

SECTION
SCALE 1/2" = 1'

STEEL SCHEDULE

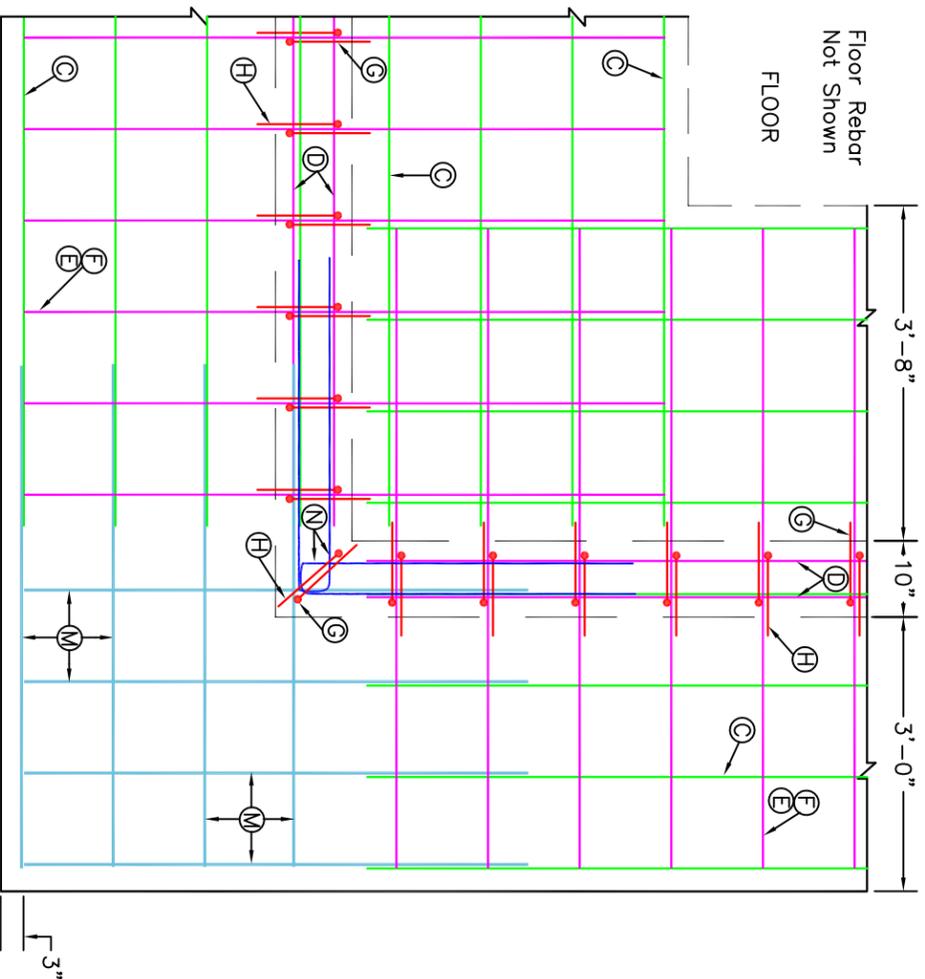
MARK	SIZE	QUANTITY	TYPE	a	b	LENGTH	TOTAL LENGTH
A	4	4	Straight	-	-	6'-8"	
B	4	4	Straight	-	-	6'-8"	
C	4	4	Straight				
D	5	4	Straight				
E	4	4	Straight			7'-0"	
F	5	5	Straight			7'-0"	
G	5	5	Straight	3'-9"	0'-10"	4'-7"	
H	5	5	Straight	3'-9"	0'-10"	4'-7"	
M	4	4	Straight			5'-6"	
N	4	4	Straight	3'-8"	0'-4"	7'-8"	

#4 BARS, TOTAL LENGTH = _____ LBS
 #5 BARS, TOTAL LENGTH = _____ LBS
 TOTAL REBAR = _____ LBS
 CONCRETE = 0.525 CY/FT. OF WALL LENGTH ESTIMATED TOTAL = _____ CY

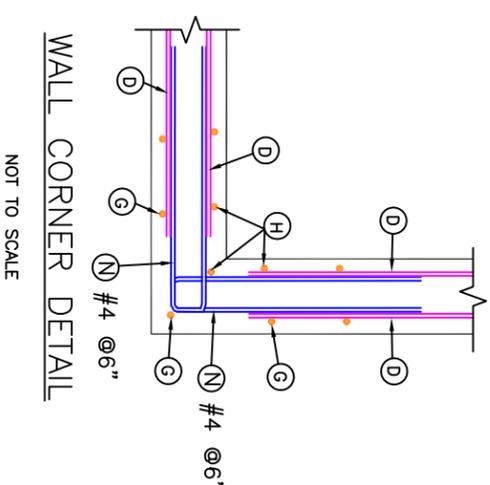
WASTE STORAGE FACILITY
 8' HIGH "TEE" WALL
 PARTIAL BACKFILL (0' TO 6')

STANDARD DWG. NO. MA-WSF-05
 DATE Sept. 2009 SHEET 1 OF 1

MINIMUM LAP SPLICE
 #4 bars = 1'-8"
 #5 bars = 2'-1"



CORNER DETAIL (PLAN VIEW)
SCALE 1/2" = 1'



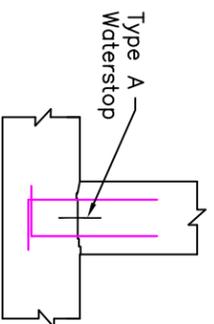
WALL CORNER DETAIL
NOT TO SCALE

- Ⓐ - 1 bar per corner
- Ⓑ - 1 bar per corner
- Ⓒ - 1 bar per corner
- Ⓓ - 1 bar per corner
- Ⓜ - 16 bars per corner
- Ⓝ - 30 bars per corner

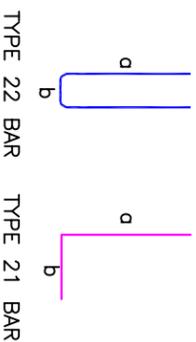
- WALL DESIGN LOADING**
- * MANURE LOADING = 65 pcf
 - * BACKFILL: GRANULAR, NON-COHESIVE
 - * DENSITY = 120 pcf; $\phi = 30^\circ$
 - * SURCHARGE = 2 FT OF BACKFILL EQUIVALENT (120 psf EFP REPRESENTING MACHINERY LOAD ON SOIL)

- CONSTRUCTION**
- * CONTRACTION JOINTS SHALL BE PLACED IN WALLS AT A MAXIMUM SPACING OF 150'.
 - * EXPANSION JOINTS IN THE FLOOR SLABS SHALL BE A MAXIMUM OF 80', THE SUBBASE MATERIAL UNDER THE SLAB SHALL BE SAND, OR AT LEAST 2" OF SAND OVER CRUSHED STONE OR GRAVEL. SEE PROJECT DRAWINGS AND SPECS FOR ADDITIONAL SUBBASE REQUIREMENTS.
 - * UNLESS OTHERWISE SHOWN, PROVIDE A MINIMUM OF 2" OF CONCRETE COVER OVER ALL STEEL.
 - * ALL CONTRACTION AND EXPANSION JOINTS SHALL HAVE TYPE B WATERSTOPS
 - * DRAINAGE SHALL BE DIRECTED AWAY FROM THE WALL
 - * THE TOP WIDTH OF THE BACKFILL AROUND THE WALL SHALL BE AT LEAST 2 TIMES THE BACKFILL HEIGHT.

- CONDITIONS OF USE**
- * STANDARD DRAWING - DESIGNER MUST ENSURE THE APPLICATION OF THIS DRAWING MEETS THE ASSUMPTIONS OF THE DESIGN AS STATED.
 - * BACKFILL HEIGHT = 0' TO 6'
 - * FOOTING MUST BE TIED TO SLAB
 - * DRAINAGE CONDITION: FULL DRAINAGE, EITHER BY COARSE WELL DRAINED BACKFILL OR A DRAINAGE SYSTEM
 - * MINIMUM SUBGRADE BEARING CAPACITY = 2,000 psf
 - * CONCRETE STRENGTH = 4,000 psi REBAR = GRADE 60



CONSTRUCTION JOINT DETAIL
NOT TO SCALE



United States Department of Agriculture

Natural Resources Conservation Service

STANDARD DRAWING
 8' HIGH "TEE" WALL
 PARTIAL BACKFILL (0 TO 6 FEET)
 WASTE STORAGE FACILITY

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

Drawing Name MA-WSF-05
 Sheet of