

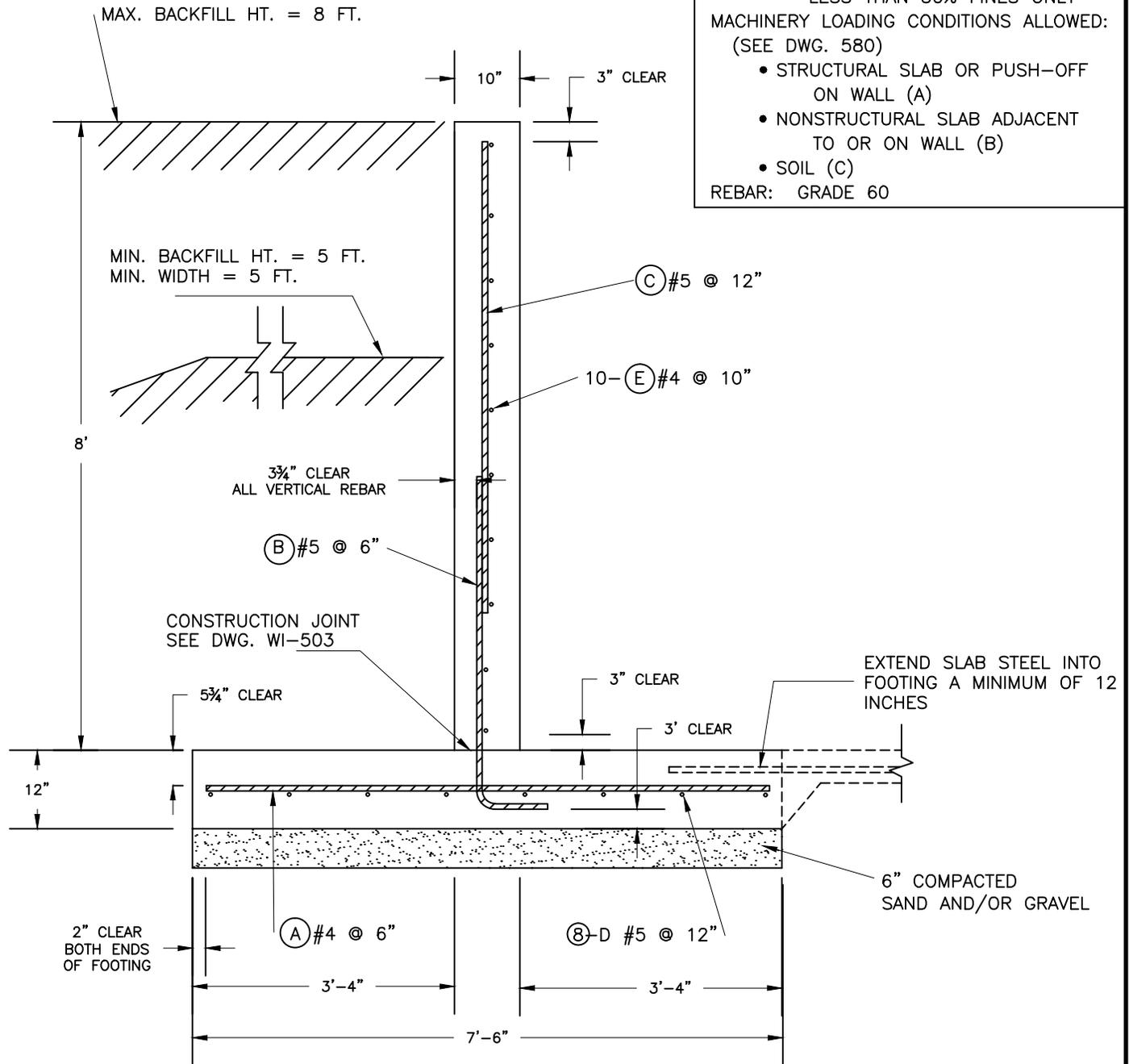
BACKFILL DETAILS
SEE SHEET _____

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)
- SOIL (C)

REBAR: GRADE 60



MATERIAL SPECIFICATIONS

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

WALL SECTION

LINEAL FEET OF WALL _____



8-FOOT TEE WALL

CLIENT: _____
COUNTY: _____

Date _____
Designed _____
Drawn _____
Checked _____
Approved _____

File Name
WI-581
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: 120 PSF EQUIV. FLUID PRESSURE
 REPRESENTING MACHINERY LOAD ON SOIL
 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
 PUSH-OFFS = 1000 LBS./FT.
 NOT DESIGNED TO SUPPORT BUILDINGS OR ROOFS

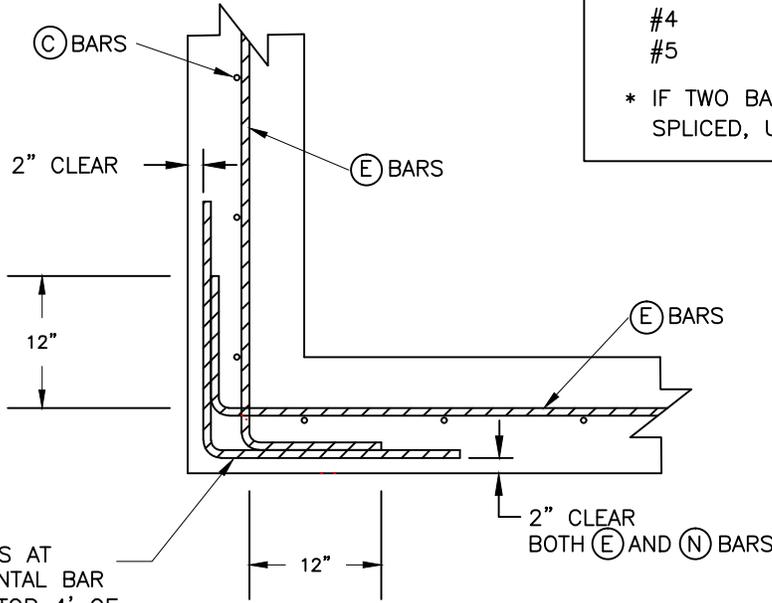
STEEL SCHEDULE (GRADE 60)

MARK	SIZE	TYPE	R	S	LENGTH
A	#4	STR	---	---	7'-2"
B	#5	2	4'-2"	10"	5'-0"
C	#5	STR	---	---	6'-0"
D	#5	STR	---	---	
E	#4	STR	---	---	
N	#4	2	2'-0"	2'-0"	4'-0"

STEEL DETAILS

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

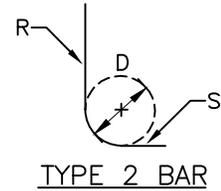
* IF TWO BARS OF DIFFERENT DIAMETER ARE SPLICED, USE THE LONGER SPLICE LENGTH.



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.