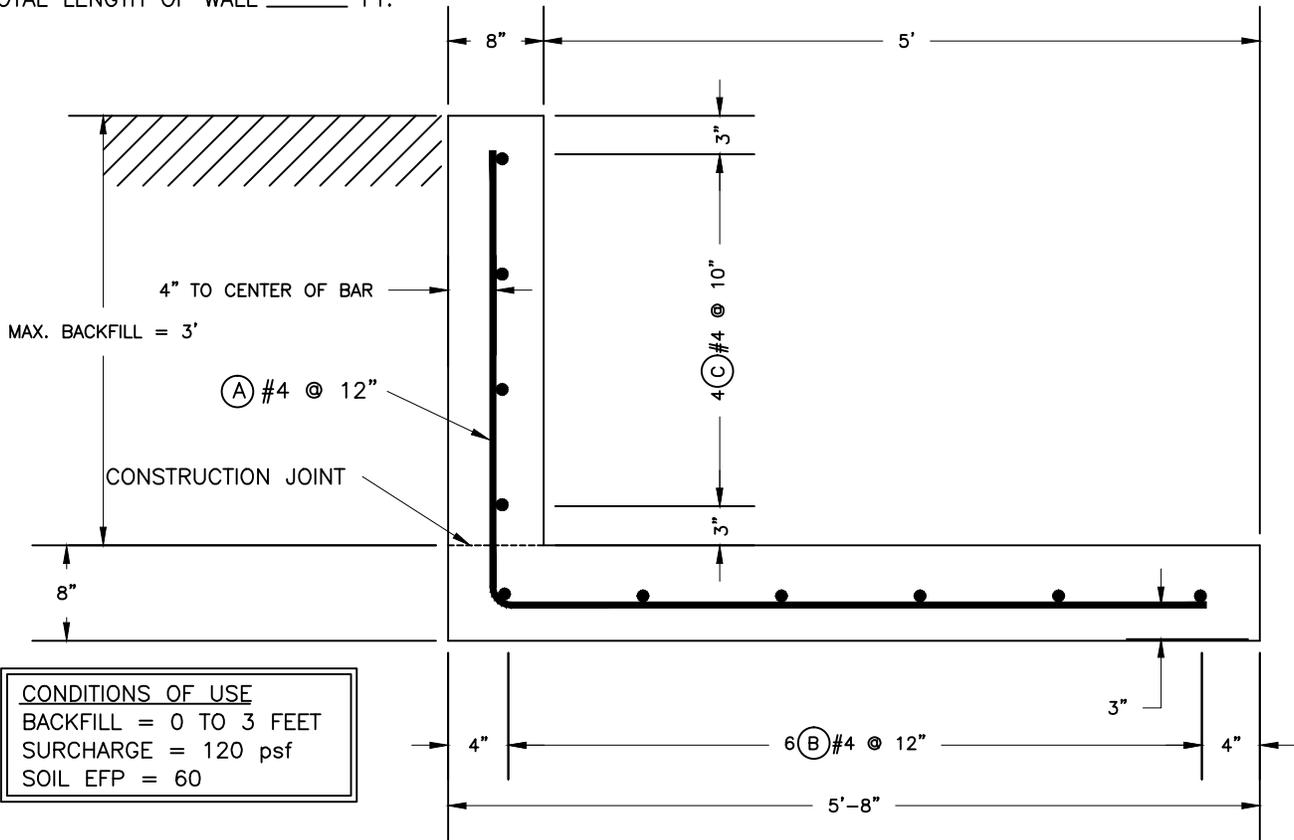
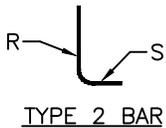


TOTAL LENGTH OF WALL _____ FT.



CONDITIONS OF USE
 BACKFILL = 0 TO 3 FEET
 SURCHARGE = 120 psf
 SOIL EFP = 60



ESTIMATED QUANTITIES

CONCRETE	(0.214 CU.YDS./LIN.FT.) _____ CU.YDS.
STEEL #4	(0.668 LBS./FT) _____ LBS.

- CONCRETE WILL MEET WISCONSIN SPEC 4 REQUIREMENTS.
- SUBSTITUTION OF GRADE 60 BARS IS PERMITTED.
- MINIMUM SPLICE LENGTH FOR MARK (B) AND (C) BARS IS 12"
- STEEL QUANTITY DOES NOT INCLUDE SPLICE LENGTHS.

STEEL SCHEDULE

MARK	SIZE	QUAN	TYPE	R	S	LENGTH	TOTAL LENGTH
A	4		2	5'-0"	3'-2"	8'-2"	
B	4		STR	---	---		
C	4		STR	---	---		
L	4		2	2'-0"	2'-0"	4'-0"	
#4 BARS, TOTAL LENGTH							

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

MARK L BARS NOT SHOWN – SEE WALL CORNER DETAILS ON REVERSE SIDE.

NOTES:

1. CONSTRUCTION JOINT OPTIONS – SEE REVERSE SIDE.
2. DIMENSIONS ARE TO THE REINFORCING BAR SURFACE UNLESS OTHERWISE NOTED.
3. FOR RESTRAINING SLAB REQUIREMENTS – SEE REVERSE SIDE.
4. BACKFILL OF 2 FEET IS RECOMMENDED FOR FROST PROTECTION.

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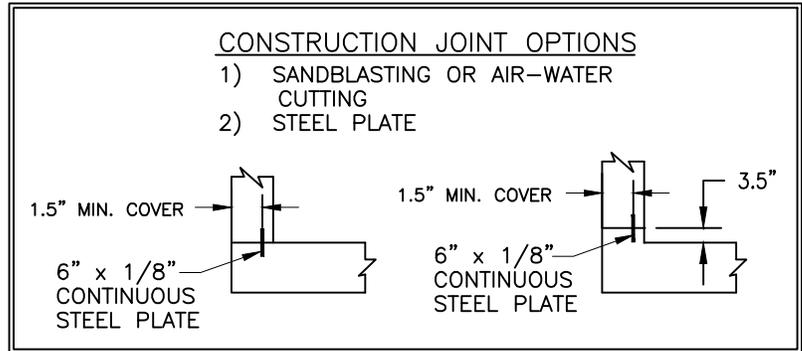
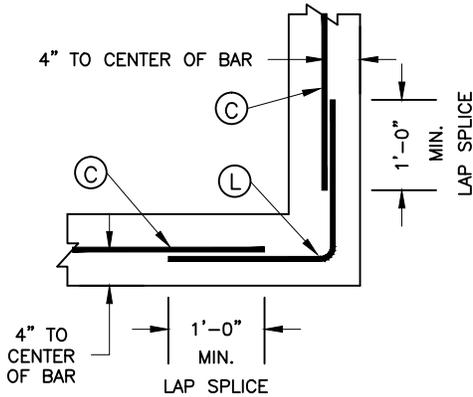
**3-FOOT L WALL
 8" WALL THICKNESS**

CLIENT: _____
 COUNTY: _____

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

File Name
 WI-532
 Date
 07/14
 Sheet of

CORNER DETAIL (PLAN VIEW)



SLAB CORNER DETAILS	SEE WI-571
RESTRAINING SLAB OPTIONS	SEE WI-570

GENERAL DESIGN NOTES:

- DRAINAGE SHALL BE AWAY FROM THE WALL.
- THE MINIMUM WIDTH OF THE BACKFILL AGAINST THE WALL SHALL BE EQUAL TO OR GREATER THAN THE BACKFILL HEIGHT.
- MAXIMUM FOOTING CONTACT PRESSURE IS 505 psf/ft.

DESIGN STRENGTHS: WORKING STRESS DESIGN

- CONCRETE $f'_c = 3,500$ psi
- STEEL $f_s = 20,000$ psi (GRADE 40)
- $f_c = 1,400$ psi

WALL DESIGN LOADING: 313 STANDARD – LATERAL EARTH PRESSURE VALUES, SEE SECTION IV OF THE FIELD OFFICE TECHNICAL GUIDE.

- MANURE LOAD INSIDE = 65 psf/ft.
- SOIL BACKFILL LOAD OUTSIDE = 60 psf/ft.
- SURCHARGE LOAD = 120 psf
- SOIL BACKFILL DENSITY = 110 pcf.

WALL RESTRAINT REQUIREMENTS:

- 5" THICK SLAB, SAFETY FACTOR AGAINST SLIDING 1.5 MIN.

<u>BACKFILL HEIGHT (OUTSIDE LOAD)</u>	<u>SLAB LENGTH NO INSIDE LOAD</u>	<u>SLAB LENGTH FULL INSIDE LOAD</u>
3 FEET	27 FEET	NO SLAB
2 FEET	12 FEET	NO SLAB
1 FOOT	NO SLAB	NO SLAB
0 FEET	NO SLAB	NO SLAB

THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE. IT WAS DEVELOPED IN COOPERATION WITH THE WISCONSIN DEPARTMENT OF AGRICULTURAL, TRADE AND CONSUMER PROTECTION. THE DESIGN FOLDER IS FILED AT THE NRCS STATE OFFICE, 8030 EXCELSIOR DRIVE, SUITE 200 MADISON, WI 53717-2906