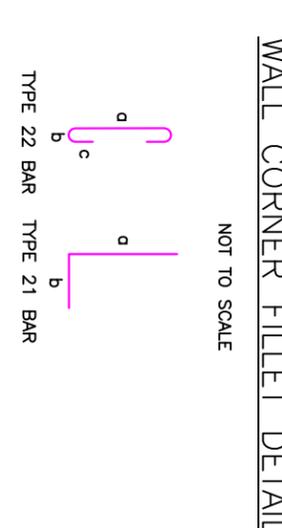
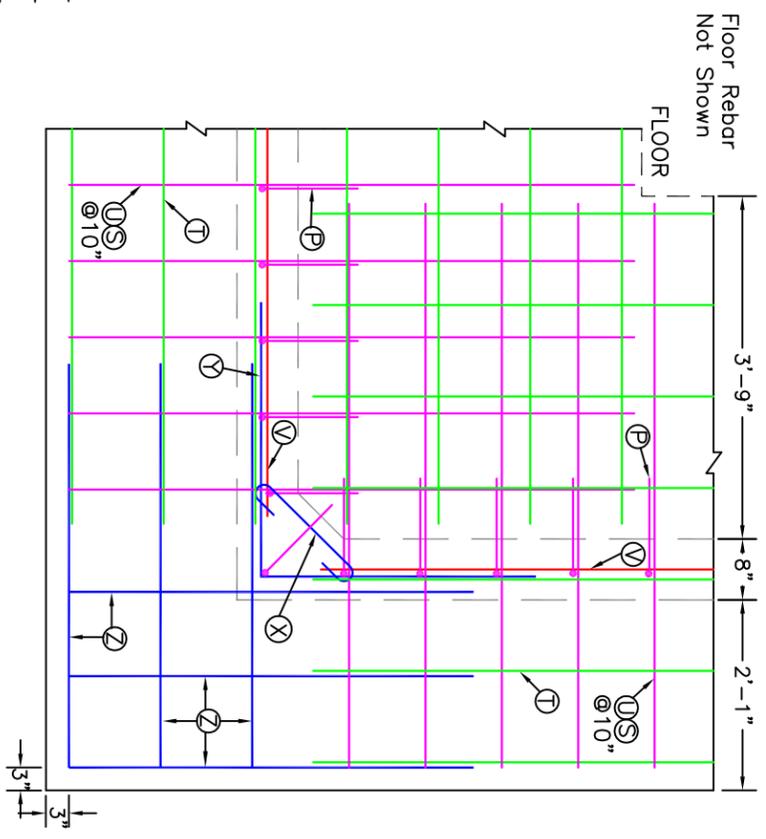
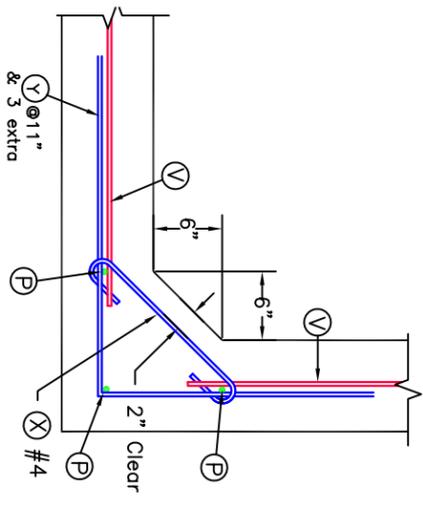
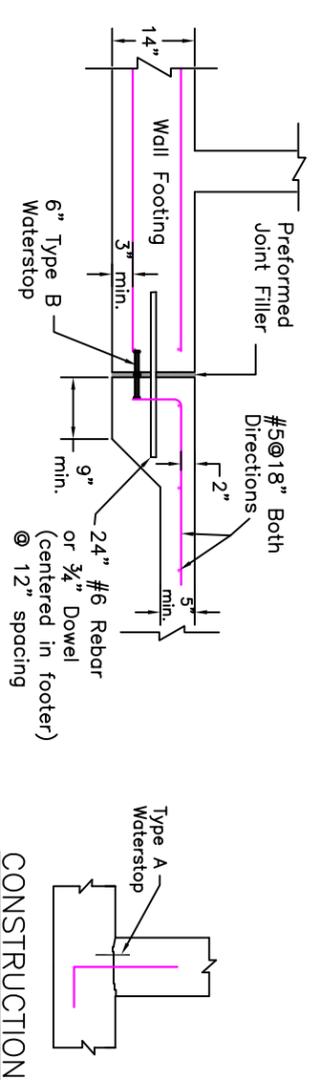
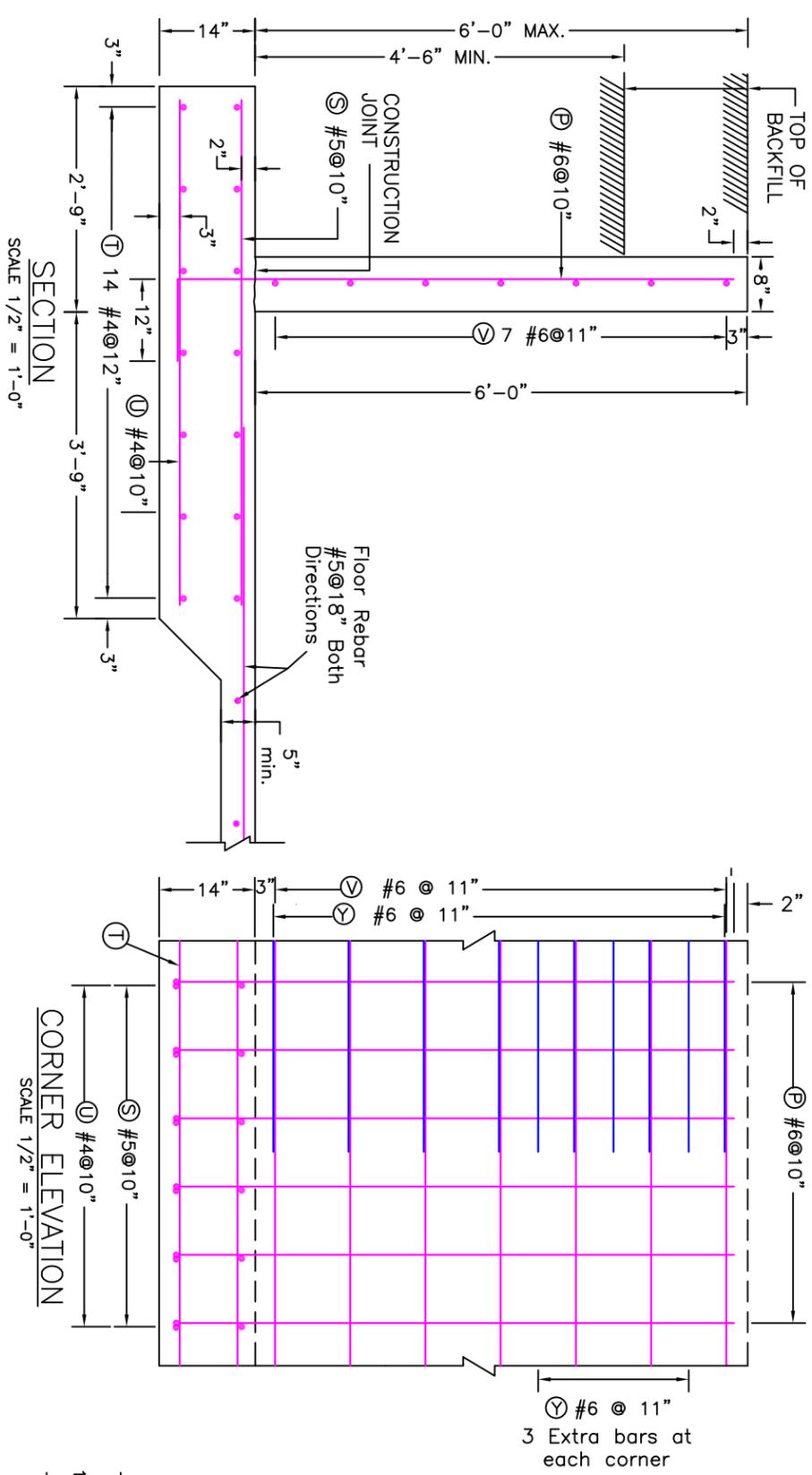


STEEL SCHEDULE								
MARK	SIZE	QUANTITY	TYPE	a	b	c	LENGTH	TOTAL LENGTH
P	6	21	Straight	6'-9"	1'-0"	-	7'-9"	
S	5	5	Straight	-	-	-	6'-2"	
T	4	4	Straight	-	-	-	6'-2"	
U	4	4	Straight	-	-	-	6'-2"	
V	6	6	Straight	-	-	-	6'-2"	
X	4	4	22	1'-5"	0'-2 1/4"	0'-4"	2'-5 1/2"	
Y	6	6	21	4'-0"	4'-0"	-	8'-0"	
Z	4	4	Straight	-	-	-	4'-5"	

#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 = 0.429 CY/FT. OF WALL LENGTH ESTIMATED TOTAL = _____ CY



- MINIMUM LAP SPLICE**
 #4 bars = 1'-8"
 #5 bars = 2'-1"
 #6 bars = 2'-6"
- WASTE STORAGE FACILITY**
 6' HIGH "TEE" WALL
 FULL BACKFILL (4'-6" TO 6'-0")

- ⊗ - 10 bars per corner
 - Ⓝ - 10 bars per corner
 - Ⓟ - 12 bars per corner
 - Ⓠ - 1 extra bar per corner
- NOTE: All bars spaced 12" on center except where noted.

WALL DESIGN LOADING
 * MANURE LOADING = 65 pcf
 * BACKFILL: GRANULAR, NON-COHESIVE
 * DENSITY = 120 pcf; $\phi = 30^\circ$
 * SURCHARGE = 2' OF BACKFILL EQUIVALENT (120 pcf 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 = 4'-6" TO 6'.
 * SOIL BACKFILL SHALL BE PLACED TO A MINIMUM DEPTH OF 4'-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 pcf
 * CONCRETE STRENGTH = 4,000 psi REBAR = GRADE 60