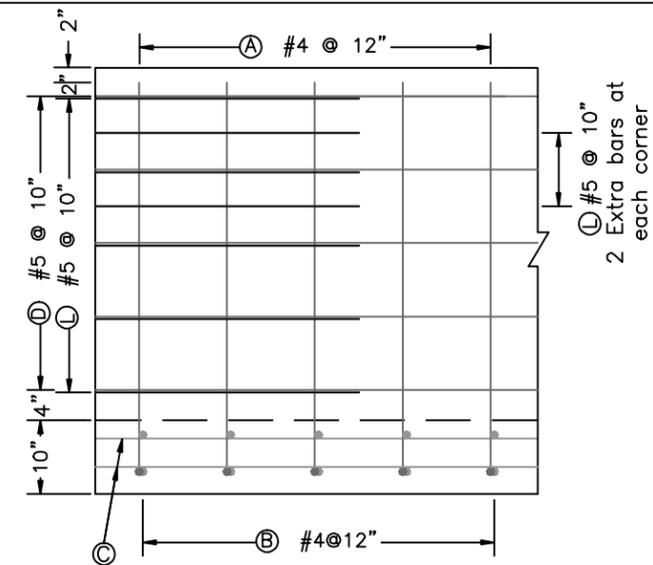
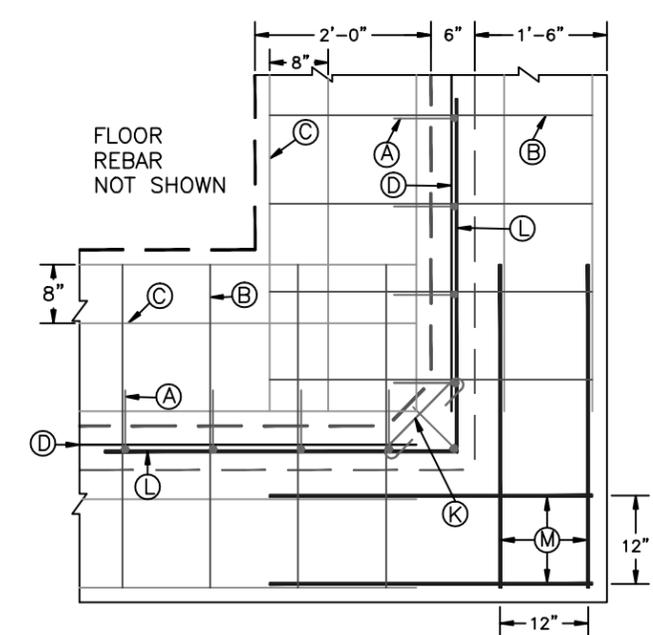


SECTION  
SCALE 1/2" = 1'



CORNER ELEVATION  
SCALE 1/2" = 1'

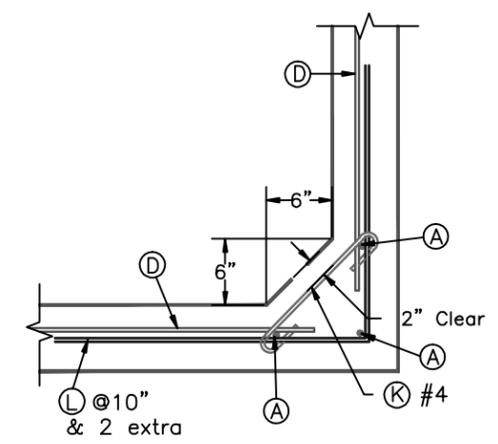


- Ⓚ - 7 Bars per corner
- Ⓛ - 7 Bars per corner
- Ⓜ - 8 Bars per corner
- ⓐ - 1 Extra Bar per corner

NOTE: All bars spaced 12" on center except where noted.

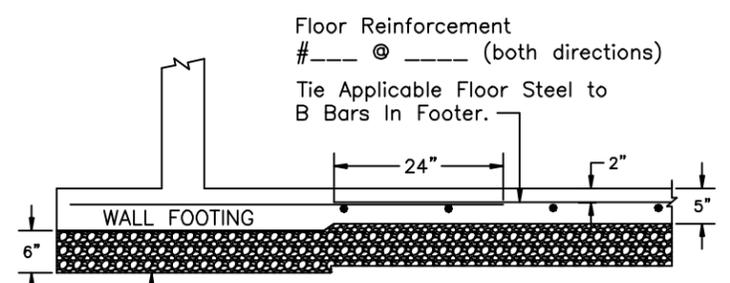
CORNER DETAIL (PLAN VIEW)

SCALE 1/2" = 1'



WALL CORNER FILLET DETAIL

NOT TO SCALE



FLOOR DETAILS

NOT TO SCALE

Subbase Material, Compacted Gravel, 6" Thick, Or As Required By The HUA Floor Requirements.

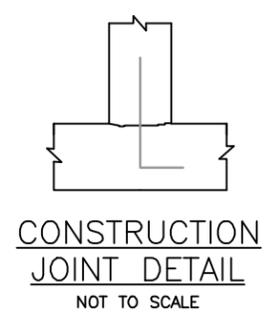
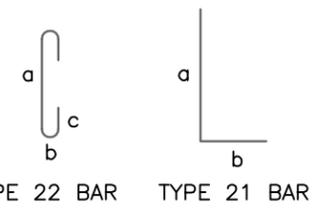
STEEL SCHEDULE

MARK	SIZE	QUANTITY	TYPE	a	b	c	LENGTH	TOTAL LENGTH
A	4		21	4'-5"	0'-8"	-	5'-1"	
B	4		Straight	-	-	-	6'-3"	
C	4		Straight	-	-	-		
D	5		Straight	-	-	-		
E	4		Straight	-	-	-	3'-8"	
K	4		22	1'-2 1/2"	0'-2 1/4"	0'-4"	2'-3"	
L	5		21	4'-0"	4'-0"	-	8'-0"	
M	4		Straight	-	-	-	3'-8"	

#4 BARS, TOTAL LENGTH = \_\_\_\_\_ X 0.668 LBS/FT. = \_\_\_\_\_ LBS  
 #5 BARS, TOTAL LENGTH = \_\_\_\_\_ X 1.043 LBS/FT. = \_\_\_\_\_ LBS  
 TOTAL REBAR = \_\_\_\_\_ LBS  
 CONCRETE = 0.198 CY/FT. OF WALL LENGTH ESTIMATED TOTAL = \_\_\_\_\_ CY

MINIMUM LAP SPLICE

#4 bars = 1'-8"  
 #5 bars = 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

- \* WALL CORNER IS OPTIONAL.
- \* UNLESS OTHERWISE SHOWN, PROVIDE A MINIMUM OF 2" OF CONCRETE COVER OVER ALL STEEL.
- \* 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

- \* NOT TO BE USED FOR WASTE STORAGE FACILITIES. THIS DRAWING IS TO BE USED FOR HUA BUCKWALLS ONLY.
- \* STANDARD DRAWING - DESIGNER MUST ENSURE THE APPLICATION OF THIS DRAWING MEETS THE ASSUMPTIONS OF THE DESIGN AS STATED.
- \* BACKFILL HEIGHT - 0' to 3'
- \* 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
- \* SLAB REINFORCING SHALL BE IN ACCORDANCE WITH ACI 360R-92(97), "DESIGN OF SLABS ON GRADE", 1997.

Date	
Designed	
Drawn	
Checked	
Approved	

STANDARD DRAWING  
 4' HIGH HUA BUCKWALL  
 PARTIAL BACKFILL (0 TO 3 FEET)  
 HEAVY USE AREA BUCKWALL



Project Name	
Drawing Name	MA-HUA-
Sheet	of

HUA BUCKWALL	
4' HIGH "TEE" WALL	
PARTIAL BACKFILL (0 TO 3 FEET)	
STANDARD DWG. NO.	MA-HUA-1
DATE	SHEET ____ OF ____