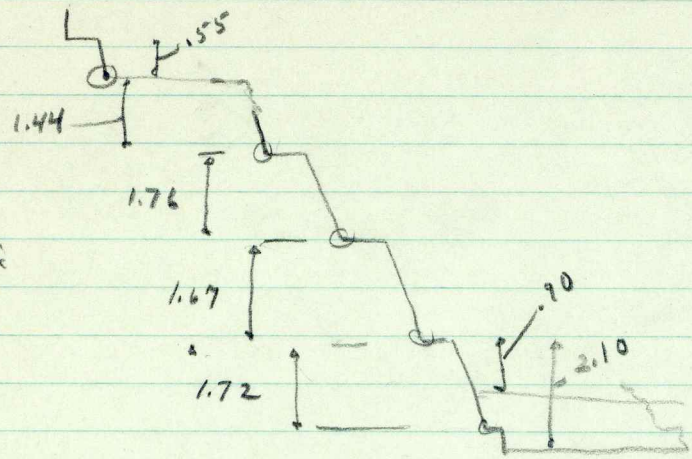
R.10 vcarst.

From Scaling in Section in notes. (levels)



1.76
167
172
3 | 515 | 1.72 av 1st three.
3
21

2.10
1.72
.38

Heights:	Ave ↓			
Plinth —	55	actual	55	55
Tenues	1.45		1.44	
	1.72		1.76	
	1.72		1.67	
	1.72	.16	1.72	6.59
Base	.38			38
	7.55			
	2			
	6.59			
	38			
	6.97			
	+ 55			
	7.52			

in table

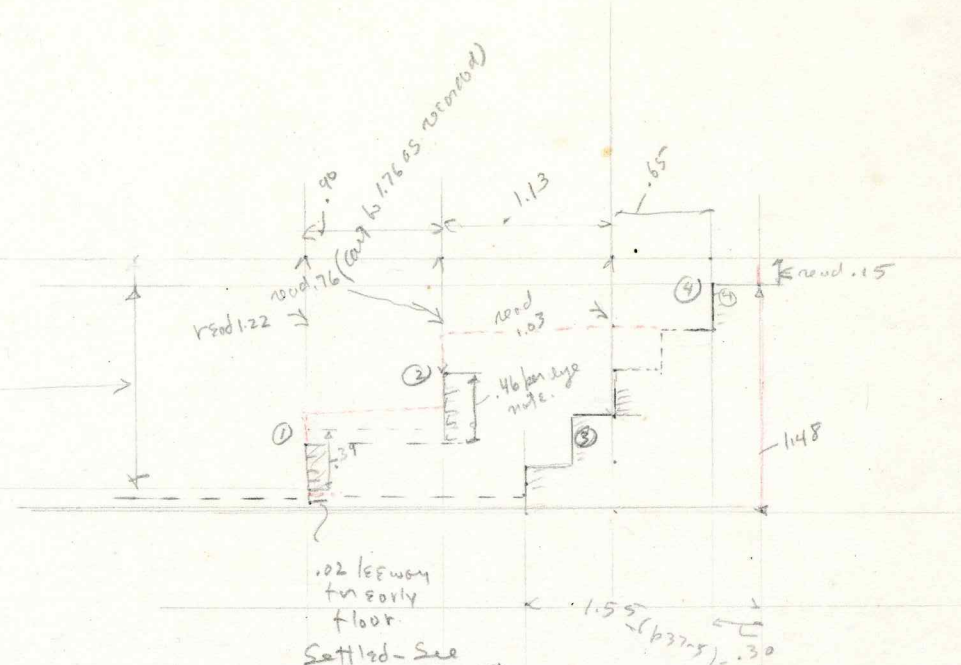
2.10
1.20
.90

5-39

2nd

1.44	7.07
1.76	-1.20
1.67	5.87
.90	
5.77	
+ 55	
6.32	← in table

See other sheets for bed averages.



1.22
.76
.46

① reod 1.22
④ reod .15
1.07
+ .39
1.46

h = 1.80 above a floor opening of left corner of Early stwy, which is 3.96 below ledge (at side).
per p. 37-2

1.22
76
46

Per p 37-5.

④ - ⑦ = − 6.19

8 = − 7.67

7.67
6.19
1.48 height of 4 above early floor

5 | 1.48 | 1.296 = .30 av. step height
10
48
45
30

5 | 1.55 | .31 av. tread.
15

Settled - See Section at right where base of Tenuo Step ① is only .14 below top of lowest Early step and a floor was indicated inside + against it, only .06 below the top. + slope between was indicated

Restore:

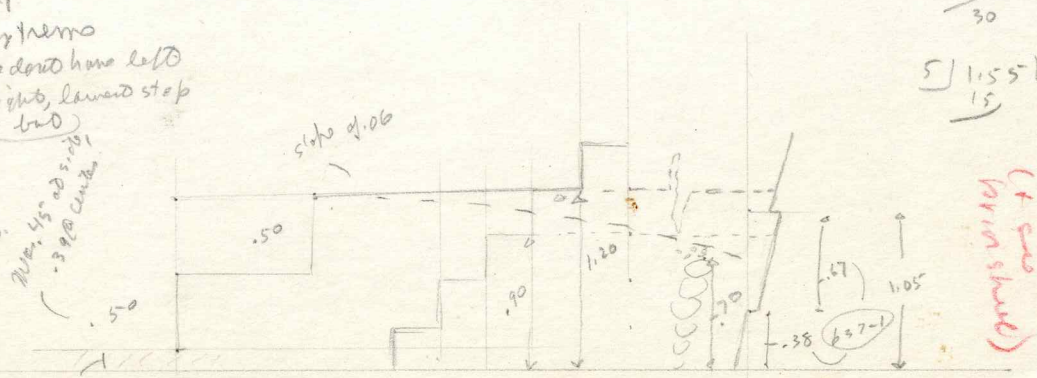
Check with TAP for heights at extreme left + rt. - ~~we don't have left~~ - at right, lowest step low bad)

TAP found top of this step (both of next rather) .47 above base of R-9 lower step.

Note: 45° at side .39 @ center

Best restoration

1.78
1.10
.68



(+ Fine Bryn Shue)

1.48
15
1.63

67
38
1.05

R-10

Summary

from orig. sheets (See a later one for better relation between Terrace steps & stwy.)

R-10 LS 1938

Red + Block from Plan sheet ②

Green from center of this section

See AB

Conclusions

R-10-1st – 45° stwy, risers + treads averaging .32

hi =

Total height of stwy

-7.68 (2nd shot on base)
-.90 (-.92, ⑥) up to top

.32) 6.78 (21.1 steps. – in h. up front.
64
38
32
40
32

On Section AB

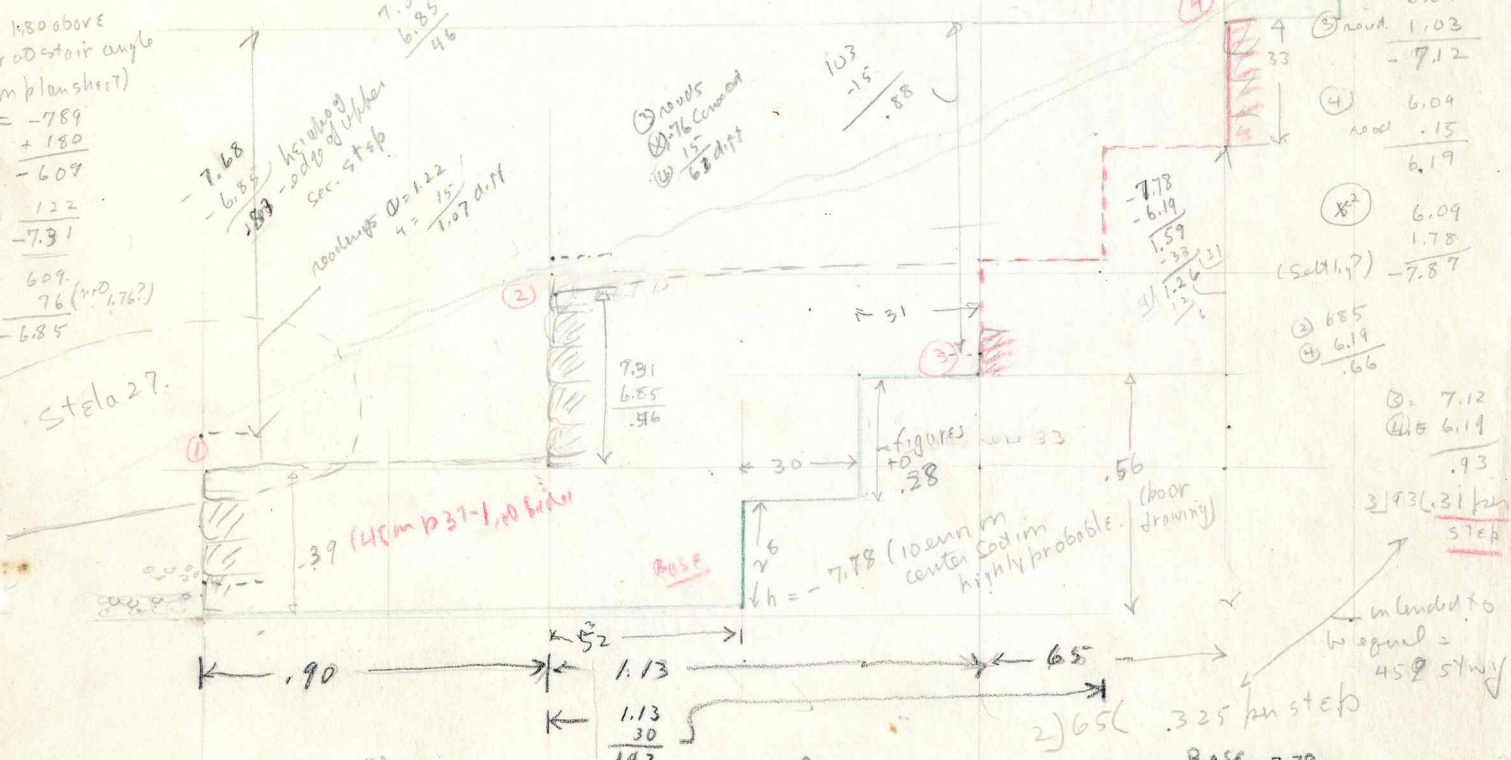
For best average h. of terrace:
(bringing plaza level up to front step level)

6.78
– .38 (basal "plattform").
6.40
– 1.45 top terrace, ④ 2.36, ⑥ .90 (.02 to plaster)
1.46 = 1.45

3) 5.05 (168
3
20
18
25
24

(limits observed were 1.72, 1.67, 1.76 + these had to take care of the unevenness of the plaza.

6.19
⑦ 6.19
④



R-10

h lower plaza floor = -7.67

From original sheet 37-6

hi = -5.67
h = 2.00 above plaza floor

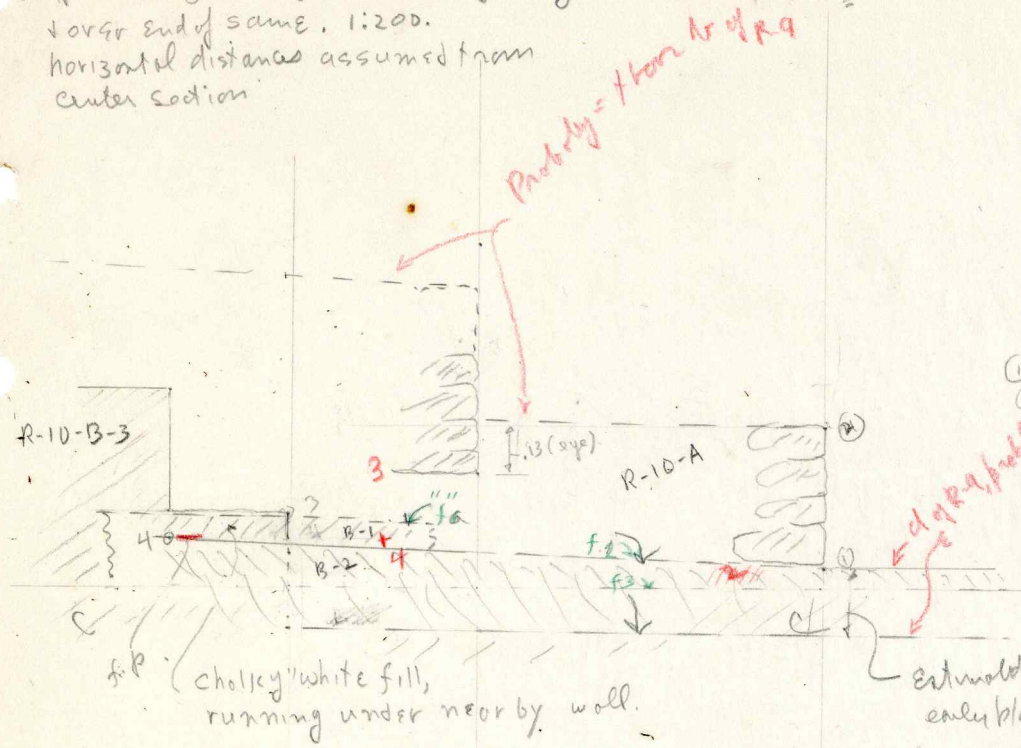
Comp. Section just beyond rt end of stwy over end of same. 1:200. horizontal distances assumed from center section

① need 2.00 − 1.95 = .05

② need 2.00 − 1.59 = .41

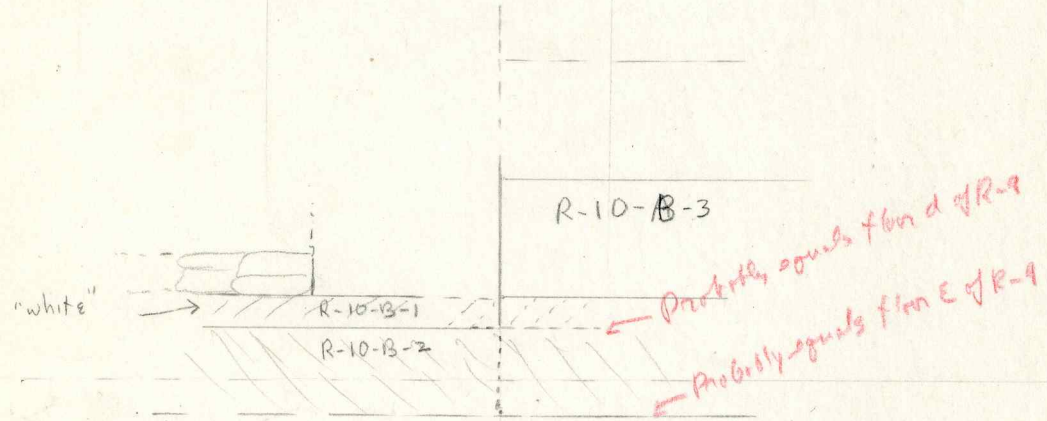
③ need 2.00 − 1.81 = .19

④ 2.00 − 1.87 = .13



① 1.95
③ 1.81
.14 – Base of loc step Terrace below top of Early step

1.95
1.87
.08 rise in early floor

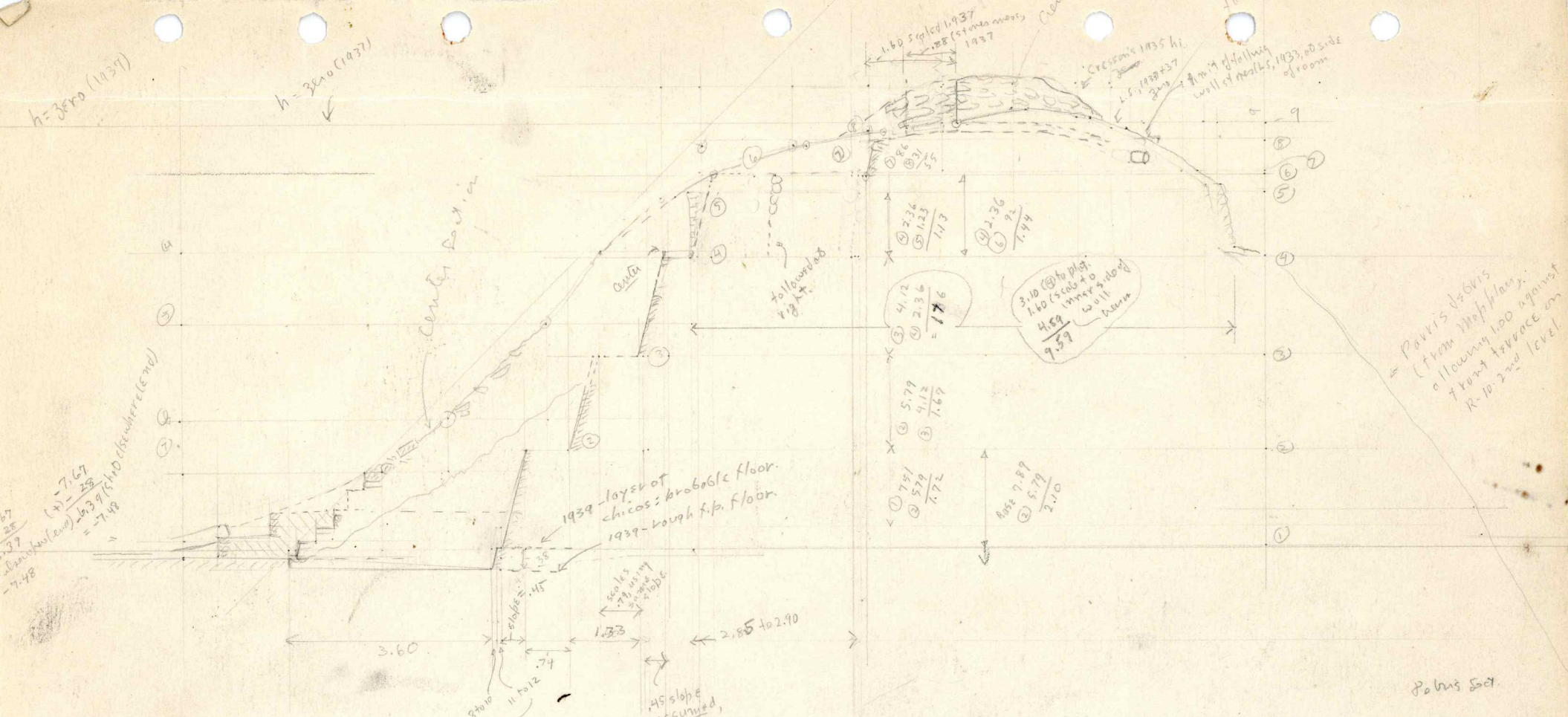


1 Bag Q

2 Bag R (3 above floor), 1 on it.

3 Bag S

4 Bag T (But GD says equivalent of B-2 or 3

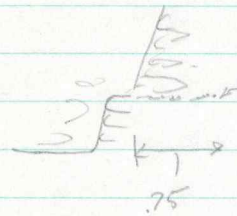

h = zero (1937)
h = zero (1937)
1.60 scaled 1.937
.88 (stone measure) 1937
Cresson's 1935 hi
2.5, 1938+37 zero
Ann's dwelling wall at rear 1.5, 1933, on side of room
Center Section
Center
followed right
3.10 ⑧ to plat. 1.60 (scale to inner side of wall) 4.59 / 9.59
Parris debris (from photo plan) allowing 1.00 against front terrace on R-10-2nd level
1939 - layer of chicos: probable floor.
1939 - rough f.p. floor.
slope = .45
scales 7.71 using same slope
1.33
2.85 to 2.90
3.60
.74
slope .8 to 10
11 to 12
drown @ .10 each.
.45 slope assumed, constant meas. See reason center, slope on bulging wall vrs .22 hi .70 ⑨ - was one place at .37 hi .95 - obviously displaced?
Parris Sect.
1.55
1.19
1.78
2.60
7.12
- .30
6.82
3.42
10.24
3.42
- .30
3.10 - Bldg. Plat (agrees within .05 with TAD survey)
2.85
.25 diff from terrace section
Comp Section AB
⑨ = zero.
+ .38 (hi)
④ read down 2.74
38
= -2.36
⑤ read 1.61
38
-1.23
⑥ 1.30
38
-.92
⑦ 1.24
38
-.86
⑧ .69
38
-.31
⑨ = 0.00
⑩ read 2.89
38
-2.51
new hi read .01 above 10
-2.51
+ .01
= -2.50
② read down 3.29
2.50
-5.79
③ read 1.62
2.50
-4.12
new hi = .43 above pt ②
= -5.79
+ .43
= -5.36
① read 2.15
5.36
-7.51
Base of basal ledge
-7.51
- 38
7.89
See tracing of this section in rear of note book.
Center Section
hi = 1.11 above same zero.
① read down 2.00
1.11
-.89
② 2.05
1.11
-.94
③ —
④ + hi 3.38
1.11
-2.27
⑩ = 10 of Sect AB, read 3.62
1.11
-2.51
new hi = .12 above ⑩ = -.251
+ .12
-2.39
⑤ read 1.15
2.39
-3.54
⑥ -2.83
-2.39
-5.22
⑦ 3.80
2.39
-6.19
hi = .52 above ⑪ = -6.19
+ .52
-5.67
⑧ read. 2.00
5.67
-7.67
⑨ " 2.02
5.67
-7.69
⑩ } " 1.83
5.67
-7.50
⑪ }
(plaza uneven)
7.50
-.89
6.61 = bm height
A-10

R-10
1939

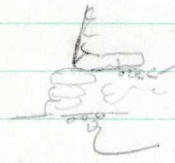
R-10 LSSr notes

June 16 1939

Left stair angle:



travels out as a fairly certain floor level, but tacked to final plaster (Est. in 1.00 m. left of stairs. Below the "vassal molding" indicates the bricks proof just short of absolute.



chases as if from floor

perfectly certain rough bottom finished plaster -

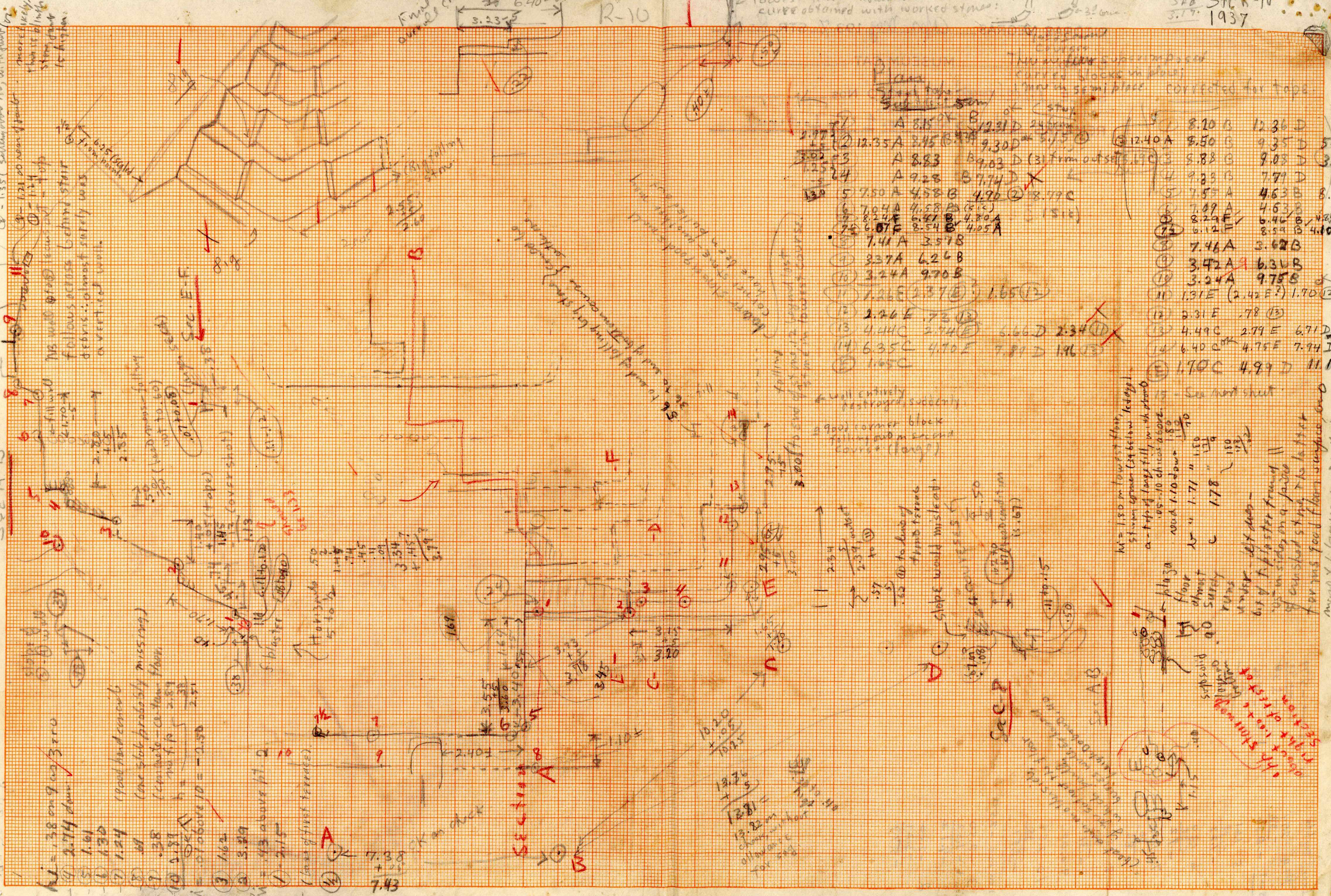
Sfc R-10
1937

R-10

lowest terrace. Round corner in fair shape
curve obtained with worked stones:

Final check!

3.23-5 | 6.40-5



Plan
corrected for tape

These are three superimposed curved blocks in place; 1 more in semi place

1	A	8.15 B	12.31 D	24 from
2	12.35 A	8.45 B	9.30 D	5.15
3	A	8.83 B	9.03 D	(31 from outset 5.19 C)
4	A	9.28 B	7.74 D	
5	7.50 A	4.58 B	4.90 ②	8.79 C
6	7.04 A	4.58 B (sic)		(sic)
7	8.24 F	6.41 B	4.80 A	
7½	6.07 F	8.54 B	4.05 A	
8	7.41 A	3.57 B		
9	3.37 A	6.26 B		
10	3.24 A	9.70 B		
11	1.26 E	2.37 (E)	1.65 (12)	
12	2.26 E	.73 (13)		
13	4.44 C	2.74 (E)	6.66 D	2.34 (11)
14	6.35 C	4.70 E	7.81 D	1.96 (13)
E	1.65 C			

1		8.20 B	12.36 D	
2	12.40 A	8.50 B	9.35 D	5.20 C
3		8.88 B	9.08 D	3.74 C
4		9.33 B	7.79 D	
5	7.55 A		4.63 B	8.84 C
6	7.09 A		4.63 B	4.89 A
7	8.29 F		6.46 B	
7½	6.12 F		8.59 B	4.10 A ②
8	7.46 A		3.62 B	
9	3.42 A		6.31 B	
10	3.24 A		9.75 B	
11	1.31 E	(2.42 E?)	1.70 (12)	
12	2.31 E	.78 (13)		
13	4.49 C	2.79 E	6.71 D	2.39 (11)
14	6.40 C ok	4.75 E	7.94 D	2.01 (13)
E	1.70 C	4.99 D	11.12 B	

15 – See next sheet

← wall entirely destroyed, suddenly

a good corner block following up in second course (long?)

upper corner face of fallen course is fallen

falling fill, largest stones in middle of stair

HI = 1.80 m lowest floor, (24 below ledge)
stump corner
a – top of large fill, with plumb
.05-.10 checks above.
rock 1.10 down
2 " 1.71 "
c 1.78

plaza floor almost surely runs under left door
6.1 plaster found on stairs on a paste of crushed stone, to the latter forming good floor surface.

more & p. breaks from outside wall

4th station
dam 4.93
1.00 + 1.00
offset of section

cont. tapes
check tape
Remove 8 & 9 on 7 or 10

Hi = 1.38 on 9 as zero
④ 2.74 down
⑤ 1.61
⑥ 1.30
⑦ 1.24
⑧ .68
⑨ .38
⑩ 2.89
Hi = .07 above 10 = −2.50
③ 1.62
② 3.89
Hi = .43 above pt. 2
① 2.15
½ (base of first terrace)

(Good hard concrete)
(one slab probably missing)
(complete – on the floor)

−2.36
−1.23
−.92
−.86
−.31
zero
−2.51
−4.18
−5.79
−7.51
.38
−7.89

PIEDRAS NEGRAS Apr-May 1937 STR. R-10

R-10
1937
L.S.Jr

Plan Sheet 1

O.P. No. MUSEUM CAT.

SCALE 1:100 (rough) SEE PHOTO Nos.

REMARKS Plan Sheet No. 1 (+ Sections)

Sec. Heights

P1.4 2.74
38
2.36

hi = 38 m.

5 1.61
38
1.23

6 1.30
38
.92

7 1.24
38
.86

8 .69
38
.31

9 0.00

10 2.89
38
2.51

hi = 1 m 10 = 2.50

3 2.50
1.62
4.12

2 2.50
3.29
5.79

hi = 43 stone 5.79
+ 43
5.36
1 = 2.36
2.95
7.51

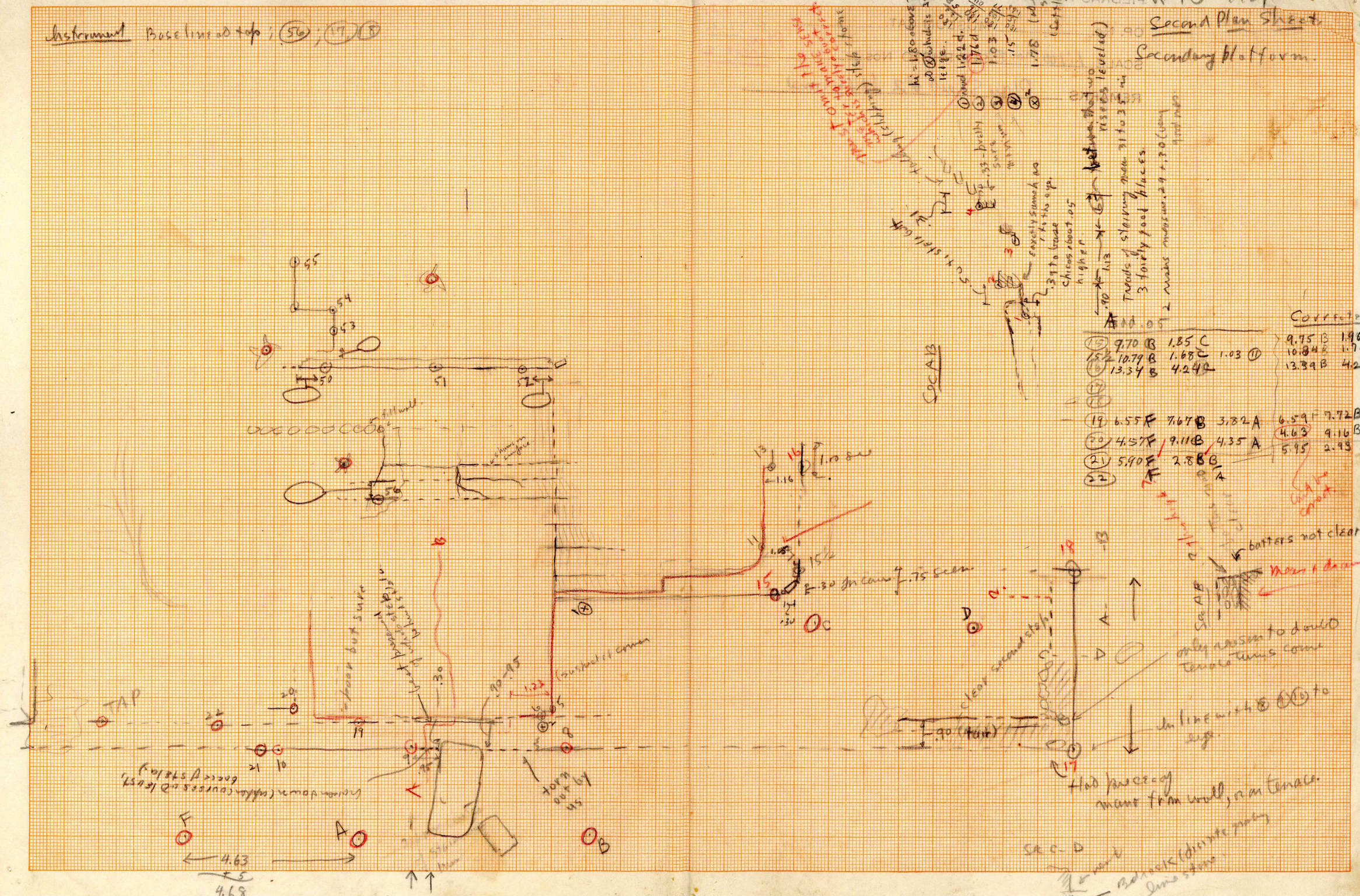
R-10 1937

37-2

Second Plan Sheet.

Secondary platform.

Instrument Baseline at tap; (56); ⑰ ⑧



					Corrected		
A add .05							
⑮	9.70 B	1.85 C			9.75 B	1.90 C	⑪
15½	10.79 B	1.68 C	1.03 ⑪		10.84 B	1.73 C	1.07
⑯	13.34 B	4.24 C			13.39 B	4.29 C	
⑰							
⑱							
⑲	6.55 F	7.67 B	3.82 A		6.59 F	7.72 B	3.87 A
⑳	4.57 F	9.11 B	4.35 A		4.63	9.16 B	4.40 A
㉑	5.90 F	2.88 B			5.95	2.93	
㉒	F	A					

PIEDRAS NEGRAS Apr-May 1937 STR. R-10 R-10 1937

OP. No. ..... MUSEUM CAT. ..... LSJr P 37-2

SCALE 1/100 (round) SEE PHOTO Nos. ..... Plan Sheet 2

REMARKS Plan Sheet #2 (+ Sections)

Obv/19 R-10 R-10

PIEDRAS NEGRAS R-10 1937 STR. R-11 1937

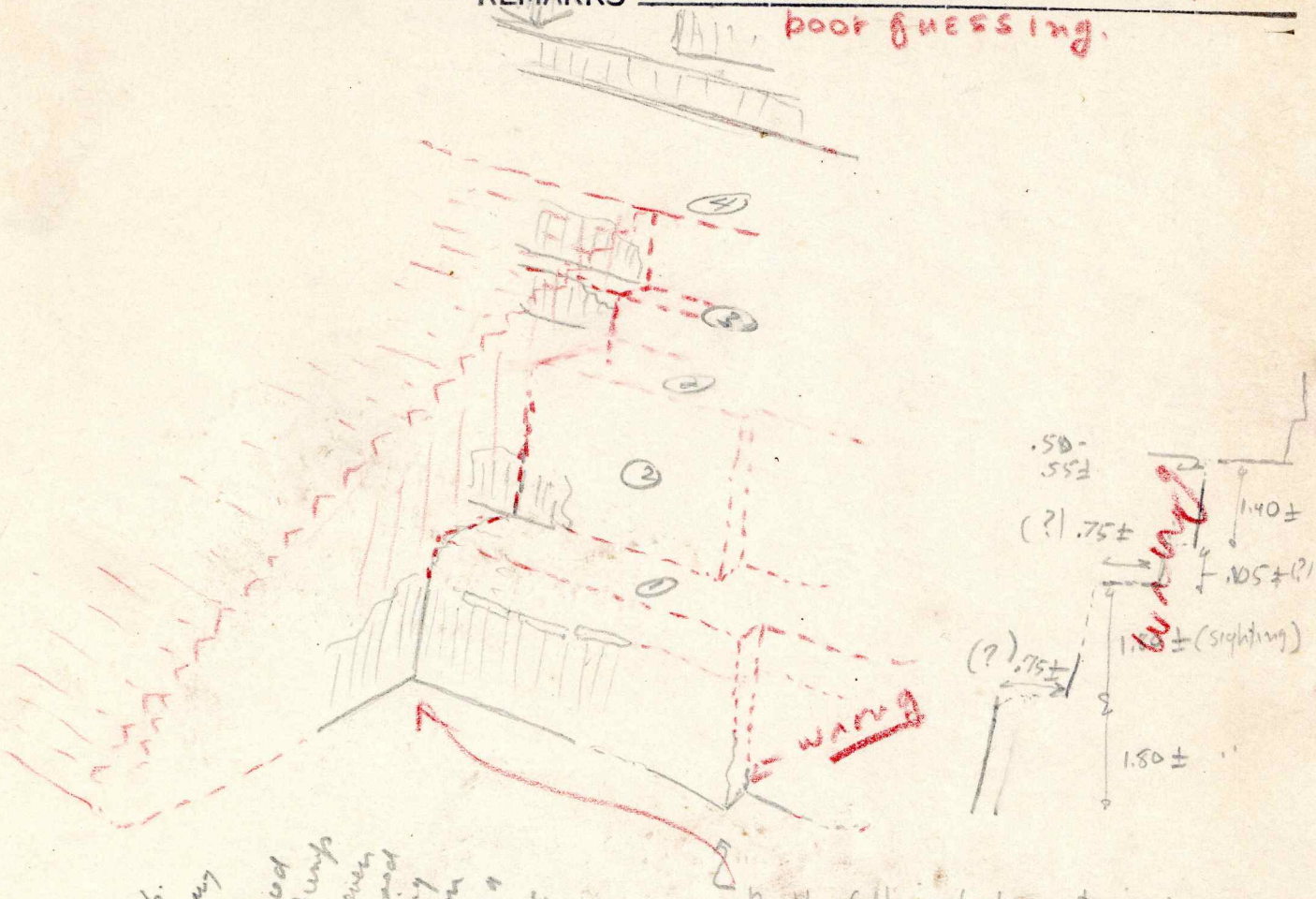
L55r

OP. No. S-22 MUSEUM CAT.

37-3

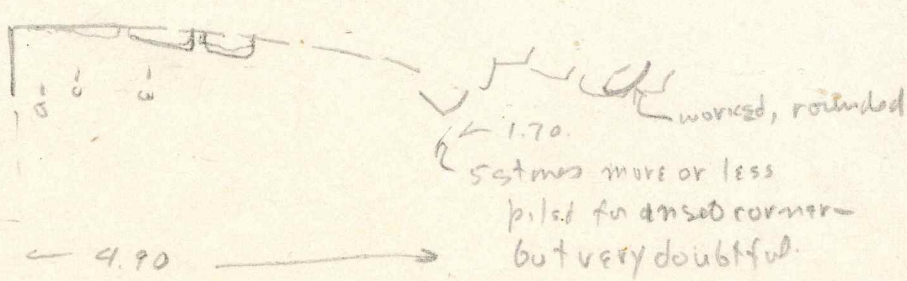
SCALE SEE PHOTO Nos.

REMARKS Preliminary sketch sheet - very poor guessing.



Badly falling but certain stairway side walls survives on against terrace ① only. Walls of terraces ②-④ survive only behind stairway (if it was as wide at top as it bottom).

Thus slopes noted in sketch. Begin to over hang .40 from story. Believe they also turned out by roots of stump behind & above - the even alphenence being caused by accident of placing 3 slabs side by side on same level, producing a good plane of cleavage.



PIEDRAS NEGRAS abril 1937 STR. R-10 R-10 1st Elevation Sheet

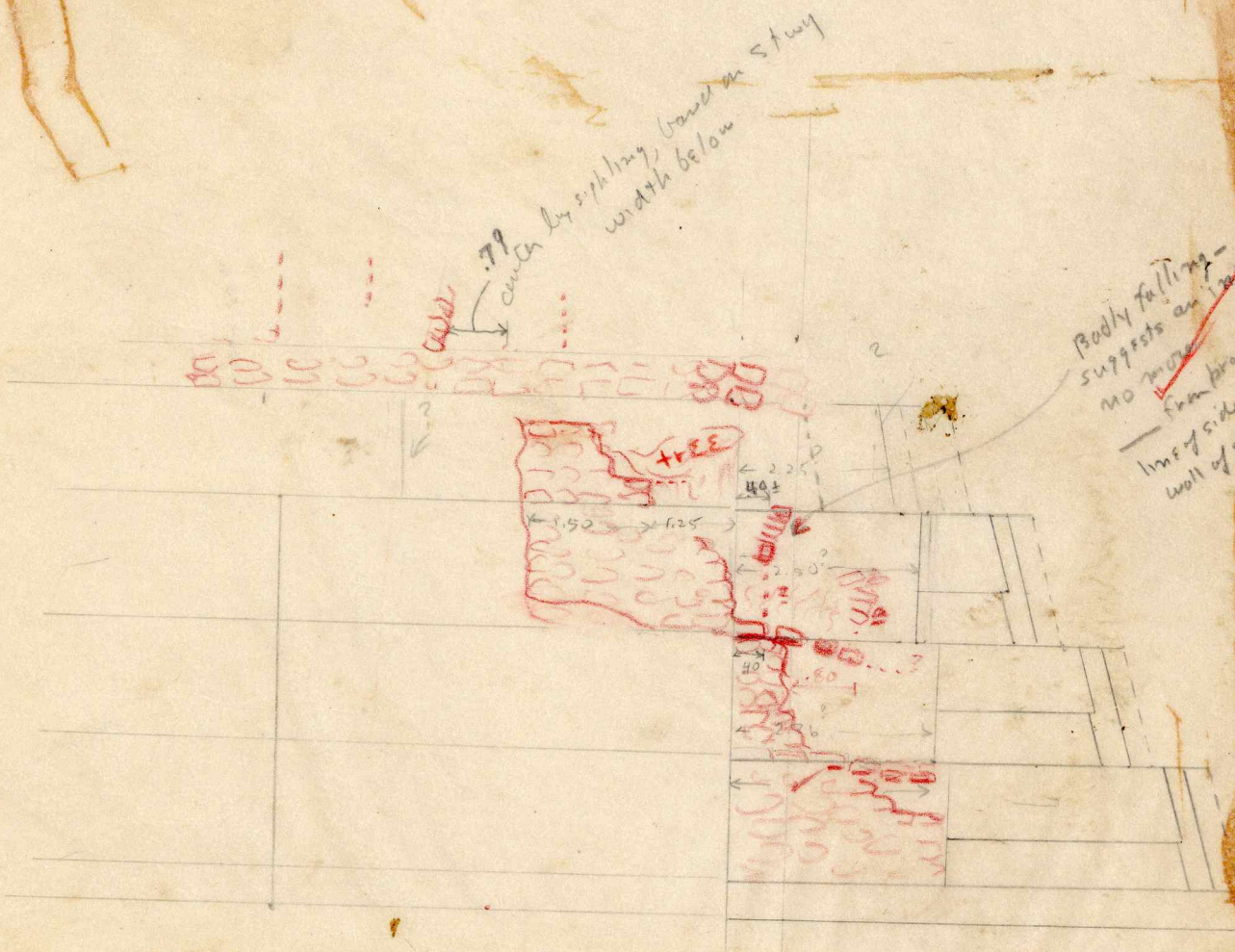
OP. No. S-22 MUSEUM CAT. ~~S-22~~

SCALE 1:100 SEE PHOTO Nos. 37-4

REMARKS 1st reconstruction in field, with added notes

Red = elevation notes – extent of surviving walls

a very doubtful corner check up

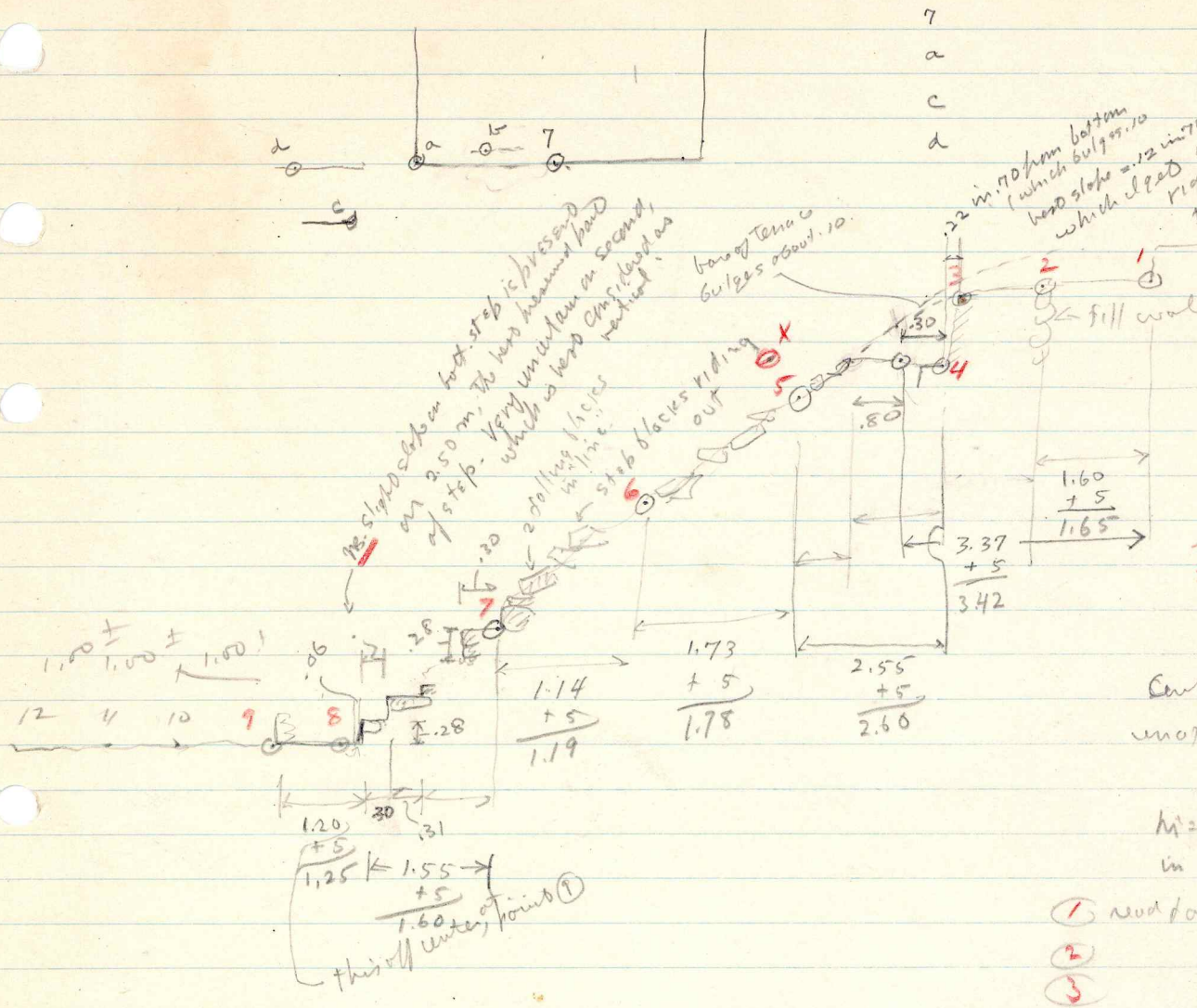


∠ sighted with stakes, .80 from stairway wall

R-10 1937

R-10
1937
25 Jr
37-5

Center Section?



Center section - debris unaffected by freeze

hi = 1.11 on same zero (first) in inner corner of room

1 Nod from 2.00 — 200 / 111 / -.89
2 2.05 h = -.05
3
4 3.38 (Stairs-dirt)
4½ 3.38 (Female).
X = 10 of 1st plan sheet. 3.62 — 362 / 111 / -2.51
hi = .12 above X = -2.39
5 1.15
6 2.83 — 2.39 / 3.80 / 6.19
7 3.80 (last 0.80 m road)
hi = .52 above hi. 7 = 6.19 / -.52 / -5.67
8 2.00
9 2.02
10 1.83 } sic. hood
11 1.53 } is uneven.
1.83

Hms A 4 to 8: Per 1st Plan Sheet Section!

2.60	Tenac:	3.79 ±
1.78	Stwy.	3.70
1.19		7.49 ±
1.55		12
7.12		37 diff
3.70 Stwy.		
3.42		

Plan Sheet 1

3 1.73 — 239 / 173 / 4.12
2 3.42 — 239 / 342 / -581.

forget it.

this section varies within .10 m so using .50 for 4 to 8 — 6.19 / 6.46

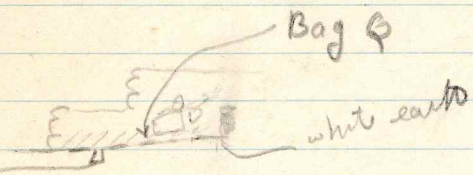
8 is -5.67 / -2.60 / 7.67
9 is -.89 / 6.78 = pipe height.

R-10 1937

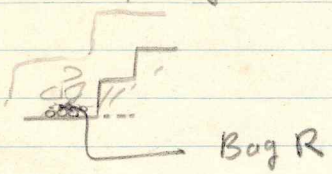
R-10 1937 L S Jr

37-6

Section about 7.00 ~~left~~ right of left side of stairway.



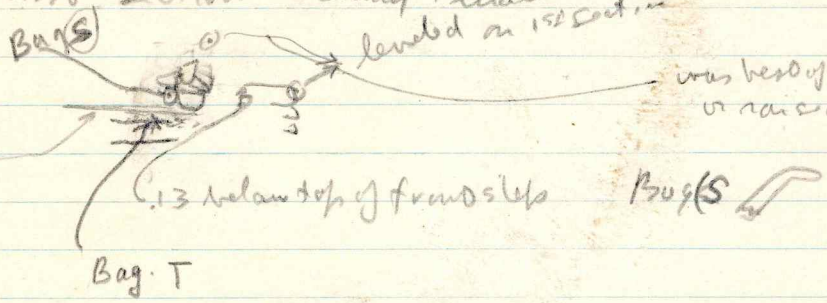
Sect. .75 right of stela 27.

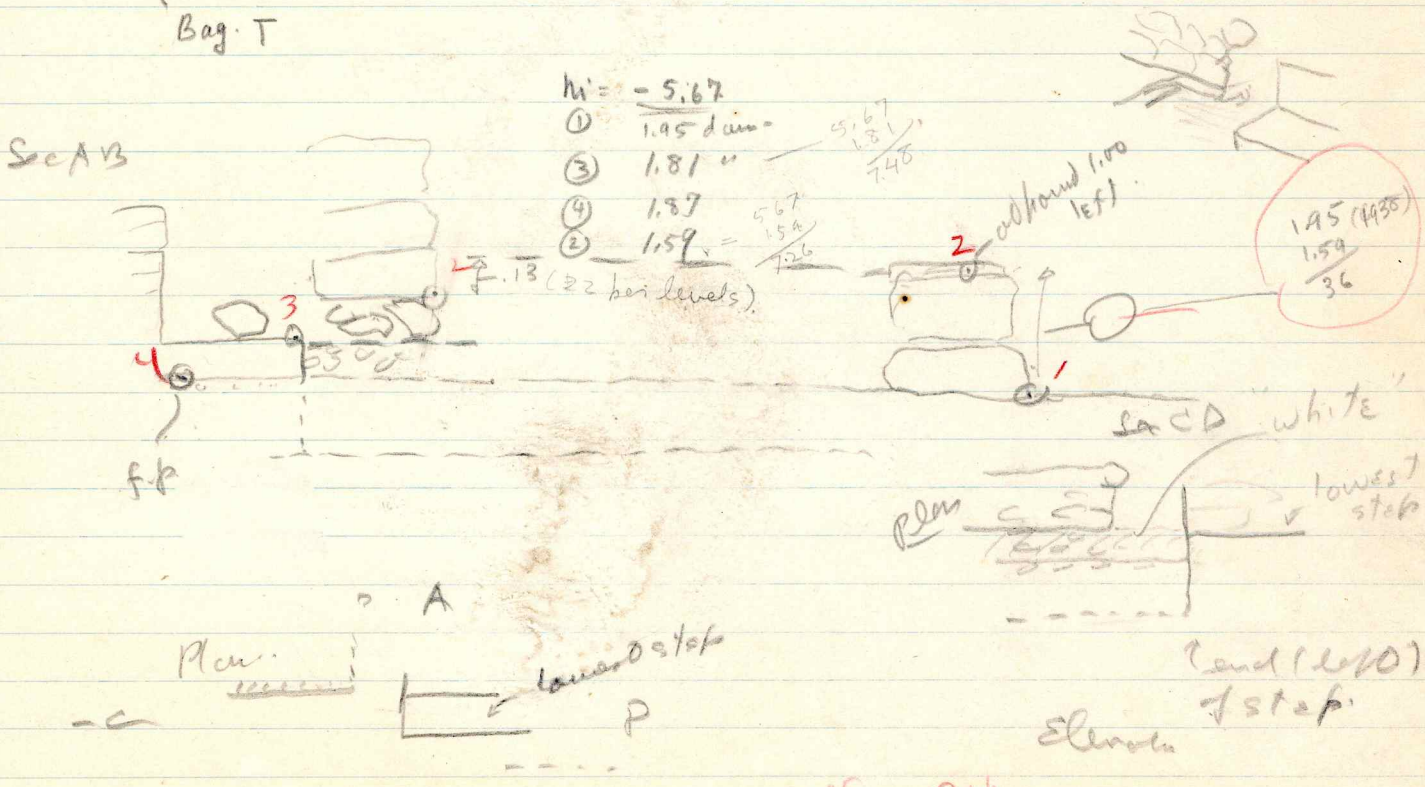


3 stand .05 above
1 on level of bluza floor which runs under stairway.

the same "S surface"

Revised Section Secondary Temple.





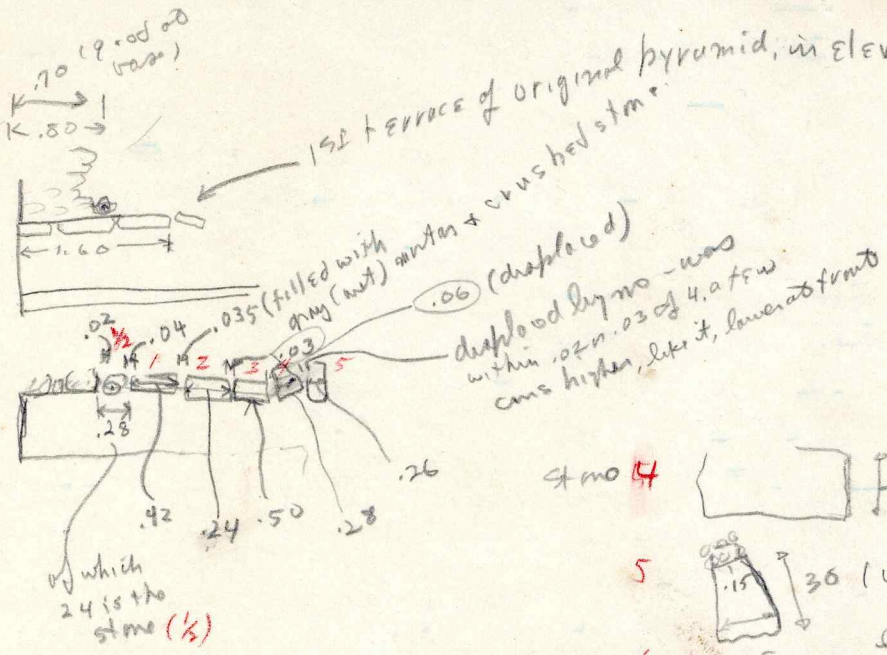
PIEDRAS NEGRAS April 193 STR. R-10

R-10
1437
LS JR
37-7

OP. No. MUSEUM CAT.

SCALE SEE PHOTO Nos.

REMARKS Plan + Section notes - "Buttress, left side, first terrace.

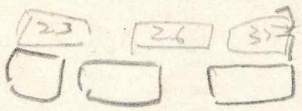


Figuring .02 to joint.

Good wall	.70
	.02
stone ½	.24
	.02
" 1	.42
	.02
" 2	.24
	.02
" 3	.50
	.02
" 4	.28
	2.48 minimum
	.02
" 5	.26
	2.76 very probable.

Note. The line (base course) bends out very little, drops about .40 beginning with stone 1.

Tomb of temple.



the order may be wrong - wrote them on a box in rain (5 mins ago) Best thickness

23
2
26
2
35
88

Query Sheet

37-5

R-10 - Check Sheet, 1937.

Dig

Top Terrace Wall
- is it surely vertical? — Side stairway
" " rest beyond stairway — outside all gone.

Dig out completely?

Secondary Basal Platform.
- follow ~~to right corner~~ (?)
or left " (?) OK. ~~Locate~~

Basal ledge follow, left side. (Photo first) OK

Look for outset on second terrace.

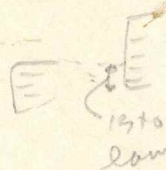
~~Locate~~
Measure of subsidiary platform?

Look for R-10-2nd (nothing certain at top)
- Plaza floor runs under orig. pyramid.

Look for raising of plaza floor:
a- runs under sec. terrace? shows
b raised again with latter?

Dig out ~~a little~~ line of wall of Pl. 20
Uncover with R-9 Plat. TAP

See if final terrace is: to side of center.



See other sheet

Measure.
See Rod checks.
Locate possible outset on 3rd terrace
good enough - see sod elevation
wall inside lower ones? (Nmo letto on right.)

Locate ✓ TAP

~~Locate OK~~

Measure.

Locate (no exp. yet) TAP
Measure lines of stones on second terrace. — See new sheet

Draw sections (tab terrace detail with brick) See new sheet

Check point (8) (plan)

Study all masonry
Ties.

~~OK. Locate pl. 15~~

Locate. TAP.

Center debris section
~~Stockring~~ Sect. A,
first sheet.

R-10
1937

R-10 Query Sheet.
1937

L S Jr

Query sheet
37-9

Tok. Bldg.

- bodly numbered nos of stones in end.

Fig for right side wall - should be about 1.00 to 1.20 thick - nothing left
- start at front.
- look for side outset at front cand ill
  - this shows no sign of rear outset?
    - indentation no
    - corner pilasters
    - side foundation mass?

Any hint of rear facade data? (see below) no

Locate
any rear points.
Measured drawing
cross section.
Bldg, Bldg Plan + dam rear of Pyr.

Plinth Terrace
- what does left line indicate?
  - side outset?
  - clean for section at end

Too fallen to yield any data.

Locate found on?

Pyramid

- Trench in at - 2.30 center rear to clean fill on 4th terrace wall. (Mid at approx 5.50 rear of inside front wall of temple.) - into rooms.
  - Draw section.

Answer stela shrd questions.

Clean up at end of study - draw. - plan + section
- bevels.

Draw Tumulus Pit.

study drawing

check stela terrace for [illegible] below?

~~clean + measure line of stones on 2nd terrace~~
~~Inset~~

check found (8).

Study all masonry.

- check all bonding.

Draw Sections

Measure stela:
"Col. altar"

Str. R-10

R-10
1937
LSJr
Stela Question
37-10

Stela Question

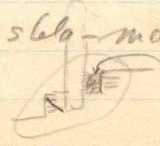
Both ends are rounded.
The outside end is eroded, like top & sides.
The inside (toward pyramid) is very well preserved, showing tooling.
- If a butt could be rounded, must have been worked, though, for no structural purpose.
∴ whatever the purpose, might call for good stone cutting.

The good preservation of butt end might be due to burial by wash from above.
- Maler has raised one side of stela only, about ____ cm.
- It broke down layer lot 1st terrace to ____ cm resting on it, & overlapping it about 30 cm.
- The lower side is ____ cm above lowest bloza floor on its low side.

It is ____ thick: Top is or is not as well (or better) preserved as bottom (or vice versa. ?) - I.P. ad bott.'

The upper level of stela terrace was about 1.30 wide, tending to step wash there; there was very little (see dbs section).
The raised position of the near end would permit washing around it, which, with small roots, should have caused maximum erosion at this end.
Maler considered the stone fell backward; mentions only the face "buried in the earth" & says nothing of excavation.
∴ Near end was not buried deeply if at all;
∴ & was subject to max. erosion.
(The raised position of near end is what would lead him to suppose it stood in plaza, falling back on the terrace; plus, probably, the unexcaved ∴ more obviously rounded end being there.

(Also side of Stuy a the wall of second lot "step" goes down .22 below top of the front one. ~~all though~~ we did not ~~find~~ note this behind stela.
Is it time farther on? ____ If so, stela might date from raising of lowest step; but not before the terrace. This peculiarity may be local - was not noted behind stela. The second step of orig. Stuy does something ____?
No evidence of stela ever found: its survival here (on lowest step) would be unexpected.
The second step was best preserved behind stela - noticeably so.
∴ perhaps supported long while by stela? ·



Search!

over

center line of stela

The stela lies slightly to left of center line, ab near end, near ab far end.

∴ far end was butt?

Locate accurately on plan

The "column altar" is now near far end

∴ far end was butt?

- But altar is well off center + has been moved by some agency, or else was not placed before stela + ∴ need not be in front of it.

If placed some distance to front, would not be under stela falling from terrace; but might be in Maler's way when he looked ab far end.

∴ May have been placed. bth the less (or more) than stela length from platform.

Look for it in plaza.

Stelae 25 + 26 appear to have fallen from terrace (higher one)

" 25 " " " " " " " ; its altar also

See 37-56 (Field) – the 2 lower early steps are intact (1 stone out) behind stela

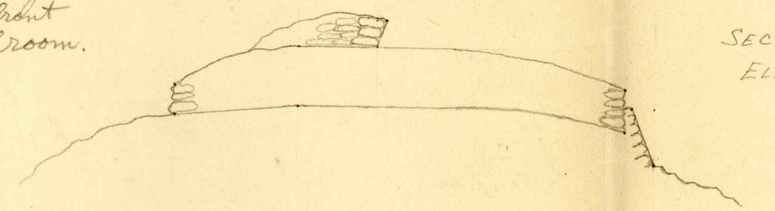
R-10 From 1936 notes

Scale — 1:100

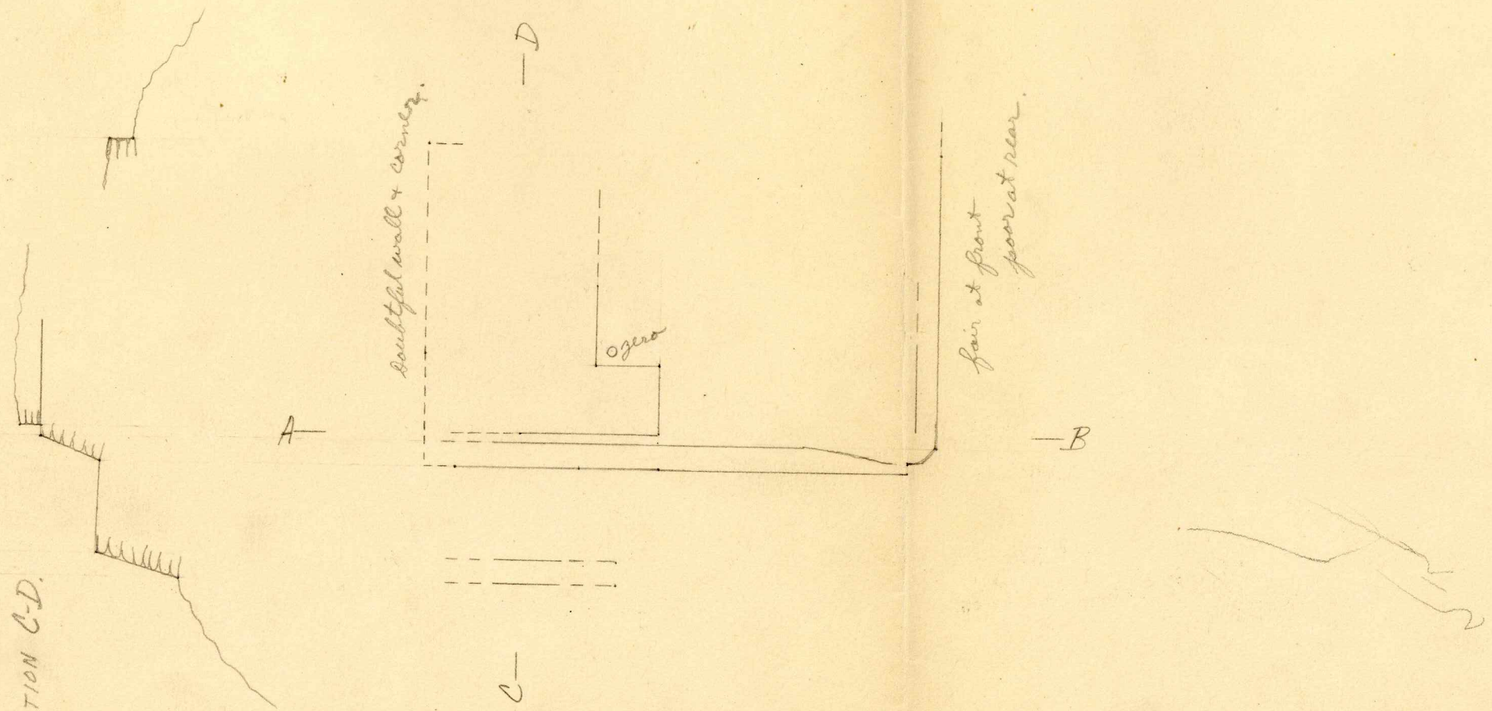
Rectified

hi. = 1.28 above floor plaster at right front corner of room.

hi. = 1.28 above same point.



SECTION and ELEVATION A-B.



SECTION C-D.

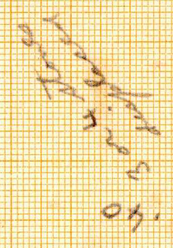
R-10 6/13/36

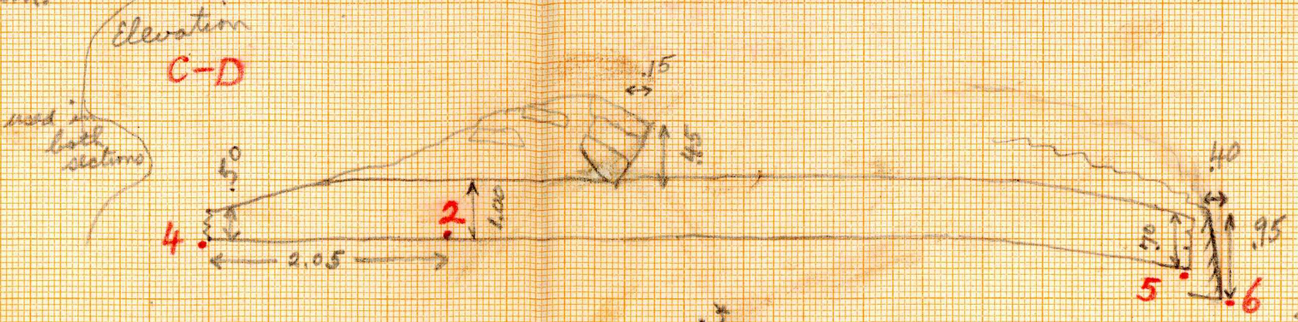
36-2

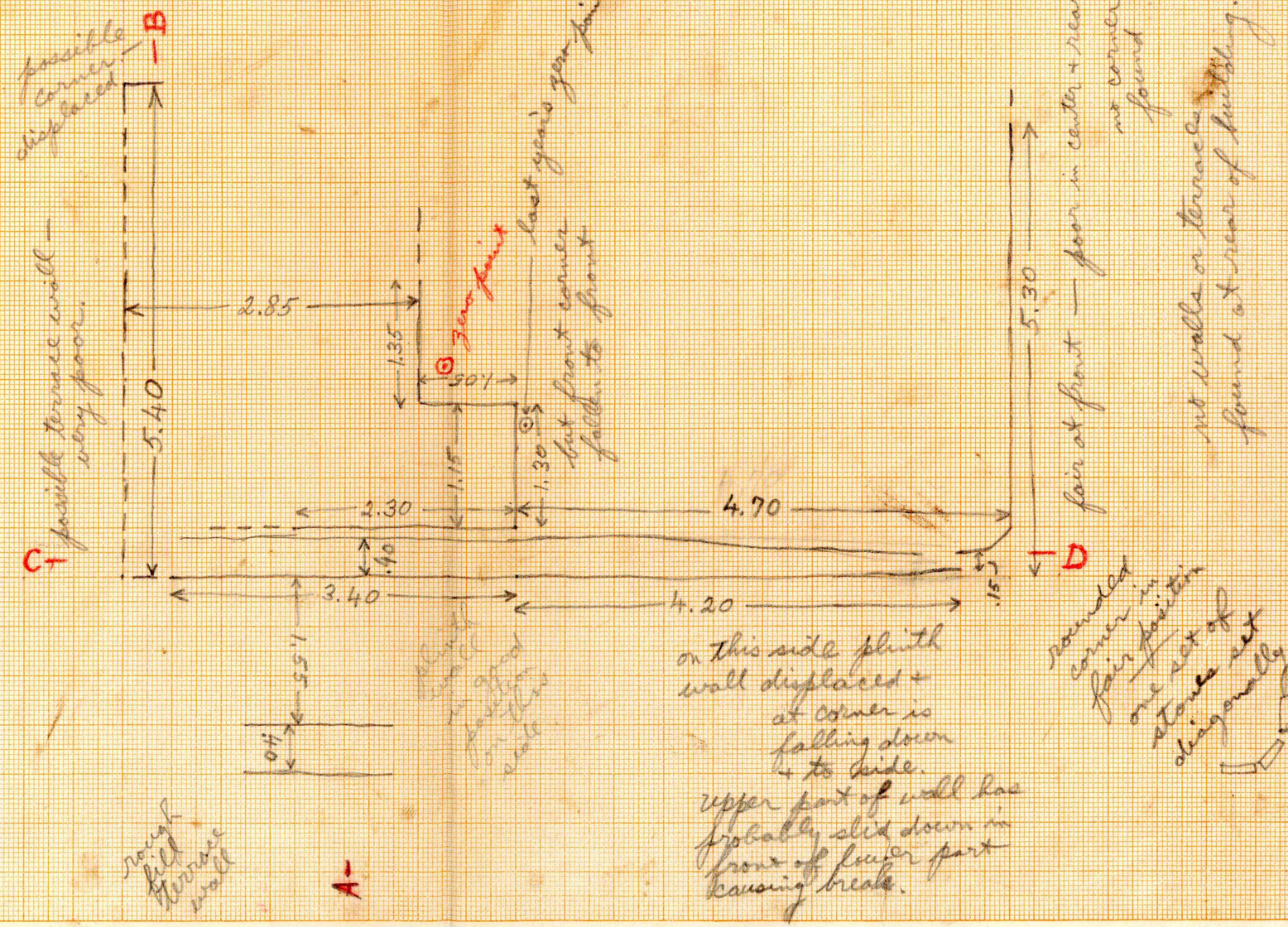
Ni. = height above floor plaster = 1.28 at bet. front corner of room.

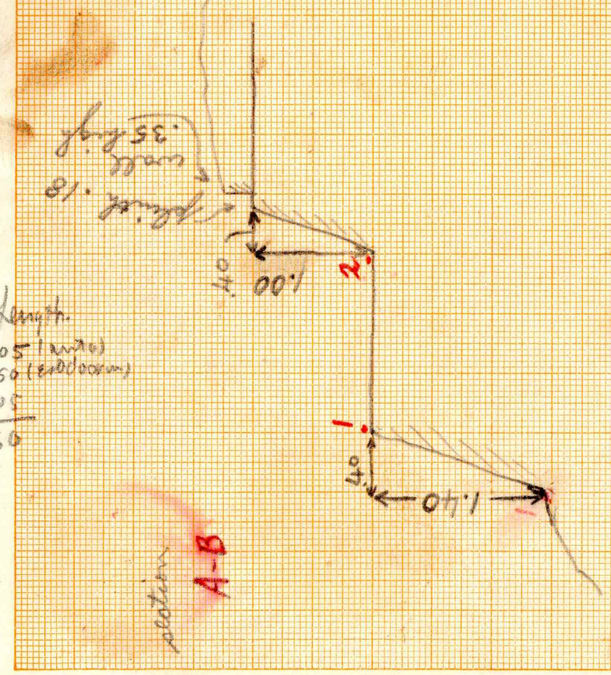
Last year's zero point in doorway = 1.42

1.	2.11
2.	2.15 – used in both sections
3.	2.62
4.	2.33
5.	2.51
6.	3.05









Est. In Length.
1.05 (ants)
1.50 (est. door)
1.05
3.60

R-10 36-2

1936

CRESSON

PIEDRAS NEGRAS 5/18 1936 STR. R-10

OP. No. MUSEUM CAT. 1936 F.Cv.Jr

SCALE SEE PHOTO Nos. 36-3

REMARKS

May have layer of gravel above floor — should investigate for possible beam + mortar roof. Gravel may be floor itself.

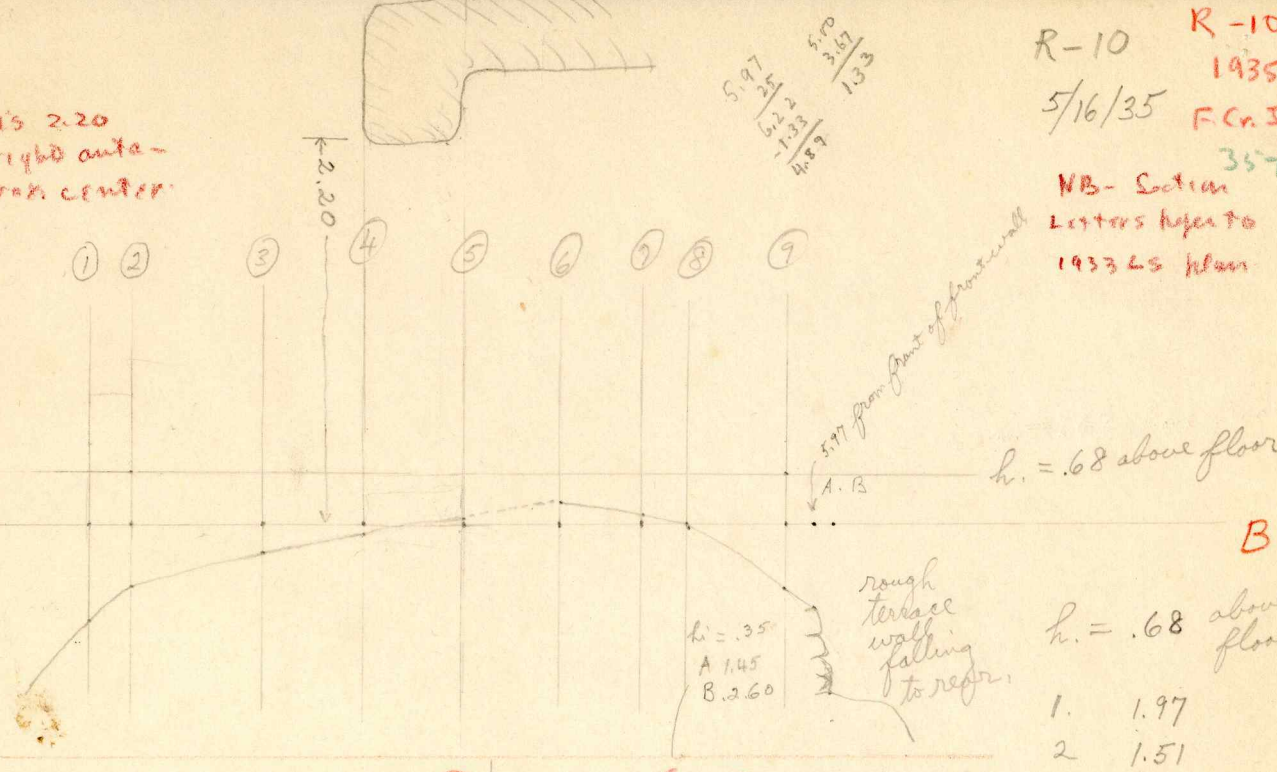
Gravel is floor itself — good floor surface was found at rt. front corner of room, with plaster, then small stones, then embotido. Gravel in center of room is below this floor surface.

R-10
5/16/35

R-10
1935
F. Cr. Jr
357

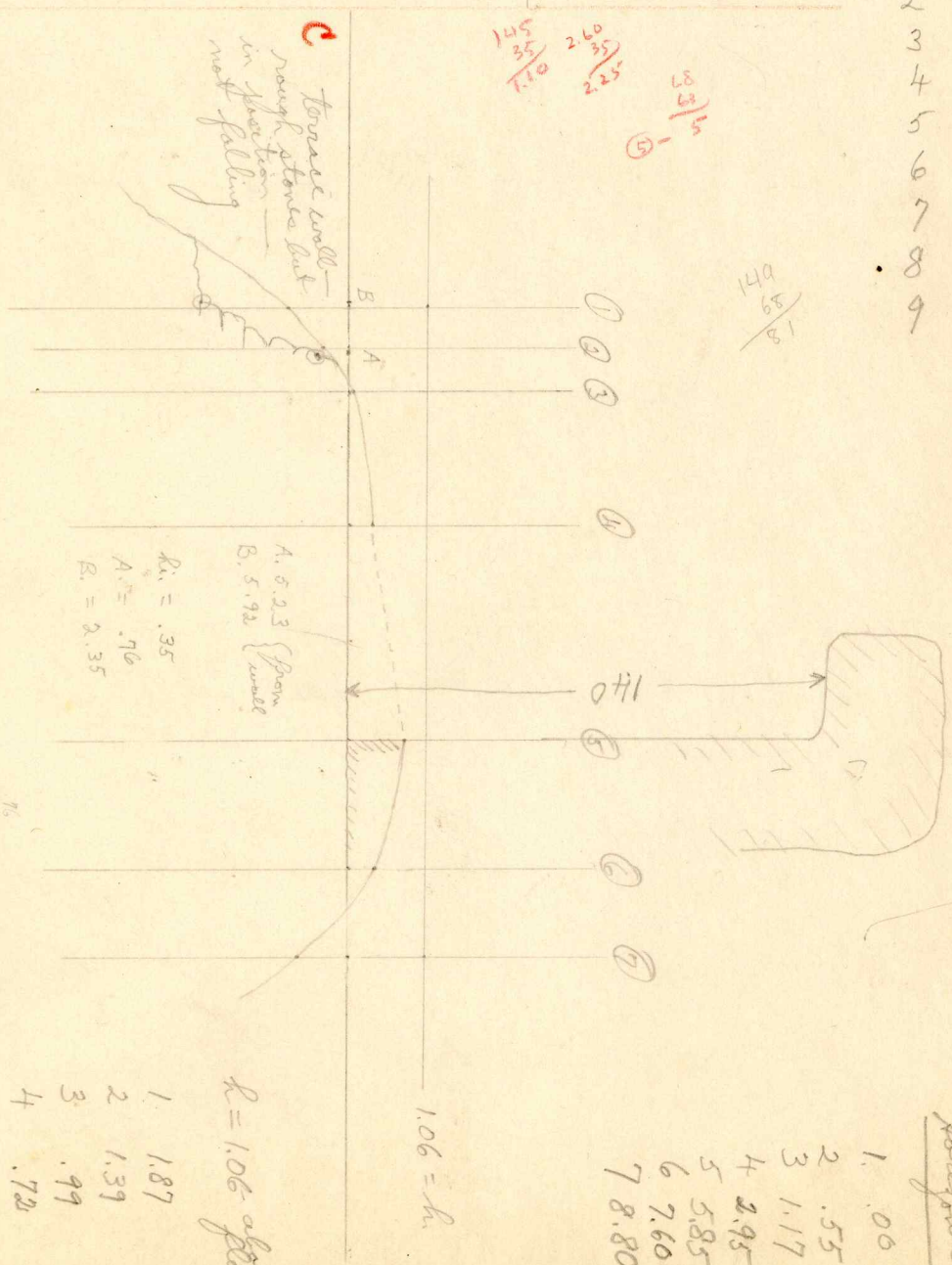
Section is 2.20 left of right ante-r.p. although center

WB- Section Letters hyp to 1933 LS plan



Horizontal	
1	.00
2	.58
3	2.32
4	3.67
5	5.00
6	6.25
7	7.35
8	7.95
9	9.25

1.	1.97
2	1.51
3	1.06
4	.79
5	.63
6	.37
7	.54
8	.71
9	1.49



1	1.87
2	1.39
3	.99
4	.72
5	.31
6	.66
7	1.72

h = 1.06 above floor

R-10
5/16/35

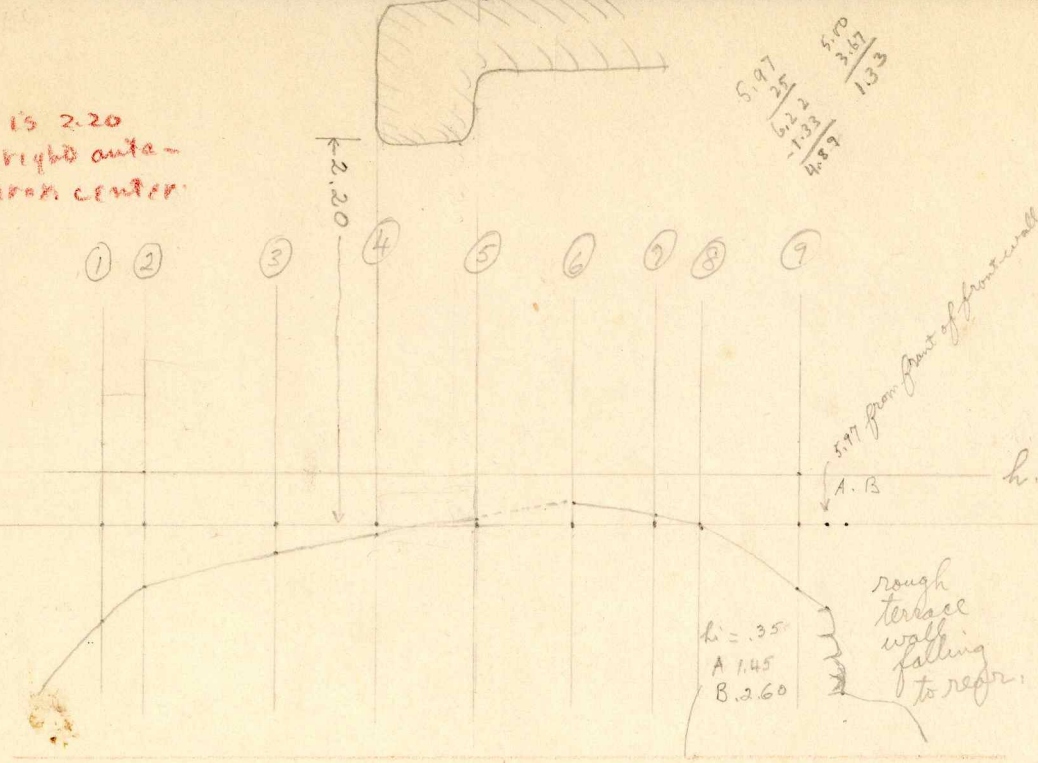
Horizontal	
1.	.00
2	.55
3	1.17
4	2.95
5	5.85
6	7.60
7	8.80

R-10
5/16/35

R-10
1935
F. Cr. Jr.
354

Section is 2.20 left of right auto-
ref. although center.

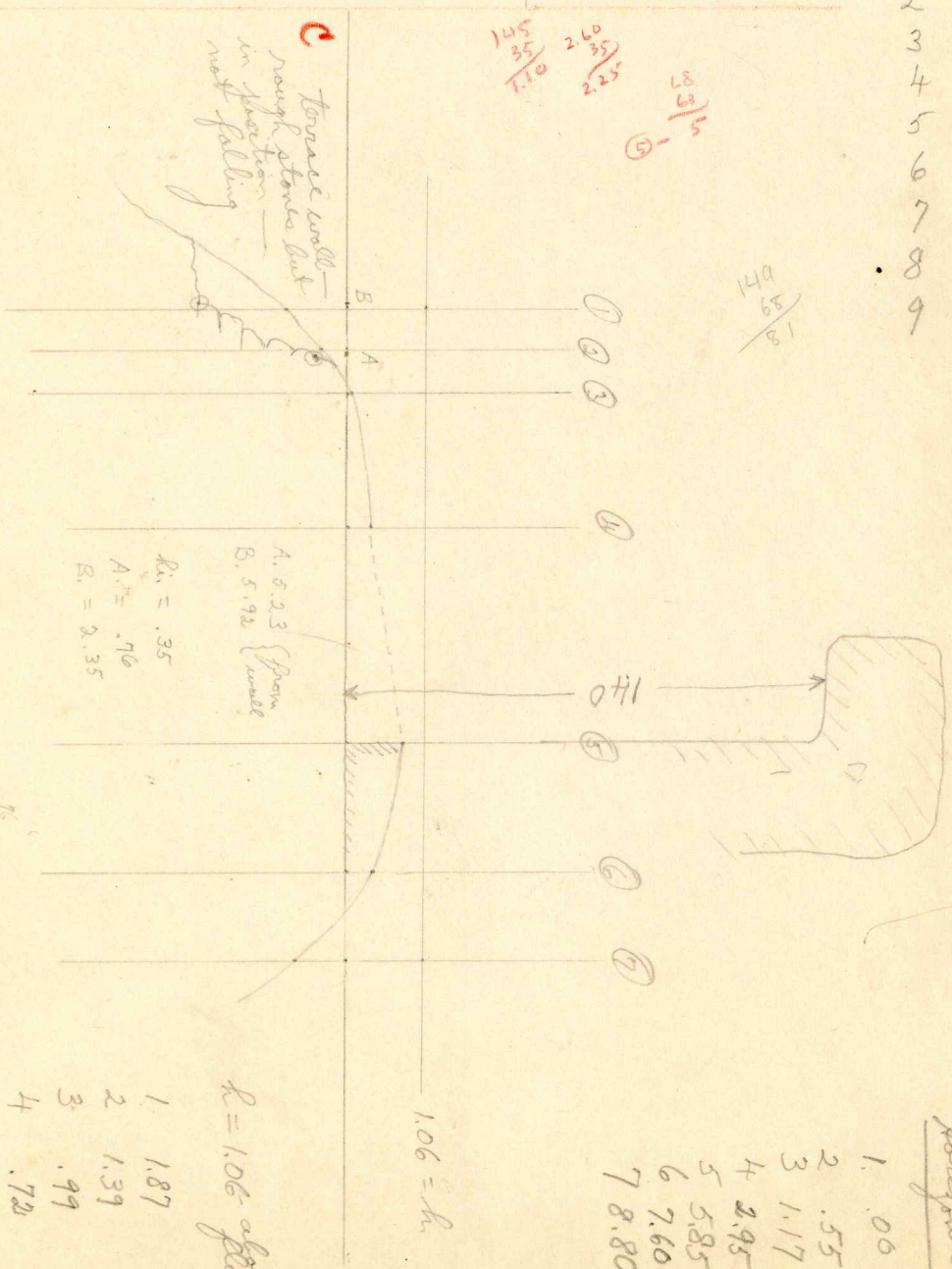
WB- Section
Letters refer to
1933 LS plan



Horizontal	
1	.00
2	.58
3	2.32
4	3.67
5	5.00
6	6.25
7	7.35
8	7.95
9	9.25

h. = .68 above floor

1.	1.97
2	1.51
3	1.06
4	.79
5	.63
6	.37
7	.54
8	.71
9	1.49



h = 1.06 above floor

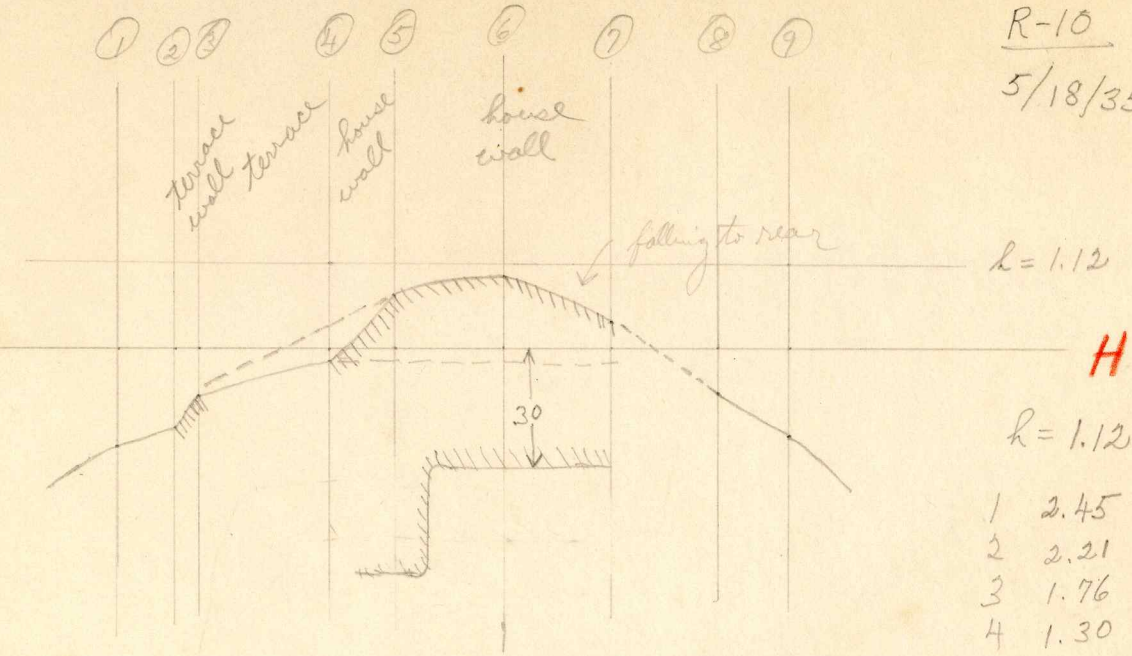
1	1.87
2	1.39
3	.99
4	.72
5	.31
6	.66
7	1.72

R-10
5/16/35

Horizontal	
1	.00
2	.55
3	1.17
4	2.95
5	5.85
6	7.60
7	8.80

R-10
5/18/35

R-10
1935
F.C.Sr
35-2



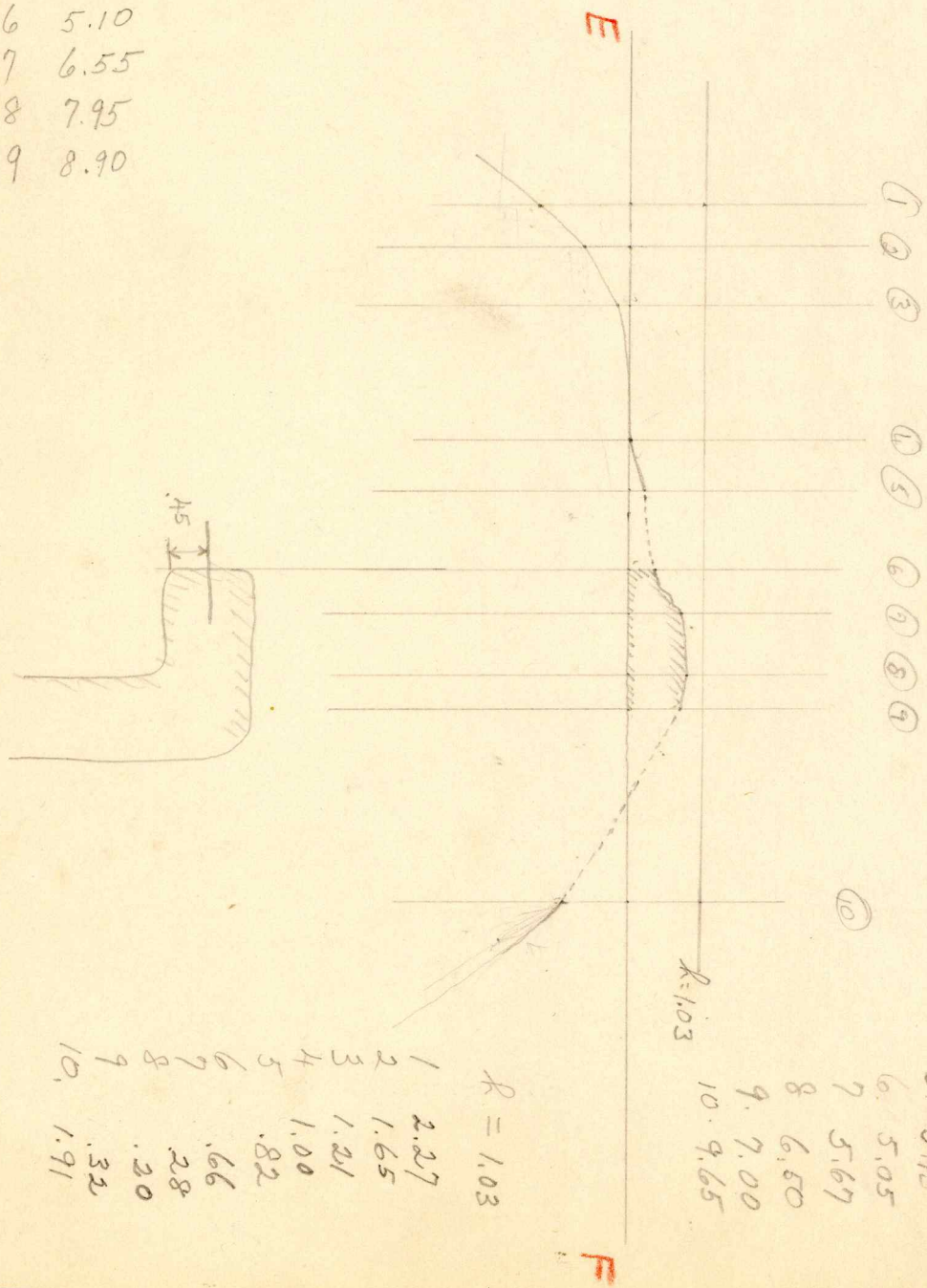
Horizontal

1	.00
2	.75
3	1.07
4	2.80
5	3.68
6	5.10
7	6.55
8	7.95
9	8.90

h = 1.12 above floor

1	2.45
2	2.21
3	1.76
4	1.30
5	.41
6	.14
7	.75
8	1.72
9	2.27

hi. is bottom of wall on right side of front doorway



1	2.27
2	1.65
3	1.21
4	1.00
5	.82
6	.66
7	.28
8	.20
9	.32
10	1.91

h = 1.03

Horizontal

1	.00
2	.60
3	1.40
4	3.25
5	3.95
6	5.05
7	5.67
8	6.50
9	7.00
10	9.65

R-10
5/16/35

R-10

1933

L5Jr

23-1

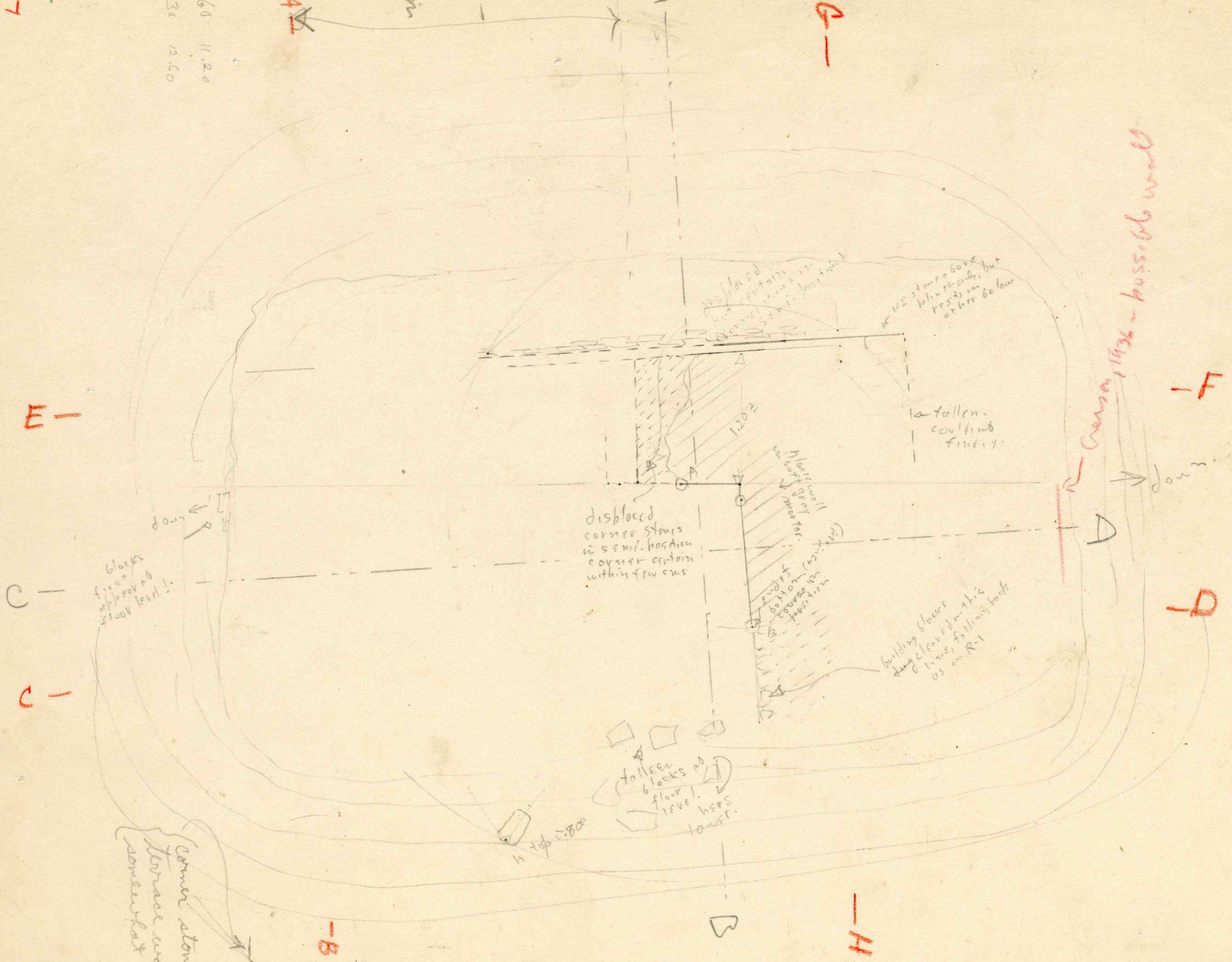
Sft R-10 · 1933

Scale .02 = 1.00

3.60 11.20

6.30 12.60

2.20 to 1935 Sketch



1.50 1.33

3.00 2.66

3.70 3.00

7.40 6.00

2.70 3.52

5.40 7.04

1.80 3.25

3.60 6.50

1.50 2.75

3.00 5.50

4.80

9.60

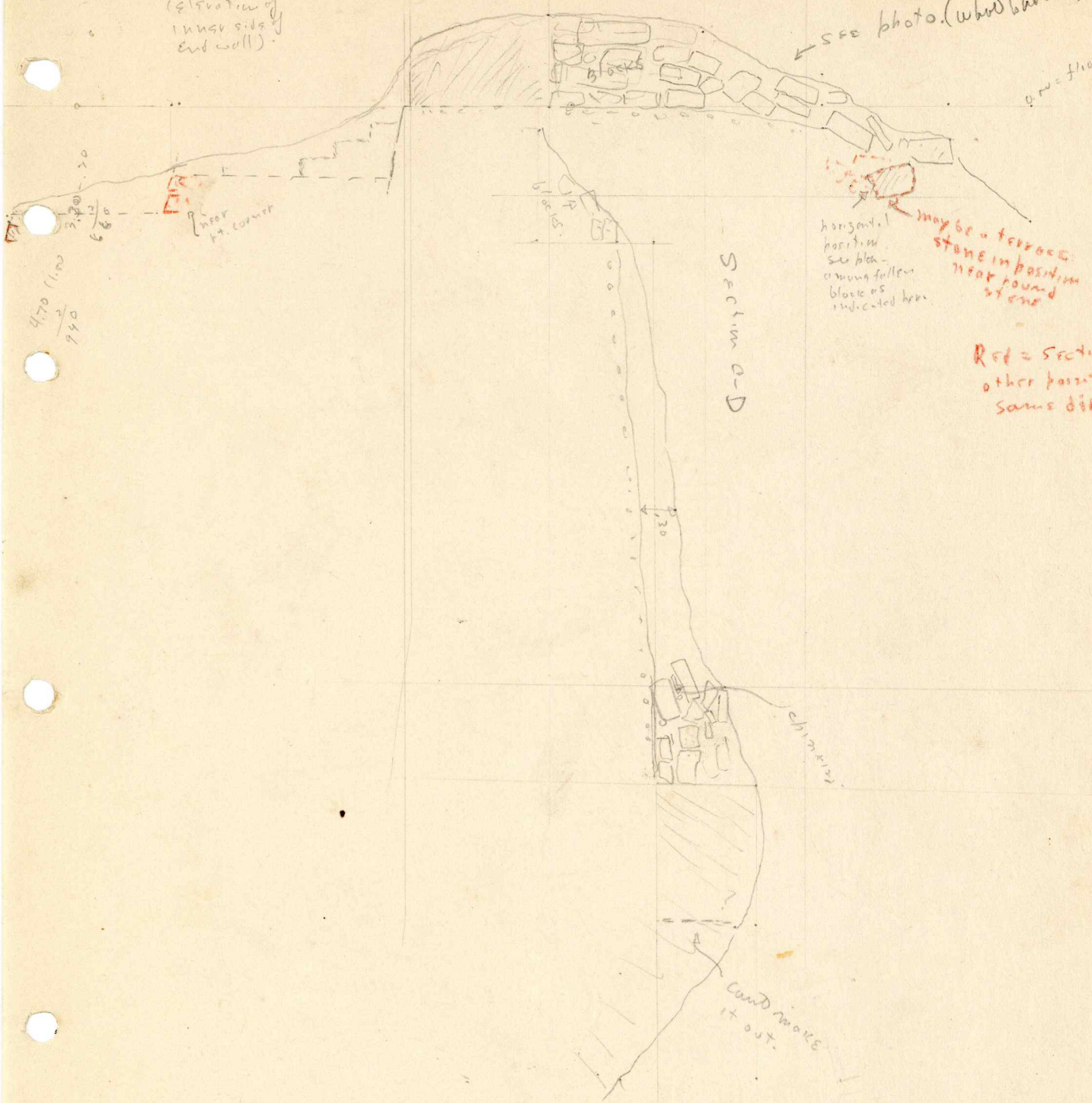
R-10 - Sections
.02 = 1.00

R-10
1933
LS Jr

3.30 / 660 = 4
.30 = 1.00

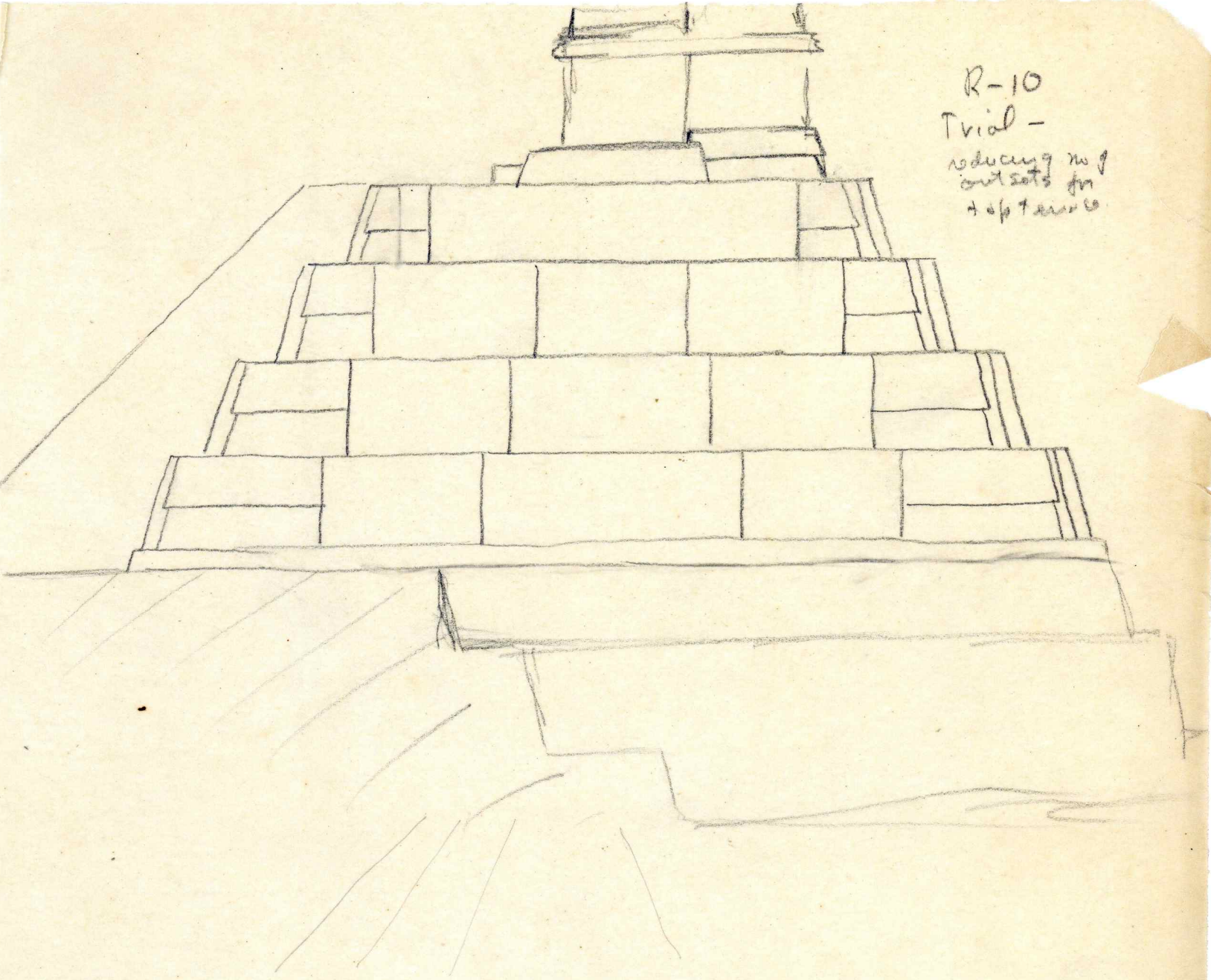
33-2

Section A-B
(Elevation of inner side of end wall)



Red = Sections and other points, same direction.

470 / 940


R-10
Trial -
reducing no of
outsets for
top tower