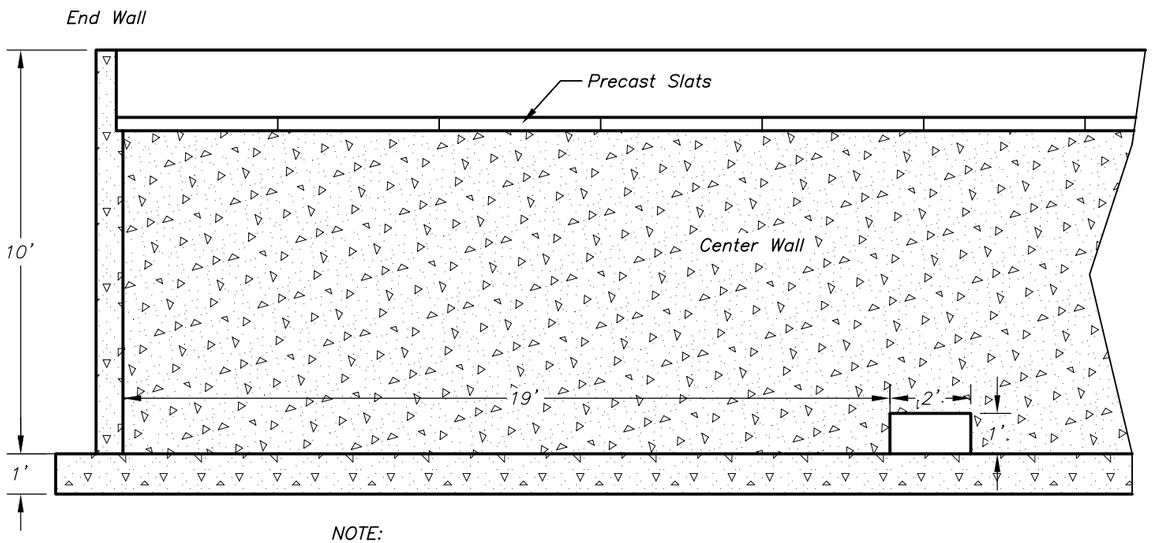
29N608-5



NOTE:
Place cutouts every 20 ft along center wall.

ELEVATION – CENTER WALL

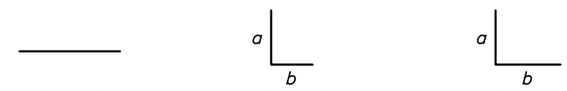
DESIGN PARAMETERS:

1. Wall design based on walls buried 7.5 ft below original grade. Vehicle surcharge load included.
2. Backfill must be adequately drained.
3. All structural concrete shall have minimum 28–day compressive strength of 4000 psi.
4. Concrete reinforcing steel minimum Grade 60.
5. Minimum rebar overlap for lap splice will be 30 bar diameters.
6. Minimum soil bearing strength 2,000 lb/ft ^{2}.

NOTES:

1. Consult landowner for overall dimensions of building.
2. Contractor shall install a water stop at location of all construction joints in pit walls and floor slab.
3. Water stops shall be securely fixed in place to prevent voids or "foldover" of water stop. Vibrate around water stop to ensure water tight seal with no voids.
4. All construction joints shall be made with canted 2 by 4 key at least 2.5 inches from face of concrete.
5. Divider wall between pits must have 1'x 2' holes placed at 20 foot intervals directly above floor along length of wall.
6. Other means of allowing fluid pressure to equalize between pits must be approved by the engineer.
7. Rebar doweled into existing concrete shall be grouted or filled with sealer before concrete is placed.
8. All beams and floor slats shall be grouted around ends and sides to become one solid brace between end and side walls.

Rebar shall be accurately placed and secured in position with tie wire, hangers, spacers or concrete chairs to prevent it's displacement during the placement of concrete.
NRCS shall inspect all rebar tied in place before concrete is poured. Contractor shall notify NRCS 48 hours in advance.



MARK	SIZE	SPACE ON CENTER	TYPE	LENGTH	a	b	
F1	#4	12"	1	20'–0"			Splice
F2	#4	24"	1	2'–0"			
W1	#5	12"	2	3'–6"	2'–6"	1'–0"	
W2	#5	12"	1	9'–9"			
W3	#4	12"	1	20'–0"			Splice
W4	#5	15"	1	20'–0"			Splice
W5	#5	6"	1	Beam Spaced			
W6	#5	12"	1	7'–9"			
PO	#4	6"	1	Varies			
CB	#4	12"	3	3'–0"	1'–6"	1'–6"	
S	#4	18"	1	20'–0"			Splice
C1	#5	18"	1	3'–6"			
C2	#5	Column	1	7'–4"			
C3	#3	Column ties					

DRAFT

NOT FOR CONSTRUCTION

Date
Designed
Drawn
Checked
Approved

CENTER WALL AND REBAR SCHEDULE
CONCRETE PIT WITH PRECAST SLATS

United States Department of Agriculture
NRCS Natural Resources Conservation Service

File Name

Drawing Name
29–N–608

Sheet of

Revised 2/11

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