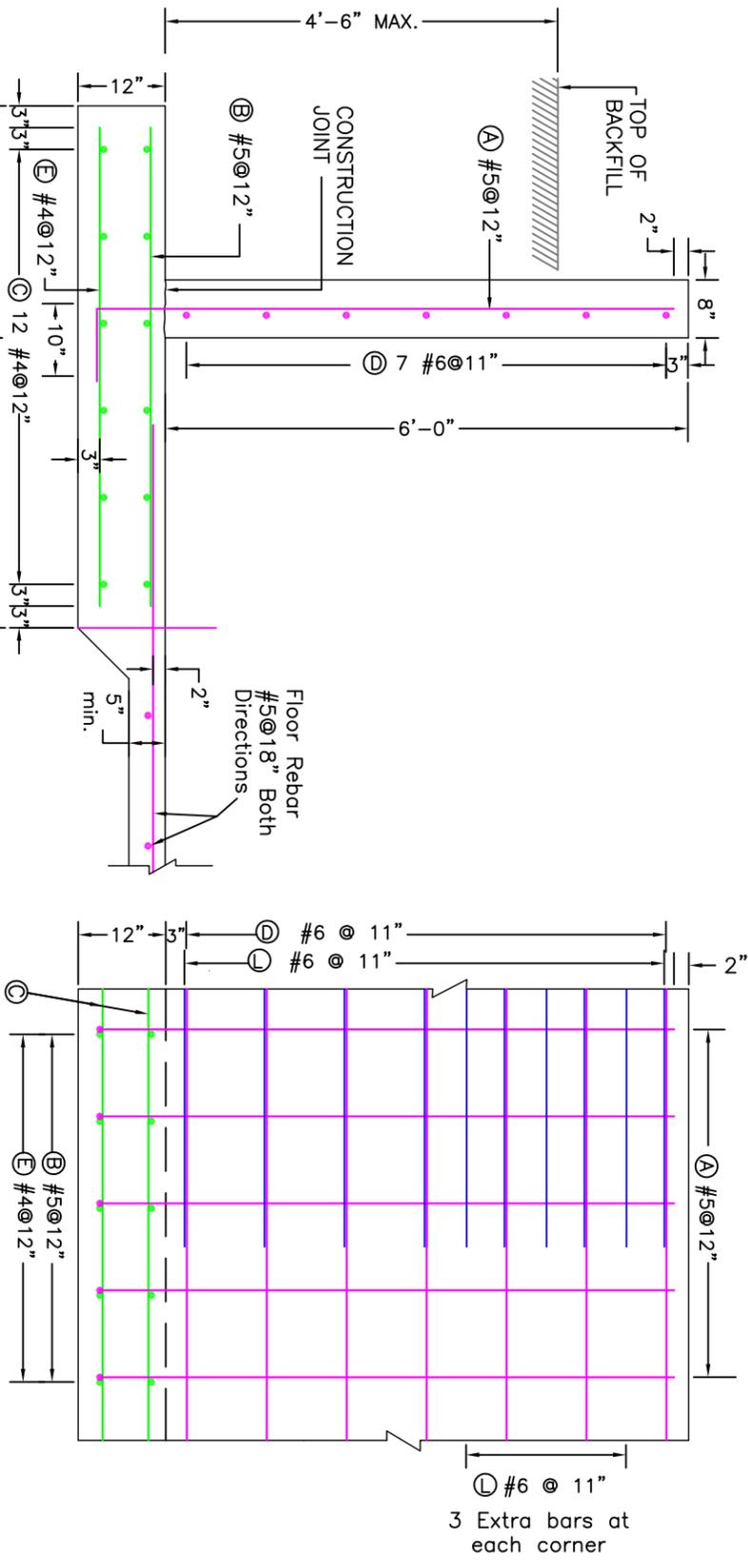


STEEL SCHEDULE

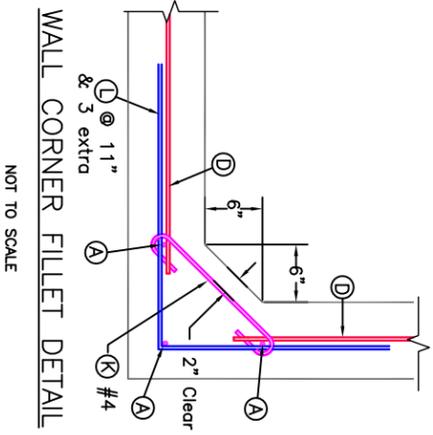
MARK	SIZE	QUANTITY	TYPE	a	b	c	LENGTH	TOTAL LENGTH
A	5	21	Straight	6'-7"	0'-10"	-	7'-5"	
B	5	-	Straight	-	-	-	5'-6"	
C	4	-	Straight	-	-	-	-	
D	6	-	Straight	-	-	-	5'-6"	
E	4	-	Straight	-	-	-	2'-5 1/2"	
K	4	22	Straight	1'-5"	0'-2 1/4"	0'-4"	2'-5 1/2"	
L	6	21	Straight	4'-0"	4'-0"	-	8'-0"	
M	4	-	Straight	-	-	-	4'-4"	

#4 BARS, TOTAL LENGTH = _____ X 0.668 LBS/FT. = _____ LBS
 #5 BARS, TOTAL LENGTH = _____ X 1.043 LBS/FT. = _____ LBS
 #6 BARS, TOTAL LENGTH = _____ X 1.502 LBS/FT. = _____ LBS
 TOTAL REBAR = _____ LBS
 CONCRETE = 0.37 CY/FT. OF WALL LENGTH ESTIMATED TOTAL = _____ CY



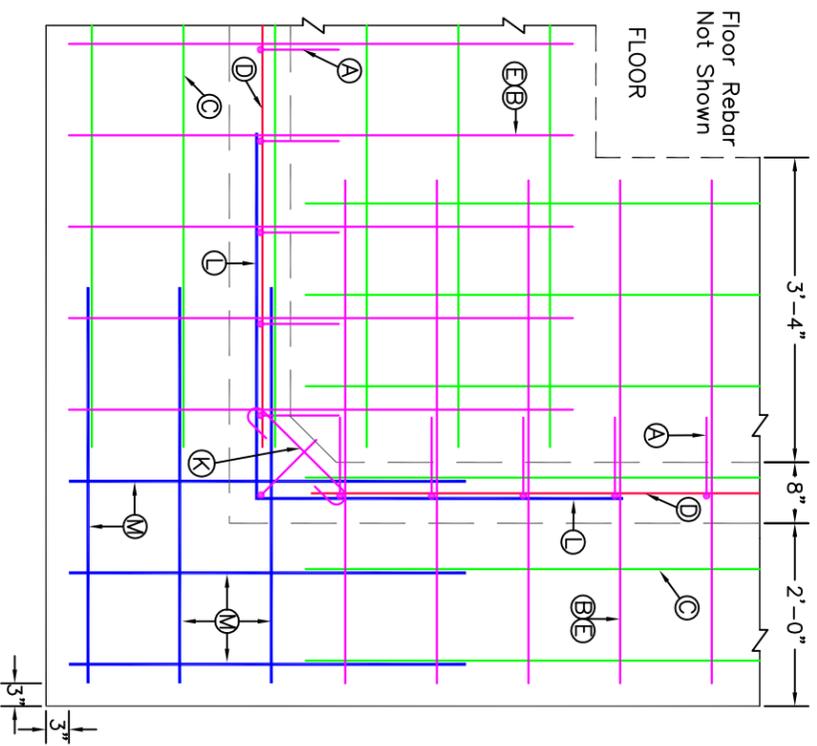
SECTION
SCALE 1/2" = 1'-0"

CORNER ELEVATION
SCALE 1/2" = 1'-0"

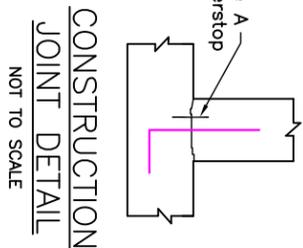
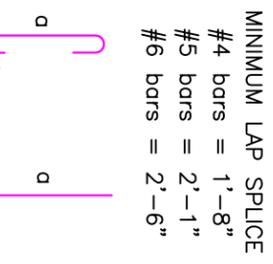


WALL CORNER FILLET DETAIL
NOT TO SCALE

- (K) - 10 bars per corner
 - (L) - 10 bars per corner
 - (M) - 12 bars per corner
 - (A) - 1 extra bar per corner
- NOTE: All bars spaced 12" on center except where noted.



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



WALL DESIGN LOADING

- * MANURE LOADING = 65 pcf
- * BACKFILL: GRANULAR, NON-COHESIVE
- * DENSITY = 120 pcf; $\phi = 30^\circ$
- * SURCHARGE = 2' OF BACKFILL (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 4' - 6" .
- * FOOTING MUST BE RESTRAINED WITH A FLOOR 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

WASTE STORAGE FACILITY
 6' HIGH "TEE" WALL
 PARTIAL BACKFILL (0' TO 4'-6")
 STANDARD DWG. NO. MA-WSF-03
 DATE Sept. 2009 SHEET 1 OF 1

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

STANDARD DRAWING
 6' HIGH "TEE" WALL
 PARTIAL BACKFILL (0' TO 4'-6")
 WASTE STORAGE FACILITY

United States Department of Agriculture
Natural Resources Conservation Service

Project Name _____
 Drawing Name MA-WSF-03
 Sheet 01 of 01