

PLAN VIEW

EACH 12' BAY WILL HOLD 80 TONS OF 60 PCF FERTILIZER

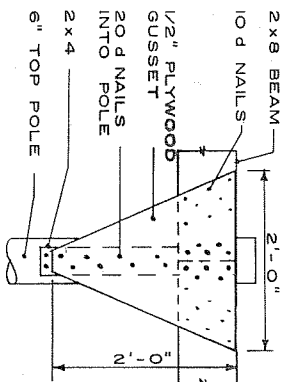
PRESERVATIVE TREATED 2x6 T&G SPLASH PLANKS OUTSIDE

6" TOP POLES

PLYWOOD PARTITION ON ALTERNATE SIDES OF POLES

10' HIGH 12" WIDE ROLLING DOORS

BEAM SUPPORT



24/0 DFPA EXTERIOR C-C OR INTERIOR C-C OR STANDARD WITH EXTERIOR GLUE

2x4 RAFTERS 24" o.c.

2x8 BEAM, BOTH SIDES

1/2" PLYWOOD GUSSET

2x4 BLOCK

6" TOP POLE

PLYWOOD LINING FORMS A ZIGZAG PATTERN (48/24 DFPA STRUCTURAL I OR II OR STANDARD WITH EXTERIOR GLUE)

2x12 SPLIT AT 45° TO BACK NAIL PLYWOOD TO BACK WITH 8d 6" o.c.

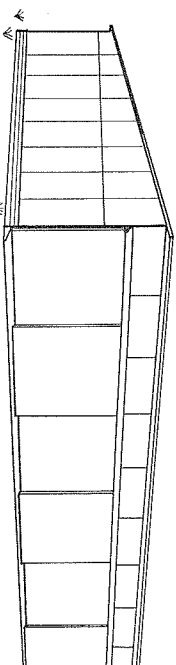
NAIL PLYWOOD TO POLES WITH 16d RING SHANK 3" o.c.

2x8 RUB RAILS

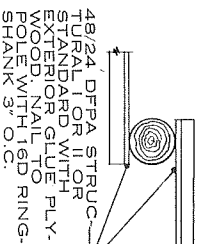
6" CONCRETE FLOOR

EMBED POLES 3'-6" OR MORE FOR SOFT SOIL REST ON 12" ROUND CONCRETE PAD (2700 LB. PER POLE)

SECTION A-A



- NOTES:
1. Plywood siding is Exterior type (EXT-DFPA): A-C, B-C or C-C grade. Plywood roof sheathing has an Identification Index of 24/0 and is DFPA EXTERIOR C-C or DFPA INTERIOR STRUCTURAL I or II or STANDARD with exterior glue.
 2. Plywood lining has an Identification Index of 48/24 and may be DFPA STRUCTURAL I or II or STANDARD with exterior glue. The moisture resistance of these grades match conditions permitted inside fertilizer storage. They are not substitutes for Exterior type plywood.
 3. All lumber is Construction grade Douglas fir, No. 1 Southern pine or equivalent.
 4. All poles and lumber in contact with soil shall be pressure treated with creosote or penta, with a minimum retention of 8 lbs. per cu. ft.
 5. Use only corrosion resistant nails.



2x12 SPLIT AT 45° OVER JOINT NAIL PLYWOOD FROM BACK WITH 8d CORROSION RESISTANT NAILS 6" o.c. IN BOTH EDGES

3/8" EXTERIOR-TYPE (EXT-DFPA) PLYWOOD SIDING, A-C, B-C, OR C-C GRADE

PLYWOOD LINING (48/24 DFPA STRUCTURAL I OR II OR STANDARD WITH EXTERIOR GLUE)

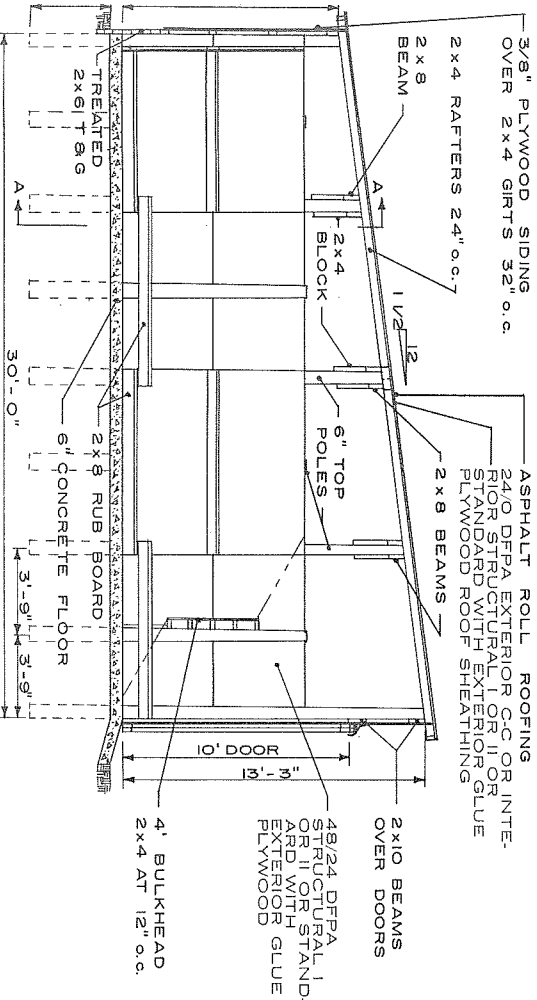
2x6 GIRTS AT JOINT

6" TOP POLE

2x4 BLOCKING ON POLE FACE BETWEEN GIRTS

LINING DETAIL

This design is based on the use of DFPA Grade-Trademarked plywood. Structural deficiencies may result with the substitution of materials. Because erection of the structure cannot be supervised, no liability can be assumed by the designer or the American Plywood Association.



PARTITION

SHED ROOF
FERTILIZER STORAGE

Developed by the American Plywood Association

MATERIAL LIST: SHED ROOF FERTILIZER STORAGE

12' Bay				
Item and Use	Pieces	Size or Identification Index	Length	Sq. Ft.

PLYWOOD: (DFPA Grade-trademarked)

Roof Sheathing; (C-C EXT-DFPA) INT. STRUCT. I or II or STANDARD with exterior glue	12	24/0	4' x 8'	384
Siding; B-C or C-C (A-C EXT-DFPA)	4½	3/8"	4' x 8'	144
Doors; B-C or C-C (A-C EXT-DFPA)	3	3/8"	4' x 10'	120
Gussets; STRUC. I or II	1	1/2"	4' x 8'	32
Partition; STANDARD with exterior glue	11	48/24	4' x 8'	352

Item and Use	Pieces	Size	Length	FBM
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LUMBER: (Construction grade Douglas fir or No. 1 Southern pine)

Rafters	12	2x4	16'	128
Siding Girts	2	2x4	12'	16
Beams	2	2x10	12'	40
Beams	7	2x8	12'	112
Girts	3	2x6	12'	36
Blocking (bevel split)	2	2x12	8'	32
Blocking	1	2x6	8'	8
Rub Rail	8	2x8	8'	86
Blocking	5	2x4	8'	27
Skirt Planks (preservative treated)	8	2x6 T&G	12'	96
Door Framing	4	2x6	10'	40
Door Framing	4	2x4	12'	32
Bulkhead	5	2x4	12'	40
Fascia	2	2x4	12'	16

POLES: Pressure treated, penta or creosote, (8 lb. per cubic foot)

Back Wall	3	6" top	14'
Partition	4	6" top	12'
Partition	2	6" top	16'
Partition	2	6" top	18'

HARDWARE: (Corrosion Resistant)

Door Track		Double	12'
Nails (ring shank)	15 lb.	20d	
	15 lb.	16d	
	5 lb.	10d	
	5 lb.	8d	
	10 lb.	6d	

End Wall				
Item and Use	Pieces	Size or Identification Index	Length	Sq. Ft.

PLYWOOD: (DFPA Grade-trademarked)

Siding; B-C, C-C (A-C EXT-DFPA)	12	3/8"	4' x 8'	384
Lining; STRUCTURAL I or II or STANDARD with exterior glue	8	48/24	4' x 8'	256

Item and Use	Pieces	Size	Length	FBM
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LUMBER: (Construction grade Douglas fir or No. 1 Southern pine)

Siding Girts	7	2x4	16'	75
Lining Girts	6	2x6	16'	96
Blocking	9	2x4	8'	48
Rub Rail	2	2x8	16'	43
Skirt Planks (preservative treated)	10	2x6 T&G	16'	160
Fascia	2	2x4	16'	22

POLES: Pressure treated, penta or creosote, (8 lb. per cubic foot)

End Wall	2	6" top	14'
	4	6" top	16'
	3	6" top	18'

HARDWARE: (Corrosion Resistant)

Nails (ring shank)	10 lb.	20d
	5 lb.	16d
	2 lb.	10d
	5 lb.	8d
	5 lb.	6d

For assured dependability always specify DFPA grade-trademarks of the American Plywood Association on the plywood you buy.

