Memo July 24, 1942 — J. J. Vitton
Concrete Estimate for Mill Building
<u>White Pine Mill Building Foundation</u>

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32'  A - B - Bays   17 + 2 Repair = 19 Bays @ 18' 8" = 355' 6"
50'  B - C - Bays   17 + 2 Repair = 19 Bays @ 18' 8" = 355' 6"
66'  C - D =  12 Bays @ 18' 8" =  224'
42'  D - E =   9 Bays @ 18' 8" =  168'
36'  E - F =   8 Bays @ 18' 8" =  149' 4"
36'  F - G =  10 Bays @ 18' 8" =  186' 8"
               3 Bays @ 20'  8" =   60'      ∴ 186' 8" + 60 = 246' 8"
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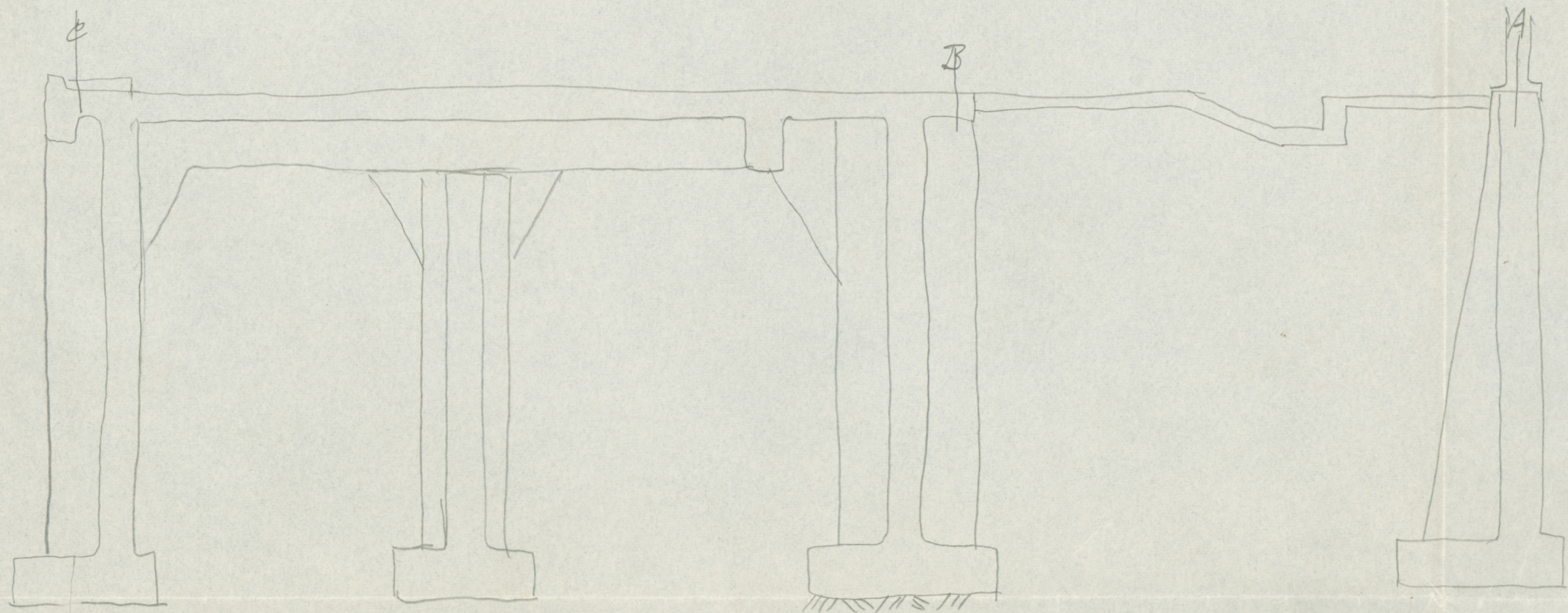|					
A	Vertical Wall	= 2' x 26' x 358' =	= 18,600 cu. ft. = 690 yds.)	
	Horizontal Slab	= 2' 6" x 9' x 358' =	= 8,050 cu. ft. = 298 yds.)	1,092 yds.
	Ribs 20 - 2	= 18' x 3' wide x 2' thick x 26' ht.	= 2,810 cu. ft. = 104 yds.)	
A - B	Floor 32'+ 2'	= 34' x .66' x 358'	= 8,030 cu. ft. = 297 yds.)	297
A - B	End Walls	= 3' thick x 28' hight x 34' length x 2	= 5,700 cu. ft. = 212 yds.)	212
B	Wall	= 2' thick x 25' high x 358' length	= 17,900 cu. ft. = 663 yds)	
B	Foot Slab	= 2' 6" thick x 11' wide x 358' length	= 9,820 cu. ft. = 364 yds.)	1,227
B	18 Ribs	= 3' wide x 2' thick x 25' high	= 2,700 cu. ft. = 100 yds.)	
B	18 Ribs	= 3' wide x 2' thick x 25' high	= 2,700 cu. ft. = 100 yds.)	
B - C	Center	= 2' thick x 21' 6" high x 358' length	= 15,400 cu. ft. = 572 yds.)	
B - C	Center	= 18' x 1' 6" thick x 2' wide x 21' 6" high	= 1,160 cu. ft. = 43 yds.)	926
B - C	Center	= 18' x 1' 6" thick x 2' wide x 21' 6" high	= 1,160 cu. ft. = 43 yds.)	
B - C	Foot Slab	= 2' 6" thick x 8' wide x 358' length	= 7,160 cu. ft. = 268 yds.)	
B - C	Hor. Ribs	= 18' x 3' 6" deep x 2' wide x 40' length	= 5,040 cu. ft. = 187 yds.)	
B - C	Hor. Ribs Trans.	= 2' wide x 3' deep x 352' x 2'	= 4,230 cu. ft. = 157 yds.)	344
B - C	Floor	= 1' 6" thick x 54' wide x 358' length	= 29,000 cu. ft. = 1,072 yds.)	1,072
B - C	End Walls	= 3' thick x 27' high x 50' length x 2'	= 8,100 cu. ft. = 300 yds.)	300
C	Wall	= 2' thick x 25' high x 352' length	= 17,600 cu. ft. = 652 yds.)	
C	Foot Slab	= 2' 6" high x 8' wide x 352' length	= 7,040 cu. ft. = 262 yds.)	1,014
C	Col. Ribs	= 18' x 2' thick x 3' deep x 25' high	= 2,700 cu. ft. = 100 yds.)	

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                                            TOTAL      6,484 yds.
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C - D End Walls	= 3' thick x 20' high x 66' length x 2'	= 7,920 cu. ft. = 293 yds.)		
C - D Floor	= .66' thick x 69' wide x 227' length	= 10,320 cu. ft. = 383 yds.)	676 yds.	
D Wall	= 2' thick x 16' high x 227' length	= 7,264 cu. ft. = 269 yds.)		
D Wall Ribs	= 2' thick x 2' wide x 16' high x 11'	= 704 cu. ft. = 26 yds.)	487	
D Foot Slab	= 2' 6" high x 9' wide x 230 length	= 5,180 cu. ft. = 192 yds.)		
D - E End Walls	= 2' 6" thick x 10' Av. Ht. x 42' length x 2	= 2,100 cu. ft. = 78 yds.)		
D - E Floor	= .66' thick x 42' wide x 170'	= 4,720 cu. ft. = 175 yds.)	253	
E Wall	= 1' 6" thick x 16' high x 173' length	= 4,150 cu. ft. = 154 yds.)		
E Wall Rib	= 1½' thick x 2' wide x 16' Av. ht. x 8'	= 384 cu. ft. = 14 yds.)	232	
E Foot Slab	= 2' thick x 5' wide x 173' length	= 1,730 cu. ft. = 64 yds.)		
E - F End Walls	= 2' thick x 36' wide x 25' high x 2'	= 3,600 cu. ft. = 133 yds.)		
E - F Interior Walls	= 2' thick x 122' length x 15' av. height	= 3,660 cu. ft. = 135 yds.)	268	
E - F Floor	= .66' thick x 36' wide x 150' length	= 3,570 cu. ft. = 132 yds.)	132	
F Wall	= 1' 6" thick x 8' av. ht. x 190'	= 2,280 cu. ft. = 84 yds.)	84	
F - G Floors	= .66' thick x 36' wide x 190' length	= 4,520 cu. ft. = 167 yds.)		
F - G End Wall	= 2' thick x 36' wide x 20' av. ht.	= 1,440 cu. ft. = 54 yds.)	221	
F - G End Side Wall	= 2' thick x 190' length x 14' ht.	= 5,300 cu. ft. = 196 yds.)		
F - G End Side Wall Footing	= 2' thick x 6' wide x 190' length	= 2,280 cu. ft. = 84 yds.)	280	

TOTAL	2,633
TOTAL SHEET NO. 1	6,484
GRAND TOTAL	9,117

Mineral Bin Walls and Floor Not Included Above

Mill Bins Walls and Floor

Walls	264' lineal feet x 2' thick x 20' ht.	= 10,560 cu. ft. =	390 yds.
Floor	.66' x 36' wide x 60' length	= 1,430 cu. ft. =	53 yds.
			443 yds.

Adams Township, MI

C

B

A

1092
509
1227
2642
1014
6,484 yds. Total
to "C" Incl.

1014 yds.

926 yds. wall
244 yds. Horiz Beams
1,072 yds. Floor
300 yds. End walls
2642 yds

1227 yds

Floor = 297 yds
2 Walls = 212 yds
509 yd.

1092 yds