Minimum REBAR Basement Walls

Equal to or less than 8' height - 2 horizontal ties
Unbalanced Fill - Width = 8" Wall

- #4 90" long vertical dowel @32" OC *
- #4 24" long vertical dowel tie-in @32" OC

Greater than 8' height - 3 horizontal ties
Unbalanced Fill - Width = 8" Wall

- #4 continuous horizontal top tie = ~6" from TW
- #4 102" long vertical dowel @32" OC*

Any Height - 2 ties
Balanced Fill Garage & Frost Walls

- #4 continuous horizontal top tie = ~6" from TW
- #4 continuous horizontal 2nd tie = ~38" from TW
- #4 24" long vertical dowel tie-in @32" OC

Ground Rod Detail
"UFER" Ground - when rebar is in wall

- Preferred - PVC sleeve @ top of rebar to extend through top of wall - sealant required.
- #4 rebar tied to footing rebar & extends through top of wall

NOTE: For Step Footings B<2' & A>B

*Vertical rebar is generally not required in 10" wall