

Additional drawing for construction details are: 503, 505A, 505B, 506, and 571

Wisconsin Std. Wall Drawing	MACHINERY LOADING CONDITIONS (SEE WI-540)								Load condition 2 (Full inside), no machinery. See note 2	
	NONE		A (See note 1)		B		C		Backfill Ht. (ft.)	Res. Slab Length (ft.)
	Backfill Ht. (ft.)	Res.Slab Length(ft.)	Backfill Ht. (ft.)	Res. Slab Length (ft.)	Backfill Ht. (ft.)	Res. Slab Length (ft.)	Backfill Ht. (ft.)	Res. Slab Length (ft.)	Backfill Ht. (ft.)	Res. Slab Length (ft.)
WI-541 0' to 4' backfill EFP 85	4	22	4	6	Not designed for this loading	Not designed for this loading	4	0	4	0
	3	8					3	0		
	2	0					2	1*		
	1	0					1	2*		
							0	3*		
WI-542 0' to 4' backfill EFP 85	4	28	4	12	Not designed for this loading	Not designed for this loading	4	0	4	0
	3	11					3	0		
	2	0					2	1*		
	1	0					1	1*		
							0	2*		
WI-543 0' to 4' backfill EFP 85	4	13	4	0	4	41	4	52	4	0
	3	0			3	22	3	31	3	0
	2	0			2	7	2	14	2	0
	1	0			1	0	1	0	1	1*
									0	2*

Note 1: For Structural Slab or Pushoff loading, Backfill Only condition (no machinery loading) governs the restraining slab requirement.
 Note 2: A "*" following the length indicates that the restraining slab must be poured at the same time as the wall footing is poured and that the restraining slab is tied to the wall footing with tension steel.

 United States Department of Agriculture Natural Resources Conservation Service	SLIDING RESTRAINT FOR 4 FT. R/C WALLS	CLIENT: _____ COUNTY: _____
	Date _____ Designed _____ Drawn _____ Checked _____ Approved _____	File Name WI-540B
		Sheet _____ of _____