



# Building Guide

## ILLOWA Chapter of ICC

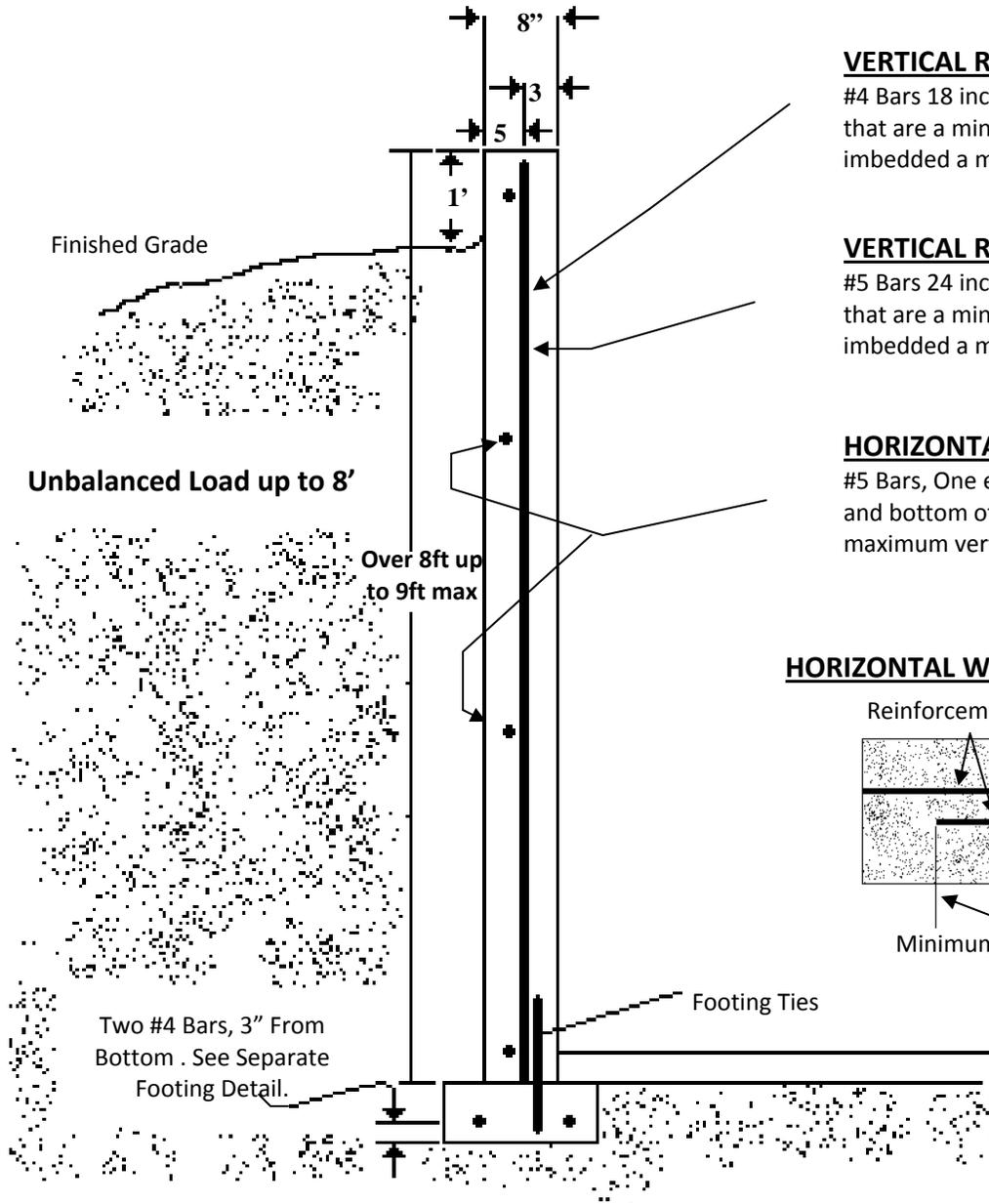


### FOUNDATION WALL REINFORCEMENT

All Foundation Walls over 8FT to 9FT in height  
with up to 8' Unbalanced load

#### IRC Figure 404.1.3.1 (a)

Note: Wall must extend 6" above finished Grade,  
Walls over 9 ft or with more than 8 ft of unbalanced load require stamped engineered drawings.



#### VERTICAL REINFORCEMENT- OPTION 1

#4 Bars 18 inches on center tied to #4 footing ties that are a minimum of 18 inches long and imbedded a minimum of 6 inches into the footing

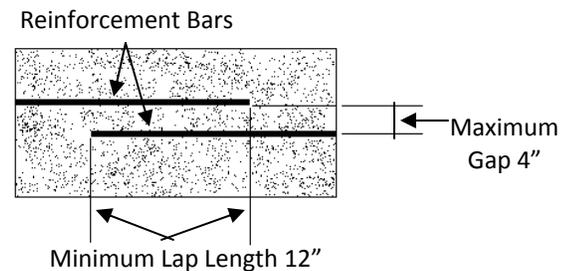
#### VERTICAL REINFORCEMENT- OPTION 2

#5 Bars 24 inches on center tied to #5 footing ties that are a minimum of 18 inches long and imbedded a minimum of 6 inches into the footing

#### HORIZONTAL REINFORCEMENT

#5 Bars, One each within 12 inches of the top and bottom of the wall, and as needed with maximum vertical spacing of 24".

#### HORIZONTAL WALL SPLICE DETAIL



DESIGN LOADS: Soil Weight: 120 PCF  
Lateral Liquid Equivalent Soil Pressure: 50PCF  
Soil Level One Foot Below Top of Wall