

5-29 - Nov 1956

Dating 2 caches w. the
Mid. Phases.

5-29 Fairly convincing evidence:

S. 11 (and much or even more of Temple) date from
to ward Floor 3 - and remained in use.

∴ Column altar & its cache probably date with Phase D,
the earliest.

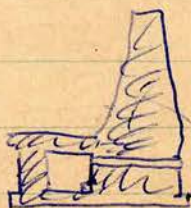
The pot & coin (Coll. 5-29-2) was intrusive in
through Floor 2(a-b) and Floor 3; and probably
intruded during the use of Floor 2 (ev. - pottery &
plaster plug).

These floors seem of Phases C and B; since
the pots were through them, they belong with
B or A - almost certainly B (because of the
recognizable plug of 2-ab level).

5-29-2 cache = Phase B (fairly sure) (A possible)*

5-29-1 cache = Phase D (highly likely). *

(∴ roof)
Phase A: original facade removed or left for stamps
of "antae" and piers, new ones built to support
Volute Ped - hammer index at site.



Ph. D

23

see note to photo 36.212.

It is clear that Floor 2 ab-b where very close,
and within the room high standing to belong
with Phase A; but 2(a-b) turn-up in doorway
and to Phase B. Floor 2a turn-up to remaining masonry
not found. Photos show it might belong with
Phase B, or not (collecting would have showed
the turn-up).

See card "Riches" - Uxul (A.P.).

Reference Note 2-.

529

1936

at Museum; from sketch:

h₁ = 300.

$$\begin{array}{r} h_1 = +17 \\ \text{read} -47 \\ +17 \\ \hline h_2 = -30 \end{array}$$

$$\begin{array}{r} \text{read} -3.19 \\ +17 \\ \hline h_3 = -3.02 \end{array}$$

$$\begin{array}{r} \text{read} -3.22 \\ +17 \\ \hline h_4 = -3.05 \text{ (clean top)} \\ -10 \\ \hline \text{new hi.} = -3.15 \end{array}$$

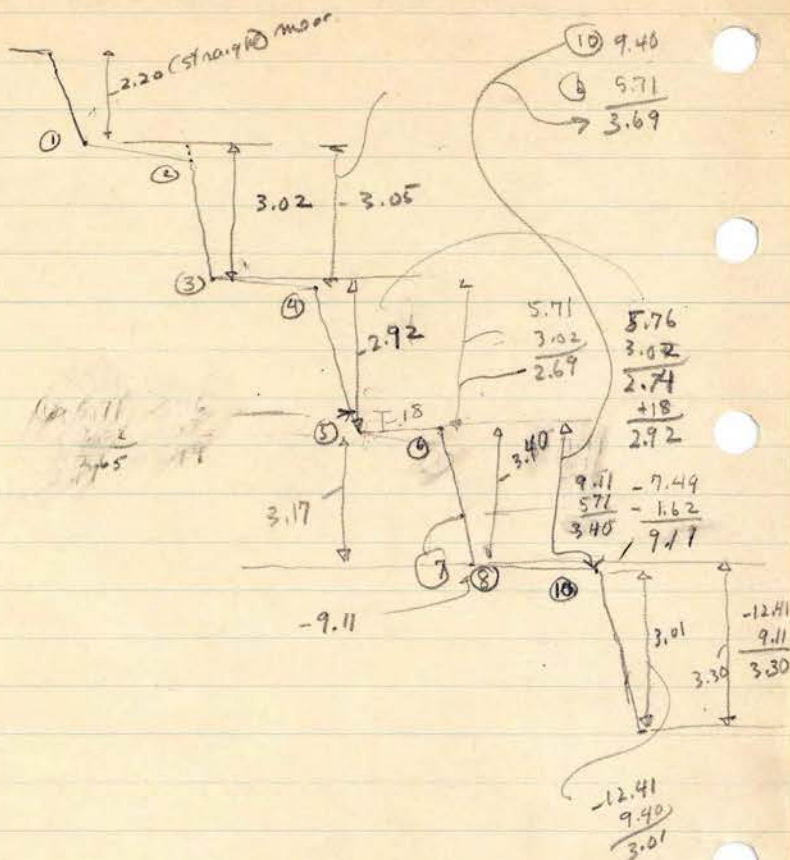
$$\begin{array}{r} \text{read} -2.61 \\ -3.15 \\ \hline h_5 = -5.76 \\ -2.56 \\ -3.15 \\ \hline h_6 = 5.71 \end{array}$$

$$\begin{array}{r} \text{new hi. from pt 5} = -5.76 \\ \text{read down} +65 \\ \hline h_i = -5.11 \\ \text{read} -2.38 \\ -5.11 \\ \hline h_7 = -7.49 \end{array}$$

$$\begin{array}{r} \text{read} -3.26 \\ -5.11 \\ \hline 9 = -8.37 \text{ (ref. point)} \\ \text{read} +15 \\ \hline \text{new hi} = -8.22 \\ \text{read} -1.18 \\ -8.22 \\ \hline 10 = 9.40 \\ \text{read} -3.13 \\ -8.22 \\ \hline 11 = -11.35 \\ -1.06 \text{ (direct measurement)} \\ \hline 12 = -12.41 \end{array}$$

odd

2.20 (total error)
14.61 Pyth. height
(Scale to 14.58 on 1934 Section)



12.41
2.20
14.61 (from 14.58 in 1934 Section)

For reconstruction: 7 snow heights, bottom up.

$$\begin{array}{r} 5 \text{ ft} = 2.20 \text{ (Pyth.)} \\ 4 \text{ ft} = 3.05 \\ 3 \text{ ft} = 2.92 \\ 2 \text{ ft} = 3.40 \\ 1 \text{ ft} = 12.41 \\ \hline 14.87 \text{ (from 14.50, 1935 levels)} \\ -1.18 \text{ (allowing for as telescoping scaling)} \\ \hline 14.71 \text{ (class error)} \end{array}$$

Average snow heights

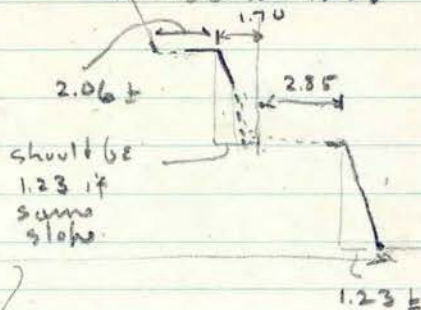
$$\begin{array}{r} 9.37 \\ 3.30 \\ \hline 4 \mid 12.67 \mid 3.17 \text{ for 4 ft.} \\ 2.20 \text{ (last no.)} \end{array}$$

3.29 Record Figures

See over on
Slopes.

Pyr. slope

terrace widths:



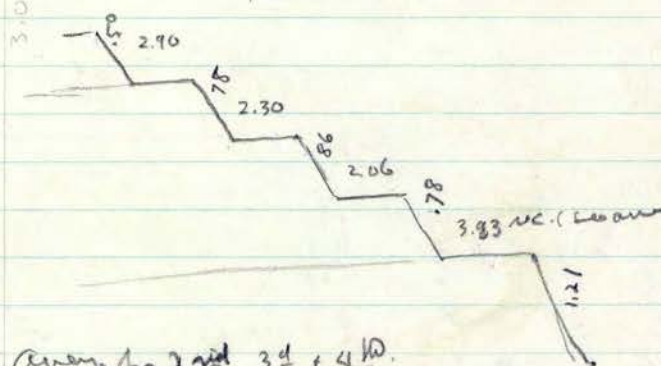
1.70
2.85
4.55
- 1.23
3.32
2.06
1.26 diff.

Choc with 1935 approximation.
15.50

My 1939 meas. of terrace widths subject to consid. error (points in terraces not opposite each other).

2.85
1.23
4.08
x 4
16.32
+ 90
17.22
15.50
1.72 too much

← slopes 70 in
1.71
(1st terrace
rt of stuy.
good slope.



.50
2.90
.78
2.30
.86
2.06
.78
3.83
1.21
15.22 ch 15.50 in 1935

away for 2nd 3d + 4th.

2.90
2.30
2.06
3 7.26 242 ←
12
13

My 1946 lang. meas. + slopes seem fairly accurate.

For 1935 record: 1st terrace width = 3.80
others = 2.40

← 70 in 2.20
1.25
(50 ft. 103) in 3.01
(150 ft. 100)

2nd Grade,
reconstructions:

15" Tenac with rotations:

using slope of 1st -	3.33	15 or 60
(not too good slope)	3.68	"
4th	3.83	"
5th	3.93	"

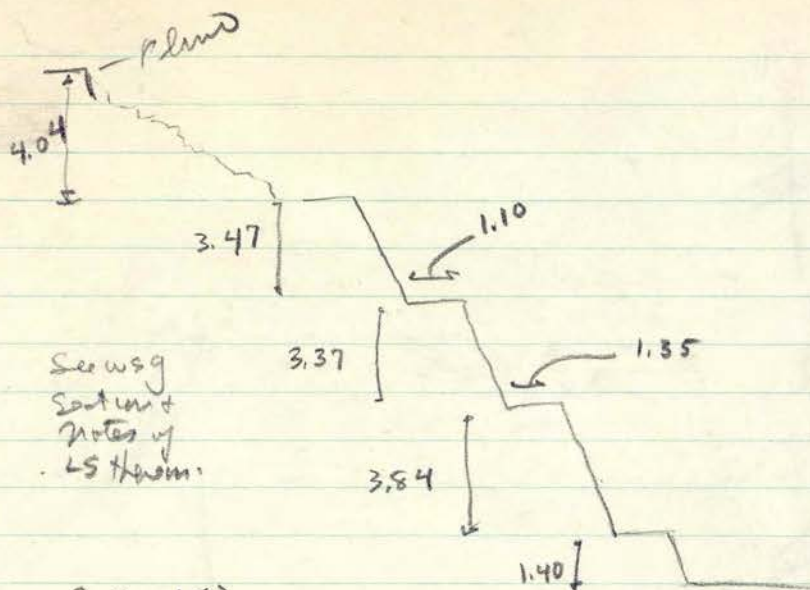
Take 414th slide (in middle of 3
upper ones.

Tanaka width as 3.83

SDops rock in
the teneb
scales .78.

$$\begin{array}{r} 240 \\ 170 \\ \hline 4.60 \end{array}$$

R-16 - record Figures Levels



R-16 - 1st

$$\begin{array}{r} 3.47 \\ 3.37 \\ \hline 3.84 \\ 10.68 \\ \hline 1.40 \\ \hline 12.08 \end{array} \quad \left. \begin{array}{l} 3.47 \\ 3.37 \end{array} \right\} - \text{av. } 3.42$$

R-16 - 2nd

$$\begin{array}{r} 3.37 \\ 3.84 \\ \hline 7.21 \\ \hline 1.40 \\ \hline 8.61 \end{array}$$

Trench widths

1st - 1.35 (measured side, in buttressed place)

- Plan, survey colls for same at front. - a good solid figure.

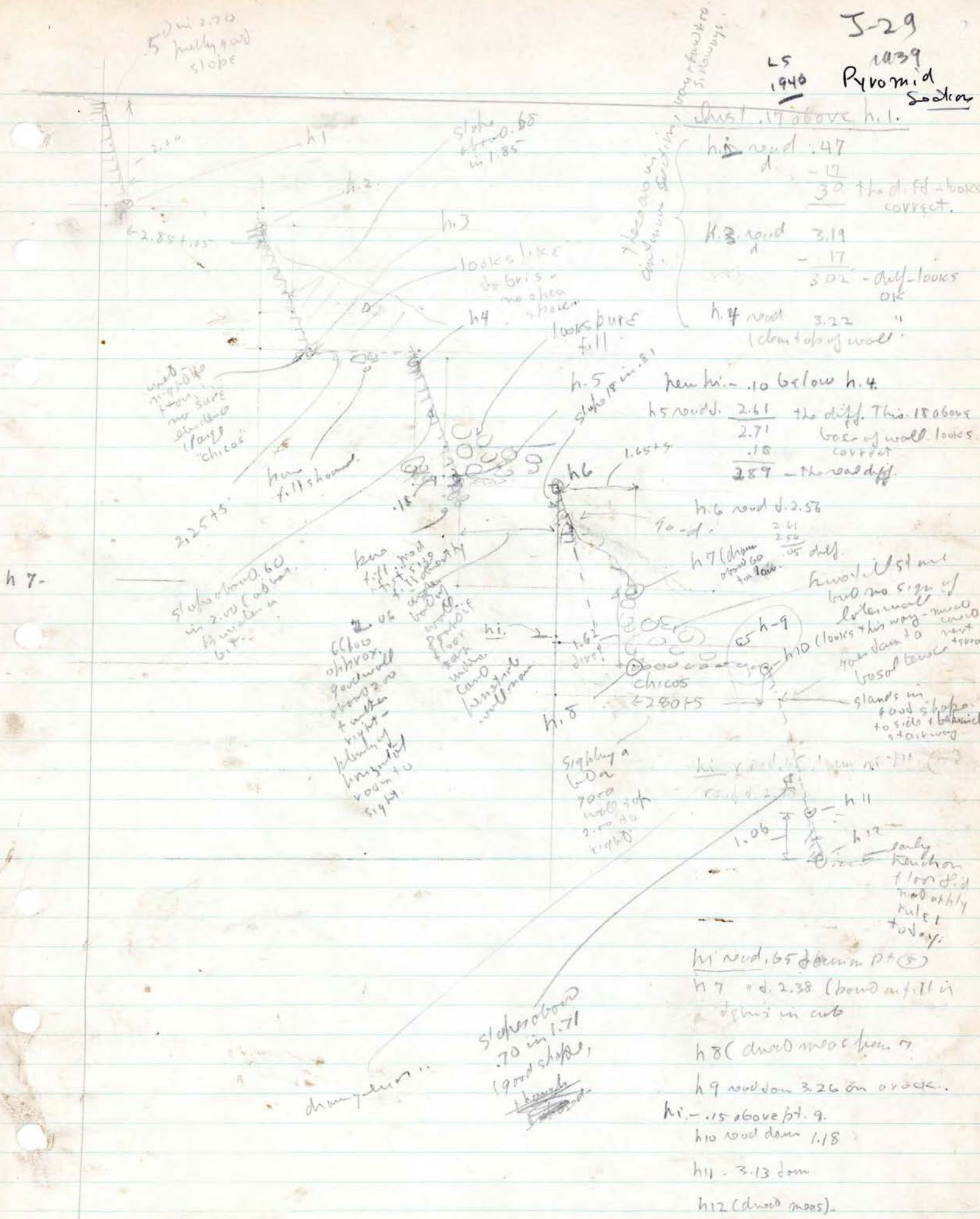
1.35

1.10 - measured at of string only.
coll is 1.35 for reconstruction purposes.

J-29

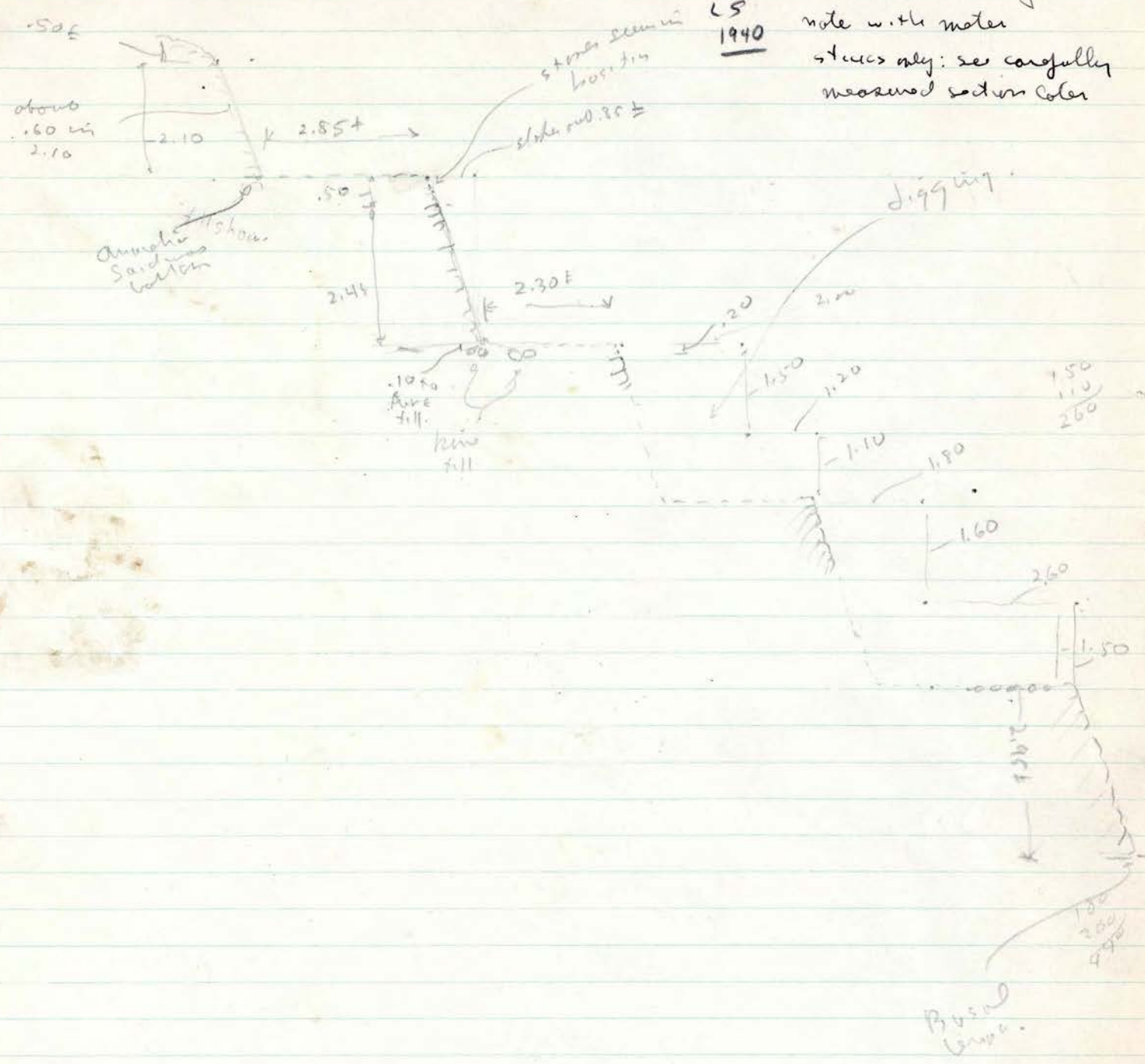
LS
1940

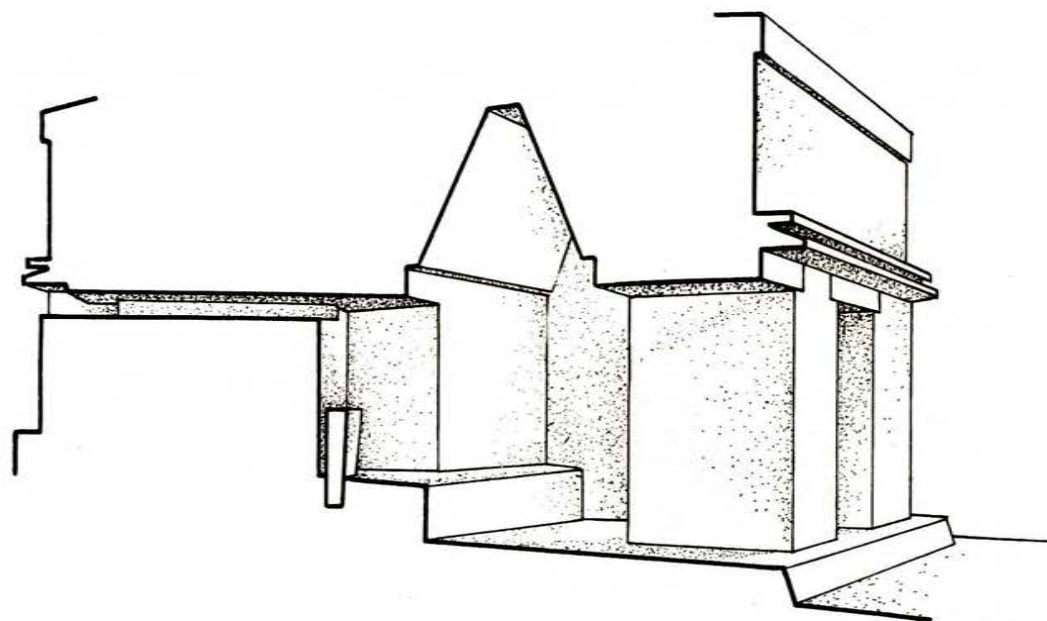
1939
Pyramid
Section



J-29
LS
1940

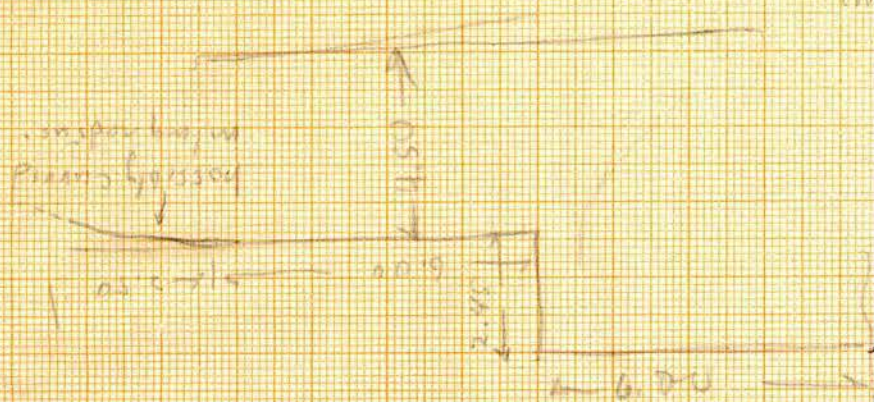
(Quire measuring
note with meter
sticks only: see carefully
measured section color



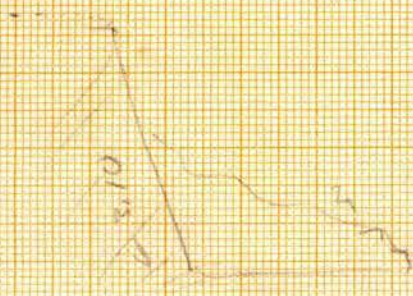


J-29

Small rough
measurements,
sketch only.



Other corner of
pyramid.



NB 1940: apparently failed to
note late work on corner of hyp. which
showed it going around pretty
definitely on a longish radius

near cor. $\frac{6.00}{2.50}$
 $\frac{8.50}{8.50}$

used for
corner $\frac{1.00}{9.50}$ stay to corner:

to this
Estimate
suggested
stay stand

12.00 wide, which = estimate two times
 $\frac{9.50}{9.50}$
 $\frac{31.00}{9.50}$ stay to corner:

Parish shows this is width
of 35.00 on plan
Probably same stairway under them
 $\frac{1}{3}$ of width

OP. No. _____ MUSEUM CAT. _____

SCALE _____ SEE PHOTO Nos. _____

REMARKS ⁺³ Floor 2 Sections.Sample 1 about .20 behind left pier. Floor 2

Upper section, floor 2 A (?), apparently 13 mm. thick; top to bottom

1. upper surface, sandy, soft, little mortar

b. very thin, .5 mm, dark finishing plaster, hard

c. softer white line, 4 mm to 4.5 mm

d. darker, 2 mm. (1 mm in places), hard, generally darker but especially dark on surface

e. thin, .5 to 1 mm, lighter color, but dark surface, hard little softer

f. thick, 5 mm, slightly darker, a dark surface, soft + lining.

(See second study on separate sheet,
showing ten floorsSample 2 Near cache Pot (rt side, more or less center of room). Floor 3
apparently only one floor with thin dark finishing plaster surface
of dark color.Sample 3 Behind rt. side of rt. pier, .20 from of rear sill.

See separate sheet

PIEDRAS NEGRAS May - June 1936 STR. 3-29

OP. No. _____ MUSEUM CAT. _____

SCALE _____ SEE PHOTO Nos. _____

REMARKS Floor 2 Sections

Sample 4. Behind rt. pier, .30 from of rear sill.

Sample 5 about .30 behind rt pier.

Study of cement floors, continued.

Sample 1, specimen 2.

Upper section, floor 2 A(?) apparently 13 mm thick.

1 upper surface, sands, soft with little mortar, indefinite thickness

Top to bottom

1. Thin layer, 1 mm, whitish with fine black surface. Relatively soft

2 " " 1-1.5 " " " " " " Hard

3 Thicker " 2-3 " " " " " " Relatively soft

4 Thin " 1 " grayish " " " " " Hard

5 " " 1 " " with thin white upper slip & (Possibly 2 floors)

dark surface. Hard. Difficult to separate from 6

6 Thicker, 1.5-2 mm. Whitish, softer.

7 Very thin .5 mm

8 Thick, 2-3 mm, white

9 Thin, .5-1 mm

10 Thin, 1 mm, whitish, soft, dark surface

Beneath this, soft yellowish earth with white slip & dark surface of Floor 2 B.

Sample 3.

Many floors. Maximum thickness 25 mm 21-22 mm.

Apparently 8 floors of considerable thickness

Upper to lower, under layer of very soft gray, probably
bad dirt.

1 Very thin white, .5 mm, no black surface noted.

2 " " .5 " " " " " " "

3 B Thin " 1 mm to 2 mm " " " "

4 " " grayish 1-1.5 mm

6 Thicker whitish, 2-3 "

7 " " 2 mm, with thin grayish surface slip

8 " " 2 "

9 grayish 1-2 "

10 Thick white 5-6 "

Then floor of 2 B with dark surface & easy cleavage

Over.

Sample 4

12-14 mm thick, floors thinner & less obvious.

T of to bottom

1 white with gray surface 2.5-3 mm

2 " " dark " , then .5 mm

3 " " " " " 1 mm

4 " " " " " 2.5 "

Below this point is difficult to make floors come apart

Second test, Sample 4; tested from ~~top bottom to top~~ top to bottom

12.5 mm thick, apparently 8 floors.

1. uppermost, then, white, gray surface, 1 mm

2. " " , dark " , thin white slip .5-1. mm

Floors will not split off easily & seem to be very irregular except 1st & last. Counters in section seem to be

6-8 floors. 8 certain & possibly 2 more in uppermost section not noted here.

Sample 5, ca 20 mm. thick. Irregular floors of uneven width & levels. T of to bottom.

1. Thick soft upper layer, probably soft upper floor, not combined in other sections.

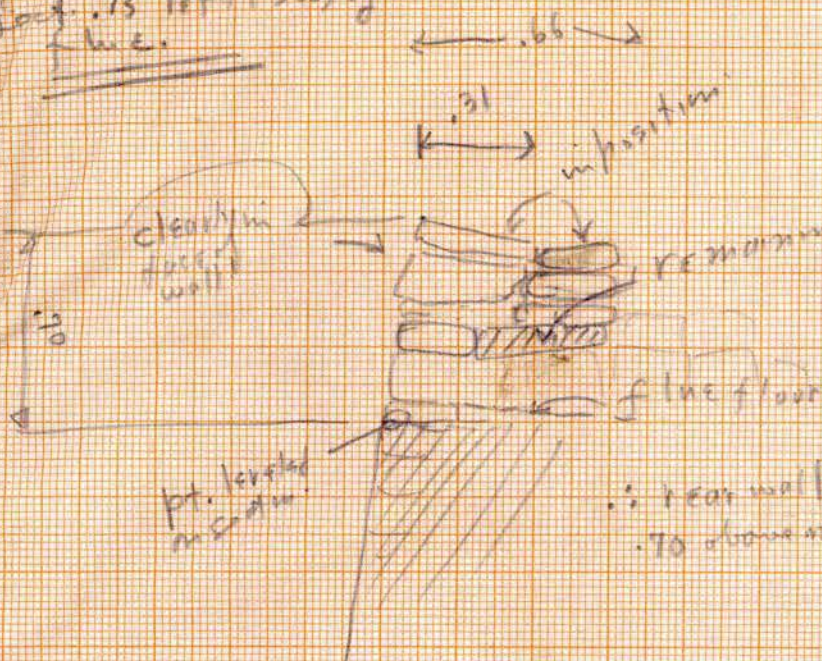
2 Thick white 1-2 mm thick, dark surface

3 " " " " "

As in sample 4, floors will not split apart, but seem to be 7 to 8, very irregular. At least 8

J-29
1936

sect. 15 left (SW) of
h.e.



the cap had bottom to level of top of this .32 ± above my point. The wall now extends with very slight displacement, 1.30 above the bottom of the floor (missing) covering slab.

∴ rear wall extended at least .70 above my point, or about

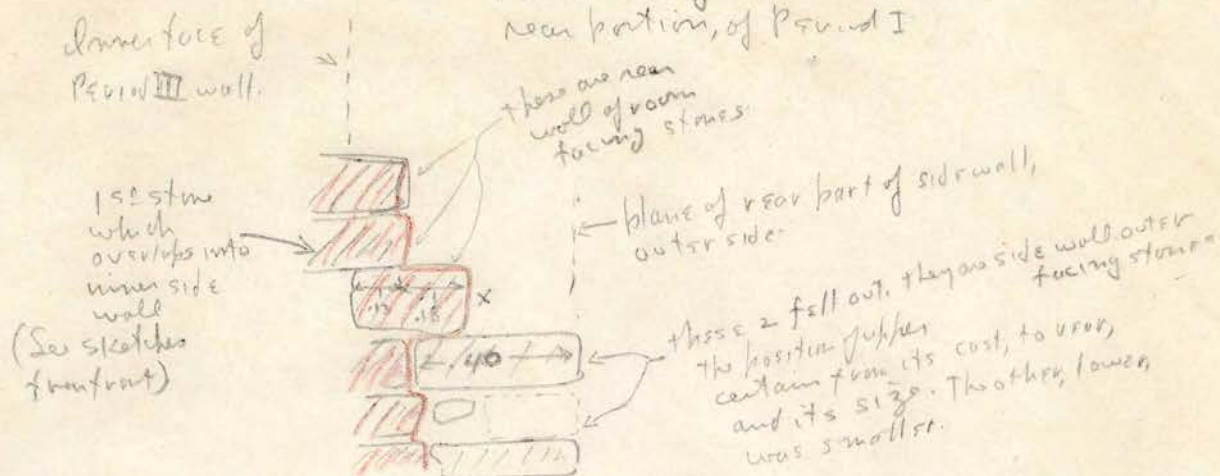
Presumably the same condition on other side of floor - wall stone, in line with foreground, extend back about .30 only, & rise to about same height as here. To get the height, must measure .80 to top of floor. as on left (SW) of SW side of floor.

The floor did not rise to underside of cornice in front of it. The rear cornice was higher than the vaulted spring in room & niches - probably than front cornice (I.P. material molding).

OP. No. _____ MUSEUM CAT. _____

SCALE _____ SEE PHOTO Nos. _____

REMARKS Evidence for contemporaneity of
rear wall of room with outer side wall,
rear portion, of Period I



Rsd = rear wall of room facing stones. This is not an expected silhouette if this wall if the side wall was split, the outer facing being torn off. The stone at x should have fallen: and the generally vertical silhouette is unlikely.

The stone of this wall as this hand overlaps forward of this hand:

from memory:



T-29
1936

Masonry Period I.

Wall stone - same as rear wall (probably reused from Period III).

Built up differently:

Chinking - plentiful slot. The slots are longer than in rear wall.

They are used habitually to give bearing to wall stones, as in later phases.

Vertical chinking occurs.

Chink stones are used to fill spaces more than in rear wall; lay ones are especially used in adjusting to old construction (see drawings).

Mortar - .02 to .04 thick between stones. - but nearly always this space partly occupied by slot chinks.

~~Chink slots~~

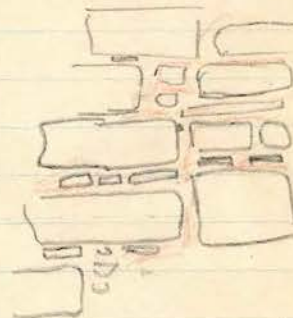
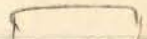
of int. side wall. This is not truey left side wall, where the available depth permitted blocks & ~~longer~~ thicker slots.

Crushed stone is included in mortar between stones.

The section is:



Elevation:



left side.

The above applies to piers, anteal, side walls; and to secondary niche, so far as it could be expected to. The preponderance of horizontal slot chinking is very marked.

The stone in

Mosby

5-29

1936

Period II

(Substratum only)

Does not differ materially from P. III substratum except very large
blocks do occur, though rarely.

Masonry notes.

S-29

1936.

The stones are flat on face only.

also squarish.



Rear Room Wall - There are many ^{long} heavy blocks; occasional long slots
fair amount of chinking, vert. + horizontal - The chime slots are
seldom thin.
They are used to fill spaces; to level up a block - but seldom
more than an under a block.

Rear

Mortar thickness - .01 to .03 between stones.

There ~~is~~ is crushed stone in it, rather sizable - i.e. not really small, but
like usual floor chime - ~~too~~. Stones were usually given
bearing with this.

The section is:



chime

The above applies to P. II end wall, except there are no long P. II
remains (but big thickness on that); & mud enough remains to
describe chinking; applies to original mid. walls

The stone in rear wall is remnant of south group substructure

A very large block occurs in P. II sub. terrace ad room - as in R 3
chinking. But this is not the rule.

Terracing:

Blocks, mostly fairly regular. And as large as S. Group
Selected long slots for bottom of moldings, worked edges occurring.
on ad. front corner, blocks - on left, nearly all slots. Panel corner
combination of both ad. it; nearly all blocks ad. left.
Front corner same. No

Rear buildy wall: long but not very long blocks; square blocks; occasional
small slot. Very little chinking & only with irregular shells.
ad. corner, nothing but slots & this carries from here around to second ad.
corner. This shift in stone is very marked; but not more so than ad. left
front corner of sub. str. & as sub. str. is not consistent. It occurs .70 ad.
rear left corner. This masonry shows 2 cases of doubt small slot chinking
against now seen in all of rear room wall. The rear wall fits
stone lowered corner from this point to 1.20 + and center, where it
rises slightly to full present height. Panel rebuilding of side walls
around to rear is a possibility. But the at side wall (out side) shows 3
cases of heavy slot chinking (or use of light slots); & the tie in of stones
proves it contemporary with rear wall of room. The possibly seems out, the chinking
there is not regularly more than on rear room wall - except that the slots lie
mostly under the stone, & broad distinction is in quantity, & in multiple chinking

no chinking
to show off.
Mortar has
been crushed
stone.

very little heavy chime occurs, as noted on outside P. II walls which are only little heavier.

Wall Bonding Notes.

I-29
1936.

See elsewhere; the rear room wall is bound to P. II side wall very well - 1st 2 stones above sill; then 3 end vs side wall; then 2 over laps it. Nothing more left.

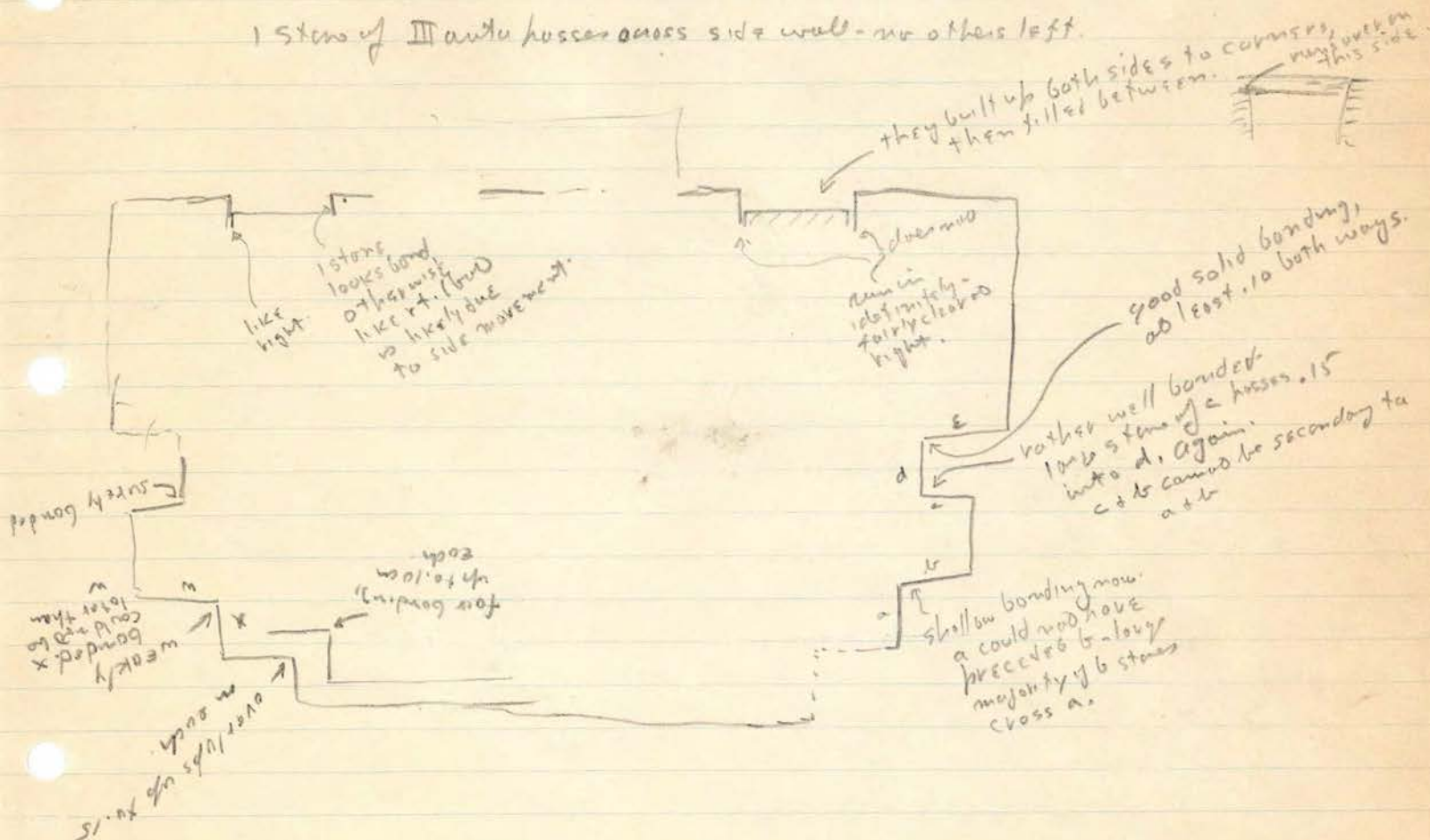
Sill stones run under rear wall.

Efforts to ~~follow~~ sill floor behind wall (comp'd) failed.



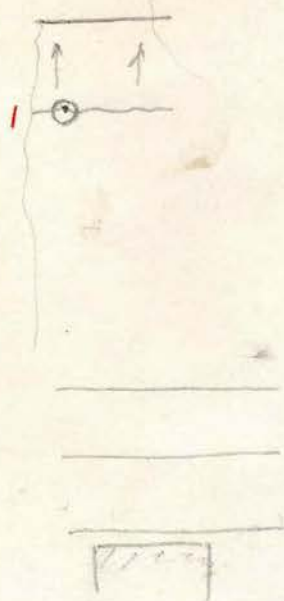
Sill stones end against side wall, except ^{probably} the top one; if this must be stable, sill was bonded.

1 stone of III anti hussar across side wall - no others left.

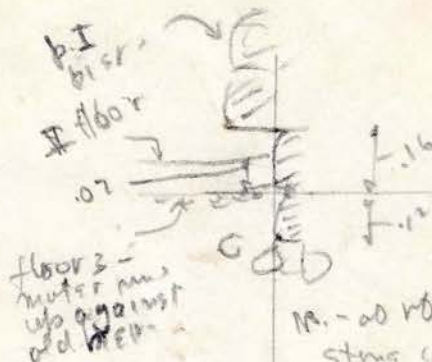


(TB)

1. 4,80 T.B. 7.77 D



Sect. .50 left of left pier,
rear side



M. - as rd comes, good corner
stone goes down to bottom
level shown here - but other
stones of this corner, along
road, are bad, not well
joined, confusing fact that
shows settling & down

of floor levels, Period I & III
piers:

Left pier, rear:

Left pier - RT rear corner - .15 (down to floor 3)
Corner goes below (See Section).

RT pier - RT rear corner - .20 (from settled bottom
of P. III pier to bottom of P. I corner stone).

R. Rear corner about .18 (same points - but is III floor
settled here?)

RT rear corner - .24, both of III pier corner stone is
.10 above floor 2

Left pier, rear - .21; P. III corner stone .04 above floor 2.

RT " " - .21.

OP. No. _____

MUSEUM CAT. _____

SCALE 1:20

SEE PHOTO Nos. _____

REMARKS

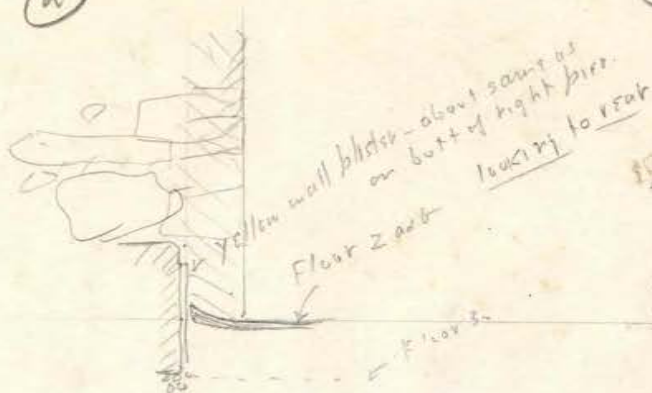
Two turn-ups of white plaster, when p.b. extends slightly interrupted by breaks, but sure, 40 to front. From then the clear body runs out to 70 front of pier.

Plaster on pier runs down behind these.

This flat condition of floors 2 extends across rt doorway - we have cleaned full front of rt ante without rock. There is remainder of it here of left pier. Plaster stones as flat in left middle + rt half of rt doorway (need not be cleared). They slope as in Sec (C), in varying degrees, in front of both piers + both autos.

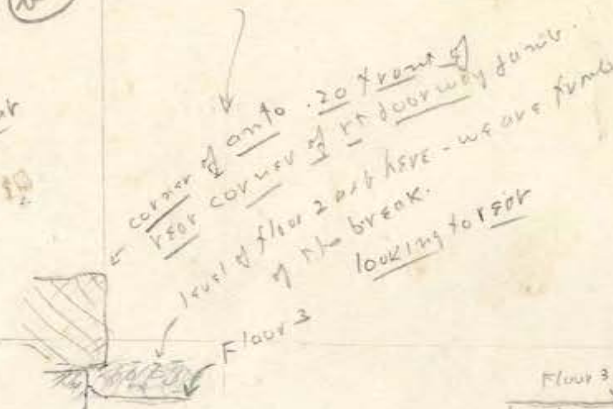
Section .65
Behind right auto,
rt end wall.

(a)

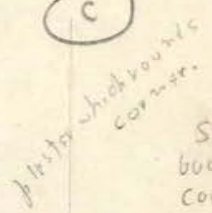


(b)

Section



(c)



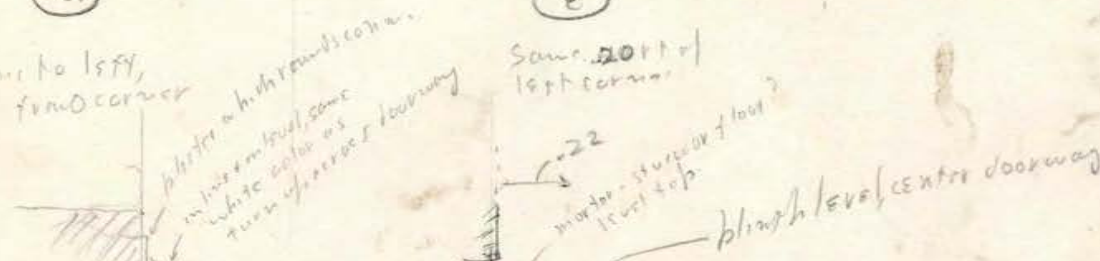
Section .20
back of rt front
corner of rt pier.
looking to rear.

(d)

Soil looking to left,
.03 left of rt front corner
of right pier

(e)

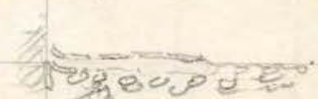
Same .20 ft of
left corner.



Same .50 left of rt front corner, rt pier.

(f)

70
40



(g) .50 left of rt front corner of pier
need be point 3 to here. this pair summer to .20 or more above floor 3, small sides.

.05 thick of hard cemented concrete, as found above of sill.

There has been settling - two pier above is OK.

Top blinth stone in contact with pier stone at bottom of latter. Is 32 long. (larger than width of blinth where stones are flat. Second stone extends same distance but is slightly below bottom of pier.

(h) same as g
.90 left of same corner.

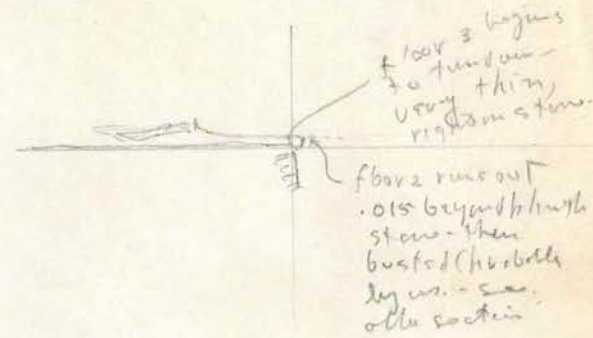
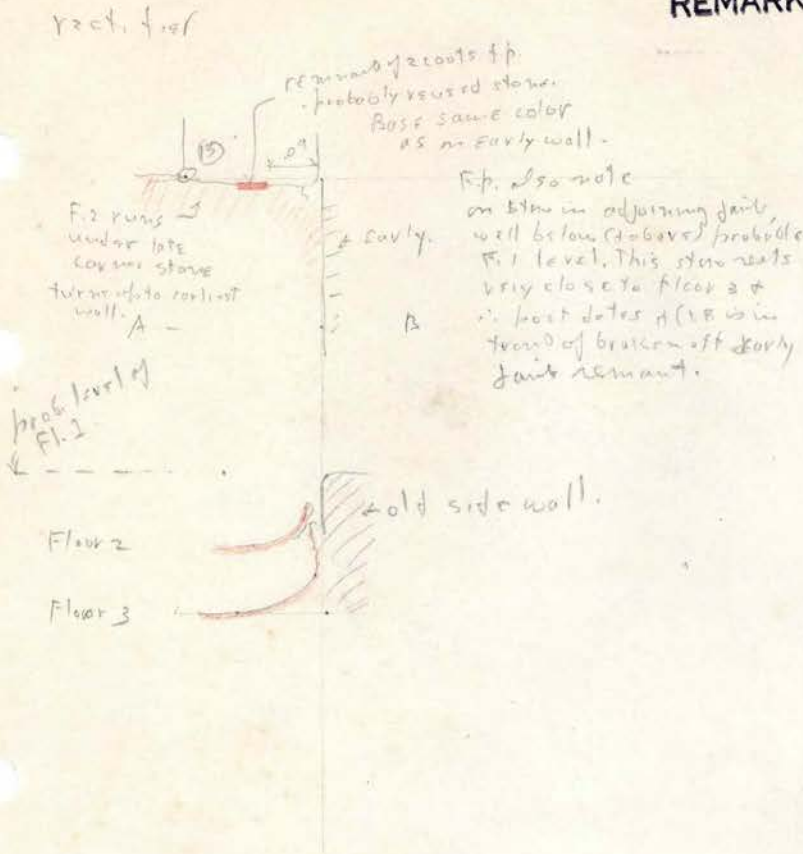
(i) just left of pier there is hard concrete body of this floor (must be 2) rt end edge of blinth, + .05 thick.



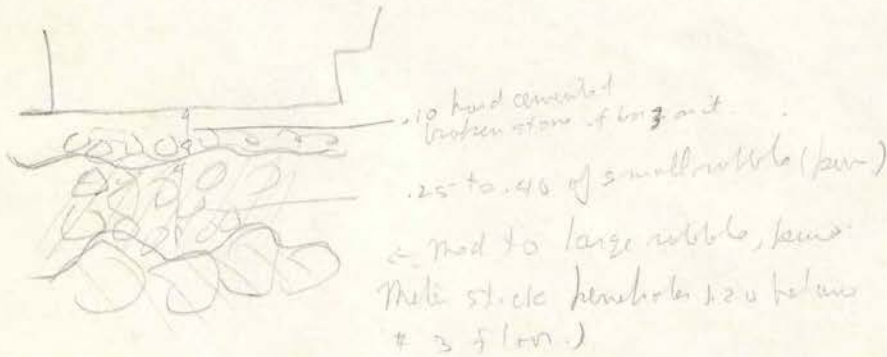
OP. No. _____ MUSEUM CAT. _____

SCALE _____ SEE PHOTO Nos. _____

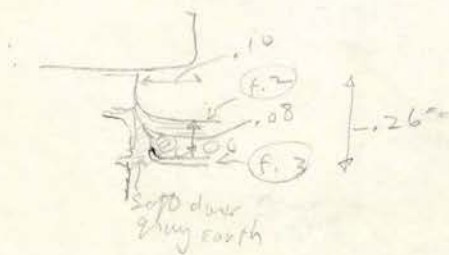
REMARKS _____

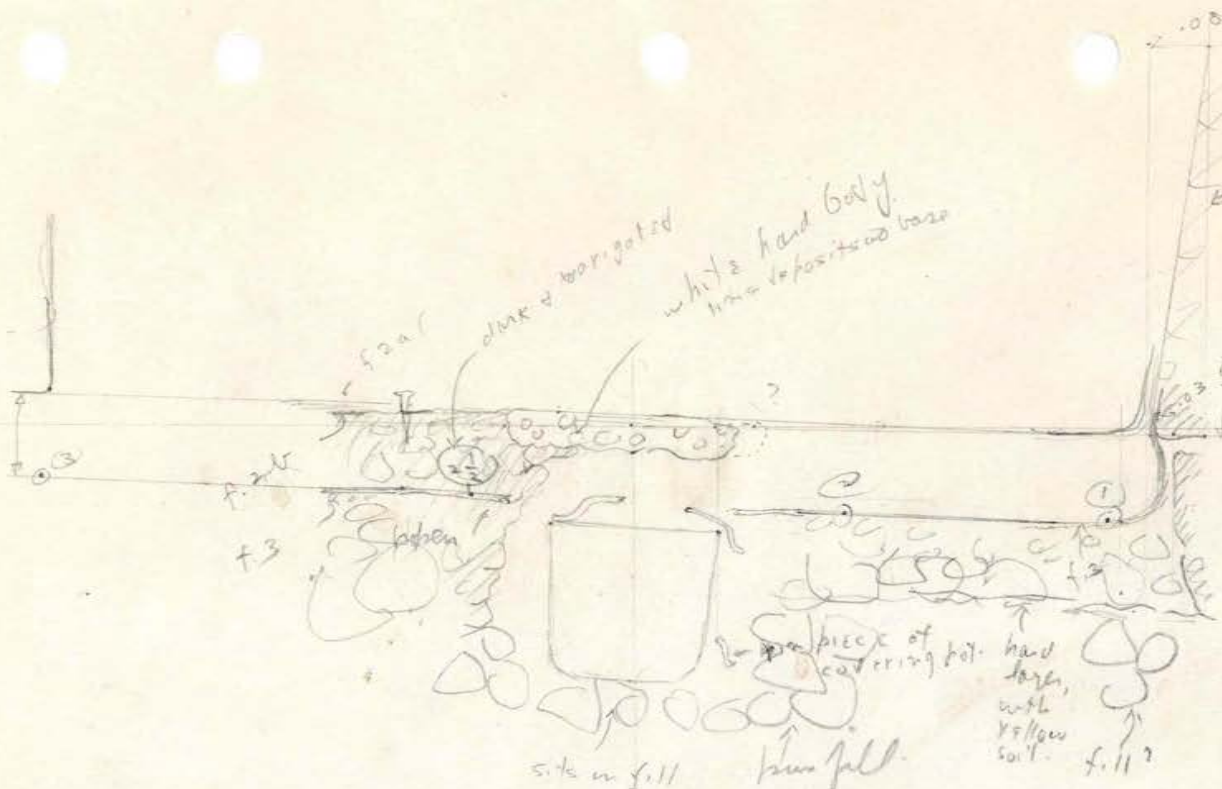
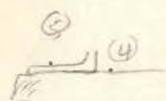


Section 1 from left end of chamber.



Sec. 35 rd of left near corner of left pair





hi = 1.25 on pt. ④
3 road d. 1.37
② 1.38
③ 1.29
① 1.31
1.40

the mch. So sandy walls read
directly on f. p. Possibly no refinish,
about .001 thick - no other floor
can be found - this one is direct on
burn fill - almost certainly this is
cont. with floor 3, which is resembles
in surface & body. No bluish wh.
blackened all over

REMARKS

SCALE

SEE PHOTO Nos

OP. No.

MUSEUM CAT.

PIEDRAS NEGRAS

193 STR.

1:100

f.p. runs under
undoubtedly to base of
"panel"

T.P. point on early blintz,
front of right angle
f.p. makes corner, 92 below T.P. point in blintz stone.
(covers 3 surfaces - will fall under dug.

+ 61 section on upper trend.

a plaster gray, white speckled, little charcoal -
concrete on yellow base, usually gray all
through. Surface quite hard .05 to .02 or .03
thick. Identical with thick gray of floor 1
in room. Nothing like "blue" of floor 2 or 6,
or the hard white of turn up in doorway.

b Body broken but hard thick yellow
white surfaced plaster in latest lower
step is very different. Body is
white speckled - no charcoal seen.
Except for missing white finish, this
also describes rear wall of last step
room, which is first room (no ash
remain). This (b) is over earliest part.
Neither a or b agree with doorway
turn-up very well, except in hardness
that tends to gray.

REMARKS

Early front steps, right (east) end.

SCALE

1:20

PHOTO Nos

OP. No.

MUSEUM CAT.

PIEDRAS NEGRAS

May 7

1936 STR

5-29

latest modification
in broken lines.

surely to be taken
as vertical.

NB the plaster (a) shows in burble,
the red follows the original blintz as
it passes across

stone other side cut

turn

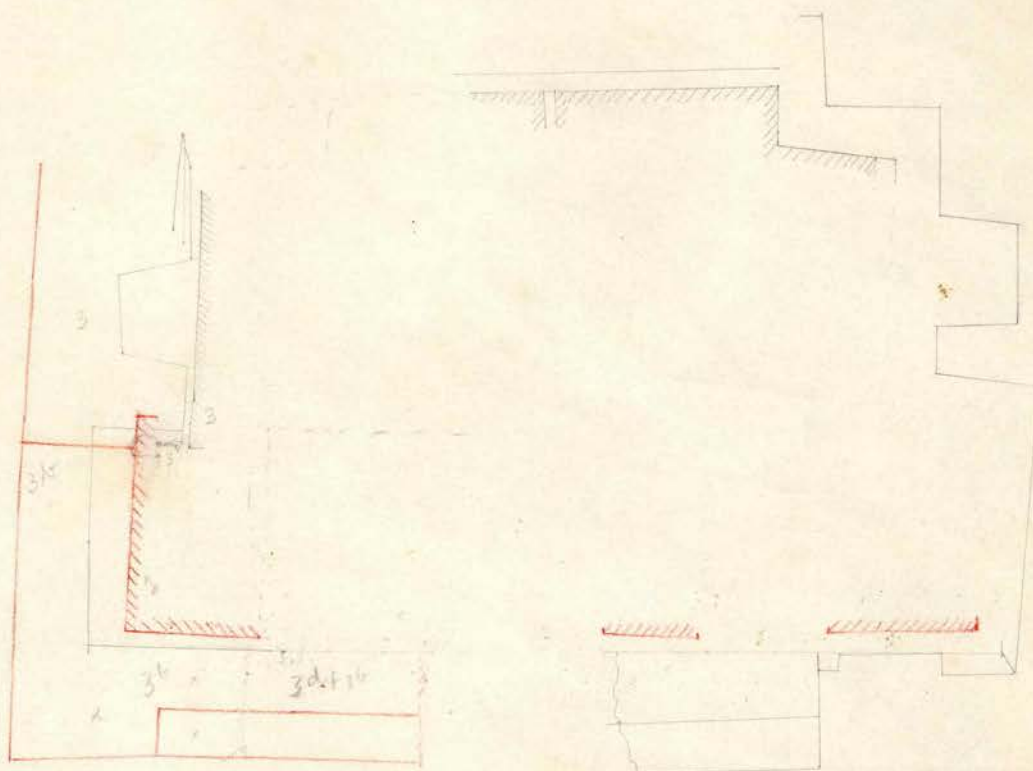
turn

Oversized item not scanned

J-29

1/15/36

Tracing from
measured drawing



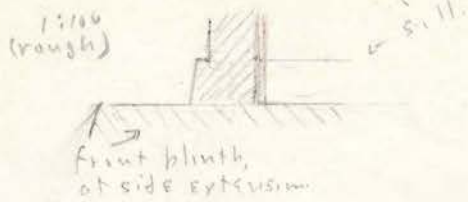
Black = earlier etc.
Red = later alterations

OP. No. MUSEUM CAT.

SCALE 1:20 SEE PHOTO Nos.

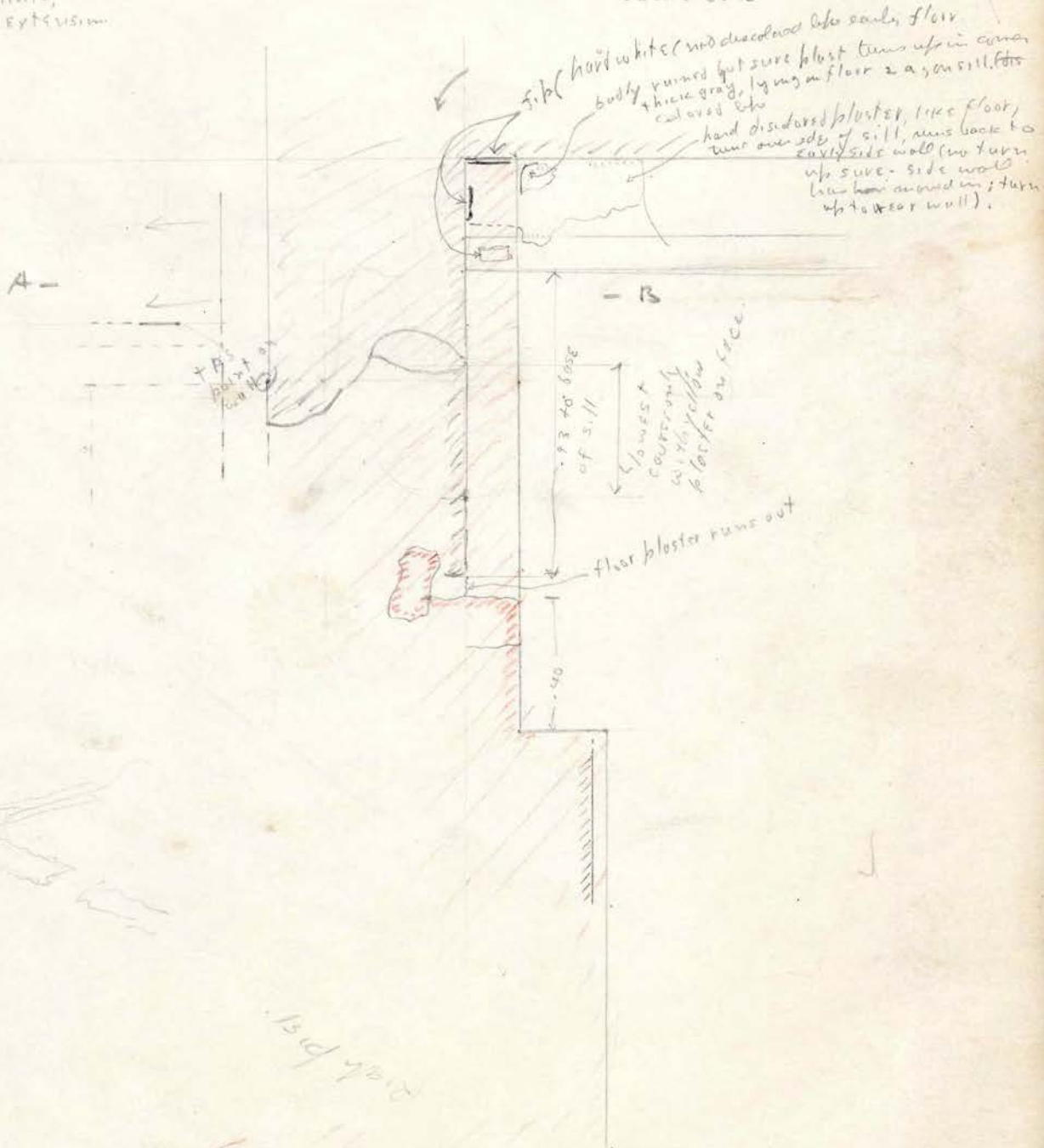
REMARKS

Loc AB, partly
restored.



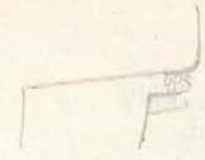
at bottom bound to sill (or possibly
sill built against it).

For bonding above see sketches
same date.



OF NO. 10000
MUSEUM CAT
SEE PHOTO NOS

REMARKS



OP. No. _____ MUSEUM CAT. _____

SCALE .01 = .20 SEE PHOTO Nos. _____

REMARKS Overlap of rt end wall with butt
end of earlier.

- a - Gray, white speckled soft plaster, .02 to .03 thick, in place. lies on discarded Floor 2-a, runs up to side wall - turn up to room necessary but destroyed, probably by movement of walls. This is the same stuff sometimes seen apparently on surfaces, other times within the floor - i.e. the vaulting in falling broke it all up, driving some pieces inside.
- b - Hard white, like floor 1a w. thin block discoloration - on yellow soft base, about 1 cm thick, where best protected.

(B) later.

(A)

red-plaster surfaces

apparently plaster must be 6, + in 7, facing in.

2 + 3 overlap (2 about .10, 3 about .25)

4 + 5 pass to rear of end of end wall

6

7

8, 9 + small slabs under are more fillers caused by presence of 6, 7, 11, 13, 14 of old end wall (see later drawing) only 15 inside.

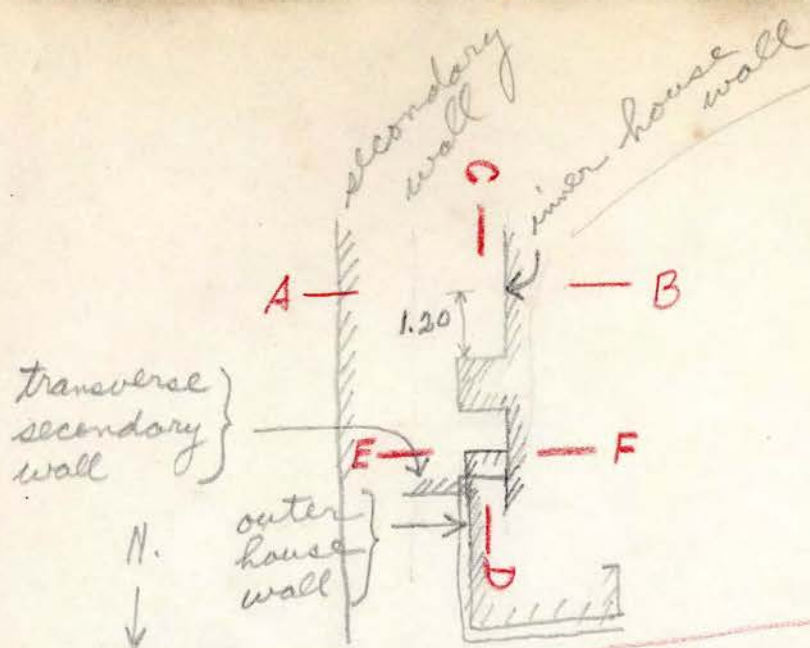
(b) - the yellow is the base.
F. 70 + 80 cm high
Yellow
side plaster
disc. and
run down

Turn has been lost by side wall leaning this way.

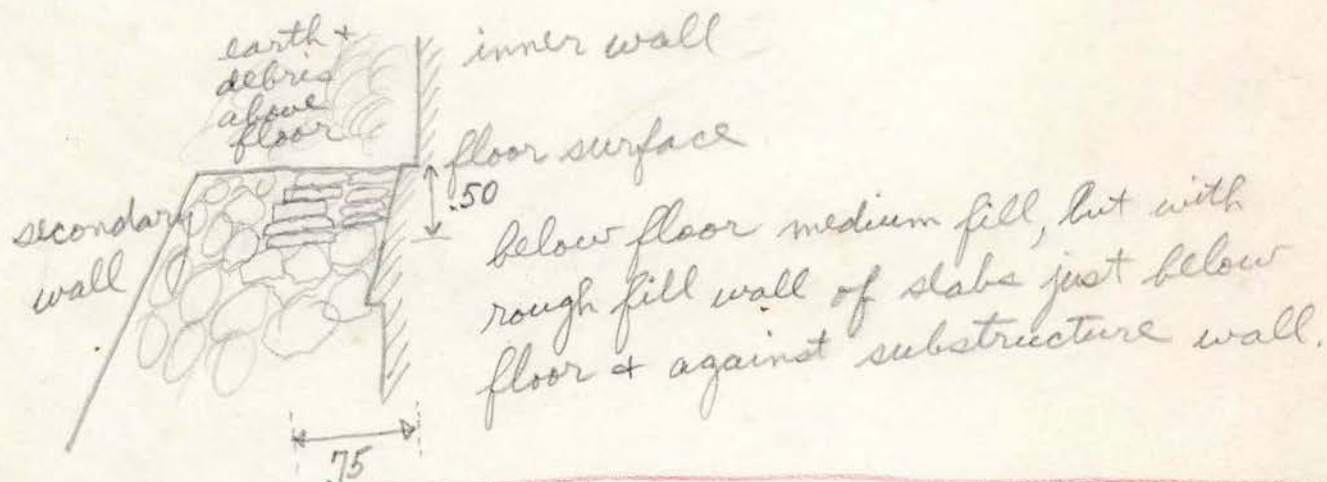
latest side wall

a lot of small slabs just to choke the gap?

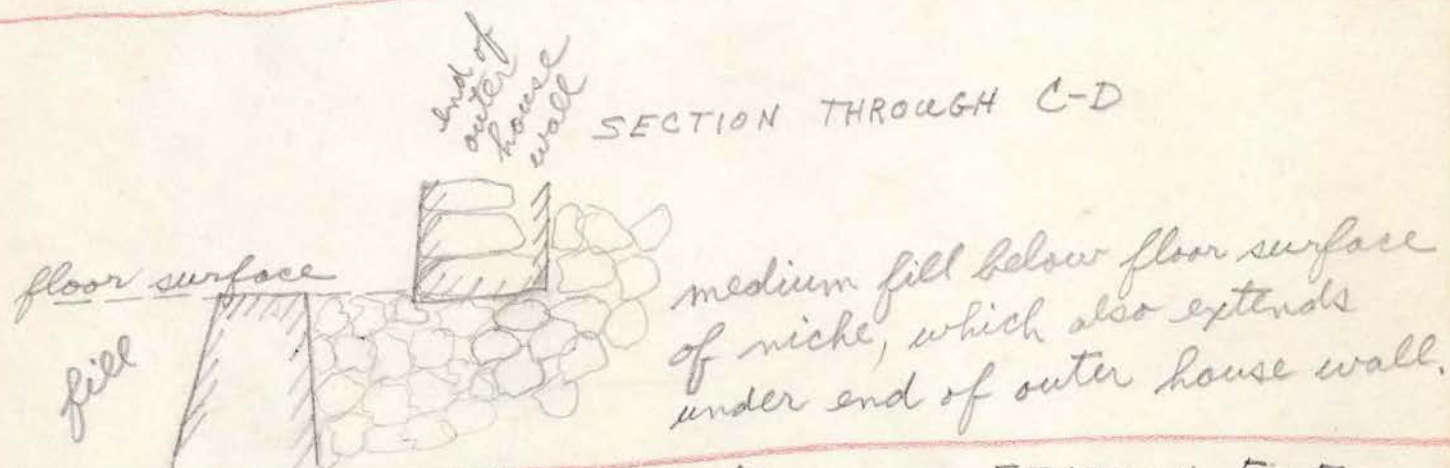
12 of sill could pass under 7 (does a little)
But 11 + 13, plus small stones, are so disposed as to prevent sill from continuing.
So 13 in relation to plane of sill lower down.
The sill either was broken or is contemporary with this early end wall.



SECTION THROUGH A-B.



SECTION THROUGH C-D



SECTION F-E

4/9/36

Line of debris about wall.

110
Cannon Baller out
G. 100

debris - of stone
+ lots of earth

house small

ascending wall

E _____ F

5.50
70

{ secondary will cut away here
to expose fourth period!

ascending well
course side of cliffs

kill of insects it.
stone and the above
with entire apex
E —

Bill

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

↓ .35

klein

44 F

should be buttress
instead of house wall
+ plinth

bottom of
excavation

bottom of
excavation

probably
originally
battered
as above

cut at front of building

4.50 from floor to lowest point known to be fill.

Bottom of excavation was .75 above this

Fill wall and
discovered till
french had sunk to
3.50 ± - don't know
how far to trend it
extends to

All fill observed below
bottom of plinth wall is
large & medium.

1.10
- 7'

pure
rock
fill

3.0

1.15 below plinth =
approx. h. of top of fill wall,
so far as observed

pure
rock
fill

large formless fill
wall stones.

3.30 below
plinth

Bottom of fill wall
sighted as in line with
left (SW) side of altar niche

| |
|-------------|
| 95 |
| 120 |
| (stick) 215 |
| 1.15 |
| 3.30 |

plinth

1.20

2.35

under
through
fill

| |
|------|
| 1.95 |
| 1.20 |
| 2.35 |
| 4.50 |

depth reached
with meter
stick - no floor

-52

Small & medium
fill stones in the
earth floor, which
is about 15" thick.

Earth "floor"
does not extend
to front - stops
about 1.00 forward of
plinth - crosses trench
from side to side, under fill wall.

Below this, smallish fill stone observed where fill wall would
continue if it went lower.

plinth

4.50

3.30 = bottom of fill wall - top of soft brown
earth - few shreds in it - all between
fill stones

french about 3.50 below
plinth.

bit 6.10 m.

point reached by meter stick is
directly under bottom of plinth wall.

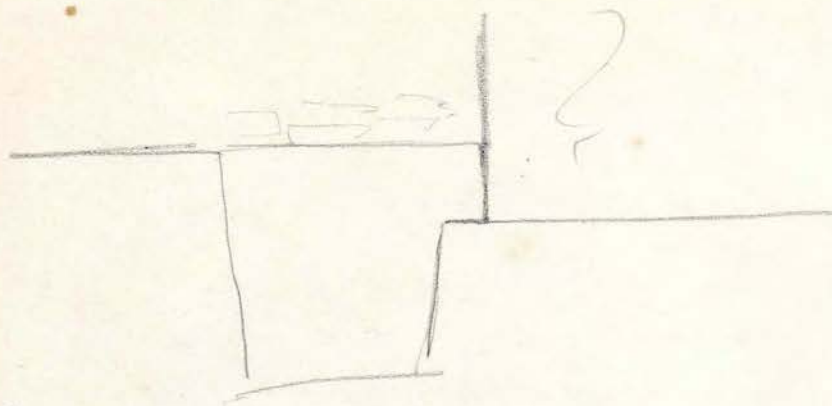
OP. No.

MUSEUM CAT.

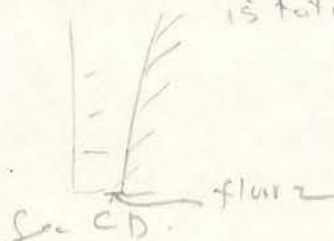
SCALE

SEE PHOTO Nos

REMARKS



Sec A B - and wall leans out .11 in 1.53, which is total height here.



vertical above to 1.40 above where floor, 1.02 above stone of sill. Above leans out .15 in .45.

Rem wall (Sec E F)

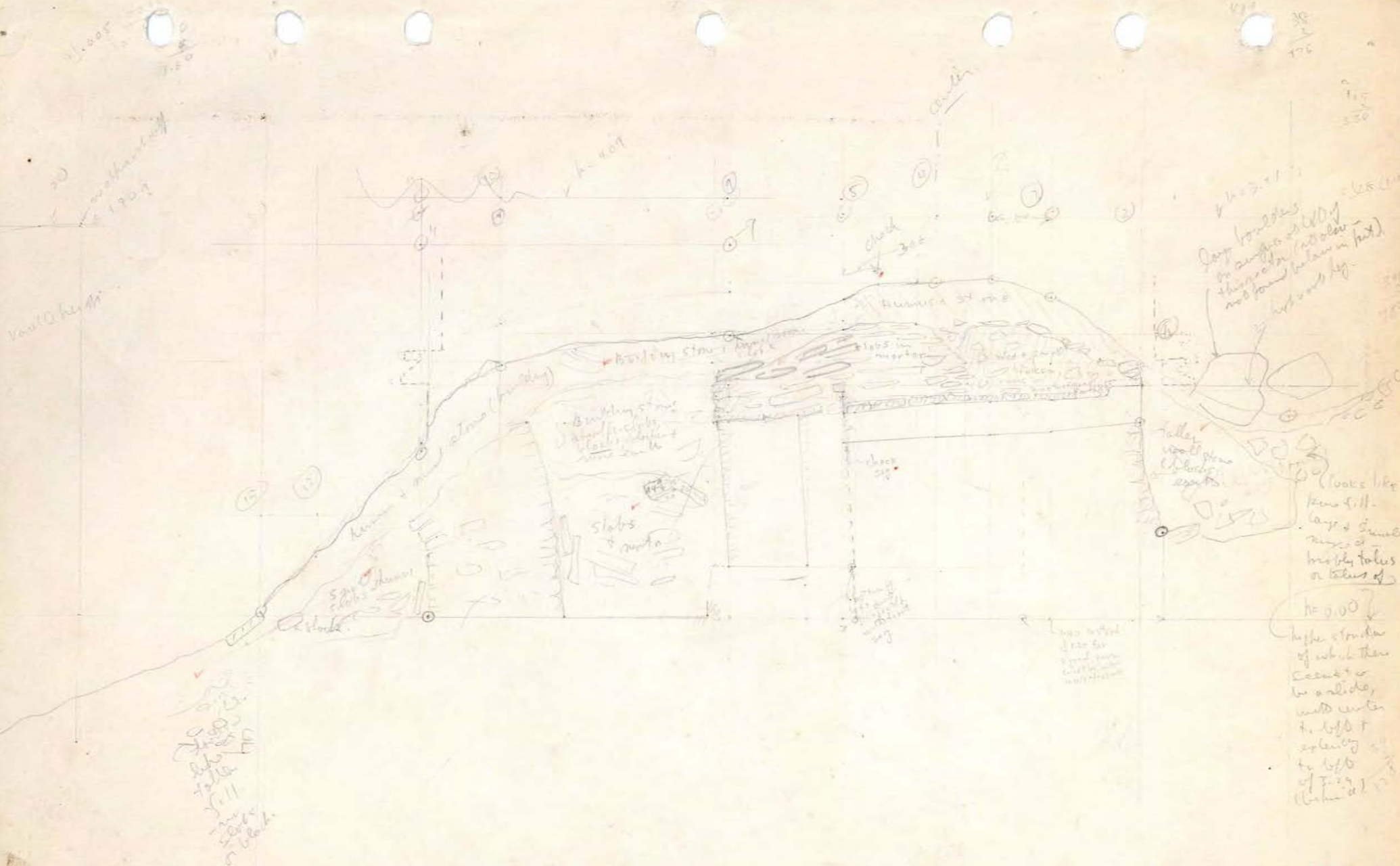


.26 in .60 above sill (forward)

This is sliding forward at top is 1.55 above sill.

This side is slightly less adjustment with end wall, causing breaks as main body moved further forward, especially at top. Surface is about .35 above rear wall stones main in semi-position (i.e. 1.60 + .35 above sill).

Van Oshorn
1909



I-29 -
Details of
cross-section

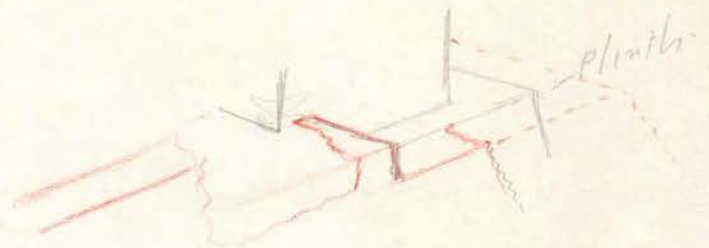
Oversized item not scanned

PIEDRAS NEGRAS.....193.....CTR.....

OP. No. MUSEUM CAT.

SCALE SEE PHOTO Nos.

REMARKS



OP. No. _____ MUSEUM CAT. _____

SCALE _____ SEE PHOTO Nos. _____

REMARKS Notes on Floors 2 at b -

30 back of rt pier near center:

Flon & rebarrier easily from b, leaving surface of b covered with soft black deposit. There is only on surface on b here. body is - thin layer of soft gray yellow - in body with some red - much bright yellow, & small stones - about .05 thick resting on hard concrete (no surface bl. - offsl. floor 3.

Some of bones of a are much harder & are bluish.

A second surface for b (probably) comes up on bottom of laminae a - i.e. the soft black fails to hold it down. The appearance of this stuff is as if discolored by charcoal.

See sample for floor a

The yellow (soft disintegrating stones) is characteristic of Floor 2 & body everywhere - including over hand steps (hand of rt. doorway) - except an irregular area behind rt doorway. Here everything is declared almost coal black (body of floor up to line of the hand wall (where I noted yellow, in doorway after leaving the f.p. - this room hetero and to soft dull earth with little or no stone as you go from in doorway). The black gets less intense & runs into pieces of charcoal toward foot of sill.

J-29

4/2/36

pure rock fill }
in front of it. }
terrace wall. →

pure rock fill }
behind it. } →

step
step
terrace wall

PIEDRAS NEGRAS 4/2 1936 STR. J-29

OP. No. _____ MUSEUM CAT. _____

SCALE _____ SEE PHOTO Nos. _____

REMARKS _____

Secondary terrace wall at back of building.

Had some plaster on stones about 1.00 below top.

Many red ware sherds all along wall — should be able to fit some of these together as they sometimes came in more or less definite groups.

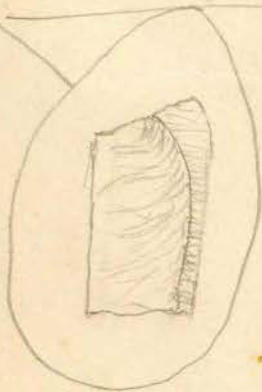
Many figurine fragments all along wall, mixed in with sherds. More bodies than usual. Several whistles in shape of birds.

Piece of metate found in fill outside wall opp. corner of building. Rectangular. Includes one corner. $.27 \times .17 \times .06$



Right side of building. Piece of metate found in surface debris outside of secondary wall.

Between outer + inner house walls, above plinth of inner wall, were both rough fill stones + well-faced stones evidently once used as wall stones.



Secondary terrace wall at back of building.

Had some plaster on stones about 1.00 below top.

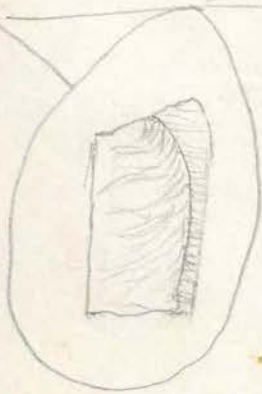
Many red ware sherds all along wall — should be able to fit some of these together as they sometimes came in more or less definite groups.

Many figurine fragments all along wall, mixed in with sherds. More bodies than usual. Several whistles in shape of birds.

Piece of metate found in fill outside wall opp. corner of building. Rectangular. Includes one corner. $.27 \times .17 \times .06$

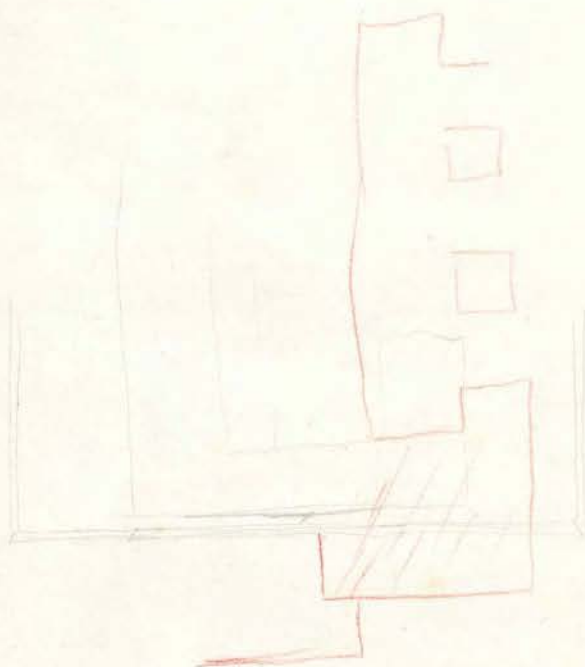
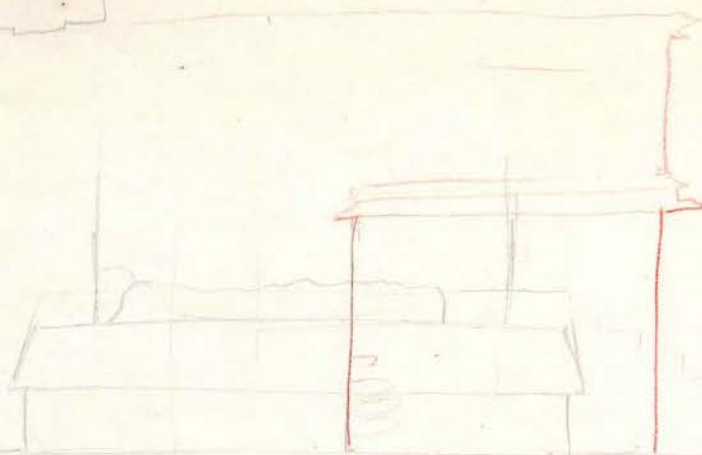
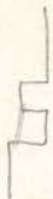
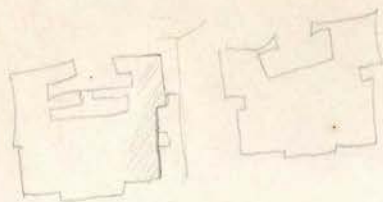


looking East,
showing left
rear corner
of building.



Right side of building. Piece of metate found in surface debris outside of secondary wall.

Between outer + inner house walls, above plinth of inner wall, were both rough fill stones + well-faced stones evidently once used as wall stones.



4/1/36

Half of stone ring. (no. 1.)

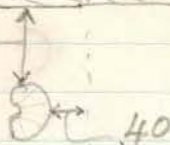
N. ←

In surface debris.

on level of bottom
of house wall

terrace wall

.80

Metate

In surface debris

at a level of about .80
above bottom of house wall.

terrace wall

1.85



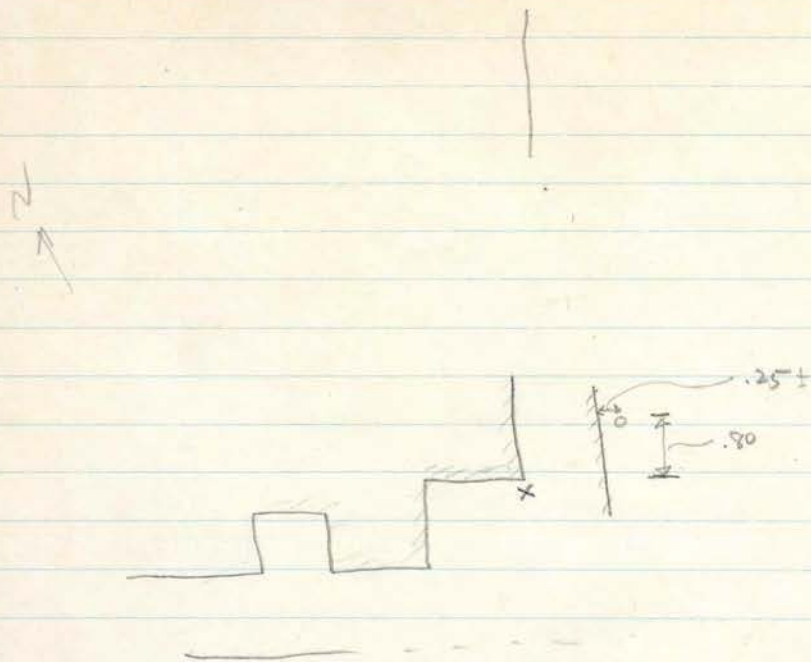
.30

other half of stone ring
(no. 2)

.50

.80

about 1.00 above base
of terrace wall, i.e.,
bottom of trench between
terrace wall + rear of house.
In pure rock fill
surrounded by other stones.
about 1.00 below surface.



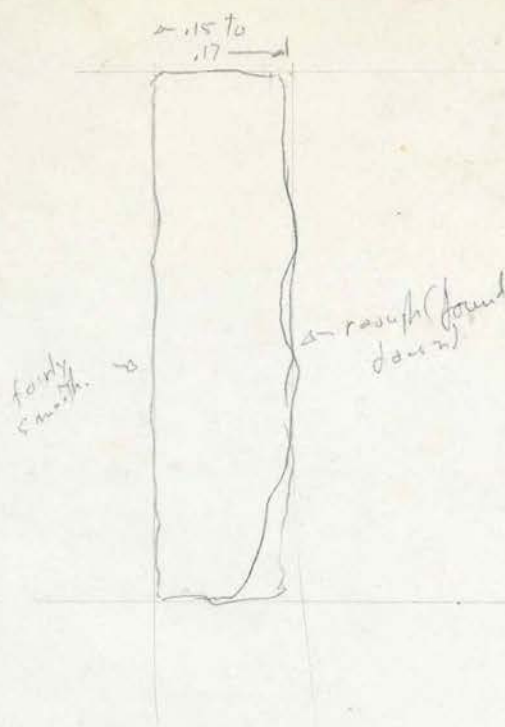
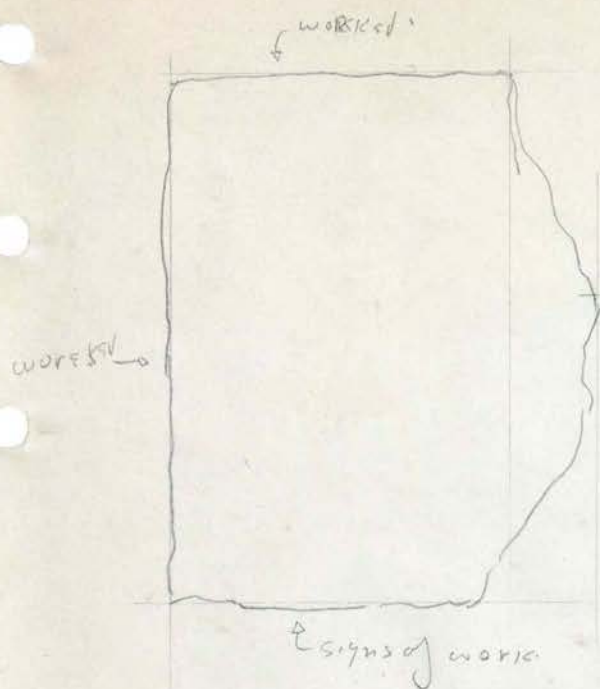
Apr. 1, 1936

Bottom of small bowl # Bag 2.

about .10 below bottom of molding
at corner x; into pure rock fill
surrounded by stones.

1.30 below surface.
bottom down.

Corner lower member cornice stone

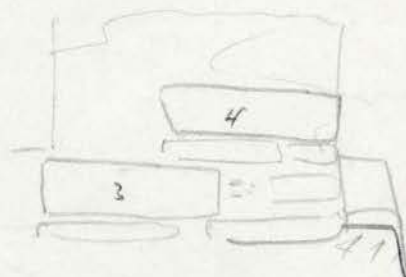
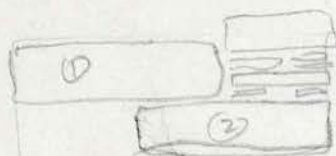


Found practically at corner, h 4.50 ±.

Central Kieris

Same

4 long ones left - all run in & off - on the sides



| | Length | Breadth | Thickness |
|---|--------|------------|---|
| ① | .75 | .28 to .35 | .18 |
| ② | .73 | .40 | .14 |
| ③ | .60 | .35 | .18 (very smooth exposed faces - should be examined though doubtful if significant) |
| ④ | .66 | .28 | .14 to .19 |
| ⑤ | .77 | .25 | .16 (thinner in one corner & with facets) |

Left Anish.



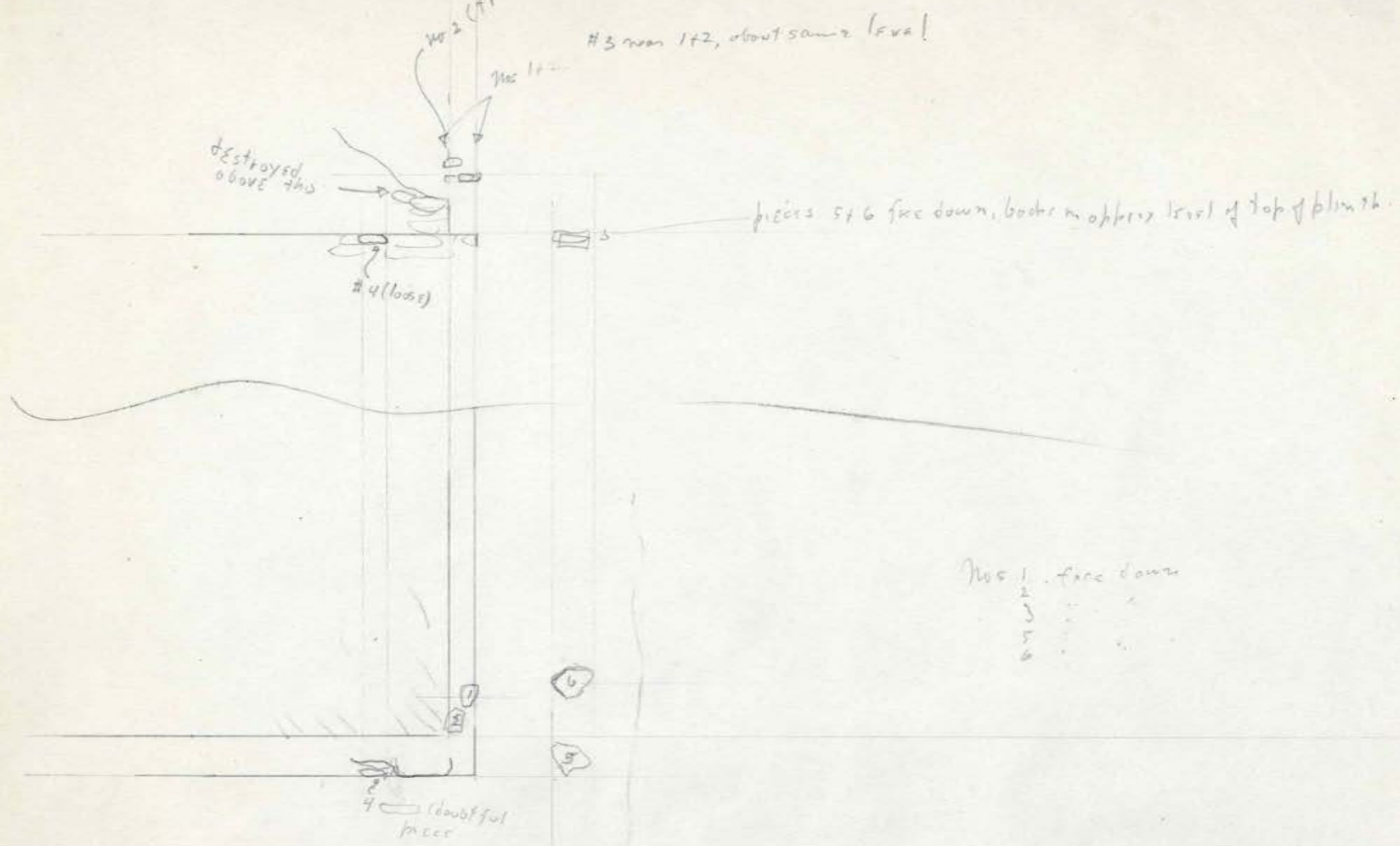
No other stones like this visible on clean-up. They probably belong with corners

See photos for usual type of corner binding.

5-29

J-29

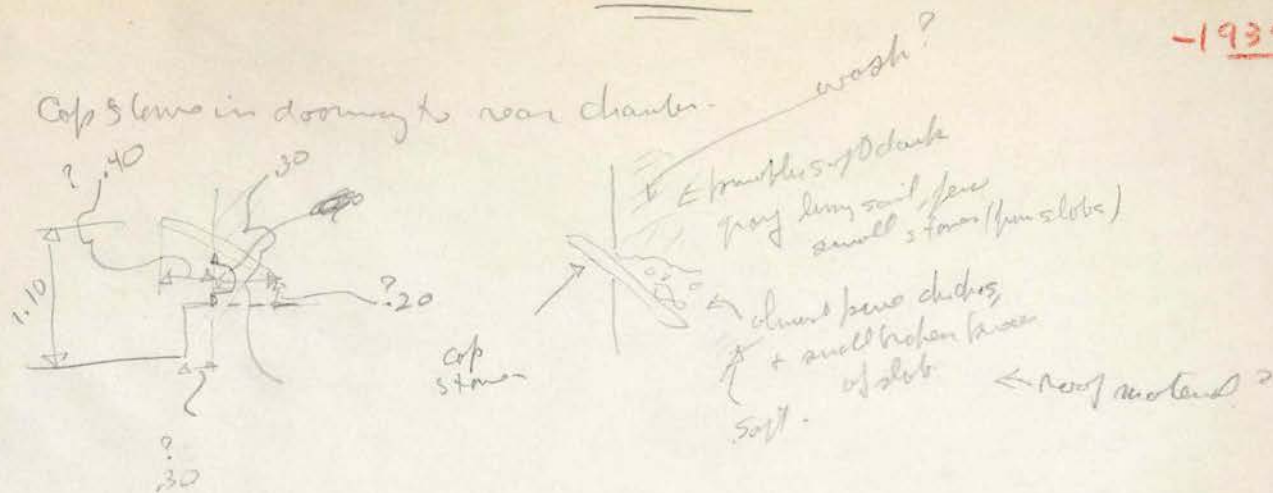
Carved stone ad w. by
corner.



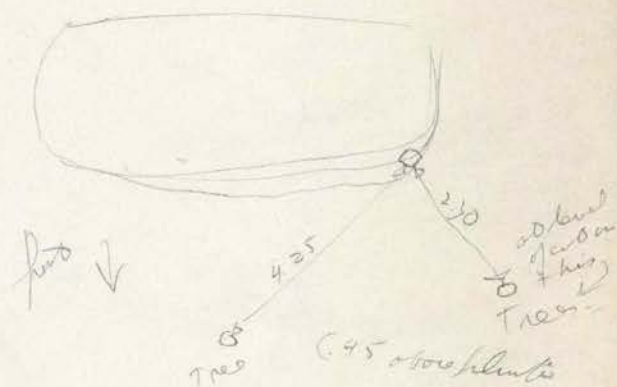
S. 29

Sta J-29

-1934



Sculptured fragment - practically on surface



No 10

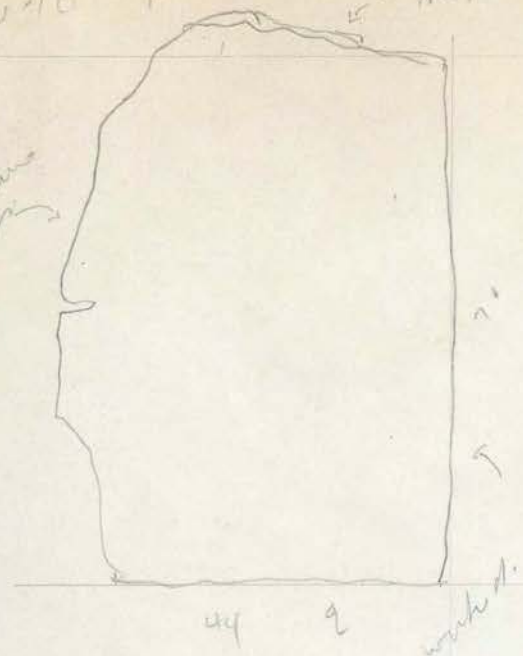
30

← some work maybe

No 11

5-29

fracture edges

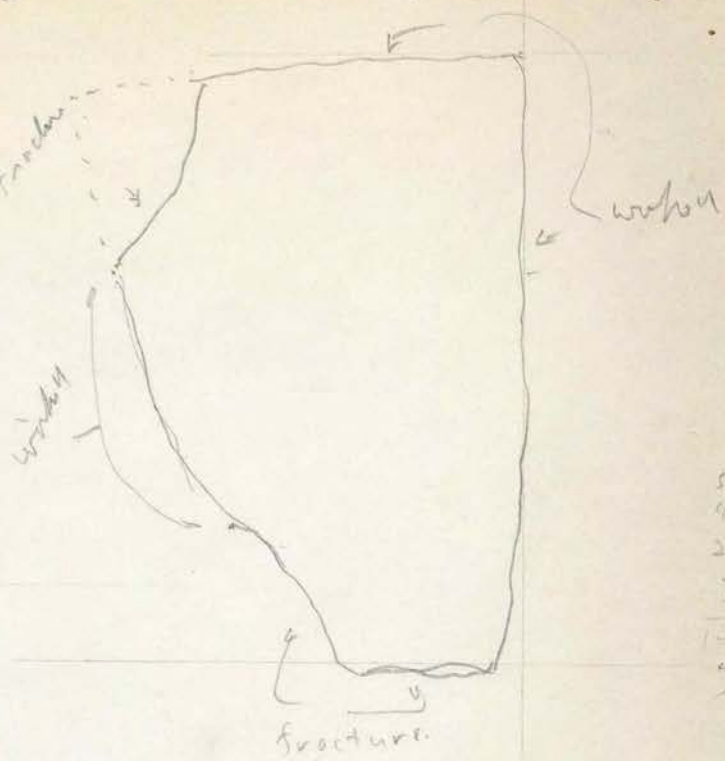


th .13

Badly weathered - rough both sides

fracture

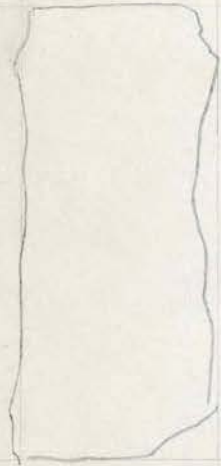
worked



th .09 cleavage
Beds from fracture
though was thin

.54

No 12

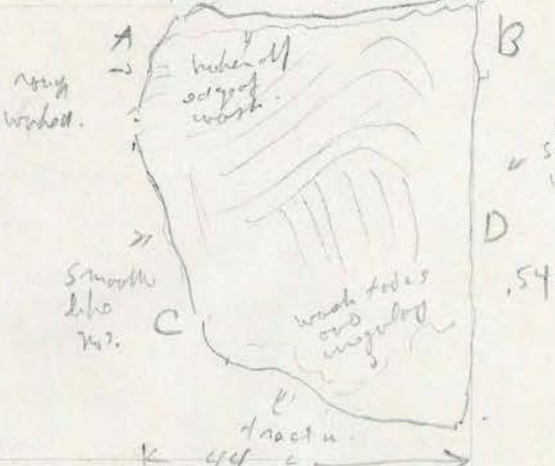


.25

th .06

both sides cleavage
fracture smooth
Probably would form
stone

No 13 - Fragment fracture



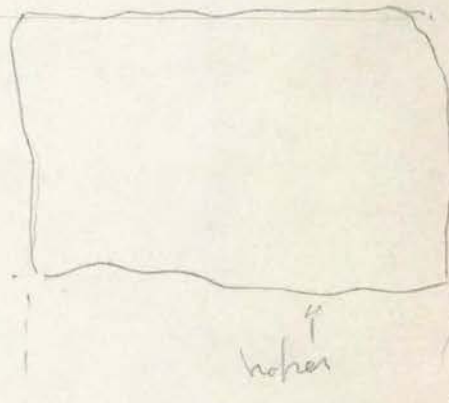
th .45 to .035

Plaster wash -
brush strokes very
plain. This line wash
runs over the edges
at A + B, C + D & lines
between.
no not top (clean)
no bottom

This is the only of these
blocks found in any
of these stones (1 to 14).
May be to top of wash .45
with .06.
can be a cap fragment??

← slightly worked

.54



3 remaining edges worked

- cap stone

th .05

both sides cleavage
planes, nice & smooth

No 15 - mud in Photo



cleavage worked
on three remaining
edges

th .08

both sides
cleavage planes
+ really to
scab off shell

0170 105 1015 4h

5-29-1954

- Building sta -

Stake types.

See photo.

No 1

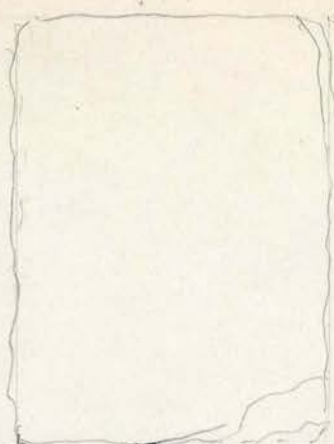
44

th. .08
to .09

67

4

not
used
yet
fair
shape

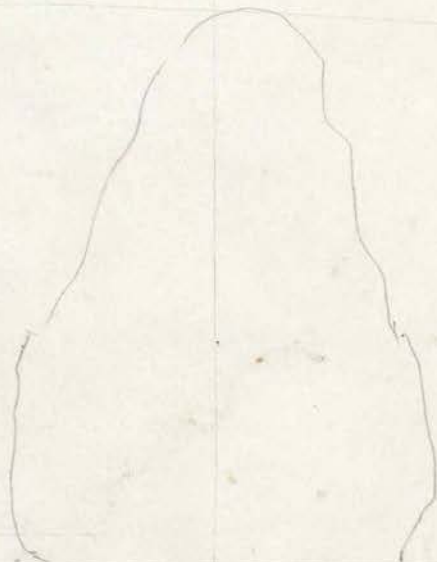
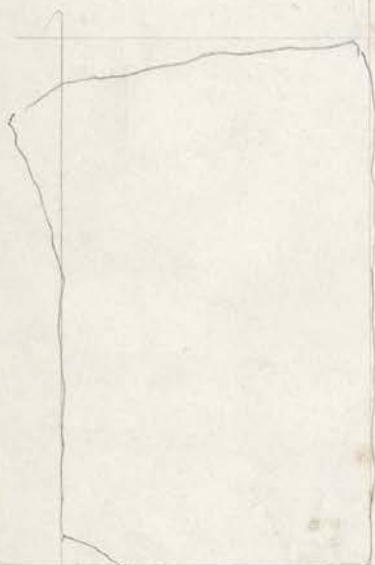


41
Probably vaneet slab,
one fair edge.
1 flat face
(vaneet face
clearing, planar)

thick: .07.
vaneet all over.
except vaneet (a. th. .08) & then the top.
gray mortar all over. Not
back - possibly clear face
front. It has been
been exposed a month
as has (vaneet) face
- cop-stone. clearing
planar

No 3.

No 21.



thick 46
.10 a
very rough
worked.
Probably corner stone.
flat face (vaneet
clearing, planar)

th. .02 to .12 - very
uneven faces.
Probably heading of
vaneet.
Neither face a
clearing, planar.

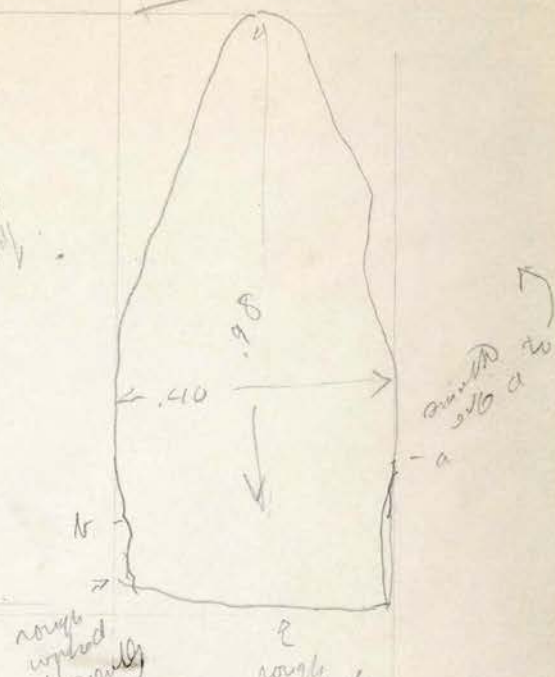
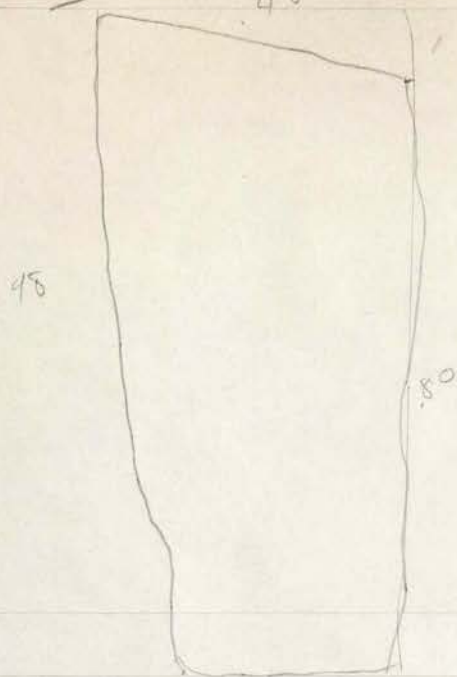
No 5

40

No 6

worked
V 35

No 7

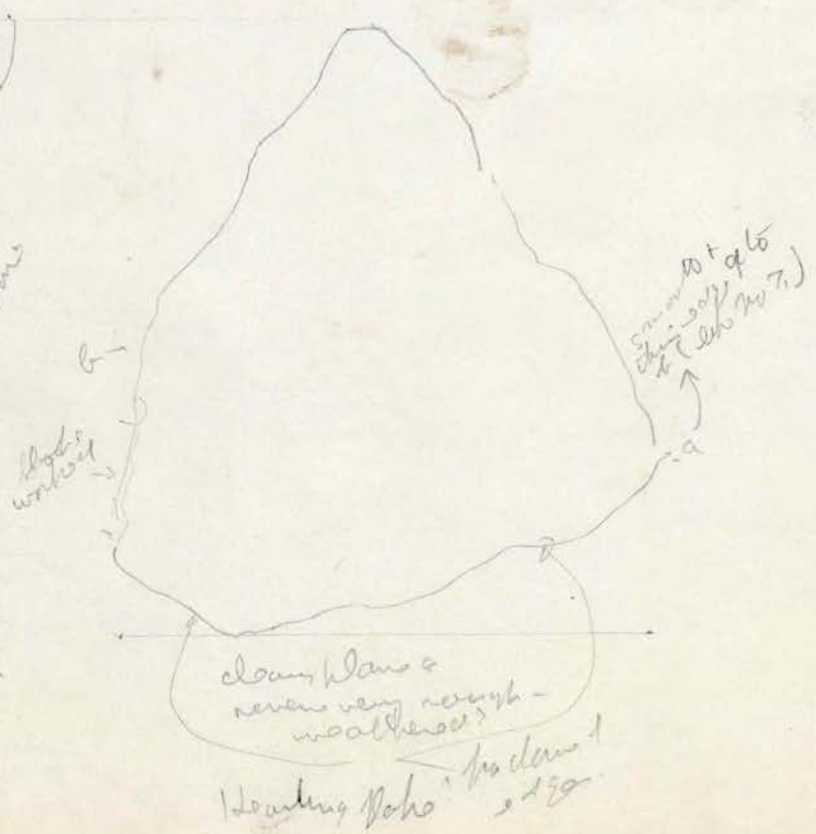


th 30
th 90 all-ages
rough worked.
Flintbedded
very smooth faces.
- cop stone.
Most fine, but both
clear, plane, and
weather

Reverse side
Very rough
as if broken down
from thicker
slab
th. 10 to 14
- only on face in
clearing plane.
- cop stone

th 06
This face smooth
than reverse -
but both in
clearing plane
cop stone or
rough working

worked
V 35



face clear, plain
never very rough -
now left over

clear, plane &
never very rough -
weathered
Heating Paho

smooth & 6
th (see No 7.)

Third.

a plaster disk found against rear sill, center (i.e. 1/2 way) - apparently hard of floor. Remained without authorization by Carmen Ocker, but saved.

Diameter .10 x .095

Plan

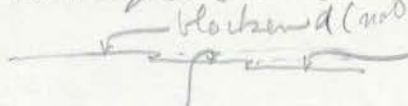


Side view

has a remnant of

bluing - but only one fresh work on edge is apparent.

Third floor. This layer first is blackened (not mainly grey-blue as outside).



blackened (shows of some charcoal (?) soft good blocks. - line may be very little visible)

reddish (mostly bluish - not satisfactory as paint).

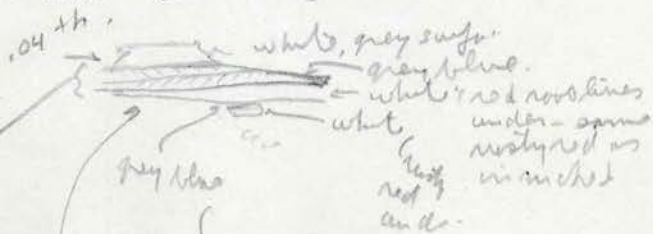
Saw sequence out side on sill - with red still looking (fungus) - but not blackening observed.

Room floor - sequence of 3 also.



both very clearly were colored gray-blue (light) or have faded from black or dark blue - consistent

Sample section.



Some layer of .002 to .003 after .003 to .004

.003 to .004 in my preparation.

.003 thick, color on surface only

Top occurs in small patches only, which remain only gray. Plaster is white under the thin surface color.

5.29.

Masonry - see elsewhere also.

.02 to .025 thickness of mortar between stones.

They are slabs or slab-blocks - (wall stones) - but no big thickness (except from vaulting).

Small slabs used where convenient.

Much more chunky (with slab-blocks) in piers & arches than in rear wall.

Left end wall uses small slabs built up like chunky to take place of higher stones, frequently (see photo) -

Occasionally blocks in rear wall, & end wall, but the exception.

In piers, practically none.

Essentially heavy slab construction (& the slabs not too very long, giving the block-like effect in some instances).

Rough worked corner stones.

Specially long stones in corners also. Even there are very thick ~~slabs~~ heavy slabs.

Misc. 7 or 8 well tooled fragments from debris behind left pier, ± center of room, about 1.0 or 1.50 above floor.



top & 4 sides well tooled.
- yellow soap stone.

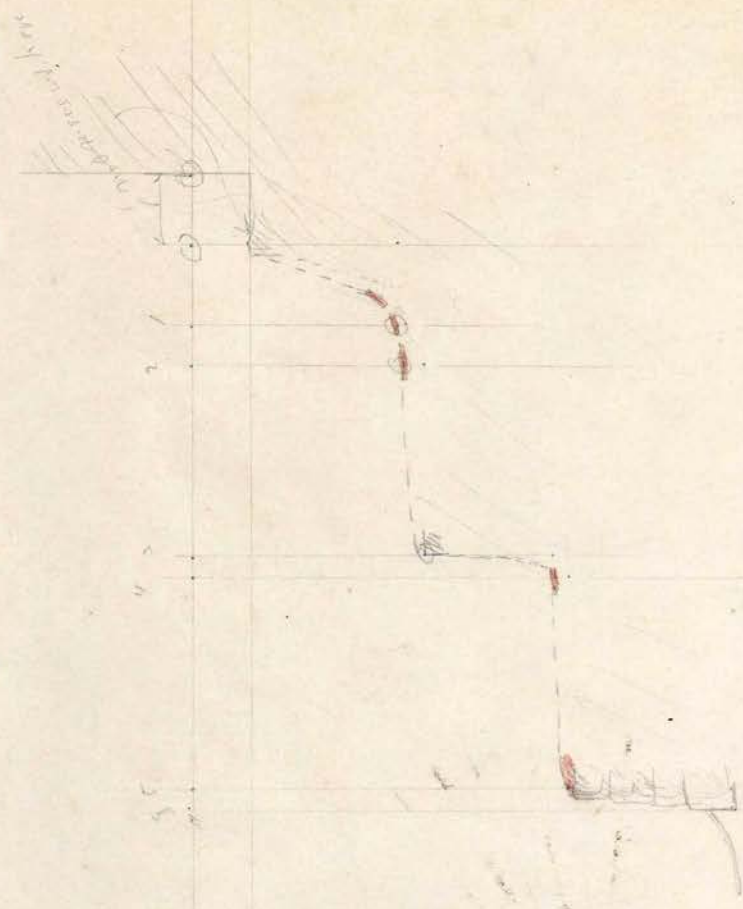
Boys report drawing another away from same general location.

PIEDRAS NEGRAS May 8 1936 STR. J-29

OP. No. _____ MUSEUM CAT. _____

SCALE 1:20 SEE PHOTO Nos. _____

REMARKS Section .50± left of right side wall.
of original steps at K-100.



20/40

5175 1.50

J-11

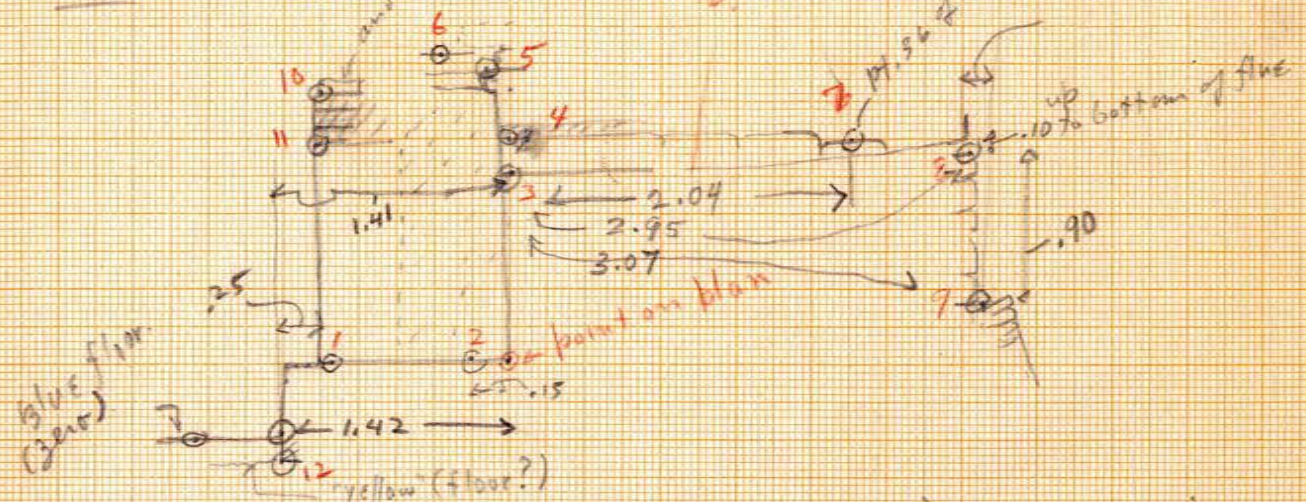
PIEDRAS NEGRAS Apr-May 1936 STR. J-29

CP. No. _____ MUSEUM CAT. _____

SCALE _____ SEE PHOTO NO. _____

REMARKS Section Details.

Section in blue line

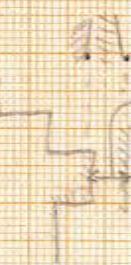


hi = 3.40 up

| | | |
|---|-----------|-----------------------|
| 1 | read down | 2.98 |
| 2 | " | 2.91 |
| 3 | " | 1.69 |
| 4 | " | 1.42 |
| 5 | " | 1.08 |
| 6 | " | .95 from 3.40 = +3.55 |
| 7 | " | 1.35 |
| 8 | " | 1.49 |
| 9 | " | 2.36 (plinth) |

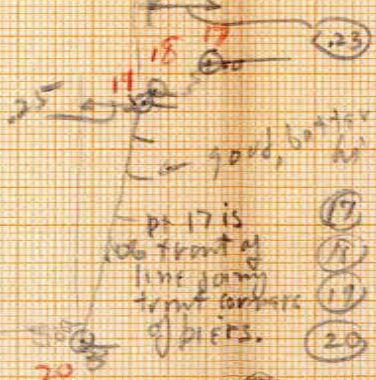
hi = 1.22 up

| | | | |
|----|---------|------|--|
| 10 | read up | .94 | This is top |
| 11 | up | .68 | at bottom of 3 lines of slope which still increase down the hill |
| 12 | down | 1.34 | along the hill |
| 13 | " | 1.17 | |
| 14 | " | 1.18 | |
| 15 | " | 1.22 | |
| 16 | " | 1.24 | |

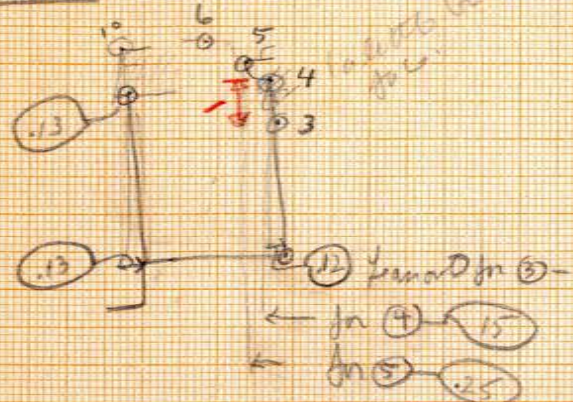


hi = 1.18 from 10
a read = 1.22
b " = 1.19
c " = 1.15
d " = 1.30

Section 20 left of right yard of Center door



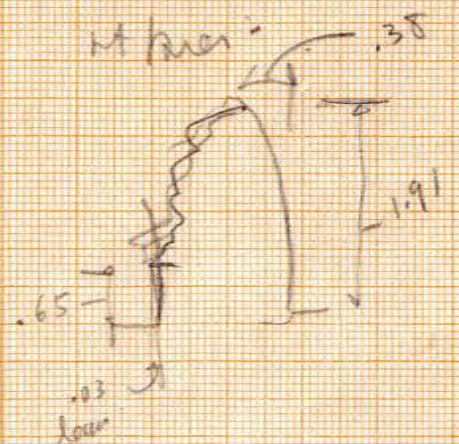
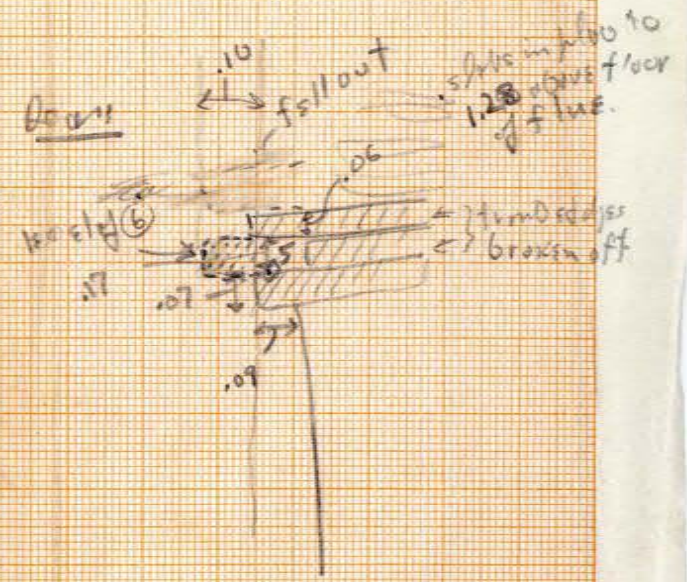
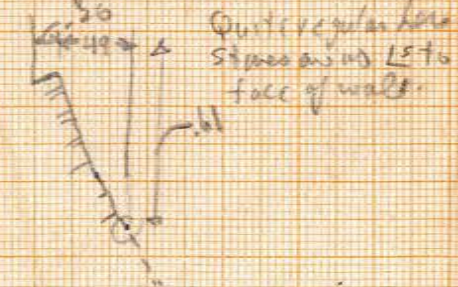
Details

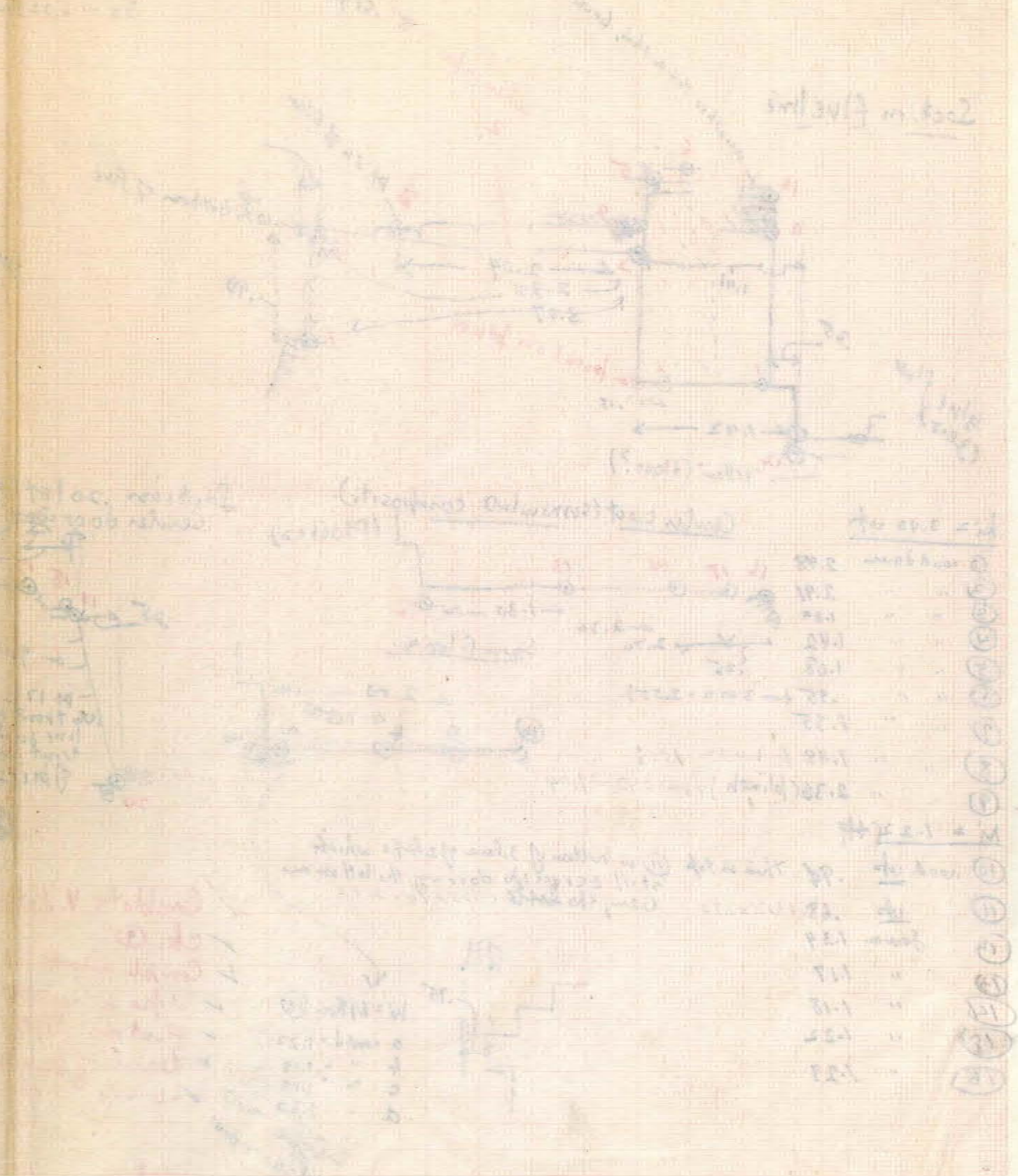
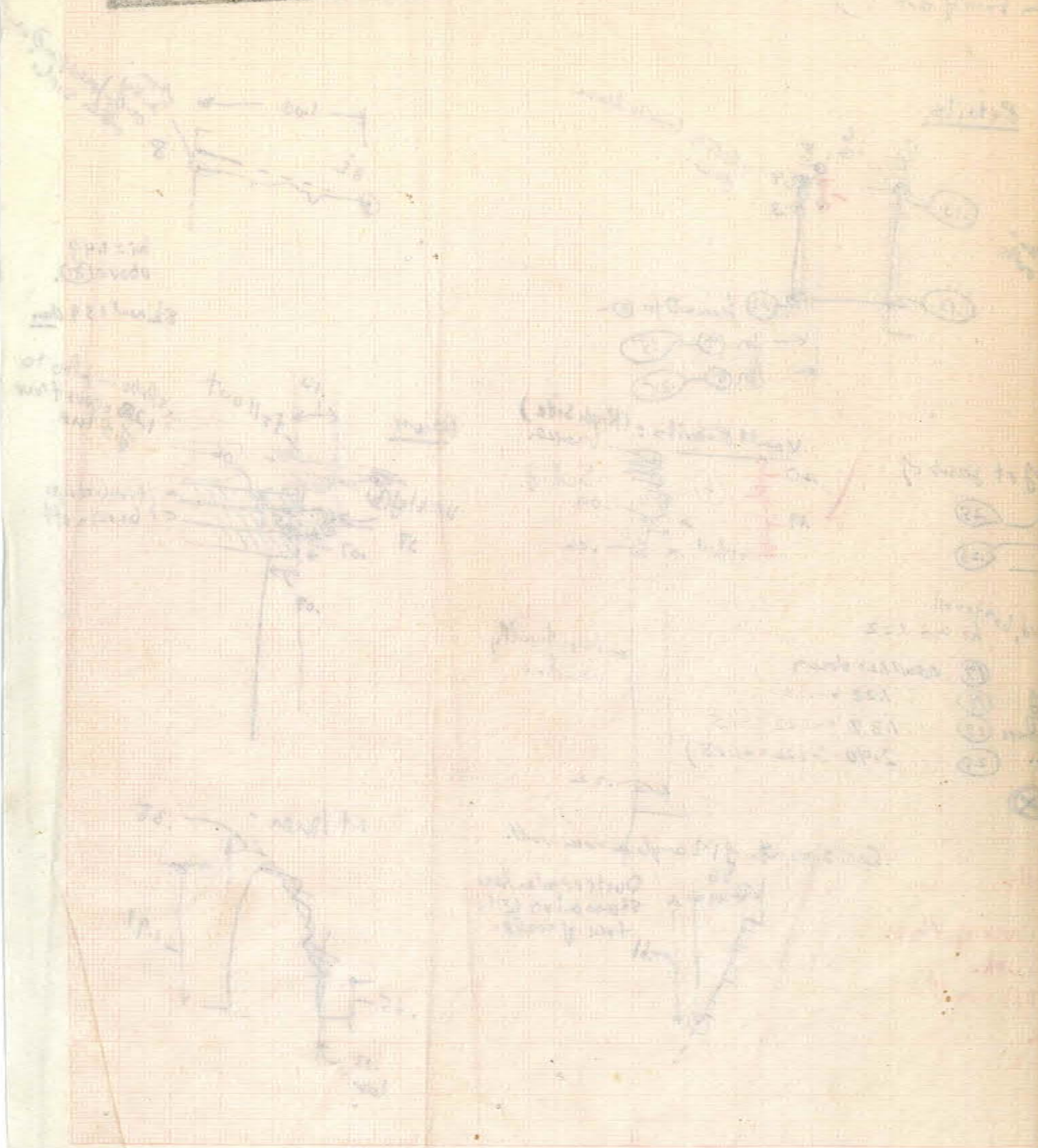


Vault Details: (Right Side)

| | |
|----|------------------------|
| 17 | read 1.21 down |
| 18 | " 1.28 " |
| 19 | " 1.37 " |
| 20 | " 2.40 - (1.22) = 1.18 |

Sec. 2.50 at 152 angle on rear wall.





| to one = 100 | |
|--------------|-------|
| 100.0 | 100.0 |
| 99.5 | 99.5 |
| 99.0 | 99.0 |
| 98.5 | 98.5 |
| 98.0 | 98.0 |
| 97.5 | 97.5 |
| 97.0 | 97.0 |
| 96.5 | 96.5 |
| 96.0 | 96.0 |
| 95.5 | 95.5 |
| 95.0 | 95.0 |
| 94.5 | 94.5 |
| 94.0 | 94.0 |
| 93.5 | 93.5 |
| 93.0 | 93.0 |
| 92.5 | 92.5 |
| 92.0 | 92.0 |
| 91.5 | 91.5 |
| 91.0 | 91.0 |
| 90.5 | 90.5 |
| 90.0 | 90.0 |
| 89.5 | 89.5 |
| 89.0 | 89.0 |
| 88.5 | 88.5 |
| 88.0 | 88.0 |
| 87.5 | 87.5 |
| 87.0 | 87.0 |
| 86.5 | 86.5 |
| 86.0 | 86.0 |
| 85.5 | 85.5 |
| 85.0 | 85.0 |
| 84.5 | 84.5 |
| 84.0 | 84.0 |
| 83.5 | 83.5 |
| 83.0 | 83.0 |
| 82.5 | 82.5 |
| 82.0 | 82.0 |
| 81.5 | 81.5 |
| 81.0 | 81.0 |
| 80.5 | 80.5 |
| 80.0 | 80.0 |
| 79.5 | 79.5 |
| 79.0 | 79.0 |
| 78.5 | 78.5 |
| 78.0 | 78.0 |
| 77.5 | 77.5 |
| 77.0 | 77.0 |
| 76.5 | 76.5 |
| 76.0 | 76.0 |
| 75.5 | 75.5 |
| 75.0 | 75.0 |
| 74.5 | 74.5 |
| 74.0 | 74.0 |
| 73.5 | 73.5 |
| 73.0 | 73.0 |
| 72.5 | 72.5 |
| 72.0 | 72.0 |
| 71.5 | 71.5 |
| 71.0 | 71.0 |
| 70.5 | 70.5 |
| 70.0 | 70.0 |
| 69.5 | 69.5 |
| 69.0 | 69.0 |
| 68.5 | 68.5 |
| 68.0 | 68.0 |
| 67.5 | 67.5 |
| 67.0 | 67.0 |
| 66.5 | 66.5 |
| 66.0 | 66.0 |
| 65.5 | 65.5 |
| 65.0 | 65.0 |
| 64.5 | 64.5 |
| 64.0 | 64.0 |
| 63.5 | 63.5 |
| 63.0 | 63.0 |
| 62.5 | 62.5 |
| 62.0 | 62.0 |
| 61.5 | 61.5 |
| 61.0 | 61.0 |
| 60.5 | 60.5 |
| 60.0 | 60.0 |
| 59.5 | 59.5 |
| 59.0 | 59.0 |
| 58.5 | 58.5 |
| 58.0 | 58.0 |
| 57.5 | 57.5 |
| 57.0 | 57.0 |
| 56.5 | 56.5 |
| 56.0 | 56.0 |
| 55.5 | 55.5 |
| 55.0 | 55.0 |
| 54.5 | 54.5 |
| 54.0 | 54.0 |
| 53.5 | 53.5 |
| 53.0 | 53.0 |
| 52.5 | 52.5 |
| 52.0 | 52.0 |
| 51.5 | 51.5 |
| 51.0 | 51.0 |
| 50.5 | 50.5 |
| 50.0 | 50.0 |
| 49.5 | 49.5 |
| 49.0 | 49.0 |
| 48.5 | 48.5 |
| 48.0 | 48.0 |
| 47.5 | 47.5 |
| 47.0 | 47.0 |
| 46.5 | 46.5 |
| 46.0 | 46.0 |
| 45.5 | 45.5 |
| 45.0 | 45.0 |
| 44.5 | 44.5 |
| 44.0 | 44.0 |
| 43.5 | 43.5 |
| 43.0 | 43.0 |
| 42.5 | 42.5 |
| 42.0 | 42.0 |
| 41.5 | 41.5 |
| 41.0 | 41.0 |
| 40.5 | 40.5 |
| 40.0 | 40.0 |
| 39.5 | 39.5 |
| 39.0 | 39.0 |
| 38.5 | 38.5 |
| 38.0 | 38.0 |
| 37.5 | 37.5 |
| 37.0 | 37.0 |
| 36.5 | 36.5 |
| 36.0 | 36.0 |
| 35.5 | 35.5 |
| 35.0 | 35.0 |
| 34.5 | 34.5 |
| 34.0 | 34.0 |
| 33.5 | 33.5 |
| 33.0 | 33.0 |
| 32.5 | 32.5 |
| 32.0 | 32.0 |
| 31.5 | 31.5 |
| 31.0 | 31.0 |
| 30.5 | 30.5 |
| 30.0 | 30.0 |
| 29.5 | 29.5 |
| 29.0 | 29.0 |
| 28.5 | 28.5 |
| 28.0 | 28.0 |
| 27.5 | 27.5 |
| 27.0 | 27.0 |
| 26.5 | 26.5 |
| 26.0 | 26.0 |
| 25.5 | 25.5 |
| 25.0 | 25.0 |
| 24.5 | 24.5 |
| 24.0 | 24.0 |
| 23.5 | 23.5 |
| 23.0 | 23.0 |
| 22.5 | 22.5 |
| 22.0 | 22.0 |
| 21.5 | 21.5 |
| 21.0 | 21.0 |
| 20.5 | 20.5 |
| 20.0 | 20.0 |
| 19.5 | 19.5 |
| 19.0 | 19.0 |
| 18.5 | 18.5 |
| 18.0 | 18.0 |
| 17.5 | 17.5 |
| 17.0 | 17.0 |
| 16.5 | 16.5 |
| 16.0 | 16.0 |
| 15.5 | 15.5 |
| 15.0 | 15.0 |
| 14.5 | 14.5 |
| 14.0 | 14.0 |
| 13.5 | 13.5 |
| 13.0 | 13.0 |
| 12.5 | 12.5 |
| 12.0 | 12.0 |
| 11.5 | 11.5 |
| 11.0 | 11.0 |
| 10.5 | 10.5 |
| 10.0 | 10.0 |
| 9.5 | 9.5 |
| 9.0 | 9.0 |
| 8.5 | 8.5 |
| 8.0 | 8.0 |
| 7.5 | 7.5 |
| 7.0 | 7.0 |
| 6.5 | 6.5 |
| 6.0 | 6.0 |
| 5.5 | 5.5 |
| 5.0 | 5.0 |
| 4.5 | 4.5 |
| 4.0 | 4.0 |
| 3.5 | 3.5 |
| 3.0 | 3.0 |
| 2.5 | 2.5 |
| 2.0 | 2.0 |
| 1.5 | 1.5 |
| 1.0 | 1.0 |
| 0.5 | 0.5 |
| 0.0 | 0.0 |

1936

PIEDRAS NEGRAS_____193____STR_____

OP. No. _____ MUSEUM CAT. _____

SCALE _____ SEE PHOTO Nos. _____

REMARKS _____

5-29
 PIEDRAS NEGRAS May 1936 STR. J-29

OP. No. MUSEUM CAT.

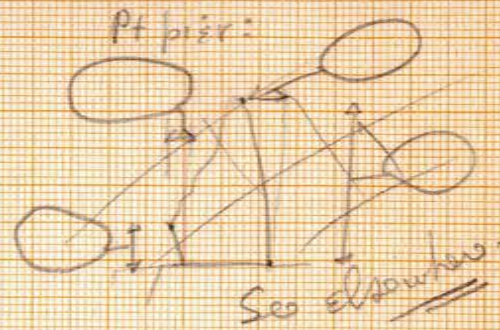
SCALE SEE PHOTO NOS.

REMARKS Elevation, Plan, Section, high Panel of Substructure.
 Section, front outside terrace.

hi = +.05

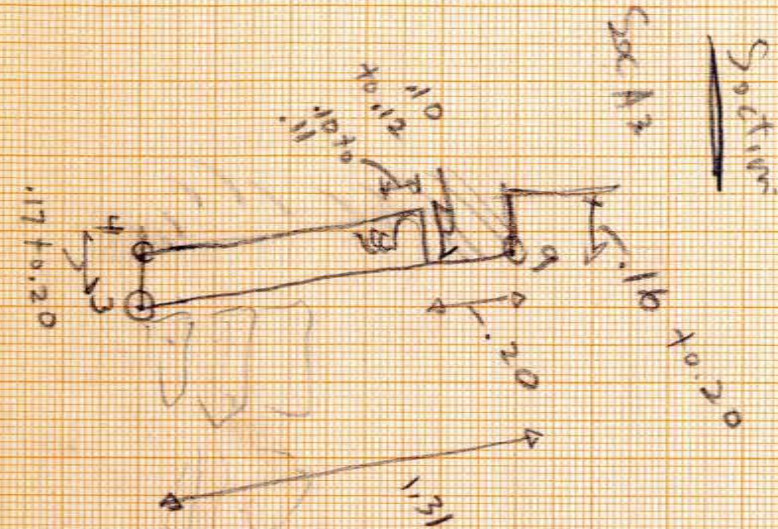
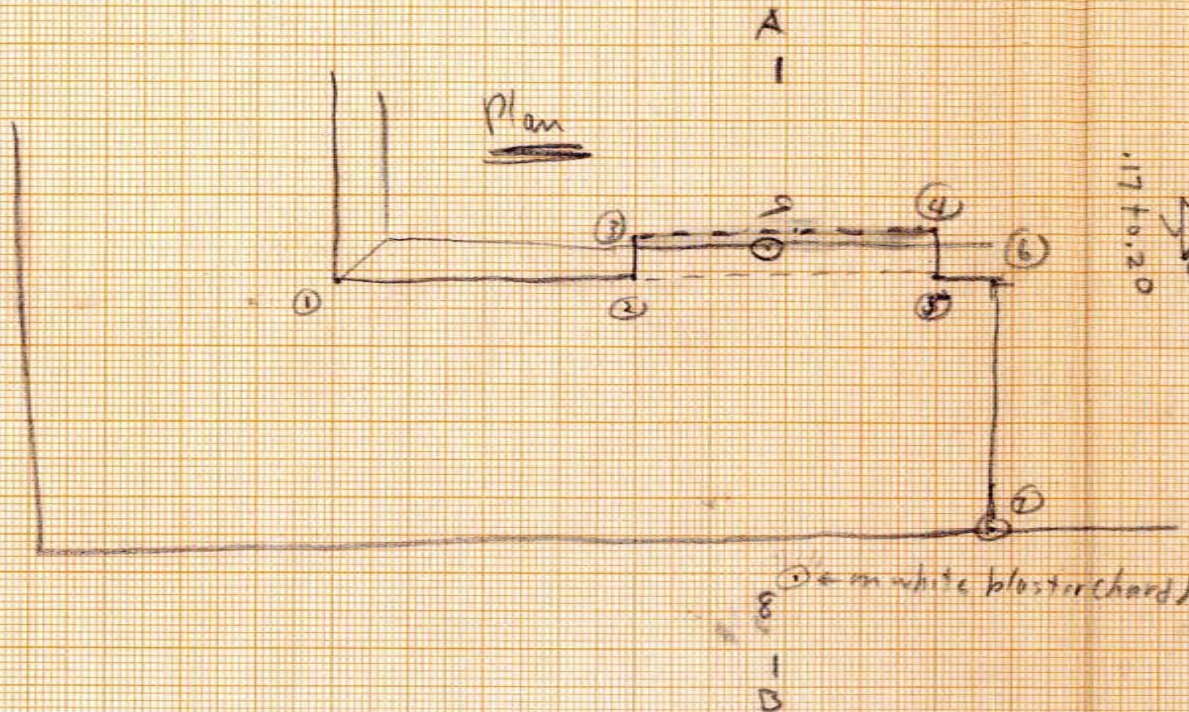
- ① 1.93 - .05 = 1.88
- ② 3.64 (up down) - .05 = 3.59

① in plan sheet
 ② Sect. front
 outer terrace
 wall of platform
 on pyramid

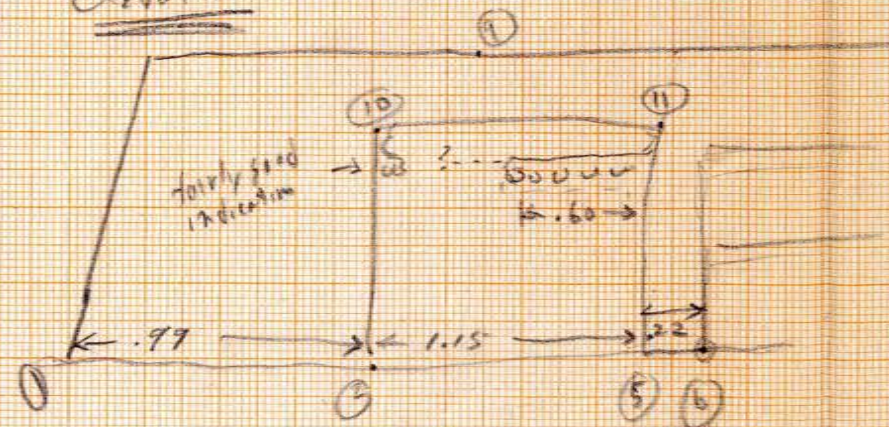


hi = +.05

- 1 new dam: 1.36
- 2 1.35
- 3 1.28
- 8 1.30
- 9 .01



Elevation:



- 5 - 5.32 (P.B) 2.10 (7)
- 2 - 1.72 (34 (T.P)) 3.24 (7) .99 (1)

- ③ to ⑪ 1.55 (on plane of wall.)
- ⑤ to ⑩ 1.45
- ⑤ to ⑪ 1.00
- ③ to ⑩ 1.03

Fig. 102

| | |
|---|------|
| 1 | 1.30 |
| 2 | 1.25 |
| 3 | 1.28 |
| 4 | 1.31 |
| 5 | 1.34 |

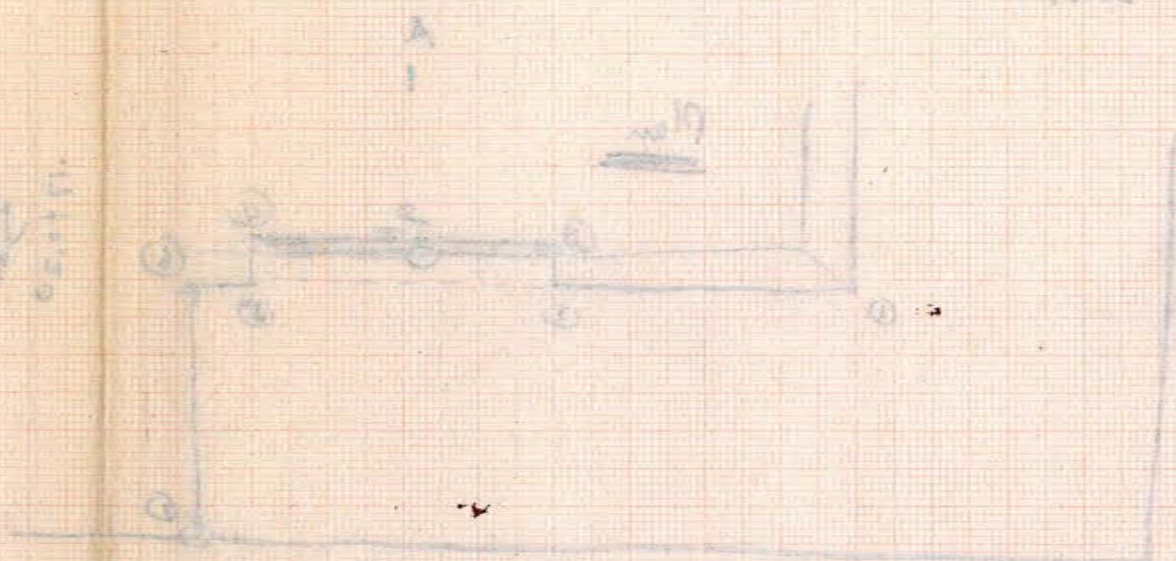
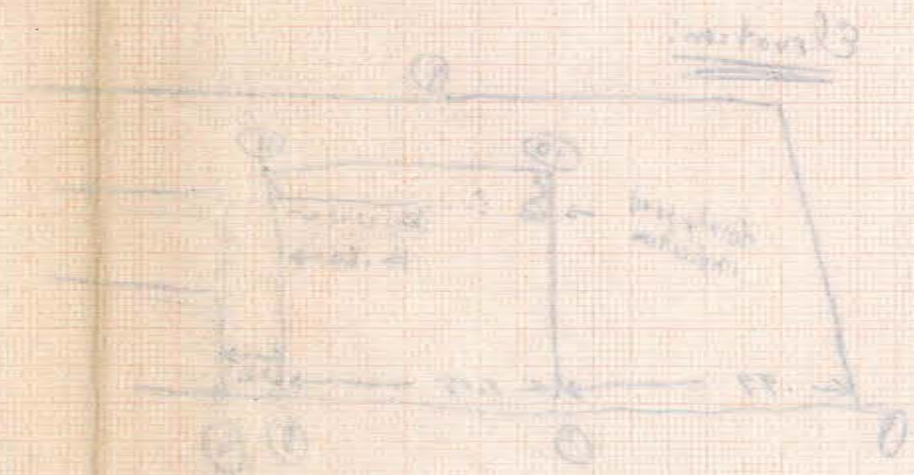


Fig. 102
1.30
1.25
1.28
1.31
1.34



Fig. 102
1.30
1.25
1.28
1.31
1.34

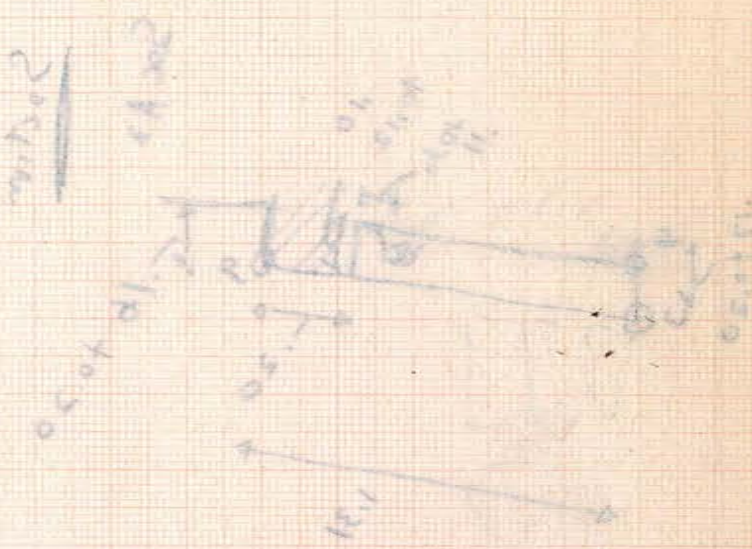


Fig. 102
1.30
1.25
1.28
1.31
1.34

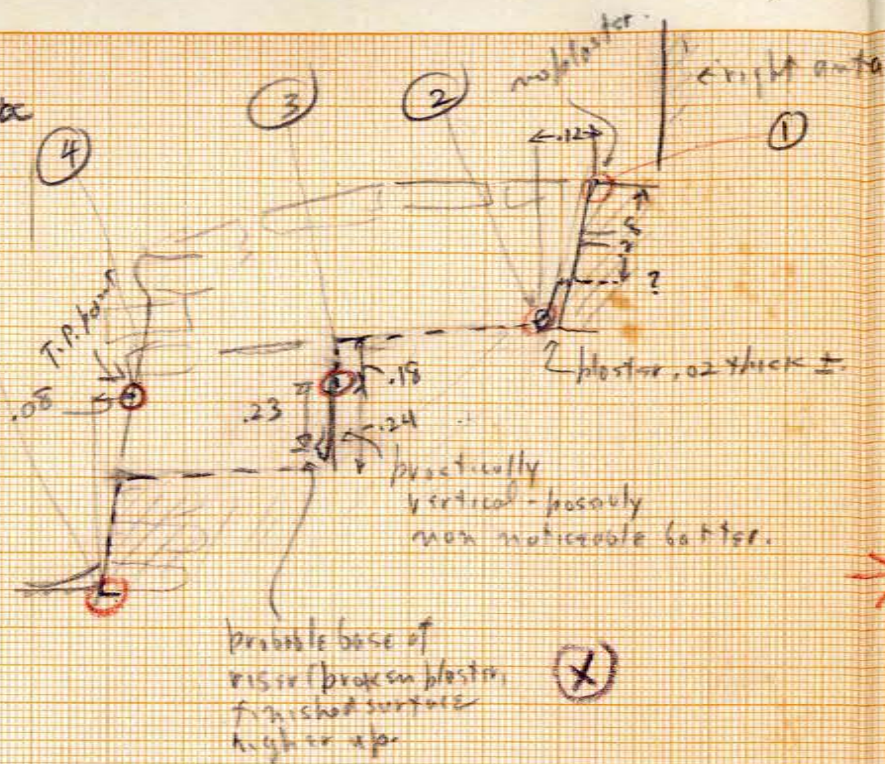
REMARKS
SEE PHOTO NOS
SCALE

OP. NO. MUSEUM CAT.

PIEDRAS NEGRAS STR. 100

From Steps, Period II &

Sect. 30 ± left of balustrade.



Horizontal distance - from edge of plinth.

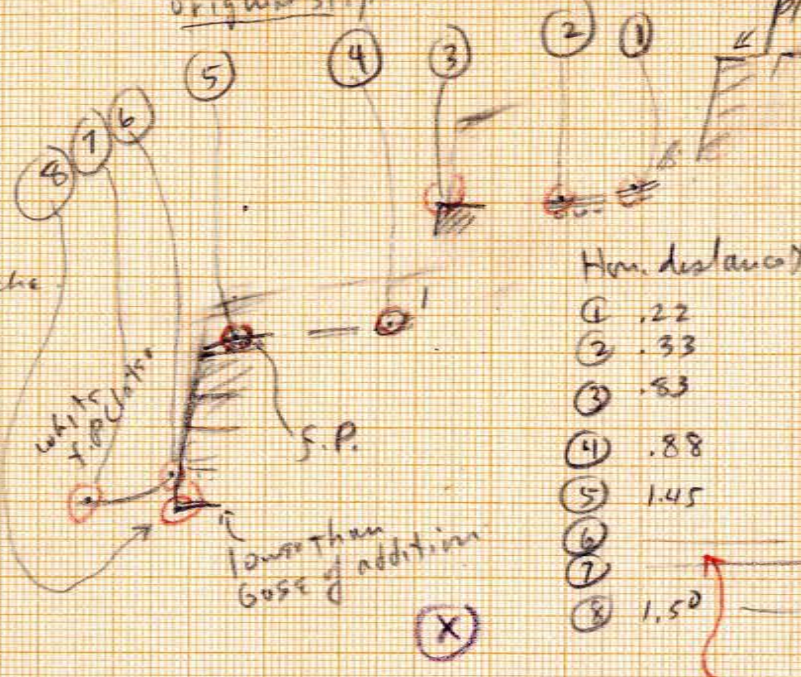
- ① 0.00
- ② .12
- ③ .83
- ④ 1.45
- ⑤ 1.53

hi = 1.19 (floor 2 run niche)

- ① read 1.5 d.
- ② .56 d.
- ③ .82 d.
- ④ .82 d.
- ⑤ 1.40 d.

Sodium From Steps, Period II &

Sect. 50 ± left of rt side of original steps

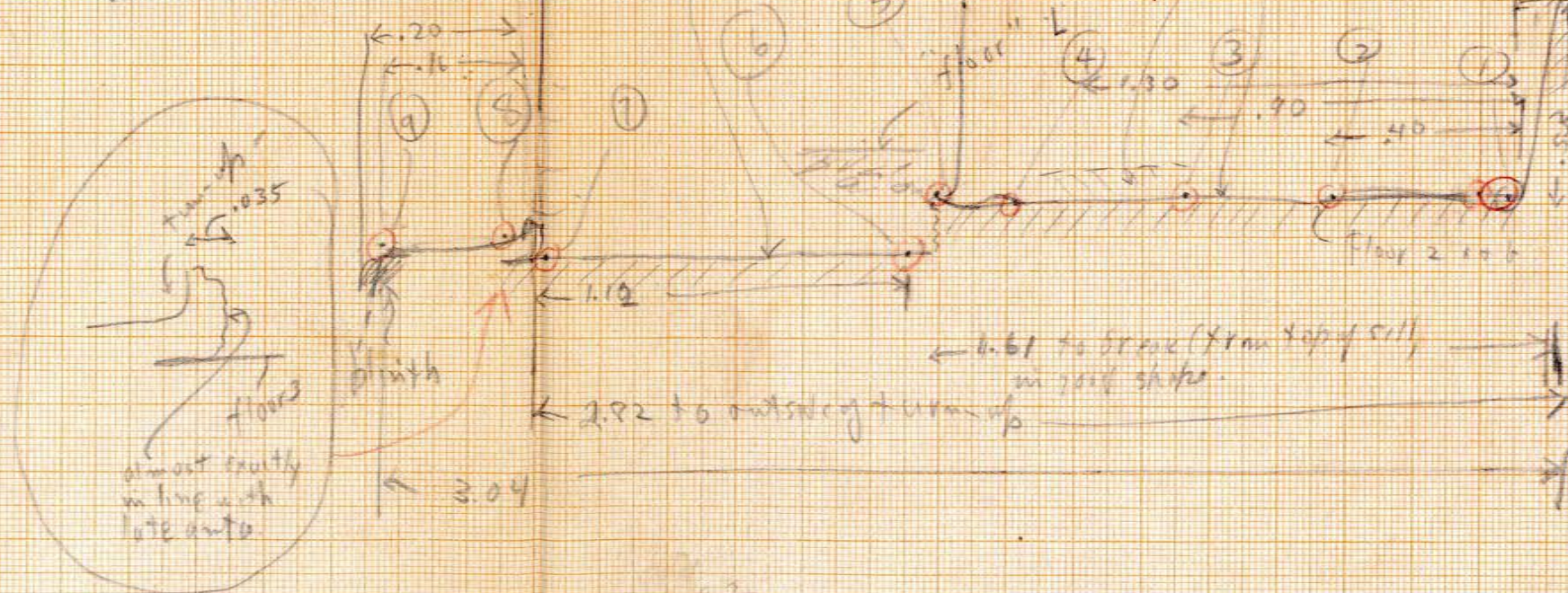


Horizontal distance from plinth

- ① .22
- ② .33
- ③ .83
- ④ .88
- ⑤ 1.45
- ⑥ 1.50
- ⑦ 1.42
- ⑧ 1.43

PIEDRAS NEGRAS May 1936 STR J-29
MUSEUM CAT.

SCALE SEE PHOTO Nos.
REMARKS Sodium Steps + Room at right.
Note on Plan of Substructure.



hi = 1.19

- ① read .10
- ② .08
- ③ .07
- ④ .08
- ⑤ .08
- ⑥ .16
- ⑦ .14
- ⑧ .13

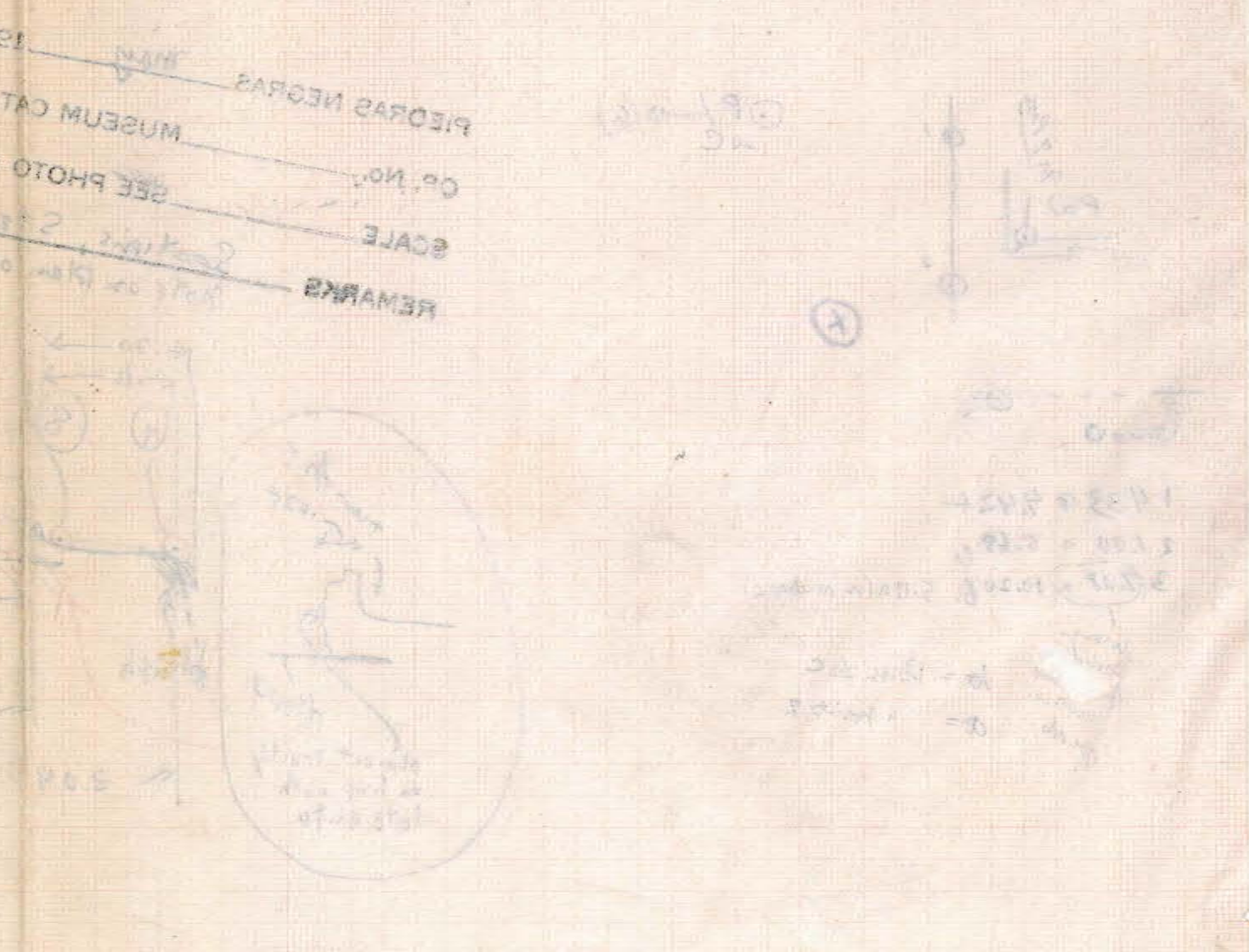
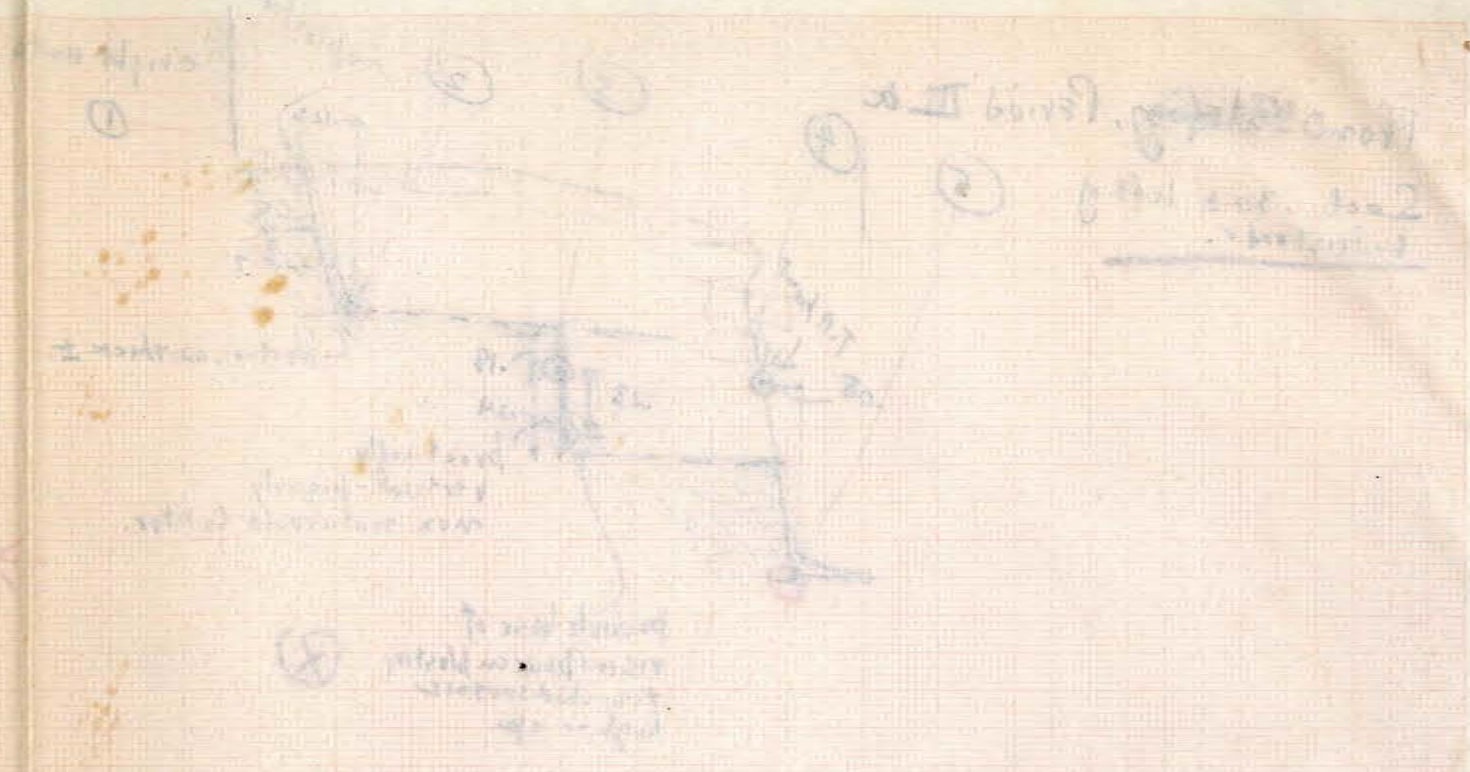
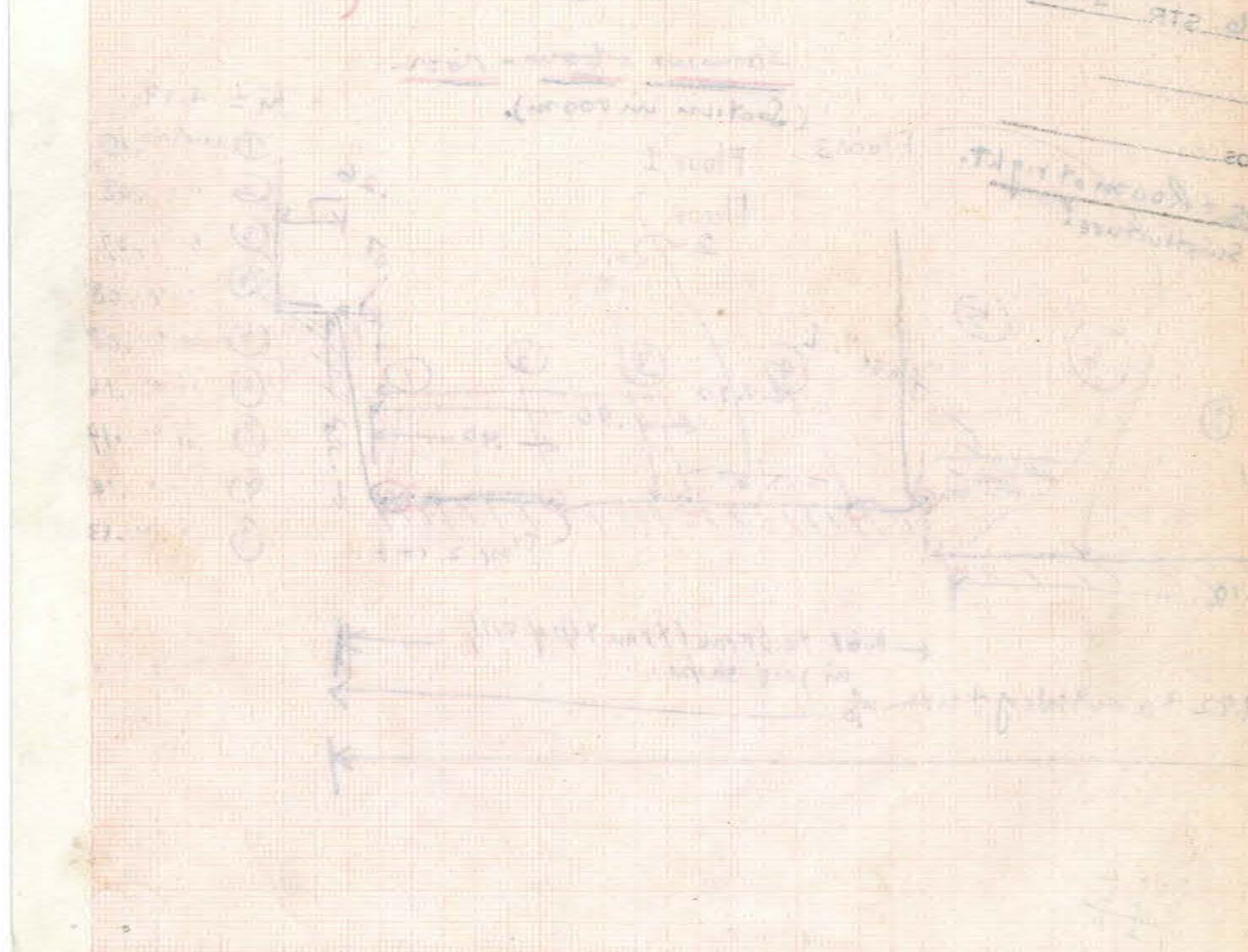
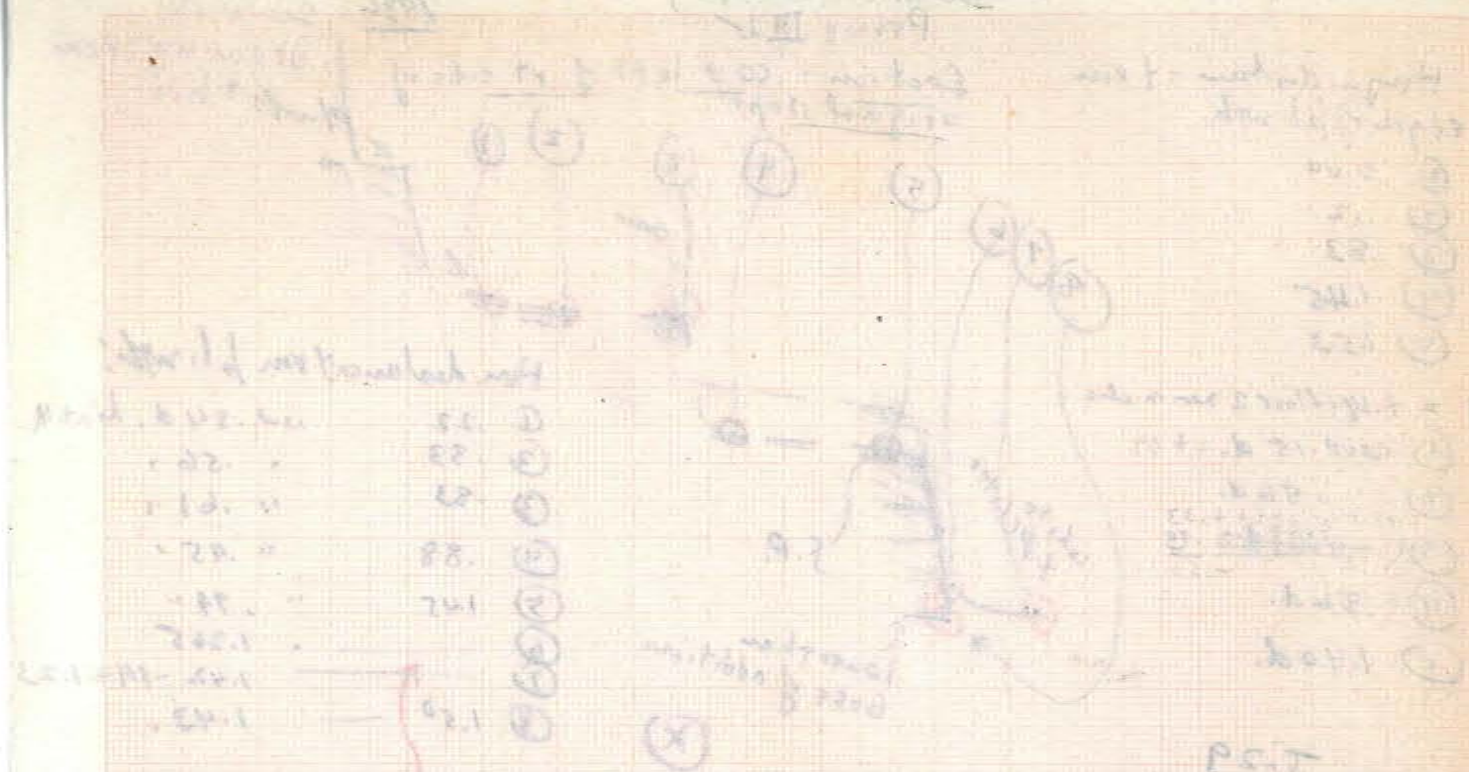
1433 & 4424

21.00 & 5.68

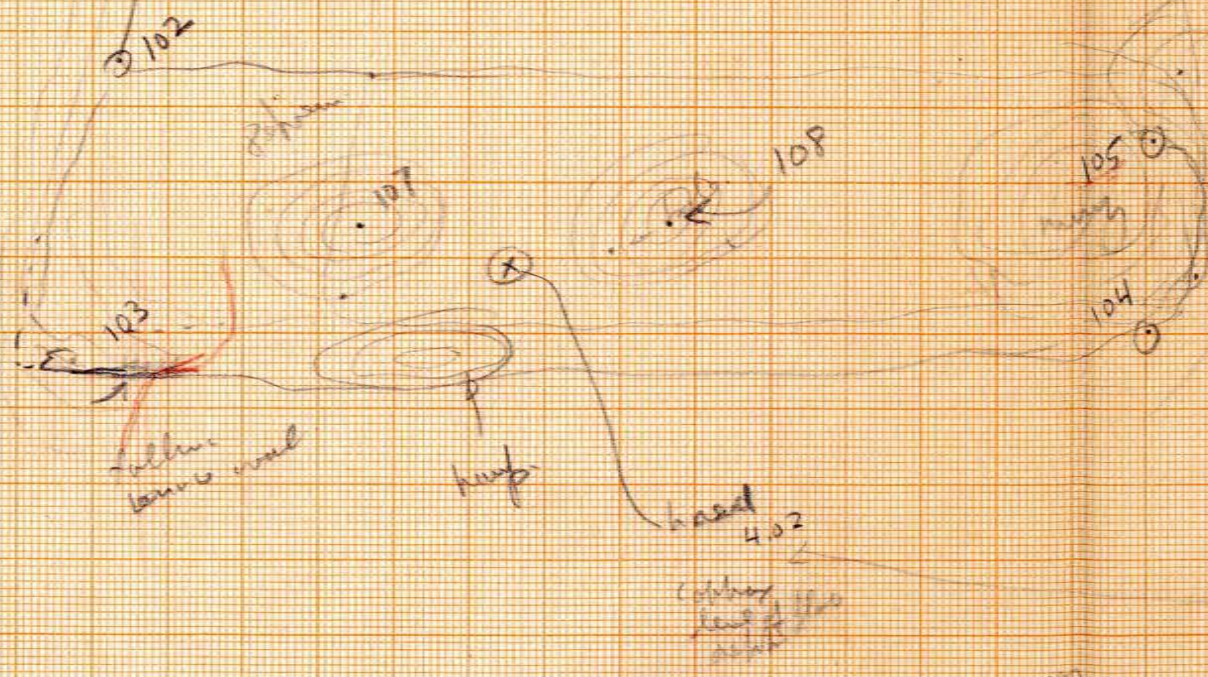
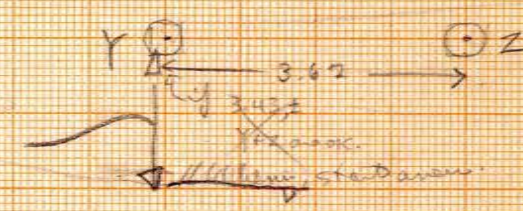
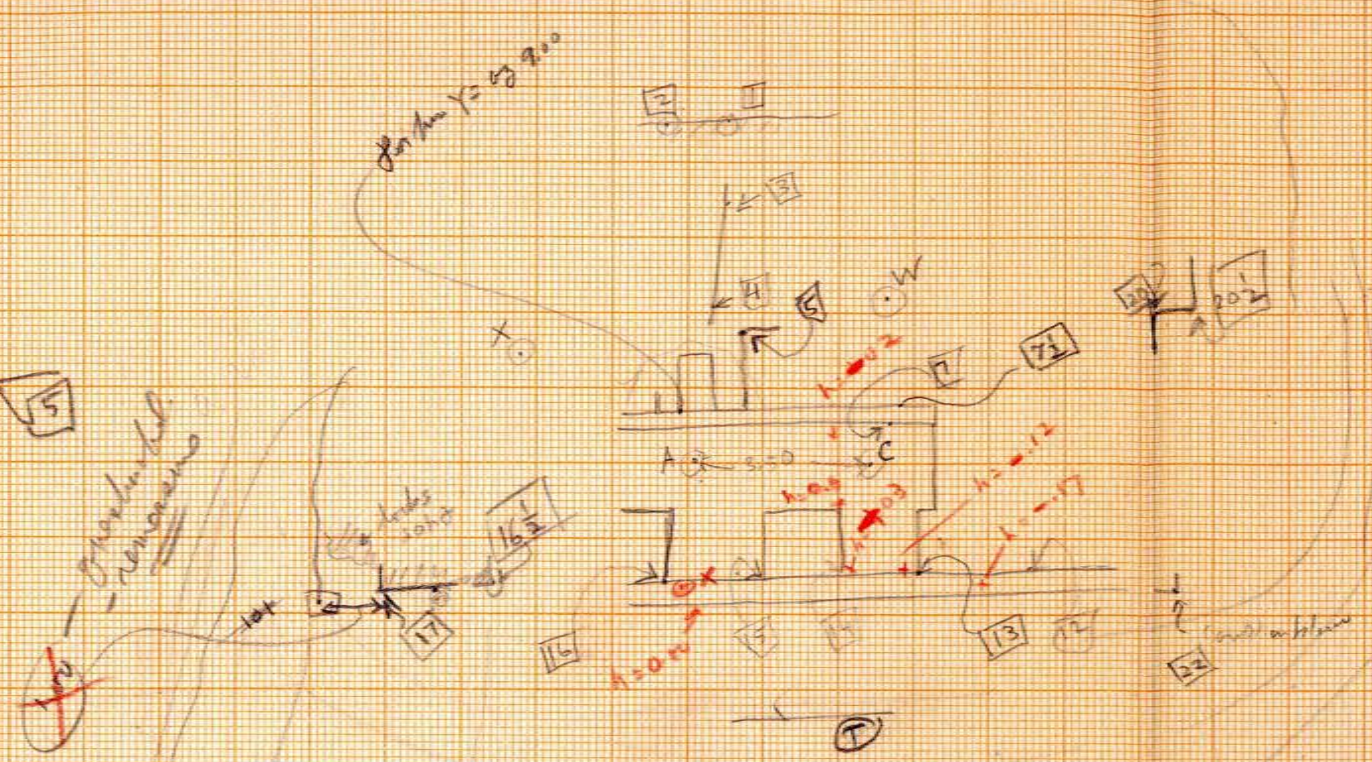
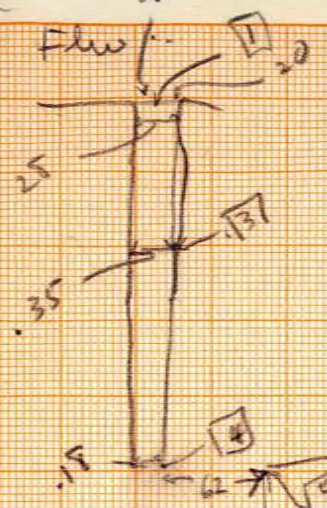
3 7.38 & 10.206, 5.11a (in no-shape)

1a = Pms. Δc
a = 1 unit 7

2-28-52



KEUR
Hood
Wm Z
ESSER CO., N. Y. NO. 389-141
Millinery
12.5



| | Y | X | Z |
|-----------------|----|---|-------------|
| Y to B = 6.16 | | | |
| Y to 15 = 4.83 | 16 | | 1.5 325.4 |
| Z to 15 = 5.12 | | | |
| Z to 16 = 6.105 | 15 | | 21.5 339 |
| Z to 13 = 4.44 | 14 | | 34.75 352.5 |
| Y to A = 6.56 | 13 | | 49.1 13.6 |
| Z to A = 7.31 | 12 | | 58.5 31. |
| Y to C = 7.26 | A | | 9.8 338.1 |
| Z to C = 6.17 | | | |

| | 22 to 20 1/2 | 20 1/2 to 20 | 14 hr LF (assumed) |
|-----|--------------|--------------|--------------------|
| 1 | 22.75 | 20.5 | 6.75 |
| 2 | 22.75 | 20.5 | 6.75 |
| 3 | 22.75 | 20.5 | 6.75 |
| 4 | 22.75 | 20.5 | 6.75 |
| 5 | 22.75 | 20.5 | 6.75 |
| 6 | 22.75 | 20.5 | 6.75 |
| 7 | 22.75 | 20.5 | 6.75 |
| 8 | 22.75 | 20.5 | 6.75 |
| 9 | 22.75 | 20.5 | 6.75 |
| 10 | 22.75 | 20.5 | 6.75 |
| 11 | 22.75 | 20.5 | 6.75 |
| 12 | 22.75 | 20.5 | 6.75 |
| 13 | 22.75 | 20.5 | 6.75 |
| 14 | 22.75 | 20.5 | 6.75 |
| 15 | 22.75 | 20.5 | 6.75 |
| 16 | 22.75 | 20.5 | 6.75 |
| 17 | 22.75 | 20.5 | 6.75 |
| 18 | 22.75 | 20.5 | 6.75 |
| 19 | 22.75 | 20.5 | 6.75 |
| 20 | 22.75 | 20.5 | 6.75 |
| 21 | 22.75 | 20.5 | 6.75 |
| 22 | 22.75 | 20.5 | 6.75 |
| 23 | 22.75 | 20.5 | 6.75 |
| 24 | 22.75 | 20.5 | 6.75 |
| 25 | 22.75 | 20.5 | 6.75 |
| 26 | 22.75 | 20.5 | 6.75 |
| 27 | 22.75 | 20.5 | 6.75 |
| 28 | 22.75 | 20.5 | 6.75 |
| 29 | 22.75 | 20.5 | 6.75 |
| 30 | 22.75 | 20.5 | 6.75 |
| 31 | 22.75 | 20.5 | 6.75 |
| 32 | 22.75 | 20.5 | 6.75 |
| 33 | 22.75 | 20.5 | 6.75 |
| 34 | 22.75 | 20.5 | 6.75 |
| 35 | 22.75 | 20.5 | 6.75 |
| 36 | 22.75 | 20.5 | 6.75 |
| 37 | 22.75 | 20.5 | 6.75 |
| 38 | 22.75 | 20.5 | 6.75 |
| 39 | 22.75 | 20.5 | 6.75 |
| 40 | 22.75 | 20.5 | 6.75 |
| 41 | 22.75 | 20.5 | 6.75 |
| 42 | 22.75 | 20.5 | 6.75 |
| 43 | 22.75 | 20.5 | 6.75 |
| 44 | 22.75 | 20.5 | 6.75 |
| 45 | 22.75 | 20.5 | 6.75 |
| 46 | 22.75 | 20.5 | 6.75 |
| 47 | 22.75 | 20.5 | 6.75 |
| 48 | 22.75 | 20.5 | 6.75 |
| 49 | 22.75 | 20.5 | 6.75 |
| 50 | 22.75 | 20.5 | 6.75 |
| 51 | 22.75 | 20.5 | 6.75 |
| 52 | 22.75 | 20.5 | 6.75 |
| 53 | 22.75 | 20.5 | 6.75 |
| 54 | 22.75 | 20.5 | 6.75 |
| 55 | 22.75 | 20.5 | 6.75 |
| 56 | 22.75 | 20.5 | 6.75 |
| 57 | 22.75 | 20.5 | 6.75 |
| 58 | 22.75 | 20.5 | 6.75 |
| 59 | 22.75 | 20.5 | 6.75 |
| 60 | 22.75 | 20.5 | 6.75 |
| 61 | 22.75 | 20.5 | 6.75 |
| 62 | 22.75 | 20.5 | 6.75 |
| 63 | 22.75 | 20.5 | 6.75 |
| 64 | 22.75 | 20.5 | 6.75 |
| 65 | 22.75 | 20.5 | 6.75 |
| 66 | 22.75 | 20.5 | 6.75 |
| 67 | 22.75 | 20.5 | 6.75 |
| 68 | 22.75 | 20.5 | 6.75 |
| 69 | 22.75 | 20.5 | 6.75 |
| 70 | 22.75 | 20.5 | 6.75 |
| 71 | 22.75 | 20.5 | 6.75 |
| 72 | 22.75 | 20.5 | 6.75 |
| 73 | 22.75 | 20.5 | 6.75 |
| 74 | 22.75 | 20.5 | 6.75 |
| 75 | 22.75 | 20.5 | 6.75 |
| 76 | 22.75 | 20.5 | 6.75 |
| 77 | 22.75 | 20.5 | 6.75 |
| 78 | 22.75 | 20.5 | 6.75 |
| 79 | 22.75 | 20.5 | 6.75 |
| 80 | 22.75 | 20.5 | 6.75 |
| 81 | 22.75 | 20.5 | 6.75 |
| 82 | 22.75 | 20.5 | 6.75 |
| 83 | 22.75 | 20.5 | 6.75 |
| 84 | 22.75 | 20.5 | 6.75 |
| 85 | 22.75 | 20.5 | 6.75 |
| 86 | 22.75 | 20.5 | 6.75 |
| 87 | 22.75 | 20.5 | 6.75 |
| 88 | 22.75 | 20.5 | 6.75 |
| 89 | 22.75 | 20.5 | 6.75 |
| 90 | 22.75 | 20.5 | 6.75 |
| 91 | 22.75 | 20.5 | 6.75 |
| 92 | 22.75 | 20.5 | 6.75 |
| 93 | 22.75 | 20.5 | 6.75 |
| 94 | 22.75 | 20.5 | 6.75 |
| 95 | 22.75 | 20.5 | 6.75 |
| 96 | 22.75 | 20.5 | 6.75 |
| 97 | 22.75 | 20.5 | 6.75 |
| 98 | 22.75 | 20.5 | 6.75 |
| 99 | 22.75 | 20.5 | 6.75 |
| 100 | 22.75 | 20.5 | 6.75 |

| | | | |
|-----|------|--------|---|
| 101 | X | 304 | 4502 |
| 102 | | 2.45 | 253-3.70 |
| 103 | | 233.25 | 242.5 <small>mean value</small>
-490 L |
| 104 | | 150 | 168-4.072 |
| 105 | 1000 | 377.75 | 100.5 <small>Summation</small>
104 |
| 106 | | 103.25 | 245.52.32 |
| 107 | | 277.5 | 251.5 |
| 108 | | 172 | 206.5-4.14 |
| ⑤ | | | 4.02 |

$$22 \text{ m} \times 20 \text{ m} = 10.5$$

(hay dest) 4.35

$$\begin{array}{r} 169.50 \\ 675 \\ \hline 176.25 \end{array}$$

$h = 1.30$
 $\text{Temp. } 10$
 (T)

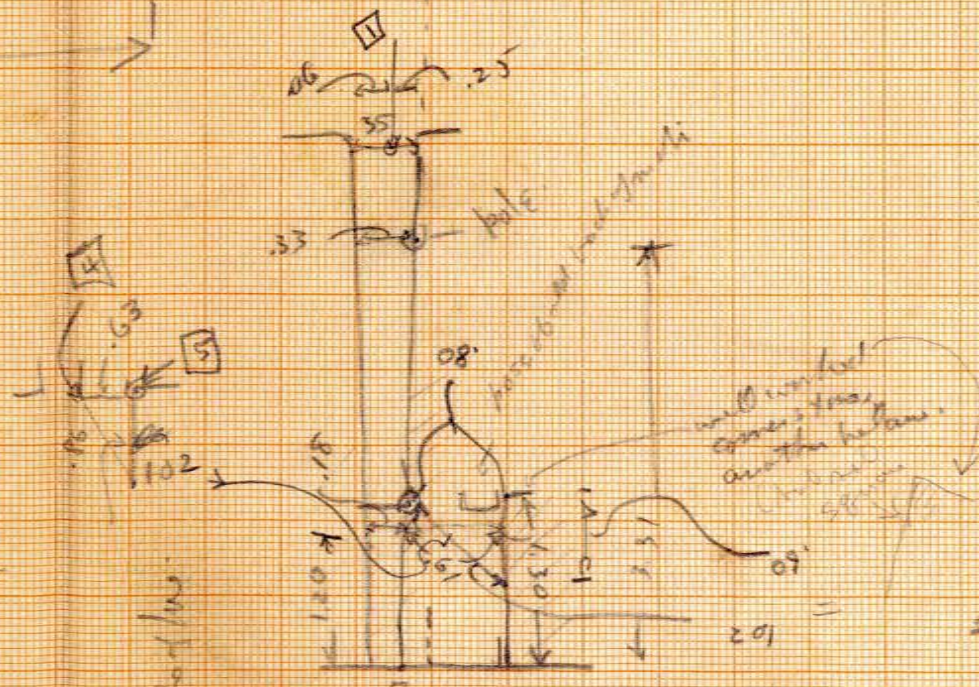
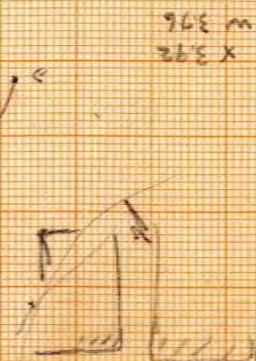
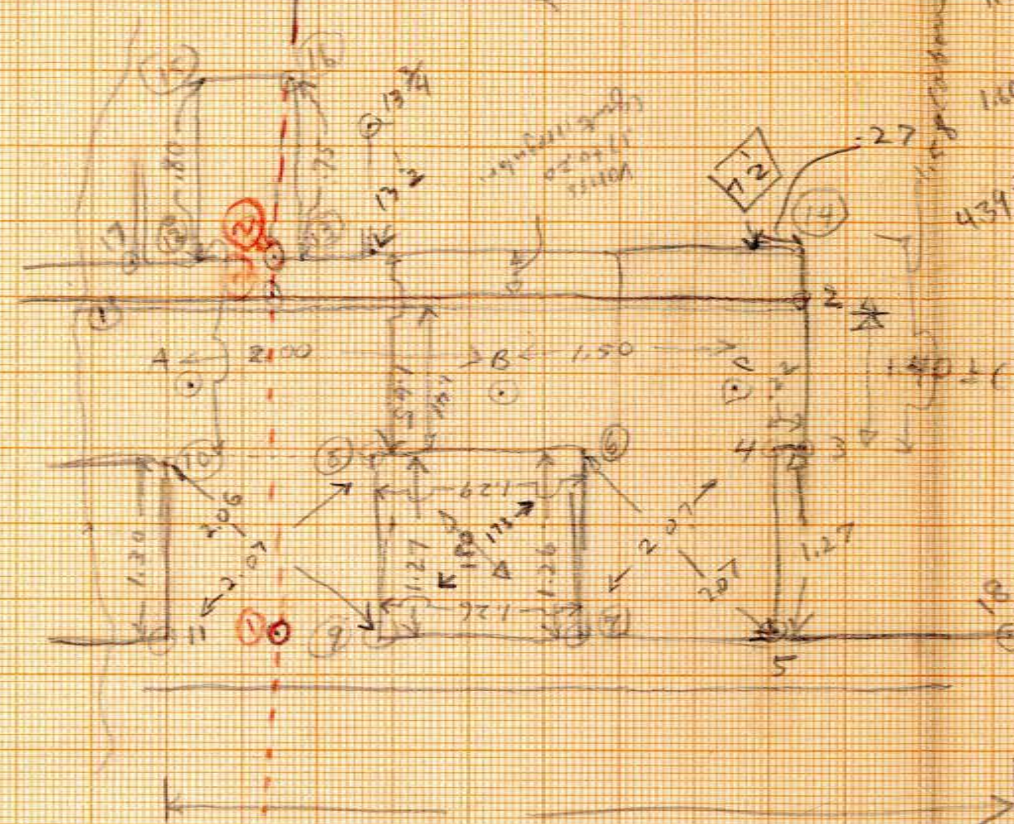
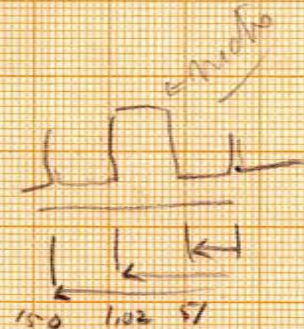
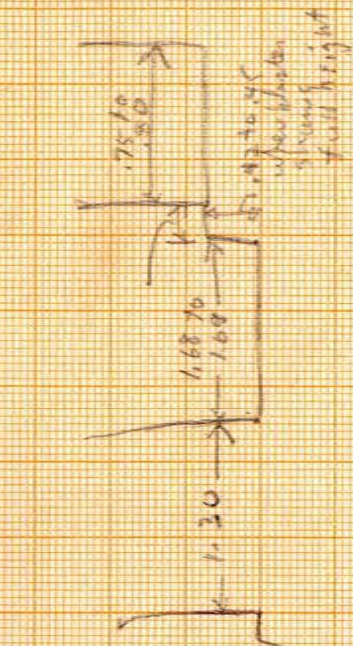
J-29 -
Measurements
for Plan.

—

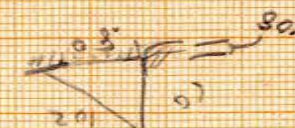
1

Figure 1. The effect of the concentration of the polymer solution on the gelation time of the polymer solution.

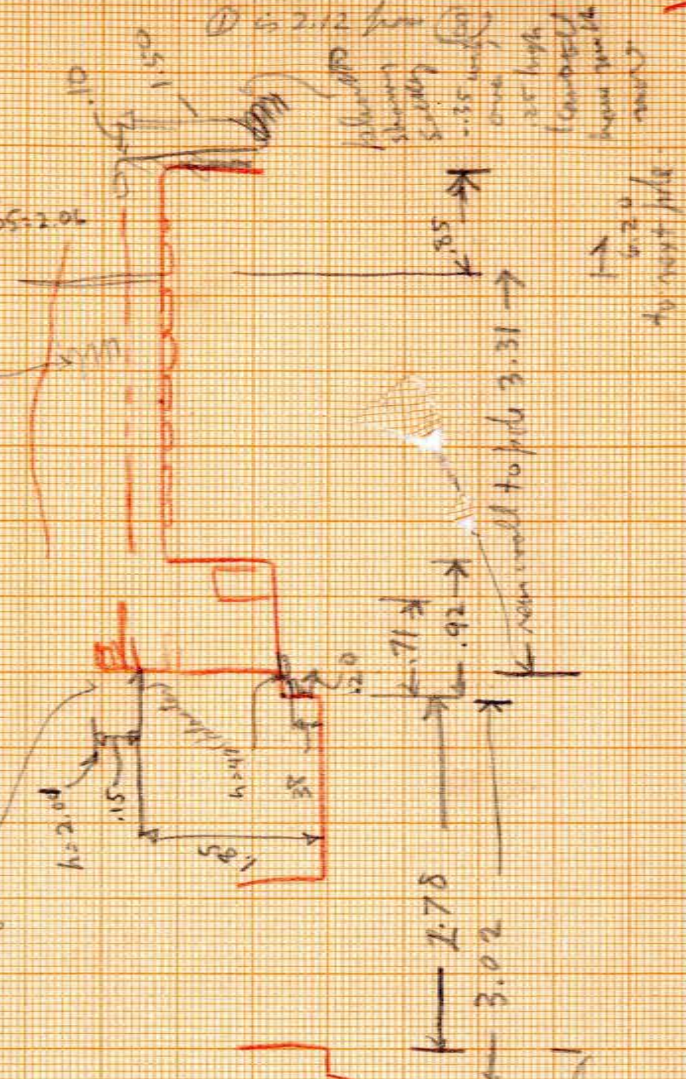
10

[illegible]

Red: Saline
through red pt ①,
at 45 to outside
front.



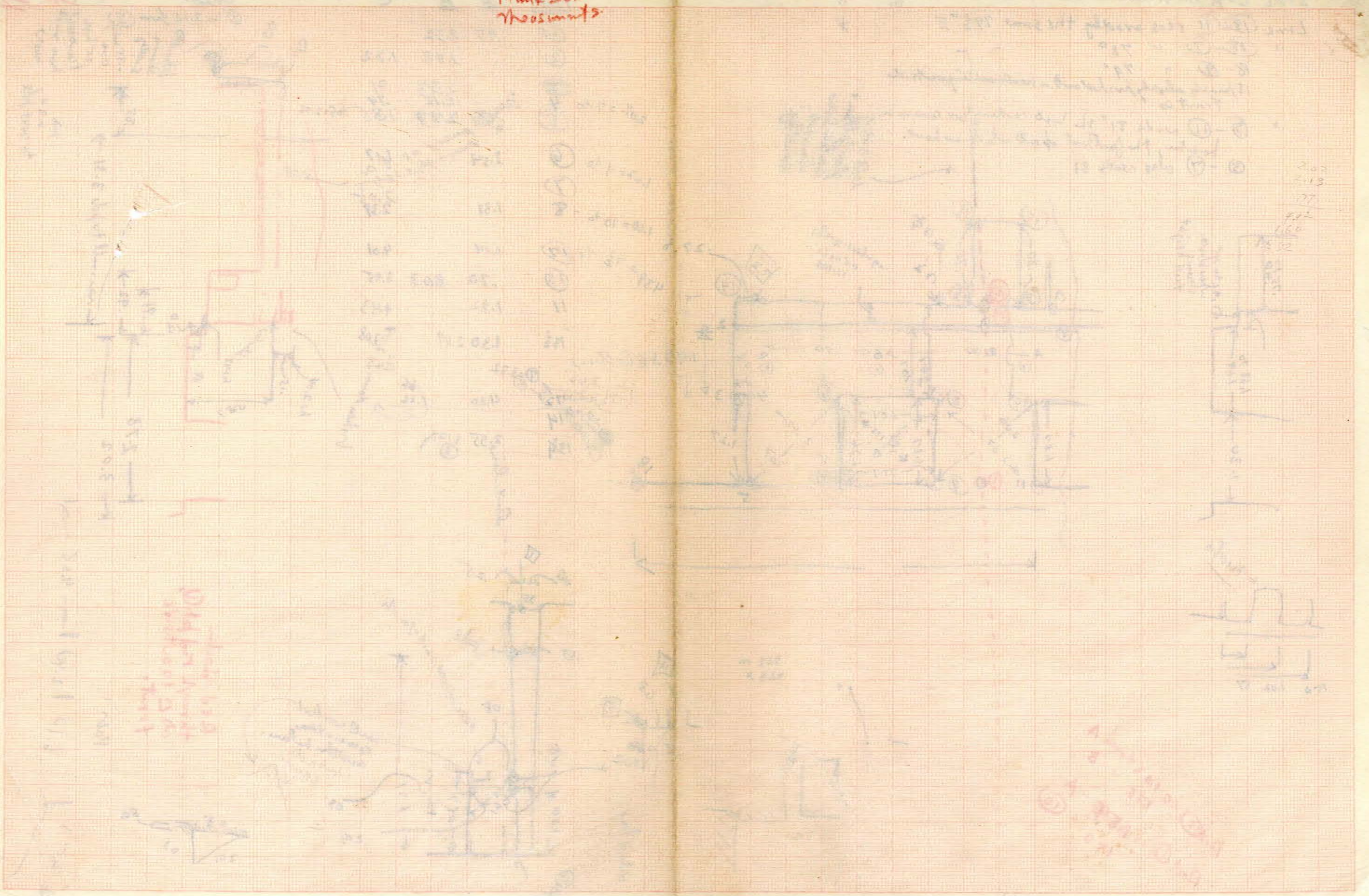
| Point | A | B | C |
|--------------------------------|------|------|------|
| ① | 97 | 2.52 | |
| ② | | 2.48 | 1.22 |
| ③ | | 2.33 | .71 |
| 4 | 3 | 2.12 | .74 |
| ⑤ | 4.62 | 2.77 | 1.85 |
| ⑥ | | 2.54 | 1.17 |
| ⑦ | | | 2.05 |
| 8 | | 1.31 | 2.39 |
| ①7 | | 1.14 | 4.01 |
| ⑩ | | .70 | 3.03 |
| 11 | | 1.92 | 4.43 |
| 13 ¹ / ₂ | | 1.30 | 2.47 |
| ①2 ³ / ₄ | | | 3.08 |
| ①3 ³ / ₄ | | | 3.08 |
| 14 | | 4.20 | 1.26 |
| 13 ³ / ₄ | | 2.55 | 3.10 |



$P_{10} \textcircled{2} \text{ is } 1.43 \text{ from A}$
 178 " B
 $P_{10} \textcircled{1} \text{ is } 1.89 \text{ " A}$
 150 " (10)

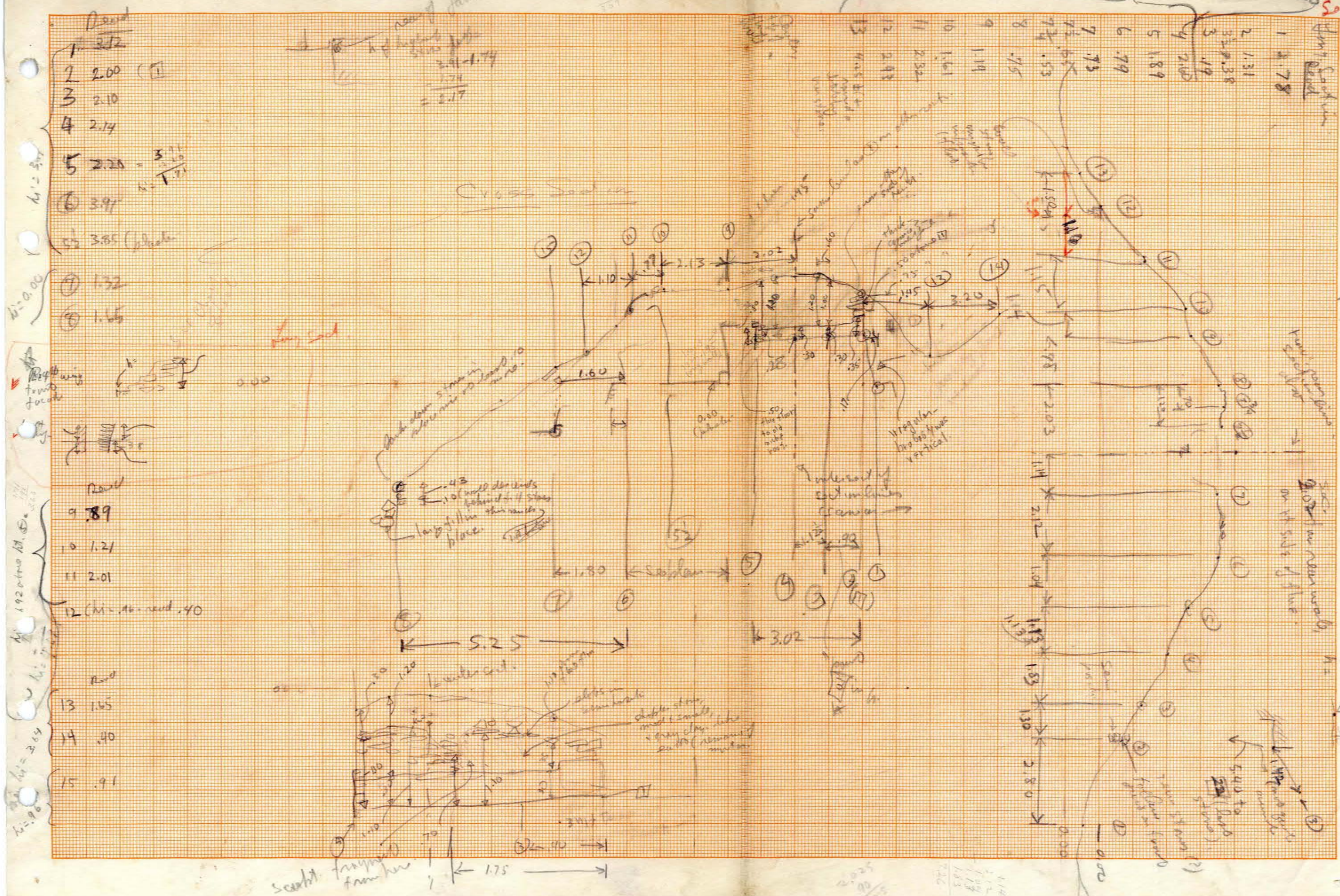
2/325(162)

I-29
 - Plan + Sect. -2
 Theosmunt.



hghh.20 (endocann - .44)

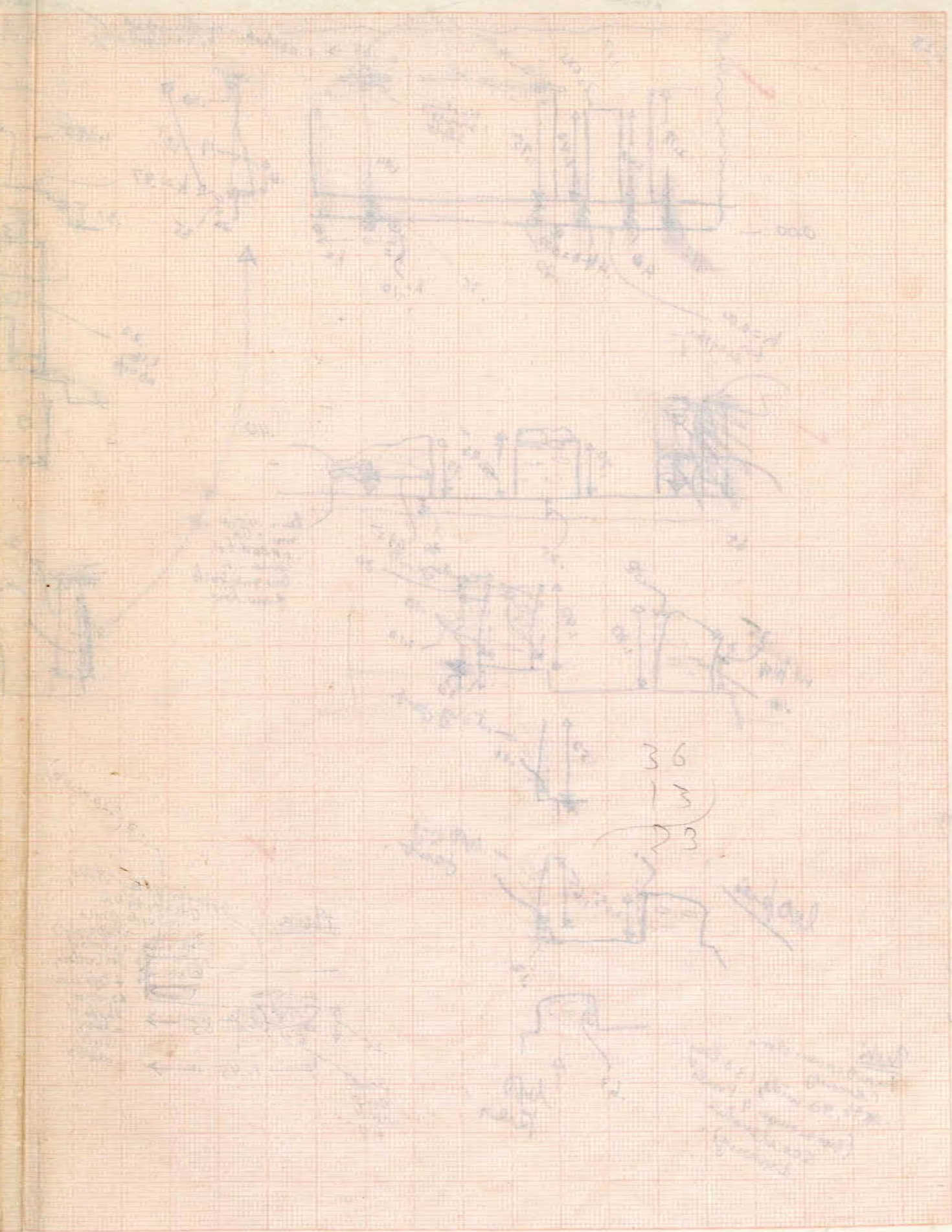
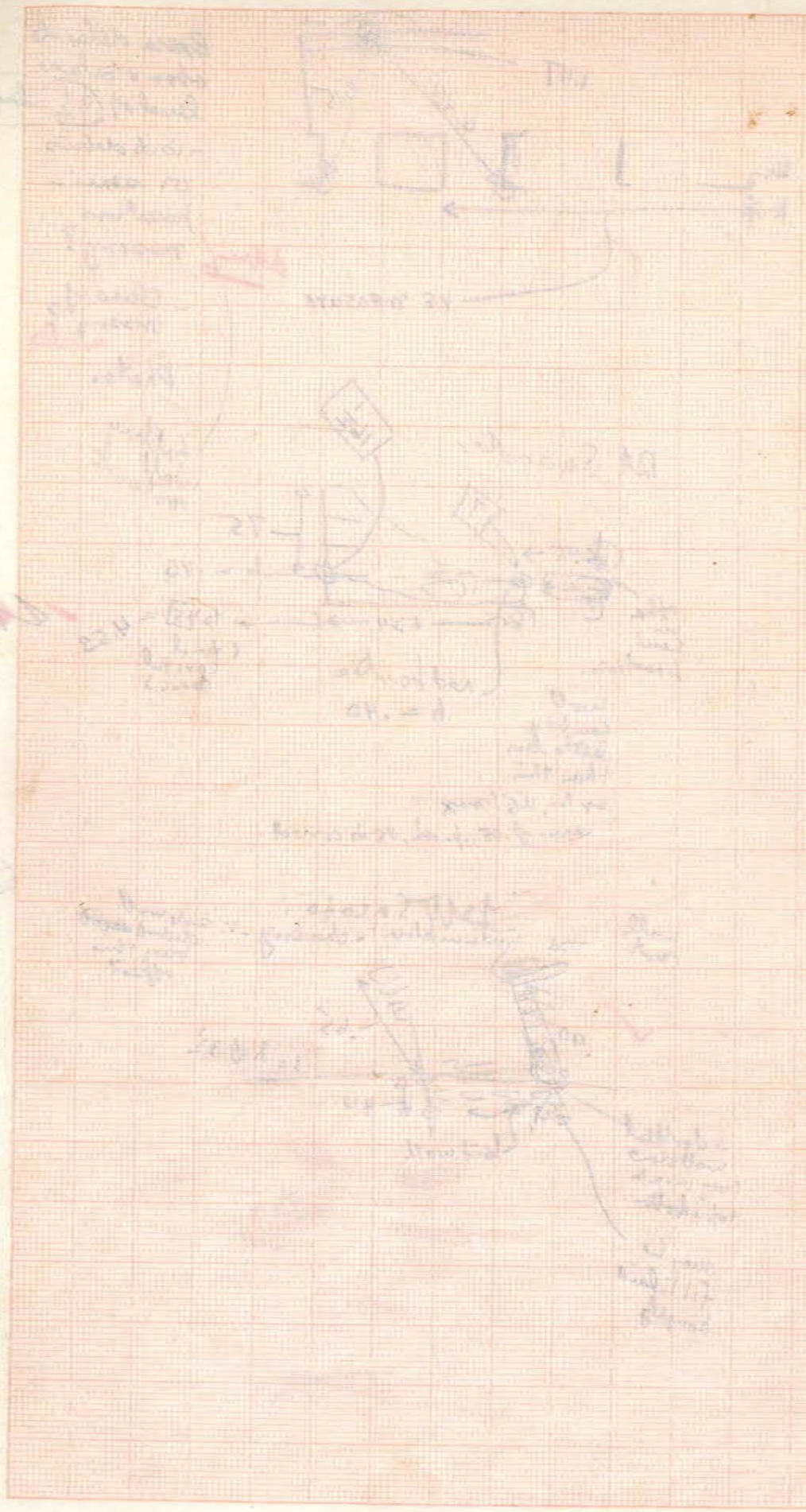
3-5



Levelled Soils

J-29-4

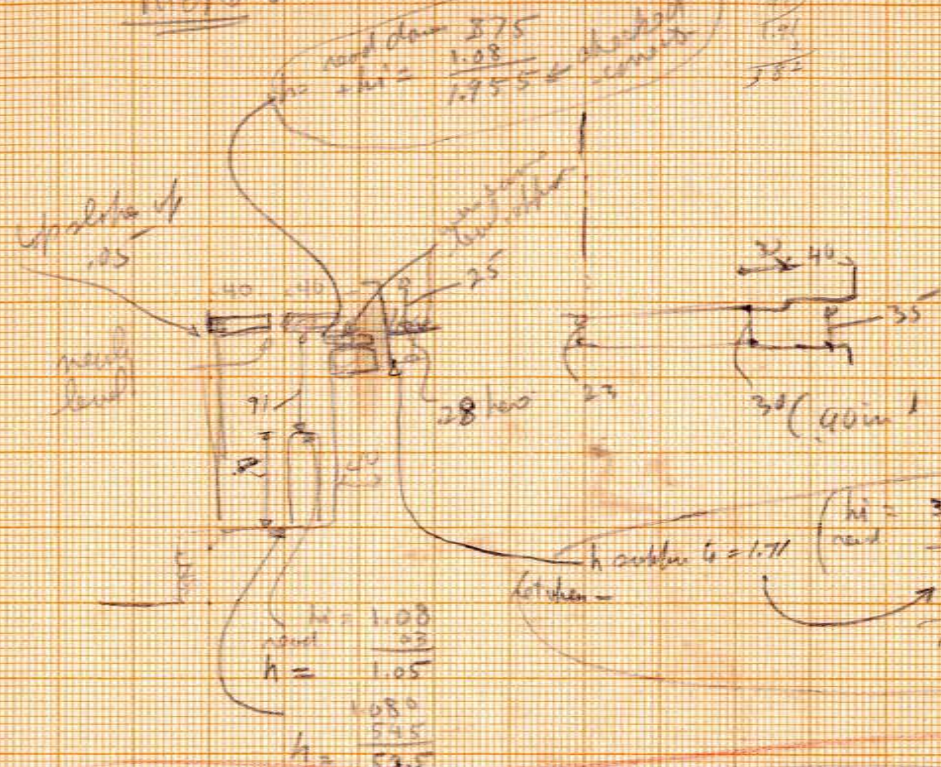
Detail
Measurements



170
30
180

also rub faced sheet in 329

Completed side elev. of
Niche:



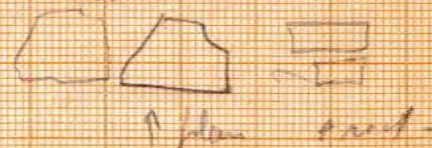
535

top grade

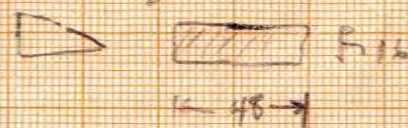


near wall from
about slot-like blocks
but in 30 x 40
no flat floor
same as in

near wall from
about slot-like blocks
but in 30 x 40
no flat floor
same as in

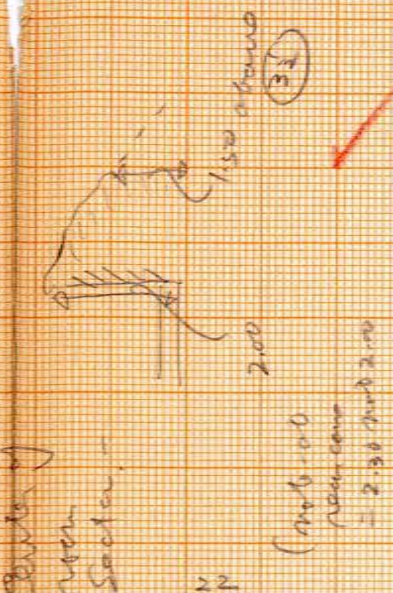


Stems in left corner of
mg. nich. raised - possibly
support on under side
exposed edge - Archer

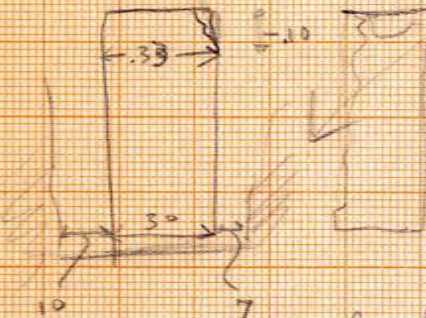


329
12/10/00 Moos. 4-15

top view:



center
near
section



1. p. top is slightly
lower than
as seen from
front only (not
as seen from side)
only noted when
not noted, including
near.

Fluo - is laid up with
small stones like plaster
general.

83 (large
helix no)

Niche - how do you
20 up from front?
slope up .05
1.87(?) to 1.95?

1. p. of rear
from niche.

locate altar
laterally.
Is it direct behind?

2nd wall level (Tide
- full have for below
mark on wall? (2))

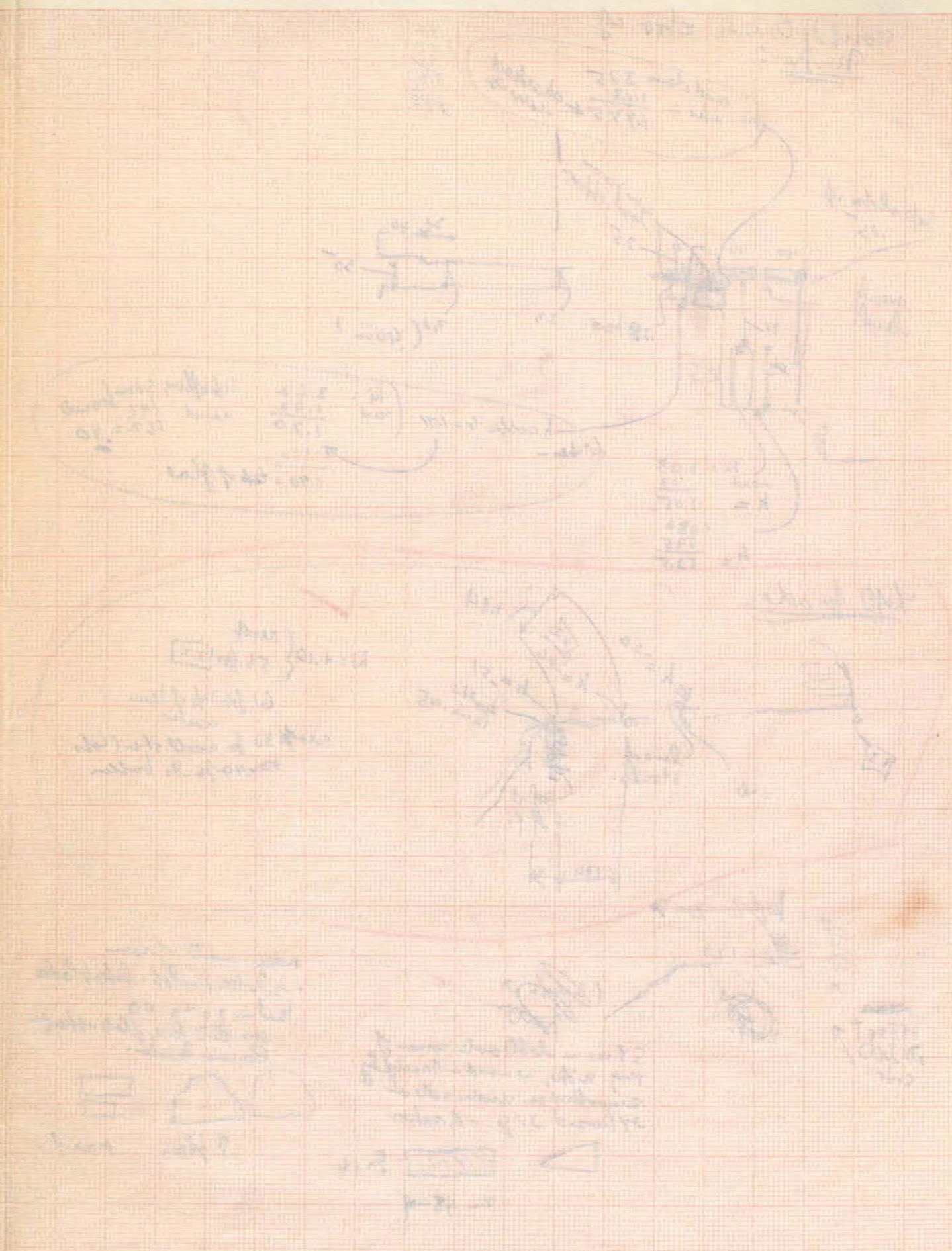
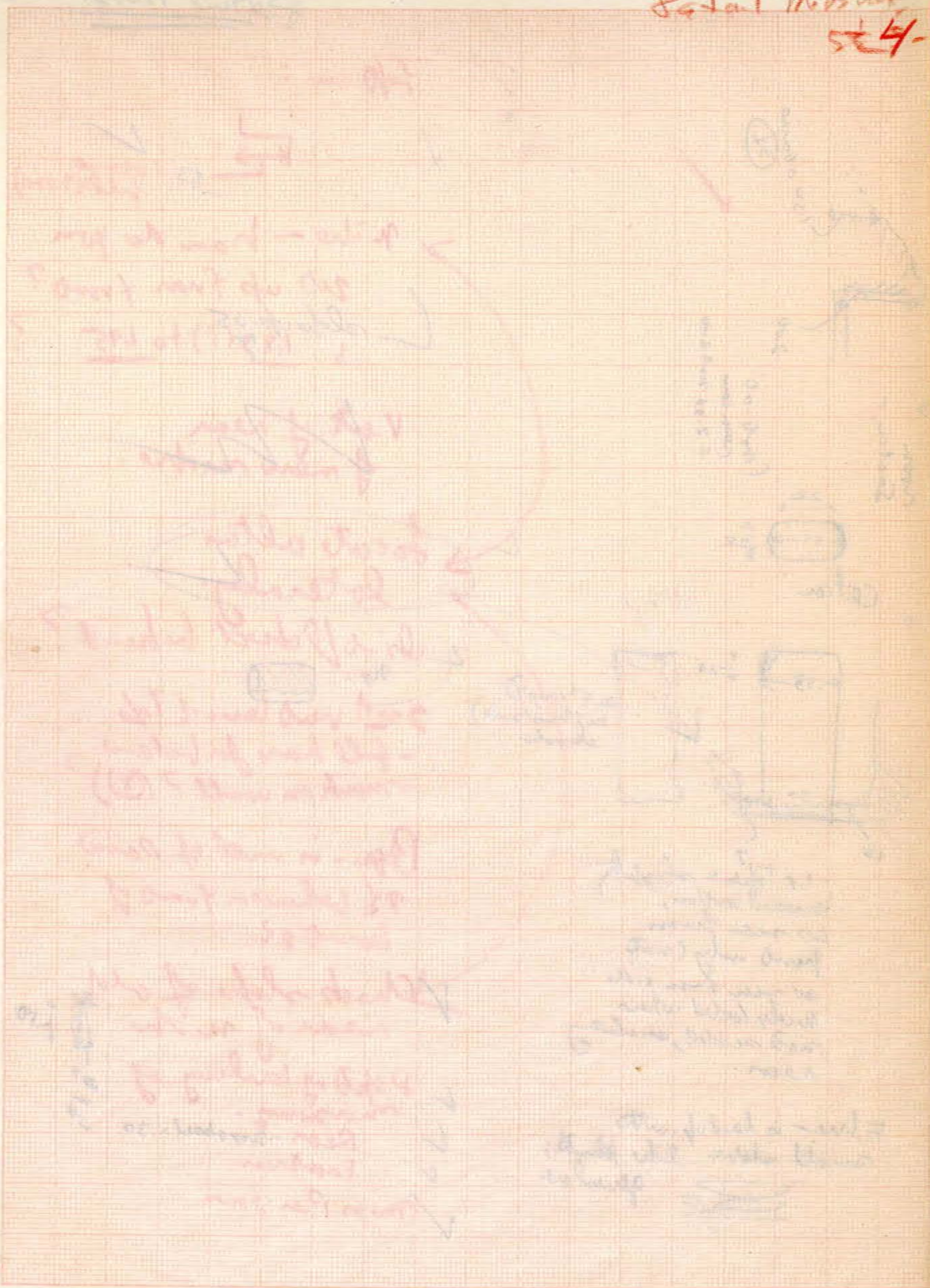
Repr. in mid of panel
9 1/2 (when from of
front?)

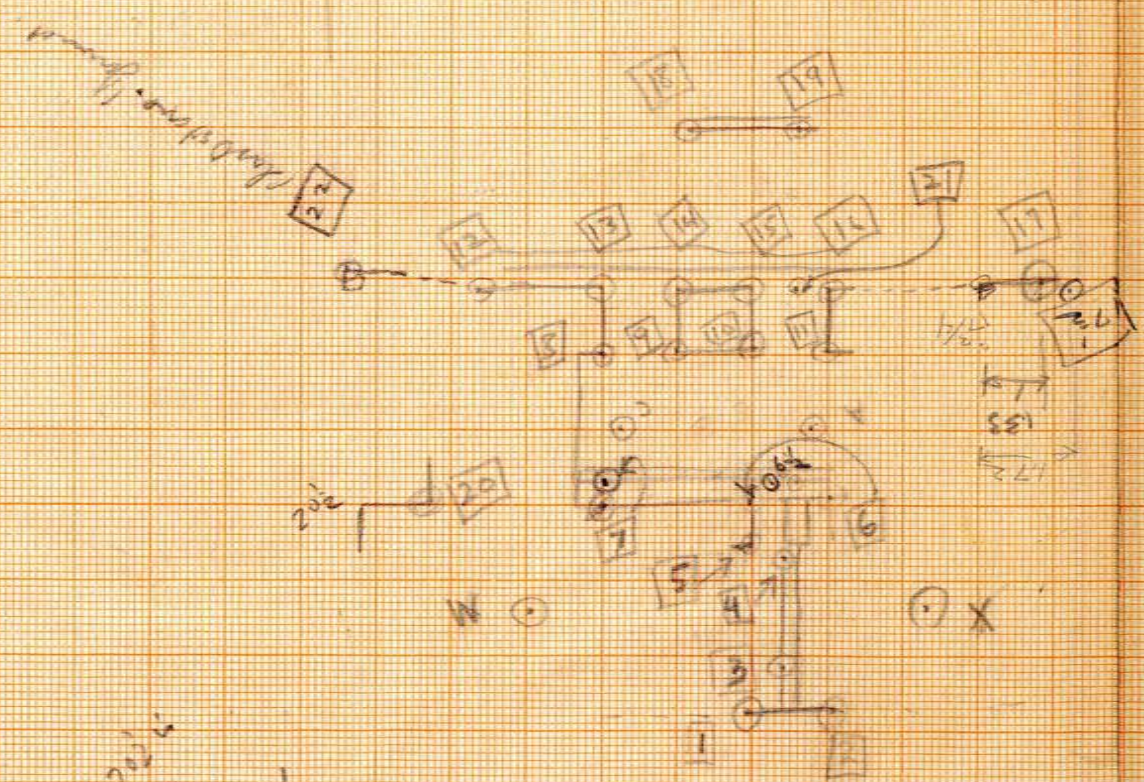
Check slope of old
near of niche

Depth of banking of
masonry.
Repr. - not noted - 30

Mass Pier stone

J-29.
 8-2-41
 5-4-41





202 1/2
290
- 35

255 per W
1 very rough
white/black
moss

Azimuths hi. read J.29

[illegible]

Transit Sheet

not accurate

Plot 22 ^{with} 20
① & vertical

KEUFFEL & ESSER CO., N. Y. NO. 359-141
Millimeters

$$\begin{array}{r} 130.0 \\ + 49.1 \\ \hline 179.1 \\ 350.0 \\ \hline 201.5 \end{array}$$
$$\begin{array}{r} 13 \overline{) 166} \\ \underline{169} \\ -3 \end{array}$$
$$T = 4.93 \text{ (max)}$$

Transcript

Transcript

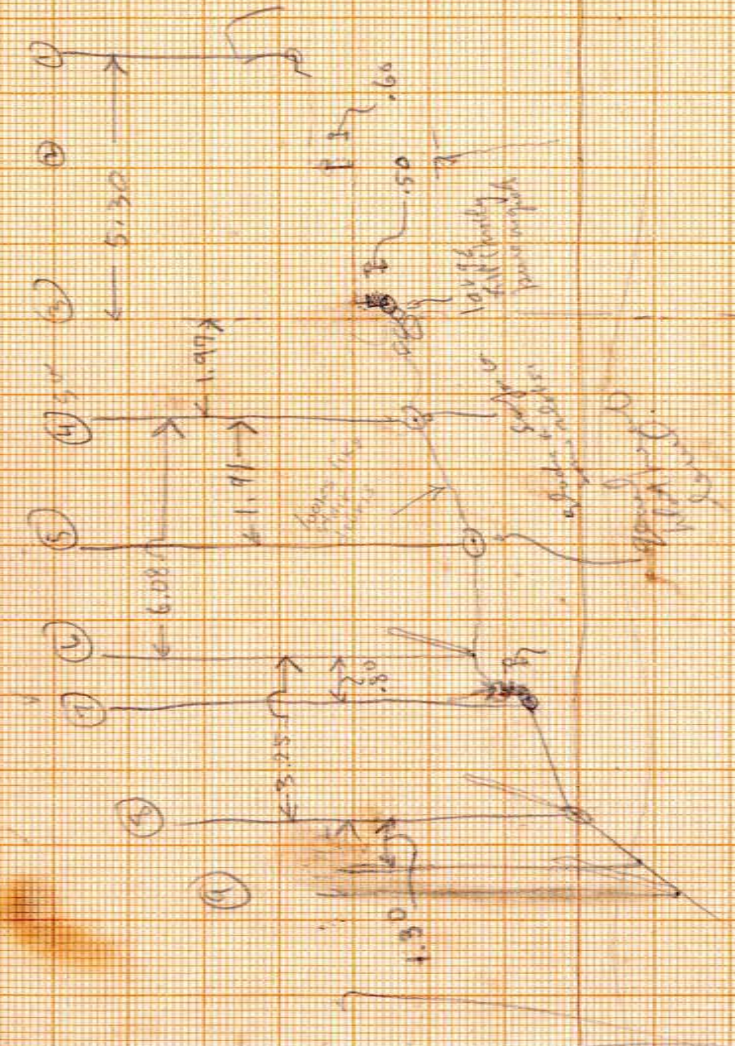
530
197
608
80

325
-80
245

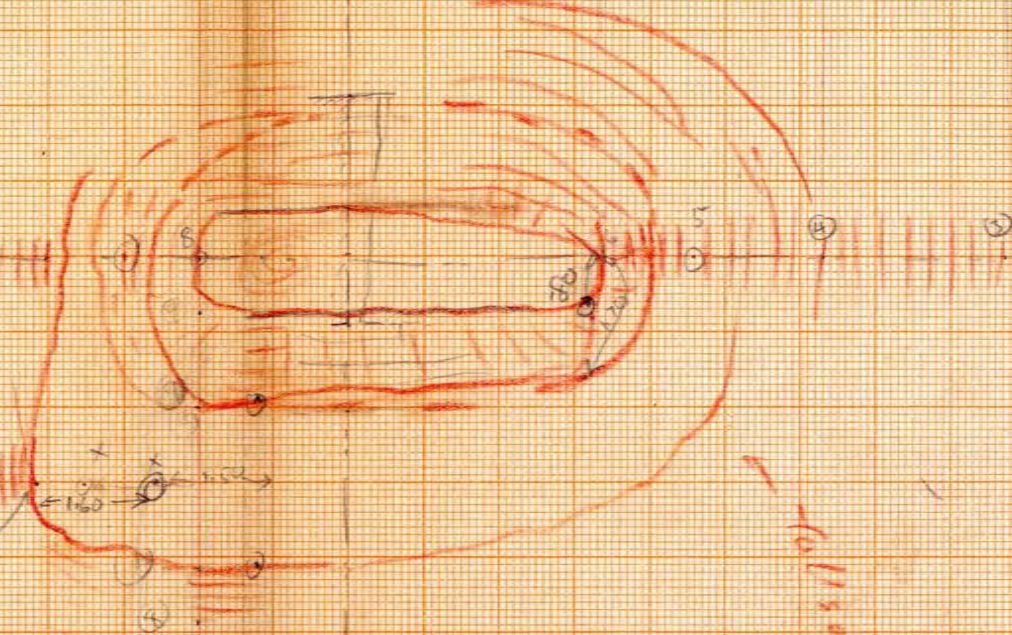
1415
→ 245

1497
608
805
6.88
8.25

5.29
Substructure - 6



Structure
When built
to 100 ft
from the
road bed



100 ft
50 ft

Road

hi = 2.17
③
④ 2.75
⑤ 3.12
⑥ 4.50

hi = 1.31
⑦ 1.58
⑧ 2.35
⑨ 3.58

hi = 1.31
⑦ 1.58
⑧ 2.35
⑨ 3.58

hi = 1.31
⑦ 1.58
⑧ 2.35
⑨ 3.58

Pyr. - 6

J-2

W. 100 ft. (approx.)

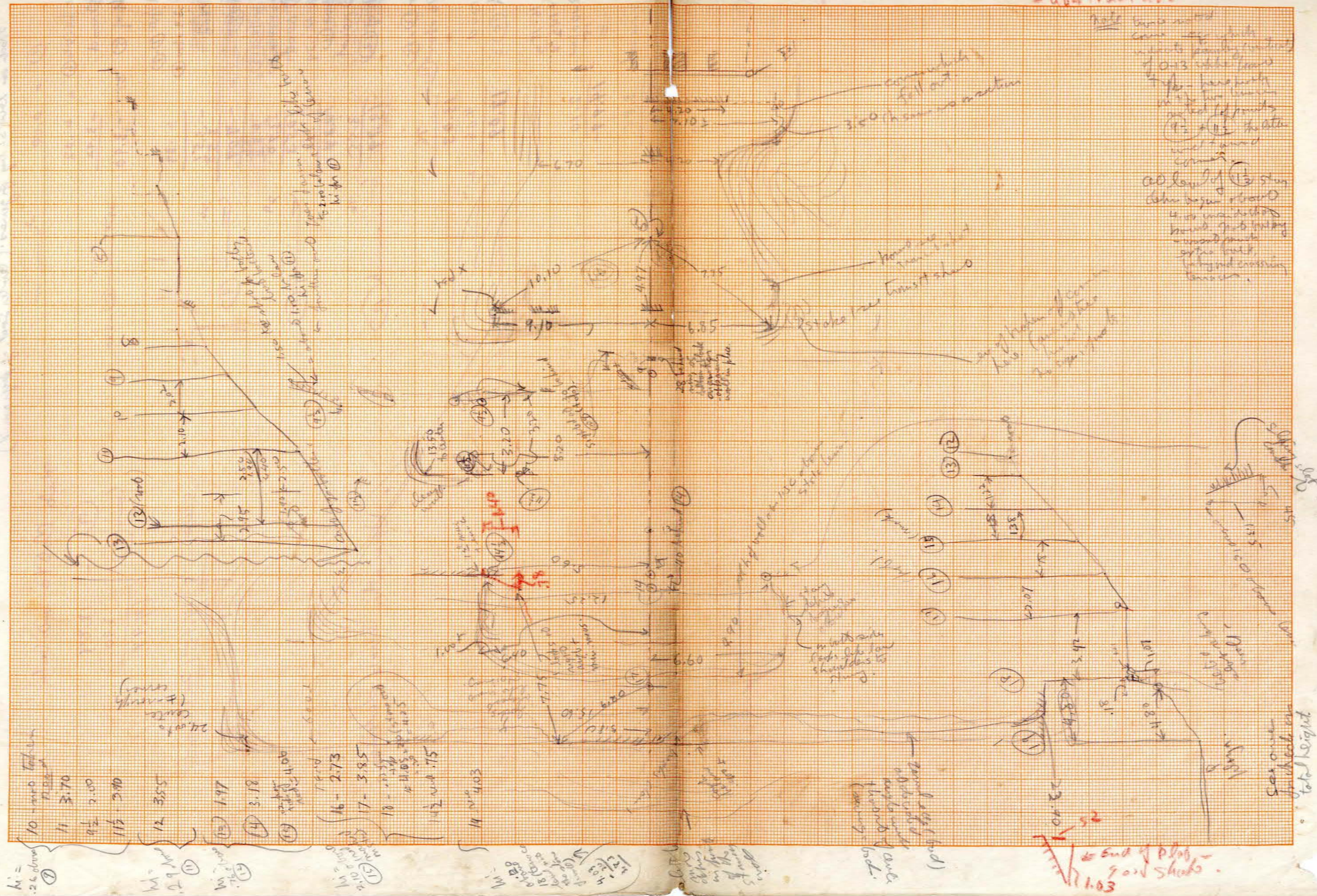
W. 100 ft. (approx.)

(100 ft. approx.)
W. 100 ft. (approx.)
W. 100 ft. (approx.)

W. 100 ft. (approx.)
W. 100 ft. (approx.)
W. 100 ft. (approx.)

W. 100 ft. (approx.)
W. 100 ft. (approx.)
W. 100 ft. (approx.)

note bands noted
 came off white
 minute painting center
 of 0-13 white bands
 4 ft - bare patch
 in 1/2 two lines in
 center (4 bands)
 4-1/2 to 11-1/2 to other
 end - and
 corner.
 all level of 1-1/2 stay
 when region above
 4. or inside the
 band. 1/2 to 1/2
 - upward points
 of the back,
 beyond crossing
 bands.



Shot on level by spirit level (centered of dynamite)

(1) = 0.00

hi for (3) to (6) = +1.02

(5) road = -3.92

M of (5) = -3.90

hi for (7) to (10)

= .39

(7) road

= -3.51

hi for (10) to (13) =

hi for (12) to (15) =

hi for (14) to (17) =

hi for (16) to (19) =

hi for (18) to (21) =

hi for (20) to (23) =

hi for (22) to (25) =

hi for (24) to (27) =

hi for (26) to (29) =

hi for (28) to (31) =

hi for (30) to (33) =

hi for (32) to (35) =

hi for (34) to (37) =

hi for (36) to (39) =

hi for (38) to (41) =

hi for (40) to (43) =

hi for (42) to (45) =

hi for (44) to (47) =

hi for (46) to (49) =

hi for (48) to (51) =

hi for (50) to (53) =

hi for (52) to (55) =

hi for (54) to (57) =

hi for (56) to (59) =

hi for (58) to (61) =

hi for (60) to (63) =

hi for (62) to (65) =

hi for (64) to (67) =

hi for (66) to (69) =

hi for (68) to (71) =

hi for (70) to (73) =

hi for (72) to (75) =

hi for (74) to (77) =

hi for (76) to (79) =

hi for (78) to (81) =

hi for (80) to (83) =

Stake photo 200. look.

(17) = 18.84

(18) = 3.90

(19) = 14.94

(20) = 14.95

(21) = 2.94

(22) = 14.95

(23) = 14.95

(24) = 14.95

(25) = 14.95

(26) = 14.95

(27) = 14.95

(28) = 14.95

(29) = 14.95

(30) = 14.95

(31) = 14.95

(32) = 14.95

(33) = 14.95

(34) = 14.95

(35) = 14.95

(36) = 14.95

(37) = 14.95

(38) = 14.95

(39) = 14.95

(40) = 14.95

(41) = 14.95

(42) = 14.95

(43) = 14.95

(44) = 14.95

(45) = 14.95

(46) = 14.95

(47) = 14.95

(48) = 14.95

(49) = 14.95

(50) = 14.95

(51) = 14.95

(52) = 14.95

(53) = 14.95

(54) = 14.95

(55) = 14.95

(56) = 14.95

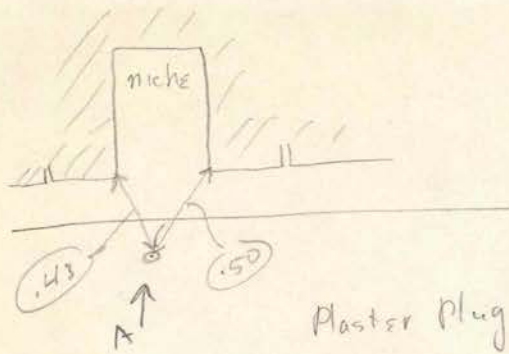
(57) = 14.95

(58) = 14.95

(59) = 14.95

(60) = 14.95

5-29-1935



Plaster plug in floor at A. .10 x .09

5-29-1935

5-29

1435

629

1938

3
A
3
R
1
2
3

Good plan notes
not accurately
measured. ✓

then we will
see us

in low water

Fund. school

alt. banding

mostly g. h. o. -
abundant in
S. white niche.
36 deep. hanging
back in place of
fence.

S. d. el

loss to bank to
slot, no
money for
filling - occasional
pieces (tablets).

side land
be made
out

folly
book?
moso
Parker
Volta

name
date
set on road
still

↑
mk

Barthen

T-29

See Butler:

1936 - Coched Bowl.
+ cany ...

- No Orange 1 - p. 9
- No Orange 2 (unless new shape
(unless add black line painting to Orange 2 - p. 9 & 10
- No Orange 2a - same remarks. - p. 10
- No Orange 3 - p. 10 & 11.
- ∴ Missil. Orange or a new Missil. Pot. Ware (p. 258) - 1
- cf Missil. Orange, + lutung is taken care of, but add a new
shape. - But this is a Pichrome not a Monochrome.

- A new Shape

- A new variety of broken down glyph?

Covering vessel - shape 39? ^{or 41??} - should that be corrected? - if
not this is a new shape.
- i.e. it is fairly flat-bottomed - call it 39.a?

Apart from its flat bottom - new 7 this falls into
Missil. Orange - p. 9

Levels of bases of Period 1 piers + antae.

" " " " Period 3 " (measure down) + Per. 3 floor level at same points.

✓ Draw section from level point, front face of pier,
showing Floor 2 running over, settling of Pier 3c.

✓ Flue - how much room for cornice stone?

✓ Evidence of cornice stones in any cuts? - no

Observations on masonry sections:

Front terrace.

✓ Plinth terrace.

✓ Period 3 situation

✓ Period 1 " "

✓ Does earth (or better?) floor run under
stairway to plinth terrace? no