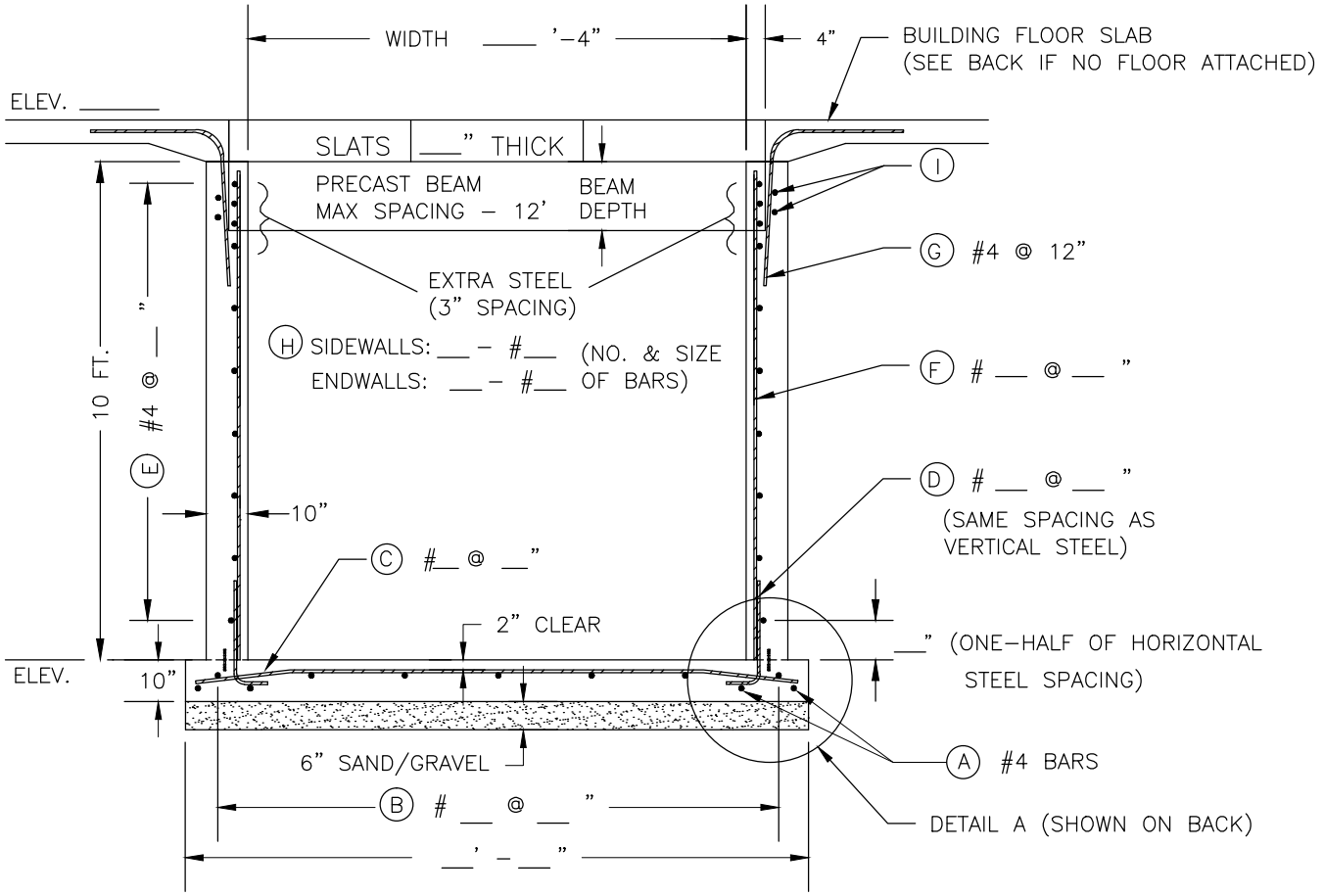
NOTES: 1) SHORE THE WALLS ON THE INSIDE, AT THE TOP, UNTIL THE SLATS AND BUILDING FLOOR ARE IN PLACE.
2) EXTRA STEEL TO BE EVENLY SPACED IN TOP 12" OF WALL.
3) (I) BARS TO BE EVENLY SPACED IN BEAM NOTCH DEPTH.

NOT TO SCALE

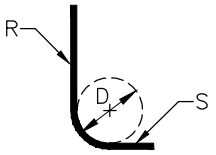
LID DESIGN LOADING (CIRCLE ONE)
I LIVESTOCK
II SKID-STEER LOADER
III TRACTOR

CONDITIONS OF USE
CONCRETE 4000 psi
BACKFILL TO TOP
SURCHARGE (Y or N)
SOIL EFP = 60

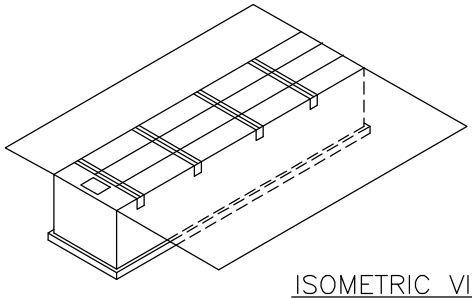


STEEL SCHEDULE (GRADE 40 OR 60) (CIRCLE ONE)

MARK	SIZE	TYPE	R	S	T	U	LENGTH
A	4	STR	--	--	--	--	
B		STR	--	--	--	--	
C		STR	--	--	--	--	
D		21			--	--	
E	4	STR	--	--	--	--	
F		STR	--	--	--	--	
G	4	21	2'-0"	2'-0"	--	--	4'-0"
H		STR	--	--	--	--	
I**		3	1'-7"				



TYPE 21 BAR



ISOMETRIC VIEW

**SEE WI-744C PAGE 2 OF 2 FOR TYPE 3 BAR DETAIL.

NOTE: VERTICAL WALL STEEL AND ENDS OF REINFORCEMENT REQUIRE 2" CLEAR COVER.

SEE WI-745 FOR CORNER STEEL DETAIL.

TYPICAL BEAM SECTION 11" x 14" DEEP

United States Department of Agriculture
Natural Resources Conservation Service

BEAM AND SLAT LID
TANK IN INTERIOR OF BUILDING
10 FOOT WALL

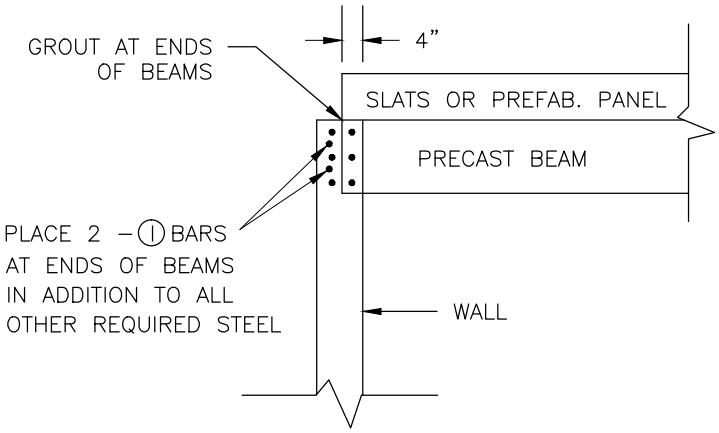
CLIENT: _____
COUNTY: _____

Date
Designed _____
Drawn _____
Checked _____
Approved _____

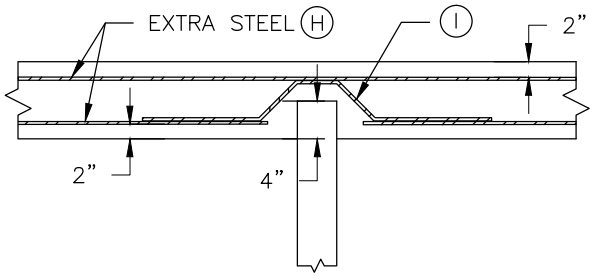
File Name WI-744C
Date 08/14
Sheet of

CONFIGURATION OF WALL IF THERE IS NO ATTACHED BUILDING FLOOR

NOT TO SCALE



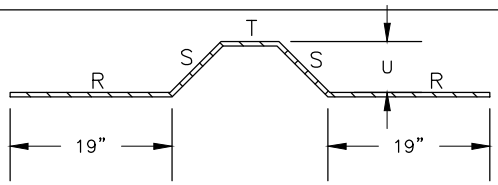
SIDEWALLS PLAN VIEW



NOTES: 1) EXTRA STEEL ON INSIDE FACE TO END 3" FROM BEAM NOTCH.
2) EXTRA STEEL ON OUTSIDE FACE TO BE CENTERED ON BEAM NOTCH.

STEEL DETAILS		
BAR SIZE	BEND DIAMETER (D) INCHES	SPLICE LENGTH INCHES (MIN.)
#3	2–1/4	12
#4 – HORIZ. WALL	3	19
#4 – ALL OTHER	3	15
#5 – HORIZ. WALL	3–3/4	24
#5 – ALL OTHER	3–3/4	19
#6 – HORIZ. WALL	4–1/2	29
#6 – ALL OTHER	4–1/2	22
#7 – HORIZ. WALL	5–1/4	42
#8 – HORIZ WALL	6	48

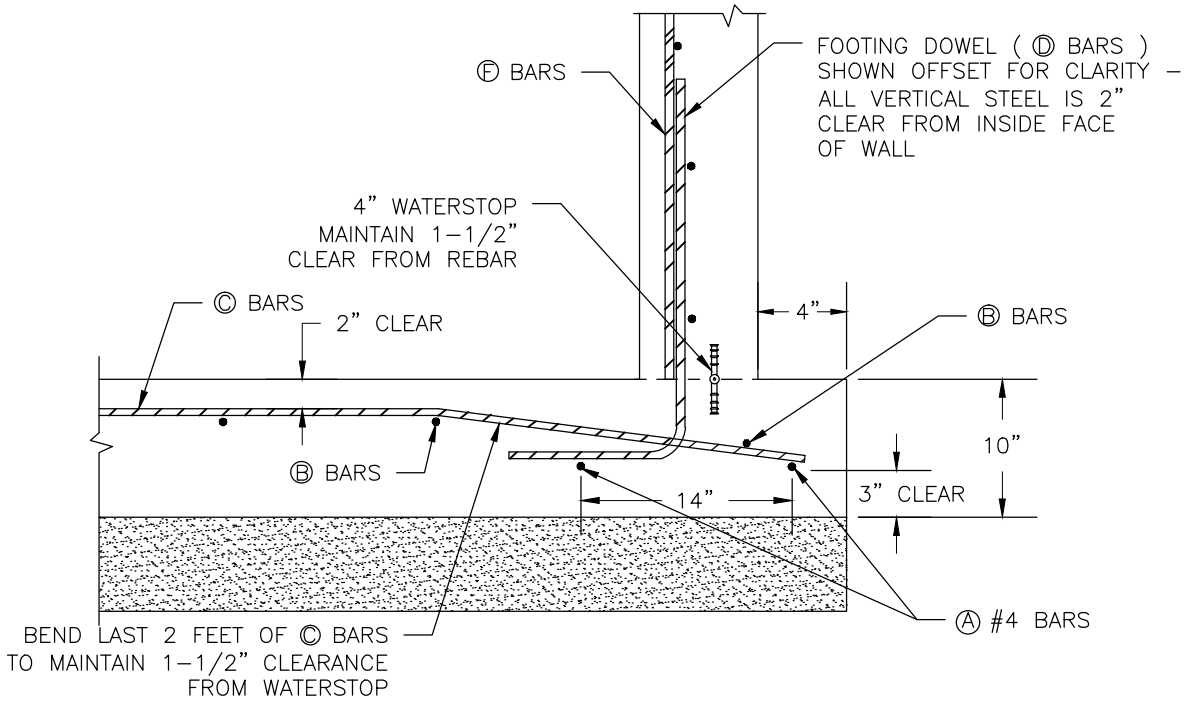
NOTE: HORIZONTAL STEEL IN WALLS REQUIRES A LONGER SPLICE THAN HORIZONTAL STEEL WITH 12" OR LESS OF FRESH CONCRETE CAST BELOW THE SPLICE.



WALL THICKNESS	U	S	T
8"	4"	5.7"	BEAM WIDTH + 3"
10"	6"	8.5"	BEAM WIDTH
12"	8"	11.3"	BEAM WIDTH – 2"

BAR SIZE	LENGTH
#5 BAR FOR GRADE 40 #4 BAR FOR GRADE 60	38" + T + 2S = ___"

TYPE 3 BAR



THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE.
THIS DRAWING WAS PREPARED AT THE NRCS STATE OFFICE,
8030 EXCELSIOR DRIVE, SUITE 200 MADISON, WI 53717–2906