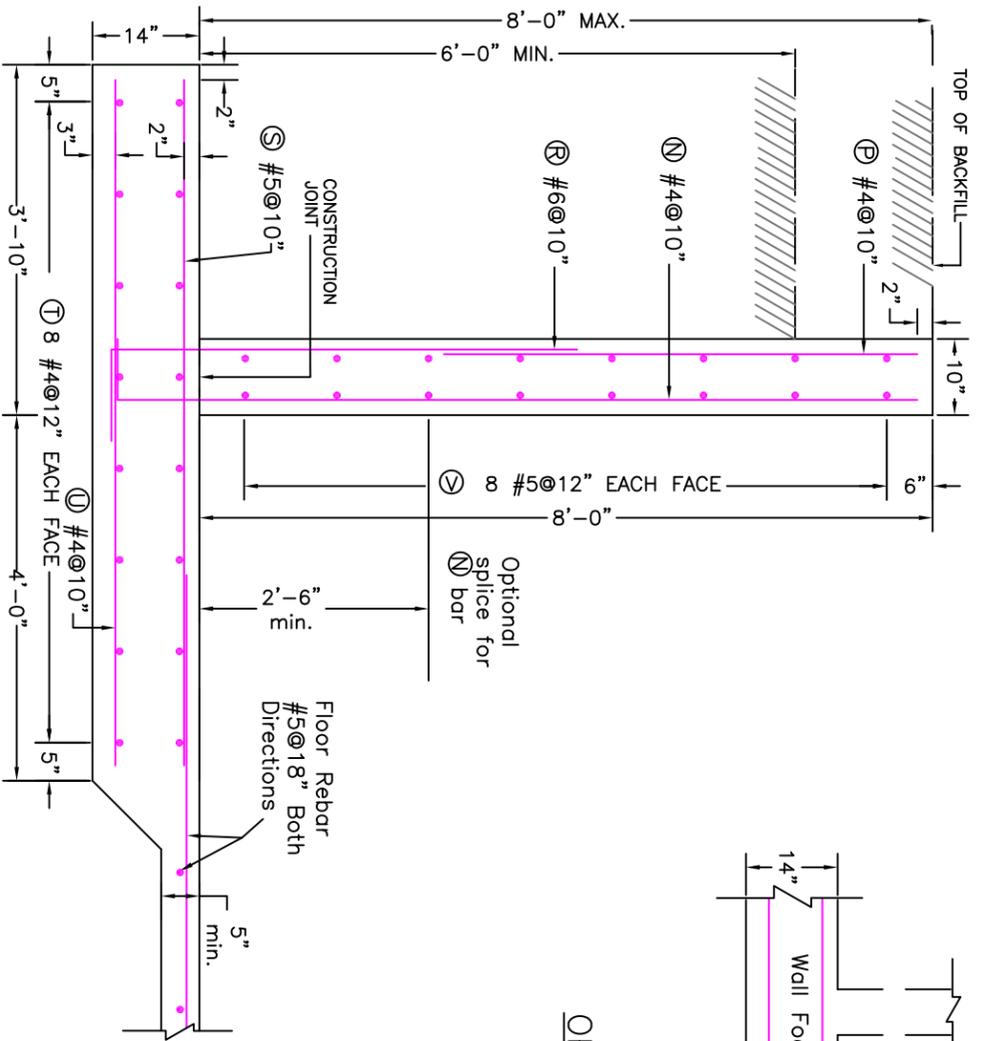


OPTIONAL FLOOR DETAIL
NOT TO SCALE

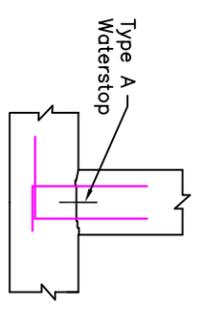
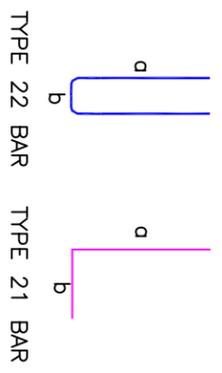


SECTION
SCALE 1/2" = 1'

STEEL SCHEDULE

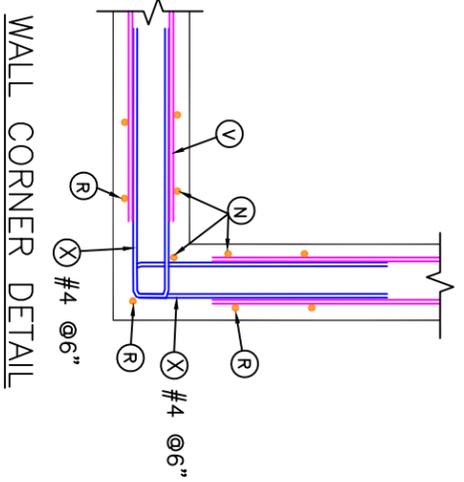
MARK	SIZE	QUANTITY	TYPE	a	b	LENGTH	TOTAL LENGTH
N	4	4	Straight	8'-9"	0'-8"	9'-5"	
P	4	4	Straight	-	-	5'-2"	
R	6	6	Straight	5'-1"	1'-0"	6'-1"	
S	5	5	Straight	-	-	7'-6"	
T	4	4	Straight	-	-	7'-6"	
U	4	4	Straight	-	-	7'-6"	
V	5	5	Straight	-	-	7'-8"	
X	4	4	Straight	3'-8"	0'-4"	7'-8"	
Z	4	4	Straight	-	-	5'-6"	

#4 BARS, TOTAL LENGTH = _____ LBS
 #5 BARS, TOTAL LENGTH = _____ LBS
 #6 BARS, TOTAL LENGTH = _____ LBS
 TOTAL REBAR = _____ LBS
 CONCRETE = 0.585 CY/FT. OF WALL LENGTH ESTIMATED TOTAL = _____ CY

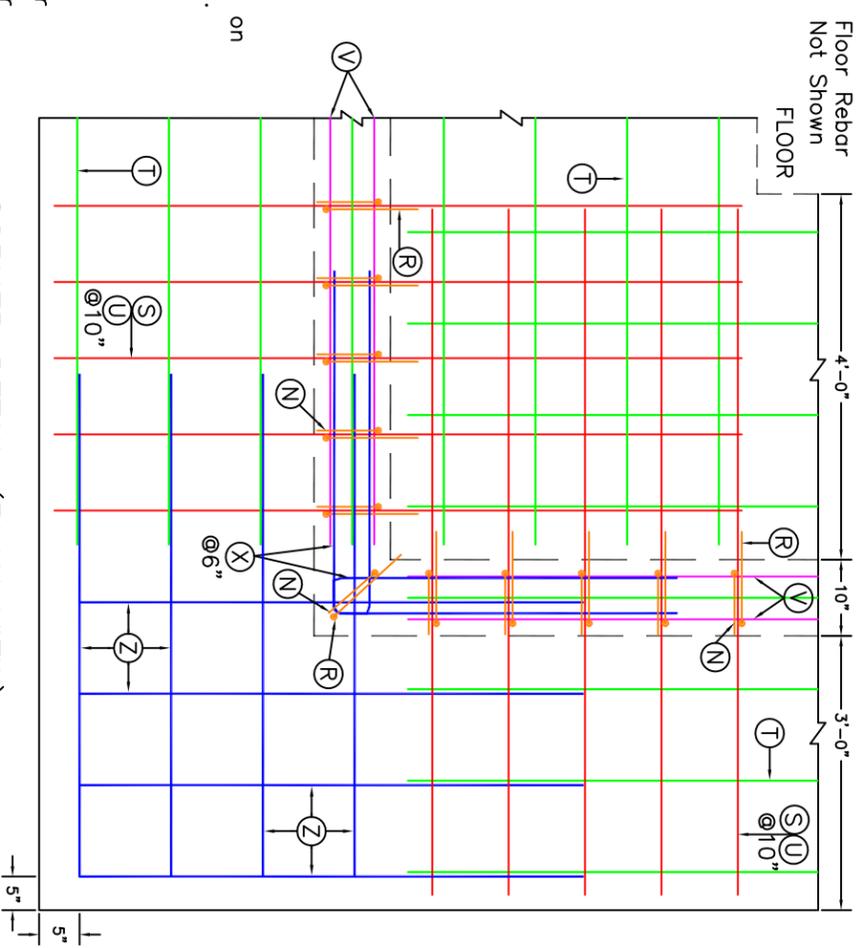


CONSTRUCTION JOINT DETAIL
NOT TO SCALE

- NOTE: All bars spaced 12" on center except where noted.
- (N) - 1 bar per corner
 - (P) - 1 bar per corner
 - (R) - 1 bar per corner
 - (Z) - 16 bars per corner
 - (X) - 30 bars per corner



WALL CORNER DETAIL
NOT TO SCALE



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 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.

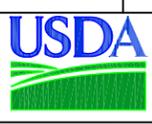
- CONDITIONS OF USE**
- * STANDARD DRAWING - DESIGNER MUST ENSURE THE APPLICATION OF THIS DRAWING MEETS THE ASSUMPTIONS OF THE DESIGN AS STATED.
 - * BACKFILL HEIGHT = 6' TO 8'.
 - * SOIL BACKFILL SHALL BE PLACED TO A MINIMUM DEPTH OF 6' BEFORE THE AREA IS USED FOR STORAGE.
 - * FOOTING MUST BE RESTRAINED 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

Date _____
Designed _____
Drawn _____
Checked _____
Approved _____

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

United States
 Department of
 Agriculture

**Natural Resources
 Conservation Service**



Project Name _____
Drawing Name MA-WSF-06
Sheet d

WASTE STORAGE FACILITY
 8' HIGH "TEE" WALL
 FULL BACKFILL (6'-0" TO 8'-0")
 STANDARD DWG. NO. MA-WSF-06
 DATE Sept. 2009 SHEET 1 OF 1