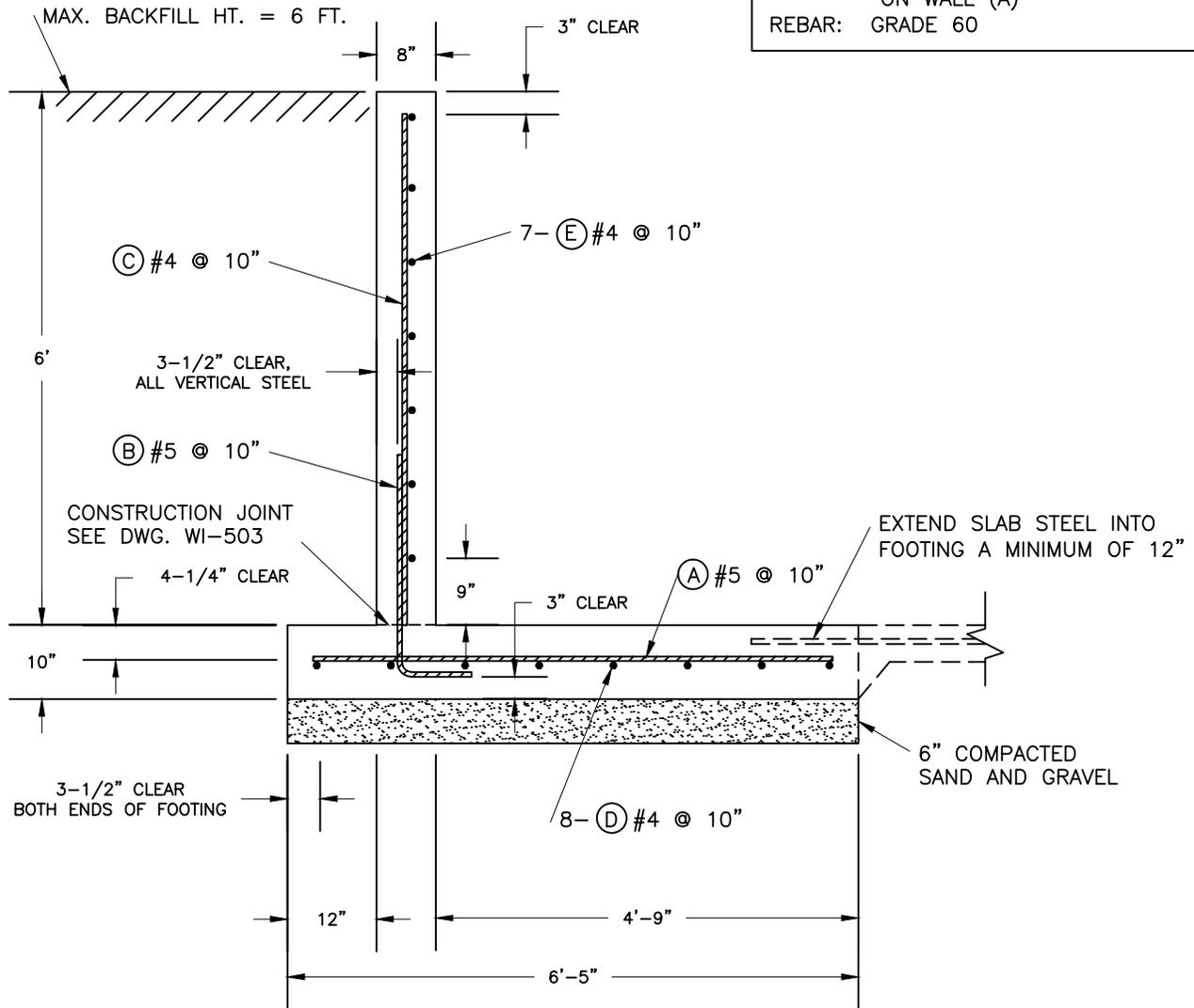


CONDITIONS OF USE

BACKFILL: 0 TO 6 FEET  
 0 - 100% FINES  
 MACHINERY LOADING CONDITIONS ALLOWED:  
 (SEE DWG. 560)  
 • STRUCTURAL SLAB OR PUSH-OFF  
 ON WALL (A)  
 REBAR: GRADE 60

BACKFILL DETAILS  
 SEE SHEET \_\_\_\_\_



WALL SECTION

MATERIALS

CONCRETE & REBAR: WI CONST SPEC 4  
 SAND/GRAVEL: WI CONST SPEC 4  
 BACKFILL: WI CONST SPEC 204  
 BACKFILL SOURCE:  
 \_\_\_\_\_ EXCAVATION OF WALL AREA  
 \_\_\_\_\_ BORROW SITE  
 \_\_\_\_\_ IMPORTED MATERIALS

LINEAL FEET OF WALL \_\_\_\_\_

6-FOOT L WALL

CLIENT: \_\_\_\_\_  
 COUNTY: \_\_\_\_\_

Date \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

File Name  
 WI-562  
 Date  
 07/14  
 Sheet of \_\_\_\_\_

DESIGN VALUES

EARTH BACKFILL: 85 PSF/FT, EQUIVALENT FLUID PRESSURE  
 110 PCF (SOIL WEIGHT) AND >50% FINES  
 MANURE: 65 PSF/FT, EQUIVALENT FLUID PRESSURE  
 MACHINERY LOADING: 0 PSF EQUIVALENT FLUID PRESSURE  
 ULTIMATE STRENGTH DESIGN (ACI 318-99)  
 CONCRETE STRENGTH: 3,500 PSI REBAR: GRADE 60  
 COEFF. FRICTION (SOIL/CONCRETE) = 0.5  
 MINIMUM SLIDING FACTOR OF SAFETY = 1.5  
 WALL SLIDING RESTRAINT REQUIRED  
 MINIMUM OVERTURNING FACTOR OF SAFETY = 2.0  
 MIN. ALLOWABLE SUBGRADE BEARING CAPACITY = 2000 PSF  
 VERTICAL WALL LOAD FOR SLABS BEARING ON WALL OR  
 PUSHOFFS = 1000 LBS./FT.  
 NOT DESIGNED TO SUPPORT BUILDINGS OR ROOFS

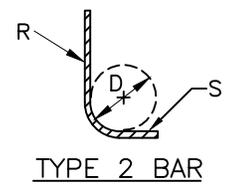
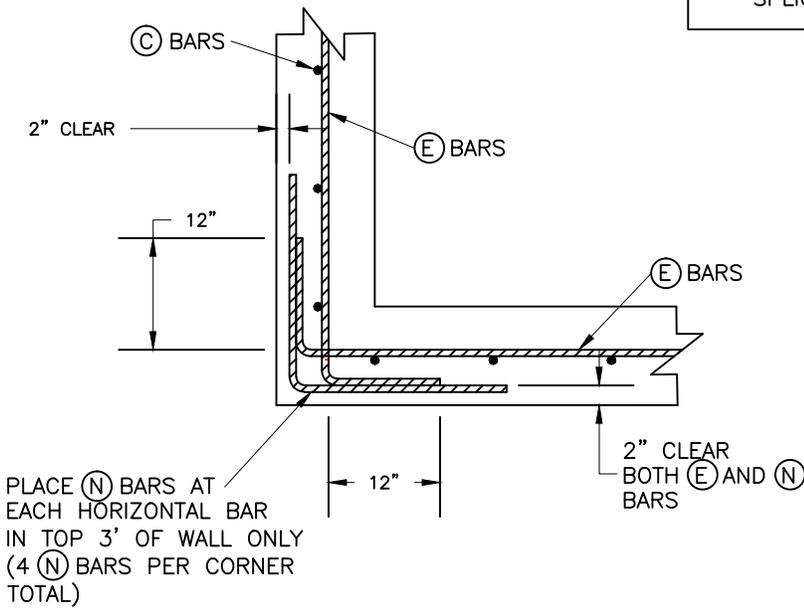
STEEL SCHEDULE (GRADE 60)

MARK	SIZE	TYPE	R	S	LENGTH
A	#5	STR	---	---	5'-10"
B	#5	2	2'-6"	10"	3'-4"
C	#4	STR	---	---	5'-9"
D	#4	STR	---	---	
E	#4	STR	---	---	
N	#4	2	2'-0"	2'-0"	4'-0"

STEEL DETAILS

BAR SIZE	BEND DIAMETER (D) INCHES	SPLICE LENGTH INCHES (MIN.) *
#4	3	16
#5	3-3/4	20

\* IF TWO BARS OF DIFFERENT DIAMETER ARE  
 SPLICED, USE THE LONGER SPLICE LENGTH.



CORNER BAR SCHEMATIC  
 PLAN VIEW - TOP 3 FEET  
 OF WALL SHOWN

CORNER NOTES

1. PLACE FIRST VERTICAL BAR AT WALL CORNER OR NO FURTHER THAN ONE-HALF BAR SPACING FROM THE INSIDE CORNER.
2. HOOK CAN BE SEPARATE FROM E BARS, PROVIDED THAT MINIMUM LAP SPLICE OF 16" FOR #4 BARS IS MET.
3. SEE WALL SECTION FOR EXACT LOCATIONS OF C AND E BARS.