

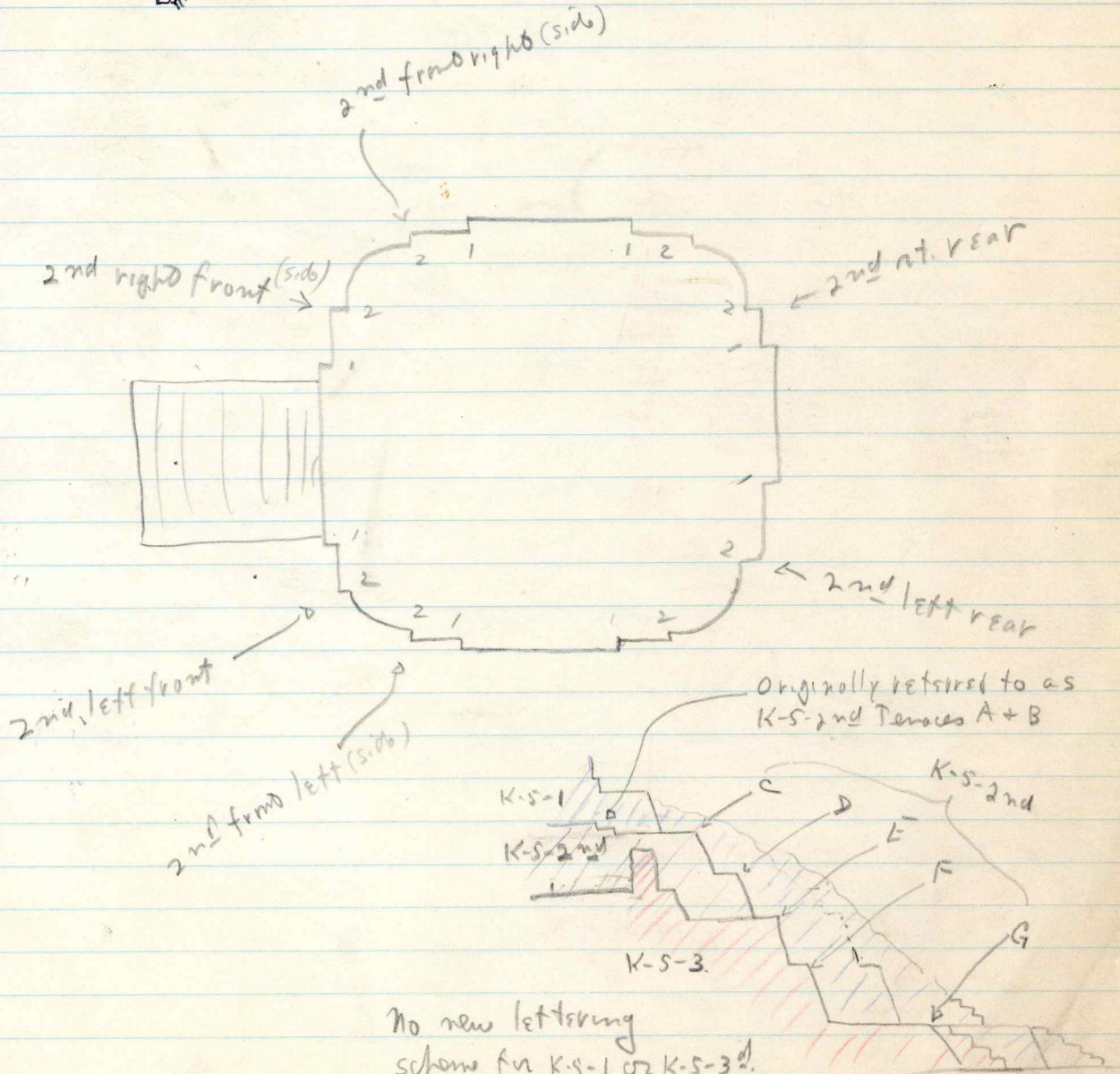
All notes in ink are made from weeworp (in which case, marked "wew") or from cross references to other notes.

Outsets are numbered from the center-line of the side of the pyramid on which they are, thus a terrace with two outsets, the outsets would be numbered, ^{observer's} from left to right: (corner) 2nd outset right, 1st outset right, (center line of building), 1st outset left, 2nd outset left, (corner.) See below.

Batters are usually recorded "out .61 down 1.54" or "in .61 down 1.54", which means:



Falling walls are recorded in the same way, with "falling" prefixing the measurements.



No new lettering scheme for K-S-1 or K-S-3! Except letters for particular sketches, which do not follow a general scheme.

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RUINS OF PIEDRAS NEGRAS

DEPARTMENT OF PETEN
GUATEMALA

PARTIALLY COMPLETED PLAN OF PRINCIPAL GROUPS
ELDRIDGE R. JOHNSON EXPEDITIONS, 1931-1932
THE UNIVERSITY MUSEUM UNIVERSITY OF PENNSYLVANIA

SURVEYED AND DRAWN BY FRED R. PARRIS ARCHITECT

A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	
T	U	V	

SEQUENCE OF
200 METER SQUARES



DECLINATION - N 8° 10' E - BY OBSERVATION ON POLARIS
JUNE 3 1932. WITHOUT MERIDIAN CORRECTION -

CONTOUR INTERVAL - 2 METERS -

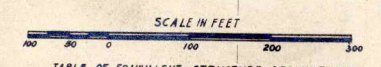


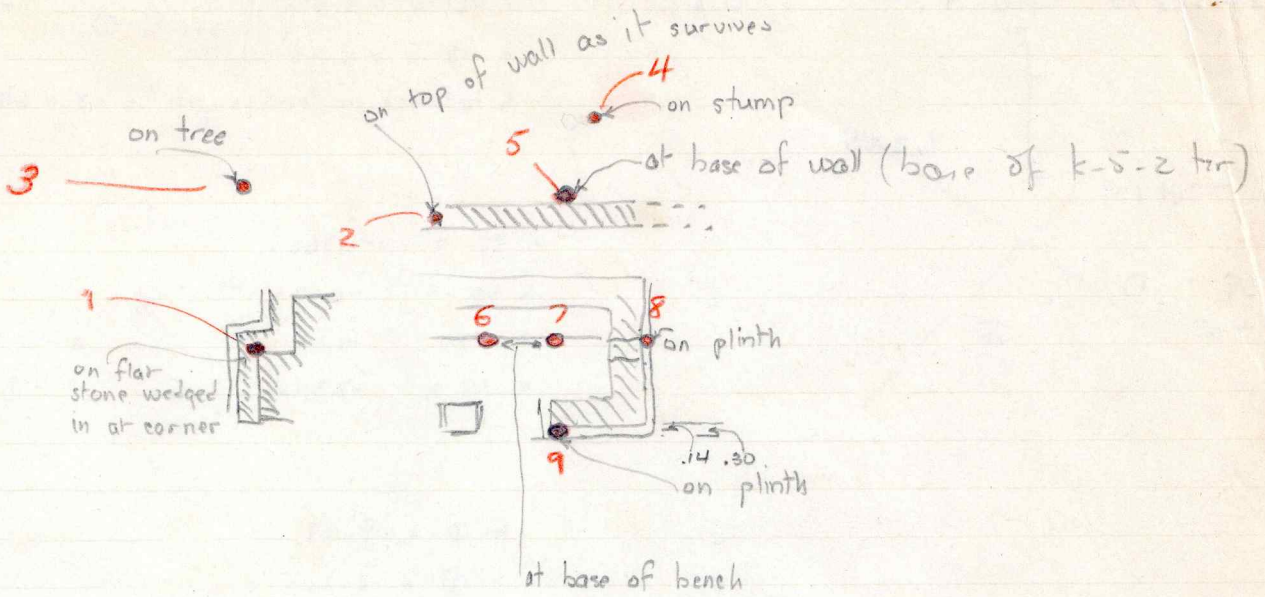
TABLE OF EQUIVALENT STRUCTURE DESIGNATIONS
USED BY MALER, 1901, MORLEY, 1920, AND
BY UNIVERSITY MUSEUM ON THIS MAP

MALER	MORLEY	UNIV. MUSEUM
TEMPLO DE LAS 6 ESTELAS	I	J-4
TEMPLO DE LAS 3 ESTELAS	II	J-3
TEMPLO DE LAS 10 ESTELAS	III	O-13
TEMPLO DE LAS EST. 22, 23	IV	O-12
CENTRO DE OPOSICIONES	V	P-7
TEMPLO DE LAS EST. 24-27	VI	R-9 & R-10
TEMPLO DE LA EST. 28	VII	R-1
TEMPLO DE LA EST. 29	VIII	R-3
TEMPLO DE LA EST. 30	IX	R-4
TEMPLO DE LAS EST. 32-37	X	R-5
LA CASA GRANDE		J-9

KEY TO GROUND PLANS OF BUILDINGS -
--- HYPOTHETICAL - DESTROYED
OR NOT EXCAVATED
--- OBSERVED IN
POSITION

Miscellaneous level location points

3/21/89



① = Zero = base of rear of rt. side outset of K-S-1^{earliest} Bldg. (chicos run under)

hi = +.59

② read d. 3.15 h = -3.15
 + .59
 h = -2.56

③ read d. 1.30
 - .59 m
 h = -.71

New hi read 1.135 on point ② = -2.560
 + 1.135
 h = -1.425

④ read down -3.625
 - 1.425
 h = -5.050

⑤ read down -3.775
 - 1.425
 h = -5.200

6. read down -3.85
 - 1.425
 h = -5.275

7 " " -3.875
 - 1.425
 h = -5.300

8 " " -3.98
 - 1.425
 h = -5.405

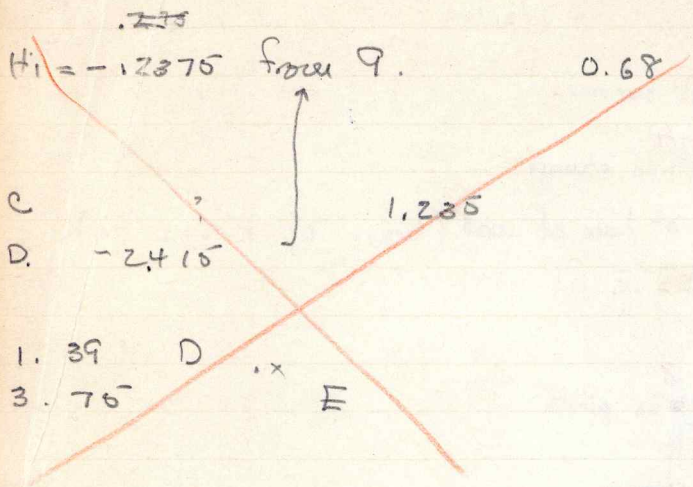
9 " " -3.8
 - 1.425

h = -5.225 call it 5.23

7.77
7.62
.09

7.78
7.65
.13

37 72 = -7.65
36 9 = -7.78



Level points, unconnected:

h 42 = -3.035 } some hi. ① = -11.125
h 43 = -0.97
h bed rock in Pancho's pit = -3.465 = -11.555

h 37 = -1.365 } hi ② = -7.545 (-7.55)
h 36 = -1.57 } = -9.06
h 44 = -1.34
h 43 = -2.855

hi ① = -8.09
hi ② = -6.205

Extra Transit shots

18-81-85	30°-42		
85-82-83	6°-53'	-7.515	
		+1.34	
812-811-17	85° 58'	-6.175	hi ① from K-5-1,2, 5/5/89 point T.44
		-2.855	
84-15-17	102° 36'	-9.030	h 43
87-89-17	51° 43'	+0.97	
		-8.160	hi ①
87-89-86	13° 25'		
87-89-A	85° 50'	-8.160	
87-89-B	83° 07'	-3.035	
		-11.195	
87-89-B10	140° 26'		
87-89-B11	125° 45'		
89-811-812	109° 48'		
87-88-89	85° 54'		

	37	-7.625	
		+1.365	
		-6.260	hi ② from K-5-1,2, 5/5/89 levels.
		-2.855	
		-6.260	
		-9.115	h 43
		-9.115	
		+0.910	
		-8.145	hi ① from same.
		-8.145	
		-3.035	
		-11.180	h 42

		-6.260	
		-1.34	
		-7.600	h 41

The following three pages are attempts to check the accuracy of the base points B1 - B12. Errors which amounted to less than 1' per angle were disregarded, since no angle was read to seconds.

$$\begin{array}{r}
 h_i = -7.650 \\
 + 1.365 \\
 \hline
 \textcircled{2} h_i = -6.285 \\
 \text{(Position of 37 attend.)}
 \end{array}$$

$$\begin{array}{r}
 h_{ii} = -7.775 \\
 + 1.57 \\
 \hline
 \textcircled{2} h_{ii} = -6.205
 \end{array}$$

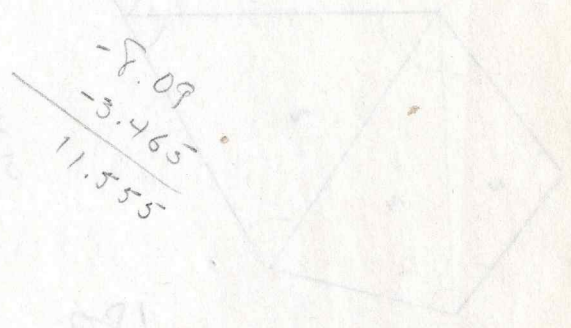
$$\begin{array}{r}
 14.83 \\
 40.00 \\
 45.17 \\
 \hline
 100.00 \\
 44 h \quad -6.280 \\
 \hline
 -1.34 \\
 \hline
 -7.625
 \end{array}$$

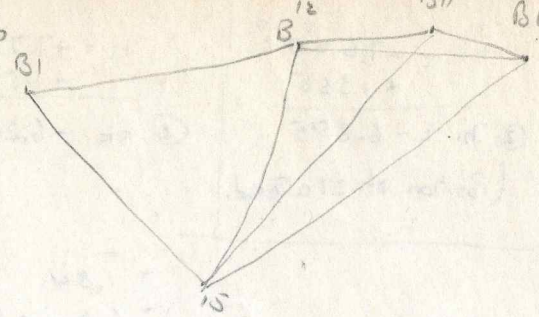
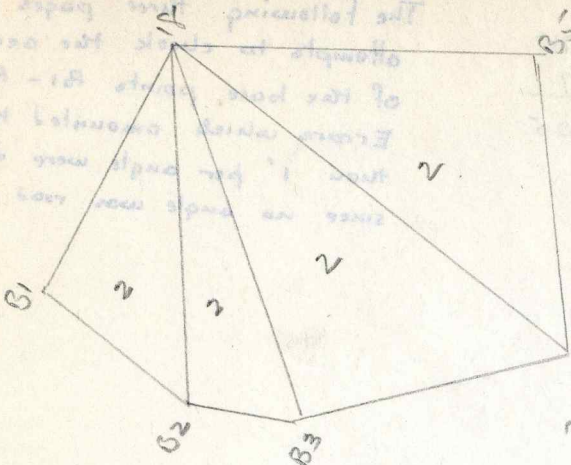
$$\begin{array}{r}
 -1.34 \\
 -6.205 \\
 \hline
 7.545
 \end{array}$$

$$\begin{array}{r}
 6.205 \\
 2.855 \\
 \hline
 9.060
 \end{array}$$

$$\begin{array}{r}
 -9.06 \\
 + .97 \\
 \hline
 -8.09 \\
 -3.035 \\
 \hline
 11.125
 \end{array}$$

$$\begin{array}{r}
 -8.09 \\
 -3.465 \\
 \hline
 11.555
 \end{array}$$

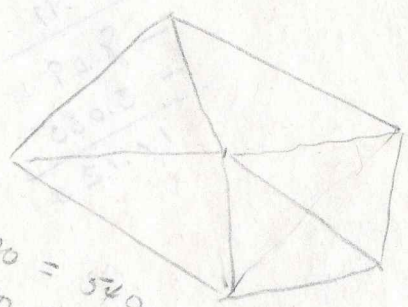
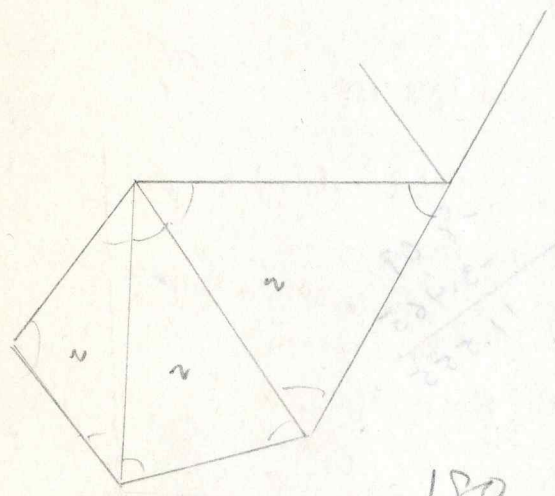




$$\begin{array}{r}
 59 \ 61' \\
 B_{11} - B_{10} - B_5 = 60^\circ 04' \\
 \underline{49 \ 34} \\
 20.27
 \end{array}$$

$$\begin{array}{r}
 180 \\
 \times 7 \\
 \hline
 1260 \\
 \underline{360} \\
 900
 \end{array}$$

$$B_1 \ B_{12} \ B_{11} \ 178 \ 42$$



$$\begin{array}{r}
 3 \times 180 = 540 \\
 5 \times 180 = 900 \\
 \underline{360} \\
 540
 \end{array}$$

$$\begin{array}{r}
 180 \\
 \times 6 \\
 \hline
 1080 \\
 \underline{360} \\
 720
 \end{array}$$

$$\begin{array}{r}
 23 \\
 24 \\
 21
 \end{array}$$

$$\Delta B_{10} - B_{11} - B_{12}$$

$$\begin{array}{l}
 B_{11} \ 160^\circ 44' \\
 B_{10} \ 20^\circ 27'
 \end{array}$$

$$\begin{array}{r}
 179 \ 60 \\
 \underline{168 \ 44} \\
 11 \ 16
 \end{array}$$

Triangulation work sheet.

Locating B1

To find $\angle B1-B5-B3$

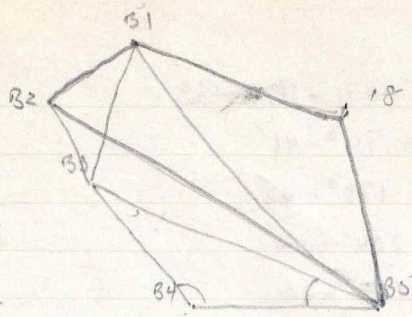
$\angle B3-B5-B4 = 180^\circ - 136^\circ - 50' = 43^\circ - 10'$

$\angle B3-B4-B5 = 119^\circ - 59'$

$\angle B5-B3-B4 = 180^\circ - 162^\circ - 69' = 16^\circ - 51'$

$\angle B1-B3-B5 = 158^\circ - 26' - 16^\circ - 51' = 141^\circ - 35'$

$\angle B1-B5-B3 = 180^\circ - (141^\circ - 35' + 21^\circ - 46') = 16^\circ - 39'$



450

560

179-60

136.50

43-10

179-60

163-09

16-51

141-35

21-46

162-81

163-21

157-86

16-51

41-35

179-60

163-21

16-39

43-10

16-39

83-50

142-99

143-39

36-21

30-42

66-63

67-03

179.60

83.50

96.10

To find $\angle B1-B8-B5$

$\angle B8-B5-B1 = 180^\circ - 43^\circ - 10' + 16^\circ - 39' + 83^\circ - 50' = 36^\circ - 21'$

$\angle B1-B8-B5 = 180^\circ - (36^\circ - 21' + 30^\circ - 42') = 112^\circ - 57'$

Polygon B1-B8-B5-B4-B3

Sum of interior angles = $539^\circ - 59'$

$6 \times 90^\circ = 540^\circ$

(This is false; there is no B1-B8-B5 reading)

Polygon B1-B8-B5-B4-B3-B2

Sum of interior angles = $708^\circ - 26'$

$8 \times 90^\circ = 720^\circ$

Location of B2 is false.

112-57	B1-B8-B5	179-60
52-27	B3-B1-B8	143-39
158-26	B1-B3-B4	
119-59	B3-B4-B5	36-21
96-10	B8-B5-B4	
<hr/>		
537-179		
120		
539-59		179.60
		67.03
		<hr/>
		112.57

- $\angle B3-B4-B5 = 119-59$
- $\angle B4-B5-B8 = 96-10$
- $\angle B5-B8-B1 = 112-57$
- $\angle B8-B1-B2 = 102-00$
- $\angle B1-B2-B3 = 103-13$
- $\angle B2-B3-B4 = 174-26$

Polygon B1-B8-B5-B2

- $\angle B1-B8-B5 = 112-57$
- $\angle B8-B5-B2 = 96-10$
- $\angle B5-B2-B1 = 96-20$
- $\angle B2-B1-B8 = 102-00$

18-B1-B3	52-27
B2-B1-B3	49-33
<hr/>	
	101-60
	102

102.73
 $B1-B2-B3 = 103-13$
 $B3-B2-B5 = 6-53$

 96.20

Polygon B1-B12-15-B7-B4-B3

B3-B1-B12 = 94°-41'

B1-B12-B11 = 178°-42'

B11-15-B7 = 234°-44'

B4-B3-B1 = 158°-26'

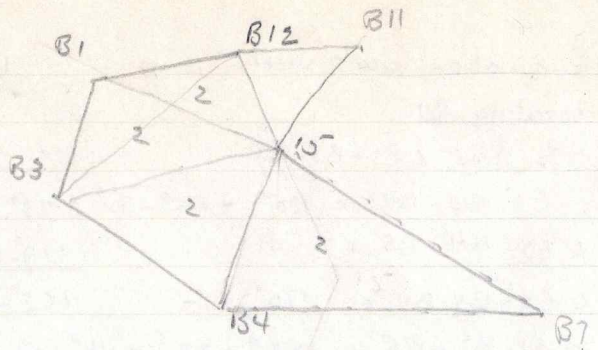
B7-B4-B3 = 119°-59'

B12-B11-15 = 56°-33'

15-B7-B4 = 56°-45'

error 10' 895-290

10x90' (10/54000) ✓ 899° 50'



359.60

146.34

213.26

359.60

125.16

234.44

Polygon B1-B3-B4-B7-17-B11-B12

∠ B1-B12-B11 = 178° 42'

✓ B12-B11-17 = 85° 58'

✓ B11-17-B7 = 178° 16'

✓ B7-B4-B3 = 119° 59'

B4-B3-B1 = 158°-26'

B3-B1-B12 = 94°-41'

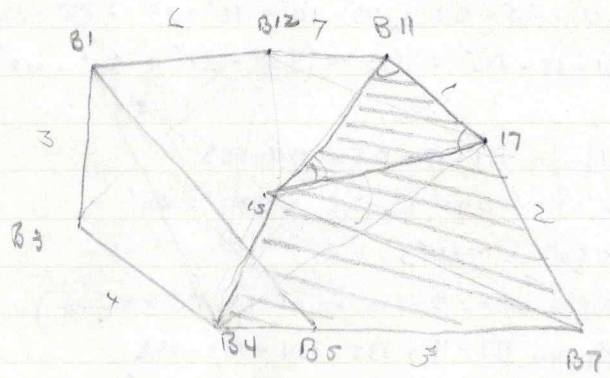
17-B7-B4 = 83°-52'

895-294

240

10x190 = 900 ✓ 899 54

error 6'



85.52

56.45

-27.07

85° 58'

56.33

29.25

Polygon 15-B4-B7-17

15-B4-B7 = 60 21

B4-B7-17 = 83 52

B7-17-15 = 113 08

17-15-B4 = 102 36

358 117

60

✓ 359 57

error 3'

△ B11-17-15

∠ 15-B11-17 = 29.25°

∠ B11-17-15 = 65.08°

error 17-15-B11 = 85-26

✓ 179.59

1'

To find

4 76

128-16

39-50

85 26

∠ 17-15-B7 = 39.50

15-17-B7 = 113.08

15-B7-17 = 27.02

140.10

Polygon B1-B3-B4-B5

B3-B1-B5 = 21-46

B5-B4-B3 = 119-59

B4-B3-B1 = 158-26

B1-B5-B4 :

179.60

140.10

39.50

∠ 17-15-B7 = 39.50

B4-15-B7 = 62.54

B11-15-B7 = 129.16

39.50

C B5-B1-B3 = 21° 46

B1 B3 B4

168.06
168.44

8910
1.6614
77.87
332.61
27.104
357.65

596.1
60.01
419.34
20.27

10.575
14.74

- A-B5-B6 = 61° 45'
- A-B9-B7 = 75° 51'
- B-B7-B6 = 73° 13'
- B-B5-B6 = 67° 35'
- B-B9-B7 = 83° 06'
- C-B9-B7 = 81° 31'
- A-B9-B7 = 67° 08'

8145
5715
591.81
1474

10.195
10.575
14.74
33.510

83.37
5715
591.81

Transit Points, Page 2

31	31 - B4 - B5	32° - 32'	31 - B7 - B6	79° 04'	B6	108° 19'
32	32 - B4 - B5	39° - 30'	32 - B7 - B6	61° - 21'		
33	33 - B4 - B5	55° - 34'	33 - B7 - B6	51° - 38'	33 - B5 - B6	77° 39'
34	34 - B4 - B5	60° - 15'	34 - B6 - B5	57° 53'	34 - B5 - B6	85° 58'
35	35 - B4 - B5	92° - 30'	35 - B3 - B4	93° - 15'		
36	36 - 17 - B7	171° - 36'	36 - A - 15	144° 05'		
37	37 - 17 - B7	179° 27'	37 - A - 15	128° 27'	37 - B10 - 15	15° - 48'
38	38 - A - 15	65° 26'	17 - 38 = 4.24 (+)		38 - B4 - B5	38° 31'
39	39 - A - 15	91 36	17 - 39 = 1.86 (+)		39 - B9 - B7 (point way near rear of original point)	59° 37'
40 (B)	40 - A - 15	114 - 49	17 - 40 = 6.30 (+)			39 - B6 - B5 = (102° - 31)
41	41 - A - 15	162° - 46	17 - 41 = 9.66 (+)		40 - B9 - B7	78° - 15'
42	B10 - 42 = 12.62 (+)	13° - 56'	42 - B11 - 15	40° 13'	40 - B4 - B5	43° 19'
43	43 - B10 - 15	12° - 41'	43 - B11 - 15	35° 00'	40 - B6 - B5	100° 35'
44	44 - B10 - 15	12° - 41'	44 - B11 - 15	30° 52'	also check wgs.	
45	45 - B7 - B6	57° 07'	45 - B5 - B6	78° 22'	also check wgs.	
46	46 - B7 - B6	56° 36'	46 - B5 - B6	81° 20'		
47	47 - B7 - B6	57° - 07'	47 - B5 - B6	69° 40'	45 - B6 - B5	71° 03'
48	48 - B7 - B6	49° - 48'	48 - B5 - B6	88° - 13'	46 - B6 - B5	69° 37'
49	49 - B7 - B6	57° 40'	49 - B5 - B6	77° 07'	47 - B4 - B5	49° 57'
50	50 - B7 - B6	46° 02'	50 - B5 - B6	86° 24'	48 - B4 - B5	66° 28'
51	51 - B4 - B5	64° 36'	51 - B5 - B6	91° 31'	49 - B4 - B5	57° 57'
52	52 - B4 - B5	76° 50'	52 - B5 - B6	104° 53'	50 - B6 - B5	59° 59'
53	53 - B4 - B5	65° 04'	53 - B5 - B6	94° 19'	51 - B3 - B4	58° - 46'
54	54 - B7 - B6	74° 15'	54 - B5 - B6	45° 17'	52 - B3 - B4	38° 30'
55	55 - B7 - B6	79° 08'	55 - B5 - B6	42° 48'	53 - B3 - B4	54° 51'
56	56 - B7 - B6	69° 01'	56 - B5 - B6	16° 31'	54 - B4 - B5	32° 23'
57	57 - B4 - B5	70° 18'	57 - B5 - B6	100° 00'	55 - B4 - B5	30' 55'
58	58 - B4 - B5	72° 03'	58 - B5 - B6	101° 30'	57 - B3 - B4	54° 50'
59	59 - B7 - B6	48° 37'	59 - B5 - B6	45° 20'	58 - B3 - B4	35° 17'
60	60 - B7 - B6	42° 44'	60 - B5 - B6	42° 31'	59 - B4 - B5	28° 19'
61	61 - B7 - B6	54° 02'	61 - B5 - B6	74° 25'	60 - B4 - B5	25° 32'
62	62 - B4 - B5	82° 53'	62 - B5 - B6	72° 30'	61 - B4 - B5	53° 25'
63	63 - B4 - B5	87° 17'	B5	115° 35'	62 - B6 - B5	73° 20'
64	64 - B4 - B5	85° 38'	B5	116° 55'	63 - B3 - B4	53° 41'
65	65 - B4 - B5	30° 04'	B5	113° 21'	64 - B3 - B4	45° 44'
66	66 - B4 - B5	24° 38'	66 - B6 - B5	110° 06'	65 - B3 - B4	44° 52'
67	67 - B4 - B5	12° 20'	67 - B6 - B5	14° 56'	B5	36° 06'
68	68 - B7 - B6	88° 39'	68 - B6 - B5	113° 33'	B5	72° 41'
69	69 - B5 - B6	25° 53'	69 - B6 - B5	127 16	also check wgs.	
70	70 - B5 - B6	29° 39'	70 - B6 - B5	114° 38'	69 - B7 - B6	92° 10'
					70 - B7 - B6	75° 38'

DISCARDED SEE NOTE K-5-2 kept 4/13

under K-5-3/25
From A3

71° 57'

Transit Points, Page 3

71	71-B6-B5	77° 56'	71-B5-B6	46° 29'	71-B7-B6	49° 16'
72	72-B6-B5	22° 55'	72-B4-B5	32° 17'		
73	73-B6-B5	29° 27'	73-B4-B5	41° 16'	73-B5-B6	93° 26'
74	74-B6-B5	38° 23'	74-B4-B5	46° 30'	74-B5-B6	88° 42'
75	75-B6-B5	45° 07'	75-B4-B5	70° 56'	75-B5-B6	102° 01'
76	76-B6-B5	41° 30'	76-B4-B5	80° 06'	76-B5-B6	110° 18'
77	77-B6-B5	111° 35'			77-B7-B6	85° 00'
78	78-B5-B6	^(125° 00') 128° 57'	78-B4-B5	72° 55'	78-B6-B5	22° 54'
79	79-B6-B5	31° 10'	79-B4-B5	85° 26'	79-B5-B6	122° 59'
80	80-B6-B5	40° 35'	80-B4-B5	69° 35'	80-B5-B6	100° 10'
81	81-B6-B5	150° 31'	81-B7-B6	115° 06'		
82	82-B6-B5	150° 42'	82-B7-B6	123° 30'	82-B5-B6	14° 18'
83	83-B6-B5	141° 23'	83-B7-B6	116° 19'		
84	84-B6-B5	100° ^{39'} 40'			84-B7-B6	75° 30'
85	85-B7-B6	57° 20'	85-B5-B6	68° 59'		
86	86-B7-B6	61° 21'	86-B5-B6	63° 50'		
87	87-B7-B6	63° 00'	87-B5-B6	62° 57'		
88	88-B7-B6	75° 21'	88-B5-B6	28° 58'	88-B6-B5	115° 80'
89	89-B7-B6	91° 58'	89-B5-B6	24° 57'	99-B6-B5	128° 16'
90	90-B7-B6	127° 31'	90-B5-B6	19° 00'	90-B6-B5	146° 46'
91	91-B7-B6	85° 28'	91-B5-B6	15° 25'	91-B6-B5	141° 09'
92	92-B7-B6	91° 19'	92-B5-B6	15° 50'	92-B6-B5	141° 51'
93	93-B7-B6	40° 31'	93-B5-B6	25° 00'		
94	94-B7-B6	31° 58'	94-B5-B6	34° 25'		
95	95-B7-B6	36° 31'	95-B5-B6	51° 27'	95-B6-B5	59° 44'
96	96-B7-B6	60° 18'	96-B5-B6	18° 17'	96-B6-B5	125° 22'
89	89-B7-B6	112° 28'	89-B5-B6	37° 59'	89-B-A	-168° 44' ^{114° 26'} _{89-B10-11}
97	97-B9-B7	65° 00'	97-B5-B6	70° 19'		
98	98-B9-B7	67° 41'	98-B5-B6	73° 44'		
99	99-B9-B7	67° 58'	99-B5-B6	76° 44'		
100	100-B9-B7	65° 35'	100-B5-B6	77° 44'		
101	101-B8-B7	67° 56'	101-B9-B7	23° 11'	101-B5-B6	34° 34'
102	102-B8-B7	64° 00'	102-B9-B7	15° 38'	102-B5-B6	33° 21'
BS			B8-B9-B7	26° 40'		
103	103-B7-B6	58° 62'	103-B9-B7	74° ⁴⁴ 43'	103-B6-B5	70° 31'
104	104-B4-B5	61° 08'	104-B6-B5	68° 36'		
105						
106						
107	107-B12-B11	34° 41'	107-B11-B10	45° 11'		
108	108-B12-B11	38° 31'	108-B10-B11	60° 33'		

109	109-B6-B5	71° 37'	109-B4-B5	29° 19'	109-60 = 1.56(+)	5 from bot
110	110-B6-B5	73° 43'	110-B4-B5	32° 51'	110-109 = 1.70(+)	10 " "
111	111-B6-B5	63° 07'	111-B4-B5	37° 41'	110-111 = 3.56(+)	" " "
112	112-B6-B5	67° 33'	112-B4-B5	42° 27'	113-112 = 1.78(+)	17 " "
113	113-B6-B5	70° 08'	113-B4-B5	45° 02'	114-113 = 1.08(+)	22 " "
114	114-B6-B5	71° 35'	114-B4-B5	46° 27'	115-114 = 2.91(+)	25 " "
115	115-B6-B5	65° 33'	115-B4-B5	52° 21'	115-33 = 2.02(+)	27 " "
116	116-B6-B5	62° 24'	116-B4-B5	53° 38'	33-116 = .90(+)	31 " "
117	117-B6-B5	15° 55'	117-B4-B5	8° 45'	117-B5-B6	23° 22'
118	118-B6-B5	33° 02'	118-B4-B5	19° 32'	118-B5-B6	45° 36'
119	119-B6-B5	42° 30'	119-B4-B5	27° 01'	119-B5-B6	56° 00'
120	120-B6-B5	27° 49'	120-B4-B5	12° 02'	120-B5-B6	27° 22'
121	121-B6-B5	41° 04'	121-B4-B5	15° 51'	121-B5-B6	32° 23'
122	122-B6-B5	46° 04'	122-B4-B5	14° 55'	122-B5-B6	29° 19'
123	123-B7-B5	44° 49'	123-B4-B5	65° 15'	123-B5-B6	90° 09'
124	124-B7-B5	42° 43'	124-B4-B5	70° 08'	124-B5-B6	95° 25'
125	125-B6-B5	47° 49'	125-B4-B5	55° 04'	125-B5-B6	88° 21'
126	126-B6-B5	82° 04'	126-B4-B5	32 47	126-B5-B6	49° 26'
127	127-B6-B5	119° 40'	127-B4-B5	23° 03'	127-B5-B6	51° 53'
128	128-B6-B5	21° 27'	128-B4-B5	87° 21'	128-B5-B6	136° 00'
129	129-B6-B5	20° 14'	129-B4-B5	102° 57'	129-B5-B6	141° 45'
130	130-B6-B5	21° 53'	130-B4-B5	108° 04'	130-B5-B6	41° 00'
131	131-B6-B5	27° 57'	131-B4-B5	102° 55'	131-B5-B6	132° 37'
132	132-B3-B4	79° 00'	132-B4-B5	75° 35'	132-B1-B3	45° 15'
133	133-B3-B4	73° 37'	133-B4-B5	74° 46'	133-B1-B3	41° 58'
134	134-B3-B4	69° 44'	134-B4-B5	74° 11'	134-B1-B3	39° 50'
135	135-B3-B4	63° 23'	135-B4-B5	74° 48'	135-B1-B3	85° 42'
136	136-B7-B6	47° 49'	136-B5-B6	57° 50'	136-B9-B7	42° 24'
137	137-B7-B6	53° 29'	137-B5-B6	61° 14'	137-B9-B7	47° 48'
138	138-B7-B6	55° 57'	138-B5-B6	62° 45'	138-B9-B7	50° 57'
139	139-B7-B6	68° 49'	139-B5-B6	58° 00'	139-B9-B7	58° 49'
140	140-B7-B6	56° 48'	140-B5-B6	71° 17'	140-B9-B7	60° 16'
141	141-B7-B6	62° 33'	141-B5-B6	70° 57'	141-B9-B7	67° 49'
142	142-B7-B6	50° 36'	142-B5-B6	54° 12'	142-B9-B7	65° 38'
143	143-B7-B6	70° 51'	143-B5-B6	59° 27'	143-B9-B7	61° 52'
144	144-B7-B6	82° 53'	144-B5-B6	50° 05'	144-B9-B7	57° 15'
145	145-B7-B6	66° 38'	145-B5-B6	68° 29'	145-B9-B7	70° 53'
146	146-B7-B6	65° 28'	146-B5-B6	67° 58'	146-B9-B7	69° 11'
147	147-B7-B6	63° 28'	147-B5-B6	70° 18'	147-B9-B7	64° 25'
148	148-B7-B6	72° 13'	148-B5-B6	61° 19'	148-B9-B7	67° 39'

21
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14

28-10-12

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28-10-39

28-10-40

28-10-41

28-10-42

28-10-43

28-10-44

28-10-45

149	149 - B7 - B6	61° 10'	149 - B5 - B6	69° 57'	149 - B9 - B7	64° 27'		
150	150 - B10 - B11	75° 29'			150 - B9 - B7	92° 52'		
151	151 - B4 - B5	56° 12'	151 - B6 - B5	50° 18'	151 - B7 - B6	37° 15'		
152	152 - B4 - B5	34° 55'	152 - B6 - B5	82° 06'	152 - B7 - B6	57° 04'		
153	153 - B4 - B5	29° 52'	153 - B6 - B5	94° 01'	153 - B7 - B6	64° 50'		
154	154 - B4 - B5	63° 47'	154 - B6 - B5	41° 58'	154 - B7 - B6	31° 33'		
155	155 - B3 - B4	62° 06'	also straight measurements.					
156	156 - B4 - B5	58° 34'	156 - B6 - B5	56° 52'	156 - B7 - B6	43° 19'	k-5-2 8 th step	
157	157 - B4 - B5	56° 30'	157 - B6 - B5	53° 25'	157 - B7 - B6	39° 54'	k-5-2 4 th step	
158	158 - B4 - B5	54° 56'	158 - B6 - B5	49° 27'	158 - B7 - B6	36° 21'	15 th step	
159	159 - B4 - B5	52° 00'	159 - B6 - B5	62° 10'	159 - B7 - B6	46° 27'	k-5-2 9 th center	
160	160 - B4 - B5	48° 06'	160 - B6 - B5	59° 53'	160 - B7 - B6	48° 24'	k-5-2 15 th center	
161	161 - B4 - B5	43° 53'	161 - B6 - B5	57° 48'	161 - B7 - B6	40° 31'	k-5-2 20 th center	
162	162 - B4 - B5	41° 08'	162 - B6 - B5	52° 41'	162 - B7 - B6	35° 58'	k-5-2 25 th center	
163	163 - B4 - B5	34° 07'	163 - B6 - B5	51° 58'	163 - B7 - B6	33° 29'	k-5-2 31 st center	
164	164 - B4 - B5	47° 06'	164 - B6 - B5	69° 21'	164 - B7 - B6	51° 23'	k-5-3 for center	
165	165 - B4 - B5	44° 57'	165 - B6 - B5	67° 40'	164-165 = 1.39 (+)		k-5-3	
166	166 - B4 - B5	43° 01'	166 - B6 - B5	66° 13'	165 - B7 - B6 =	49° 03'	4 th center	
167	167 - B4 - B5	40° 04'	167 - B6 - B5	64° 12'	165-166 = 1.13 (+)		k-5-3	
168	168 - B9 - B7	19° 00'	168 - B6 - B5	123° 46'	166 - B7 - B6 =	47° 05'	9 th center	
169	169 - B9 - B7	? 21° 48'	169 - B6 - B5	121° 06'	166-167 = 1.52 (+)		15 th center	
170	170 - B9 - B7	21° 30'	170 - B6 - B5	123° 30'	167 - B7 - B6			
171	171 - B10 - B11	65° 28'	171 - B11 - B10	82° 25'	168 - B7 - B6	104° 14'	see sketch under k-5-3 6/8/39	
172	172 - B10 - B11	58° 38'	172 - B11 - B10	91° 04'	169 - B7 - B6	101° 52'		
173	173 - B10 - B11	60° 24'	173 - B11 - B10	91° 29'	170 - B7 - B6	105° 18'		
174	174 - B10 - B11	70° 37'			171 - B12 - B11	68° 28'		
					173 - B12 - B11	73° 10'		
					174 - B12 - B11	57° 59'		

$$61 - 85 = 2.22 (+)$$

$$62 - 85 = 1.77 (+)$$

$$87 - 85 = +2.80 (+)$$

$$85 - 86 = 2.21 (+)$$

$$47 - 85 = .29$$

$$111^{\circ} 04'$$

$$160^{\circ} 42'$$

$$111 \ 04$$

$$49 \ 38$$

89

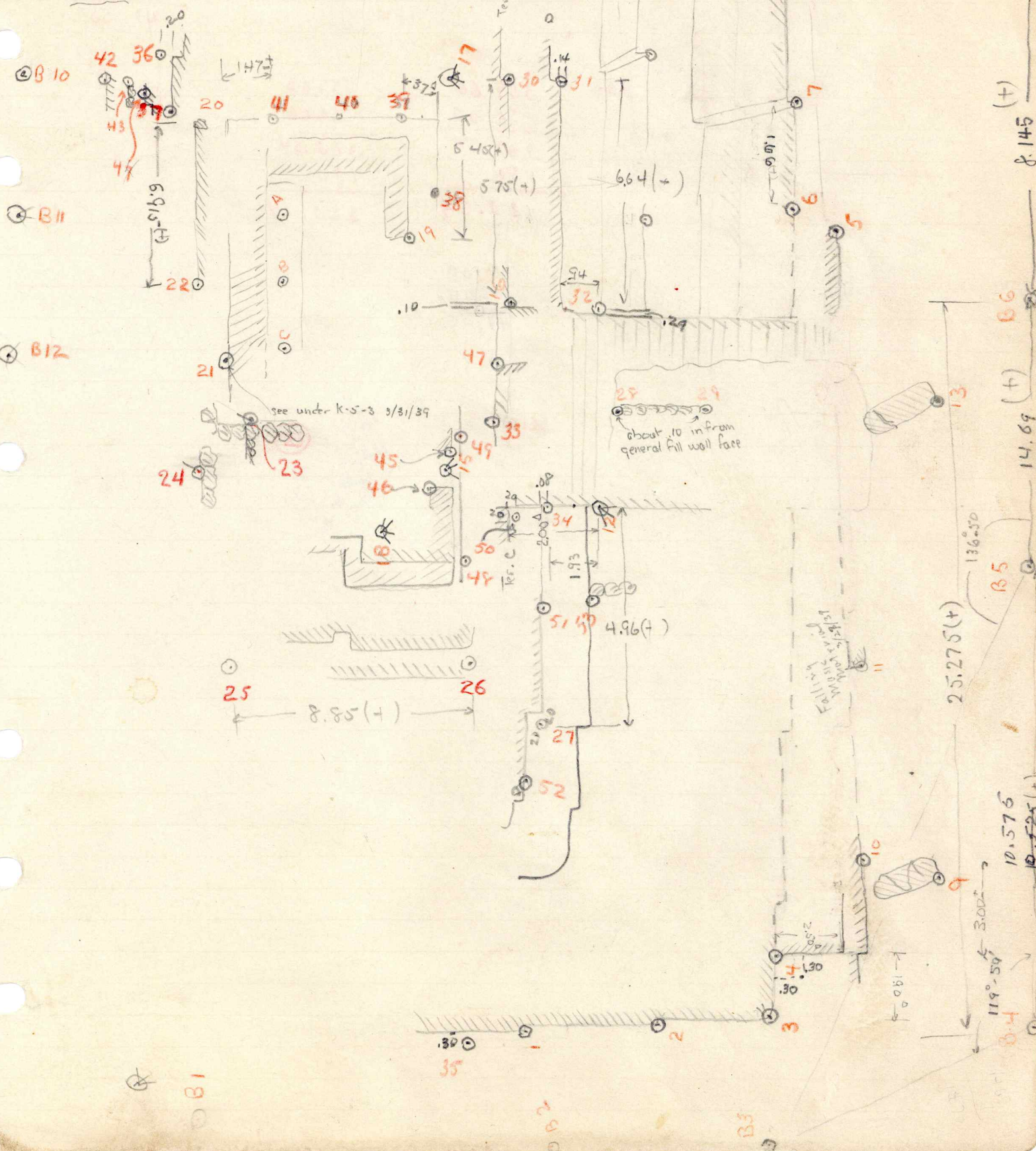
8F

3/29/39 Transit points

8.145
 14.69
 10.525
 33.360

see k-5-1 4/13

on apron



8145 (+)
 87
 66
 14.69 (+)
 65
 25.275(+)
 10.575
 3.00
 119.50
 10.525
 10.525(+)

B1

B2

B3

B4

B5

$$\begin{array}{r}
 360 \\
 49 \\
 \hline
 216 \\
 150 \\
 \hline
 36
 \end{array}$$

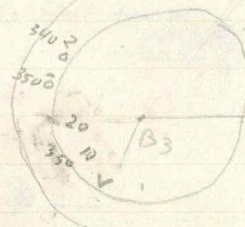
$$\begin{array}{r}
 359\ 60 \\
 43\ 55 \\
 \hline
 316\ 05 \\
 180 \\
 \hline
 136\ 05 \\
 180
 \end{array}$$

$$\begin{array}{r}
 179\ 60 \\
 136\ 05 \\
 \hline
 43\ 55
 \end{array}$$

$$\begin{array}{r}
 360 \\
 359\ 60 \\
 56\ 06 \\
 \hline
 303\ 54 \\
 180 \\
 \hline
 123\ 54
 \end{array}$$



$$\begin{array}{r}
 359\ 60 \\
 56\ 06 \\
 \hline
 303\ 54 \\
 180 \\
 \hline
 223\ 54
 \end{array}$$

$$\begin{array}{r}
 90\ 00 \\
 43\ 55 \\
 \hline
 47\ 45
 \end{array}$$





B 4

Transit points, locations. Locations in ink added in from sketch chart.

- 1 point .30 to r. of corner ^{1st outset from center,} in line with outset, one transit shot, 2 check measurements.
- 2 lowest stone, ^{2nd} first outset, (from center) right side
- 3 .20 from lowest stone
- 4 .30 from k-s-2 wall, .30 from k-s-1 wall, pin stuck in ground.
- 5 exposed corner of stone in lowest mask, topmost left corner, lowest left mask.
- 6 k-s-2 Terrace F, as far center as possible on left side, above lowest stone on wall.
- 7 k-s-2 Ter. F left side first outset.
- 8 " " " " second " "
- 9 Lower right corner stela 38.
- 10 On a section of wall exposed in early digging, later located by other points.
- 11 corner of falling mask material, right side
- 12 corner of k-s-2 step, in earlier trench.
- 13 Lower right corner stela 39.
- 14 on apron, Ter. F, k-s-2 left side.
- 15 Stake in k-s-1 right doorway.
- 16 Ter. C-k-s-2 stairway angle, left side, lowest stone.
- 17 stake in fill behind left side k-s-2 Ter. C.
- 18 Stake in stump above k-s-1 temple, right anta.
- 19 Misc. Level point 9, on plinth in front of k-s-3 left anta.
- 20 Last standing stone k-s-2 Ter C left rear.
- 21 k-s-3 building point on top standing stone of rear wall near center, outside bldg.
- 22 Point on Ter C k-s-2 rear toward center.
- 23 k-s-1 Terrace (?) rear of building, lowest stone, in line with 1st fill block.
- 24 on corner of fill block once thought to be k-s-2 building rear wall.
- 25 } Two stakes { Y } on k-s-1 building platform.
- 26 } { X }
- 27 k-s-2 Ter. D First outset right side, 
- 28 } two pins in fill on stairway, about .10 in from center fill wall face.
- 29 }
- 30 Base of first outset, k-s-2 Ter. C left.
- 31 " " " " " " " D "
- 32 Creck of Ter F, k-s-2 left, .29 from stairway side wall.
- 33 Top of Ter C, k-s-2, near center, at left side of early trench. (1937)
- 34 .08 from base of Ter D, k-s-2, on stairway side wall.
- 35 .30 from base of Ter F, right side of building.
- 36 k-s-2 Ter D Left rear  first outset from center.
- 37 k-s-2 Ter D left rear.
- 38 upper edge } k-s-3 bldg platform.
- 39 upper edge }
- 40 upper edge }

Transit points, locations, page 2

- 41 upper edge k-5-3 hdq. plot.
- 42 k-5-1 rear, lowest terrace, base, in left corner trench.
- 43 k-5-1 rear, hill wall.
- 44 k-5-2 Top of ter E, point later disregarded.
- 45 Right front corner right k-5-1 pier.
- 46 Left rear corner k-5-1 right outa.
- 47 In angle between k-5-2 Ter C. and a k-5-1 hill wall behind k-5-1 stairway.
- 48 Base of k-5-1 plinth, right side.
- 49 Top of k-5-1 plinth as far center as possible.
- 50 Base of k-5-2 Ter C in stairway angle: 
- 51 k-5-2 Ter D right side.
- 52 k-5-2 Ter D right side, see notes under 4-20-39
- 53 k-5-2 Ter E right side, corner of terrace and abutting hill wall of k-5-1
- 54 k-5-2 Ter E left
- 55 k-5-2 Ter E left, first outset.
- 56 On a pre-k-5-1 step, .30 in front of k-5-1 basal terrace, left.
- 57 k-5-2 Ter E, .20 from face, of corner of first outset, in line with outset, hollow stone. right
- 58 k-5-2 Ter E, .30 from terrace beyond first outset. (right.)
- 59 k-5-2, base of basal terrace, left, .30 from stairway side-wall.
- 60 Top left corner lowest k-5-2 step.
- 61 k-5-1, edge of niche in center line of stairway, above k-5-2 ter c.
- 62 left side top of k-5-2 col. altar.
- 63 Point on stone above base of wall, k-5-2 right front rounded corner, .65 from k-5-1 addition.
- 64 (to corner - 1.75 behind .65) corner of k-5-1 addition, right side, lowest terrace.
- 65 (to wall .25) corner of k-5-1 2nd outset, lowest terrace, right side.
- 66 First outset, lowest terrace, k-5-1 left.
- 67 .30 Δ back from front edge of stela block, right side. k-5-1
- 68 k-5-2 Ter E left side, .20 forward of corner of second outset, in line with outset.
- 69 .49 cm from 189, meter and plumb-bob measurement
- 70 .20 out and .63 down from crest of terrace wall, destroyed at this corner.
- 71 Junction of top of k-5-2 basal terrace and stairway, left side.
- 72 Corner of k-5-1 stairway, right side of stela block.
- 73 k-5-1 basal terrace, right, .30 from stairway side wall. Base of terrace.
- 74 Point on top of lowest step, .10 cm forward of line of steps (stone falling out)
- 75 Top corner k-5-2 Ter F. first outset right.
- 76 " " " " second " "
- 77 Top of ^{basal} terrace k-5-2 left, as far as it is in position, beyond first outset.
- 78 Base of wall, k-5-1 basal terrace, right, to the left of the block for stela 38.
- 79 k-5-2 Ter G right, first outset, upper outside corner. Point on stone now broken, .10 in, .05 out. 
- 80 k-5-1 right side lowest ter first outset, .20 in from corner, .30 out from wall

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Stone on which is pointer is riding out .06.

103 - on floor in front of bench, lowest stone. k-5-1 sample.

104, front corner of k-5-1 auto, single stone high, probably slipping forward^(c. 6cm), about 6 cm to center of line of doorway.

- 81 k-5-1 basal terrace left, near rounded corner.
- 82 " " " " left side of rounded corner.
- 83 k-5-2 basal terrace left, .30 beyond juncture of k-5-1 basal terrace (This point is on k-32 sub)
- 84 Top k-5-2 Ter E left side, before first outset.
- 85 Stone on which point is is riding out .06
- 86 Top of k-5-2 Terrace C near former left stairway side wall.
- 87 Probable k-5-1 terrace, only a few stones standing, left side above k-5-2 Ter.C.
- 88 Base k-5-2 Basal terrace, first outset left.
- 89 " " " " 2nd " "
- 90 Furthest existing point of k-32 sub.
- 91 } 2nd outset k-5-1 basal terrace left. (outset probably stood between 91 and 92,
- 92 } wall destroyed.)
- 93 } Two sides of break in k-5-1 basal terrace left
- 94 } made by former excavation.
- 95 Furthest left existing point on k-5-1 stairway lowest step.
- 96 k-5-1 first outset left basal terrace.
- 97 } four points on two k-5-2 steps behind
- 98 } k-5-2 column altar. 97-100 determine the
- 99 } line of the front step, 98-99 the line of the rear (higher) step.
- 100 }
- 101 Point on wall secondary to k-5-2, left, beyond rounded corner, Ter.F level.
- 102 " " " of ter.F. k-5-2 left beyond rounded corner.
- 103 On floor in front of sill, lowest stone of sill, k-5-1 temple.
- 104 Front corner k-5-1 altar, slipping forward .06 and to center .06 of stone beneath it (both below plinth level)
- 105 k-5-1 left rear corner, .10 out from curve of wall. } see under 5/5 k-5-1 and 2
- 106 k-5-2 left near top of Terrace F. " " }
- 107 On fallen log } left rear k-5
- 108 on stump }
- 109 27th step.
- 110 22nd step
- 111 same as 110, further right
- 112 15th step
- 113 10th step
- 114 7th step
- 115 5th step
- 116 top step
- 117 }
- 118 } See h.s. 4/26 k-5-1 stairway, plaza, steps.
- 119 }
- 120.

161 }
162 } k-s-2 steps, center line (approx.)

163 }

164 }

165 } k-s-3 terrace and steps, center line (approx.)

166 }

167 }

168 } k-s-3 and relation to k-s-2 sub.

169 } See notes under k-s-3 6/18/89

170 }

171 k-s-2 rear ter E. top of terrace (bottom not exposed) to center of panel

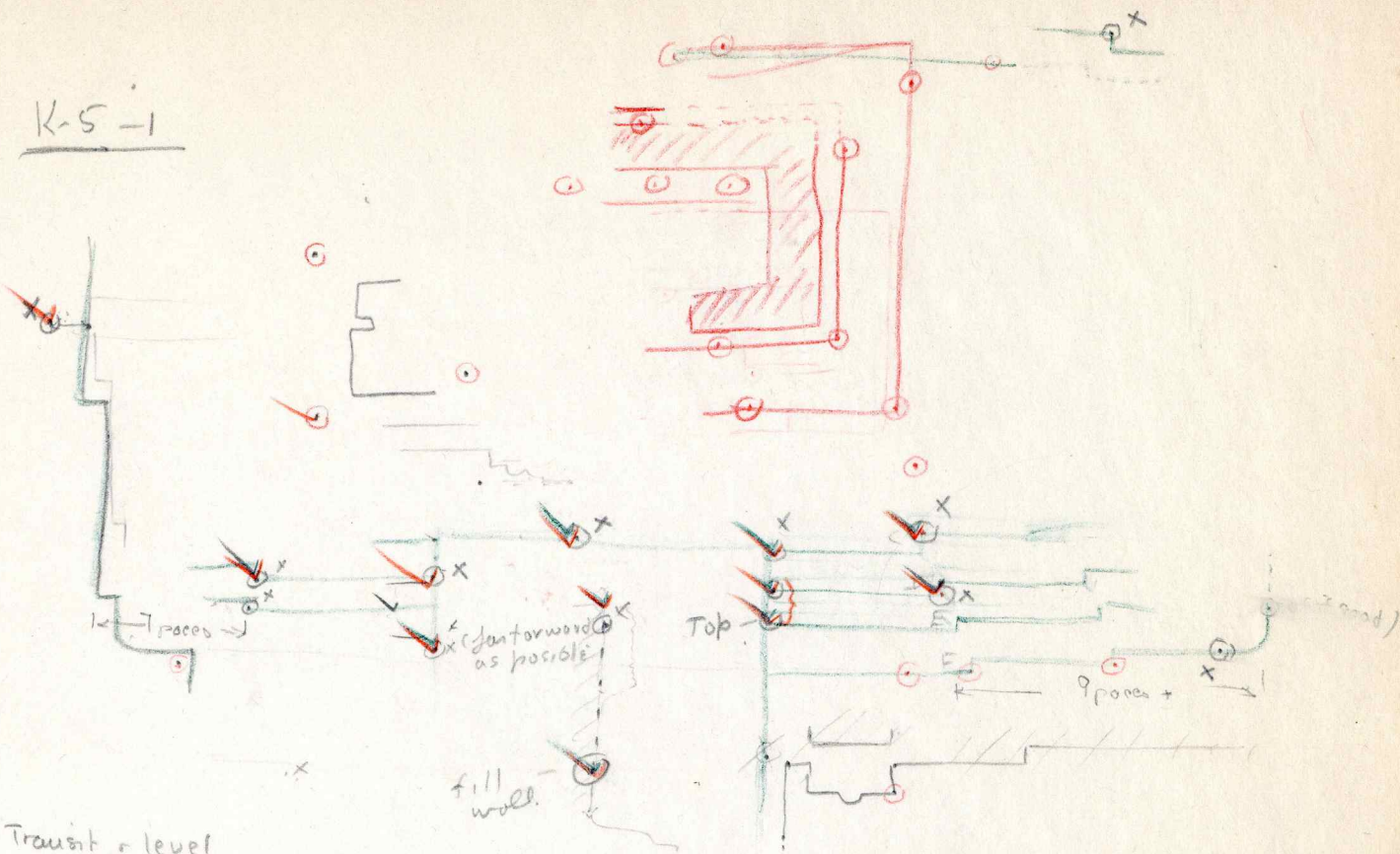
172 " " " E top of terrace, as far center as dug.

173 k-s-2 rear ter D bottom as far center as dug. On plaster floor.

174 k-s-2 rear ter E, corner of panel, neither top nor bottom.

} see k-s-2 6-11-89

K-5-1



Transit - level

- K-5-2 right side
- K-5-1 stela terrace ✓ 34
- K-5-1 stairway ✓ 12
- K-5-2 Ter. "B" ✓ 27
- K-5-1 left side "wall" ✓ 39 in relation to 17

Level - tape

- K-5-1 bldg + platform ✓ 40 do
- ✓ 41 do
- 36 in relation to 37
- ✓ 28 and 29 for off center.
- 10 what is it?

Transit : 18, 19
38

- (check me) K-5-3 bldg platform
- K-5-3 no. bldg.
- K-5-1 stela terrace
- K-5-2 stela terrace

level K-5-3 plinth base

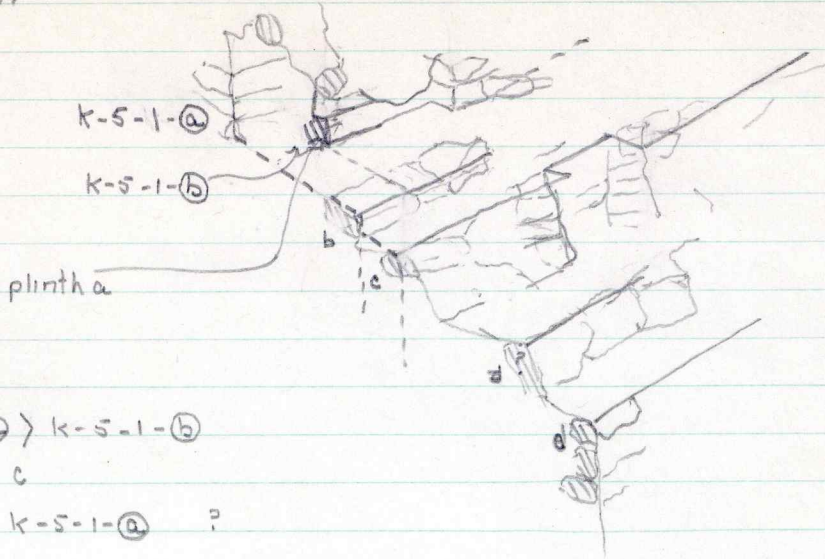
- 21
- A
- K-5-3 bench, floor.

K-5-1st

K-5-1 building r building platform, right rear.

experimental recon

3/14/89



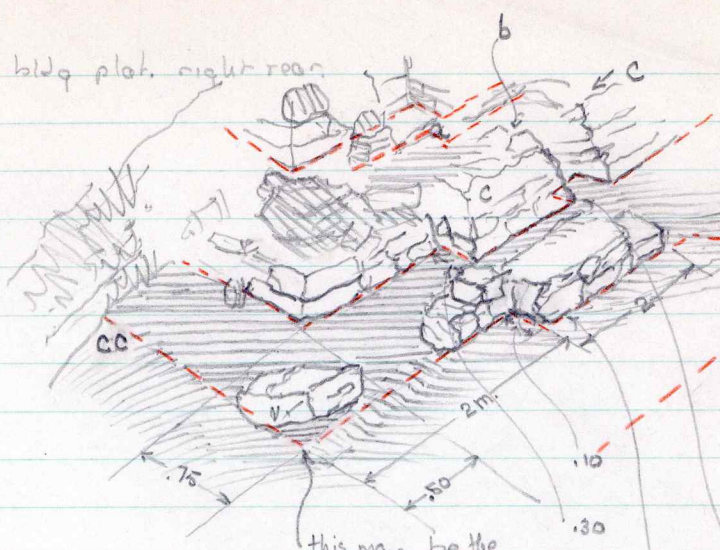
k-5-1-a > k-5-1-b
 b > c
 c = k-5-1-a ?

K-5-1st building + bldg plot, right rear
3/15/39

⌆

Rough measurements
by pacing only.

$c^a < c$
 $b > c ?$



Experimental recons.

wall in very poor condition.

two large stones removed from here shown in exp. recons. dated 3/14/39 marked "P"

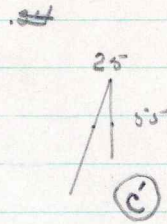
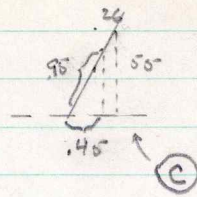
flooring found in position in this niche.

this may be the corner stone, but is displaced toward the building. (10 cm)
it is a poor stone, rough, poorly shaped.

these are the lowest stones of this wall, about 3 cm lower than wall c.

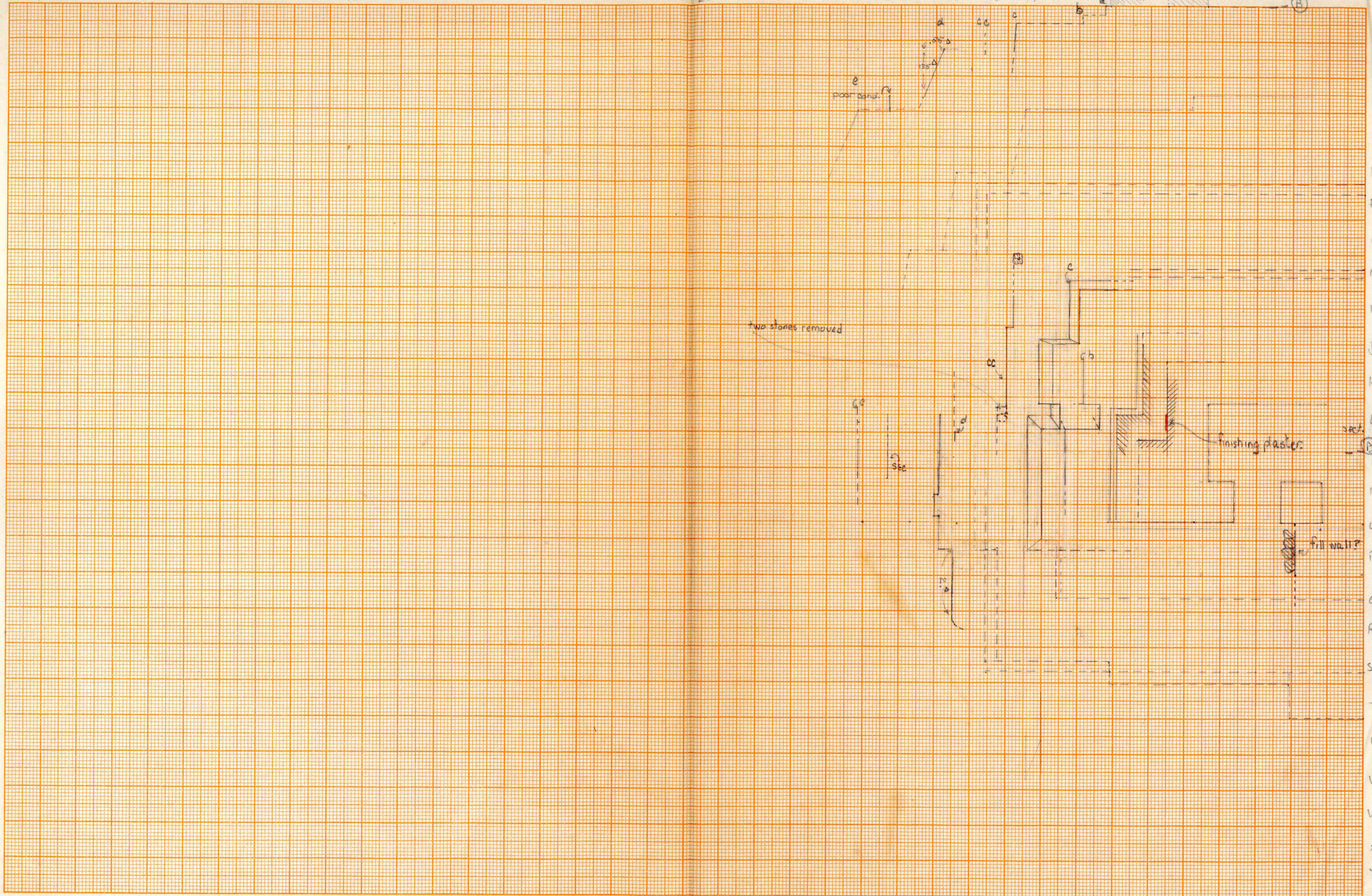
k-5-1st 3/15/39 Right rear ^{corner} of k-5-1
 Slope - out 26 down 55 for slope of c

This slope is a selected part of the wall
 'Slope c' is the front inside corner of the
 niche, where the back-facing wall passes behind
 the rear wall of the niche.



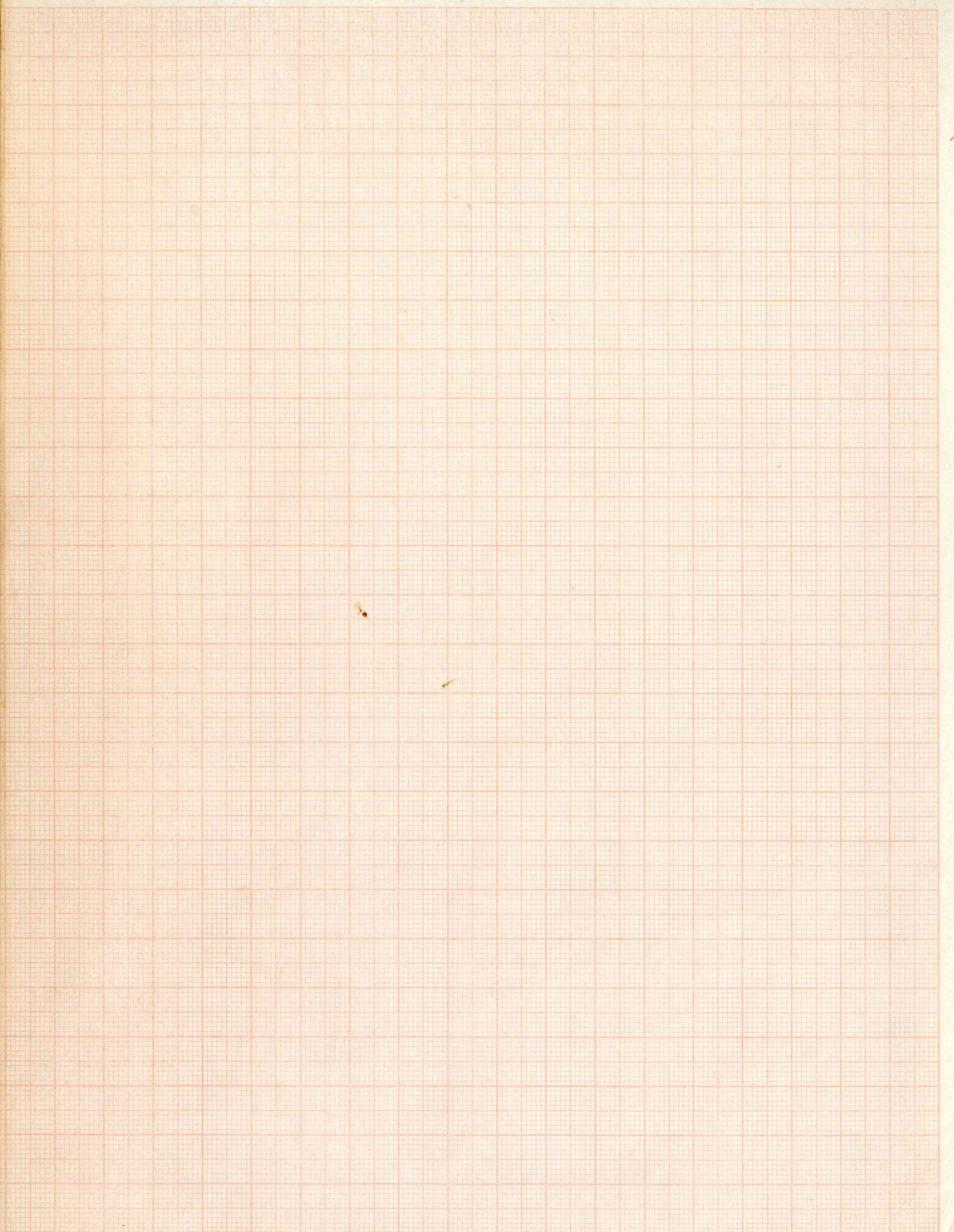
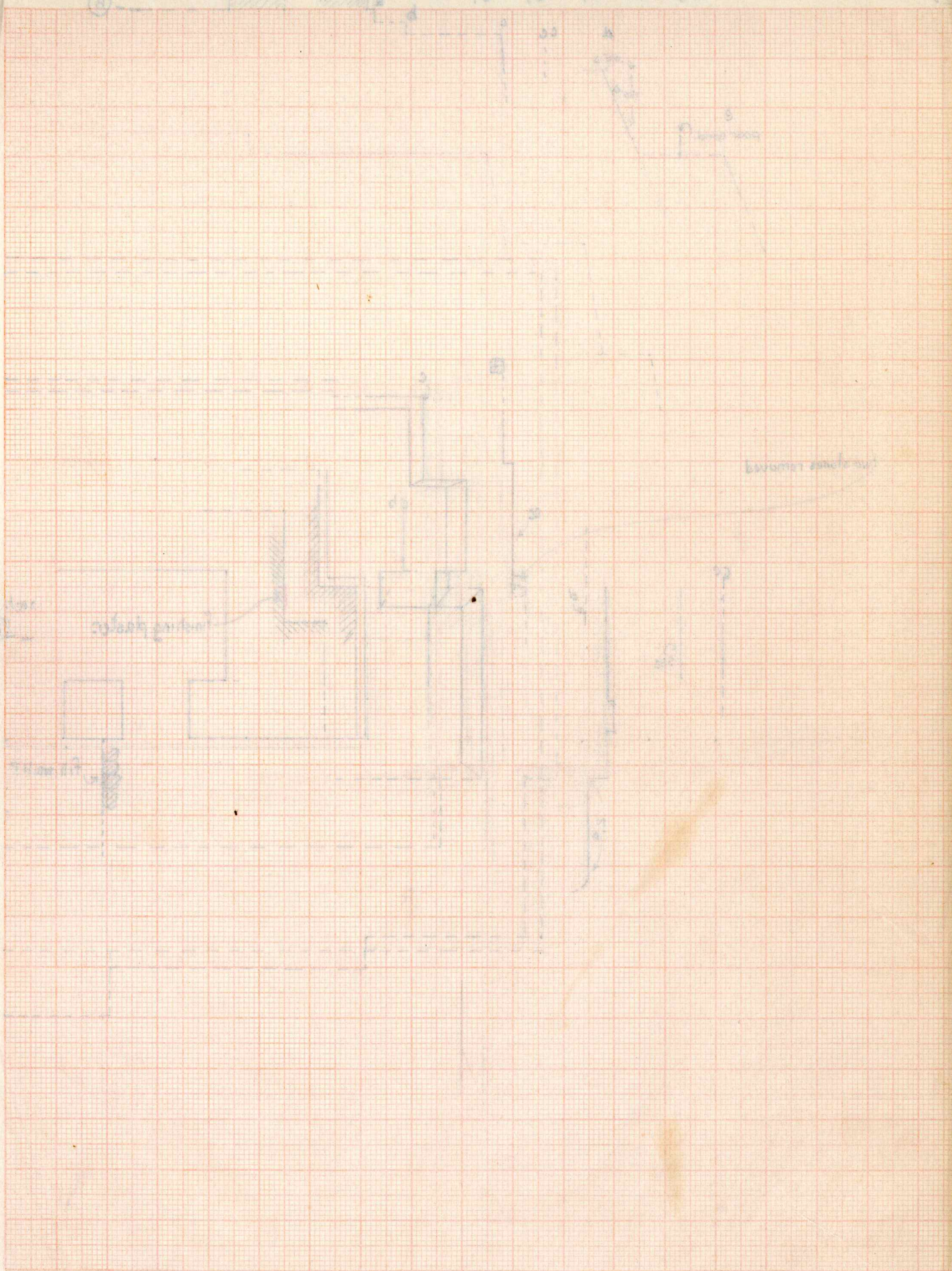
3/20/39, additional note:

The front inside corner of this niche, selected for
 measuring the batter on the wall, has since proved
 to be the front outside corner of a corresponding niche
 on terrace "b."



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3/18/89



K-S-1 and 2 levels,

K-S-1 building pier & plinth

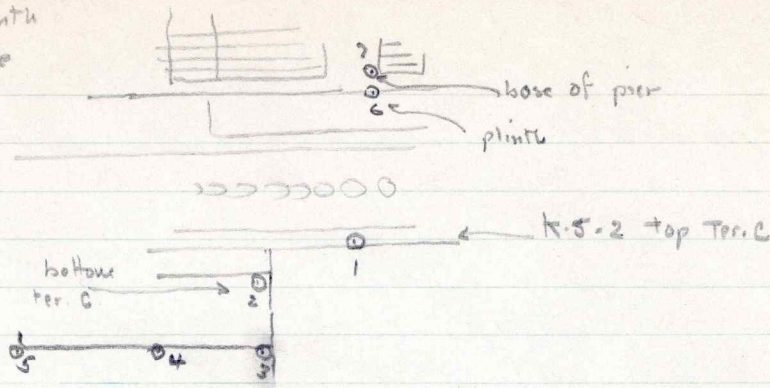
K-S-2 Terraces, right side

- 3.20

+ .465

1 h = - 2.735

sq = 2.74



T 55 - T 57 = 1.95 (+)

T 34 - T 51 = 2.01 (+)

T 51 - T 27 = 2.70 (+)

T 27 - T 52 = 2.26 (+) (?)

① hi +.465

② hi +.23 above point 1.

1 read down - 3.20 from ①

2 read down - 2.495 from ②

⑤ hi = 3.46 above 1

* 6 read down from 5 - 0.65

3 read down - 2.455 from ③

7 read down from 5 - 0.935

4 read down - 2.45 from ④

5 read down - 2.73 from ⑤

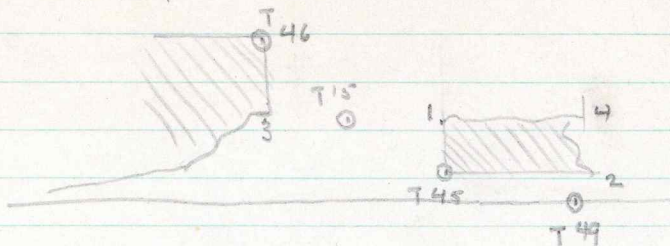
④ read up 1.515 from 2

read up 3.145 from 3

* very probable that there is one stone missing from this plinth height, .10 A (stone occurs in position farther to center of building. L.S.)

The K-S-2 Terrace levels were retaken after the terraces had been more completely cleared. These measurements were given as probably not accurate, since considerable further excavation was afterward made to find the lowest stones of the terraces.

k-s-1 existing pier

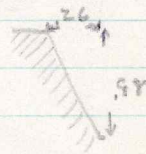


- 15 - 45 = .77
- 45 - 1 = .37
- 15 - 1 = .57
- 49 - 45 = .60 approx
- 45 - 2 = .85
- 2 - 49 = .40
- 2 - 4 = .30 approx
- 15 - 49 = 1.33 approx

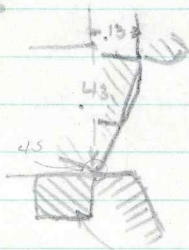
Width of plinth at:

- 45 = .29
- 49 = .20
- 2 = .20 (bad condition, only approx.)
- 15 = .82

Batter of plinth at 49, apparent best position, bulging slightly.

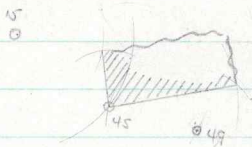


Fall of pier at 45



bottom stone, below plinth level batter in position.

Scale .02 = 100



2000 - 100
2001 - 100
2002 - 100

2003 - 100
2004 - 100
2005 - 100

2006 - 100
2007 - 100
2008 - 100

2009 - 100
2010 - 100
2011 - 100

2012 - 100
2013 - 100
2014 - 100

2015 - 100
2016 - 100
2017 - 100

2018 - 100
2019 - 100
2020 - 100

2021 - 100
2022 - 100
2023 - 100

2024 - 100
2025 - 100
2026 - 100

2027 - 100
2028 - 100
2029 - 100

2030 - 100
2031 - 100
2032 - 100

2033 - 100
2034 - 100
2035 - 100

2036 - 100
2037 - 100
2038 - 100

2039 - 100
2040 - 100
2041 - 100

2042 - 100
2043 - 100
2044 - 100

$$\textcircled{1} \quad h_{33} = \frac{-2.735}{+2.335}$$

$$h_i = - .400$$

$$A = \frac{-2.070}{+.835}$$

$$h = -1.235$$

$$AU = \frac{-.355}{-.400}$$

$$h = -.765$$

$$\textcircled{2} \quad \frac{+2.30}{-.755}$$

$$+1.545$$

$$B = \frac{-2.090}{+.835}$$

$$h = -1.255$$

$$AV = \frac{-0.415}{-.400}$$

$$h = -.815$$

$$\textcircled{3} \quad h_{33} = \frac{+3.570}{-2.735}$$

$$h_i = +.835$$

$$C = \frac{-1.130}{+.835}$$

$$h = -.295$$

$$E = \frac{-1.375}{+.067}$$

$$-.705$$

$$AA = \frac{-1.17}{+.67}$$

$$-.51$$

$$AR = \frac{-9.50}{+.835}$$

$$+1.18$$

$$+.67$$

$$\textcircled{4} \quad h_i = +0.67$$

$$D = \frac{-1.475}{+.835}$$

$$h = -.640$$

$$G = \frac{+0.670}{-0.605}$$

$$+.065$$

$$AB = \frac{+.67}{-.195}$$

$$+.478$$

$$+.67$$

$$+.80$$

$$AS = \frac{-4.65}{+.205}$$

$$F = \frac{-0.79}{-.40}$$

$$h = -1.19$$

$$H = \frac{+.67}{-.40}$$

$$+.27$$

$$AC = \frac{+.67}{-.195}$$

$$+.478$$

$$+.67$$

$$+.80$$

AT

$$K = \frac{-0.77}{-.40}$$

$$h = -1.17$$

$$I = \frac{-1.38}{+.67}$$

$$-.71$$

AD = $\frac{+.67}{-.325}$

$$.345$$

~~AV~~

$$L = \frac{-1.180}{+.835}$$

$$h = -.345$$

$$J = \frac{-1.39}{+.67}$$

$$-.72$$

$$AE = \frac{+.67}{-.1405}$$

$$+.67$$

$$-.735$$

~~AV~~

$$N = \frac{-1.800}{+.835}$$

$$h = -.965$$

$$O = \frac{-1.39}{+.67}$$

$$-.72$$

$$AF = \frac{+.67}{-.1405}$$

$$+.67$$

$$-.735$$

AW

$$AL = \frac{-.76}{+.67}$$

$$.69$$

$$M = \frac{-1.800}{+.835}$$

$$h = -.965$$

$$P_1 = \frac{+.67}{-.37}$$

$$+.30$$

$$AG = \frac{-1.40}{+.67}$$

$$-.78$$

AX

$$\textcircled{5} \quad \frac{+1.545}{-1.305}$$

$$+.240$$

$$U = \frac{-1.800}{+.835}$$

$$h = -.965$$

$$P_2 = \frac{+.67}{-.059}$$

$$+.08$$

$$AH = \frac{+.67}{-.059}$$

$$+.08$$

AY

$$V = \frac{-1.800}{+.835}$$

$$h = -.965$$

$$Q = \frac{-1.75}{+.67}$$

$$.105$$

$$AI = \frac{+.67}{-.059}$$

$$+.08$$

AZ

$$W = \frac{-1.800}{+.835}$$

$$h = -.965$$

$$R = \frac{-1.36}{+.67}$$

$$-.85$$

$$AJ = \frac{-1.40}{+.67}$$

$$-.78$$

$$BA = \frac{+1.545}{-1.385}$$

$$+.165$$

$$X = \frac{-1.800}{+.835}$$

$$h = -.965$$

$$S = \frac{-1.36}{+.67}$$

$$-.85$$

$$AK = \frac{-1.40}{+.67}$$

$$-.78$$

BB

$$Y = \frac{-1.800}{+.835}$$

$$h = -.965$$

$$T = \frac{-1.30}{+.67}$$

$$-.63$$

$$AL = \frac{-1.40}{+.67}$$

$$-.78$$

BC

$$Z = \frac{-1.800}{+.835}$$

$$h = -.965$$

$$U = \frac{-1.40}{+.67}$$

$$-.78$$

$$AM = \frac{-1.40}{+.67}$$

$$-.78$$

BD

$$V = \frac{-1.49}{+.67}$$

$$-.86$$

$$AN = \frac{+.67}{-0.57}$$

$$+.10$$

$$BE = \frac{-3.95}{+.67}$$

$$-3.28$$

$$W = \frac{-1.225}{+.67}$$

$$-.555$$

$$AO = \frac{+.670}{-.185}$$

$$+.185$$

$$BF = \frac{+1.30}{-1.905}$$

$$+.345$$

$$AP = \frac{-1.490}{+.835}$$

$$.435$$

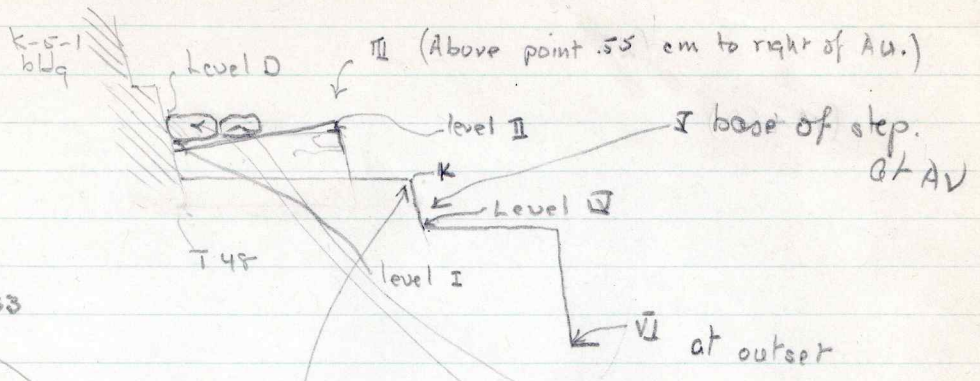
$$BG = \frac{+.835}{-.835}$$

$$-.835$$

AQ

BH

K-5-1 5/7



$H_i = 2.61$ above T.33

I rad down - 1.01 H_i wrong.

II rad down - 1.01

III rad down - 0.685

IV rad down - 1.73

K rad down - 1.35

V rad down - 1.11

VI rad down - 3.70

At AU this step is the same height as AU

$$\begin{array}{r}
 H T 33 = -2.125 \\
 + 2.61 \\
 \hline
 h_i = .485
 \end{array}$$

$$\begin{array}{r}
 I -11.011 \\
 + .1825 \\
 \hline
 h_i = -1.8335
 \end{array}$$

$$\begin{array}{r}
 II - .8335
 \end{array}$$

$$\begin{array}{r}
 III - 0.685 \\
 + .1825 \\
 \hline
 h_i = -.5025
 \end{array}$$

$$\begin{array}{r}
 IV - 1.73 \\
 + .1825 \\
 \hline
 h_i = -1.5475
 \end{array}$$

$$\begin{array}{r}
 V - 1.11 \\
 + .1825 \\
 \hline
 h_i = -.9275
 \end{array}$$

$$\begin{array}{r}
 VI - 3.70 \\
 + .1825 \\
 \hline
 h_i = -3.5175
 \end{array}$$

$$\begin{array}{r}
 K - 1.35 \\
 + .1825 \\
 \hline
 h_i = -1.1675
 \end{array}$$

Good stone, squared, lining up with the step side, close in contact with k-5-1 plinth.
 Poorer stone, not flat on top, not well lined up with side of step, probably not in position.
 No floor below or at this level, fill crosses line.()

$$\begin{array}{r}
 h_k = +1.35 \\
 -1.17 \\
 \hline
 h_i = +.18
 \end{array}$$

K-5-1 Temple and bldg platform.

Tape & plumb

Check batters:

AL-N - out .36 down .83

AM-(F-A6) = .89 down .75

AO-(J-u) = .47 down .74

O, R, S, T, wall stands over stone high, to a maximum of .30

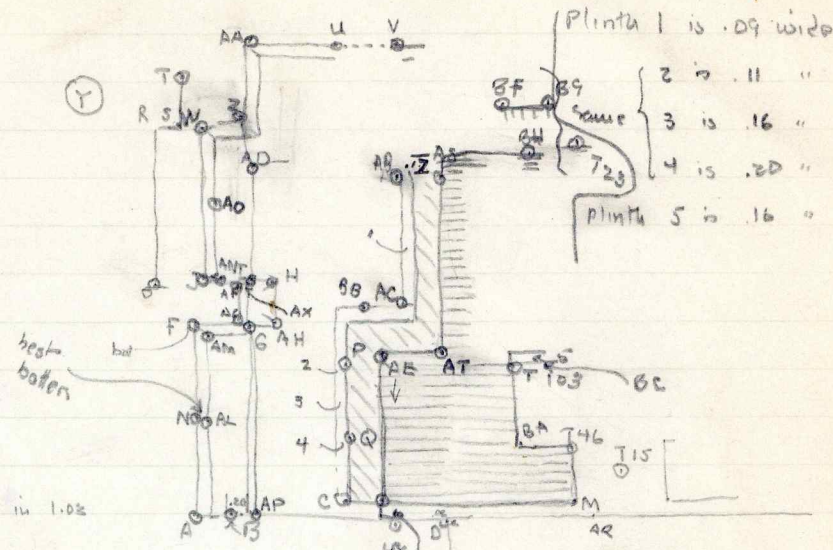
At AA only one stone is standing.

Wall above AE falling ^{to front} faceward .29 in 1.03

falling to side .30± in 1.03.

Batter of wall above Q .23 ^{down} .68

Wall rests on Ter C K-5-2



x - A = .74 (+)	P - A = 4.60 (+)	Y - A = 8.07 (+)	X - A6 = 5.41 (+)
x - B = 6.38 (+)	P - B = 4.00 (+)	Y - B = 7.90 (+)	P - AE = 2.24 (+)
x - 48 = 3.03 (+)	P - 48 = 3.51 (+)	Y - 48 = 8.19 (+)	Y - AE = 5.57 (+)
x - D = 3.35 (+)	P - D = 3.49 (+)	Y - D = 8.22 (+)	P - G = 1.40 (+)
x - E = 3.15 (+)	P - E = 4.51 (+)	Y - E = 9.20 (+)	X - G = 4.65 (+)
x - 15 = 3.28 (+)	P - K = 4.82 (+)	Y - K = 9.51 (+)	Y - G = 4.47 (+)
x - C = 2.94 (+)	P - C = 2.91 (+)	Y - C = 7.45 (+)	
x - L = 3.84 (+)	P - L = 2.75 (+)	Y - L = 7.61 (+)	X - I = 5.59 (+)
x - M = 6.53 (+)	K - M = 3.76 (+)	M - AV = 1.81 (+)	P - I = 1.02 (+)
x - F = 4.76 (+)	P - F = 2.16 (+)	Y - F = 4.08 (+)	Y - I = 3.90 (+)
x - J = 5.22 (+)	P - J = 1.94 (+)	Y - J = 3.68 (+)	
Y - N = 3.25 (+)	P - N = 2.55 (+)	Y - N = 5.56 (+)	F - J = .52
x - O = 5.24 (+)	P - O = 2.78 (+)	Y - O = 3.57 (+)	F - A6 = .66
x - P = 5.39 (+)		Y - P = 4.88 (+)	J - A6 = .57
x - Q = 3.96 (+)	P - Q = 1.65 (+)	Y - Q = 6.37 (+)	F - AF = .76
x - R = 7.34 (+)	P - R = 3.67 (+)	Y - R = 1.45 (+)	J - AF = .36
x - S = 7.34 (+)	P - S = 3.54 (+)	Y - S = 1.48 (+)	AF - A6 = .41
x - T = 7.69 (+)	P - T = 3.78 (+)	Y - T = 1.15 (+)	G - AH = .93
X - W = 7.03 (+)	P - W = 2.97 (+)	Y - W = 1.92 (+)	H - G = 1.29
x - Z = 7.15 (+)	P - Z = 2.65 (+)	Y - Z = 2.20 (+)	I - AH = .80
x - AA = 8.73 (+)	P - AA = 4.11 (+)	Y - AA = 1.25 (+)	I - G = .99
x - U = 9.34 (+)	P - U = 4.18 (+)	Y - U = 2.77 (+)	H - AH = .73
x - V = 9.73 (+)	P - V = 4.41 (+)	Y - V = 3.66 (+)	H - T = .44
x - AB = 7.20 (+)	P - AB = 1.80 (+)	Y - AB = 3.98 (+)	
x - AD = 7.09 (+)	P - AD = 2.41 (+)	Y - AD = 2.46 (+)	
x - AC = 6.12 (+)	P - AC = .73 (+)	Y - AC = 4.81 (+)	

K-S-1 Temple and building platform. Tape and plumb. Sheet 2

AV	AU - K = 2.34 (+)	48 - AV = 2.67 (+)	AU - L = 2.47 (+)
AV	AV - L = 3.39 (+)	AV - K = 3.25 (+)	AV - 48 = 3.65 (+)
AW	AW - 48 = 4.46 (+)	AW - X = 7.10 (+)	AW - M = 2.73 (+)
AI	AI - 48 = 2.18 (+)	AI - X = 4.18 (+)	AI - M = 3.59 (+)
AJ	AJ - 48 = 4.72 (+)	AJ - X = 6.97 (+)	AJ - M = 3.91 (+)
AK	AK - 48 = 3.26 (+)	AK - X = 4.43 (+)	AK - M = 4.76 (+)
AL	AL - P = 5.32 (+)	AL - X = 3.30 (+)	AL - Y = 5.62 (+)
AM	AM - P = 1.80 (+)	AM - X = 4.42 (+)	AM - Y = 4.52 (+)
AN	AN - P = 1.55 (+)	AN - X = 5.17 (+)	AN - Y = 3.98 (+)
AO	AO - P = 2.04 (+)	AO - X = 6.30 (+)	AO - Y = 2.86 (+)
AP	X - AP = 1.60 (+)	K - AP = 2.40 (+)	P - AP = 3.81 (+)
AQ	P - AQ = 3.13 (+)	AQ - X = 3.73 (+)	AQ - K = 1.69 (+)
AR	AR - AY = 1.59 (+)	AR - M = .35	AR - 48 = 3.68 (+)
AS	AD - AS = .87	AE - AS = 2.39 (+)	AS - Y = 4.62 (+)
AT	AT - AS = 2.22 (+)	AT - AC = 1.15 (+)	AT - AE = .73
BB	BB - P = .60	BB - AC = .27	BB - AB = 1.27
BC	BC - 103 = .36	BC - 46 = 2.03 (+)	
AX	AX - AN = 18	AX - AM = 50	AX - G = .55
AY	AY - AN = .52	AY - AM = .60	AY - G = .21
AZ	AZ - AN = .63	AZ - AM = .32	AZ - G = .10
BA	103 - BA = 1980	BA - 46 = .61	
BB	BB - X = 7.64 (+)	BB - AY = 2.35 (+)	BB - AJ = .67
103	M - T 103 = 3.32 (+)	46 - 103 = 2.00 (+)	
46	M - 46 = 1.26 (+)		
23	T - 23 = 5.77 (+)	23 - 33 = 11.41 (+)	23 - F = 7.35 (+)
BD	K - BD = 2.23 (+)	A - BD = 3.78 (+)	AK - BD = 1.53 (+)
BE			
BF	BF - U = 2.34 (+)	BF - V = 1.73 (+)	BF - AJ = 1.17 (+)
BG	BG - BF = .66 (+)	BG - U = 2.90 (+)	BG - 46 = 3.37 (+)
BH	BH - 46 = 3.25 (+)	BH - BF = 1.07 (+)	

two points on either side of G, Top of outer niche.

107
3.25

K-5-1 Temple r Bldg platform Levels. Same points as tape and plumb.

- ① Hi 2.335 above T. 33
- ② Hi 2.30 above AU
- ③ hi 3.57 above T. 33
- ④ hi 0.67 above zero
- ⑤ hi 1.30 above zero

- ⑥ hi 1.99 above k.
- ⑦ hi 1.36 above AD

Read down:

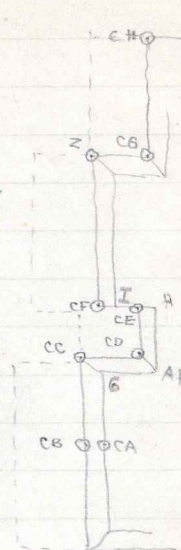
read down - 1.775 bottom of plumb in front of right door. from ②

- A. - 2.07 from ③
- B - 2.09 from ③
- C - 1.13 from ③
- D - 1.475 (top of step. D is bottom.) from ③
- E - 0.79 from ①
- F - 1.375 from ④
- G - 0.605 from ④
- H ~~1.13~~
- I - 1.10 from ④
- J - 1.38 from ④
- K - 0.77 from ①
- L - 1.18 from ③
- M - .90 from ④ below of top standing stone.
- N - 1.80 from ③
- O - 1.39 from ④
- P ① = - 0.37, ② = - 0.59 from ④.
- Q - .775 from ②
- R - 1.32 from ④
- S - 1.32 from ④
- T - 1.30 from ④
- U - 1.40 from ④
- V - 1.49 from ④
- W - 1.225 from ④
- X
- Y
- Z - 1.37 from ④
- AA - 1.18 from ④
- AB - .355 from ⑦
- AC ① - .195 from ④, ② - .28 from ④, ③ - .47
- AD - .025 from ④
- AE (zero level for k-5 1st, 2nd, and 3rd)
- AF - 1.405 from ⑦
- AG - 1.40 from ④
- AH

- AI
- AJ - 2.325 from ①
- AK - 2.845 from ① (? wall badly falling.)
- AL - 0.93 from ③ - .76 from ④
- AM - .665 from ③
- AN - 0.57 from ④
- AO - 0.485 from ④
- AP - 1.29 from ③
- AQ - 1.20 from ③
- AR - .95 from ③
- AS - .465 from ④
- AT
- AU - .355 from ①
- AV - 0.415 from ①
- AW
- AX (same as AY)
- AY
- AZ
- BA - 1.385 from ②
- BB
- BC
- 48 - 0.82 from ①
- 46
- 103 (on sill; ^{From} - .98 above ②)
- ① Chicos running out from rear wall slightly above base; -1.305 from ②. 40 cm to rear of rear wall, which extends 1 stone (15 cm) below this level.
- ② Surface floor plaster - 1.38 from ②
- ③ .0325 from ④ rear wall phase A
- BE - 0.95 from ④
- BF - 0.95 from ④
- BG - 0.935 from ④
- BH - .43 from ⑦

Early building platform. Supplementary points

levels on this wall doubtful, bottom stones rest on chiecos, but line very uneven.



- CA CA - K = 3.67 (+) CA - P = 2.01 (+) CA - Q = 2.57 (+)
- CB CB - D = 2.25 (+) CB - CA = .41 CB - X = 3.35 (+)
- CC CC - X = 4.88 (+) CC - P = 1.58 (+) CC - R = 2.67 (+)
- CD CD - CF = .69 CD - H = .55 CD - G = .75
- CE CE - AH = .66 CE - G = .97 CE - I = .14
- CF CF - X = 5.38 (+) CF - R = 1.41 (+) CF - R = 2.40 (+)
- CG CG - R = 1.79 (+) CG - AS = 2.25 (+) CG - P = 2.50 (+)
- CH CH - AS = 2.98 (+) CH - AA = 1/2 (+) CH - CG = 1.56 (+)

① Hi above 0 read: .805

CM read down: - 2.95
+ .805
= - 2.145

CA read down - .860
+ .805
= - .055

CB read down - 2.020
+ .805
= - 1.215

CC read down - 1.785
+ .805
= .980

CD read down - 1.770
+ .805
= .965

CE read down - 1.725
+ .805
= .920

CF read down - 1.70
+ .805
= .895

CG read down - 1.475
+ .805
= .670

CH read down - 1.45
+ .805
= .645

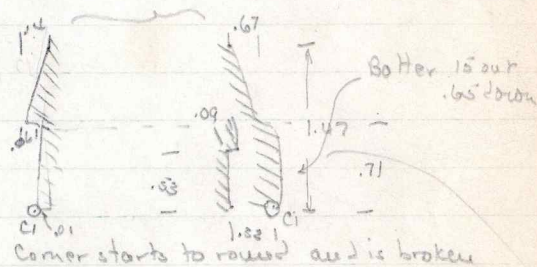
CI read down - 3.075 (bottom stone, chiecos under)
+ .805
= 2.270

CJ read down - 2.98 (bottom stone)
+ .805
= 2.175

CK read down - 3.00
+ .805
= 2.195

CL read down - 3.055
+ .805
= 2.250

- CL - O = 3.23 (+) X - CL = 6.65 (+) CK - CM = 1.60 (+)?
- CM - R = 2.80 (+) X - CM = 7.94 (+) CM - CH = 1.69 (+)
- CI - AA = 3.16 (+) CI - R = 1.77 (+) CI - D = 3.85 (+)
- CK - O = 4.61 (+) CK - T = 3.32 (+) CK - AA = 4.13 (+)
- CJ - AA = 3.17 (+) CJ - R = 2.95 (+) CJ - CI = 2.26 (+)



② hi read 0.73 above 0 beyond CG.

CK read down - 1.34 from ②

③ hi read .665 above 0

CD read down - 2.90 from ③ bottom stone, seek K-5-1 outer section.
+ .665
= - 2.235

CO - CH = 4.94 (+)

CN - CH = 3.58 (+) CC - CN = 2.70 (+)

Batter above original top of wall. Batter is out 1.54 down. Batter is out 1.54 down. Batter is out 1.54 down. Batter is out 1.54 down. Batter is out 1.54 down.

Check heights k-s-t bldg. plot. 6-22-39.

hi above zero read: .255

$$\begin{array}{r}
 +.755 \\
 G \text{ read down} = .67 \\
 \hline
 +.085
 \end{array}$$

H read down = .63

$$\begin{array}{r}
 +.755 \\
 I \text{ read down} = .50 \\
 \hline
 +.255
 \end{array}$$

$$\begin{array}{r}
 CF \text{ read down} = 1.665 \\
 \hline
 .755 \\
 \hline
 1.10
 \end{array}$$

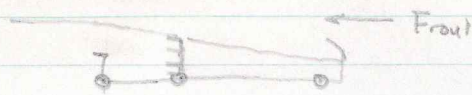
$$\begin{array}{r}
 cc \text{ read down} = 1.735 \\
 \hline
 .755 \\
 \hline
 .980
 \end{array}$$

$$\begin{array}{r}
 CB \text{ read down} = 1.97 \\
 \hline
 .755 \\
 \hline
 1.215
 \end{array}$$

} Put fill below lowest stones, no clecos.

Edge of Bldg ter. in line with front wall of walk, read down = 1.54

5/15 K-5-1 Building platform, right side



Outset: top to bottom, .20 cm minish Apron:
 depth: .15 (above apron) .31, .57 height: .51
 standing to: .94 depth: .12
 angle of fall .23 in .94 (foreward) (much smaller)

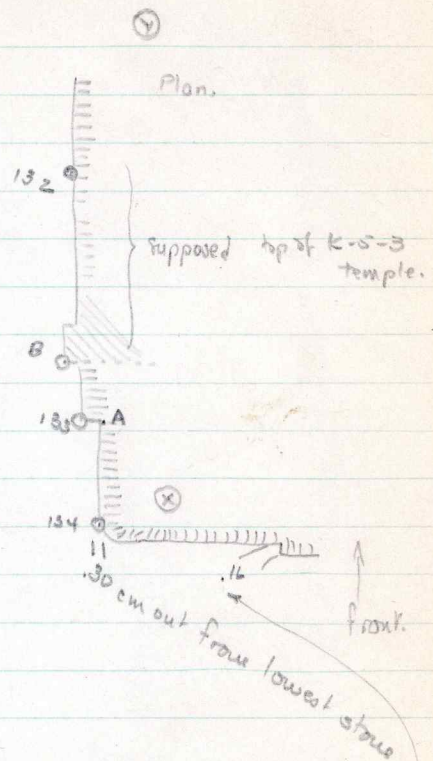
Wall:

batter: out .29 down .24 at best point. opposite niche in plinth terrace. Bulges slightly at outset, but not falling out.

hi 0.645 above zero

133 rad down - 3.88
 + .645
 - 2.735
 134 rad down - 3.57
 + .645
 - 2.925

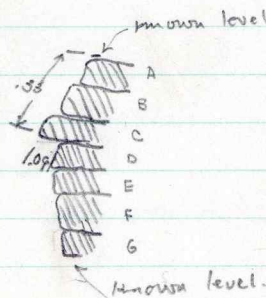
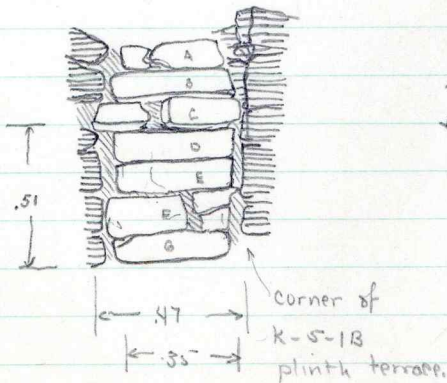
133-134 = 1.37 (+)
 134 - A = 1.43 (+) very poor condition, one stone out
 A - 133 = .31
 B - 132 = .66



5/22/55 "Niche" in building platform

Elevation

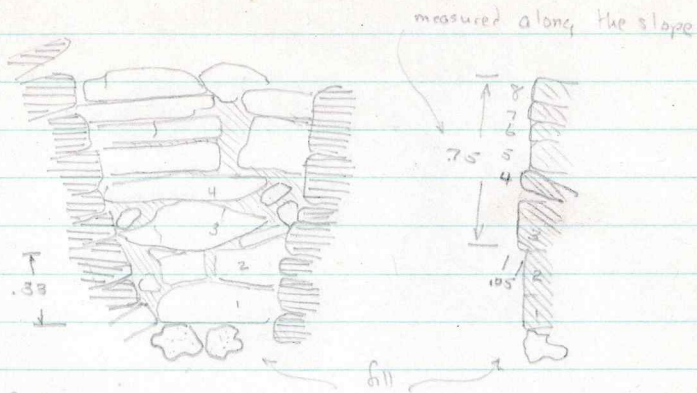
Section



33
 51
 84

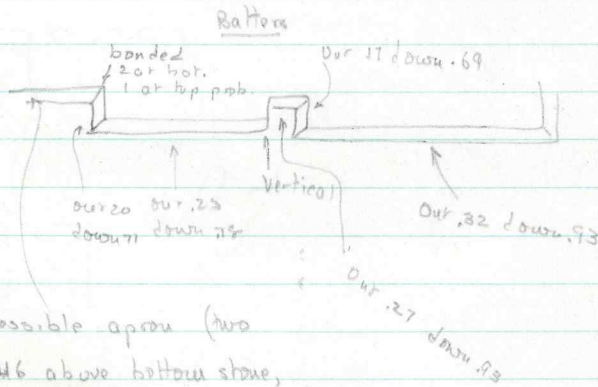
6-17-39 K-5-1 b

Niche in original building platform.

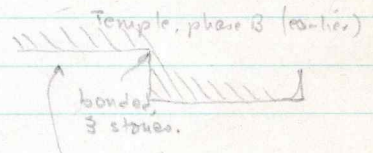


The corners of this inset are not bound. All the stones of the back of the inset pass behind the stones of the adjacent wall. Inset may be remaining exposed portion of an earlier wall.

Both sides dug slightly. No traces of continuing wall. One stone on rear side of niche binds in to back of niche. Questionable bonding on front corner, front wall cut to 10 above stone 3.

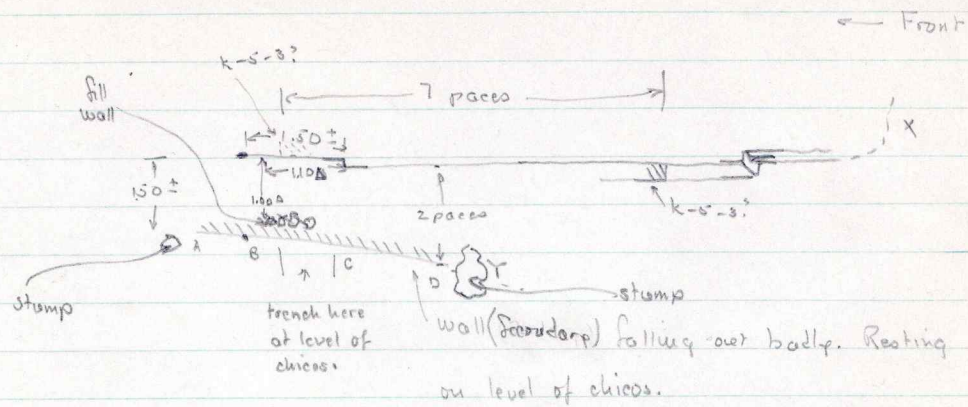


possible apron (two stones) .46 above bottom stone, .09 deep. Batter below this out .09 down .40. No plaster on bottom of two stones as continuation, but two stones which exist in corner above apron line up with it, batter out .10 down .41



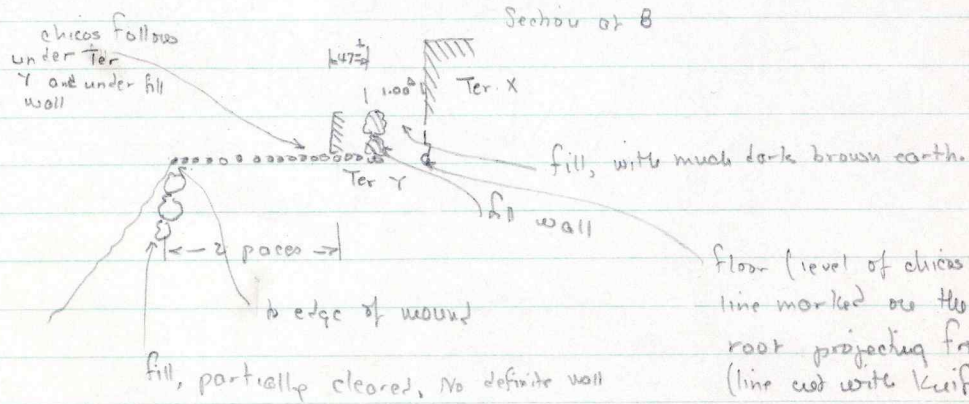
both floors appear under this wall, upper one backing wall.

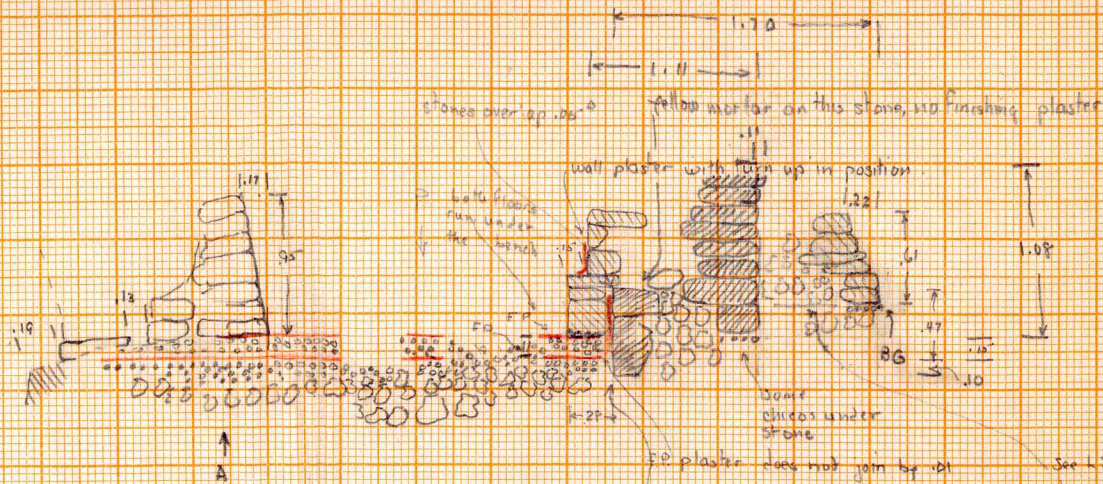
6-1-89. k-5-1 Right side, bldg. plot.



Stands above level: At A .10 (1 stone,) at B .10 (one stone) at C .30 (3 stones)
 at D .70 (maximum height)

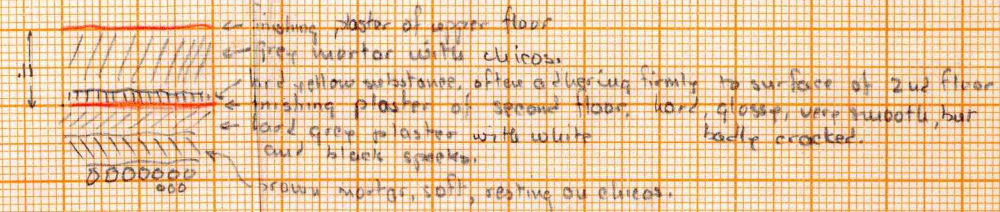
Section





lowest floor varies considerably in level, esp. noted under sill.

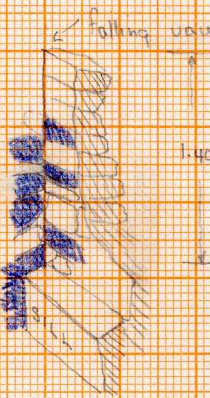
Enlarged Section of floors at A (cont)



iso. slopes realized

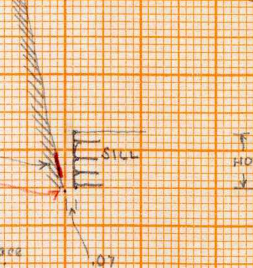
stones laid in like tie in further wall.

Probable sound, but rather a poor one. Most stones were well interbedded from setting.



1.40

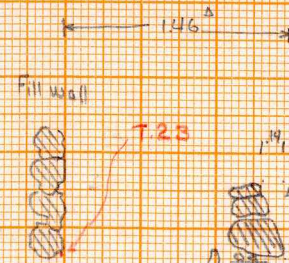
Section in front of sill K27X



Traces of surface plaster on this wall behind sill

This wall continues back 25 from face of sill, ends against wall behind sill face above section.

* Rear wall passes behind side wall .32 + Two stones in line.



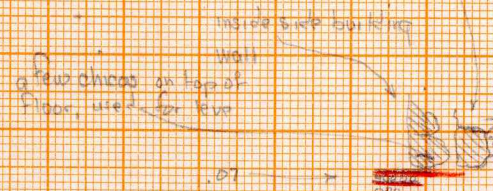
possible rear K-5-1 terrace wall, three stones only, as shown

K-5-2 Terrace C a few chips and small fill underneath.

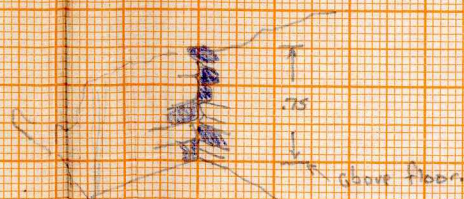
Section at D (see above left)

possible 2nd wall, but no traces of plaster. 16th floor continues within

No wall, fill stones only

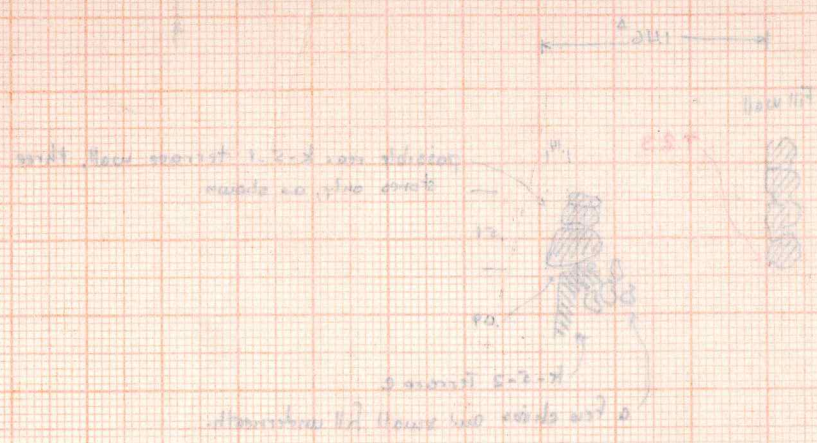


iso, front right inside corner of building



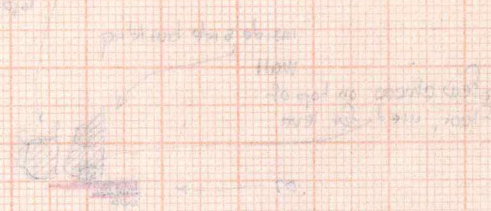
Section at Rear Anta corner

16th floor broken into backing with.

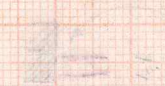


Section of P (above 100m)

Handwritten notes in blue ink, possibly describing the diagram above.

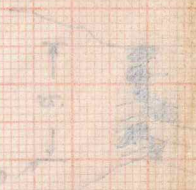


Section of P (above 100m)

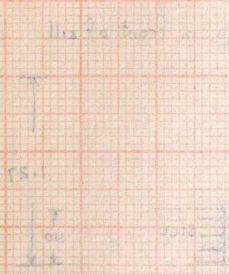
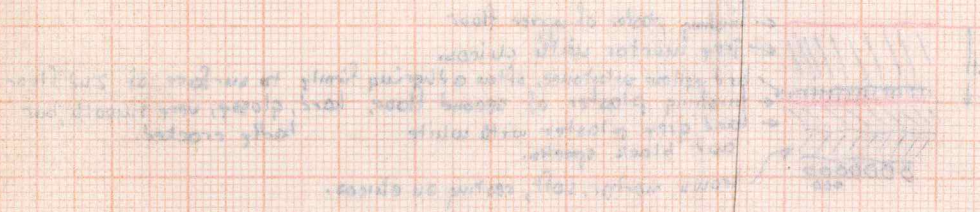


Handwritten notes in blue ink.

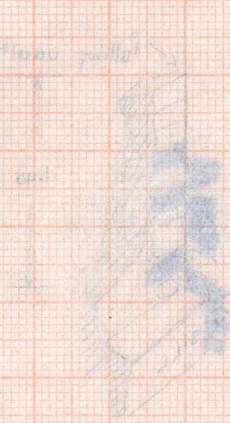
Handwritten notes in blue ink.



Handwritten notes in blue ink, possibly describing the diagram above.



Handwritten notes in blue ink.

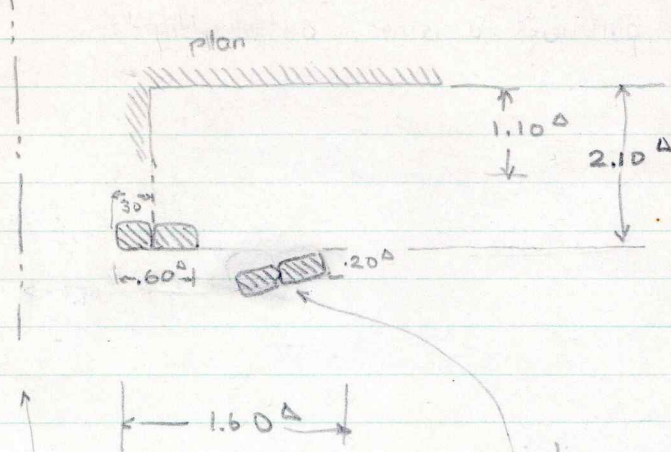


Handwritten notes in blue ink.

3/22/39

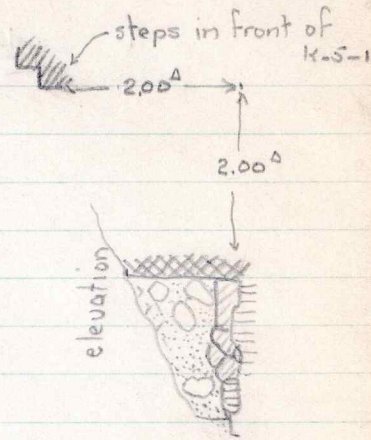
K-5-1st. stairway
on or about K-5-2 level,

← 1.70^Δ



center of bldg.

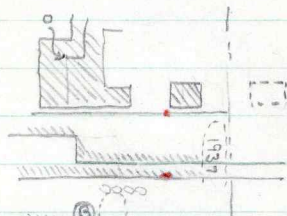
riding out or about same level,
and are going to fall.
Seems to be fill under these two stones.



H_i = +.66 above 0.

Ⓐ read down - 3.52
+ .66
h = -2.86

Ⓑ read down - 1.86
+ .66
h = -1.20
+.66



K-5-2? runs under terrace wall.
plinth .20 wide

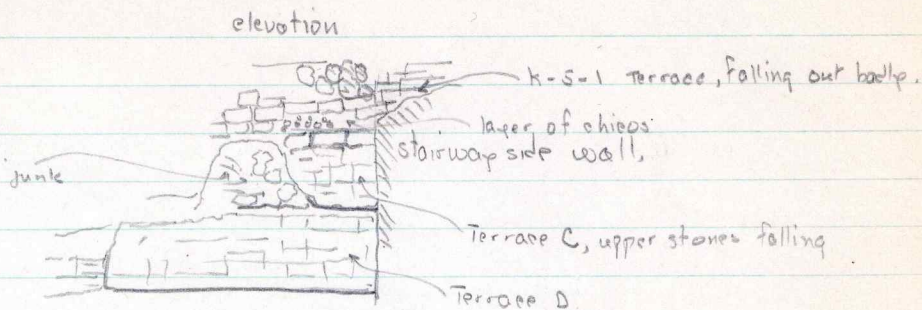
two building blocks, may
be in place, but separated
by small stones.

see
3/23 under
K-5-2.

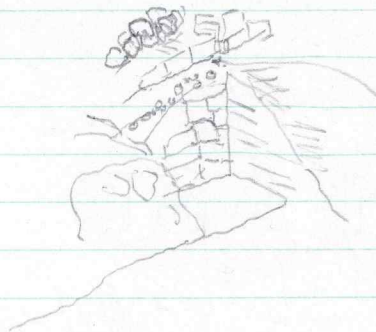
on a floor extending to K-5-2 toward building

1.00 (approx. step or plinth height fallen)
+.40 (same remark.)
2.35^Δ
1.30^Δ
1.05^Δ

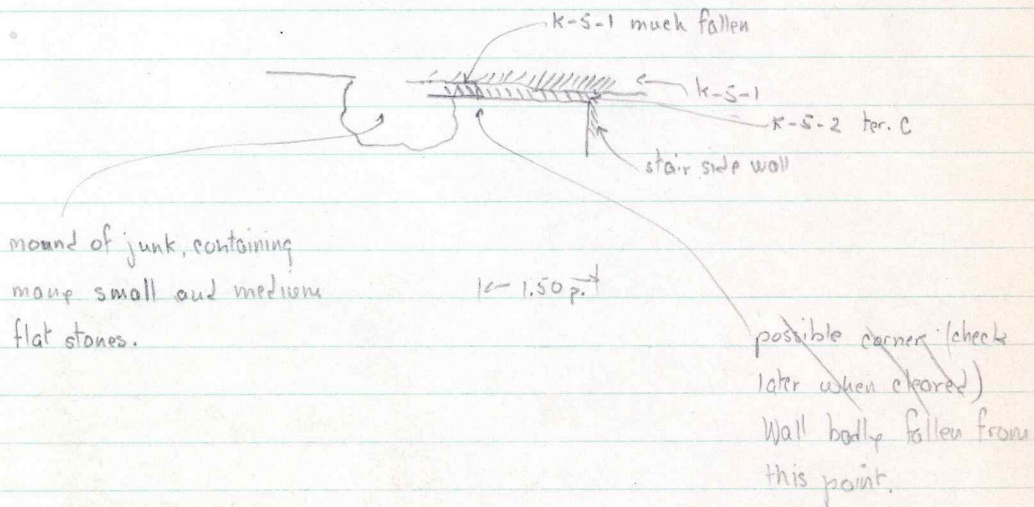
4/10/39. Right side, K-S-2 (1)
Front



same, rough iso

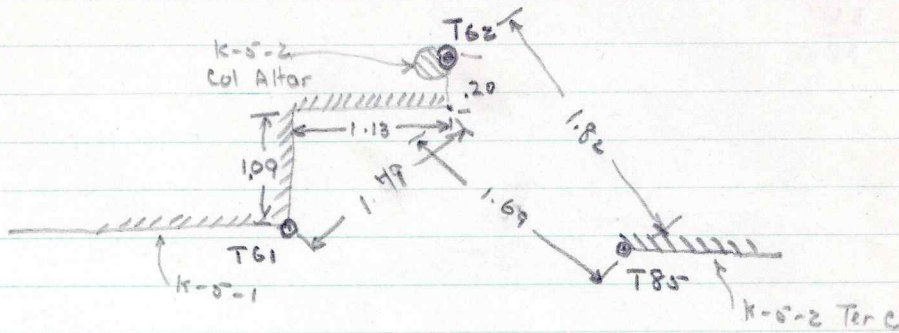


plan.

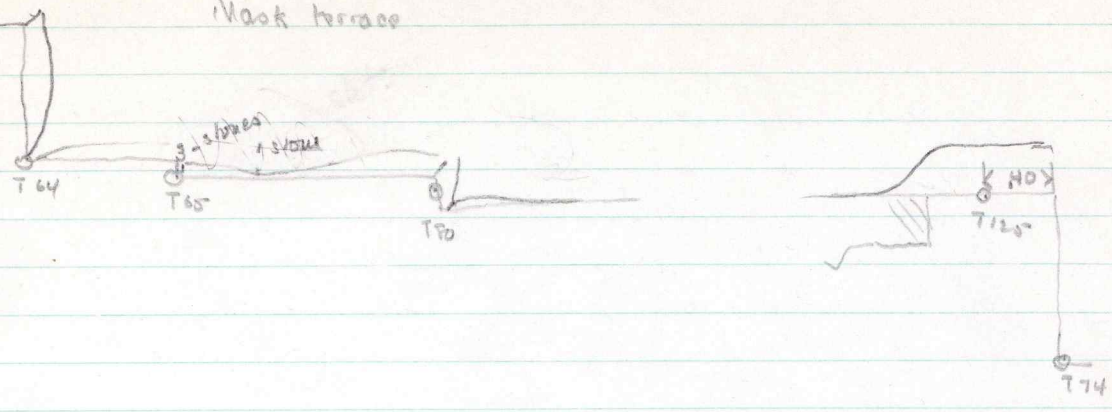


k-5-1 Front center.

Region near possible location of Intelz.



5-18 K-5-1 Terracing, Right side
Walk terrace



1st outset:
width: .46
slope: .07 in .80
falling out: .28 in .45
height of wall: .15

Batter at T 125, down .30 out: (top to hollow)
-05, +07, +01, +02, +08, -06
Height standing above level 28 = 1.82

2nd outset
width: .22
height of wall: .46

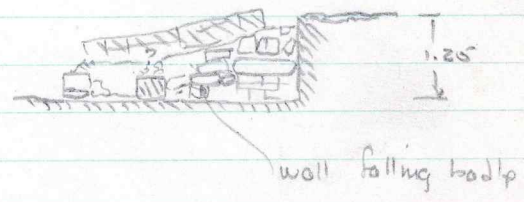
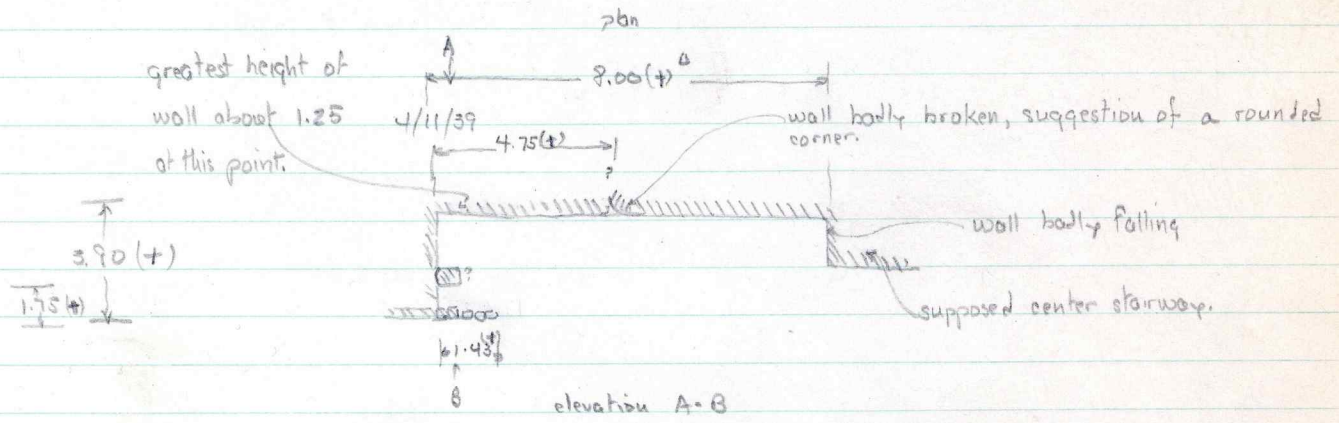
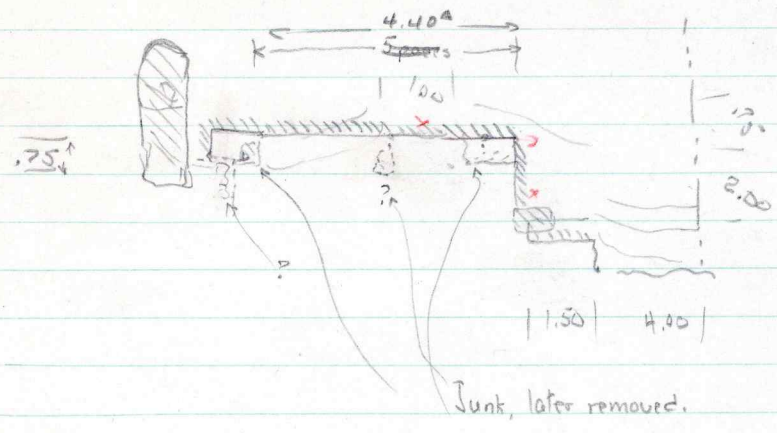
T. 64 standing one stone high, .20
Slope of T64-T65 .75 down, in .25, T. 64
wall standing 1.00 above level 27 at the first
outset.

T 65 standing 1.34 ^{above L. 25} or T. 80, sloping out .20
in 1.16

1.30
1.10
1.20
1.20

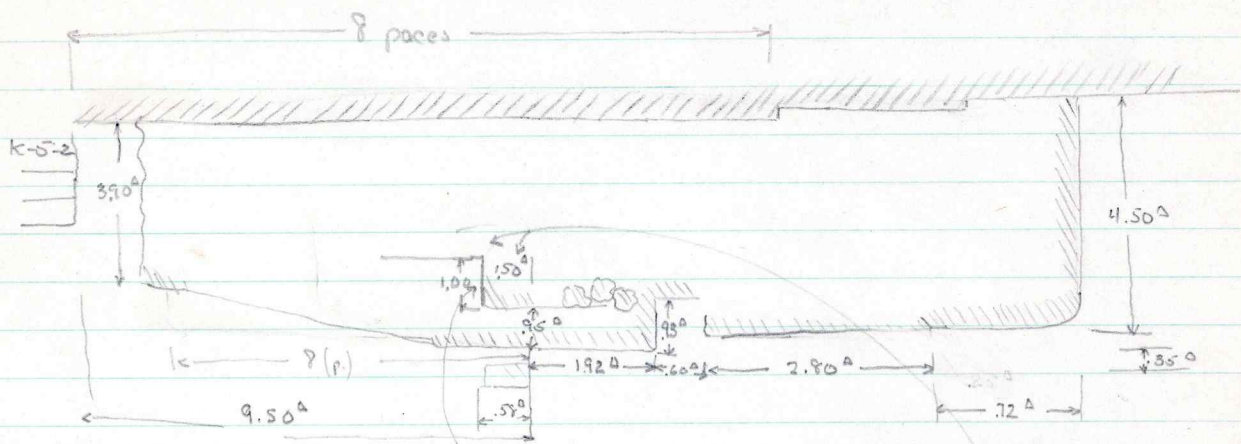
4/15/39. and following.
K-5-1 Stela platform, right side.

Right front.

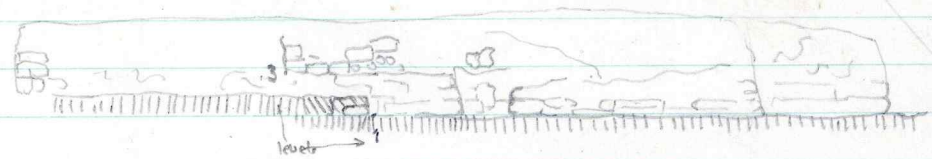


K-5-1 stela platform, left side

Plan

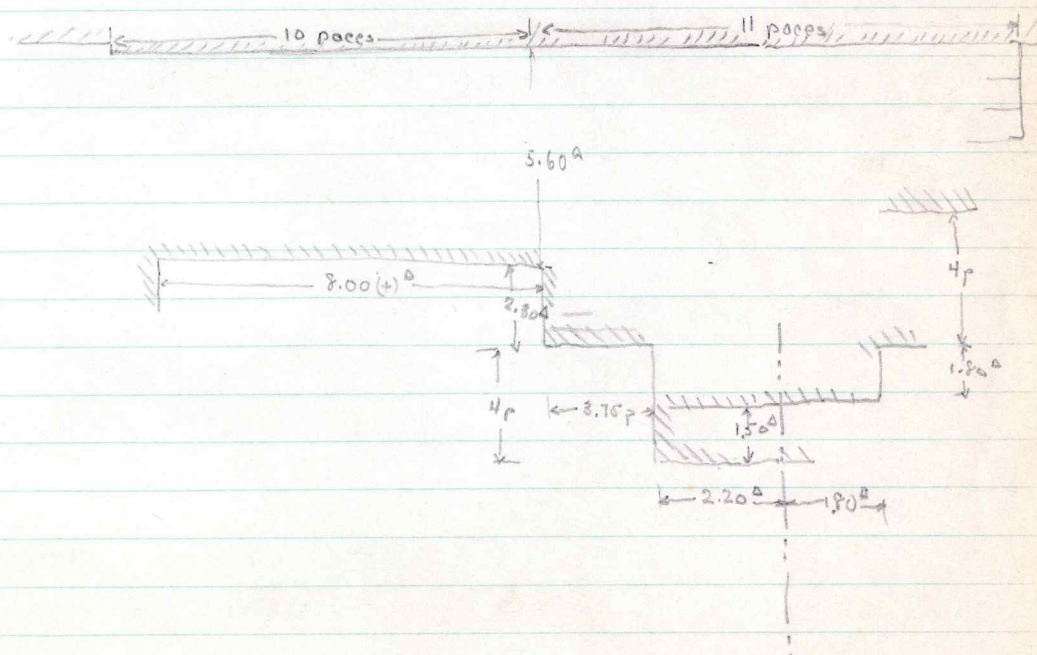


Wall seems to break off, pretty good stone stops here.
Elevation



Right side, smaller scale.

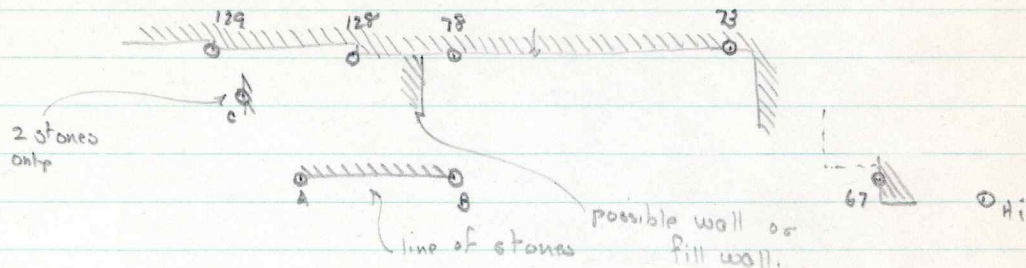
fill blocks. See K-5-2
terrace levels for height.



S-16

k-5-1

Stela 38 east (right stela)



$129 - A = 4.71 (+)$	$128 - A = 3.90 (+)$	$78 - A = 1.78 (+)$
$67 - B = 10.40 (+)$	$73 - B = 6.97 (+)$	$78 - B = 3.98 (+)$
$129 - C = 1.44 (+)$	$128 - C = 2.26 (+)$	$A - C = 3.20 (+)$
$A - B = 4.02 (+)$	$78 - 73 =$	$73 - 67 =$
$128 - 129 =$	$128 - 78 =$	$78 - 67 =$

hi above L.S. = 2.01

$$\begin{aligned}
 h. L.S. &= -13.86 \\
 &+ 2.01 \\
 &= -11.85
 \end{aligned}$$

$$\begin{aligned}
 \text{A not down} &= -1.12 \\
 &= -11.85 \\
 &= -12.97
 \end{aligned}$$

$$\begin{aligned}
 \text{B not down} &= -1.62 \\
 &= -11.85 \\
 &= -13.47
 \end{aligned}$$

$$\begin{aligned}
 \text{C not down} &= -0.615 \\
 &= -11.85 \\
 &= -12.565
 \end{aligned}$$

S-17-35 k-S-1

Stela terrace.

Wall, best batter, at 78° out .03, down 1.18

First outset, batter: out .05 down 1.00 Bottom stone and point displaced .08 to right.

K-S-1 block against stairway at left work: front edge .37 from T.71

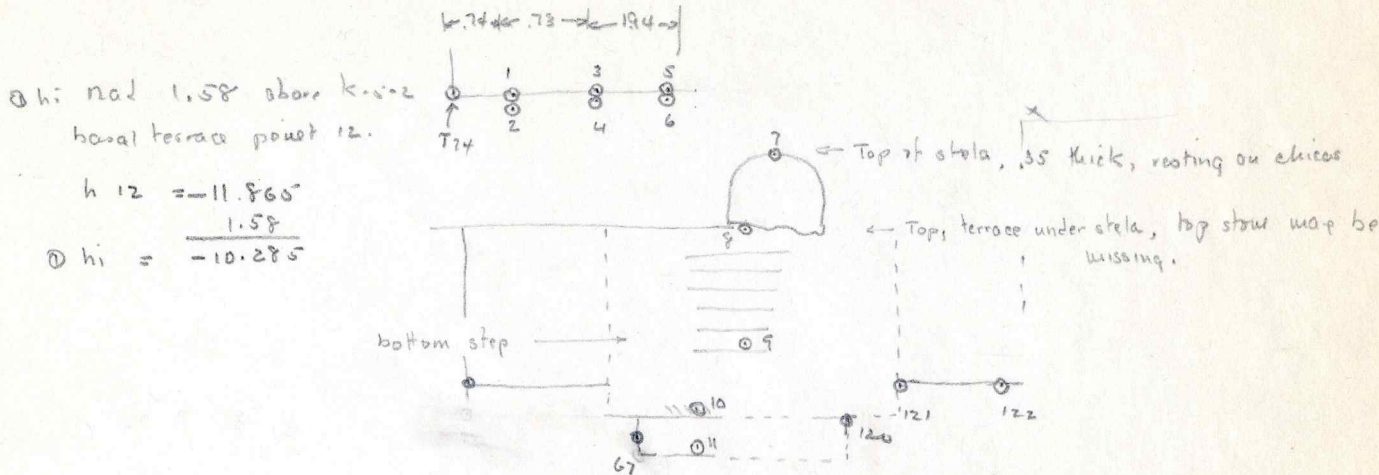
K-S-2 stairway side wall is .26 from T.71. At a point 1.30 from edge of K-S-2 Terrace G, block is .56 from stairway side-wall.

K-S-1 first outset left side, .50 deep.

Wall stands .14 at first outset, .20 at 2nd outset, Max. height .48 near 2nd outset.

K-5-1 - stairway and stela 39 (east) dist.

Re-leveling checks. For careful measurements see L.S.



hi: nad 1.58 above K-5-2
basal terrace point 12.

$$h_{12} = -11.865$$

$$\textcircled{D} h_i = \frac{1.58}{-10.285}$$

- 1 nad down - 0.97 from \textcircled{D} top of step

$$\begin{array}{r} -10.285 \\ -0.97 \\ \hline -11.255 \end{array}$$
- 2 nad down - 1.34 from \textcircled{D} bottom of step

$$\begin{array}{r} 10.285 \\ -1.34 \\ \hline -11.625 \end{array}$$
- 3 nad down - 1.01 from \textcircled{D} hp

$$\begin{array}{r} -10.285 \\ -1.01 \\ \hline -11.295 \end{array}$$
- 4 nad down - 1.34 from \textcircled{D} bottom

$$\begin{array}{r} 10.285 \\ -1.34 \\ \hline -11.625 \end{array}$$
- 5 nad down - 1.02 from \textcircled{D} top

$$\begin{array}{r} -10.285 \\ -1.02 \\ \hline -11.305 \end{array}$$
- 6 nad down - 1.37 from \textcircled{D} bottom

$$\begin{array}{r} -10.285 \\ -1.37 \\ \hline -11.655 \end{array}$$
- 7 nad down - 1.275 from \textcircled{D} top of stela

$$\begin{array}{r} -10.285 \\ -1.275 \\ \hline -11.560 \end{array}$$
- 8 nad down - 1.905 from \textcircled{D}

$$\begin{array}{r} -10.285 \\ -1.905 \\ \hline -12.190 \end{array}$$
- 9 nad down - 3.34 from \textcircled{D}
- 10 nad down - 2.895 from \textcircled{D}
- 11 nad down - 3.58 from \textcircled{D}
- 67 nad down - 3.72 from \textcircled{D} lowest stone.

$$\begin{array}{r} 10.285 \\ -3.72 \\ \hline 14.005 \end{array}$$
- 121 nad down - 3.90 from \textcircled{D} lowest stone
- 122 nad down - 3.825 from \textcircled{D} lowest stone

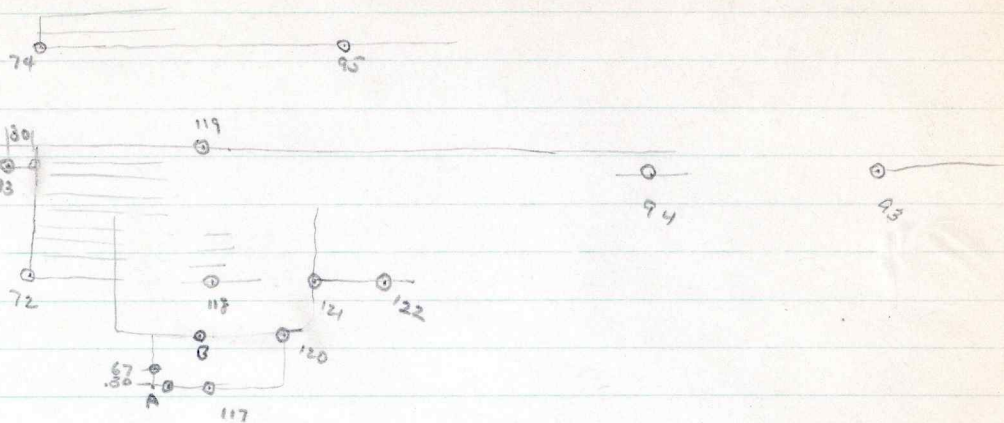
120 nad down - 3.905 from \textcircled{D} bottom stone.

$$\begin{array}{r} -10.285 \\ -3.905 \\ \hline -14.190 \end{array}$$

same points as other leveling

$$\begin{array}{r} -3.825 \\ -10.285 \\ \hline -14.110 \end{array}$$

K-5-1 shld dist center sklg. See L.S. 7/26-5/9



Tape and plumb.

$$67 - 117 = 2.56 (+)$$

$$A - 117 = 1.82 (+)$$

$$B - 117 = 1.73 (+)$$

$$120 - 121 = 1.84 (+)$$

$$118 - A = 3.49 (+)$$

$$120 - B = 2.26 (-)$$

$$121 - 122 = .98 (+)$$

$$67 - A = .76 (+)$$

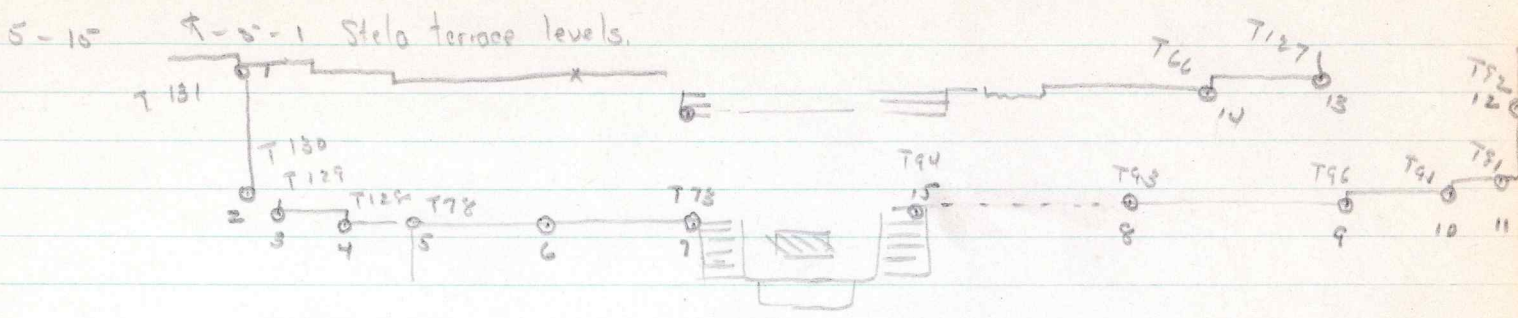
$$67 - B = 2.14 (+)$$

$$120 - 94 = 3.04 (+)$$

$$118 - 120 = 2.58 (+)$$

$$118 - 119 = 2.37 (+)$$

$$120 - 93 = 6.43 (+)$$



using point closest.
 ① hi above L.26 point on top of lowest k-5-1 main stairway step: 1.015

- 1 nal down = 1.21 from ①

$$\begin{array}{r} -10.01 \\ -1.52 \\ \hline \end{array}$$
- 2 nal down = 1.74 from ①

$$\begin{array}{r} -10.31 \\ -12.05 \\ \hline \end{array}$$
- 3 nal down = 2.09 from ①

$$\begin{array}{r} -10.31 \\ -12.40 \\ \hline \end{array}$$
- 4 nal down = 2.43 from ①

$$\begin{array}{r} -10.31 \\ -12.74 \\ \hline \end{array}$$
- 5 nal down = 2.71 from ①

$$\begin{array}{r} -10.31 \\ -13.02 \\ \hline \end{array}$$
- 6 nal down = 2.92 from ①

$$\begin{array}{r} -10.31 \\ -13.23 \\ \hline \end{array}$$
- 7 nal down = 3.215 from ①

$$\begin{array}{r} -10.305 \\ -13.520 \\ \hline \end{array}$$
- 8 nal down = 3.935 from ①

$$\begin{array}{r} -10.305 \\ -14.240 \\ \hline \end{array}$$
- 9 nal down = 1.875 from ②

$$\begin{array}{r} -12.54 \\ -14.415 \\ \hline \end{array}$$
- 10 nal down = 2.05 from ②

$$\begin{array}{r} -12.54 \\ -14.59 \\ \hline \end{array}$$
- 11 nal down = 2.27 from ②

$$\begin{array}{r} -12.54 \\ -14.81 \\ \hline \end{array}$$
- 12 nal down = 2.35 from ③

$$\begin{array}{r} -12.54 \\ -14.89 \\ \hline \end{array}$$
- 13 nal down = 1.585 from ③

$$\begin{array}{r} -10.55 \\ -12.135 \\ \hline \end{array}$$
- 14 nal down = 1.43 from ③

$$\begin{array}{r} -10.55 \\ -11.98 \\ \hline \end{array}$$
- 15 nal down = 3.79 from ①

$$\begin{array}{r} -10.31 \\ -14.10 \\ \hline \end{array}$$

point L.26 -0.76
 T.71 -1.56 } from ①

② hi 0.815 above top of lowest k-5-2 step.
 ③ hi 1.315 above T.71 (?)

Wall stands - of:
 16 = .36
 8 = .10
 9 = .10
 (but .40 back from 9 = .50
 10 = hooker.

①

$$\begin{array}{r} h L.26 = -11.07 \\ + .76 \\ \hline \text{① hi} = -10.31 \\ h T.71 = -11.865 \\ + 1.56 \\ \hline \text{① hi} = -10.305 \end{array}$$

②

$$\begin{array}{r} \text{Lowest k-5-2 step } h = -13.305 \\ + 0.815 \\ \hline \text{② h} = -12.540 \end{array}$$

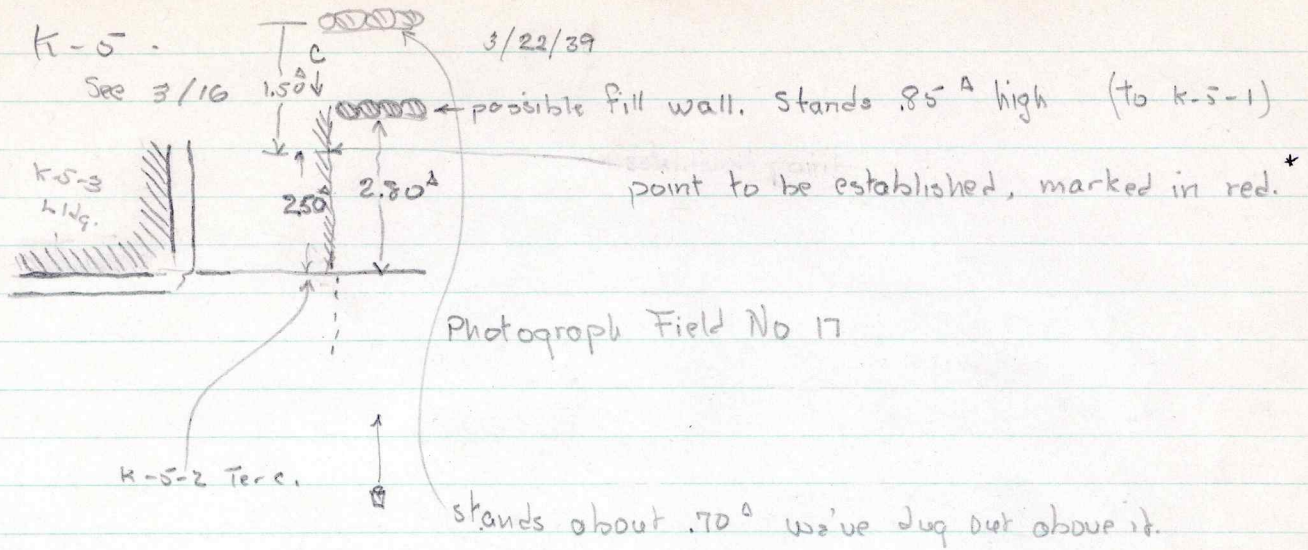
③

$$\begin{array}{r} h T.71 = -11.865 \\ + 1.515 \\ \hline \text{③ h} = -10.350 \end{array}$$

11 = .46
 12 = 1.10
 7 = 1.08
 6 = .58
 5 = 1.23
 (possible top)
 4 = 1.28
 3 = .28
 2 = hooker

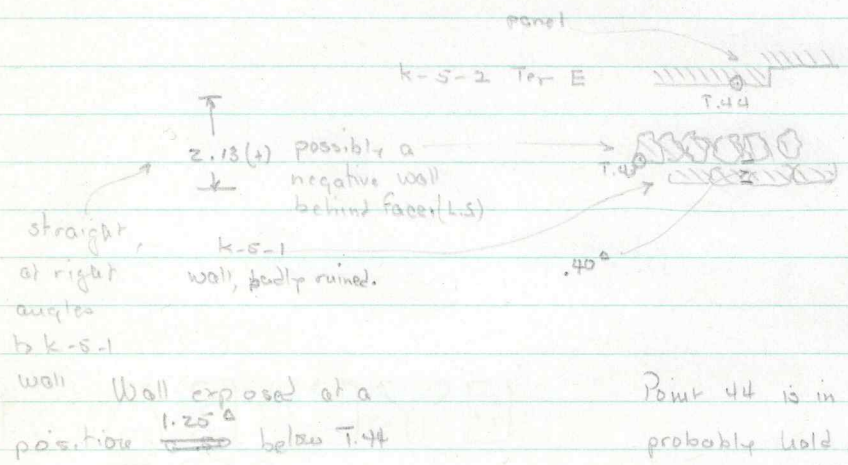
Depth of right outside:
 1st: .16
 2nd: .18
 Batter of 12 out .10 down 70

do not check with levels taken on 5th } These levels were not



* Point never established, but appears to be 2.50^A from T. 20

Additional walls in Pancho's rear trench 6/8/87

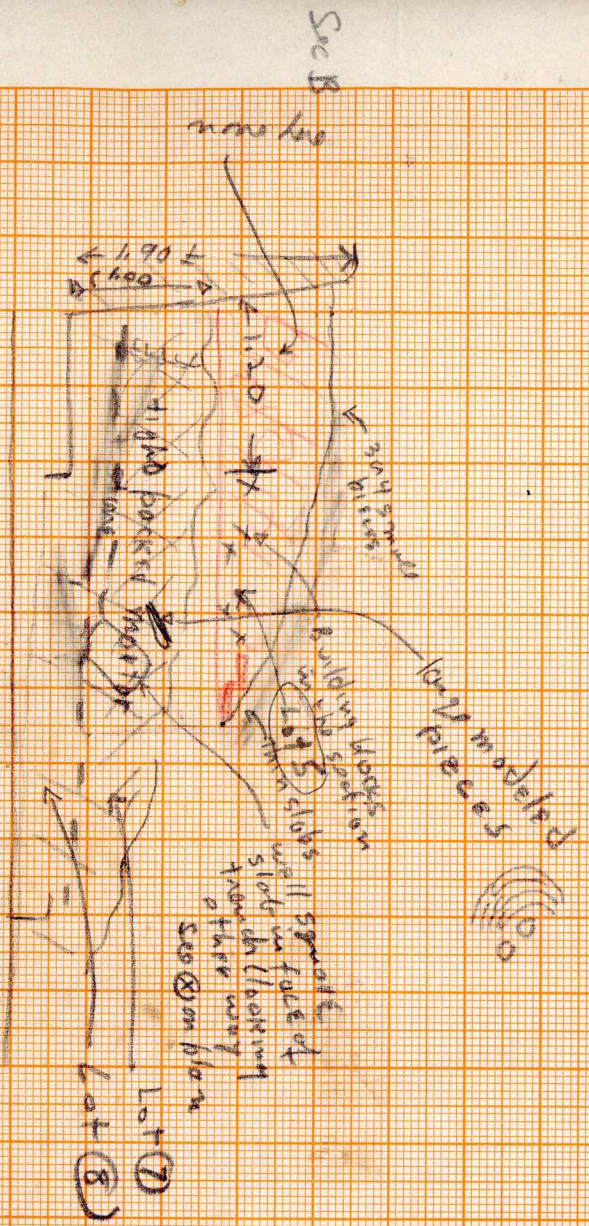
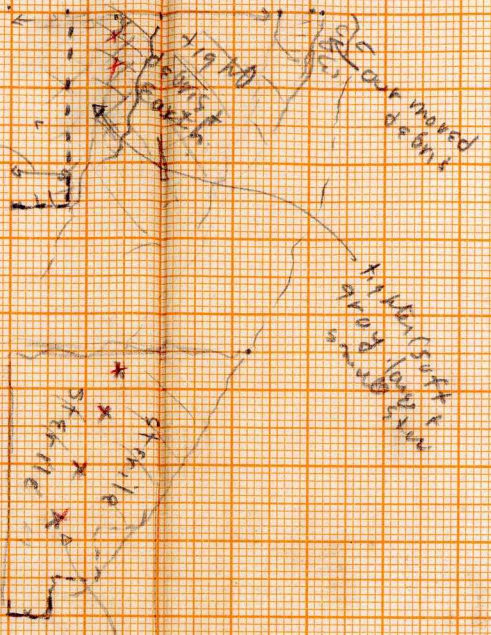
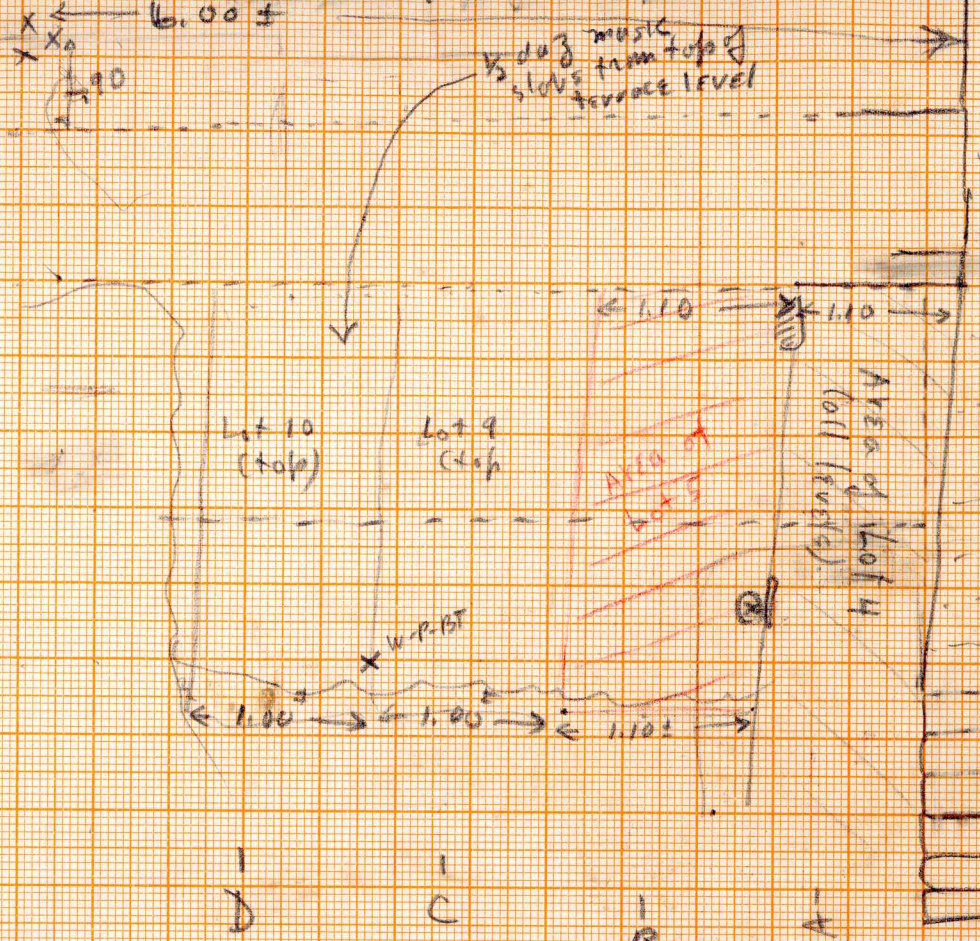


Point 44 is in doubt. But these measurements probably hold from the inset portion of the panel (for correct position from inset of panel add .31 to these measurements)

3'
2.13
.03
2.10

This is a plain terrace wall, probably of the second terrace from the bottom, of k-s-1 in the left rear, uncovered lot in the season.

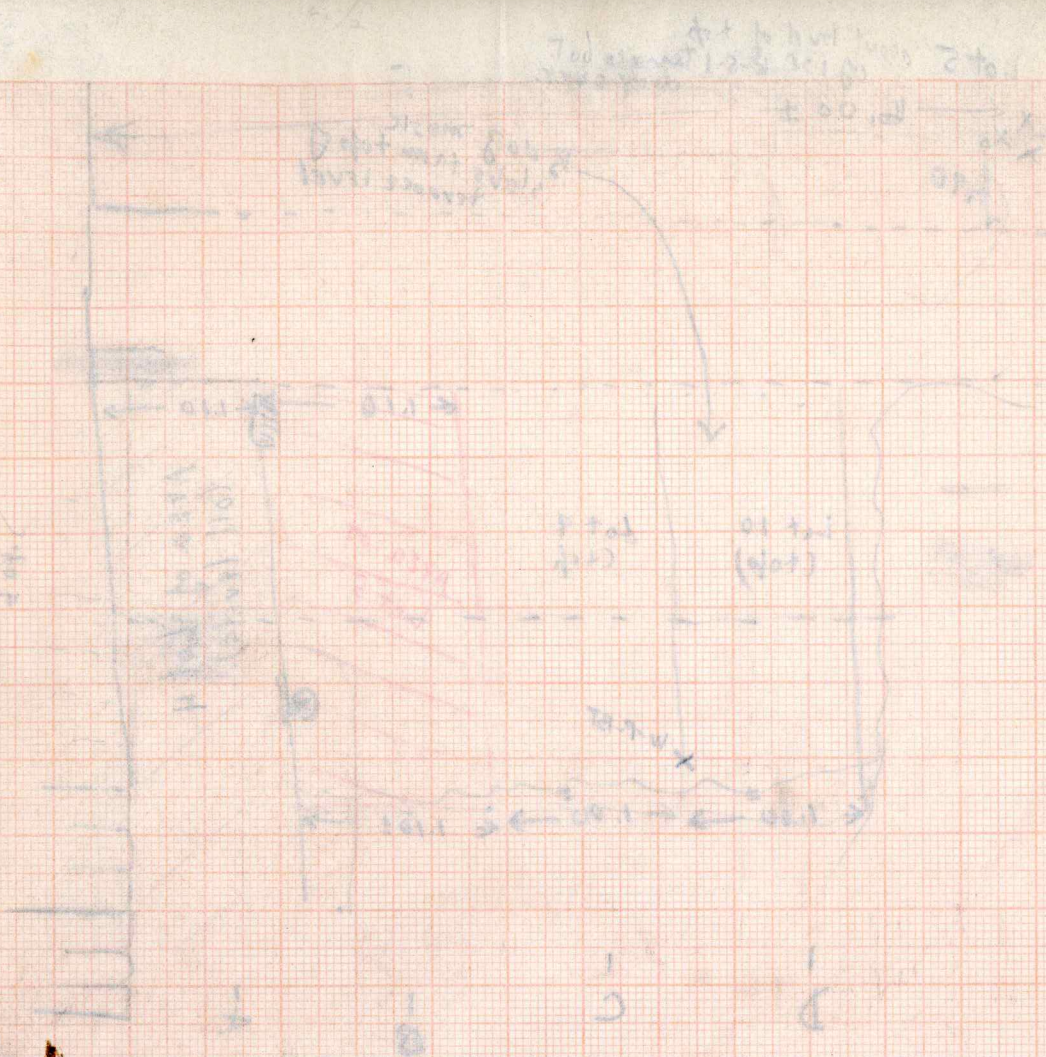
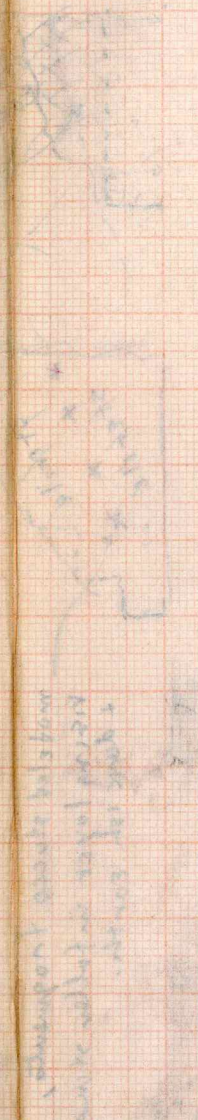
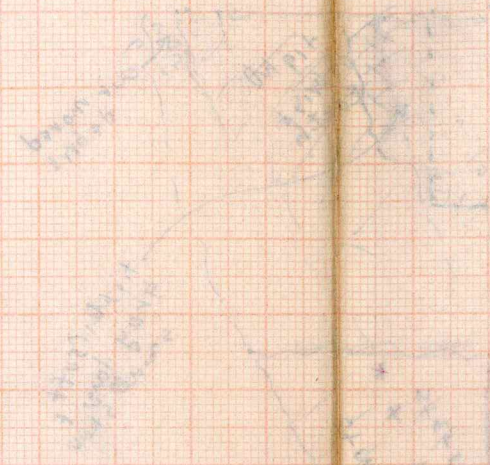
Lot 5 about level of top of 1st R.S. - 1 terrace but way over.



model sheet fragments, using layer in full stone + darkish earth.



Area

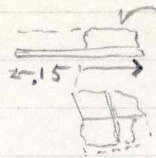


W-5-BL

Special Notes on Stucco Fragments, on shot.

Lot 4

Thin slot:



cross hatching
 square about .025 on side
 made .01 thick, 2 lines
 go in about .004

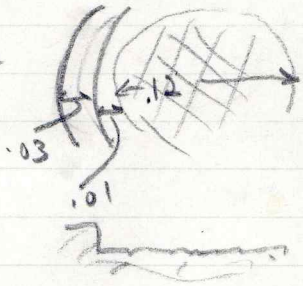
Discarded about 1/2 doz formless pieces.

will probably break up.

Lot 5 - upper level of area only, see section.

- 8 or less thin slots, some with yellow marker on faces
- modeled fragments.
- 1 sowed stone embedded in ^{same yellow} marker.

Lot 6 -



+ large "ball"



Small quantity flav. foid plaster - probably wall plaster (discarded)

Lot 7



feathers + balls. B.g slot with flav stucco + lean out at end tall from face of cut (plate) - probably plate over bird eye.



irregular in vert line - i.e. behind the frame;

.30

Lot 8



this piece was about .50 above tarmac floor; about .60 forward of st. K.C. 2nd step up, rt (left as you face it) of cut B.

Discarded 4 chunks, formless, two fairly large.

W-5-B-L

Lot 9 top cut Sect C
about 20

L 10 top cut Sect D.
(About 20 med to small jawless pieces than out.)

Lot 11 - face down on floor level, Cut C. 2.50 from of mosk. right of center.
Large sunny fragments.

Lot 12 - .20 to .30 above floor - Cut P.; from 2.00 out, following creek
toward mosk 1/2 meter or so back.

Lot 13 - Forward of Lot 12 (shown in position in photo 185).
This is ~~above~~ directly above Lot 11.
Lot 12 & 13 in more or less continuous sloping up slightly toward mosk.
Black earth not reaching.

Lot 14 - Cut C. Lower half

Lot 15 cut P. Lower half.

Lot 16 Foreward and below right supra-orbital stone

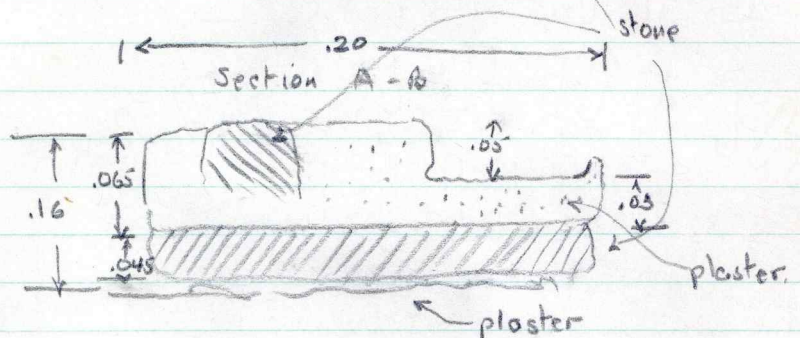
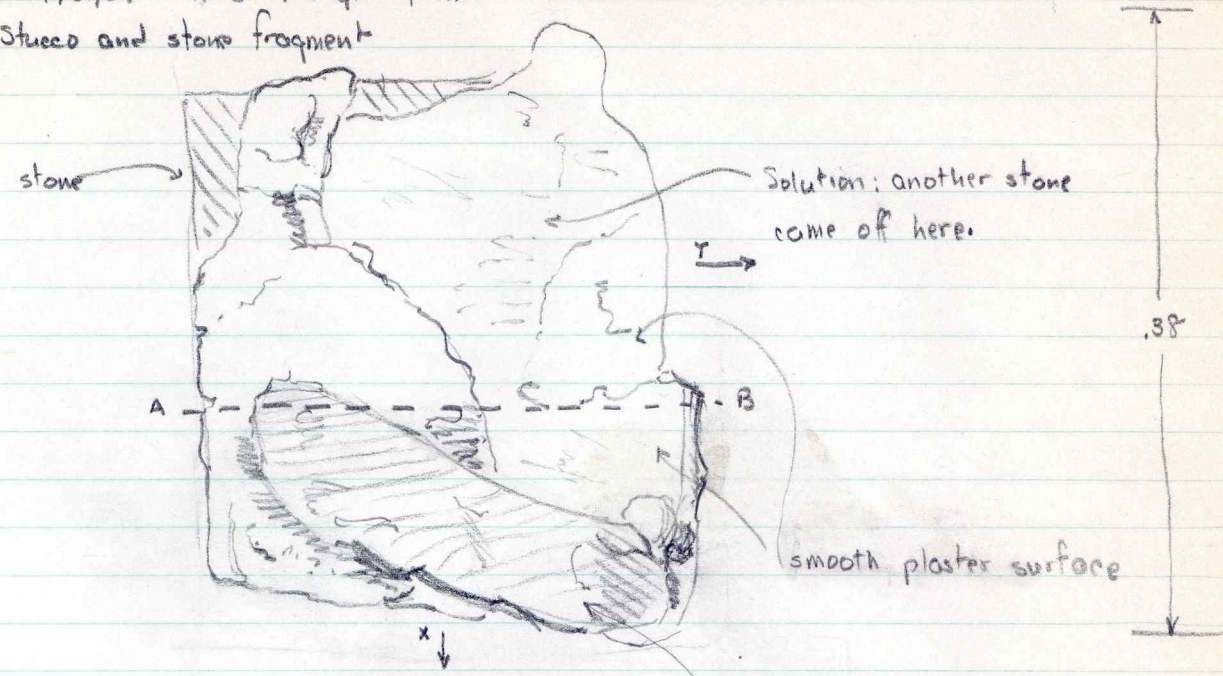
Lot 17 Beneath supra-orbital stone.

Lot 18 Further toward pyramid than Lot 17, on same level ^{of} and below supra orbital stone.

Lot 19 Right side of mosk, from fill to 50 cm in front of fill

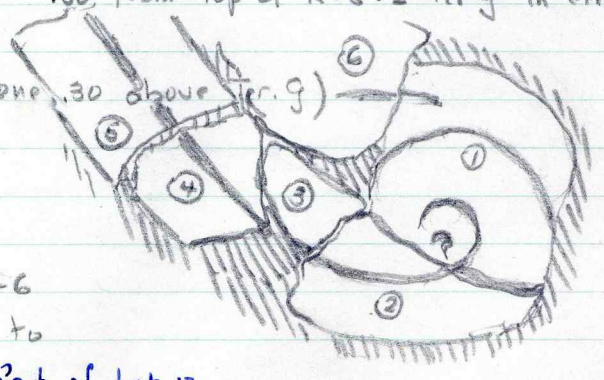
Lot 20 On Terrace F, slightly inside first outset.

K-S-1 4/21/39 K-S-1 right front
Stucco and stone fragment



Position: about 3.50 from K-S-1 stair side wall in direction of arrow x
about .30 from top of K-S-2 Ter 9 in direction of arrow y

(Below this stone .30 above Ter. 9)

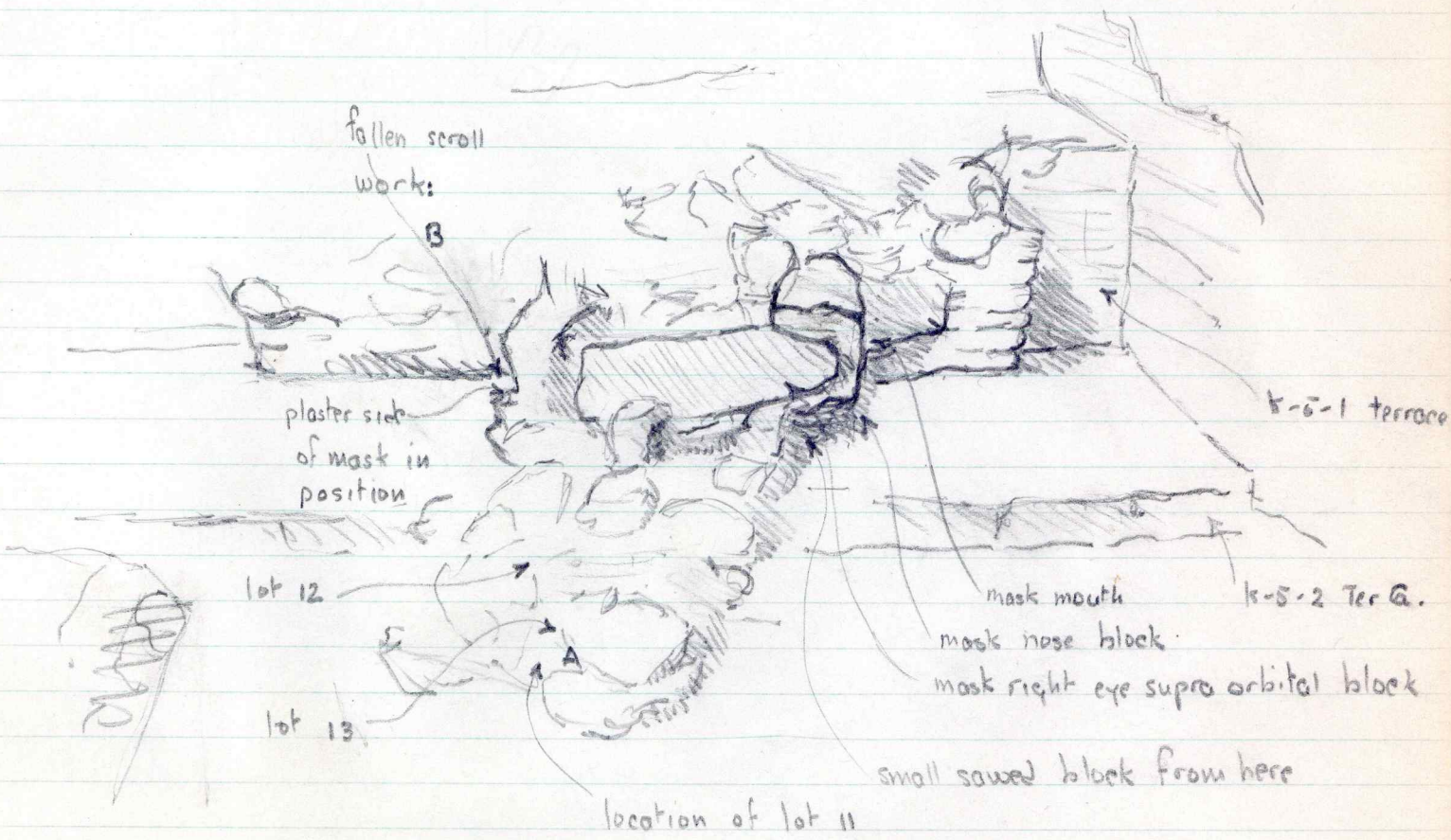
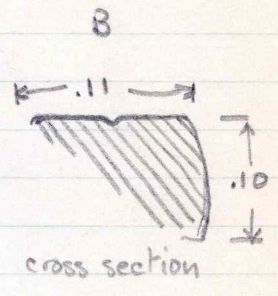
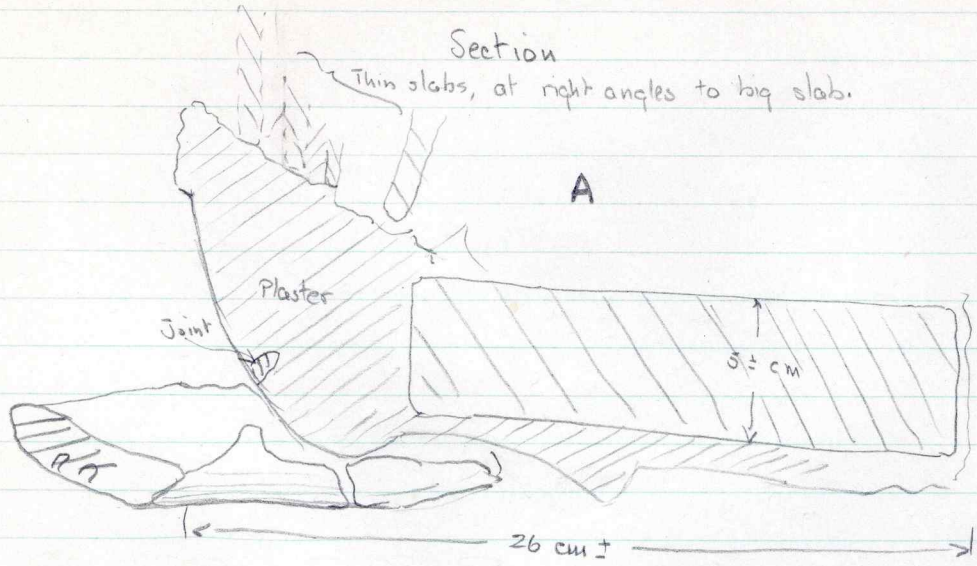


6 pieces, 5-6
or larger, to
Part of Lot 12

4/21/37.

k-5-1

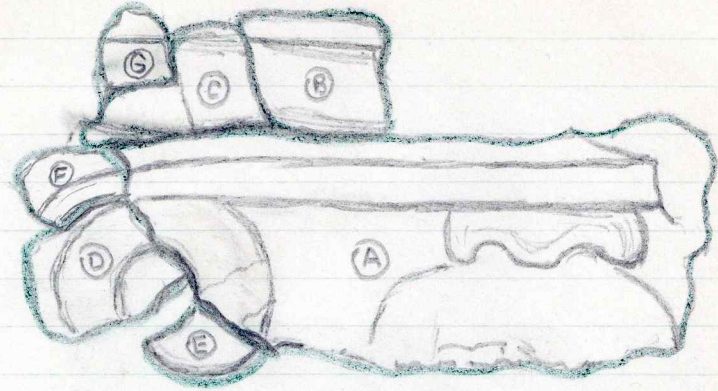
Mask Material, fallen.



K-5-1

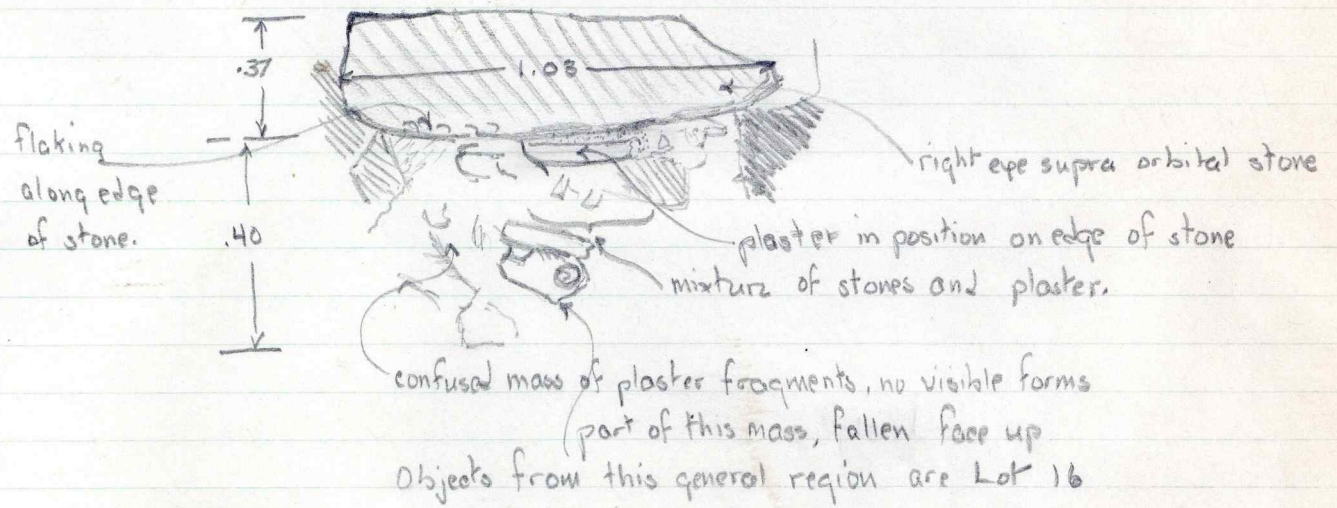
Fragments of stucco mask, right side K-5-1

Lot 11

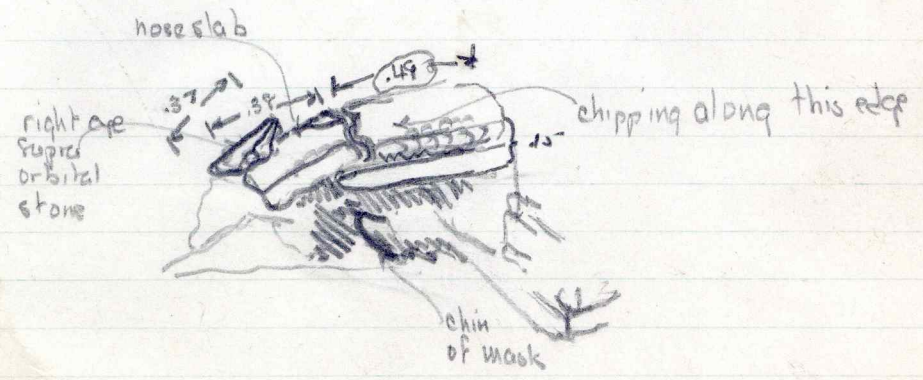


Sent to Guatemala.

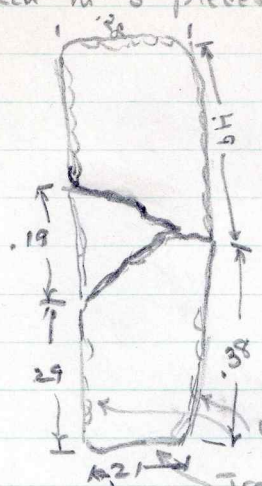
Partly in position:



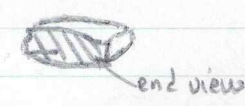
center of mask, side view



K-5-1 upper nose block, right mask.
Block broken in 3 pieces

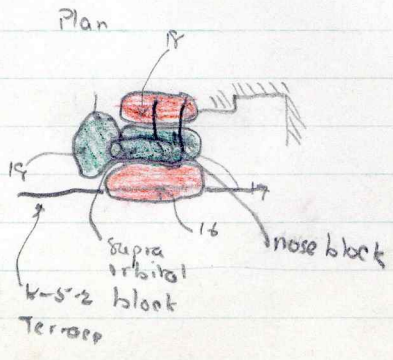
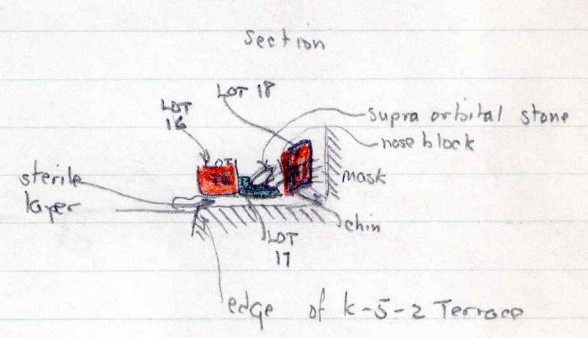


chipped along both edges
Traces of plaster on under side of front, no focus

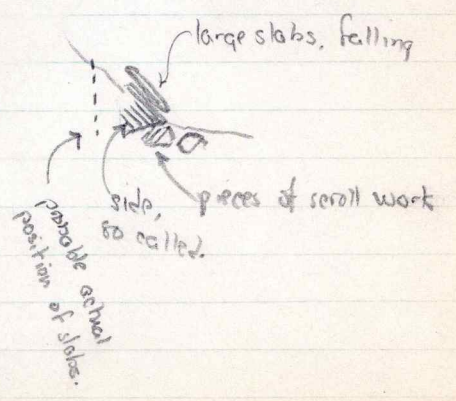


Location of lots of stucco material from right mask.
Cut in line with nose stone

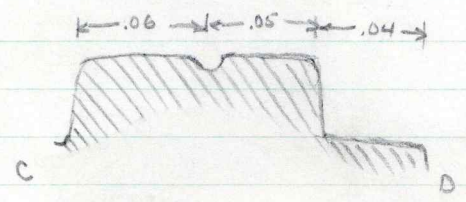
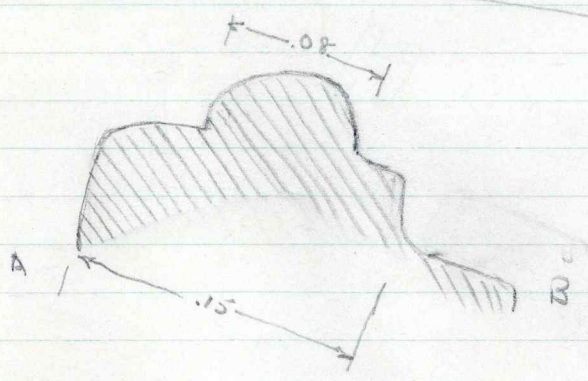
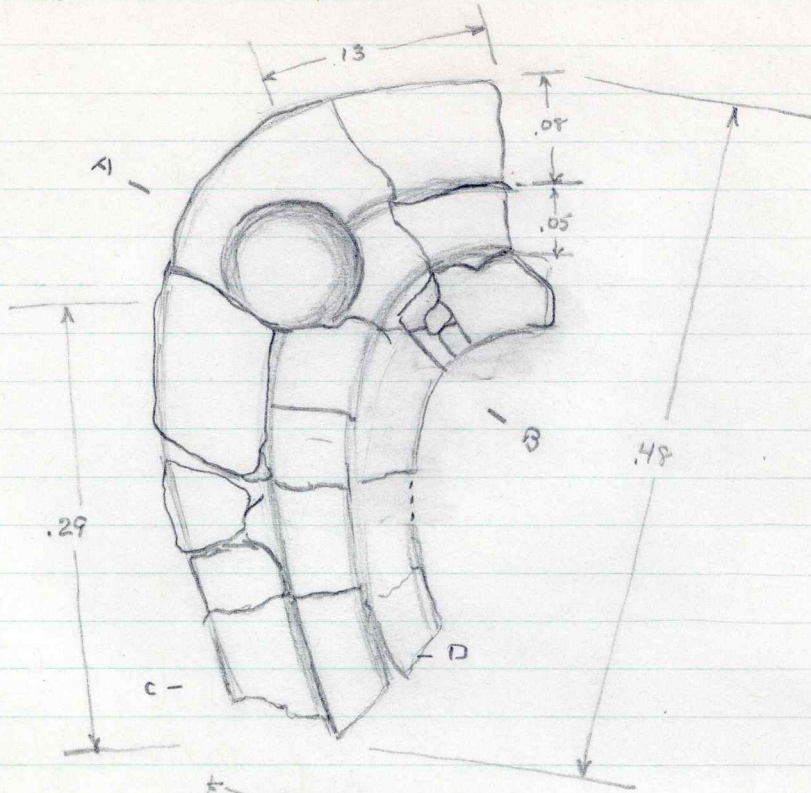
Sterile layer, mostly dark earth and
small stones, passes under 16 and
17.



19- Note: sketches made by L.S. of side
of mask are true, except that side was
not in position but badly fallen forward

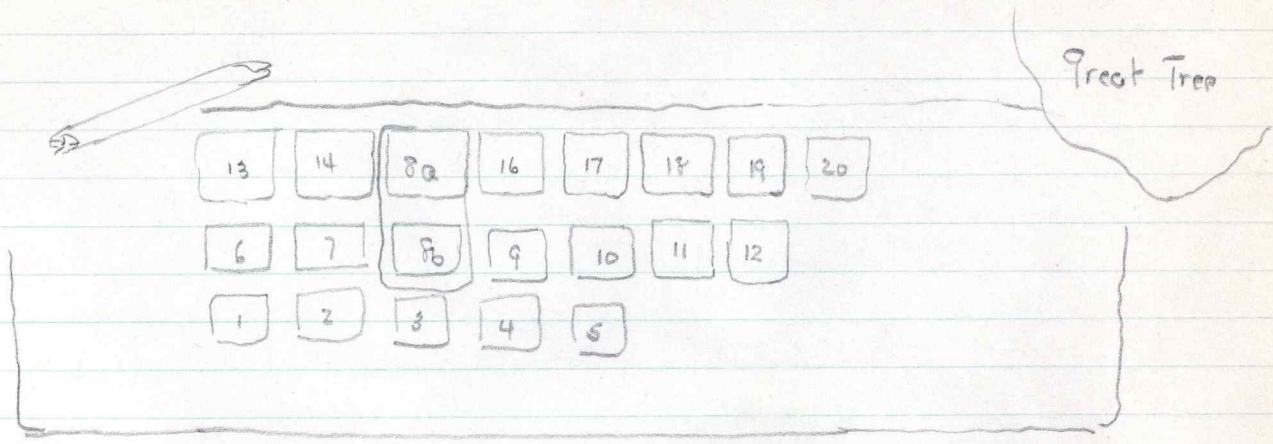


k-5-1 Mask. Fallen scroll work

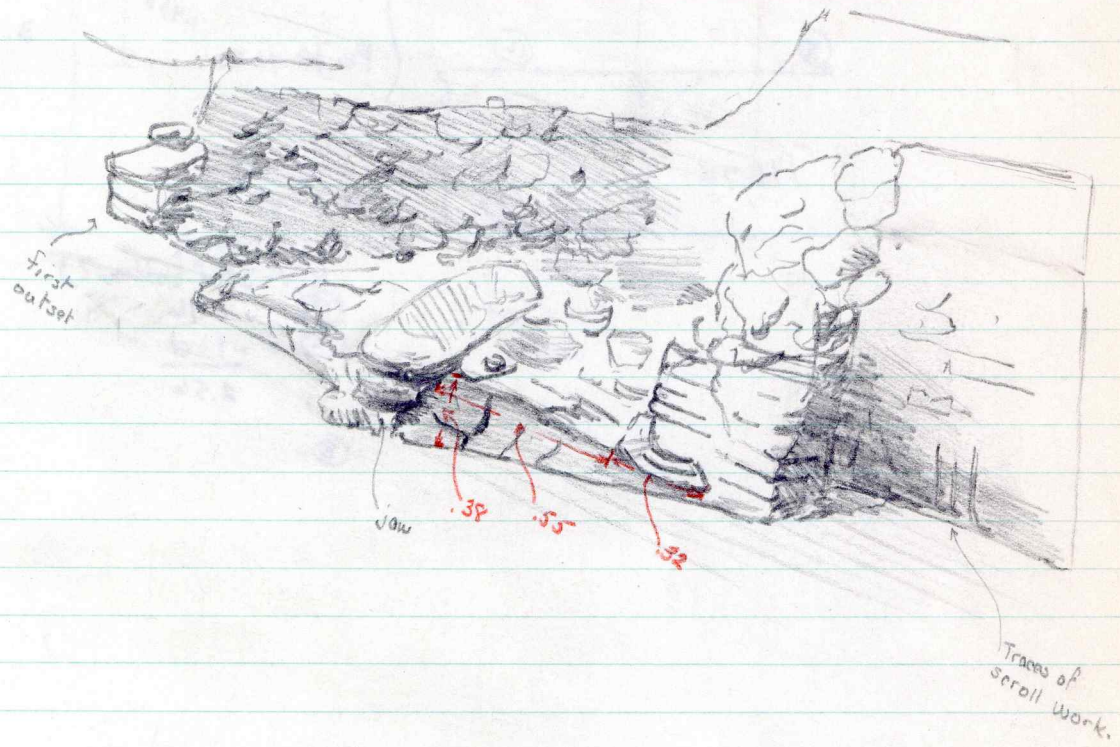


k-5-1 Mask Material

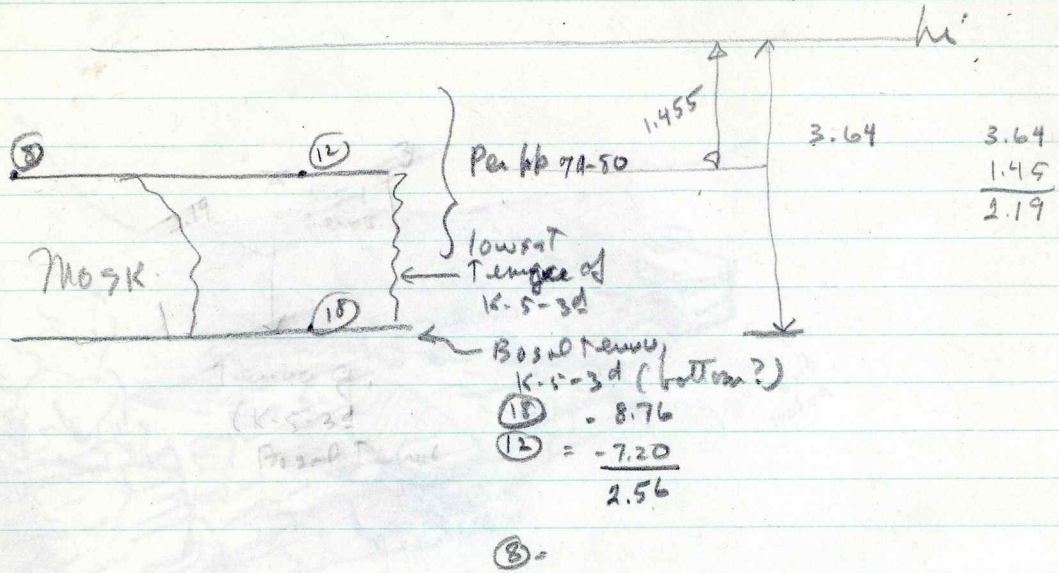
Layout of lots on ball court side k-6-b



S-15 K-5-1 Lowest Right Mask.



LS notes on 90d (may p 58, offroad)



k-5-1 5/25/39

Left masks. Levels.

① hi from k-5-2 Ter. g. Level 12, read 3.64

$$\begin{array}{r} h\ 12 = -11.865 \\ + 3.64 \\ \hline 8.225 \end{array}$$

1 Lower left mask, top of scroll on right of mouth. read down -2.68

$$\begin{array}{r} -18.225 \\ -10.905 \\ \hline \end{array}$$

2 Transit point 5, top stone left corner of mask read down -2.41

$$\begin{array}{r} -8.225 \\ -10.635 \\ \hline \end{array}$$

3 Top of lower k-5-1 Terrace, to right of lower mask read down -1.455

$$\begin{array}{r} -8.225 \\ -9.680 \\ \hline \end{array}$$

4 Top right standing corner of upper mask. read down -0.915

$$\begin{array}{r} -8.225 \\ -9.140 \\ \hline \end{array}$$

5 Nose stone of upper mask read down -0.70

$$\begin{array}{r} -8.225 \\ -8.925 \\ \hline \end{array}$$

6 Top left standing corner read down -1.36

$$\begin{array}{r} -8.225 \\ -9.585 \\ \hline \end{array}$$

Right mask and terrace.

② hi from k-5-2 Ter. g level 24, read 2.925

$$\begin{array}{r} h\ 24 = -11.125 \\ + 2.925 \\ \hline h\ 1 = -8.200 \end{array}$$

7 Lower mask, right corner top standing stone read down -2.785

$$\begin{array}{r} -8.20 \\ -10.985 \\ \hline \end{array}$$

8 Nose block, read down -2.455

$$\begin{array}{r} -8.20 \\ -10.655 \\ \hline \end{array}$$

9 Topmost standing stone left corner read down -1.895

$$\begin{array}{r} -8.20 \\ -10.095 \\ \hline \end{array}$$

10 Point on 2nd terrace wall, above bottom. read -0.84

$$\begin{array}{r} -8.20 \\ -9.04 \\ \hline \end{array}$$

Check levels on k-5-1 left terraceing

③ hi from k-5-2 Ter. g level 12 read 1.26

$$\begin{array}{r} -11.865 \\ + 1.26 \\ \hline -10.605 \end{array}$$

First outset read down -1.45

$$\begin{array}{r} 10.605 \\ -12.055 \\ \hline \end{array}$$

2nd outset read down -1.635

$$\begin{array}{r} 10.605 \\ -12.240 \\ \hline \end{array}$$

