

ESTIMATE FOR BIDDING PURPOSES
INCLUDING AN ESTIMATE OF THE
CONSTRUCTION COST OF THE
GLADWIN COUNTY COURTHOUSE

Thesis for the Degree of B. S.
MICHIGAN STATE COLLEGE
Emmons C. Engelhardt
1941

Estimate for Bidding Purposes
Including
An Estimate of the Construction Cost
of
The Gladwin County Courthouse

A Thesis Submitted to

The Faculty of
MICHIGAN STATE COLLEGE
of
AGRICULTURE AND APPLIED SCIENCE

by

Emmons C. Engelhardt

Candidate for the Degree of

Bachelor of Science

March 1941

TABLE

Copy

FOR SUBMITTING TO THE
COMMISSIONER OF THE
REVENUE DEPARTMENT
IN THE MONTH OF
JANUARY 1900

The
for the
is prop
the th
the th
In
of esti
ut of
Th
estimat
unit
this o
total
comput
labor,
estima
T
author
I
pared
years
year
consi
note,
nal e

INTRODUCTION

The purpose of this thesis is to submit an estimate for the cost of construction of the afore stated project as prepared by the author, and to compare this estimate with that of the successful bidder, and also a comparison with the actual cost.

In this thesis it is desired to show the fundamentals of estimating and to prepare an estimate by the carrying out of the fundamentals.

There are two general methods used in preparing an estimate; one is to summarize all of the costs involved in a unit quantity, and to multiply the number of units by this cost. The other method is to calculate the cost by total quantities, the quantity of each class of work is computed as before, but the cost amounts for materials, for labor, and for equipment are kept separate throughout the estimate.

The first or unit quantity method was used by the author, as the same was used by the successful bidder.

It should be noted that the original estimate, as prepared by the successful bidder was prepared at a time two years previous to the author's estimate. During this two year period, cost of labor and materials have advanced considerably. Therefore, in the preparation of this estimate, cost were computed on the same basis as of the original estimate and not of the costs at the present time.

The

of such

with the

of water

At

the cost

success

and a

the cost

On

pared to

by the

costs of

fore, in

side to

estimate

At

and the

entire

comput

rates.

The cost of materials was obtained from the Companies or subcontractors which were awarded the contracts. Labor costs were then computed by adding a percentage to the cost of materials, arriving at unit cost for labor and materials.

An example of this would be in the case of stonework; the cost of the stone per cubic foot was obtained from the successful bidder--The Detroit Cut Stone Co., to this was added a percentage of the cost of the stone--estimated as the cost required to lay the stone.

On the following pages can be found an estimate prepared by the author. Also included is an estimate prepared by the successful bidder, along with some of the actual costs involved in the construction of the project. Therefore, in the forthcoming pages, a general comparison can be made between the author's estimate--the successful bidder's estimate--and the actual cost.

Any differences in the successful bidder's estimate and the author's estimate may be considered to be almost entirely due to a variation in the quantities of material computed, as the same unit prices were used in both estimates.

GLADWIN COUNTY COURTHOUSE

GENERAL CONDITIONS

Water, Light & Power	\$	50.00	
Temporary Heat		500.00	
Protecting of Trees		25.00	
Survey of Bldg. & Grounds		50.00	
Barricades & Protection		100.00	
Temporary Buildings (24' x 10')			
28 pcs. 2x6" - 10' - 280 bd.ft.			
42 " 2x4" - 6' - 168 " "			
24 Ft. 1x6" - 10' - 120 " "			
68 " 1x6" - 6' - 204 " "			
		772 " " @ \$80./M	61.76
Work Table & racks-----		5.00	
Building paper-----		9.00	
Two doors & Windows-----		10.00	
Cement Shed-----		100.00	
Telephone		75.00	
Sanitary Convenience		50.00	
Watchman - 10 weeks @ \$15. per week--		150.00	
Washing Windows		75.00	
Test Borings		50.00	
Rough Grading-- 75 yds. @ 50¢		37.50	
Removing black soil--150 yds. @ 50¢		75.00	
Concrete Cylinder Tests		50.00	
Removing Present Entrance		200.00	
Trees to be removed -- .9 @ \$5.		45.00	<u>1,718.26</u>

Page 1

GENERAL

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

NO X 5

Brought Forward-----\$ 1,718.26

GENERAL EXCAVATING

150' x 80' x 9" - 333 cu.yds.@ 30¢ - \$ 99.90

Main Building:

48' x 114' x 7'6" - 39,330'

22' x 12' x 7' - 1,850'

18' x 16' x 7'6" - 3,170'

22' x 20' x 1' - 440'

46,950 cu.ft.

1,735 cu.yds. @ 50¢ - 867.50

(Areaways included in above)

Excavating - footings:

112'6" x 3'6" x 1' - 394'

38' x 3'6" x 1' - 133'

80'6" x 3'6" x 1' - 282'

20' x 3'6" x 1' - 70'

50' x 2' x 1' - 100'

30' x 2' x 1' - 60'

36' x 2' x 1' - 72'

44' x 2' x 1' - 88'

20' x 1'6" x 1' - 30'

60' x 2' x 1' - 120'

1,349 cu.ft.

50 cu.yds. @ \$2. - 100.00

Excavating - piers:

2 - 7' x 7' x 1'4" - 112'

2 - 6' x 6' x 1'3" - 90'

2 - 6'6" x 6'6" x 1'4" - 113'

1 - 7' x 7' x 1'4" - 112'

427 cu.ft.

16 cu.yds. @ \$2. - 32.00

Excavating - septic tank:

20' x 10' x 10' - 2,000'

74 cu.yds. @ \$1.75 - 129.50

BACKFILLING

Gravel over drain tile:

388' x 2' x 2' - 2,752'

102 cu.yds. @ \$2. - 204.00

Carried Forward ----- 3,151.16

Brought Forward -----\$ 3,151.16

WALLS

388' x 2' x 7' - 5,432'
200 cu. yds. @ 75¢ ---- 150.00

ROUGH GRADING

388' x 20' x 6" - 3,880'
144 cu. yds. @ 75¢ ---- 108.00

FIELD TILE DRAINS - 4"

800 Lineal ft. @ 25¢ ---- 200.00

STEEL JOISTS

20 pcs. 102-16 O.L. 17'8"
24 " 102-15 O.L. 16'8"
90 " 102-13 O.L. 14'8"
10 " 81-11 O.L. 12'8"
2 Headers O.L. 2'6"
1 Header O.L. 3'4"

Weight ----- 8,936#

Top Lath - 2"

4 cold rolled O.L. 12'
10 " " O.L. 11'6"
12 " " O.L. 10'
30 " " O.L. 9'4"
4 " " O.L. 9'

Weight ----- 445#
Total Weight----- 9,381#-480.00
Labor----- 50.00

CONCRETE FOOTINGS

112'6" x 3'6" x 1' - 394'
38' x 3'6" x 1' - 133'
86' x 3'6" x 1' - 282'
20' x 3'6" x 1' - 70'
50' x 2' x 1' - 100'
30' x 2' x 1' - 60'
36' x 2' x 1' - 72'
44' x 2' x 1' - 88'
20' x 1'6" x 1' - 30'
60' x 2' x 1' - 120'
1,349' @ 40¢ 539.60

Carried Forward----- 4,678.76

8700

8700

21

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

8700

Brought Forward -----\$ 4,678.76

CONCRETE PIERS

6'	x 6'	x 1'4"	- 47'	
2'2"	x 2'2"	x 1'	- 5'	
5'	x 5'	x 1'3"	- 31'	
2'2"	x 2'2"	x 1'	- 5'	
5'6"	x 5'6"	x 1'4"	- 39'	
2'2"	x 2'2"	x 1'	- 5'	
			<u>132'</u>	@ 40¢ 52.80

CONCRETE WALLS - Fuel Room

48'	x 1'	x 7'6"	- 345'
46'	x 1'	x 8'	- 368'
52'	x 1'	x 8'6"	- 452'
22'	x 1'6"	x 1'	- 33'
18'	x 1'	x 3'	- 54'
58'	x 8"	x 5'	- 194'
38'	x 1'	x 8'	- 248'
11'	x 8"	x 5'	- 56'
118'	x 8"	x 5'	- <u>394'</u>
			2,124' @ 50¢ 1,012.00

CONC. WALLS - Front

42'	x 11'6"	x 1'6"	- 725'
31'	x 11'6"	x 1'6"	- 525'

CONC. WALLS - Sides

42'	x 11'6"	x 1'6"	- 725'
42'	x 11'6"	x 1'6"	- 725'

CONC. WALLS - Back

53'	x 11'6"	x 1'6"	- 1,018'
38'	x 11'6"	x 1'6"	- <u>666'</u>
			4,394' @ 50¢ 2,197.00

CONCRETE FLOORS - Basement

4"	- 68' x 2'	- 216 sq. ft.	
		@ 25¢	54.00

5"	- 38'x108'	- 4,104 sq.ft.	
"	- 17'x 12'	- <u>204 " "</u>	
		4,308 " " @ 18¢	<u>775.44</u>

Carried Forward----- 8,770.00

FROM:

CONCERN:

2" -

" -

INTER:

1 1/2 -

4" -

5" -

6" -

7" -

8" -

350

Labo

CONCERN:

10'

12'

14'

6'

SIDE

700

DOOR

65

CONCERN:

6 -

CONCERN:

14"

14"

14"

14"

14"

Car

Brought Forward-----\$ 8,770.00

CONCRETE FLOORS - Bsmt.Cont'

6" - 20' x 16' - 320 sq.ft.
 " p 5' x 14' - 70 " "
 390 " " @ 20¢ 78.00

INTEGRAL WATERPROOFING

1½ gal's./ cu. yd. conc.

4" - 216 sq. ft.- 72 cu.ft.
 5"-4,308 " " - 2,154 cu.ft.
 6" - 390 " " - 145 " "
 Walls ----- 4,394 " "
 " ----- 2,124 " "
 8,889 " "
 330 cu.yds.
 330 x 1½ - 495 gal's @ \$1. 495.00
 Labor " " @ 10¢ 49.50

CONCRETE STAIRS

10' x 10' - 100'
 13' x 3'6" - 46'
 14' x 5' - 70'
 8' x 6' - 48'
 264 sq.ft. @ 60¢ 158.40

SIDEWALK

700 sq. ft. @ 30¢ 210.00

DOOR BUCKS

65 @ \$4. 260.00

CONCRETE COL'S.-Basement

6 - 14" x 114" x 10'
 84 cu. ft. @ 50¢ 42.00

CONCRETE BEAMS - First Floor

14" x 26" x 18' - 45'
 14" x 22" x 12' - 24'
 14" x 22" x 13' - 26'
 14" x 22" x 19' - 38'
 14" x 22" x 13' - 26'

Carried Forward-----\$10,062.90

BRIDGE

CUNEIFORM

14" x

14" x

14" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

16" x

Brought Forward-----\$10,062.90

CONCRETE BEAMS - First Floor Cont'.

14" x 22" x 12' -	24'	
14" x 26" x 18' -	45'	
14" x 18" x 16' -	54'	
12" x 12" x 20' -	20'	
12" x 12" x 19' -	19'	
12" x 12" x 19' -	19'	
12" x 12" x 19' -	19'	
12" x 12" x 19' -	19'	
12" x 12" x 18' -	18'	
12" x 12" x 18' -	18'	
12" x 12" x 18' -	18'	
12" x 12" x 18' -	18'	
12" x 12" x 18' -	18'	
12" x 12" x 18' -	18'	
12" x 12" x 18' -	18'	
12" x 12" x 18' -	18'	
12" x 14" x 7' -	8'	
12" x 14" x 12' -	15'	
12" x 14" x 12' -	15'	
12" x 16" x 10' -	13'	
8" x 12" x 18' -	48'	
12" x 18" x 10' -	<u>15'</u>	
637 cu.ft. @ 50¢		318.50

GROUNDS

3,000	@ 06¢	180.00
-------	-------	--------

SLABS - 1st.Floor

Pan Construction
5" x 10"

2" - 15'6" x 39' -	605'	
75' x 37' -	2,775'	
15'6" x 39' -	<u>605'</u>	
3,985 sq.ft. @ 40¢		1,594.00
6" - 18' x 18' -	324 " "	@ 35¢ 113.40
5" - 18' x 14' -	252'	
19' x 10' -	<u>190'</u>	
442 " "		@ 30¢ 132.60

CONCRETE SLABS - Vaults - 6"

13'3" x 11' -	146'	
8'6" x 11' -	94'	
13' x 16' -	<u>208'</u>	
448 sq. ft. @ 45¢		201.60

Carried Forward-----\$12,603.00

BRIDGE

BRIDGE

1 - 14

BRIDGE

14' X

14' X

BRIDGE

P

14' X

14' X

14' X

BRIDGE

14' X

14' X

14' X

14' X

14' X

14' X

14' X

BRIDGE

14' X

BRIDGE

14' X

BRIDGE

8' X

8' X

8' X

8' X

BRIDGE

72' X

82' X

Brought Forward-----\$12,603.00

COLUMNS - 1st. Floor

6 - 14" x 14" x 10' - 84 cu.ft.
@ 50¢ 42.00

CONCRETE BEAMS - 2nd. Floor

14" x 22" x 105' - 210'
16" x 20" x 15' - 33'
243 cu.ft.
@ 50¢ 121.50

CONCRETE SLABS - 2nd. Floor
Pan Construction 2"

16' x 39' - 624'
16' x 39' - 624'
76' x 37' - 2,812'
4,060 sq.ft. @ 40¢ 1,624.00

CONCRETE JOISTS - 2nd. Floor

12" x 10" x 7'6" - 18'
12" x 10" x 18' - 87'
18" x 10" x 8' - 20'
12" x 10" x 18' - 58'
10" x 10" x 4'6" - 12'
10" x 10" x 39' - 100'
295 cu.ft.
@ 50¢ 147.50

SOLID SLAB - 2nd. Floor

10" 14' x 10' - 140' @ 60¢ 84.00

SLAB - 2nd. Floor (above)
Mezzanine

12' x 8' - 96' @ 40¢ 38.40

CONCRETE SLAB - Roof

2" 16' x 39' - 624'
2" 76' x 37' - 2,812'
2" 16' x 39' - 624'
2" 12' x 14' - 168'
4,228 sq.ft.
@ 10¢ 422.80

CONCRETE GUTTER - Rear Wall

72' x 1'6" x 10" - 87 cu.ft. @ 60¢ 43.50

Carried Forward-----\$15,125.70

Brought Forward-----\$15,125.70

CONCRETE SEPTIC TANK

Walls 44'8" x 8" x 8' -240'
 15' x 6" x 6' - 45'
 15' x 6" x 7'4" 55'
340

cu. ft. @ 60¢ 204.00

WOODEN BAFFLE----- 5.00

CEMENT FINISH - Basement 1½"

4' X 3' - 12'
 35' X 12' - 420'
 11' x 6' - 66'
 11' x 9' - 99'
 18' x 10' - 180'
 6'6" x 9' - 59'
 11' x 11' - 121'
 11' x 6' - 66'
 18'6" x 3'3" - 60'
 37' x 18'6" - 685'
 9' x 8' - 72'
 10' x 14'6" - 145'
 6' x 8' - 48'
 15' x 19' - 285'
 12' x 9' - 108'
 12' x 99' - 108'
 3' x 4' - 12'
 29' x 10' - 290'
 24' x 8'6" - 204'
 10' x 15' - 150'
 5'6" x 2' - 11'
 16'6" x 13' - 215'
 15'6" x 10' - 155'
 51' x 9' - 459'
 3' x 3'6" - 11'
 11' x 8' - 88'
 12' x 13' - 156'
 18'6" x 6' - 111'
 16' x 14' - 224'

4,620 sq.ft. @ 10¢ 462.00

CEMENT FINISH - First Floor 1½"

6' x 4'6" - 27'
 11' x 10'6" - 115'
 5' x 2' - 10'

Carried Forward-----\$15,796.70

Brough

Cont'l.

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

Brought Forward-----\$15,796.70

Cont'.

13'	x	11'	-	143'	
10'	x	12'6"	-	125'	
32'	x	9'	-	288'	
24'	x	9'	-	216'	
5'	x	2'	-	10'	
5'	x	5'	-	25'	
12'	x	20'	-	240'	
4'	x	5'	-	20'	
16'6"	x	11'	-	182'	
3'	x	3'	-	9'	
28'	x	58'	-	1,624'	
12'	x	7'6"	-	90'	
13'	x	12'	-	156'	
13'	x	18'	-	234'	
13'	x	12'	-	156'	
11'	x	13'	-	143'	
				3,813 sq.ft. @ 10¢	381.30

CEMENT BASE

3" 163'	@ 18¢	29.34
6" 20'	@ 30¢	6.00

FACE BRICK at \$24.00 Per M.

Front: 18'3" x 28'9" - 325'

1'3/4" x 29'6" - 32'

73' x 28'9" - 2,154'

18'3" x 28'9" - 525'

1'3/4" x 29'6" - 32'

3,268'

Less Openings - 976'

2,292' x 7 - 16,044 @ \$54./M. 866.38

Rear: 18'3" x 28'9" - 525'

1'3/4" x 26'6" - 27'

72'6" x 30'9" - 2,233'

14'3" x 28'9" - 410'

1'6" x 73' - 110'

3,305'

Less Openings - 702'

2,603' x 7 - 18,221 + 1500 @ \$54./M. 1,070.33

Sides: 42' x 28'9" - 1,207'

14' x 24'6" - 343'

42' x 28'9" - 1,207'

14' x 24'6" - 343'

3,100'

Less Openings - 558'

2,642' x 7 - 17,794 @ \$54./M. 960.88

Carried Forward-----\$19,110.93

Brought Forward-----\$19,110.93

FACE BRICK - Chimney 4"

42' x 4' - 168'
 31'6" x 2'9" - 88'
 31'6" x 2'9" - 88'
 15' x 4'3" - 64'
 15' x 4'3" - 64'
 16' x 4'3" - 68'

PARAPET

2'6" x 74' - 185'
 2'6" x 148' - 370'
 1' x 28' - 28'

1,123' x 7
 7,861 @ \$54./M - 424.50

BRICKTILE WAINSCOTE - 5" x 8"

27' x 5' - 135'
 185' x 5' - 925'
 32' x 9' - 288'
 24' x 10' - 240'
 84' x 4'6" - 378'
 43'6" x 5' - 218'

2,184'

2,184' x 3-2/3 - 8,008
 @ \$190./M.- 1,521.52
 Caps - 510 @ \$500./M.- 255.00
 Base - 65 @ \$500./M.- 32.50

SALT GLAZED TILE

130' x 5' - 650'
 650' x 3-2/3 - 2,387
 @ \$150./M.- 358.05
 130' - Base 195 pcs.
 @ \$500./M.- 97.50
 130' - Cap Black 195 pcs.
 @ \$500./M.- 97.50

COVE BASE

188' - 282 pcs. @ \$500./M- 141.00
 404' - 606 " " " 330.00

CAP

92' x 5' - 460'
 92' Cap
 1,683 pcs. @ \$200./M.- 336.60
 Cap - 142 " " 500./M.- 71.00

Carried Forward-----\$22,776.10

Bought

UNDER 1

4" 630'

+

4" 621'

+

4" 721'

+

8" 541'

+

8" 541'

+

8" 531'

+

8" 571'

+

8" 871'

+

8" 741'

+

8" 131'

+

8" 111'

+

8" 431'

+

8" 131'

+

4" 2301'

+

8" 6301'

+

UNDER 1

8" x 141'

Carried

Brought Forward-----\$22,770.10

CINDER BLOCK

4" 238' x 5' -	1,190	
+ 1/9 -	<u>1130</u>	
	1,320 @ 24¢	316.80
4" 21' x 5' -	105	
+ 1/9 -	<u>12</u>	
	117 @ 20¢	23.40
4" 73' x 5' -	365	
+ 1/9 -	<u>36</u>	
	411 @ 20¢	82.20
6" 54' x 5' -	270	
+ 1/9 -	<u>30</u>	
	300 @ 24¢	72.00
2" 54' x 5' -	270	
+ 1/9 -	<u>30</u>	
	300 @ 18¢	54.00
2" 58' x 10' -	570	
+ 1/9 -	<u>60</u>	
	630 @ 18¢	113.40
6" 57' x 10' -	570	
+ 1/9 -	<u>60</u>	
	630 @ 24¢	151.20
2" 86' x 10' -	860	
+ 1/9 -	<u>90</u>	
	950 @ 18¢	171.00
6" 74' x 10' -	740	
+ 1/9 -	<u>82</u>	
	822 @ 24¢	197.28
2" 18' x 10' -	180	
+ 1/9 -	<u>20</u>	
	200 @ 18¢	36.00
6" 24' x 10' -	240	
+ 1/9 -	<u>30</u>	
	270 @ 24¢	64.80
2" 48' x 5' -	240	
+ 1/9 -	<u>30</u>	
	270 @ 18¢	48.60
2" 16' x 5' -	80	
+ 1/9 -	<u>9</u>	
	89 @ 18¢	16.02
4" 230' x 5' -	1,150	
+ 1/9 -	<u>130</u>	
	1,280 @ 20¢	256.00
2" 230' x 5' -	1,150	
+ 1/9 -	<u>130</u>	
	1,280 @ 18¢	230.80

CINDER BLOCK LINTELS

8" x 12" x 200' @ 50¢ 100.00

Carried Forward-----\$24,709.60

Bought

BILLON 1

12" 148

4" 148

4" 168

8" 18

12" 58

8" 64

12" 80

WELON 1

588 s

1,800 s

1,700 s

BILLON 2

12" x

12" 308

less 20

4,486 p

Inside 1

4" 337

8" 57

12" 44

Fire Br

807 sp.

True Li

24" x 2

He too

Temp Co

12" x

12" x

80" x

FINISH 1

882'2"

Carried

Brought Forward-----\$24,709.60

HOLLOW TILE - 1st. Floor

12"	142'	x	8'	-	1,136'	@	\$240.	272.64
4"	142'	x	3'	-	426'	@	120.	51.12
4"	168'	x	11'	-	1,848'	@	120.	221.76
6"	12'	x	11'	-	132'	@	148.	19.53
12"	38'	x	11'	-	418'	@	240.	100.32
8"	64'	x	11'	-	704'	@	174.	122.50
12"	30'	x	10'	-	300'	@	202.	60.60

COMMON BRICK - Parapet

583	sq.ft.	x	7'	-	4,081			
1,200	sq.ft.	x	7'	-	8,400			
1,700	sq.ft.	x	7'	-	<u>11,900</u>			
					24,381	@	42.	1,024.00

HOLLOW TILE - 2nd. Floor

12"	x	8"	x	12"				
12"	302'	x	18'	-	5,436'			
Less	20x50			-	<u>1,000</u>			
					4,436	pcs.		
4,436	pcs.	@	\$195.				-	863.02

Inside Partition:

4"	337'	x	15'	-	5,055'	@	120.	606.50
6"	57'	x	15'	-	855'	@	148.	126.54
12"	44'	x	10'	-	440'	@	193.	84.92

Fire Brick - Chimney:

207	sq. ft.	x	7	-	1,449	@	100.	144.90
-----	---------	---	---	---	-------	---	------	--------

Flue Lining:

24"	x	24"	-	60'		@	\$2.50	150.00
-----	---	-----	---	-----	--	---	--------	--------

Tie	too	Anchors						333.00
-----	-----	---------	--	--	--	--	--	--------

Damp Course:

110'	x	10'	-	1,100	sq.ft.			
110'	x	10'	-	1,100	" "			
80'	x	10'	-	<u>800</u>	" "			
				3,000	" "	@	8¢	240.00

FINISH STONE

226'2"	x	1'6½"	x	4"	-	116.2		
--------	---	-------	---	----	---	-------	--	--

Carried Forward-----\$29,130.95

Brought Forward ----- \$29,130.95

Cont'. (Finish Stone)

218'6" x 2'6 $\frac{1}{4}$ " x 4" - 183.7
 235' x 2' x 8" - 319
 6' x 2'6 $\frac{1}{4}$ " x 8" - 10
 7'8" x 2'6 $\frac{1}{4}$ " x 4" - 6.5

Buttresses:

8'6" x 1'6 $\frac{1}{2}$ " x 8" - 17.5
 3' x 1'6 $\frac{1}{2}$ " x 4" - 3.1
 1'2" x 6" x 8" - .9
 7'10" x 2'6 $\frac{1}{4}$ " x 4" - 13.2
 4'6" x 2'6 $\frac{1}{4}$ " x 4" - 7.6
 3'6" x 2'6 $\frac{1}{4}$ " x 4" - 5.10
 8'4" x 1' x 4'4" - 72.20

Main Entrance:

8" x 10" - 1 $\frac{1}{2}$ " x 4 - 4.6
 6" x 10" - 1 $\frac{1}{2}$ " x 4 - 3.4

Carved Panel Over Entr.

7'10" x 5' x 4" - 13

Front Elevation:

7'10" x 1'11 $\frac{1}{2}$ " x 9" - 56.10
 4' 6" x 1'11 $\frac{1}{2}$ " x 9" -
 7'10" x 6' x 6 $\frac{1}{2}$ " - 13.
 4' 6" x 6' x 6 $\frac{1}{2}$ " -
 2' 6" x 1'11 $\frac{1}{2}$ " x 9" - 8.50
 4' 6" x 1'11 $\frac{1}{2}$ " x 9" - 60.
 1' 8" x 2'3" x 6" -
 1' 8" x 2'3" x 6" - 35.70
 1' 8" x 2'3" x 6" -

Name Panels:

8' x 2'6" x 6" -
 7' x 2'6" x 6" -
 6'6" x 2'6" x 6" - 36.10
 8' x 2'6" x 6" -

Ashlar:

2'6" x 1'3" x 4" - 4.2

Carried Forward ----- \$29,130.95

Brought Forward-----\$ 29,130.95

Carved Panel Over Win-
dow:

2'6" x 1'9" x 5" - 7.3
4'6" x 6" x 6 $\frac{1}{2}$ " -
2'6" x 6" x 6 $\frac{1}{2}$ " - 10.1

Rear Elevation:

8'4" x 6" x 6 $\frac{1}{2}$ " - 20

Coping:

16'6" x 8" x 1'2 $\frac{1}{4}$ " - 26.2
76' x 1'6" x 4" - 38
32' x 2' x 1'1 $\frac{1}{4}$ " - 70.7
44' x 1' x 1'1 $\frac{1}{4}$ " - 48.7
161' x 1'2" x 4" - 62.7
161' x 1' x 1'1 $\frac{1}{4}$ " - 177.9

Chimney Reducers:

1' x 1'4" x 1' - 2.8
2'2" x 1'4" x 4" - 3.1
2'4" x 1'4" x 4" -
3'5 $\frac{1}{2}$ " x 1' x 1'1" - 7.6
2'9" x 1' x 1'1" - 5.11

1,472. cu.ft.

of Stone @ \$2.50 - \$3,680.00
Labor 35% 1,313.53

GRANITE.

10'7" x 6" x 1'9" - 9'3"
10'7" x 6" x 1'3" - 6'7"
10'7" x 6" x 1' - 5'3"
2'6" x 6" x 1'5" - 3'6"
10'7" x 6" x 1'4" - 50'0"
32'8" x 6" x 1'4" -
6'6" x 6" x 8" - 2'2"
76'9"

76.9 cu.ft. of Granite @ 50¢ 384.50
Labor 35% 134.58

STEEL & IRON - Bsmt. Floor Plan
Fuel Room Door Frames:

4 4" x 4" x 5/16" x 7'1" - 232#
2 " " " " " 4'8" - 78#

Carried Forward-----\$34,643.56

Brought Forward-----\$ 34,643.56

Cont'. (Steel & Iron-Bsmt.)

2 3/16" x 18" Jambs 7' - 168#
 1 " " " Header 4' - 48#
 18 Lin.Ft. 3/4" x 1 1/4" Strap 60#
 12 2 1/2" x 2" x 1/4" L Chips 72#

Areaway Entrance - Door
 Frames:

4 6" /s 10.5# Jambs 7'3" - 304#
 2 6" /s " Heads 3'4" - 70#
 34 Lin.Ft. 5/8" x 1 1/4" Strap 102#
 9 4" x 4" x 1/4" /s 5'6" - 327#
 4 " " " " 4' - 108#
 5 " " " " 3'6" - 115#
 4 " " " " 8'10" - 232#
 1 3" x 2 1/2" x 1/4" /s 10'6" - 47#
 75 1/4" x 2" 1' - 150#

Louvres:

2 5" x 3 1/2" x 5/16" /s -5' - 88#
 2 3 1/2" x 3" x " " - 66#
 2 4" x 4" x " " -4'6" - 74#
 2 3" x 2 1/2" x 1/4" " -4'6" - 42#
 12 1/4" x 2" Anchors Welded - 24#
 1 5" x 3 1/2" x 5/16" /s -4'8" - 41#
 1 4" x 3" x 5/16" " -4'8" - 34#
 4 4" x 3" x 1/4" " -4'6" - 104#
 2,586#

2,586# @ 6¢ - 155.16

Second Floor Framing Plan
 Plan:

2 5" /s 6.7# - 7' - 94#
 2 5" " " - 3' - 40#
 4 5" x 5" x 3/8" L Clips 3" - 12#
 2 3" x 3" x 1/4" /s Anchors 2' - 20#
 1 8" I 18.4# & 1/4" x 12" pl.
 7'8" - 224#
 16 4" x 3" x 1/4" /s 5'6" - 512#
 8 " " " " 3'6" - 168#
 9 5" x 3 1/2" x 5/16" /s 8'10" - 693#
 3 7" I 15.3# 8'10" - 405#
 3 5" x 3 1/2" x 5/16" /s 6'10" - 180#
 1 7" I 15.3# 6'10" - 105#
 8 5" x 3 1/2" x 5/16" /s 8'10" - 616#

Carried Forward-----\$ 34,798.72

Brought Forward-----\$34,798.72

Cont'. (Steel & Iron-
2nd. Floor)

20 5"x3½"x5/16"	8'10"	-1,540#	
30 4"x3"x1/4"	4' 6"	- 780#	
10 4"x3"x1/4"	4'	- 232#	
4 " " "	4' 6"	- 104#	
20 " " "	4'	- 484#	
I.B. 22,542#	+	6,089#	\$1,723.86

Cat Walk in Attic:

24" wide x 10' lg.	- 150#	
Hangers from roof	- 200#	
2 ½"x1½" Iron straps	22#	
	377# @ 6¢	22.62
Labor 10%		190.17

STEEL WINDOWS

2 - 4' 6" x 5'6"	
4 - 7'10" x 5'6"	
2 - 4' 6" x 7'	
4 - 7'10" x 7'	
2 - 4' 6" x 8'6"	
5 - 7'10" x 8'6"	
2 - 4' 6" x 5'6"	
2 - 2' 6" x 5'6"	
1 - 2' 6" x 1'3½"	
2 - 4' 6" x 7'	
2 - 2' 6" x 4'6"	
2 - 4' 6" x 8'6"	
2 - 2' 6" x 6'	
1 - 4' 6" x 2'7"	
1 - 4' 6" x 5'6"	
2 - 4' 6" x 7'	
2 - 2' 6" x 4'6"	
2 - 4' 6" x 8'6"	
2 - 2' 6" x 6'	
Cost-----	2,368.95
Labor 10%	236.90

FIRESHIELD DOORS

2 - 3' x 7' @ \$20.	40.00
	10.00

REINFORCING STEEL

22 tons @ \$60.	<u>1,320.00</u>
-----------------	-----------------

Carried Forward-----\$40,711.22

Brought Forward-----\$ 40,711.22

STANDARD SUPPORTING - for
Reinforcing steel \$50.00

WIRE MESH

6 x 6 - #10 - 5,300 sq.ft.
@ \$1.26 66.78
Labor-----10% 143.68

STEEL PANS - Rental 431.00
Labor-----35% 150.85

VAULT DOORS

2 @ \$500.00 1,000.00
Erected-----10% 100.00

CAULKING

approx. 900' @ 10¢ 90.00

STEEL STAIRS 998.00

ORNAMENTAL METAL 4,076.00

ROUGH HARDWARE 200.00

FINISH HARDWARE 1,500.00

MARBLE

Vestibule: :

4 1'6"x 9'10"x 7/8"
1 6'4"x 4"x 7/8"
1 6'4"x 1' 3"x 7/8"
4 2'0"x 9'10"x 7/8"

Lobby:

6 1'10"x 9' x 7/8"
4 6'3" x 6"x 7/8"
4 1' x 8' x 1-1/8"
5 2'4" x 9' x 7/8"
4 3'4" x 2' x 7/8"

Stair Hall:

5 4' x 9' x 7/8"
4 3'2" x 8'10"x 7/8"
8 1'7" x 4'10"x 7/8"
1 3'5" x 7' x 7/8"

Carried Forward----- \$49,517.53

Brought Forward-----\$47,517.53

Cont'. Stair Hall

6	3'6"	x	4'10"	x	1-1/8"
1	175'	x	4' 6"	x	7/8"
1	26'	x	3'	x	7/8"
8	9'	x	1'	x	7/8"
23	4 1/2"	x	6'7"	x	1-1/8"
7	4"	x	6'7"	x	1-1/8"
9	3'9"	x	4"	x	1-1/8"

2nd. Floor Corridor:

7	3'3"	x	4"	x	1-1/8"
1	3'	x	1 1/4"	x	7/8"
12	1'4"	x	9'	x	7/8"
6	2'6"	x	3'	x	7/8"

Vest.#101-Black

4	1'8"	x	6"	x	1-1/8"
2	5'2"	x	6"	x	7/8"

Lobby #102

2	1'10"	x	6"	x	1-1/8"
12	2'11"	x	6"	x	7/8"
23	2' 8"	x	6"	x	7/8"

Closet #102-B

6	6"	x	6"	x	1-1/8"
1	1'	x	6"	x	1-1/8"
6	2'4"	x	6'11"	x	7/8"

Stair Hall #103

3	2'4"	x	6"	x	1-1/8"
1	2'8"	x	6"	x	1-1/8"
2	6'	x	10"	x	7/8"
1	205'	x	6"	x	7/8"
23	5 1/2"	x	6"	x	1-1/4"
7	4"	x	6"	x	1-1/4"

Stools

8	35'	x	15"	x	1-1/2"
4	79'	x	15"	x	1-1/2"
16	52'	x	6"	x	1-1/2"
9	32'	x	6"	x	1-1/2"
5	86'	x	9"	x	1-1/2"

Toilet Room #209

6	21'	x	50"	x	7/8"
2	6'	x	3'10"	x	7/8"
1	33'	x	4' 6"	x	7/8"
1	6 1/2"	x	4' 6"	x	1-1/4"
1	18 1/2"	x	7"	x	1-1/4"

Room #209-A

2	4'4"	x	5'	x	7/8"
4	4"	x	4"	x	1-1/8"
2	3'4"	x	4"	x	1-1/8"

Toilet Room #208

1	6'2"	x	5'	x	7/8"
---	------	---	----	---	------

Carried Forward-----\$47,517.53

Brought Forward-----\$47,517.53

Cont'. Toilet Room #208

1	3'	x 3'10"	x	7/8"
2	6"	x 1' 1"	x	7/8"
1	6"	x 5'	x	7/8"
1	2'10"	x 5'	x	7/8"
Room #208A				
2	4'4"	x 5'	x	7/8"
2	1'8"	x 5'	x	7/8"
2	4'	x 6'7"	x	1-1/8"
2	3'3"	x 6'7"	x	1-1/8"
Toilet Room #202 B&C				
2	3'3"	x 5'	x	7/8"
1	4'5"	x 5'	x	7/8"
2	3'7"	x 5'	x	7/8"
1	7'	x 5'	x	7/8"
6	4'	x 6'7"	x	7/8"
Toilet Room #. 03A				
4	2'9"	x 5'	x	7/8"
1	2'8 ¹ / ₂ "	x 7"	x	1-1/4"
2	4 ¹ / ₂ "	x 6'7"	x	1-1/8"
1	3'1"	x 4'	x	1-1/8"

Total Cost-----	\$ 4,329.00
Labor -----35%	1,515.15

ACOUSTIC TILE

37' x 14'	-	518 sq.ft.	
58'6" x 27'6"	-	2,126 " "	
2,127 sq. ft.	@ \$180.		382.86
Labor-----35%			134.00

ASPHALT TILE

9'6" x 11' 9 ³ / ₄ "	-	111.5 sq.ft.
12' x 11' 9 ³ / ₄ "	-	141.
12' x 9' 9"	-	117.
8'9" x 11' 3"	-	100.
8'9" x 11' 3"	-	100.
18'9" x 10' 6"	-	199.
6'5" x 9'	-	58.
11' x 11'	-	121.
11' x 6'	-	66.
3'4" x 13' 6"	-	61.
37'6" x 12' 6"	-	694.
8' x 15'	-	120.
10' x 14' 6"	-	145

Carried Forward-----\$55,818.54

Brought Forward-----\$55,818.54

ASPHALT TILE - Cont'.

6'	x	8'	-	48	sq.ft.
18'	x	14'9"	-	264	"
8'	7½"	x	12'	-	102 "
8'	10"	x	12'	-	106.8 "
28'	x	12'	-	336	"
24'	x	8'	-	192	"
10'	2"	x	17'	-	173. "
12'	9"	x	8'1"	-	102 "
12'	9"	x	8'1"	-	102 "
10'	2"	x	15'	-	155 "
27'	x	10'	-	270	"
24'	x	8'	-	192	"
3'	6"	x	3'	-	10.5 "
11'	3"	x	8'	-	90. "
13'	x	12'	-	156	"
6'	x	13'	-	108	"
14'	x	16'	-	224	"
4'	x	6'	-	24	"
10'	6"	x	11'3"	-	118 "
4'	x	6'	-	24	"
11'	x	13'	-	143	"
12'	8"	x	10'2"	-	130 "
31'	x	8'6"	-	263.5	"
9'	6"	x	24'	-	228. "
5'	x	2'	-	10	"
12'	x	20'7"	-	247.2	"
6'	x	4'	-	24	"
10'10"	x	16'8"	-	182	"
3'	x	3'	-	9	"
53'	6"	x	27'6"	-	1608.7 "
13'	x	12'	-	156	"
17'	9"	x	13'3"	-	235 "
11'	9"	x	13'	-	153 "
13'	3"	x	11'9"	-	150

7,400 sq. ft. @ 35¢	\$ 2,590.00
Labor - 7,400 sq.ft.@ 10¢	740.00

GLASS & GLAZING

66	24x20x3/16	Crys.gl.	-21.99'
25	42x20x3/16	"	-14.58'
10	22x30x3/16	"	- 9.17'
10	24x62x3/16	"	-10.33'
16	22x48x3/16	"	-11.73'
8	24x50x3/16	"	- 6.66'
8	20x62x3/16	"	- 8.95'

Carried Forward-----\$59,208.54

Brought Forward-----\$59,208.54

GLASS & GLAZING -Cont'.

9	18x50x3/16	Crys.gl.-	5.63	sq.ft.
10	26x50x3/16	" "	- 9.02	"
8	24x48x3/16	" "	- 6.40	"
4	26x48x3/16	" "	- 3.46	"
6	14x52x3/16	" "	- 3.03	"
10	16x52x3/16	" "	- 3.78	"
8	26x60x3/16	" "	- 8.67	"
12	20x52x3/16	" "	- 8.67	"
18	18x52x3/16	" "	-11.70	"
8	14x60x3/16	" "	- 4.67	"
4	28x20x3/16	" "	- 1.55	"
8	14x42x3/16	" "	- 3.26	"
4	28x18x3/16	" "	- 1.40	"
12	26x52x3/16	" "	-11.26	"
6	24x52x3/16	" "	- 5.20	"
6	22x52x3/16	" "	- 4.76	"
1	36x18x3/16	" "	- 4.50	"
8	24x46x3/16	" "	- 6.13	"
10	20x46x3/16	" "	- 6.38	"
10	18x42x3/16	" "	- 5.25	"
4	14x18x3/16	" "	- 7.00	"
2	14x40x3/16	" "	- 8.94	"
2	16x36x3/16	" "	- 8.00	"
8	26x50x3/16	" "	- 7.2	"
2	10x28x3/16	" "	- 6.2	"
1	14x30x3/16	" "	- 2.9	"
4	28x32x3/16	" "	-24.8	"
2	18x30x3/16	" "	- <u>7.5</u>	"

2,099 sq.ft. @ 18¢
Labor @ 6¢ sq.ft.

\$ 377.82
125.94

2	24x66x3/16P.P	- 22	"
4	20x64x3/16P.P	- 26	"
2	24x52x3/16P.P	- <u>18</u>	"

76 sq. ft. @ 18¢
Labor @ 6¢ sq.ft.

13.68
4.56

3/16" Diffused Glass

6	21x66	- 66	"
4	36x76	- 36	"
2	24x36	- 12	"
1	12x76	- 3	"
3	28x36	- 21	"
4	30x36	- 30	"
1	18x36	- 4.5	"
15	22x36	- <u>82.5</u>	"

Carried Forward -----\$59,730.54

Brought Forward-----\$59,730.54

3/16" Diffused Glass-Cont'.

4 14x38	-14.8	Sq.ft.
4 26x14	<u>-10.1</u>	"

279.8 sq. ft. @ 21¢	\$	58.76
Labor @ 6¢ sq. ft.		16.79

P.P. WIRE GLASS

28 12x16	- 37 sq.ft @ 81¢	29.97
----------	------------------	-------

FINISH WOODWORK

Basement Doors

18 - 2'8"x6'10"x1 $\frac{3}{4}$ " @ \$12.	217.80
7 - 2'6"x6'10"x1 $\frac{3}{4}$ " @ 10.70	74.90
2 - 2'8"x6'10"x1 $\frac{3}{4}$ " @ 13.20	26.40
1 - 2'8"x6'10"x1 $\frac{3}{4}$ " @ 13.80	13.80
1 - 5'4"x6'10"x1 $\frac{3}{4}$ " @ 24.20	24.20

First Floor - Flush Inlay

4 - 3' x7' x1 $\frac{3}{4}$ " @ 28.40	113.60
5 - 3'8"x7' x1 $\frac{3}{4}$ " @ 13.20	66.00
10 - 2'4"x7' x1 $\frac{3}{4}$ " @ 13.10	131.00

Second Floor

2 - 6' x7' x 1 $\frac{3}{4}$ "	
Flush Inlay @ 56.80	113.60
2 - 2'8"x7' x 1 $\frac{3}{4}$ "	
Flush Inlay @ 14.50	29.00
5 - 2'6"x7' x1-3/8"	
Flush Inlay @ 13.20	66.00
1 - 2'10"x7' x 1 $\frac{3}{4}$ "	
Walnut @ 18.50	18.50
1 - 2'10"x7' x 1 $\frac{3}{4}$ "	
2-Pan @ 17.50	17.50
5 - 2'4"x7' x 1 $\frac{3}{4}$ "	
2-Pan @ 13.40	67.00

1,350 ft.lin.pic.mold $\frac{3}{4}$ x2-5/8 @3 $\frac{1}{2}$ ¢	47.25
160 " " 6" Base&Shoe W.O. @13¢	20.80
100 ft.Wainscote Cap.W.O. @ 6¢	6.00
180 " " " Walnut @ 9¢	16.20
94 Hook Strip $\frac{3}{4}$ "x3" W.O. @ 6¢	5.64
20 Shelves $\frac{1}{4}$ "x12" W.O. @24¢	<u>4.80</u>

Carried Forward-----\$60,916.05

Brought Forward -----\$60,916.05

12 Shelves $\frac{3}{4}$ "x12" Y.P	@12¢	1.44
42 Hook Strip $\frac{3}{4}$ "x3" Y.P	@ 3¢	1.26
3 Toilet Doors 2'x4'6"x1-1/8"	@\$6.00	18.00
1 Cabinet 2'3"x 12'		30.00
2 Sets of Door Jambs & Trims	@\$15.30	30.60
2 Sets " " " " 8'6"x		
7'4"	@\$14.50	29.00
1 Set of Door Jamb & Trim 11'		
x 7'4"	@\$18.00	18.00
1 Set of Sing.Wall Tr.2'6"x		
3'	@ 5.00	5.00
7 Sets of Door J.& Trim 2'8"		
x 6'10"	@ 7.00	49.00
7 " of Door " " " 2'8"		
x 6'10"	@ 7.00	49.00
1 " of Door J.& Trim 2'6"		
x 6'10"	@ 9.80	9.80
3 " of Door J.& Trim 2'6"		
x 6'10"	@ 9.80	29.40
1 " of Door J.& Trim 2'6"		
x 6'10"	@ 9.80	9.80
2 " of Door J.& Trim 3'x		
6'10"	@ 9.80	9.80
2 Sets of Panel Door 5A 6'x		
7'18"	@ 21.50	43.00
1 Set of Panel Door 2'4"		
x 7'x 1-1/8"	@ 5.00	5.00
4 Sets of Panel Door 3'x		
7'x 1-1/8"	@ 7.80	31.20
2 " of Panel Door 3'8"		
x 7'	@ 7.40	14.80
3 " of Panel Door 3'x		
7'	@ 7.40	22.20
1 Set of Panel Door J.&T.	@ 7.00	7.00
2 Sets " Door J.&T. 2'6" x		
7'	@ 5.00	10.00
1 Set of " " " 3'x7'x		
1-1/8"	@ 8.80	8.80
1 " of Door J.&T. 2'10"		
x 7 - W&O	@ 10.00	10.00
1 " of Door J.&T. 2'10"		
x 7' x 1-1/8"	@ 10.00	10.00
2 Sets of Door J.&T. 2'4"		
x 7' x 1-1/8" Wal.	@ 12.00	24.00
2 Sets of Door J.&T. 2'4"		
x 7' x 1-1/8"	@ 10.20	20.40
1 Set of Door J.&T. 2'4" x		
7'x 1-1/8" Wal.	@ 12.00	<u>12.00</u>

Carried Forward-----\$61,424.55

1

Brought Forward-----\$61,424.55

1 Set of Door Jamb & Trim -2

Sides 3 'x7'-4-1/8" x 5 1/2"

x 3/4" x 3-1/2" Cas.

2 Sides W.O. @ \$7.40 7.40

Assembling of Jambs 9.75

" " Panels 4.80

Cartage 55.56

Labor 583.10

SHEET METAL & ROOFING 1,500.00

LATHING & PLASTERING 5,197.00

TERRAZZO 1,637.00

PAINTING 1,646.00

10,640.61

10,640.61

TOTAL

\$72,065.16

General Excavation	1,710.50
Excavation in Cellar	1,501.40
Exc. Footing Details	3,600.00
Concrete Stairs	100.00
Concrete Parlor Floor	107.44
Cement Tank	300.00
Brick Tile	200.00
Sidewalks	210.00
Cell. Sill. & Slab (1st Fl.)	2,400.00
Cell. Sill. & Slab (2nd floor)	2,011.40
Cell. Sill. & Roof Slab	400.00
Reinforced Wall & Floor	640.00
Cement Tile	30.04
Fire & Cement Brick	4,510.00
Base & Hollow Tile	6,100.12
Cinder Blocks	1,800.00
Fire Brick & Blue Lining	200.00
Main. Steel Truss & Laths	2,100.01
Fire Proofing Lath	500.00
Waterproofing & Lath	700.00
Stove	1,000.00
Paint Doors	1,100.00
Caulking	90.00
Steel Windows	2,000.85
Ornamental Metal & Stairs	4,500.00
Steel & Iron	<u>2,001.01</u>
Carriage Forward	40,110.40

Brought Forward-----	\$10,112.45
Metal Doors	50.00
Toilet Partitions	348.00
Rough Carpentry	440.00
Finish Carpentry	2,249.10
Rough Hardware	200.00
Finish Hardware	1,500.00
Roofing & Sheetmetal	1,500.00
Lathing & Plastering	5,197.00
Acoustic Tile	513.86
Terrazzo	1,637.00
Marble	5,644.15
Asp. & rubber Tile	2,330.00
Painting	1,640.00
Glass & Glazing	637.52
Granite	519.03
Lightning Rods	175.00
Fire extinguishers	<u>175.00</u>
	\$72,085.16
Public Liability & Prop.	
Damage ---- 1%	720.85
Curety Bond 1%	720.85
	<u>73,526.86</u>
Profit 10%	7,352.64
TOTAL BID-----	\$80,879.50
ACTUAL COST-----	75,052.28

SUCCESSFUL BIDDERS ESTIMATE - SCHEDULE

	<u>Estimate</u>	<u>Actual Cost</u>
General Conditions	\$ 2,170.00	\$
Excavation & Backfill	979.50	
Conc.Foot's. & Walls	5,189.31	
Concrete Stairs	198.00	
Concrete Bsm't.Fl.	973.20	
Septic Tank	350.00	
Drain Tile	310.00	
Sidewalks	210.00	
Conc.Cols.& Slabs (1st.Fl.)	2,470.00	
Conc.Cols.& Slabs (2nd.Fl.)	2,300.00	
Conc.Cols.& Roof Slab	507.00	
Cement Finish on Floors	800.00	
Cement Base	40.00	
Fire & Common Brick	4,328.00	
Glazed & Hollow Tile	5,950.00	
Cinder Blocks	1,800.00	
Fire Brick & Flue Lining	310.00	
Rein.Steel mesh & Pans	2,350.00	2,100.00
Bar Joist & Top Lath	685.00	685.00
Waterproofing & Damp.	790.00	790.00
Stone	4,753.00	4,650.00
Vault Doors	1,060.00	1,060.00
Caulking	85.00	85.00
Steel Windows	2,400.00	2,350.00
Ornamental Metal & Stairs	5,074.00	4,600.00



	<u>Estimate</u>	<u>Actual Cost</u>
Steel & Iron	\$ 2,200.00	\$ 2,150.00
Metal Doors	45.00	45.00
Toilet Partitions	365.00	365.00
Rough Carpentry	400.00	
Finish Carpentry	2,952.00	2,952.00
Rough Hardware	150.00	150.00
Finish Hardware	1,500.00	1,500.00
Roofing & Sheetmetal	1,500.00	1,320.00
Lathing & Plastering	5,397.00	4,960.00
Acoustic Tile	522.00	522.00
Terrazzo	1,799.99	1,700.00
Marble	6,600.00	6,450.00
Asphalt & Rubber Tile	3,000.00	3,000.00
Painting	1,880.00	1,880.00
Glass & Glazing	625.00	625.00
Granite	517.00	517.00
Lightning Rods	175.00	175.00
Fire Extinguishers	175.00	175.00
Bond	<u>580.00</u>	<u>580.00</u>
Total	76,465.00	Actual
Profit ---5%	<u>3,823.25</u>	<u>Cost</u>
Total Bid	\$80,288.25	\$75,052.25

FROM OCT 1951

FROM OCT 1951

Pocket has: 3 Sheets



MICHIGAN STATE UNIVERSITY LIBRARIES



3 1293 03056 1769