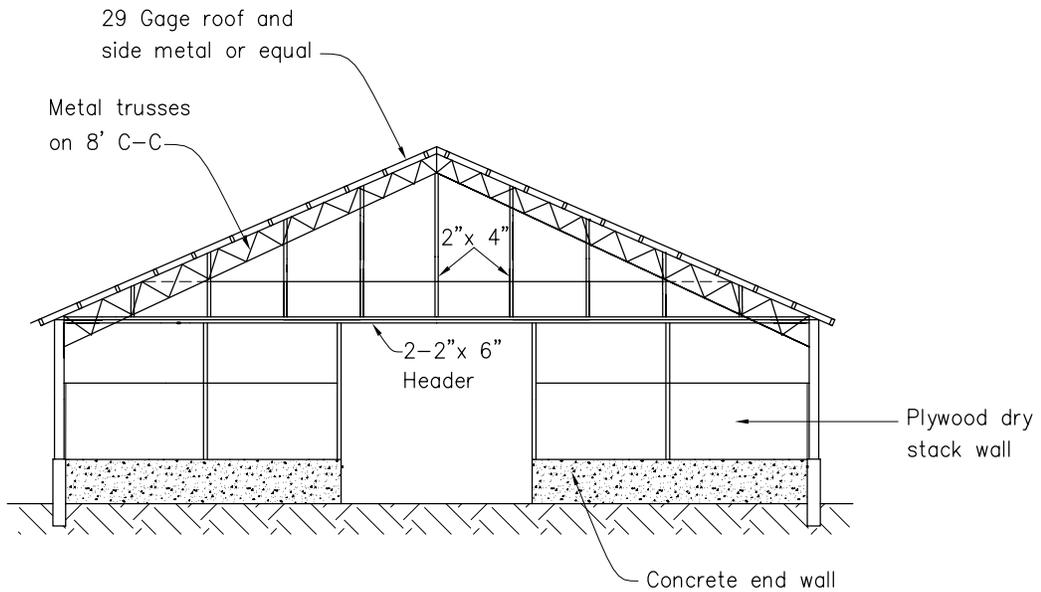


Wooden composter wall

Concrete end wall

FRONT VIEW

DRY STACK/COMPOSTER STRUCTURE



FRONT VIEW

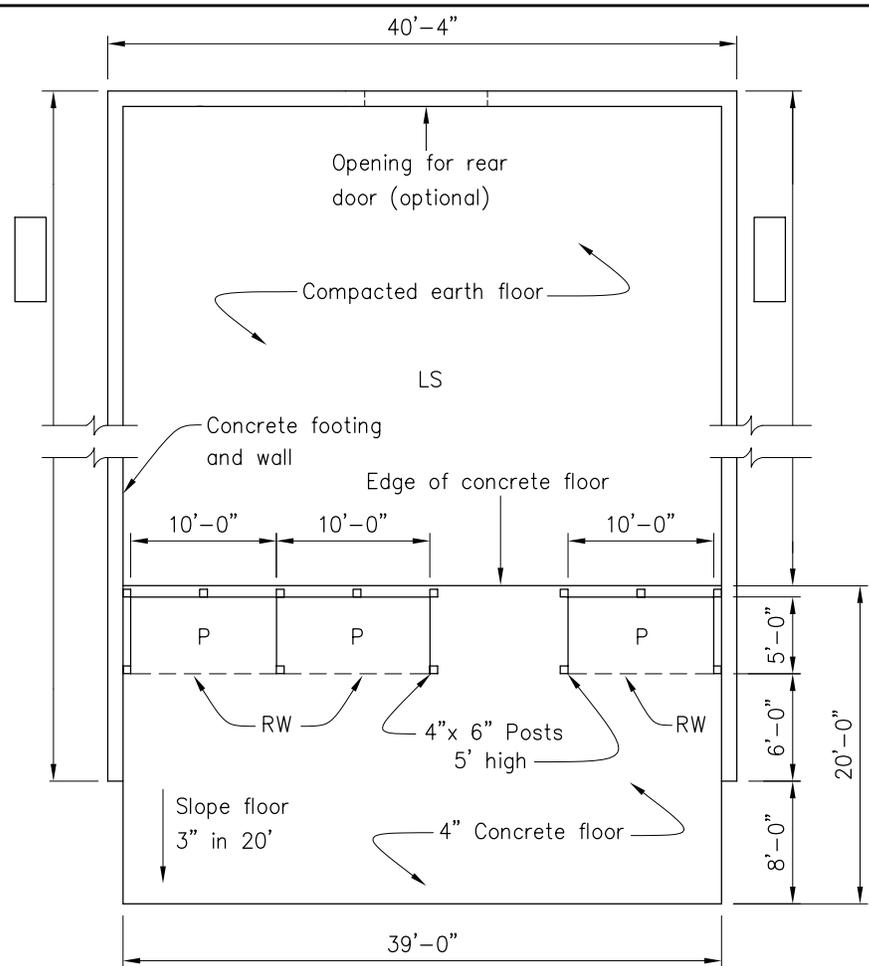
CAKEOUT STORAGE STRUCTURE

(NOT TO SCALE)

NOTES:

1. All component notes are common to both structures.
2. Optional metal side walls must not encroach to an area within 2 ft. from the bottom of the eave.

_____ FARM			
DRY STACK/COMPOSTER AND CAKEOUT STORAGE STRUCTURES			
_____ COUNTY, OKLAHOMA			
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed <u>W. PRINCE</u> _____ <u>4/96</u>	Approved by _____		
Drawn <u>T. POTTER</u> _____ <u>5/04</u>	Title _____		
Traced _____	Sheet	Drawing No.	
Checked <u>D. HICKMAN</u> _____ <u>5/04</u>	No. <u>1</u>	OK-DWG-No. 414	
	Of <u>3</u>		

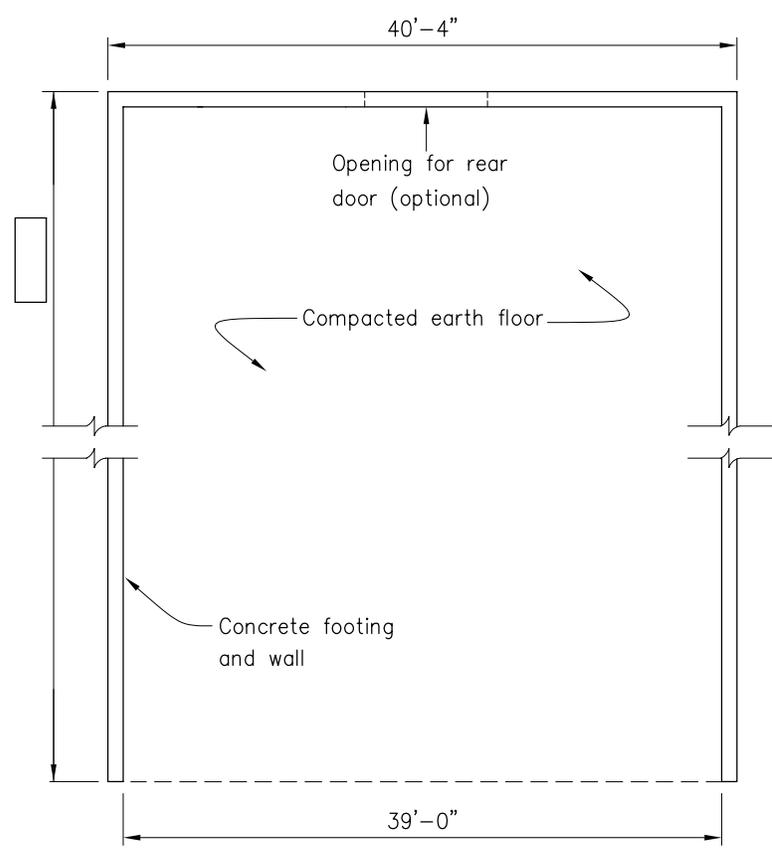


PLAN VIEW

DRY STACK/COMPOSTER STRUCTURE

LEGEND

- RW - Removable wall
- LS - Litter storage
- P - Primary cell, 5' X 5' X 10'



PLAN VIEW

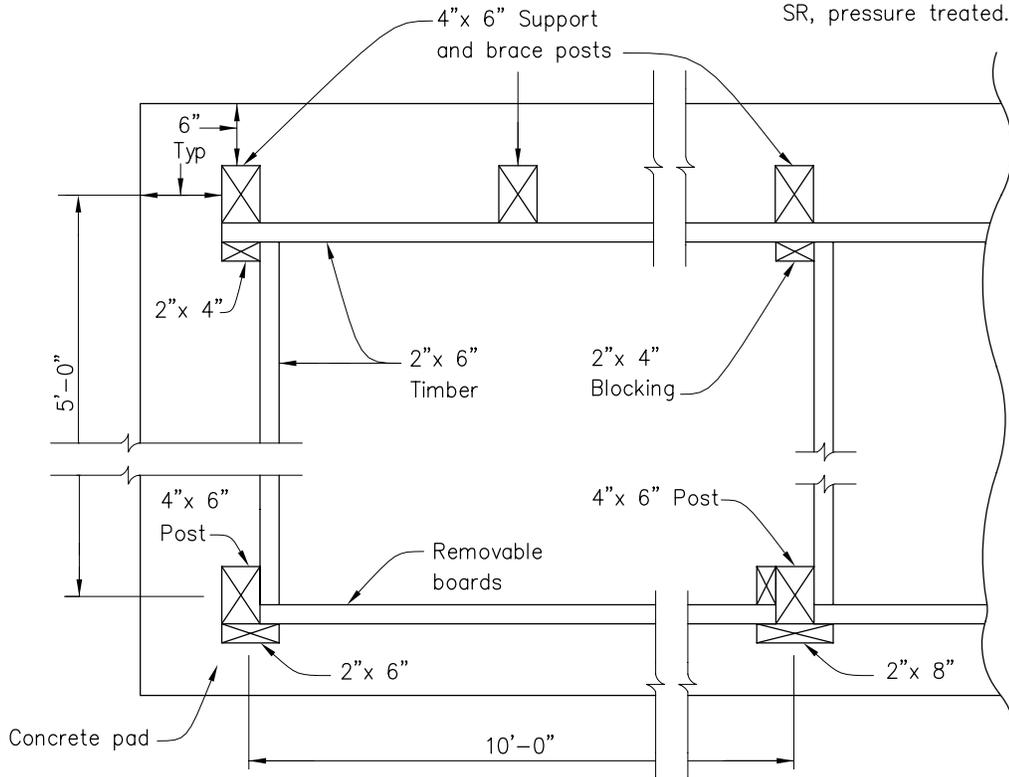
CAKEOUT STORAGE STRUCTURE

This practice meets NRCS specifications _____ Date _____

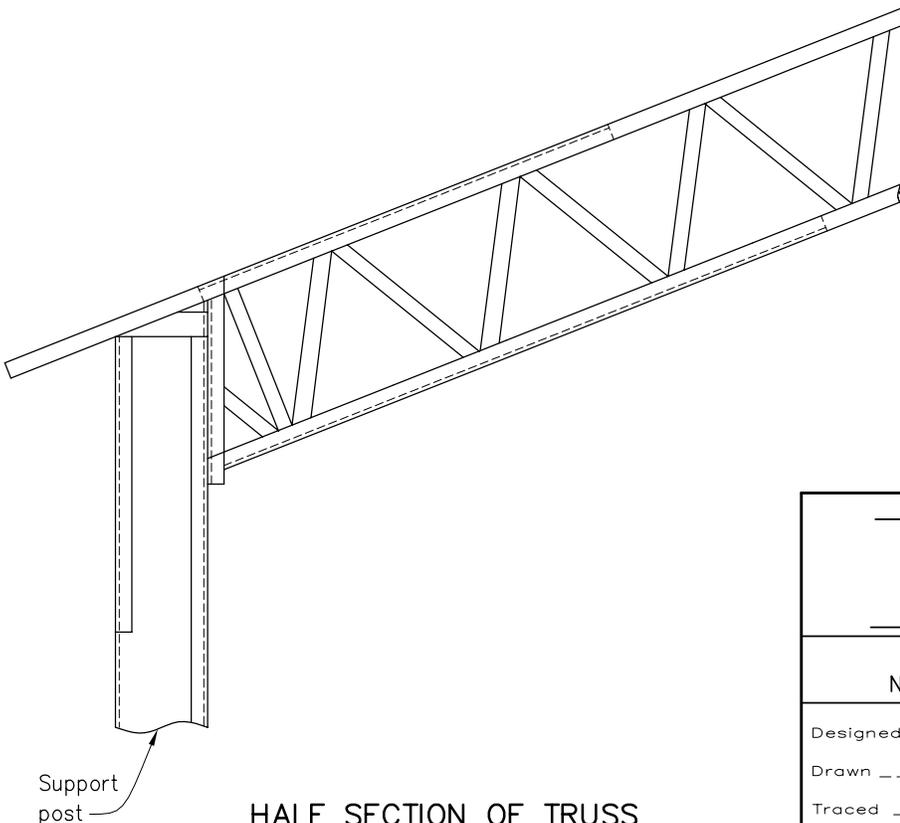
(NOT TO SCALE)

_____ FARM DRY STACK/COMPOSTER AND CAKEOUT STORAGE STRUCTURES _____ COUNTY, OKLAHOMA	
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	
Designed <u>W. PRINCE</u> _____ <u>4/96</u> Drawn <u>I. POTTER</u> _____ <u>7/02</u>	Approved by _____ Title _____
Traced _____ Checked <u>D. HICKMAN</u> _____ <u>7/02</u>	Sheet _____ Drawing No. _____ No. <u>2</u> Of <u>5</u> OK-DWG-No. 414

NOTE: Post configuration may vary due to building layout. Metal plates, strips or angle iron may be bolted to posts with lag screws to hold removable boards to make removal easier. All wall lumber shall be No. 2 SR, pressure treated.



TYPICAL COMPOSTER WALL DETAILS



HALF SECTION OF TRUSS

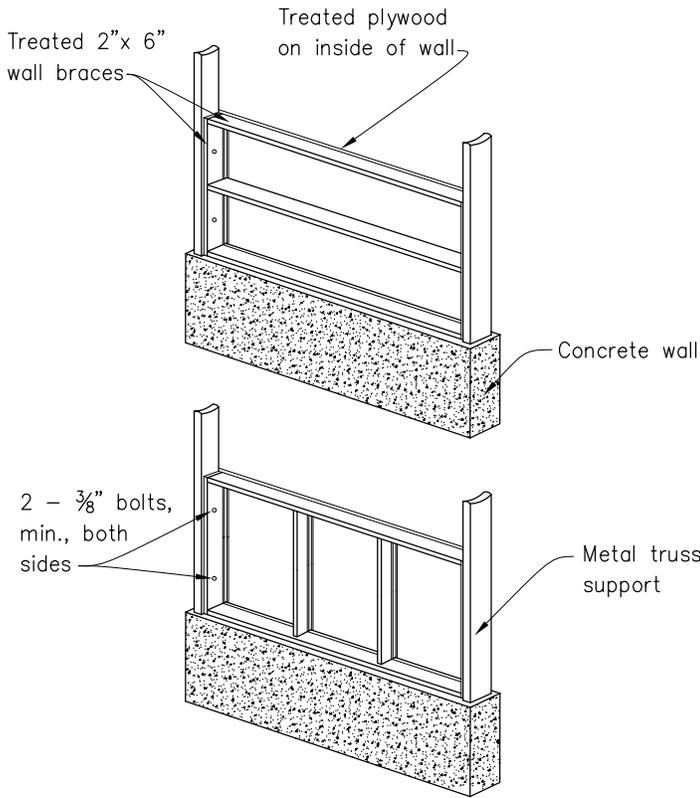
NOTE:
Stiffener shall be fabricated by the truss manufacturer as designed by a registered professional engineer.

(NOT TO SCALE)

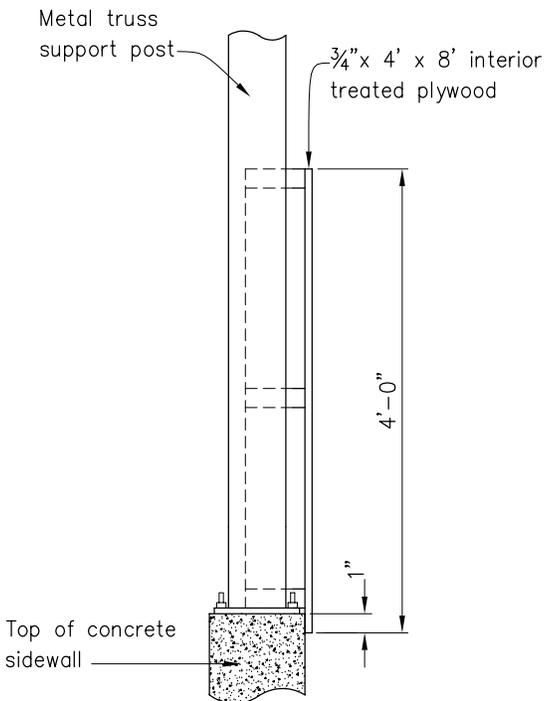
_____ FARM DRY STACK/COMPOSTER AND CAKEOUT STORAGE STRUCTURES _____ COUNTY, OKLAHOMA			
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
Designed <u>W. PRINCE</u> _____ <u>4/96</u>	Approved by _____		
Drawn <u>T. POTTER</u> _____ <u>7/02</u>	Title _____		
Traced _____	Sheet	Drawing No.	
Checked <u>D. HICKMAN</u> _____ <u>7/02</u>	No. <u>3</u> Of <u>5</u>	OK-DWG-No. 414	

NOTE:

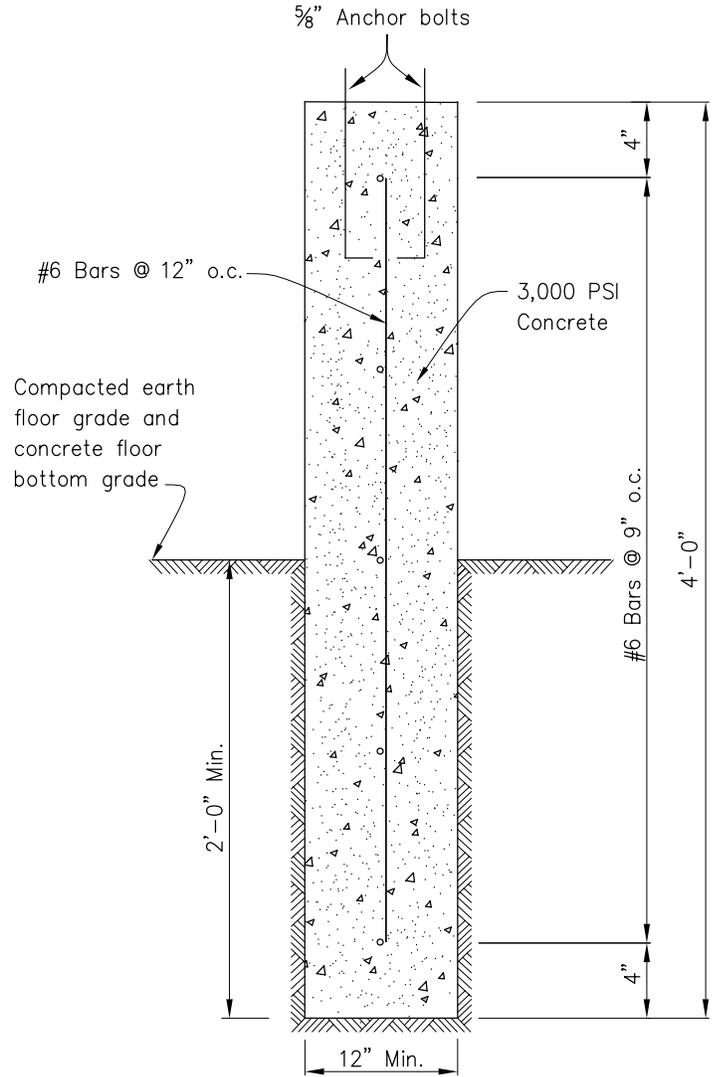
Fasten 2"x 6" wall braces together with 3 - 16d galvanized nails per connection, min. Fasten plywood to braces with 10d galvanized nails on 12" spacing along the braces, min. 2"x 6" wall braces will be pressure treated unless exterior is enclosed completely.



PLYWOOD WALL BRACING DETAIL
(TYPICAL OPTIONS)



PLYWOOD AND SIDEWALL DETAIL



CONCRETE WALL AND FOUNDATION DETAIL

NOTE:

Anchor bolt spacing to be adjusted to fit bottom flange of metal truss support.

(NOT TO SCALE)

_____ FARM DRY STACK/COMPOSTER AND CAKEOUT STORAGE STRUCTURES _____ COUNTY, OKLAHOMA	
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	
Designed <u>W. PRINCE</u> _____ 4/96 Drawn <u>T. POTTER</u> _____ 5/04 Traced _____ Checked <u>D. HICKMAN</u> _____ 5/04	Approved by _____ Title _____ Sheet _____ Drawing No. _____ No. <u>4</u> Of <u>5</u>
OK-DWG-No. 414	

DRY STACK/COMPOSTER STRUCTURE						
Number of Birds	Primary Bins Number Required	Building Lengths (ft.)				Total Length
		Overhang	Primary Bins	Secondary Storage	Cakeout Storage	
20,000	2	6	5	1	15	27
25,000	2	6	5	1	18	30
30,000	2	6	5	1	20	33
35,000	2	6	5	1	23	35
40,000	2	6	5	2	26	38
45,000	2	6	5	2	29	41
50,000	2	6	5	2	31	44
55,000	2	6	5	2	34	47
60,000	2	6	5	2	37	50
65,000	3	6	5	3	40	53
70,000	3	6	5	3	42	56
75,000	3	6	5	3	45	59
80,000	3	6	5	3	48	62
85,000	3	6	5	3	51	65

NOTES:

- Total building lengths may be rounded up to the next 4 foot interval to facilitate construction.
- Dimensions shown are for a 40 foot truss span to the outside of the posts.
- Concrete pad shall extend 6" min. outside all composter brace posts, except adjacent to concrete sidewall.
- All lumber must be treated except for rafters, purlins and cross braces.
- Dry stack support posts shall be a metal post fabricated by the truss manufacturer as designed by a registered professional engineer.
- Trusses shall be designed for a combined live and dead loading of 25 PSF by a registered professional engineer and shall be installed as designed.
- All nails, bolts, nuts and washers which will be in contact with the wastes shall be galvanized.
- Planks are to be 2" x 8" No. 2 SR, pressure treated wood of variable lengths.
- Cleats to secure removable planks may be 2" x 2" wooden cleats or 2" x 1 1/2" angle iron.
- Top 3 planks between primary and secondary bins are to be removable. Support with 2" x 6" blocks attached to both sides of 4" x 6" post.
- Attach purlins to rafters with manufactured framing anchors.
- All composter wall bolts shall be 5/8" diameter with washer at both ends.
- All composter wall 16d nails shall be galvanized ring shanked.

CAKEOUT STORAGE STRUCTURE			
Number of Birds	Building Lengths (ft.)		
	Overhang	Cakeout Storage	Total Length
20,000	6	15	21
25,000	6	18	24
30,000	6	20	26
35,000	6	23	29
40,000	6	26	32
45,000	6	29	35
50,000	6	31	37
55,000	6	34	40
60,000	6	37	43
65,000	6	40	46
70,000	6	42	48
75,000	6	45	51
80,000	6	48	54
85,000	6	51	57
90,000	6	54	60
95,000	6	56	62
100,000	6	59	65
*			

* For larger structures:

$$\text{Building length} = (\# \text{ birds} \times 0.00055) + 9.75$$

_____ FARM DRY STACK/COMPOSTER AND CAKEOUT STORAGE STRUCTURES _____ COUNTY, OKLAHOMA			
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE			
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