with a Welded Wire Reinforcement @ 60,000 psi yield strength.

xLerator provides a cost reduction on labor time and materials by replacing bent rod reinforcement and the lack of a requirement for tying or lapping of reinforcement.

In all applications, the vertical leg on the xLerator faces down and is place to the inside face of the wall.



xLerator is packaged in bundles of 9

Covered by U.S. Patent #8,347,531