

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

Wisconsin Std. Wall Drawing	MACHINERY LOADING CONDITIONS (SEE WI-580)								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-583 2' to 5' backfill EFP 60	5	0	Not designed for this loading		Not designed for this loading	5	2*			
	4	0							4	3*
	3	0							3	5*
	2	0							2	6*
WI-582 5' to 8' backfill EFP 60	8	40	8	40	Not designed for this loading	8	0			
	7	21	7	0						
	6	5	6	0						
	5	0	5	2*						
WI-584 5' to 8' backfill EFP 60	8	40	8	40	8	59	Not designed for this loading	Not designed for this loading	8	0
	7	21	7	40	7	40			7	0
	6	5	6	23	6	23			6	0
	5	0	5	8	5	8			5	2*
WI-581 5' to 8' backfill EFP 60	8	40	8	40	8	59	8	92	8	0
	7	21	7	40	7	40	7	67	7	0
	6	5	6	23	6	23	6	46	6	0
	5	0	5	8	5	8	5	27	5	2*
WI-587 2' to 5' backfill EFP 85	5	14	Not designed for this loading		Not designed for this loading	5	2*			
	4	0							4	3*
	3	0							3	5*
	2	0							2	6*
WI-586 3' to 8' backfill EFP 85	8	85	8	85	8	104	Not designed for this loading	Not designed for this loading	8	0
	7	56	7	75	7	75			7	0
	6	31	6	49	6	49			6	0
	5	11	5	26	5	26			5	0
WI-585 (8-60-5) 0' to 8' backfill Machinery on nonstructural slab EFP 85	8	71	8	71	8	90	8	144	8	0
	7	43	7		7	62	7	109	7	0
	6	20	6		6	37	6	77	6	0
	5	0	5		5	16	5	49	5	0
	4	0	4		4	0	4	26	4	0
	3	0	3		3	0	3	7	3	2*
	2	0	2		2	0	2	0	2	4*
	1	0	1		1	0	1	0	1	5*
0	0	0		0	0	0	0	0	6*	

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.

File Name WI-580B	Date	Designed	Drawn	Checked	Approved	Sheet of
SLIDING RESTRAINT FOR 8 FT. R/C WALLS						
CLIENT: _____ COUNTY: _____						
 United States Department of Agriculture Natural Resources Conservation Service						