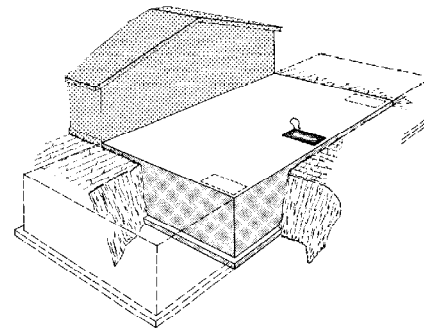
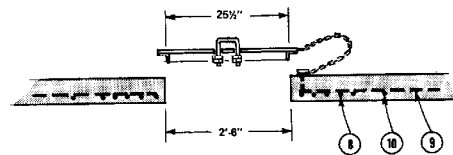
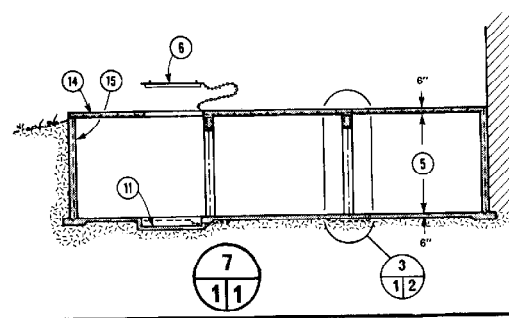
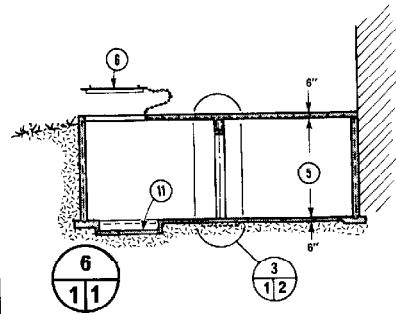
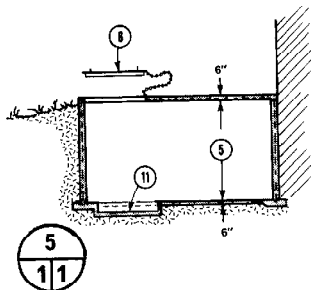
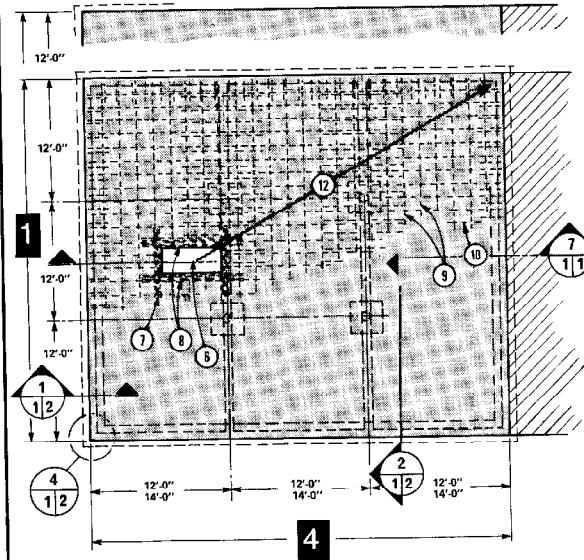
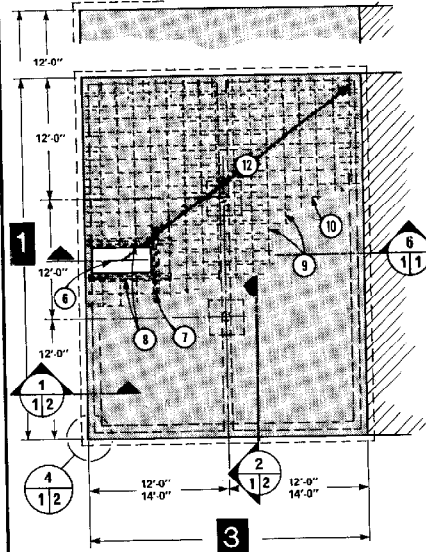
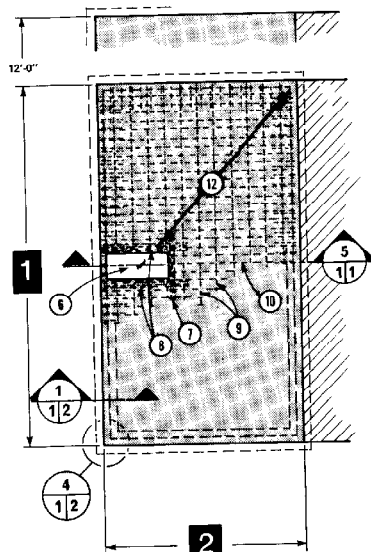


6



- 1 length in multiples of 12'-0"; maximum length is controlled by (12), for larger tank use 2 or more access ports (6)
- 2 may be 12', 14', or 16' span
- 3 2 slab spans of 12'-0", 24'-0" total or 2 slab spans of 14'-0", 28'-0" total
- 4 3 slab spans of 12'-0", total 36'-0" or 3 slab spans of 14'-0", total 42'-0"
- 5 tank depth may be 8'-0" or 10'-0"
- 6 2'-6" x 6'-0" access port; cover plate 1/2" checkered steel with 2" x 2" x 1/4" steel angle frame (45 lb. min. total); safety chain welded to cover and bolted to tank; all steel rust-proof painted; see also detail (6)
- 7 3 - No. 5 x 6'-8" rebars @ 3" oc, 2" from bottom of slab, extend 24" beyond opening as shown
- 8 4 - No. 5 x 8'-0" rebars @ 3" oc, 1 1/2" from bottom of slab, locate as shown, in addition to (10)
- 9 No. 5 rebars, continuous @ 1'-8" oc
- 10 No. 5 rebars, continuous, spaced at 18" oc for spans of 12'-0" 13" oc for spans of 14'-0" 10" oc for spans of 16'-0" concrete cover of 2" below the rebars
- 11 6'-0" x 6'-0" x 1'-0" deep sump under each access port (6)
- 12 tank dimensions (1), (2), (3), and (4) depend on maximum agitation radius of pump used; typical tractor-powered pumps agitate 25' to 30' (see manufacturer)
- 13 reinforcing steel to be deformed bars, 60 000 psi grade; concrete to be 4000 psi @ 28 days, 6% air entrained
- 14 tank covers designed for 73 psf dead load and 100 psf live load, based on typical snow loads and animal traffic, NOT WHEEL LOADS SUCH AS MANURE TANKERS OR LOADED TRUCKS
- 15 tank walls designed for soil water-saturated to full wall height; DO NOT DRIVE LOADED MANURE TANKERS OR TRUCKS CLOSE TO THE TANK WHEN SOIL IS WET

WARNING
This plan may require structural and other changes to meet local site conditions, climatic loads, user requirements and applicable building regulations (such as the Canadian Farm Building Code). Before construction, the user of this plan is responsible to ensure that all required changes are made.



DESIGNED <i>DEM</i>		DATE <i>83-01</i>		PLAN <i>10712</i>	
DRAWN <i>Blair/Morison</i>		REVISED <i>83-08</i>		DETAIL NUMBER <i>A</i>	
TRACED		ORIGINATES ON SHEET <i>B</i>		DRAWN ON SHEET <i>C</i>	
CHECKED <i>JET</i>		APPROVED <i>JET</i>		SHEET <i>1</i> OF <i>1</i>	

1

2


3

20



- 1 gas trap for scrape-alley system
 - 2 gas trap for continuous-flow system
 - 3 gas trap for gravity-flush system
 - 4 floor level of building
 - 5 gas trap box,
 - 6 manure tank
 - 7 No.5 x 6'-0" L shaped rebars;
for 12'-0" span slab space at 18" oc
for 14'-0" span slab space at 14" oc
for 16'-0" span slab space at 12" oc
 - 8 No.5 x 8'-0" rebars over beams;
for 12'-0" span slab space at 14" oc
for 14'-0" span slab space at 10" oc
held in place with 3 - No. rebars
across
 - 9 No.5 x 6'-8" horizontal L-shaped
rebars at corners @ 20" oc
 - 10 No.5 vertical rebars;
space at 20" oc for 8' high walls
space at 12" oc for 10' high walls
 - 11 No.5 horizontal temperature rebars
spaced @ 20" for 8' and 10' wall
height
 - 12 No.5 x 8'-0" L rebars, 3 bars at
each end of each beam
 - 13 2 - No.5 x 8'-0" rebars, centered
over column for slab span 19 = 12'
 - 14 3 - No.5 x 8'-0" rebars, centered
over column slab span 19 = 14'
 - 15 2 - No.5 rebars, continuous for 12'
slab spans
 - 16 3 - No.5 rebars, continuous for 14'
slab spans
 - 17 No.3 stirrups @ 8"
 - 18 12" dia. columns @ 12'-0" oc, with
No.3 spiral @ 3" oc and 6-No.3 vertical
rebars extended 6" into beam above; or
column may be made 12" square and
reinforced with 4 - No.4 vertical
rebars form pocket 11" deep into floor
slab to locate bottom of column
 - 19 slab span 12'-0" or 14'-0"
 - 20 typical stirrup and longitudinal
reinforcement in beam
 - 21 air tight cover plate
 - 22 soil safe bearing pressure
psf
 - square foot
width
(22)
 - rebars
each
way
- | | | |
|------|-------|--------|
| 2000 | 4'-8" | 4-No.5 |
| 3000 | 3'-8" | 3-No.5 |
| 4000 | 3'-4" | 3-No.5 |
- 23 see sheet 1, notes (9) & (10)

	revised & re-issued	<i>DIM</i>	83-08
SYM	REVISIONS	CHECKED	DATE APPROVED

	STRUCTURAL DETAILS			
	(not to scale)			
	DESIGNED <i>DIM.</i>	DATE 83-01		
	DRAWN <i>Blair/Mordan</i>	REVISED 83-08		
	<table border="1"> <tr> <td> PLANNED TRACED CHECKED <i>J.E.T.</i> </td> <td> DATE NUMBER COORDINATE ON SHEET DRAWING ON SHEET </td> <td> A B C </td> </tr> </table>		PLANNED TRACED CHECKED <i>J.E.T.</i>	DATE NUMBER COORDINATE ON SHEET DRAWING ON SHEET
PLANNED TRACED CHECKED <i>J.E.T.</i>	DATE NUMBER COORDINATE ON SHEET DRAWING ON SHEET	A B C		

PLAN 10712	SHEET 2 OF 2
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