

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: 45 PSF EQUIVALENT 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 AND
 PUSH-OFFS = 1000 LBS./FT.
 NOT DESIGNED TO SUPPORT BUILDINGS OR ROOFS

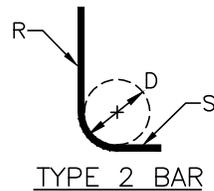
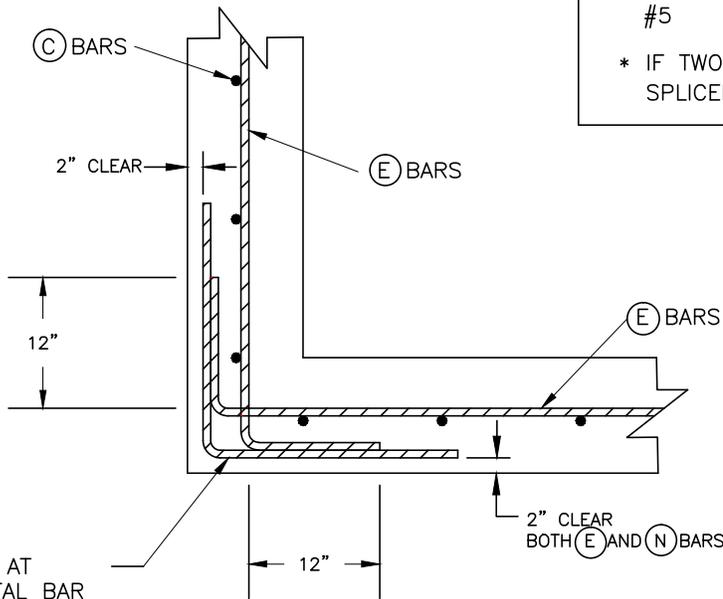
STEEL SCHEDULE (GRADE 60)

MARK	SIZE	TYPE	R	S	LENGTH
A	#5	STR	---	---	7'-0"
B	#5	2	4'-0"	1'-0"	5'-0"
C	#5	STR	---	---	6'-3"
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

* 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.