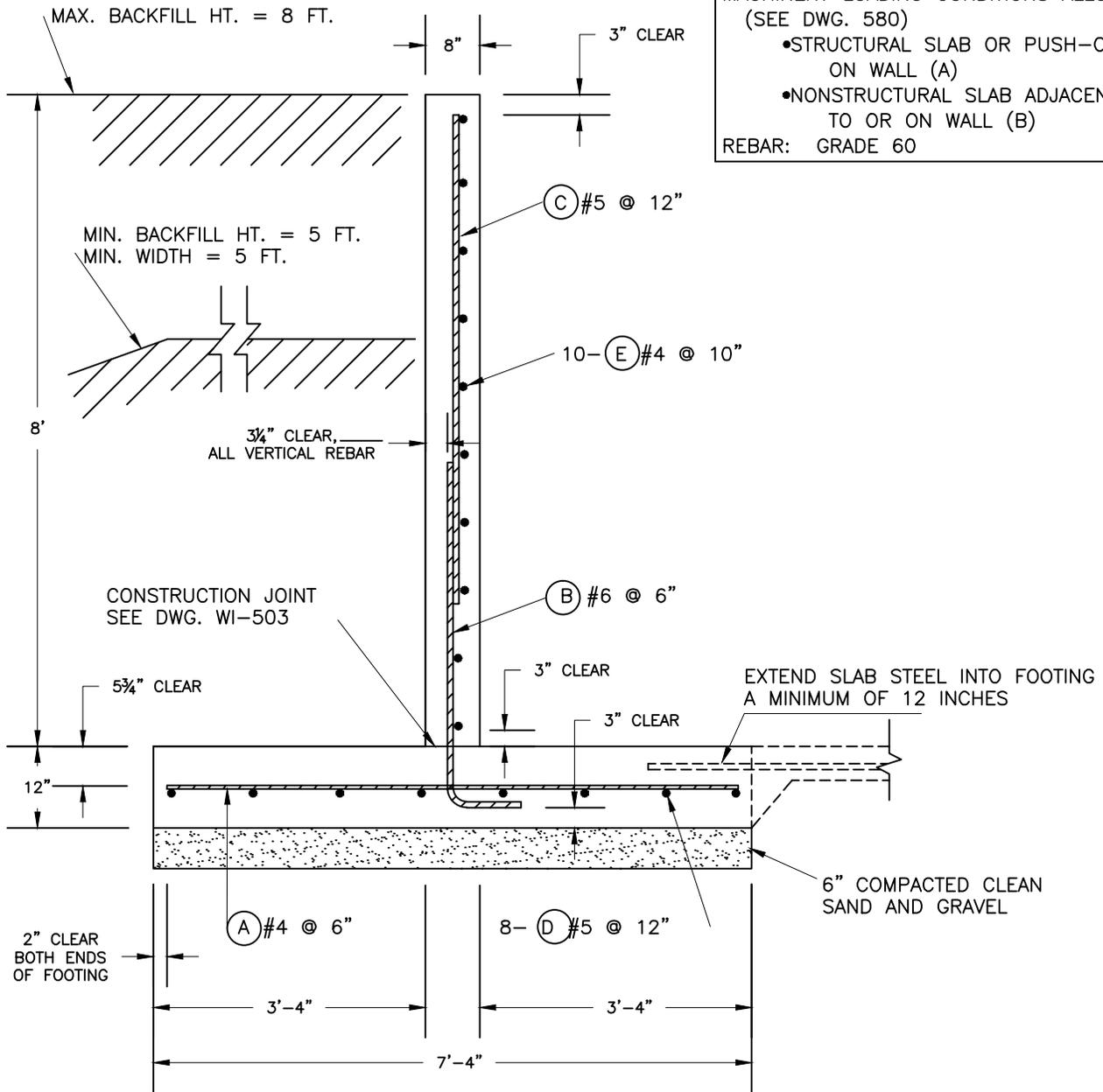


BACKFILL DETAILS  
SEE DWG. \_\_\_\_\_

CONDITIONS OF USE

BACKFILL: 5 TO 8 FEET  
LESS THAN 50% FINES ONLY  
MACHINERY LOADING CONDITIONS ALLOWED:  
(SEE DWG. 580)  
•STRUCTURAL SLAB OR PUSH-OFF  
ON WALL (A)  
•NONSTRUCTURAL SLAB ADJACENT  
TO OR ON WALL (B)  
REBAR: GRADE 60



MATERIAL SPECIFICATIONS

WALL SECTION

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 \_\_\_\_\_



United States  
Department of  
Agriculture

Natural Resources  
Conservation Service

8-FOOT TEE WALL

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

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

File Name  
WI-584

Date  
07/14

Sheet of

DESIGN VALUES

EARTH BACKFILL: 60 PSF/FT, EQUIVALENT FLUID PRESSURE  
 110 PCF (SOIL WEIGHT) AND <50% FINES  
 MANURE: 65 PSF/FT, EQUIVALENT FLUID PRESSURE  
 MACHINERY LOADING: 45 PSF EQUIV. FLUID PRESSURE  
 REPRESENTING MACHINERY LOAD ON NONSTRUCTURAL SLAB  
 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 WALLS OR  
 PUSH-OFFS = 1000 LBS./FT.  
 NOT DESIGNED TO SUPPORT BUILDINGS OR ROOFS

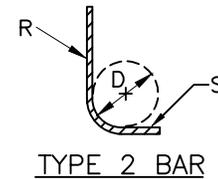
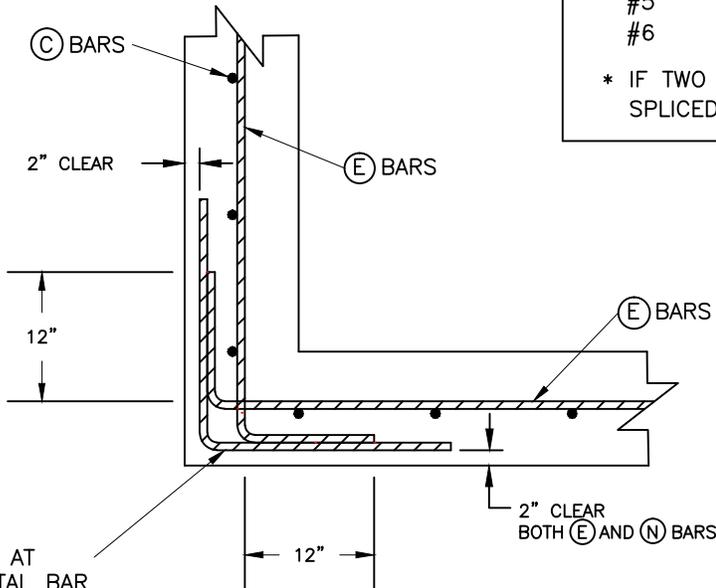
STEEL SCHEDULE (GRADE 60)

MARK	SIZE	TYPE	R	S	LENGTH
A	#4	STR	---	---	7'-0"
B	#6	2	4'-6"	1'-0"	5'-6"
C	#5	STR	---	---	6'-0"
D	#5	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
#6	4-1/2	24

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



PLACE (N) BARS AT  
 EACH HORIZONTAL BAR  
 LOCATION IN TOP 4' OF  
 WALL ONLY.  
 (5 (N) BARS TOTAL PER  
 CORNER)

CORNER BAR SCHEMATIC  
 PLAN VIEW - TOP 4 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.