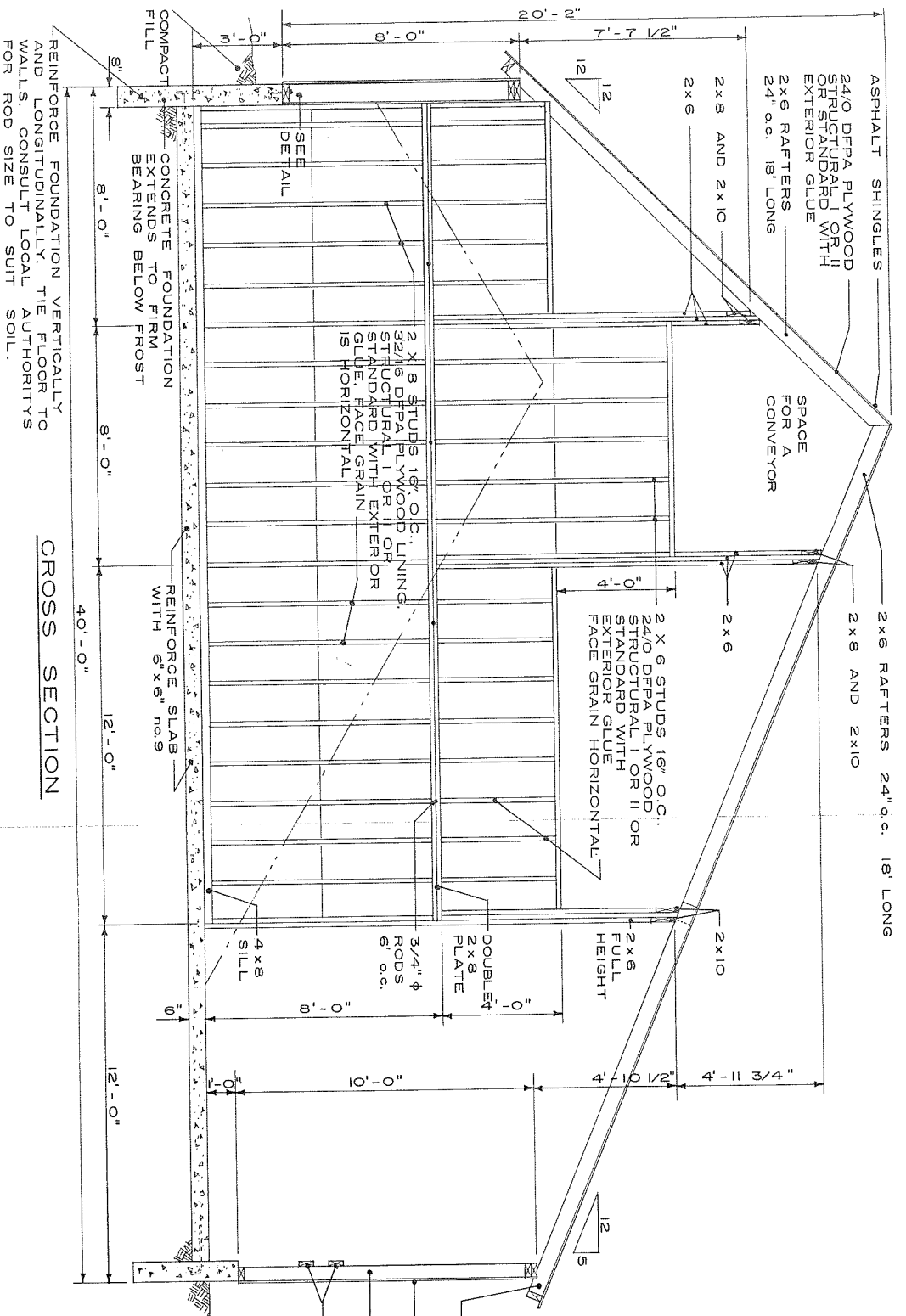
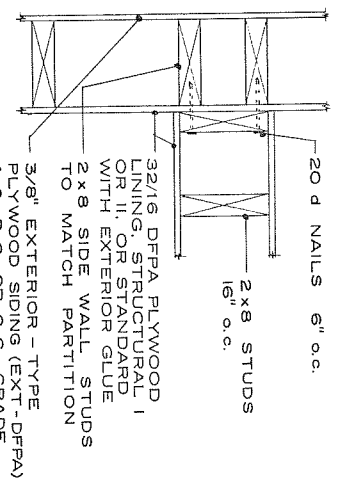


This 40' x 60' bulk fertilizer storage building has a capacity of about 365 tons of 65 PCF material. It is expandable in 12' bays.

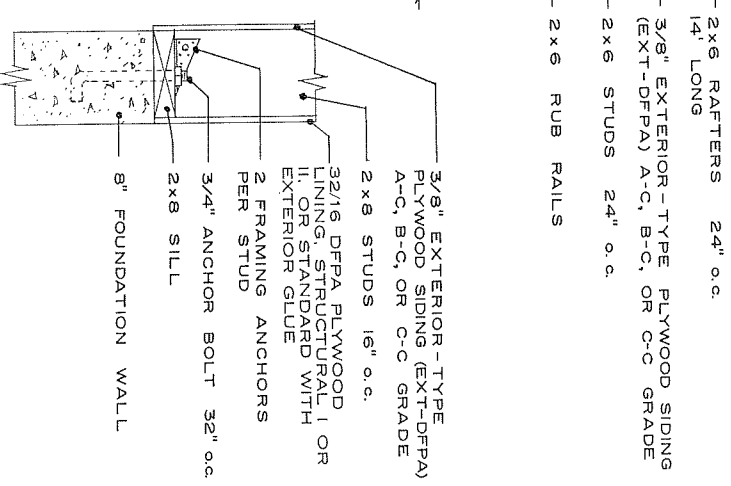
By altering the roof clearance over the work alley space may be gained to permit installing blending equipment. Changes should not be made in the partition design since they resist very large pressures.



**CROSS SECTION**

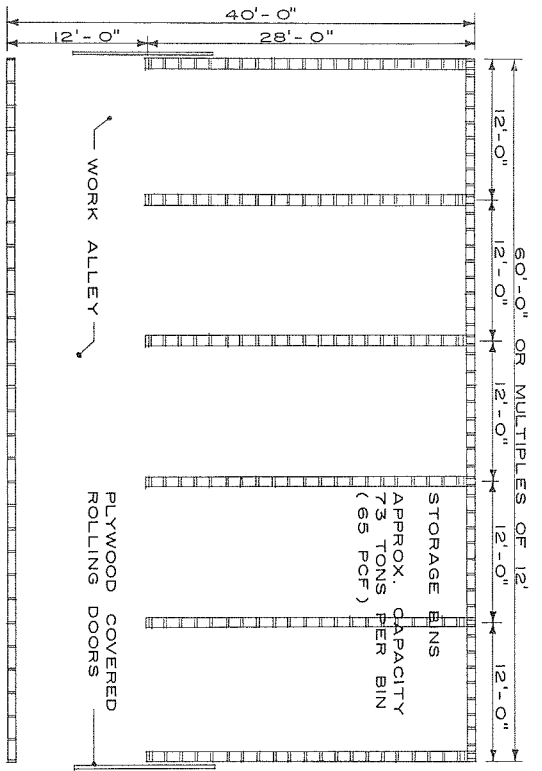


**PARTITION TO WALL CONNECTION**

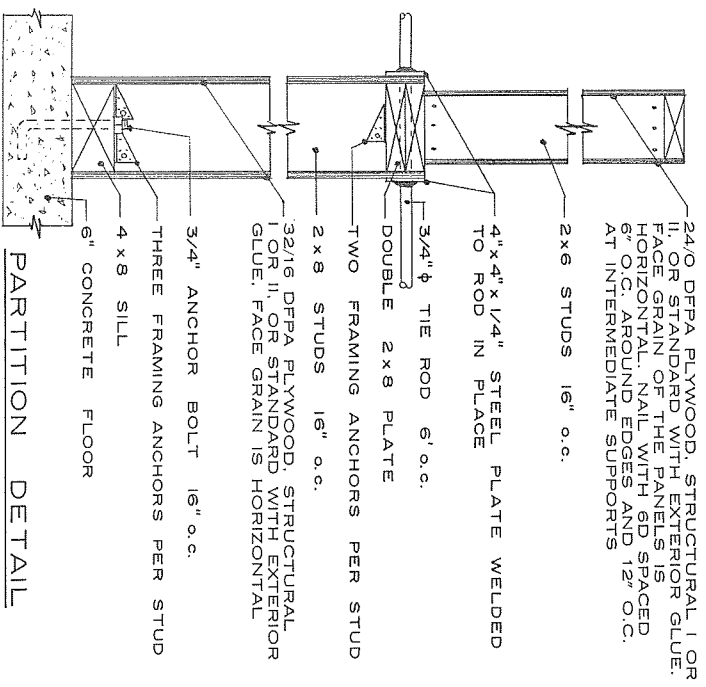


**SIDE WALL ANCHORAGE**

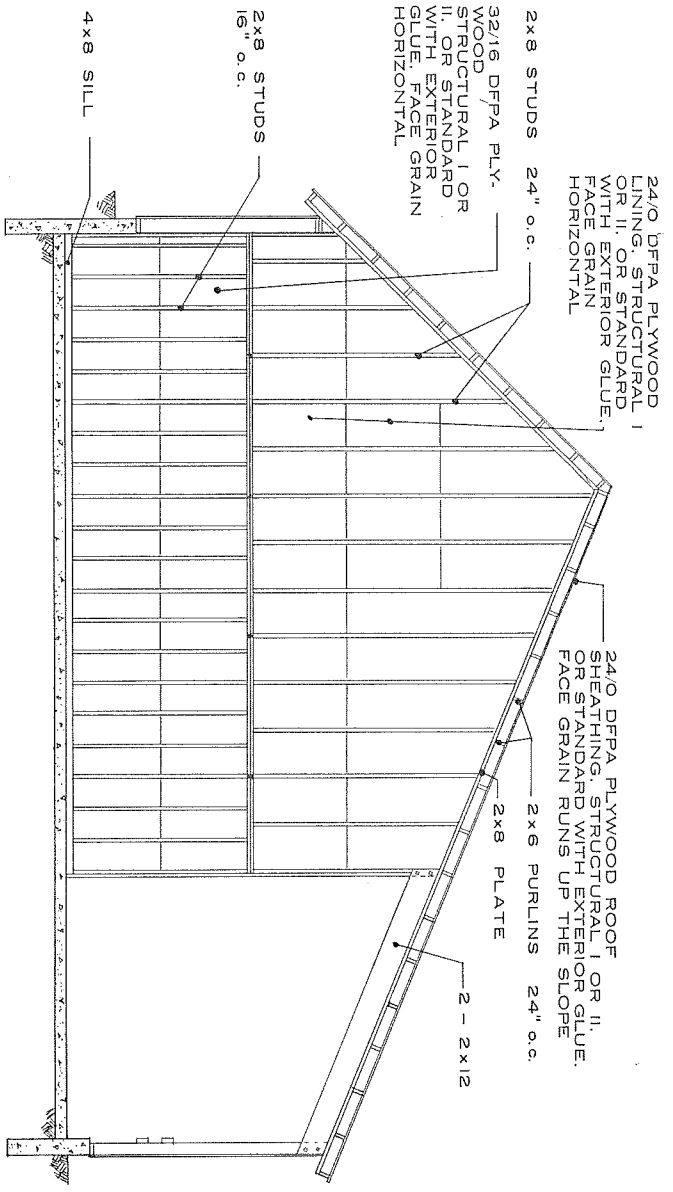
- NOTES:**
1. All plywood is DFPA grade trademarked. For siding use Exterior-type (EXT-DFPA) A-C, B-C, or C-C grade. For lining use STRUCTURAL I or II or STANDARD with exterior glue. The glue bond of this grade will withstand moisture conditions that are permitted in fertilizer storages. It is not a substitute for Exterior-type (EXT-DFPA) plywood and should not be used in farm service buildings.
  2. All lumber is Construction grade Douglas fir, No. 1 Southern pine or equivalent.
  3. Nail plywood with 6d nails (8d for thickness greater than 1/2") 6" o.c. at the panel edges, 12" o.c. at intermediate supports.
  4. All hardware is corrosion resistant.



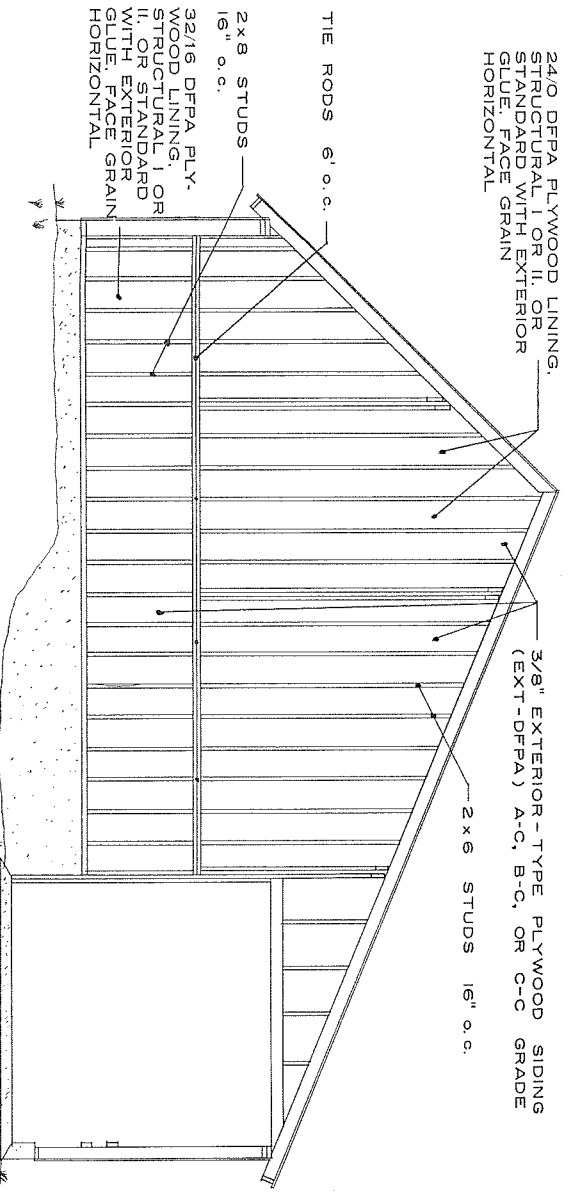
PLAN VIEW



PARTITION DETAIL



ALTERNATE PARTITION AND ROOF FRAMING



END WALL FRAMING

END WALL

ITEM AND USE	PIECES	SIZE	LENGTH	FBM
--------------	--------	------	--------	-----

LUMBER: Construction grade Douglas fir or No. 1 Southern pine.

Lower Studs	11	2 x 8	10'	146
Upper Studs	3	2 x 6	8'	24
	7	2 x 6	10'	70
	6	2 x 6	12'	72
	7	2 x 6	14'	98
	2	2 x 6	16'	32
Sill	2	4 x 8	14'	75
Plate	2	2 x 8	12'	32
	2	2 x 8	16'	43
Door Lintel	2	2 x 6	12'	24

PLYWOOD: (DFPA Grade-Trademarked)

Lining - STRUCTURAL or STANDARD with ext. glue	4½	24/0	4'x 8'	144
Siding - A-C, B-C or C-C EXT-DFPA	17	3/8"	4'x 8'	544
Door - A-C, B-C, or C-C EXT-DFPA	5	3/8"	4'x 8'	190

HARDWARE: (Corrosion resistant)

Framing Anchors	44			
Nails -	20#	6d		
	10#	20d		
Rolling Door Track			24'	
Anchor Bolts	12	3/4"	10"	

ITEM AND USE	PIECES	SIZE	LENGTH	FBM
--------------	--------	------	--------	-----

LUMBER: Construction grade Douglas fir or No. 1 Southern pine.

Lower Partition Studs	22	2 x 8	8'	234
Upper Partition Studs	16	2 x 6	8'	128
	5	2 x 6	12'	60
	2	4 x 8	14'	75
	2	2 x 8	12'	32
	2	2 x 8	16'	43
Sill	2	2 x 6	8'	16
	1	2 x 6	12'	12
	10	2 x 8	8'	106
Side Wall Studs	6	2 x 6	10'	60
	1	4 x 8	12'	32
Side Wall Sill	1	2 x 6	12'	12
	2	2 x 8	12'	32
Side Wall Plate	2	2 x 6	12'	24
	4	2 x 10	12'	80
Roof Beams	2	2 x 8	12'	24
	12	2 x 6	18'	216
Rafters	6	2 x 6	14'	84
	2	2 x 6	12'	24
Fascia	2	2 x 6	12'	24
Rub Rail	2	2 x 6	12'	24

PLYWOOD: (DFPA Grade-Trademarked)

Lining, Roof Sheathing - STRUCTURAL or STANDARD with exterior glue	17	32/16	4'x 8'	544
	27	24/0	4'x 8'	864
Siding - A-C, B-C or C-C EXT-DFPA	7½	3/8"	4'x 8'	240

HARDWARE: (Corrosion resistant)

Framing Anchors	142			
Nails	30#	6d		
	12#	20d		
Anchor Bolts	30	3/4"	10"	
Tie rods	4	3/4"	12"	
Plate Washers	8	4"x 4"	1/4"	

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

