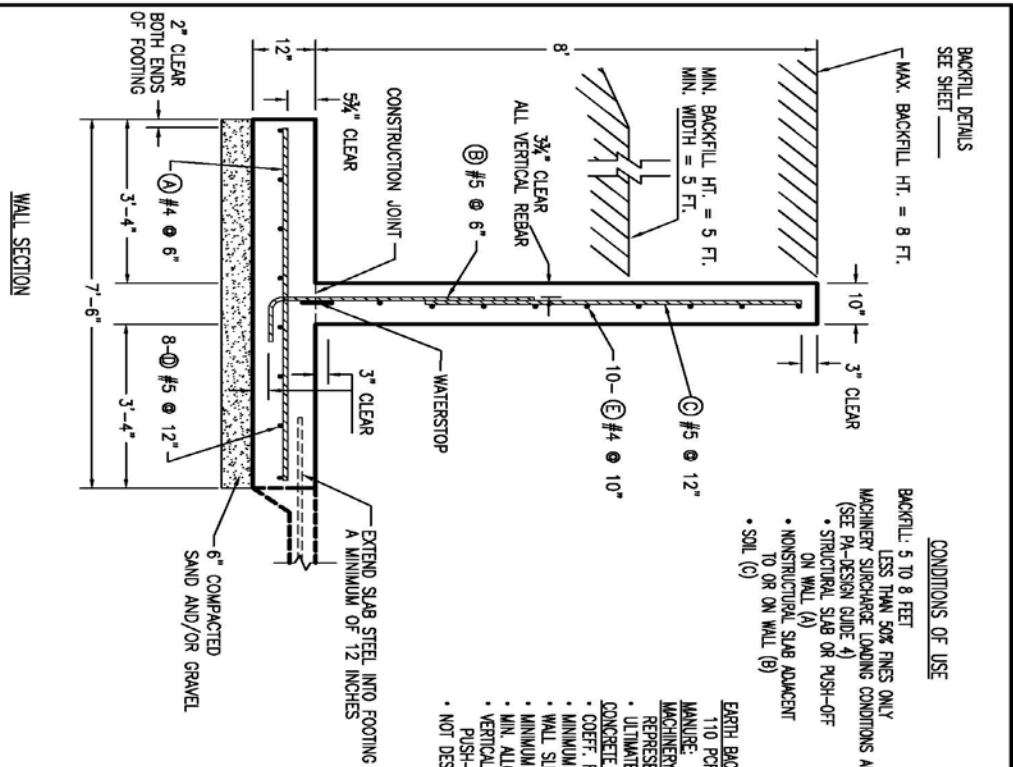




CONSTRUCTION JOINT

LIQUID-TIGHT JOINT --- YES --- NO

LIQUID-TIGHT JOINT OPTIONS

1) NON-METALLIC WATERSTOP (PVC)

2) HYDROPHILIC WATERSTOP

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 SPICE OF 16" FOR #4 BARS IS MET.
3. SEE WALL SECTION FOR EXACT LOCATIONS OF (C) AND (E) BARS.

BACKFILL DETAILS
SEE SHEET _____

CONDITIONS OF USE

BACKFILL: 5 TO 8 FEET
LESS THAN 50% FINES ONLY
MACHINERY SURCHARGE LOADING CONDITIONS ALLOWED:
(SEE DR. DESIGN NOTE A)

- STRUCTURAL SLAB OR PUSH-OFF ON WALL (A)
- NONSTRUCTURAL SLAB ADJACENT TO OR ON WALL (B)
- SOIL (C)

DESIGN VALUES

- EARTH BELL: 60 PSF/FT. EQUIVALENT FLUID PRESSURE
- 110 PCF (SOIL WEIGHT) AND <50% FINES
- MAXIMUM: 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: 4,000 PSI REBAR: GRADE 40
- 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 SURFACE BEARING CAPACITY = 2000 PSF
- VERTICAL WALL LOAD FOR SOILS BEARING ON WALL OR
- PUSH-OFFS = 1000 LBS./FT.
- NOT DESIGNED TO SUPPORT BUILDINGS OR ROOFS

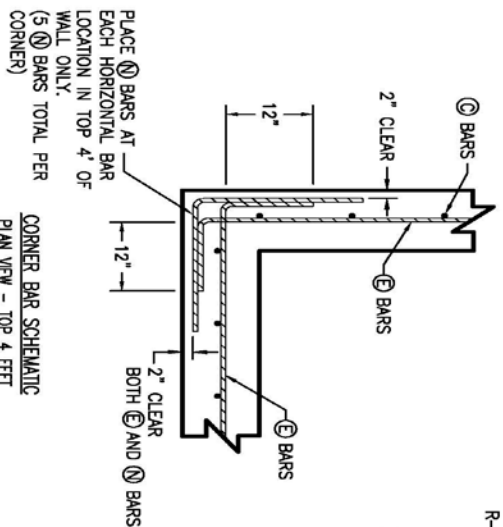
STEEL SCHEDULE (GRADE 40)						TOTAL LENGTH
MARK	SIZE	TYPE	R	S	LENGTH	
A	#4	STR	---	---	7'-2"	
B	#5	2	4'-2"	10"	5'-0"	
C	#5	STR	---	---	6'-0"	
D	#5	STR	---	---		
E	#4	STR	---	---		
N	#4	2	2'-0"	2'-0"	4'-0"	

LINEAL FEET OF WALL _____

STEEL DETAILS

BAR SIZE	BEND DIAMETER (D) INCHES	SPLICE LENGTH INCHES (MIN.) *
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* IF TWO BARS OF DIFFERENT DIAMETER ARE SPLICED, USE THE LONGER SPLICE LENGTH.



CORNER BAR SCHEMATIC
PLAN VIEW - TOP 4 FEET
OF WALL SHOWN

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

(ADAPTED FROM WI-581, APRIL 2005)