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@ 5 cu. yds. per truck load, 1455 cu. yds. = 291 trucks.

dry sand weight  $\approx 100^{\#}$  per cu. ft.

39,262.55 cu. ft. =  $\approx 3,926,255$  lbs. or  $\approx 1963$  T.

with above-bench dia. of 57' & depth of 10' ( $C = \pi d$ ) main wall would consist of 1790 cu. ft. of s.s.

dry s.s. weighs  $\approx 150^{\#}$  per cu. ft. hence 1790 cu. ft. of s.s. would weigh  $\approx 268,500^{\#}$  or  $\approx 134$  T.

West Court - (W. side - 19) - 36

In SE cor. R. 329 masonry stands  
7'10" above floor; N. wall ceiling poles  
@ 7'3".

Test pit E. from R. 329 to Kiva 67 (wrongly placed on Hyde plan) & N. of the double <sup>(see at 29)</sup> fire-pit, shows refuse fr. razed walls, blown sand, & debris of occupation including bits of charcoal, clay pellets, potsherds & occasional s.s. chips continuing to depth of 6'7". In this accumulation, successive occupancy levels appear @ depths of 14", 2'5"; 3'2"; 5'2"; & 6'7". On the 14" level, a rectangular fireplace, 3'6" N-S. x 26", lined chiefly with metate frags. & filled with wood ash & charcoal.

3rd type  
Outer E wall of R. 329 is early & late, rebuilt: lower part is 1st type stonework; upper <sup>2nd type</sup> is mixt 2nd & 3rd — apparently rebuilt with salvaged 2nd type materials when Ct. surface was @ 3'2" level. At that depth several decayed poles 2-3" dia. protrude 2 1/2 - 3 ft. from W. wall & are overlain by cedar splints & bark. (last reported fr. R. 328) Beneath these poles, lying N-S, broken & decayed, are (R. 329 ceiling poles lie N-S)

West Court - (W. side - 20) - 37

other poles together with a mass of s.s. spalls & adobe frags. fr. razed walls.

Also underlying the poles on 3' level, & apparently razed @ that height, is a masonry-lined vent. shaft, 12" dia., that rises fr. R. 328(?) close in the R. 328-R. 349 corner but only to the poles protruding below the rebuilt upper E. wall of R. 328.

An apparent replacement for the above, razed shaft rises to last Ct. level 3' fr. R. 328 & c 18" fr. R. 349 as an oval shaft 12" E-W x 8", plastered inside. Its walls are c 6" th.

On the 6'7" level are 9 postholes, 3-5" dia. x c 8" d. & irregularly spaced. Above these, on the 5'2" level are 5-6" of decayed vegetal matter & several more decayed posts of varied dia. (1 was 8" dia.) 3 of them in line & paralleling W. wall @ dist. of 14". Also, c 9" fr. the wall, a clay-lined hearth 28" dia. x 10" d., lightly burned but filled with ashy sand.

Possible arbor?  
or orig. E wall of R. 329?

copy of old 9      20. Ct Tr.      OB(?) kiva      Sub Ct kiva

From inner face of <sup>sub-ct kiva</sup> ~~main~~ wall is solid masonry to what appears square surrounding kiva. This is fairly rough & contains much adobe; its S. face is 108'4" fr. R. 136. On W. side of trench short sect. of faced masonry 10" h. extends into bank 26" above kiva bench & 22" N. of main wall face. Fact that all facing stones were salvaged ---

~~E-W wall N. of kiva is 23" th.; N. side well made, extending down 8'8" below Ct. level @ 109' fr. R. 136 & rising to within 2'1/2' of Ct.~~

copy of old 10

Occupying W 1/2 of trench & built against N face of 8'8" wall is 2<sup>nd</sup> E-W wall 23" th & broken @ E end. It apparently encloses middle of kiva curve; is less carefully finished on N face than 1<sup>st</sup>; has 12" founda. but rests 6" higher than 1<sup>st</sup>. Base of 1<sup>st</sup> E-W wall rests 2' above floor of a 2<sup>nd</sup> partially razed & earlier <sup>OB(?)</sup> kiva.

copy ed 10

N. arc of this ~~2<sup>nd</sup>~~ <sup>or 1<sup>st</sup> (?)</sup> kiva --- has diff. angle than  
1<sup>st</sup> On E side of tr. 2<sup>nd</sup> kiva <sup>(bench?)</sup> curve is 13'10" fr.  
N. face of 1<sup>st</sup> E-W wall [124' pr. 136]; on W. side,  
curve is 17'2" (~~15'3"~~) fr. N face of 1<sup>st</sup> [127'6" pr. 136]  
Kiva bench razed to within 14" of its floor; latter lies  
11'10" below Ct. level. Bench face, <sup>entirely</sup> ~~mostly~~ laminate  
s.s. with <sup>lesser chips</sup> ~~chert~~ betw. In kiva floor --- 2 post holes.  
Kiva wall 40" th, outer curve crude, etc sloping outward.  
This upper part rests on floor sand 28" above kiva floor.

Type	E. Ct. levels.	floor depth
1	1 <sup>st</sup> type kiva NW cor. - chs. 21-24	15'
2	4'9" ; 4'4" ; 7'5" ; 6' ; 5'6" ; 6'8" ;	
3	" ; 36" ; 25" - 28" ; 33" - 3'10"	

# East Court - 1

8/24/23

& annually thereafter

Both E & W sides built of inferior 3<sup>rd</sup> type masonry on last utilized surface. Earlier surfaces @ various depths covering partly razed walls & sections of others, & quantities of debris - occupational & fr. razed bldgs.

16" w. x 18" h. on 15" founda

"Above Court" crosswall. Of 3<sup>rd</sup> type masonry on last surface & razed to within 18" @ E end. Divides E Ct. into N & S sections. (Nothing comparable in W Ct.). Abuts W side of R. 165 14'2" N. of R. 289, extends <sup>85'</sup> across Ct. & under E side of R. 149 12'10" fr. its outer NE corner & continues W. on floor @ depth of 37". Original height of crosswall unknown; its masonry is mixt but mostly 3<sup>rd</sup> type & includes dressed laminate s.s.

At E end, crosswall is 16" w. x 18" h. & stands, @ Ct. level, on possible predecessor occupying same location but built on surface @ 36" deep. At W. end, crosswall is 16" w. x 25" h., built on typical founda. 15" h. which tops off 11" below last Ct. surface & base of

# East Court - 2 - 3

R. 149 masonry, also 3<sup>rd</sup> type. Thus "Above Court" crosswall, its base at Ct. level @ E. end & 11" below @ W end (present top c. 14" above) is older than R. 149. In its length of 85' only positive break in crosswall is a finished, door-like end 6'7" fr. 149. W of this jamb-like end, first 3 1/2' is of coarse masonry, a fill-in, but next 3' may have been purposely broken out to Ct. level as open passage, perhaps when R. 149 was built.

A 2<sup>nd</sup> crosswall, 16" w. x 21" h., its present top c. 4" under surface, parallels 1<sup>st</sup> crosswall @ dist. of 26" on S. side. May be older of the 2 since it stands on an adobe founda. 14" below base of 1<sup>st</sup> (25" below Ct. surface) & likewise extends W <sup>37"</sup> under floor of R. 149. E of 149 we exposed only 16' of this 2<sup>nd</sup> crosswall & there, on pavement @ depth of 26", it is joined to 1<sup>st</sup> by block of masonry 39" w. & partly razed. This 2<sup>nd</sup> crosswall, built chiefly of large dressed blocks of s.s., with very little chinking, probably should also be called 3<sup>rd</sup> type.

## East Court - 4

6/25/26

E. of R. 149. Test @ outer NE cor. of R. 149 to depth of 5'4" below last utilized Ct. surface (on which E wall of R. 149 was built) revealed successive wall fgt. & former Ct. surfaces. The more conspicuous of these surfaces were @ depths of 10", 20", 28", & 38". Between 38" level & bottom of test pit (5'4") fill consists of sandy debris of occupation plus s.s. spalls & adobe chunks fr. razed walls - typical debris of demolition.

2<sup>nd</sup> level  
3<sup>rd</sup> type

On the 28" level & directly beneath NE cor. of R. 149 is a 10"-long fgt of 3<sup>rd</sup> type masonry 8" th. x 12" h. lying in a NE-SW direction & faced on N side only. Directly beneath its NE end but on the 38" level is the imprint of a walled wall lying NW-SE. About 6" below surface (here 3-4" lower than next R. 149) 7'7" E of & c 3' S. of NE cor. of R. 149 is an oval receptacle 22" N-S x 10" w. x 17" d., with masonry walls 5" thick, finished on the inside only & filled with shale. On

#

shrine

## East Court - 5

the 28" level c 8' fr. NE cor. of R. 149 a masonry block 12" N-S x 7" h. supported an relined basin 9" deep likewise filled with shale.

shrine

### 2<sup>nd</sup> type Sub-Court rooms E of R. 149

2<sup>nd</sup> type

4'9" fr. NE cor. of R. 149 & 100'6" fr. R. 154 a sub-Ct E-W wall fgt. 33" l. x 24" th., built of both dressed & unworked laminate s.s., rough on its S. face but excellent 2<sup>nd</sup> type on N. abuts @ right angle, W side of a N-S wall of similar construction. Floor associated with the E-W fgt., 4'9" below last utilized Ct. surface, is broken thru along the N-S wall as tho the latter were of later construction.

2<sup>nd</sup> type

The N-S wall, 21" th. & rough on its W. side, is faced on the E with excellent 2<sup>nd</sup> type masonry, plastered & whitened. Its N end had been razed to floor

## East Court - 6

3<sup>rd</sup> type over 2<sup>nd</sup>

level (4'9") & buried under debris of demolition but whitened plaster continues to a floor 5" lower; beneath this latter, a N. foundation 24" h. x 18" th. From its outer NW cor., 44'8" fr. NE cor. of R. 35-a & 113' fr. R. 154, this N-S wall extends S. 17'9" where, 4'8" fr. R. 149 & 95'4" fr. R. 154, abuts an E-W 2<sup>nd</sup> type wall 22" th., that passes under R. 149 E wall 5'9" fr. its outer NE cor. & crosses E. Ct. (except for R. 190 interruption) to pass under W wall of R. 167 32'9" from outer NE cor. of R. 289. Opposite the NE cor. of R. 149 the orig. 2<sup>nd</sup> type masonry of this N-S wall still stands an av. 30" above its assoc. floor (@ 4'9") & is overlain by 3<sup>rd</sup> type foundation stonework. Paralleling the N-S wall @ dist. of 7'2" (13'8" fr. R. 149) is a companion wall, likewise 21" th. plastered & whitened, the N half of which had been razed. The remaining S. 1/2 stands upon a floor 4'4" below Ct. surface; an earlier floor 4" lower is covered by shale sqts. Inside room dimensions: 16'3" N-S. x 7'2" E-W.

## East Court - 7

(Req. 38984-A)

S. face of the E-W 2<sup>nd</sup> type wall, 22" th., <sup>continues W</sup> passes under E side of R. 149 7'7" fr. its outer NE corner (directly beneath N jamb of a blocked E door) on a 20" h. founda. & a floor level 7'5" below Ct. surface. (Fill below R. 149 E wall: mostly debris of demolition to floor @ 7'5". Here the orig. E-W 2<sup>nd</sup> type wall was razed to an av. of 2 1/2 ft. & is overlaid by a like amt of 3<sup>rd</sup> type foundation.) Abutting the S. face of the E-W wall in line with those on the N side are 2 more N-S walls that form a second room, 16'1" N-S x 7'5", originally of 2<sup>nd</sup> type masonry but replaced with 3<sup>rd</sup> type. Its W side, 24" th. & 4'7" fr. R. 149, consists entirely of 3<sup>rd</sup> type foundation stonework 49" h., topped by a 3"-w. offset & a single course of 3<sup>rd</sup> type masonry about 2 ft. below present surface.

Req. 38984A

## East Court - 8

In the 2<sup>nd</sup> type E-W wall 25" fr. the <sup>west side</sup> NW cor. & connecting the N & S. rooms is a door 3'6 1/2" w. & 22" across the sill. Here the orig. 2<sup>nd</sup> type masonry, with plaster still adhering, had been razed 3'4" above its assoc. floor @ 7' & replaced by 3<sup>rd</sup> type founda. stonework that retains the orig. doorjamb. In these, 4-5" below the offset (c. 2' below surface), two 4"-dia. holes mark the positions of probable former horizontal wall tie pieces.

Below this door, resting on the floor @ depth of 7' & abutting the E-W wall, is a 2<sup>nd</sup> type masonry step, 3'6" l. x 6" h. & with an 11" tread. Between this step & NE cor. of the S. room (14'1" fr. R. 149) the 2<sup>nd</sup> type E-W wall still stands 4'2" h. (to within 31" of Ct. surf., here 4-5" lower than next R. 149) & supports a pile of household rubbish. That this debris had been dumped

## East Court - 9

There while the wall was intact is shown by fact that, in section we exposed, whitened wall plaster stands 6" h. against the fill - left free when orig. 2<sup>nd</sup> type wall was razed. In this rubbish pile former Ct. surfaces show @ depths of 10", 26", 28", 48", 5'5", & 7' (floor @ base of E-W wall).

The NE cor. of this S. room likewise had been partly razed. A remnant of the orig. 2<sup>nd</sup> type E wall, 18" h. on a 12" h. founda., abuts the E-W wall 26" above its assoc. floor (@ 7') 14' fr. R. 149 & 9'3"6" from R. 155. This remnant, plastered & whitened on W face (E side not cleared), was razed to within 19" of its own floor, 4'10" below Ct. surf., & overbuilt with 3<sup>rd</sup> type. 2 ft. beyond the corner (c. 18' fr. R. 149) the E-W wall had been completely razed, presumably to make way for R. 190.

## East Court - 10

From the W side of this S. room the original 2<sup>nd</sup> type masonry has been wholly removed & replaced by a 3<sup>rd</sup> type foundation <sup>24" th.</sup>. At its N end this foundation stonework stands 49" h. & is capped c. 2' below Ch. level by a single course of 3<sup>rd</sup> type masonry. At its S end the founda. stands 40" h. & is capped 33" below surf. by 2 courses (5") of 3<sup>rd</sup> type masonry. Original S. wall founda., 20" w. x 14" h., was built in a trench & now supports 2<sup>nd</sup> type masonry, 21" w., plastered & whitened both inside & out & razed to within 9" of its floor c. 5 1/2 ft. from Ch. surface. Upon this 9"-h. 2<sup>nd</sup> type remnant are 18" of 3<sup>rd</sup> type founda. like that on W side but here razed an av. of 27" above the 2<sup>nd</sup> type floor.

<sup>S door</sup> In this rebuilt S. wall, 24" fr. the inner SW cor., is the W jamb of a former door 3'7" w. & 21" across sill. In this W jamb 17" above 2<sup>nd</sup> type floor (8" above

## East Court - 11

base of built-in 3<sup>rd</sup> type replacement) are the decayed ends of two 4"-dia. poles cut flush with jamb & like those in W jamb of door in N wall, marking position of presumed horizontal tie pieces. The E jamb of this S. door (Neg. 39928A), plastered & whitened, was razed 26" above its floor & presumably, was subsequently overbuilt by 3<sup>rd</sup> type masonry. With this latter, also razed, a new floor level or pavement extends S an undetermined toward S end of Court on level 3'4" below surface.

From the outer SW cor. of this S. room, 4'8" fr. R. 149, a former westward extension of the 2<sup>nd</sup> type S. wall had been razed 19" beyond the corner & replaced by a rough 3<sup>rd</sup> type founda., 14" th. x 4'7" h., that passes under E wall of R. 149 8" below Ch. surface & 75'8"

## East Court - 12

fr. R. 154. A similar eastward extension had  
2 1/2' been razed 2 1/2 ft. beyond the SE corner. Despite  
the 26" diff. in their floor levels, the orig. S. wall, like  
that @ N end, presumably once crossed the E Ct.  
& if so, it was subsequently razed to make way  
for the sub-ct, 2<sup>nd</sup> type kiva described elsewhere.

These 2 sub-ct, 2<sup>nd</sup> type rectangular rooms E  
of R. 149 had both been razed & replaced by 3<sup>rd</sup>  
type structures utilizing the earlier walls as partial  
foundations. Both friable & laminate s.s., both  
dressed & undressed, were employed in the reconstruct.  
& use of salvaged bldg. blocks is ~~obvious~~ obvious.

Underlie Above Ct, crosswall.

The E-W wall emerging fr. under R. 149 on a floor  
level 7'-7'5" below Ct. surface & crossing Ct. to pass under

## East Court - 13

W side of R. 167 32'9" fr. outer NE cor. of R. 289  
may have been built 1<sup>st</sup> & the 2 rooms later - as  
evidenced by diff. in their floor levels. At its E end  
The E-W wall consists largely of dressed laminate  
s.s. chinked in 2<sup>nd</sup> type. Here it is 19" th. on a 22"-h.  
founda. & its plastered S. face now stands 4'3" above  
its assoc. floor 6' below last Ct. level (on which R. 167  
was built). Fill above 6' level = layered debris of recon-  
struction, household sweepings, & blown sand. In this,  
earlier Ct. surfaces @ depths of 8", 14", 20", 6', & 7'1" c

Sometime after completion this E-W 2<sup>nd</sup> type  
wall was partially razed, presumably to allow  
for construction of 3<sup>rd</sup> type R. 190. About 2 ft. of the  
wall remains E of the abutting <sup>N-S</sup> rooms (a comparable  
stub protrudes fr. SE cor. of S. room) but c 3' E of R. 190 (47'  
a 20 ft. section cut out. This E-W 2<sup>nd</sup> type wall may have been rebuilt in 3<sup>rd</sup>  
type as witness 3<sup>rd</sup> type replacements W of R. 167.

## East Court - 14

fr. SW cor. of R. 167) This 1<sup>st</sup> E-W sub-ct. 2<sup>nd</sup>-type wall continues E. to pass under W. side of R. 167 @ 32'9" fr. outer NE cor. of R. 289.

2<sup>nd</sup> type  
3<sup>rd</sup> type  
no. 38991A  
r/c  
About 5' fr. R. 167 a N-S 2<sup>nd</sup> type wall 17" th. ties with N face of the sub-ct. E-W wall to form W. side of a small room that partly underlies R. 167. Built in 2<sup>nd</sup> type style & its walls plastered, this small room was later remodeled in 3<sup>rd</sup> type. It measures 4'3" w. @ each end & its N. wall is 6'9" l. to the point where it passes under R. 167. In this N. wall, 17" above floor & 27" fr. NW cor., are remains of an apparent T-shaped door, 19" w. @ sill & 33" h., with a 7" offset on E jamb. Later this door was blocked fr. the N. leaving a 19" d. recess. Below sill is adobe step, 6" h. x 9" th. on base, with front sloping to a 7" tread @ floor.

## East Court - 15

plaster rounds up to front of step & plaster on top rounds up to that on wall. Cedar strips evidence former lintel.

2<sup>nd</sup> type  
3<sup>rd</sup> type  
3<sup>rd</sup> type  
3<sup>rd</sup> type  
Finally, slab-lined fireplace 25" sq. x 12" d., built above the 3<sup>rd</sup> type replacement, @ 11' fr. NE cor. of Ct. & 43'11" from outer NE cor. of R. 289.

## East Court - 16

3<sup>rd</sup> cross-ct wall but  
2<sup>nd</sup> in 2<sup>nd</sup> type masonry.

2<sup>nd</sup> type A ~~2<sup>nd</sup>~~ sub-ct E-W 2<sup>nd</sup> type wall, 18" th. on a 14" h. founda., parallels N. side of the 1<sup>st</sup> @ a dist. of 28' (7 1/2' @ 1/2" dist) W end abuts the middle of the E side (razed N of this pt.) of the N sub-ct room E of R. 149 @ 15' 6" fr. NE cor. of R. 149 & 102' 8" fr. R. 155. The wall extends thence 64' 8" eastward across the Court to about the ~~interior~~ <sup>razed</sup> sub-ct, 2<sup>nd</sup> type room W of R. 283 & N of the small room partly underlying R. 167c. At this latter abutment, 15' 11" fr. NE cor. of Ct. & 41' 2" fr. outer NE cor. of R. 289, the ~~2<sup>nd</sup>~~ E-W, 2<sup>nd</sup> type was razed to within an av. of 2 1/2 ft. of its floor, 5' 8" below last Ct. surface. Here the N-S wall, altho razed @ height of c 4 ft., appears the older of the two since its connecting floor, @ depth of 6' 8", is 12" lower than that of the abutting E-W sub-ct wall. The N face of this sub-ct E-W wall shows excellent 2<sup>nd</sup> type masonry while its S. face is rough. Only 2 1/2 ft. high

## East Court - 17

67" @ its E end, this 3<sup>rd</sup> & northernmost E-W, 2<sup>nd</sup> type sub-ct wall still stands 49" h. midway of its length or to within 30" of Ct. surface. Upon its floor & against its N face debris of demolition lies c 2 ft. deep with debris of occupation & blown sand above. Former Ct. surfaces noted @ depths of 18" & 28" c

Casual tests along this 3<sup>rd</sup> sub-ct wall E of 190 disclosed a number of wall frags, all meaningless to me.

3<sup>rd</sup> type (7?) of 2<sup>nd</sup> (1?) (1) Close on E side of R. 190 & just under surface is a N-S sect. of 3<sup>rd</sup> (or 4<sup>th</sup> type) masonry, 39" l. x 10" h. x 14" w. (on a 13" h. founda.), razed @ S. end but, at N, abutting a longer E-W sect. of like construction. This point of abutment is 8' 8" N. of the "Above Court" crosswall (54' 2" fr. outer NE cor. of R. 289); The sect. is 8' l. & was razed @ Ct. level (here 6' 9" above floor assoc. with 1<sup>st</sup> E-W sub-ct, 2<sup>nd</sup> type wall). (2) Abutting S. face of 1<sup>st</sup>

## East Court - 18

- ✓ sub-ct. wall 33'2" fr. R. 167 & upon its assoc. floor  
2<sup>nd</sup> type depth of 6'9" is short fgt. of ~~2<sup>nd</sup>~~ N-S, 2<sup>nd</sup> type wall  
21" w. x 6" h. East of this short fgt. the 1<sup>st</sup> E-W sub-ct 2<sup>nd</sup> type  
wall had been razed to within 34" of its floor; on the  
W side it still averages 24" h. altho in 1 place, 4'6" c  
(3) Directly above this short N-S 2<sup>nd</sup> type fgt. but on  
3<sup>rd</sup> type a level 3' ft. higher (3'10" below Ct surf.), a section of 3<sup>rd</sup>  
type wall 10" w. x 11" h. x 9'4" l., crosses the 1<sup>st</sup> E-W sub-ct  
2<sup>nd</sup> type wall @ a slight angle to E & abuts the 2<sup>nd</sup> E-W sub-ct  
2<sup>nd</sup> type wall 33'4" fr. R. 167. (4) 3'5" E of this abutment  
3<sup>rd</sup> type is a block of 3<sup>rd</sup> type masonry 10" h. x 12" w. x 28" l., its  
plastered top 30" below surface. At same level (40"  
below <sup>surf.</sup>), between this 3<sup>rd</sup> type block & the angled 3<sup>rd</sup> type fgt.  
3<sup>rd</sup> type (\*) a rough, founda.-like wall including both laminate  
& friable s.s., 7" h. x 7" w., abuts S. face of the 2<sup>nd</sup> sub-ct,  
E-W wall & a like sect. 4' l. extends E. from the block.

## East Court - 19

- 3<sup>rd</sup> type (\*) (5) A rough wall, 16" h. x 7' l., joins the 1<sup>st</sup> & 2<sup>nd</sup> sub-ct  
E-W 2<sup>nd</sup> type walls @ pt. 21'2" fr. R. 167. Here, as elsewhere,  
the adjacent faces of these 2<sup>nd</sup> walls are rough & unfinished  
2<sup>nd</sup> type while their outer faces are good 2<sup>nd</sup> type masonry.

Razed 2<sup>nd</sup> type kiva S. of Kiva T:

- 3<sup>rd</sup> type kiva In NE corner of Court, W. of the narrow sub-ct. 2<sup>nd</sup>  
type room, N of the 2<sup>nd</sup> & northernmost sub-ct E-W wall, &  
S. of Kiva T, are remains of a 2<sup>nd</sup> type kiva, almost wholly  
demolished. We exposed only an 11' l. sect. of E bench,  
its facing razed to floor level. (E. end of arc 16'7" fr.  
NE cor. of Ct. & 48'6" fr. outer NE cor. of R. 289; W end  
27'5 46'4" fr. same 2 points). E end of arc is c 3 ft.  
fr. razed N end of rebuilt W wall of the narrow,  
sub-ct 2<sup>nd</sup> type room. Kiva floor is 5'8" below Ct.  
level (here 3-4" lower than @ Ct. sides); an earlier floor  
7" lower is overlain by layers of adobe & shale, each about  
3" thick. Indicated floor diameter, c 20 ft. Floor is

See Kiva T, cd. 7

# East Court - 20-24

Inner SE cor. of shaft 16'8" fr NE cor. of Ct. & 10'9" fr. outer NE cor. of R. 289. Shaft raised 5'6" below present surface; bench raised 3' lower.

approx. @ same level as that of 2<sup>nd</sup> E-W, sub-Ct, 2<sup>nd</sup> type wall (3'8" below surf.) & 8-10" higher than that on W side of the narrow room. On E side of kiva floor stones are roughly piled about a 2<sup>nd</sup> type ventilator shaft (16" x 18" E-W) that belonging to 2<sup>nd</sup> type kiva under floor of Kiva T.

## Razed sub-Ct kiva S. of Kiva O:

W of this razed sub-Ct kiva, test trench revealed another partly underlying Kiva O; floor @ depth of 7'6". Exposed arc, 7'5" l., shows upper wall, 38" th., stripped of facing masonry (2<sup>nd</sup> or banded 3<sup>rd</sup> type) to av. of 3 1/2 ft. of bench; outside rises 3' higher. Bench is 28" l. x 3'5" w. & is surfaced with slabs & plastered; no poles or planks @ rear. E end of S bench recess is 16" d. & lies 6' E of Mag. N.; inner rear cor. is 25" fr. kiva wall, 49'9" fr. NE cor. of Ct. & 66'3" fr. outer SE cor. of R. 312. Fill; debris of demolition to 6', slopes fr. sides to middle; debris of occupa. on top & outside of wall.

See Kiva O for 2<sup>nd</sup> type kiva ft. on W side.

# East Court - 21

Reg. 39574-A

7/9/26

1<sup>st</sup> type sub-Ct kiva, NW cor. of Court, S of Kiva P. Apparently abandoned & partly razed <sup>before</sup> construction of Kiva 2-C which overlies S. half; unnumbered room betw. R. 211 & 212 overhangs ~~west~~ <sup>of Kiva</sup> wall by 18".

Indicated dias.: (1) on floor, 22'6"; on bench, 26'7"; @ wall top, 31'10"

Location: 3 points on inside top of wall: (1) At 19'2" fr. inner SE cor. of R. 212, W face is 18" W of outer E wall of unnumbered room betw. R. 211 & 212; (2) 32' fr. outer NE cor. of R. 211 & 40' fr. inner SE cor. of R. 212, is 28'5" fr. #1; (3) 44'2" fr. outer NE cor. of R. 211 & 36'5" fr. inner SE cor. of R. 212 is 32' fr. #1 & 13'7" fr. #2. Inside N wall @ top is 75'3" fr. outer N. wall of R. 148.

Masonry: typical 1<sup>st</sup> type - roughly spalled laminate s.s. blocks & chinking, unevenly & heavily plastered & covered with finger prints; av. 14" th. walls lightly mottled.

1<sup>st</sup> type

## East Court - 22

On middle W side, wall rises 10' above bench (25") to within c 3' of Ct. surface; top is 2' below base of sub-floor walls under R. 212. East side razed to av. 8'3" above bench; completely (?) razed 4' S. of built-in cross wall. Kiva walls slope outward av. of 22" fr. perpendicular or 2 1/2%.

Bench is 25" h.; av. width, 2'10"; surfaced with s.s. slabs & plastered. Bench face plastered & whitened. White coat (1 1/4" Th. on N face) extends to floor only but underlying adobe plaster continues to earlier floor 13" lower. Between floors, 5" layer of shale overlain by 8" of adobe chunks fr. razed walls. Two pilasters on exposed N half of bench: That to E is 12" w. x 7" h. x 27" l. & rear end is 9'5" fr. E end of built-in E-W crosswall; That @ W is 9" w. x 6" h. x 27" l. & rear is 10'6" fr. W end of built-in wall. Each pilaster is

Sub-flo. walls in R. 27 : 24" h., base 24" below R. 27 floor.

4-pilaster kiva

## East Court - 23

composed of small s.s. chips in adobe, enclosing a 6" dia. log, butt end of which was built into kiva wall & packed with shale. Logs rested upon s.s. slabs of bench surface; forward ends set back 7-8" fr. bench face. No evidence of pilaster offerings.

A built-in E-W crosswall, 24" Th. @ W end & 19" Th. @ E, rests upon kiva floor & bench, abuts sloping walls & rises 12' above floor. Built chiefly of unworked, friable s.s. with blocks protruding fr. both sides @ irregular intervals & unplastered. Possible N enclosure for Kiva 2-C? N face @ top is 31'10" long; @ bench level, 26'7". Its S face @ W end is 17'2" fr. inner SE cor. of R. 212; @ E end, 60' fr. outer NE cor. of R. 149. Near W end 2 single poles 5'9" above bench tie S. face of wall to outer curve of intrusive Kiva 2-C. Similarly, N face is tied by 2 series of poles built into

built-in

## East Court - 24

crosswall @ right angles but inserted into N face of kiva wall @ av. of 6'4" & 7'10" above bench. These poles vary in dia. & depth of kiva-wall placement; shale was packed about butt ends of upper series only where inserted into kiva wall.

Kiva P = bonded  
3<sup>rd</sup> type

Outer curve of Kiva P ventilator shaft (3<sup>rd</sup> type) was built upon partly razed E wall of this 1<sup>st</sup> type kiva.

Fill: Mostly sand & debris of occupation but includes debris of demolition in upper 4'. In this fill, decayed poles, all lying E-W, occur in 3 layers: on floor & @ 21" & 36" above floor. No pavements between. Relatively few potsherds & other discards in fill.

## East Court - 25

SW corner outside R. 150. Outer E wall of R. 150 (3<sup>rd</sup> type) stands on a 5" h. founda., mostly adobe, 17" below last Ct. surface & overlies 2 pairs of parallel, sub-Ct, E-W walls of 2<sup>nd</sup> type construct. Walls of 5 pair av. 14" th. & are 30" apart @ E end, 9' fr. R. 150, where their ends are joined by an abutting sect. of masonry 8" th. S. wall of 1<sup>st</sup> pair passes under R. 150 E wall 24'8" fr. R. 154; its outer SE cor. is 24'2" fr. R. 155. The walls are finished on inside with coarse 2<sup>nd</sup> type work & the space between is filled with s.s. spalls & shale. Assoc. floor or pavement lies 4'11" below base of R. 150 E wall or 6'4" below Ct. level. A later surface, 31" below Ct. level, may have extended across Court.

\*5 founda. in R. 150 is 3<sup>rd</sup> type & apper. continuation of S. wall of 2<sup>nd</sup> type pair.

21" E of this 1<sup>st</sup> unit but separated fr. it by an open passageway 5'4" N-S, is another pair of

2<sup>nd</sup> pair to east

## East Court - 26

parallel walls, av. 16" th. & 32" apart. Their W ends (overall width 5'4") are joined by an 11" th. masonry block comparable to the 8" th. blocks closing the 1<sup>st</sup> pair. Outside SW cor. is 11'4" fr. R. 150 & 24'1" fr. R. 155; 5 ft. farther E., dist. fr. R. 155 is 23'10". Inner N side & W end of this pair finished with 2<sup>nd</sup> type stonework; inner S side is indeterminate.

Standing on an indefinite surface 5'6" below Ct. level & apparently without foundations, these paired walls were razed @ av. height of 22". Space between filled with 18" of s.s. spalls & shale overlain by blown sand.

✓ A 3<sup>rd</sup> pair of parallel walls lies 31" N of 1<sup>st</sup> unit. Its walls av. 14" th. & their E ends, 3'0 1/4" apart inside (5'8" overall width), are joined by an 11" th. block

## East Court - 27

of masonry the outer SE cor. of which is 10'10" fr. R. 150 & 31'7" fr. R. 155. Only 2 courses of N-wall stonework remain but these are plainly of 2<sup>nd</sup> type construct. Altho this pair was completely razed 6' fr. the blocked E end there is no doubt they orig. extended W under R. 150 as did those of 1<sup>st</sup> unit.

✓ 17" E of this 3<sup>rd</sup> unit & 23" N. of 2<sup>nd</sup> unit is a 4<sup>th</sup> pair of parallel walls. These av. 16" th. & are 32" apart @ their blocked W ends (4'10" overall) 12'3" fr. R. 150. Their masonry, finished on inside only, is indeterminate.

They were built in ditches dug for them; adobe & shale fill space betw. ditch bank & wall. Assoc. floor 5'6" below Ct. surface; shale & s.s. spalls fill space betw. paired walls. Both razed 38'4" fr. R. 150; S. 31'7" fr. R. 157. Well packed surface 38" below <sup>top</sup> surface betw. 2<sup>nd</sup> & 4<sup>th</sup> units extends to west.

## East Court - 28

<sup>3</sup>/<sub>4</sub>" in rough 2<sup>nd</sup> type masonry; built on same compact surface @ depth of 5'6" (except 1<sup>st</sup> unit), partly razed & packed between with shale & s.s. spalls. Other surfaces noted @ depths of 11", 21", & 38". Fill: blown sand plus debris of occupation & demolition.

2<sup>nd</sup> type  
1/6" surface  
map. 23526A

East ~~wall~~ wall of Rs 151-152, of 3<sup>rd</sup> type construct., (now 4-4 1/2 h.) has a 9" w. founda. offset marking the principal Ct. surface. Immediately beneath this offset & 18' 4" fr. SW cor. of Ct. (N wall of R. 154) the smoked & plastered face of a nondescript masonry wall (10-12" th.) emerges fr. under R. 151, extends E. & 2 1/2' & then irregularly S. to an inner corner 29" fr. W wall of Ct. where it turns abruptly N & passes under R. 152 @ 46" fr. R. 154. Here, @ S. end, this

Note: sub-floors in R. 152 @ depths of 23", 3'8", & 6'10". (cf. 152-3)

## East Court - 29 (see 12" @ N end)

R. 152 E wall founda. rests on floor of 2A house @ depth of 6'10".

sub-Ct (is 8"-th. wall) was razed 3' above its assoc. floor. Between this razed wall & N side of R. 154 a former Ct. surface lies 12" below R. 152 foundation offset & 6" below that of R. 154, rounding up against plaster on latter. A ventilator 8" w. x 10" h. with plastered sides opens into R. 154 @ 23" above base of wall masonry & 7" fr. SW corner of Court.

± 6'10" below Ct. (?)

Plaster on inner N wall of sub-Ct room extends to indistinct floor 56" below Ct level but <sup>wall</sup> masonry continues an additional 18". Top of wall razed. On floor against E wall of <sup>sub-Ct</sup> room, a "bench" 25" h. x 11" w. x 43" l. Above "bench" an unplastered, rebuilt portion of wall 37" w. to razed top. In N wall above bench level & 27" fr. NE cor., a door-like opening. Another, 19" w., in E wall 56" fr. NE corner.

6'2"

sub-floors in R. 152 @ 23", 3'8", & 6'10".

U.S. #325582

Finds: copper bell (No. 1279) & misc. sherds incl. 1 of MN type.

# East Court - 30

Reg. 23336A.

18'4" fr. R. 154

paired  
3<sup>rd</sup> type  
walls  
S of 4 2<sup>nd</sup>  
Type pairs

Emerging fr. under R. 151, this nondescript sub-ct wall <sup>about 3 1/2' fr. R. 151</sup> abuts razed W ends of 2 parallel, partly razed 3<sup>rd</sup> type walls, 16-18" th. & 26" apart, built on former ct. surface @ depth of 18" & like the sub-ct room, immediately overlain by the principal ct. surface, that @ top of R. 151-152 E-wall founda. offset. The jamb-like E ends of this pair are abutted 9'10" fr. R. 151 & 8'4" fr. R. 155 by an external masonry block <sup>with the 26" space between</sup> 32" l. x 9" w. Beyond an open passageway 36-40" w., partly razed, extensions of these paired walls continue eastward. From the N member, 24'5" fr. R. 151, a partly razed wall 15" th. extends northward.

Above

At S. side of S. member of this pair & on same level with its razed top is a section of a

# East Court - 31

Reg. 23336A

(2-14'4")

3<sup>rd</sup> type  
founda.

23"-th. founda.-like wall with an apparent W jamb in line with those of the 3<sup>rd</sup> type pair. Beyond a 47"-w. open passageway this 23"-th. foundation, without identifying masonry, extends eastward 23', slightly N of E & thus overlying the S. member of the 3<sup>rd</sup> type pair, to a razed end near Rwa 2-E & 9' N. of R. 157c

3<sup>rd</sup> type  
room

on 2<sup>nd</sup>

The W end of this 23"-th founda. is overlain by the corner of an apparent former room whose N wall, 10-12" th. & razed @ height of 4", stands 6'2" fr. R. 154 on a pavement 29" above the ct. level (on top W wall foundation offset) a later pavement 4" higher directly overlies the 4"-h. wall remnant & presumably marks the last utilized surface in this part of the East Court.

## East Court - 32

The former Ct. surface under the paired 3<sup>rd</sup> type walls (18" below that @ base of R. 152 E wall) slopes slightly to S. apparently passing under N wall of R. 155 @ depth of 23". This 155 N wall, without founda., rests upon debris of occupa. fill. Built on this same fill & against the R. 155 N wall 9'3" fr. SW cor. of Ct. is a block of masonry 22" w. x 6" h. At S. end of East Court, surface level changed with successive accumulations of blown sand & debris of demolition. Fpts of raged walls occur repeatedly on various levels below R. 152 & Kiva 2-E; most all of 3<sup>rd</sup> type construct. Other raged walls below Kiva 2-E & larger 2<sup>nd</sup> type kiva S. of "Above-Court" 3<sup>rd</sup> type wall.

## East Court - 33

floor dia. 31'

Sub-Court kiva: Occupying much of E. Ct. S. of "Above Court" crosswall is a partly raged kiva of 2<sup>nd</sup> type masonry. Indicated above bench dia. c 35'; walls raged to within 3 1/2 ft. of bench. ✓ latter is 24" h. x 24" w. on <sup>av. 30" w.</sup> E. & 36" w. on SW. On top of bench, 19 layers of unsmoked, whitened plaster. Floor on E side is 12" 10" below Ct level; on W., 11'3". Diff. owing to lower surface in mid-Ct. Fill of sandy earth plus debris of demolition in upper 5 ft. 8/5/26  
floor dia. ca 31'

Test pit W of R. 164 & N of R. 289: Depth, 6'9" below Ct. level. Earlier levels @ depths of 3", 10", & 18". North wall of R. 289 built upon last utilized Ct. surface; W wall of R. 164 built upon surf. to depth of 16". Below 6'9" level, fill consists of water-reworked constructional debris plus blown sand. Temporary fires had burned on 10" surf. 5' N. of R. 289 & 4' W. of R. 164.

Test Pit No. 1

Test Pits 1-3 cited in S.S. Explor.  
Fieldwork for 1922, p. 136

1921

Midway betw. PB & old stairway up. N. cliff.

Trench 20' long; 8' deep. Thru blown sand.

@ 4', horizontal clay lens.

@ 6', in W. end of trench, water deposited gravel;  
sand below. No stone impts found; very few sherds.

Refilled.

Test Pit No. 2

1921

On flat N of upcanyon road 5-75-100' E. of R. 177.  
9'4" deep; mostly blown sand, sand with clay streaks. Fenced for  
further study.

Seen on Neg. 7662A (NMS, 1921) - view E fr. Kiva D.

" 16275A ( " 1922) - " fr. N cliff, looking upcanyon, Anderson & Tripod,

" 4303B/Wishard, 1923 " " "

NGS. Negs showing #3: 18654A (May-1922); 23323; -324 (Oct, 1923); 4305B (winter, 1923);  
 28494A; 28590A; 28625A (Oct, 1924)

Test pit No. 3

1922

Mid-way between PB & camp. 9' 2" deep. No artifacts; no sherds. Walls show more clay, less sand than in Nos. 1 & 2. Fenced for further study. [Bryan, 1954, iv]

1924

At Scofield's suggestion took samples @ 10" intervals for soil analysis. See Breagale's letter of 9-27-24 for results. Black alkali, bottom to top; agriculture difficult & unprofitable.

1925

Deepened No. 3 @ Bryan's suggestion; kept fenced. Scofield reports, Aug. 24, 1925 on water samples collected in 1923-25. All show sodium, some more than others. See letter.

Bryan recorded layers on end West Mound trench; found Bonito late type sherds betw. 10' & 18' 3" below surface. See Bryan's "log" of No. 3 in his 1954 pub. p. 58. Also, on W. end, Trench profile. Bottom of No. 3 @ 12' below base of rock-filled channel, W. end, tr., Sta. 65.

Negs. showing Pit No. 3

Neg.	by	steps	Notes
23324A	OCH, 1923	□	E 1/4 fr. N. cliff; beginning of NE foundation.
23325A	"	□	"
28625A	OCH, 1924	□	PB fr. N. cliff, end 1924. Shows W. ind. track out; stratig. recd (dim) E ind. trenches same, earlier in season track in use; W ind. tr. doesn't show; less work, E ind.
28494A	"	□	PB (E 1/2 clear) fr. N. cliff
4305B	winter 23	□	PB fr. N. cliff, end 1924
28590A	OCH, '24	□	
<del>28625A</del>	"	□	
<del>28494A</del>	"	□	
18654A	May 1922	□	E 1/4 fr. N. cliff, end 1922 Hyde & NGS. E ind. cuts Track in E count.

Test Pit # 3

- SE of S. end of W. ind. trench.
- In post-Bonito channel. Bottom 18'3" below level of plain; log in Bryan (1954, pp. 58-59) Late Bonito shreds betw. 10-18'3" deep. Bottom of pit  $\approx$  12' below bottom of rock-bottomed channel betw. Sta. 50  $\nabla$  60, which is

2.

Rock-fill - bottom  $\approx$  6' below plain

Test pit No. 4

1922

About 100 ft. NE of R. 184. 9 ft. deep, thru sand & clay layers. Some of clay looks puddled. Fenced 2-3 days to keep out Navaho horses then refilled. No artifacts.

Neg. 18657A (NMJ, 1922)

Test Pit No. 5

On terrace @ W end Hillside Trin. N-S. pit

On Neg. 32354A (OCH, 1922)

Negs. 28584A, 28624A (OCH, 1924); Neg. 32354A, 32356A (OCH, 1922) show shallow E-W pit 250-300' E of R. 177 in search (?) for extended NE foundations?

# Test Pit No. 4

Numbered acc't Bryan's nearby Sect. 4; replace  
refilled Test # E of ruin.

1925

60' E of arroyo edge @ Bryan's Sect. 4, exposure  
of Jackson's buried arroyo near SE cor. of Pueblo del A.  
Dug @ Bryan's request to fix direction of buried arroyo.  
15' deep. 2' sandy adobe on top arroyo refill; late  
PB sherds betw. 7 & 15 ft. Bryan, 1954, p. 59 gives "log" of #4.

## Stratigraphic Tests @ P.B.

- 1921: West Mound. N. end N-S trench @ high pt. W. of middle.  
" " " " " 2<sup>nd</sup> test.  
East " E. side Hyde trench near E end of mound.
- 1922: West " 3<sup>rd</sup> test @ N end 1921 trench.  
East " N-S trench W of 1921 test; retaining walls.  
dug 3 more pits near PB. [noted in S.J. Field Work for 1922, p. 136]
- 1924: West Mound. 4<sup>th</sup> test @ N end 1921 trench, see test profile.  
East " 3<sup>rd</sup> " (see Blom's test p. 10 file); extended trench; more retaining walls.
- 1925: West " Trench extended thru W. Court; S. to  
meet Bryan's "post-Bonito" channel.  
East Mound. trench extended S. to post-Bonito channel;  
N. to R. 171. [S.J. Fieldwork for 1925 notes 4 great trenches dug]

## West Mound Stratigraphy - 1

(3 eds)

1921

At highest point W. md. - no evidence of other digging nearby cut N-S trench for stratig. column. Clean sand at 20' 3" deep; much debris of reconstruction & mixed early & late type sherds throughout. Layers separated by natural deposits of blown sand, burned sand, ash, etc. Cut a 2<sup>nd</sup> column adjoining 1<sup>st</sup>. Still no useful stratig.

In 1922 & 1924 cut 2 more test columns, adjoining that of 1921. (See 1924 test profile)

At Bryan's request extended W. md. trench 1925 out onto flat to connect with his "buried channel." Trench bends to SW fr. top of md. & 1921-24 test columns. (See profile of trench.) Also extended trench N to ruin & Thru W. Court to Kiva Q. Test Pit # 3 SE of S. end of extended trench.

Bank of buried channel shows indefinitely <sup>between</sup> Sta. 5<sup>10</sup> of trench & is filled with laminated silt & silt-streaked sand. Late P.B. sherds @ 9-10' @ Sta. -45 & -35.

## West Mound Stratig. - 2

1925

Between Sta. + 30-35 @ depth of 5'-9' adobe bank with debris reconstr. above. Rock wall above adobe to top of md. Old stream channel, silty bottom, on N. side of wall. 2<sup>nd</sup> & earlier wall, base 6' below md. surface, @ Sta. 50; stream channel on N. side with rock fill on bottom @ 11' d. betw. Sta. 55-65. Silt-streaked & laminated sand above & below fill. On N. side of channel, betw. Sta. 70 & bank @ Sta. 87, laminated sand & clay overlain by 18" layer of water-laid sand reworked by wind. Above & to N., a purposeful dump of debris reconstr. containing pockets of blown sand & ash, betw. Sta. 94-112. On S. side this dump, slumped material grades into debris occup. Betw. Sta. 122-125, stratig. tests of 1921, 1922, & 1924 with hinge in line of trench @ 125. Depth 20' Thru mixed debris reconstr. & occupa. with silt & sand streaks.

N. face of N. retaining wall @ Sta. 150; wall @ 3' th. of 3<sup>rd</sup> type. Hyde Exped. (?) trench, sand filled, on S. side; slumped md. debris on N. side. At Sta. 159, 8' below top of reconstr. debris

## West Mound Stratig. - 3

5 11' below present top of slumped debris, small clay-lined hearth on sand. Betw. retaining wall @ Sta. 150 & S. wall of R. 136 @ Sta. 194, mixt debris of occupa. & reconstr. Eroded bank of old channel 3'h. in debris @ Sta. 182, Top 4' below surface. Elliptical dump of occupa. debris 10-11' below surf. betw. Sta. 179-186. Trench c 12' deep; silt streaks in sand & laminated clay to bottom which is former channel.

## West Refuse Mound (3 cuts)

1921

Opp. W side of Bonito, approx. 100' x 200' x 10' high. Evidence of sporadic digging; wide N-5 trench near E end & on E side of this a vertical cut as tho for stratigraphy. See Martin 1920 Neg. 3018-B.

We selected just W of middle unworked area for stratig section @ N end of N-5 trench. Clean sand @ 20' but Pre-Pueblo & late Bonito sherd types intermixed thruout plus preponderance of constructional debris: s.s. spalls & wall adobe. Character of deposits determined thickness of layers; also, buried sand or ash between. Later cut another 3' square sect. @ side of trench. Same results. More building debris than household waste. Stratigraphy unsatisfactory.

1922

Another 3'-sq. sect.; same results. No good stratig. Cut E. end. trench & section also.

## West Refuse Mound - 2

(4<sup>th</sup>)

1924

Started <sup>1924</sup> season with with another stratigraphic study of W. md. Same results as before: <sup>1921-1922</sup> mixed early & late potsherds & large amt's constructional debris. Household sweepings make up small proportion of total. Successive layers & lenses between look too much alike; pre-Pueblo sherds found thruout; a few M.V. frags. occur in upper 1/3.

Spot-outlined enclosing walls, previously found by others, perhaps Hyde Exped. NW & NE corners well marked, sharp & true. Wall between, faced on both sides, looks like mixture of 2<sup>nd</sup> & 3<sup>rd</sup> types: 2<sup>nd</sup> type mostly of dressed friable ss. with relatively small amt of chinking & 3<sup>rd</sup> type including larger blocks than usual & more adobe mortar. SW corner not found. E side of enclosure orig. 2<sup>nd</sup> type; 3<sup>rd</sup> type above.

## West Refuse Mound - 3

NE cor. well made; equals one in house construction. Apparently on rather uniform, water-washed adobe platform @ c 50' S. of NE cor. & 2' E of wall & 15" above its base (here 34" below present surface) is a slab-sided fireplace with a 2" layer of charcoal & ash. Built upon an indistinct surface; stratified sand above & below.

neg. 28509A  
Oct. 1924

83' S. of NE cor., lower (2<sup>nd</sup> type) E side of enclosure is abutted @ L by non-descript wall, 22" w. x 19" h. built without founda. on adobe surface, that extends E. 22' & then S. 8' where it abuts broken walls extending E to SW cor. of East Mound enclosure. But 3<sup>rd</sup> type upper wall on E side of W. md., which has toppled inward, continues beyond this non-descript wall & upon the lower 2<sup>nd</sup> type wall to a definite SE cor. of W. md. enclosure. Stratified ash & earth under upper, 3<sup>rd</sup> type wall.

see  
Blom plan  
(1924)

In 1925 we extended <sup>main W. mt.</sup> this trench S. to flat & post-Bonito arroyo & N. to ruin & thru West Court. (see W Ct notes & cross-section drawings)

# East Refuse Mound

(6cd)

1922.

Old N-S. trench across low E end is relic of Hyde Exped. shown on Pepper's Fig. 3 (1920, p. 20). Mound had been thoroughly gophered. We cut stratig. sect. on E side <sup>of old trench</sup> (OCH Negs. 11901A, 11953A; 11941A & 11943A fr. N. cliff.)

Nov. 18641A  
18671A  
Nov 5, 1922  
In 1922 cut new trench just W of Hyde's with 3'-sq. stratig. section @ N end. Results again disappointing; mixed pre-Pueblo & Bonito type sherds, top to bottom, & much debris of reconstruction. Also sampled enclosing walls were exposed by earlier excavators. (Neg. 22651A - OCH. 1923; #5992A (Wishard, 1923?))

1924

Nov. 28522A  
Oct. 1924  
Cut new stratig. sections in both E & W mounds. Also exposed more of enclosing walls. On W edge E mound orig. wall is of 2<sup>nd</sup> type but less distinct than in ruin; av. 2' h. with non-descript. 3-4 course wall above, both dressed & undressed s.s. Upper wall settled outward; middle 1/3

## East Refuse Mound - 2

had fallen completely off the lower 2<sup>nd</sup> type. Apparently to correct this collapse a new, nondescript. parallel wall was built 3 ft. to W, extending from a complex @ NW cor. to a new SW corner.

Nov. 28580A  
Oct. 1924

Nov. 28523A  
Oct. 1924

Nov. 28573A  
Oct. 1924

Complex outside NW cor. is puzzle. Walls are non-descript. mostly of 1 or 2 courses only, built on adobe surface that dips to W. In middle is rude circular structure 45" dia. with walls 14" th. North enclosure wall, bared for most its length, is much disintegrated but appears to be of 3<sup>rd</sup> type, resting upon an accumulation of sand, ash, & earth & av. 2' h. Over this wall 80' fr. NW cor. is series of 8 masonry steps. Lowest is 28" E-W x 24" w. & rests upon sandy earth without founda.; upper steps av. 15" w. At this point an inner wall av. 24" th & apparently 2<sup>nd</sup> type was built against outer wall, 33" h. & 18" th, incorporating some

## East Refuse Mound - 3 of upper steps.

Aug. 28500A.  
Oct. 1924

85' E. of above steps (c. 165' fr NW cor.) is a 2<sup>nd</sup> series of 8 masonry steps leading up over enclosure wall to top of mound. They are 35' fr. NE cor. of enclosure. Lowest is 43" h. with a 22" tread & rests upon 4" of blown sand over a hard adobe surface c. 4' above base of R. 175 masonry. Upper steps av. 25" w. & rest upon ashy mound deposits. Here a section of N enclosure wall was torn out to allow for step crossing; E of steps N wall stands 28" h., on W side 37".

Aug. 28596A  
" 28597A  
Oct. 1924

NE cor. of enclosure is of 3<sup>rd</sup> type & well built; it stands 5' h. & rests upon a 12" h. founda. upon an adobe pavement. From this cor. S. the E wall continues 3<sup>rd</sup> type part way but becomes cruder (perhaps rebuilt) toward

## East Refuse Mound - 4

Aug. 28513A  
(Oct. 1924)

middle & cruder still in S.  $\frac{1}{2}$ . About 35' fr. NE cor. the wall steps outward 5' & thence S. another 30'. Here, c. 5' beyond real SE cor., a section of 3<sup>rd</sup> type wall extends E c. 30' where it is reduced to a cruder, 2 courses, & W c. 10' under the Wetherill dam c. Main S. wall c. 5' N. of this extension is good 3<sup>rd</sup> type.

From NE cor. of enclosure a crudely constructed wall extends N toward SE cor. of PB; its middle portion is 3<sup>rd</sup> type, indefinite @ either side, N  $\frac{1}{3}$  is missing; also a 27" section @ S. next enclosure wall.

# East Refuse Mound - 5

1925

Extended E. md. trench S. to connect with Bryan's "Post-Bonito" channel & N. to foundation of R. 171. Also widened trench @ N end to clear E-W buried 2<sup>nd</sup> type wall. <sup>found in 1925</sup> From an outside corner 91' from R. 171 & 93' fr. middle W side of enclosure this 2<sup>nd</sup> type wall extends N 20' to meet 3<sup>rd</sup> type N side of enclosure. This 2<sup>nd</sup> type wall, 23" th., stands on a fairly uniform adobe surface & was not bared beyond W side of trench. Where exposed in trench, S. retaining wall consists of 2-3 courses of both friable & laminate s.s., dressed & undressed, but nearer SE cor. masonry becomes 3<sup>rd</sup> type. As exposed in trench S. retaining wall is on approx. same level as buried, E-W, 2<sup>nd</sup> type wall @ N end. Inside of angle, apparently less occupational debris than outside.

Mar. 1867/1A  
OCT. 1925

Mar. 344/1A  
OCT. 1925

Mar. 319/1A  
OCT. 1925

Mar. 186/1A  
OCT. 1925

# East Refuse Mound - 6

1925

J-43 Profile of trench thru E. md. shows irregular dumping of occupational & demolition waste under N retaining wall & between latter & R. 171 with indications of wind & water leveling action thruout. Outline of Post-Bonito channel @ S. is clear; @ N, betw. md. & R. 171, are suggestions of a water channel, filled with silt & debris of reconstruction. Here, @ N end, 4' below base of R. 171 foundation & underlying it, is an unlined, ash-filled hearth 34" w. x 4" deep.

Mar. 344/1A  
OCT. 1925

East Mound Stratigraphy - 1 <sup>5</sup>/<sub>5</sub> <sup>5</sup>/<sub>5</sub> see 1921 trench profile  
Retaining walls

1921 - cut column on E side of N-S. Hyde Exped. trench @ E end of md. Mixed debris; early & late sherds.

1922 - cut trench N-S in previously undug sect. of md. west of 1921 test. Same mix of early & late fpts & debris of occupa. & reconstr. S. retaining wall = crude; 2-3 courses high. In middle of md. on irreg. adobe pavement fr. S. retaining wall, came upon E-W 2<sup>nd</sup> type wall c 2' high, razed & wall debris allowed to fall.

1925 - extended trench S. to contact post-Bonito channel; N. to outer wall R. 171. (See trench profile). At Sta. 20, N. edge of post-B. channel overlies wedge debris reconstruction with base c 6' below plain. Bottom of trench @ Sta. 10 is c 8' below plain & in channel fill of laminated sandy clay, silt, sand, adobe. Between Sta. 20 & 40 apparent prehist. watercourse, silty base c <sup>3 1/2</sup>/<sub>2</sub>' below plain; S. edge apparently eroded by post-B. channel. S. retaining wall, <sup>c 2 1/2' below plain</sup> built upon <sup>c 1 1/2' above plain</sup>

East Mound Stratig. - 2

Nep. 31991A; 34505A; 18641A;

intentional (?) fill of packed sand including clay pellets. Stands out sharply fr. fill on either side.

Stratig. sect. 3' sq. @ Sta. 60-63; bottom 18' below md. slope or c 8' below level of plain; top of md. c 13' above plain. Stratified sand & silt; debris of occupa. reworked by water. Betw. Sta. 50-80 apparent prehist. watercourse, round-bottom, with base c 4 feet below level of plain; above 3' sand-silt

SE. cor. of buried 2<sup>nd</sup> type wall on adobe pavement above N. bank of prehist. watercourse @ Sta. 85; base of wall c 2 1/2' above plain. Pavement lies on E. side of trench; wall masonry c 10" lower on W side. Corner is 20' from N retaining wall, latter looks like reworked 2<sup>nd</sup> type but is 3<sup>rd</sup> type <sup>4 1/2'</sup>/<sub>4 1/2'</sub> outside <sup>4 1/2'</sup>/<sub>4 1/2'</sub> above plain.

Betw. Sta. 120-130 sandy clay with clay pellets & occasional s.s. spalls & potsherds makes 10' fill N edge of which is S. side of apparent prehistoric round-bottomed watercourse (Sta. 130-175) silty base c 6' below present surf. or c 2 1/2' below plain. Below latter, mixt debris occupa. &

### East Mound Stratig. - 3

debris reconstr. to 8' below plain. Here, trench 11' deep. At Sta. 164  
fgt. trenched metals under mixt debris c 9' below present surf.  
or c 4' below level of plain.

#49-3449A

Trench ends against S. wall of R. 171 @ Sta. 178. Base of  
founda. c 5' below present surface (c 2 1/2' below orig) but c 2' above  
plain. Trench 10-12' deep. 4' below foundation (9" below present surf.)  
is bisected hearth 34" w. x 4" d., ash-filled. Mixt debris occupa-  
v reconstr. under & above hearth; extends S. under N. retaining  
wall of E. mound. (See Trench profile).

### East Mound Retaining Walls - 4

Hyde Exped.

N side: outer face exposed 1924. Some previous digging.

#49-28573A

80' fr. NW cor., flight of 8 stone steps leads up & over  
wall. Lower step, outside & no founda., 28" w. x 24" d.; upper  
steps c 15" w.; dry stones piled @ ends. Retaining wall here  
18" th. & of poor 3<sup>rd</sup> type; built against apparent 2<sup>nd</sup> type  
wall, 24" th. Outside wall 33" h.

#49-28560A

2<sup>nd</sup> flight of 8 steps 165' fr. NW cor. had been cut thru  
wall. Latter is 37" h. on E of steps; 28" h. on W. Lower step, 43" w.  
x 22" d., stands outside wall on 4" blown sand with adobe surf.  
below. Upper steps c 25" w. lie on md. fill with dry stones @ ends.  
Wall is 75' fr. R. 175; adobe surf. below lower step is c 2' above  
R. 175 founda.

#49-28597A

NE cor. of enclosure is good 3<sup>rd</sup> type, on 12" founda. & 5' h.  
E end of enclosure is 3<sup>rd</sup> type but gets progressively poorer toward S.

#49-28513A

S. wall in 1922 trench is only 2-3 courses high & poor.

W. wall, orig. 2<sup>nd</sup> type, had fallen outward; rather, a 3-4  
course addition on top had fallen. This replaced by new wall 3' W

## East Mound Retaining Walls. -5

of original. At NW cor. of new wall, rock-walled area with  
45" dia. stone circle in middle. Adobe pavement (natural?)  
slopes down to N.

Middle Trench just outside W end of enclosure.

## Middle Trench

On W edge East Mound. (See trench profile)

80' long; av. 9' deep; occupa. debris slumps down fr. E. mound.

Possible retaining wall @ S. end (@ Sta. 16) c 3 1/2' h., base c 2 1/2'  
below level of plain. On S. face, willow mat, roots E-W, hangs against  
wall appar. to prevent erosion of small E-W channel, round-bottom  
& bottom c 5' below plain. Above sand-silt fill 3" stepping stones  
perhaps as footing in building substitute wall, with base c 1 ft.  
higher than 1<sup>st</sup> (c 1 1/2' below plain). Below N. face of later wall,  
wattled construction, juniper (?) stakes plastered both sides.

Between Sta. 10-60 apparent earlier channel, broad & filled  
with debris of occupa.; bottom of debris c 5' below plain; sandy-  
silt to bottom of trench, c 6 1/2' below plain.

1925 sherds: 2 lots, A. 5'8"-7' below surf.; B. 8'7"-10'6" below surf. Taken  
fr. buried channel betw. Sta. 0 & 5. Acc. 95112; No. 334187.

# Middle Trench-1

1925

N-S. trench on W edge of East Refuse Mound. Stratified deposits, like those of East & West mounds, are preponderantly of constructional debris. But @ S end of trench, where broken walls connect E & W mounds, are 2 unexpected sections of wattling: (1) transverse willows (decayed wood in imprints), bedded vertically as tho a mat, against & below S. face of N cross-wall & (2) sticks nearly vertical, plastered with mud on both faces, below N edge of S cross-wall. Latter is a little above former & may be later. Between the 2 is a narrow bed of water-laid silt with 3 "stepping stones" above. Base of wattled sticks, c 3' high, are c 4' below bottom of S. cross-wall & c 2 1/2' below base of N wall. As in E md. trench, debris layers slope downward toward S. & "Post-Tomito" channel.

## Talus House, N of Brack

See room & bins built against cliff N of R. 298, excavated in early summer 1927. Room in early summer of 1927. Was constructed first, small room built against it. In NW cor. of Room lies 55° E of N. from SW cor. of R. 206; 19° W of N. from SE cor. of the narrow wicker room N of R. 298. In NW wall 5° W of N. Room measures 11' 6" on E, 11' 4" W, 10' 10" S, 10' 6" N. Eight packed beam holes show in N wall 7' above floor. E wall stands 8' 6" h. E & W walls abut the N which is a cliff. S wall abuts superior masonry of N wall, latter consists of red blocks of dressed pisable as with one or two separating courses of laminating chips. S & E walls of nondescript masonry including dressed and ~~finished~~ unworked pisable & laminated st. In E wall, 1' fr. NE cor. is incorporated large block 2' h on which bone and have been sharpened. In N wall, 2' fr. NE cor. are 3 packed, human footprints, approx 5" W x 10" h. The lowermost of these is 2/3 concealed by floor & underlying debris of construction. 17" W of latter footprint is another smaller one with five toes, 3/4 lower half concealed by floor. These packed footprints and zig-zag design in middle N wall apparently made before construction of room. In W wall 7' 8" fr. NW cor. and ab floor level is "apparent ventilator" 1" W x 5 1/2" h. Fireplace (?) middle of room; all walls had been plastered.

Talus House, N of P. House

10/24/27

Kiva: mens 18' 7" diam at floor level. Surrounding bench on 17' w x 22' 10" h no plants. N wall now stands 19' above bench. Both bench and upper walls had been plastered. Masonry mostly of dressed blocks of pumice and with separating courses of laminated chips, more closely resembles 2nd than 1st type construction.

S bench across mens 4' 9" w in front, 5' at rear, which is main wall of kiva, 14" d on E and 13" on W. Bench <sup>partially covered</sup> narrow at sides of rear. Masonry lined, ventilator duct 4' 4" h x 12" w x 19" d passes under middle of S bench across. Duct had been covered by split cedar 3' below floor level. Duct opening 15 1/2" x 12" N-S was partially covered by 1/2" of dressed ss. tablet. Remnant S bench across 7' 9" W of N.

Fireplace plastered kilb unrimmed 21" diam x 6" d lies 14 1/2" N of inner wall of ventilator duct.

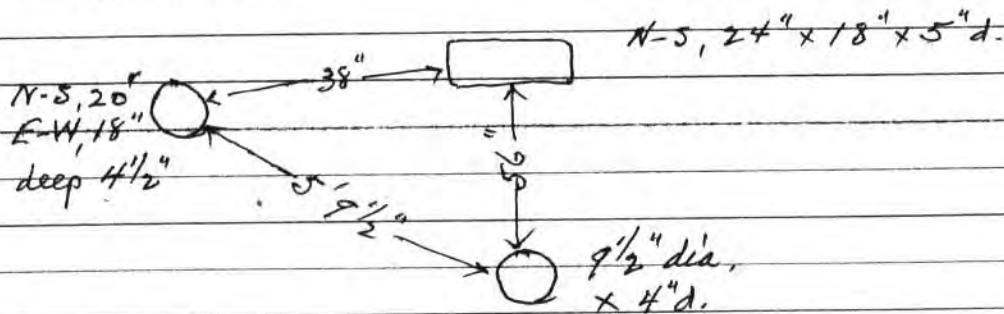
Masonry of kiva and its enclosing walls is superior to that of dwelling opening on E. Both rooms filled by fallen masonry + blown sand.

Diner SW cor. of dwelling stands 3' 9" fr inner E upper wall of kiva.

### Oval area on N. Cliff.

11/5/27

On N rimrock, E of PB stairway, oval area on bare rock, ca. 30' N-S x 60' E-W, enclosed by unworked s.s. blocks, some large, some small, some on edge but mostly flat. Quantity of blocks & spalls indicates a wall, if any, no more than 2' h. Caprock is fairly smooth & wind-swept. In middle of it 3 pecked basin-like features: 1 rectangular, 2 round thus:



r cls. 9/7/23

Shrines (?) @ outer SE corner of R. 176. - 1

Small masonry structures of unknown purpose about plastered outside E & S, walls of R. 176. No wall openings evident; no sign of ceilings. Sand fill.

#1: Inside, 4'2" N-S x 24" w. @ S, 27" @ N. Floor 33" above top of R. 176 foundation & 38" below its S. ventilator. South side plaster: lower 15" is dull red band; white above.

West wall plaster: lower 30" is dull red, white above.

North side, without foundation, built on 5" layer of blown sand 33" above founda. of R. 176; is 3'7" h. x 15" th. @ base but upper 15" overhangs <sup>20" th.</sup> lower by 5", all on inside. Externally this N. wall is good 2<sup>nd</sup>-type masonry. South side, 21" th. is 3<sup>rd</sup>-type masonry; abuts plaster on ruin wall & extends E 3'9" in line with S. wall of 176. East side, 21" th., abuts plaster on S.

Neq.

#2: Built against plastered S. side of No. 1 are N & E sides of a box-like masonry receptacle 27" E-W x 20" N-S. N. side is 15" th.; E, 12"; S, 2'8"; W, 19" th. Highest, @ N, 21". Outer E side in line with #1; N. masonry abuts S. side of #1. Later than #1; probably later than #4.

(?)  
Shrines, outside R. 176. - 2

#3 structure: Built against continuing E sides of adjoining Nos. 1 & 2 is another, #3. Measures, outside, 12'5" l. x 36" E-W. Floor @ same level as that in #1 & 2, E side goes 8" below floor. No foundations; no stone from raged walls. Abutting outer SE cor. & extending E. unknown distance is foundation-like wall 24" th. x 12" h. S. wall of NE Foundation Complex.

#4 abuts plaster on outer S. wall of R. 176; measures 4' w. x 9'9" E-W @ N, 9'11" @ S; E side is continuation of 176 E wall; S. side barely traceable. Floor @ same level as those in #1 & 2.

#5. Abuts S. side of #4, its floor @ 23" lower. Measures, inside, 10'2" E-W x 3'8" w.; inner NE cor. 4" E of #4 SE corner. Masonry, chiefly 3<sup>rd</sup>-type. Abutting N face, 12" fr. NE cor. is solid block of plastered masonry, 3<sup>rd</sup>-type, now 2 1/2' E-W x 17" w. x 8" h. Step?

#6. Abuts plastered S. wall of ruin & unplastered W. side of #4 compartment. Measures, outside, 3'5" E-W x 39". Its W side is 14" th. x 10" h.; S. side, 13" th. Floor 20" lower than that of #4.

Braced-up Cliff - (5 cds)

Rearranged & clarified 3/20/55

1922

Approximately 150' long, 100' h., & 30' thick @ mid-height. Stands free from cliff; towers threatenly over Pueblo Bonito. Gave Bonito its Navaho name tse'biya hari'a'ki (rock braced from beneath).

Horizontal cleavage plane across entire rock c 15' above base; softer s.s. strata below weathered out to depth, 0'-15', deepest @ left middle of rock. Bonitians braced rock with pine props slanting rearward to roof of cave; packed them about with rubblework. 9 posts, <sup>10-12" dia.</sup> visible & 4 empty holes. All but 2 most inaccessible had been cut off low with steel axes or had been burned long ago & subsequently weathered. 2 posts, No. 2 (JPB 156) & No. 7 (JPB 157) were sectioned & later dated by A.E.D. at A.D. 1057 & 1004.

Sloping down & out fr. front edge of overhang is solid stonework; base is 2-5' outside overhang. Front is a veneer c 5' thick @ bottom, rising vertically behind, & originally c 2' thick @ top. Stonework front consists of irregular blocks, mostly friable s.s.,

Braced-up Cliff - 2

natural cleavage planes forward & laid in adobe. Space behind is divided into irregular compartments by casual walls that reached roof high & were packed solid with rubblework. Posts had been placed 1<sup>st</sup> & rubble packed about them. Mud alone filled space @ <sup>rear</sup> middle of rock & @ E. end. Fronting stonework looks like a buttress (NGS. Neg. 3011B, Martin, 1920). Sheep & goats had sheltered behind.

2 exposures of prepared adobe bank, @ E end of rock & in middle, 2-5' in front of buttressing masonry & 3-10' outside overhang, may mark mud embankment entire length of cave & below its floor level.

Buttressing stonework built upon a terrace, av. 25' w. & orig. 18-20' h., extending entire length of rock & 20-25' beyond <sup>E. end.</sup> Terrace fronted by masonry veneer that sloped cliffward but @ lesser angle than upper buttresses; E end anchored on a s.s. outcropping & W end is lost under recent rock fall 175' dist. & due west. In 1922 we laid bare a 10' ft. section of this front

### Braced-up Cliff - 3

found it of Type 3 masonry — single courses of dressed friable s.s. separated by 3-10" bands of laminate s.s. Behind veneer, solid rubblework that presumably extends to cliff. (NGS. Negs 15864A, 15865A; NMJ, 1922) c

In late Aug. 1923, after finding pavement under foundation walls outside R. 184, we cut a 5'-w. trench to meet terrace wall @ right angles. Pavement, a fairly uniform, floor-like surface 2' below base of R. 184 foundation extends to terrace front & there underlies an 8'-high bank of adobe mud that slants up & back toward <sup>cliff</sup> wall. Mud exhibits horizontal & vertical separation lines suggesting it was packed in sectionally. In this <sup>terrace wall</sup> exposure, less banding than in 1922 section; more friable s.s. & chinking with laminate chips in manner of 2<sup>nd</sup> type masonry but in lesser degree. Base of wall veneer not bared but it doubtless extends to pavement. Below latter, hard sandy clay of valley alluvium + some queer lumpiness; above it, 4' of

### Braced-up Cliff - 4

wind-blown sand & water-laid sandy clay overlain by 20-24" of fallen wall masonry (NGS. Neg. 23333A; Oct 1923). Trench was fenced temporarily @ end of season.

In 1924, while baring outside foundation complex, (NGS. Negs. 28624A, 28584A; Oct. 1924) we found their abutting W end overlain by 20" of constructional waste + 5-10" of blown sand & charred wood, & c 2 ft. of fallen masonry above. On top of all & only a few ft. distant fr. T.B. were several large frags. from latest rock fall & lay only 3' fr. outer NW cor. of R. 189. Their fresh, unweathered appearance & sharp edges led N.H. Darton in 1922 to estimate age of fall as "fairly recent."

Outside foundations overlie earlier cliff-fall outside Rs. 188-189 & under NE cor. of R. 297.

Described in "The Braced-up Cliff @ Pueblo Bonito" - S.P. Ann. Rep. for 1958 (1959).

Braced-up cliff - 5

N.G.S. Negatives

3011B -	Chas. Martin, 1920	3/4 view fr. E.
32441A -	" " "	cliff & terrace fr. front.
15864; -865A	NMJ, 1922	Terrace face; cave & masonry above
23319; -332A	" 1923	W end founda. complex & rock fall.
23323A	Oct. "	trench & foundations fr. N. cliff.
23333A.	" "	" , pavement & adobe bank
4304B	Ed. Wisherd "	" , founda. walls & PB fr. N. cliff.
28467A	Oct. 1924	E end of cliff
28584A	" "	trench & founda. complex fr. N. cliff
28624A		

N.G.S. Negatives 7656A, 7659A, 7670, 7679, 11850, 11912,  
11923, 11924, 11925, 39551, & 39599 & also, 7640A, 7641A.

Kiva A (20cds)

6/21/21

Largest kiva in P.B., is one of the super-kivas peculiar to Chaco culture. Previously unexcavated. Only evidence of earlier digging is on W. side where trench has exposed 5' of wall. Rosewood 4' h. stood in kiva depression; fallen masonry had accumulated around periphery; blown sand & adobe, blown & washed in, approx. 4' deep in middle. We salvaged larger blocks for wall repairs.

At floor level, 45'1" dia.; above benches, 51'10" N-S, 52'1" E-W. Estimated ceiling height, 9'7". Highest standing wall @ W. side, stands 11'5" 8" above upper bench; 11'5" above floor. Here, 3 ~~poles~~ <sup>decayed poles</sup> av. 3" dia. show in wall 6'2" above bench or 9'7" above floor. Had burned off to just within face of wall. We replaced them during 1921 repairs.

Blocks of laminate s.s. with intermittent banding. Comparatively few blocks of dressed s.s. employed. Stairway @ N. leads to R. 1480

Benches. At base of wall, 3 encircling benches that merge into one another at irregular intervals; are irregular as to width & height. Taking E jamb of N. stairway as 12 o'clock, reading clockwise,

Kiva A - 2

The bench variations are as follows:

		12 o'clock		1:30 o'clock		3:00 o'clock	
		w.	h.	w.	h.	w.	h.
a	lower	12"	7"	13"	7"	13"	7"
b	middle	11"	10"	9"	19"	13"	26"
c	upper	15"	17"	19"	7"	17"	5"
totals:		38"	34"	41"	33"	43"	38"

		5:00 o'clock		6:00 o'clock		6:45 7:00	
		w.	h.	w.	h.	w.	w.
	lower	13"	13"	13"	8"	13"	} 20
	middle	10"	13"	10"	12"	7"	
	upper	16"	12"	17"	2"	19"	19
totals:		39"	38"	40"	22"	39"	39"

## Kiva A-3

Bench variations, continued:

Position:	7:30 o'clock		7:40		8:00 o'clock		9:10 o'clock	
	w.	h.	w.	h.	w.	h.	w.	h.
lower	20"	19"	41"	35"	20"	27"	21"	25"
middle								
upper	19"	14"			21	10	20"	10"
Totals:	39"	33"			41"	37"	41"	35"

Position:	9:10 - 10:10		10:10 - 11:00		11:50 (W. jamb of stairway)		
	w.	h.	w.	h.	w.	h.	
lower	42"	34"	20"	20"	21"	24"	
middle							
upper			20"	13"	20"	14	av. 14
Totals:			40"	33"	41"	38"	av. 40" x 34"

Upper bench built against kiva wall; middle <sup>bench</sup> built against upper & lower <sup>bench</sup> against middle. Lower has no foundation.

## Kiva A-4

~~Benches~~ Altho h. varies more, width of the 3 is fairly uniform (lower, 12-13"; middle, 9-13"; upper, 15-19") from 12 o'clock to 6:45 where middle narrows to 7" then unites with lower. Upper bench reduced to about 2" h. between 5 o'clock & 6:30. From 6:45 to 7:40, 2 benches only; only 1 (35" h. x 41" w.) betw. 7:40 & 8:00 then gradual division into 2 to 9:10 (lower, 25" h. x 21" w.; upper, 10" h. x 20" w.) to 9:15 where they again unite to form single bench (35" h. x 42" w.) & hold it to 10:10. In face of this single bench, 21" above kiva floor, are 2 square niches, av. 5" w. x 4 1/2" h. x 8" d. From 10:10 two benches (lower, 20" h. x 20" w.; upper, 13" h. x 20" w.) continue to W jamb of N stairway (here: lower, 24" h. x 21" w.; upper, 14" h. x 20" w.) & to E jamb (here: lower, 23" w.; upper, 15" w.). At W jamb, <sup>combined</sup> benches ~~is~~ 24" h. x 21" w. — 2" narrower & 7" higher than <sup>combined lower & middle</sup> E jamb — & upper W bench, 14" w. x 20" w., is 5" wider & 4" higher than its opposite. Upper bench is interrupted immediately in front of 25"-wide stairway & lower ~~W~~ bench probably was. Interruption in upper bench occupied by a step "landing", 25" w. with 15" tread (same as E bench), top of which is 4" above level of middle bench.

Kiva A-5

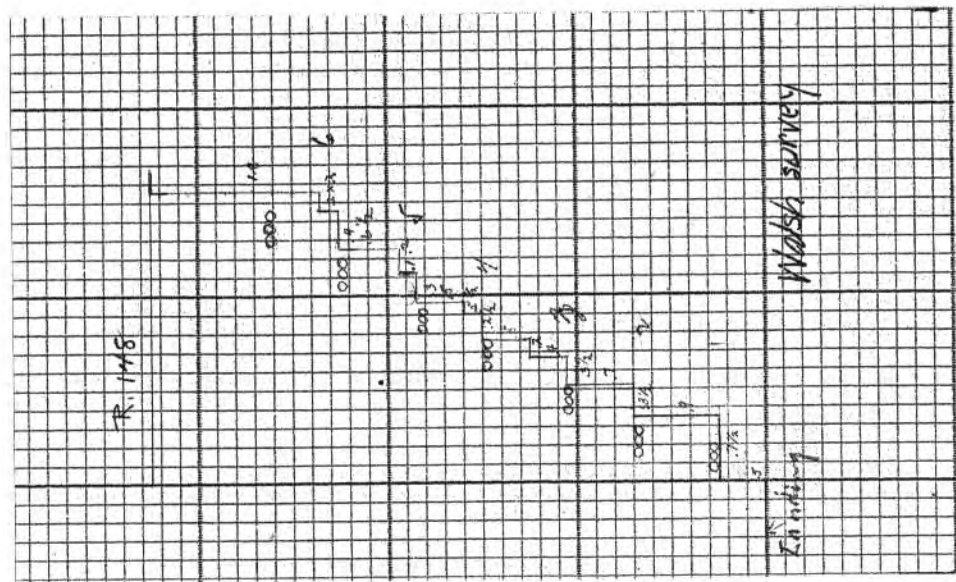
over

Neq. 759A  
1192A

N. stairway of 7 steps <sup>25" w.</sup> leads from 4" h. landing in line with upper bench to floor level of R. 148 (excavated by Pepper). Six of steps are of masonry & av. 9" h. x 6 1/2" d. Three cedar poles  $\approx 1 1/2$ " dia. rest upon front tread of lower step; for remaining 5 stone steps, 3 like poles embedded in stairway jambs @ level of 5 in front increase depth of tread to  $\approx 11"$  @ 7<sup>th</sup> step, of 3 poles only, divided the 21" dist. betw. top masonry step & floor of R. 148. Poles had all rotted but holes they had occupied were plain; were replaced during 1921 repairs. Floor of R. 148 lies 6'6" above landing @ bottom of stairway or 8'3" above kiva floor.

wall niches

Highest standing wall (1921), on W. side, @ 9 o'clock, rises 8' above upper bench or 11'5" above floor. In kiva wall @ av. height of 32" above upper bench are 34 niches av. 9" sq. x 10" d., each capped by s.s. slab. Despite slight variation in size of niches, slab lintels lie in same general plane. In E. half of kiva, 4 smaller niches (av. 5" sq. x 6" d.) lie av. of 19" above bench + a 5<sup>th</sup>



## Kiva A-6

lies 40 1/2" above bench between 3<sup>rd</sup> & 4<sup>th</sup> main niches, clockwise from N. stairway (Oct. 1921 Neg. 7679A) © One of lesser niches is in S. wall above lowered upper bench & opp. N. stairway; there may have been 3 others in now broken <sup>N.W.</sup> W. wall. All empty; none plastered. No trace of plaster remains on walls or benches.

Masonry

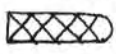
Main wall above benches built chiefly of laminate s.s. with irregular banding in a careless type III style © Except on W side (betw. 8 & 10 o'clock) where highest masonry still stands to height of 11'5" above floor, Kiva A. wall had fallen to <sup>12-24"</sup> below floor level of surrounding rooms. If 3 poles embedded in W. wall 9'7" above floor mark ceiling level & if roof was 2' thick, E & W sides of Kiva A must have stood @ least 12' high. But Atlas Room 148 on N. has floor 8'3" above that of Kiva A.

If R's 146, 148, 149, & those on S, with estimated ceiling height of 7', were closed on Kiva A side their walls must have stood @ least 16' high <sup>above "A" floor</sup>. I doubt that <sup>the</sup> amt of fallen stonework we removed was sufficient to represent 2'-3' thick walls <sup>half again present</sup> ~~to the present~~ height.

But what's the alternative?

In 1924 Zuni repair crew built this block into E wall of West Court, outside Kiva A.

## Kiva A-7

Finds : Surprisingly few artifacts were recovered in Kiva A. It was never used as a dump. In addition to cataloged specs, we noted but left @ the site 2 manos, 1 metate frag., & an incised block of friable s.s.  © Only 1830 potsherds from above floor were tabulated.

Late types of pottery were found below floor level. Also, remains of various razed structures, some with late masonry.

Floors: Lower bench as originally built averaged 12" h. & has no foundation. 3" above bottom of bench is an adobe pavement covering constructional waste & we assumed this to be the original floor. As such we tried to lay it bare thruout the room altho it proved to be irregular in places & often indefinite. In floor & especially in N half of it, were a number of small holes of varying depth & dia., apparent rodent burrowings. They were filled with soft, ashy earth.

Kiva A-8 fill

A cross-section of fill on E side (betw. SE pillar & benches @ about 4 o'clock) disclosed 17 successive adobe surfaces & compacted or ash-darkened sand layers thickest ~~at~~ next benches as tho piled there by <sup>circulating</sup> air currents. Distinct adobe floors as tho to level the sand layers, occur @ 5, 11, 14, & 15<sup>3</sup>/<sub>4</sub> inches above orig. <sup>surface</sup> floor @ SE vault apparently built on 1<sup>st</sup> of these, that @ 5", & the 7"-w. addition to E side of that vault was built on the 9<sup>th</sup> surface (14" above orig. floor) which continues across the lower bench to about the face of the 2<sup>nd</sup> bench. The 16<sup>th</sup> accumulated layer consists of bits of charcoal, burned roof adobe & blown sand 10-14" thick above the SE vault & sloping thence up to top of 2<sup>nd</sup> bench. We judged this layer to <sup>include</sup> be the remains of the ceiling since, above it, the remainder of the kiva fill consisted of blown- & water-washed sand & soil sloping up to top of E wall at E Court level.

Kiva A-9

Roof construction: Decayed remains of 2 large N-S logs lay upon E vaults. Elsewhere about room on same general level were remnants of charred & rotted wood — too far gone to evidence ceiling construction. Presumably paired N-S logs on both E & W pillars with other pairs on top at N & S. Charred ends of 3 decayed cedar poles, 3" dia., embedded 6'2" above bench (9'7" above floor) in highest standing wall on N. side may have extended to main N-S beams, with layers of cedar splints, bark, & mud above. No other section of <sup>kiva</sup> wall equally high; no other embedded poles remain. (we replaced these during <sup>1921</sup> wall repairs). ~~Charred wood~~ <sup>Charcoal</sup> & burned roof adobe in blown sand form layer 16" thick & suggest ~~by~~ abandonment of kiva before its roof fell & burned.

Roof supported on 4 <sup>square</sup> masonry pillars standing on cylindrical bases of irregular stonework in dug holes.

## Kiva A-10

Both base & pillar were built as hollow shells filled with <sup>rubble</sup> irregular chunks of s.s. packed in mud; space betw. base & sides of dug hole filled with loose shale.

SW pillar is best preserved of the 4. Its 4 walls vary: N, 8'9" l. x 15" thick; E, 5'6" l. x 22" th.; S, 7'8" l. x 14" th.; W, 5'7" l. x 14" th. They are finished on the outside only & the rubble filling was strengthened by layers of close-lying small cedar poles that extend thru from side to side. These layers are 8-10" apart & alternate in direction: N-S; E-W. East face of pillar masonry, @ floor level, overhangs by 4" the outside of the cylindrical base which was built in a dug hole bottom of which is 4'3" below floor. The 18" space (on E side) betw. base & side of hole is filled with loose shale. First few courses on W. side of pillar form wall 19" th.; upon this, remainder of wall is 14" th.; both only 18" high. Underlying the thicker <sup>NW corner</sup> portion is exposed part of a large stone, apparently circular & @ 30" dia. x 7 1/2" thick, with

Neq.  
7670A  
11923A

base

## Kiva A-11

edges rounded by pecking. A fan of stones 12-14" above the floor joins SW corner of this pillar to lower benches.

SE pillar is 2<sup>nd</sup> best preserved & shows cedar-pole reinforcement noted at SW. Its 4 sides vary in length & thickness: N, 7'6" l. x 12" th.; E, 5'11" l. x 21" th.; S, 7'8" l. x 14" th.; W, 5'11" l. x 19" th. The outer SE cor., 28" from bench, is rounded. The square masonry pillar stands on a cylindrical founda. built in a dug hole bottom of which is an adobe pavement 34" below Kiva A floor; top of <sup>foundation</sup> pillar 3-4" below kiva floor.

NW pillar, of careless stonework, had collapsed to within 18" of the floor. No trace of reinforcing poles. A test pit between pillar & benches revealed debris of reconstruction dump on a well marked adobe pavement 28" below benches or @ 31" below Kiva A floor. A vertically cut bank thru that debris, with cutting tool marks (digging sticks?) still plain on face of it,

Neq.  
7670A

Neq.  
39157A

## Kiva A-12

emerges from under A. bench @ point 21'8" fr. W. jamb of N. steps & extends thence 7'4" S. (limit of our test), where it is 23" fr. face of lower bench, & NE 4'6" where the bench overhangs the cut bank 11". Altho indicating a much larger diameter, this cut may identify an excavation made in anticipation of a kiva whose remains lie north of the pillar.

The concave face of this <sup>sub floor</sup> kiva's bench, built of dressed friable s.s. & laminate blocks & chinking, had been razed to within 7" of its floor ( $\approx$  23" below that of A) as it passes under lower bench directly in line with W. jamb of N. steps. At opp. end, the razed bench & its floor were cut thru by excavation for <sup>NW</sup> pillar foundation @ point 13'7" fr. W side of N step & 37" from face of Kiva A bench.

Benches This test pit also revealed that the upper 29" of the kiva bench, of larger blocks less well laid, was built on top the orig. 12"-high lower bench & a new floor spread @ level of latter. <sup>above</sup> Upon

## Kiva A-13

This new floor of thin adobe surfaces about bench face & continues SE, underlying W wall of NW vault & establishing lateness of the latter. Irregular stonework of pillar hints @ its reconstruction when floor was raised to top of lower bench.

From the NE cor. of this pillar &  $\approx$  20" above floor level a single course of irreg. s.s. blocks laid in mud extends 4' toward N. stairway.

NE pillar, like that @ NW, appears to have been rebuilt. It stands on a 4'-h. cylindrical foundation built in a dug hole about 1' dia. greater than founda. leaving a 6" space all around to be filled with loose shale. Shale 38" deep or to within  $\approx$  10" of floor level & top of foundation. Square pillar masonry av. 10" h. on E; 14" on W side. Foundation in part rests upon 3'-long <sup>section</sup> ~~part~~ of a kiva bench 3' thick <sup>wide</sup> & razed to within 5" of its floor. This remnant <sup>underlies</sup> lower bench of A @

N. 9.  
39599A

## Kiva A-14

42" below "A" floor

14'7" fr. E jamb of N step where its associated floor is 39" below lower bench; from that point it extends SW 3ft. where it was cut off by excar. for pillar foundation.

neg.  
7649A

3' th on  
E side

The opposite arc of this razed kiva is represented by a section of bench masonry (thin tabular s.s. laid in style suggesting Type III) that passes under bench of 1<sup>st</sup> subfloor kiva at point 8'6" fr. E jamb of N steps & 18" fr. face of Kiva A bench. This earlier subfloor kiva wall is here 4'7" thick & thus includes both wall & bench. Upper 1<sup>st</sup> kiva floor is 23" below that of "A" & floor of lower 2<sup>nd</sup> is 17" deeper or 40" below Kiva A floor. On what appears to be floor of this lower 2<sup>nd</sup> razed kiva & 5'2" in front of & in line with E jamb of N stairway, is a N-S wall 4ft.  $\approx$  15" th almost wholly razed. Beyond its S end is a pile of loose bldg stones & debris from razed walls all about.

possibly side of  
subfloor ventilation  
tunnel?

## Kiva A-15

neg.  
7656A  
7670A

Fireplace & deflector: A masonry fireplace now 23" high stands in line with N stairway 14'6" from S. kiva wall or 11'2" fr. lower ~~step~~ bench. Measures, outside, 5'5 1/2" on N; 5'4" on E; 5'3 1/2" on S, & 5'3" on W; wall thickness: N, 14"; E, 11"; S, 21"; W, 12". Outside corners rounded; inside SW ~~corners~~ square, others concave. Basin clay-lined, burned, & ash-filled.

Deflector, built on 5<sup>th</sup> floor level, 8" above original floor, was later addition. It consists of a 5-post wattle screen 5'2" long to which a 28"-long adobe extension was later added to E end. Screen stands between SE & SW pillars but not quite in line with their S. sides; middle of it is 3'7" from fireplace. Original height not evident.

neg.  
7656A  
7670A  
11923A  
7679A

"Vaults": Sunken vaults or bins were provided against N. sides of SE & SW pillars at time they were erected; 2 others were introduced later & on upper levels betw. these <sup>vaults</sup> & NW & NE

## Kiva A-16

pillars. All 4 evidence repairs or reconstruction.

SW vault is best preserved. It was originally plastered inside & its orig. floor was 30" below that of kiva. Its E & W sides are continuations of those of SW pillar & are of masonry inferior to that of kiva wall & benches, being built of salvaged stone, both dressed ~~laminated~~<sup>friable</sup> blocks & laminate s.s. The E side varies from 11" to 14" h. & in width fr. 26 1/2" @ N to 22" @ S.; its W side averages 22" h. & varies fr. 17" @ N. to 24" w. @ S. Number of dislodged stones does not indicate any appreciable increase in height.

Inside, vault was orig. 9'5" l. x 5'2" w. @ N. & 5'3" w. @ S. Its inner N corners (only 2 we laid bare) are slightly concave. Here, across the plastered N end, an abutting shelf or ledge, 6" deep x 9" h., had been introduced & then almost covered by a clean-sand fill upon which a slab floor was laid. Then, upon the slab & abutting the 4 walls, new masonry

## Kiva A-17

av. 15" h. was built in, reducing inside dimensions of vault to 34" w. @ N, 32" w. @ S, x 6'5" l. on E & 6'3" on W. x 27" deep. Empty.

Sides had, orig. continued N. to inclose companion vault likewise 5'3" w. <sup>inside</sup> but later razed & replaced. S. end of that vault remains, 18" N-S. on E, 15" on W, filled with rubble & blown sand; against the stub walls a block of solid masonry 8'6" w. (4" less than that of razed vault) x 2'7" N-S. on E end & 2'6" @ W was built in to form S. end of a new NW vault on a floor 8" above the original. New vault, 6' w. inside, & sides (E. 15" th.; W. 12" th.) draw in to reduce width to 5'4" @ N. against NW pillar. Here W side of vault, now fallen, was of crude stonework 8" above orig. floor of kiva & is underlain by 9 thin adobe surfaces that extend to & abut kiva bench.

lying upon thick block of masonry betw. SW & NW vaults was a large s.s. slab (2 corners missing) that measures 24" x 33 1/2" x 1 1/2" thick.

## Kiva A-18

SE vault, like that @ SW, likewise had sides originally continuing fr. E & W sides of pillar to form a double vault 11'3" l. inside x 4'3" w. @ S. & 3'4" w. @ N. where inner N end of W side curves to E. There was a possible partition <sup>midway</sup>. After construction & on a <sup>Kiva</sup> floor 14" above the original, E side <sup>of vault</sup> was widened 7"; 12" fr. N. end of this addition & embedded in it are remains of an 8" dia. post. A flat stone, apparently about 1/4 of a circle, underlies <sup>outer</sup> N. end of vault 14" fr. NE cor. As exposed, stone is 17" l. on S. & 10" on W; its edges are rounded by pecking. Card #8 says E side of vault apparently built 5" above orig. floor.

X  
NE vault

From <sup>convex</sup> outer NW corner of SE vault (~~convex~~) & on a surface 6" higher, a wall extends N. to about SW cor. of NE pillar. We found no trace of an E side & assume this <sup>NE</sup> vault addition was never completed. Its W. side is 10" h.

Both NE & NW vaults are later additions, built 6" & 8" respect. above orig. floors & following reconstruction of their pillars.

## Kiva A-19

Subfloor tests in various parts of Kiva A show remains of successive earlier bldgs. on same site. An E-W trench N of Kiva fireplace revealed (1) on a floor @ depth of 20" a firebox 16 x 28" N-S x 14" d., its inner SE cor. underlying W side of E vault 4'11" from NE cor. of "A" fireplace & its inner NE cor. 5" outside same vault wall. It had been filled with clean sand & floored over. (2) 7'5" fr. SE cor. of thick masonry block betw. W. vaults is a 17"-th <sup>N-S</sup> wall & 22" to E, a 2<sup>nd</sup>, 20"th. Both are of Type III masonry & about 29" h.; they rest, with no clearly defined floor, 4'8" below Kiva A floor & are joined by a cross-wall N face of which is 38" fr. Kiva A fireplace. We made no attempt to find ends of these parallel walls.

East of "A" fireplace & @ depth of 30" we exposed a partly razed wall, now 18" h., E end of which is abutted by foundation stonework of SE pillar @ point 5'8" N of SW cor. of pillar masonry. Wall ftg underlies A fireplace.

Kiva A-20

(No. 34551A - 1926)

39551  
39551A  
side of subfloor  
ventilator (?)  
No. 5670  
main - hole  
no. 5670

Hole dug for founda. of NW pillar cut thru arc of a razed Kiva with floor about 23" below that of Kiva A. & foundation of NE pillar cut thru arc of a 2<sup>nd</sup> & earlier kiva with floor @ depth of 42". On floor of this 2<sup>nd</sup> kiva, 5'2" in front of & in line with E jamb of N stairway is ft. of wall 15" th. & almost wholly razed & at S. end of it, a pile of loose bldg. stones with chunks of broken wall adobe all about. Salvage?

The SE pillar founda. stands upon an adobe pavement @ depth of 34". Below E bench & under 20" of mixt debris of occupa. & reconstruction in which we found sherds of Chaco-5J, M.V. & Little Colo. R. pottery, is a 3"-layer of sandy earth & beneath that, an additional 17" of mixt debris of reconstruct. & occupation, a total of 40". Clean sand appears at 5'10".

E of W vaults there is an earlier floor @ depth of 20" (same as that with fp. underlying W side of E vault); below it a 3"-th. sand layer & then 18" of adobe wall fpts on a sandy surface & 16" of sandy earth on a compact sand surface 41" below Kiva A floor.

R. 148 - 8'3"  
5'10"  
below 14" to along around hilltop  
E corner

Feet	Cat. No.	Specimens Name
16	335687	shell beads (3)
128	335358	red paint
171	335192	amber ppt. - calc
176	587	ft. copper ornament
177	336088	foot of deer effigy vessel
178	335405	4 fpts yellow paint
179	388	3 " red "
180	428	9 " white "
181	335466	2 " galena, unworled
182	335657	3 <del>see</del> shell beads
183	335681	11 bone beads
184	335730	4 turquoise beads
185	735	Tung. pendant
186	335732	} 11 fpts turquoise (prewarrior)
187	734	
188	335440	2 arrowpts
188	515	celadite crystal
203	336071	shard with basket imprint
215	088	effigy handle (?) fr. jar
296	335721	shell fragments microscope - ppt.
496	discovered	ppt. ss. jar cover 3 5/8" dia., yellow paint

Kiva A - Specimens

Kiva B. (7 cas.)

7/10/21

Ceiling height: 118" est.

In room series S<sup>1</sup> of Kiva A. Not previously excavated. Masonry is an inferior 3<sup>rd</sup> type — mostly laminate s.s. but with some dressed friable blocks (salvaged?) & inconsistent banding. Diameter @ floor, 21'5"; <sup>upon</sup> above bench, 24'8"; 6' above bench, 27'3". Walls were purposely dished outward or had settled. Highest standing wall, @ N, reaches 9' above bench; here, floor of R. 220 is 9'4" above bench. Bench av. 20" w. x 3'6" h.

On bench, 8 pilasters — consisting of logs (av. 9<sup>3</sup>/<sub>4</sub>" dia.) partly embedded in kiva wall & lined @ sides by small-stone masonry. Several roofing poles had survived, showing construction. Between pilasters 2 & 3, 4 & 5, 6 & 7, 8 & 1, poles in lowest tier lay directly upon pilaster logs; poles of 2<sup>nd</sup> tier rested upon ends of those in 1<sup>st</sup> tier, as 1 & 2, 3 & 4, 5 & 6, 7 & 8. Between pilasters 4 & 5 there were 4 tiers of poles: 2 each in lower 3 tiers, 3 in 4<sup>th</sup>. Between pilasters 1 & 2, 7 & 8 only 2 tiers of 2 poles each remained; in all other instances, 3 tiers of 2 poles each. Longest pole in 1<sup>st</sup> tier, 10'5"; in 2<sup>nd</sup>, 10'10"; in 3<sup>rd</sup>, 11'6"; in 4<sup>th</sup> tier, 12'11". Parked

Kiva B - 2

willows lay between poles of 4<sup>th</sup> tier:

At rear of bench, between pilasters, a broken channel 2-3" wide & av. 3" deep, contains remains of hewn planks set on end & close together. Those next pilasters are best preserved; highest reaches 2'10" above bench. Between planks & kiva wall bunch grass had been packed in horizontally all around kiva. In one place this grass was still present to height of 37" above bench; above this level, kiva wall all around had been burned & smoked by fire. Presumably, grass filling reached to top of domed logs.

Pilaster logs, walled @ sides with small-stone masonry, were partly embedded in kiva wall; forward ends, covered with plaster only, were set back 1<sup>1</sup>/<sub>2</sub> - 3" from edge of bench except #2 which is flush. Depositories for offerings dug into top of each log, nearer wall than forward end, & covered by wooden or stone disk.

## Kiva B-3

(set back 1 1/2")

Pilaster #1 (counterclockwise) is 6" fr. S. recess; is 17" w. x 18 1/2" long; fgt. of hewn & sanded plank 11 1/2" w. stands close @ right; one 5" w. stands close @ left. In top of log, 11 1/2" fr. front end is depository 2" dia. x 3" deep; contents <sup>(orig. #134)</sup>: 18 olivella beads, 7 fgt. shell & bone beads, 26 disc. turquoise beads, 1 fgt. of turg. on bone, 19 disc. bone beads & fgt., 81 fgt. of worked & unworked turquoise, several cedar twigs.

Offering covered by small flat, unworked s.s. tablet.

Pilaster #2, 7'1" fr. #1, is 17" w. x 20" l. to edge of bench <sup>(no set back)</sup>. Close on right, 3 hewn planks, total 14" w.; on left, 2(?) planks, total 16" w. Depository, covered by small flat pc. of s.s. contained (orig. #133): 21 olivella beads (several with bits of turg. under lip), 7 fgt. shell beads & pendants, 8 "fig. 8" bone beads, 15 disc. bone beads & fgt., 11 disc. turg. beads, 49 fgt. of turquoise, & several fgt. of cedar.

Pilaster #3, 6'6" fr. #2, is 20" w. x 17 1/2" l. <sup>(set back 2")</sup>; remnants of planks noted on right for 2'4"; on left, for 14". Depository, covered by wooden disk, contained (orig. #132): 18 olivella beads, 1 misc. shell bead & a fgt., 1 fgt. of a shell ornament & 1 fgt. shell bracelet, 5 "fig. 8" bone beads,

## Kiva B-4

1 disc. bone bead, 7 disc. turg. beads & 17 fgt. of turquoise.

Pilaster #4, 7'0" fr. #3, is 15" w. x 18" l. & set back 2" fr. edge of bench; planks stand for 2'10" to right of pilaster, traceable for 12" to L. Depository, 2 1/2" dia., covered by wooden disk <sup>3 1/4" dia.</sup>; contains (orig. #131): 27 olivella beads, 1 shell bead & 8 fgt., 8 disc. turquoise beads; 137 fgt. of turg. (some tiny chips), 1 lot bird feathers.

Pilaster #5, 7'1" fr. #4, is 15" w. & set back 3" fr. edge of bench; 2 planks, ea. 7" w., stand close @ right, 2 @ left & 2 on top of pilaster. Depository, 3" dia., & covered by wooden disk 3 1/4" dia., contains (orig. #130) 25 olivella beads & 16 fgt. & pendant fgt., 12 disc. bone beads, 16 "fig. 8" bone beads, 25 disc. turg. beads & 1 black stone bead, & 65 fgt. turquoise, worked & unworked.

Pilaster #6, 14" w. x 17" l., is 7' fr. #5 & set back 3"; 2 planks on left total 11" w.; 1 on right, 6" w., others decayed or missing. Depository, 2 3/4" dia. & covered by fgt. sandstone <sup>2 1/2" x 2 3/8" x 1 1/8"</sup>, contained (orig. #137): 21 olivella beads (several with bits of turg. under lip), 1 large shell bead,

## Kiva B-5

8 fpts. of shell or bone beads, 26 "fig 8" bone beads & fpts., 16 disc. bone beads & fpts., 14 disc. turq. beads, 58 fpts. turquoise, worked & unworked, & 2 fpts. piñon nut shell.

Pilaster #7, 14" w. x 17 1/2" l. is set back 2 1/2"; 2 planks on right are 12" w., 2 on left, 10". Depository, 3" dia. & covered by flat s.s. tablet, contained (orig. 136): 16 olivella beads, 8 fpts. worked shell, 12 "fig-8" bone beads & fpts., 5 disc. bone beads, 12 disc. turq. beads, & 36 fpts. turquoise, worked & unworked.

Pilaster #8, 14" w. x 17" l. is set back 2 1/2"; traces of hewn planks noted for 16" to right. Depository, 2 1/2" dia. x 5" d., contained (orig. 135): 18 olivella beads (some with bits of turq. under lip), 2 fpts. shell pendants, 19 "fig-8" bone beads & fpts., 4 disc. bone beads & 1 fpt., 14 disc. turq. beads, 2 misc. bone beads, 68 fpts. turquoise, worked & unworked, 2 fpts. squash seed, & 1 fpt. piñon nut shell. Offering covered by 2 small flat pcs. of s.s.

Smiley, 1952 gave A.D. 1063 for JPB #42 - Kiva B pilaster #4

No dates for JPB #44-45 of Pilasters 2 & 3. 1055 " " 43 " " " #5

## Kiva B-6

South recess, 5'10" w. in front, 6'4" w. @ rear, is 12" deep & 9" above Kiva floor with masonry <sup>sill</sup> continuing across front. Traces of hewn planks @ back, <sup>max</sup> <sup>Kiva</sup> <sup>width</sup> <sup>1'</sup>  
Fireplace, 26" dia. x 18" d., is walled with masonry & flagged with slabs; middle of it is 12'10" fr. N. bench.

Subfloor ventilator tunnel, 18" w. @ W. end & 19" @ E. x 25" d., abuts S. side of fireplace & extends under E bench below pilaster #2 to connect with cylindrical shaft 26" dia. @ bottom & 17" dia. @ present top, 11'5" above bottom. Tunnel is masonry lined, slab floored; its inner SW. cor. is 5'7" from W front of S. recess & 5'10" fr. E. front. Thru middle, tunnel is 16'5" l.; inner S. side is 9'7" l. to where it goes under E bench. Here pole lintels 28" above floor of tunnel support overlying bench masonry.

Subfloor vault, 9'3" l. x 3'6" w. x 25" d. (same as vent. tunnel) lies between fireplace & bench @ W. Inside, the vault is plastered over masonry. Inner SE. cor. is 8'6" fr. E front of S. recess & 5'8" fr. W. front; inner SW. cor. is 11'11" fr. E. front & 7'2" fr. W front, 26" fr. nearest point on bench face; inner NW. cor. is 15 1/2" fr. W front of recess & 22" fr. bench face.

Kiva B-7

Floors: Sill of S. recess is 9" above Kiva floor & walls of vent. tunnel, fireplace, & W. vault are all 5-10" above floor. This suggests a likely floor @ level of S. recess & flush with other features but we detected none. About 6" of shale underlies our floor & clean sand beneath.

On W. foundation of R. 222 E wall abuts the outer curve of Kiva B with the customary, irregularly spaced protruding blocks while the E walls of Rs. 219 & 222 overlie predecessors partly razed when Kiva B. was built.

Kiva B fill consisted of fallen masonry & blown sand. From this we tabulated 4691 potsherds: 16.5% of 4 Old Bonito designs; 60% of 4 Late Bonito types. Chaco-S.J. alone, 15.3%; corrugated-coil, 42.7%.

Field No.	Cont. No.	Specimens	Notes
130	3357933	Plaster 5	red lid
131	934	" 4	" "
132	935	" 3	ft. n "
133	936	" 2	" "
134	937	" 1	" "
135	938	" 8	" "
136	939	" 7	" "
137	940	" 6	□ above lid
138-	336071	shard with basket imprint	
139	discarded	2 shard pottery amorphous	
140	336068	fan lug with fibers cord attached	
141	discarded	4 ft. little handle	
142	335148	three orange deer toe bone	
143	106	" deer hind	
144	062	9 terraces - mammal	
145	063	deer metatarsal - unworked (m2)	
146	062	bone awes - bird & rabbit	
147	441	8 arrowpts (3 ft. discarded)	
148	478	paint chips	
149	discarded	3 ft. clipped scales	
150	3357600	4 paint flakes	
151	406	5 ft. yellow paint	
152	335389	2 red paint stone	
153	642	3 orange fossil scales	

Twice B specimens

Field	Cat. No.	Name
231	336317	bone
351	336091	bottom of orn. jar, inverted
826	discarded	frag. mixed cyp. (?) jar

Twice B specimens

Field	Cat. No.	Name
154	335136	2 fls. claytony (?)
155	511-	2 " " celestite
156	719	3 " blue beads
157	687	3 olivella beads
158	335681-2-3	8 small beads.
159	335531	bronze pendant, unfinished
160	335732 34	11 turquoise frags.
161	335570	6 blue pellets
162	530	small quartz ball 1/4" dia
163	647	medicine stone (?)
164	538	frag. ringless (?)
165	335429	15 pellets white paint
166	discarded	2 frags. outer prongs
167	335062	5 bone beads.
168	discarded	fr. ant-phon vessel
169	335441	2 worked flutes - fr. vessel
170	335709	enough
171	?	shards
172	335570	7 frags. red paint
173	335570 734	2 pellets blue stone
174	335687	turquoise & malachite
224	336353	Olivella bead
		earthenware bowl

NGS. Negs. 11897A (pilasters #8)  
 11954A tp. vent opening, vault  
 11930A excavating (mud) 7/19/21

Kiva C (8 cds)

In SE quarter; not previously excavated altho a pit had been dug against SE wall.

Masonry generally of Type III — laminate s.s. with sporadic banding but on S. & E sides courses of short, thick blocks of dressed friable s.s. are conspicuous. Measures 23'3" dia. @ floor, 27'8" N-S above bench & 27'11" E-W. Highest standing masonry, on E, rises 8' above bench (we restored it to 11' to control drainage) Estimated ceiling height, 12' <sup>10</sup>/<sub>16</sub>.

Bench averages 28" w. x 25" h. On bench are 10 pilasters each consisting of a red cedar log partly embedded in kiva wall & lined @ sides with small-stone masonry. Masonry, <sup>sides</sup> & otherwise bare ends of logs were repeatedly plastered. Roofing poles lay directly upon pilaster logs & lower tier was partly embedded in mud covering pilaster. Between pilasters, @ rear of bench, hewn & abraded pine planks av. 7 1/2" w. x 1" thick <sup>with</sup> were squared edges were embedded upright in a 5" deep channel; behind planks massed bunch grass, as in Kiva B. Av. height of planks, 20"

Kiva C-r

Ten pilasters set back from edge of bench av. of 3 1/2"

No.	width		length overall	log height	depository		
	overall	masonry			dia.	deep	
1	20"	18"	24"	6 1/2	1 3/8	3/8	oval collar <del>3 3/8 x 3 x 1/4</del> 3 3/8 x 3 x 1/4 deep.
2	20 1/2	19	22 1/2	7	1 1/2	1/4	skull collar 3" dia. x 1/4; stone cover
3	20	19	25 1/2	7	?	?	empty.
4	18 1/2	17	24	7	burned out		s.s. cover 2 3/4" dia.
5	22 1/2	21	24 1/2	6 1/2	"	"	no cover.
6	21	21	25 1/2	6 1/2	"	"	empty; no cover
7	21	19 1/2	25 1/2	6 1/2	1 3/8	3/4	sq. collar 3 x 3 1/2; lid gone.
8	20 1/2	19	24	6	1 1/2	1 1/2	" " 2 3/4 sq. wooden lid
9	19 1/2	18	26 1/2	6 1/2	1 3/4	3/4	rectan. collar 2 1/2 x 3 x 1/4 deep.
10	18 1/2	16	26	6	1 1/2	1 3/8	collar 2 1/4" dia. x 1/4" deep; empty

Offerings were found in 6 repositories; the other 4 may have contained perishable offerings, feathers. No offering found in pilasters 1, 3, 6, or 10; no cover found for 1, 4, 5, 7, 9, or 10.

Kiva C-3

(1 3/8" dia. x 3/8" d.)

- Pilaster #1 log was unburned but its depository held no offering, had no cover. Oval collar around circular cup, 3 x 3 1/8 x 1/4" d.
- Pilaster #2 depository, 1 1/2" dia., had collar 3" dia. x 1/4" deep & was ~~partly~~ covered by a s.s. tablet that ~~did not fit~~ <sup>was large for</sup> collar. Cover had been thickly ~~covered~~ <sup>covered</sup> with mud before roof logs were laid & pressed into it. Deposit included (orig. #254): 10 olivella beads, 3 fpts shell beads, 2 broken shell pendants, 2 fpts shell pendants, 8 fpts worked shell, 49 "fig.-8" bone beads, 15 fpts worked turquoise.
- Pilaster #3 contained a repository but no offering. Between roof poles above pilaster was fpt. of a stick wrapped with yucca cord. & between pilasters 3 & 4 a few charred kernels of maize <sup>& misc. scraps of yucca cord</sup> were found between roof poles but neither these nor the wrapped stick are thought to be offerings.
- Pilaster #4 log largely destroyed by fire. The depository was destroyed but its cover, a s.s. disk 2 3/4" dia. was present. Also: 10 olivella beads, 3 fpts shell beads, 4 fpts worked shell, 1 fpt shell bracelet, 7 "fig.-8" bone beads, 1 small disc. bone bead, 7 fpts worked turquoise - all burned.

Kiva C-4

JPB # 38 - pilaster & log gone AED #1120 (Smiley, 1952)

- Pilaster #5 log was thoroly burned; no cover found but the following offering, all burned, was recovered; 2 olivella beads, 2 fpts worked shell, 4 fpts shell bracelets, 3 "fig.-8" bone beads, 2 broken disc. beads & 4 fpts worked turquoise.
- Pilaster #6 log also thoroly charred; no offering & no cover but a bone awl had been left upon front end of log & buried in mud plaster. Fpts of shale <sup>(3" x 3 1/2")</sup> lay on either side the log.
- Pilaster #7. A nearly square collar had been cut about the depository cup for a cover but the latter was not found. In the cup the following offering: 3 olivella beads, 2 fpts shell beads, 3 fpts worked shell, 8 "fig.-8" bone beads, 3 fpts worked turquoise.
- x Pilaster #8 log had a repository 1 1/2" dia. x 1 1/2" d. covered by a wooden disk 2 1/4" dia. set in a collar 2 3/4" square. From the cup we removed 2 fpts shell, 1 fpt shell bead, & 2 worked fpts of turquoise.
- Pilaster #9 log was fairly well preserved. Its repository, 1 3/4" dia. x 3/4" d., was collared by a nearly square (2 1/2" x 3" x 1/4" d.) fitting for a cover. Latter not recovered.

Kiva C-5 (in cup  $1\frac{3}{4}$ " dia. x  $\frac{3}{4}$ " d. in collar  $2\frac{1}{2} \times 3 \times \frac{1}{4}$ " d.)

Pilaster #9 offering, included: 4 olivella beads, 4 fpts shell beads, 5 fpts worked shell, 3 fpts shell bracelets, 1 shell pendant, 5 "fig-8" bone beads, 1 fpt worked turquoise. No cover.  
Pilaster #10 depository was empty. It measured  $1\frac{1}{2}$ " dia. x  $1\frac{3}{8}$ " d. & accompanied by a collar  $2\frac{1}{4}$ " dia. x  $\frac{1}{4}$ " d. but no cover was found. Absence of offerings here & in other pilasters might mean pilfering or use of perishable materials, like feathers.

South bench recess is  $4'9"$  w. x  $13"$  d. @ E end &  $10\frac{1}{2}"$  d. @ W. end, rear of recess is  $15"$  fr. kiva wall @ E. end,  $17\frac{1}{2}"$  in middle, &  $16"$  @ W. end. A bench foundation of large blocks of s.s. continues bench curve across front of recess below floor level. 12 coats plaster, totaling  $1"$  counted on face of bench but wall above bench apparently not plastered. But excess mortar obviously spread over masonry in places.

Kiva C-6

Fireplace,  $22"$  dia. x  $10"$  d., lined & rimmed with mud (center is  $8\frac{1}{2}"$  fr. back of S. recess), had been built in a hole dug into the ash-fill of a larger firepit,  $29" \text{N-S} \times 32" \times 15"$  d., oval in shape & rimmed by slab fpts laid flat with a low adobe collar on top. Smaller fp. likewise filled with ash.

Ventilator opening,  $14"$  w. x  $18" \text{N-S}$ , south of fireplace (S. edge  $5\frac{1}{2}'$  from back of S. recess) connects with tunnel  $19"$  w. x  $33"$  d. that underlies S. recess & connects with outside shaft,  $20"$  sq. at intake &  $4'$  from inner face of kiva wall. Tunnel is paved with s.s. slabs, roofed with small poles supporting split cedar & mud to floor level. Passage had become filled with blown sand.

Subfloor vault W of fireplace measures, inside,  $37"$  w. @ S.,  $41"$  w. @ N. x  $7\frac{1}{5}"$  l. on E &  $7\frac{1}{8}"$  l. on W side. Average depth,  $17"$ . Masonry walls well plastered; corners concave. An offset or shelf  $3"$  below kiva floor on E side is  $4\frac{1}{2}"$  w. @ N. &  $8"$  w. @ S.; a similar shelf on W is  $2\frac{1}{2}"$  w. @ N. but gradually thins out & disappears  $25"$  fr. S. end. In E wall, 2 rounded blocks of friable yellow s.s. partly disintegrated.

## Kiva C-7

Vault filled with clean sand & had been floored over when kiva was last paved.

fill

Fill consisted of blown sand with fallen masonry on top. A foot of sand had collected on floor before charred roof poles had slipped off pilasters; flat, middle portion of roof lay upon sand accumulation, poles E-W. Above this layer 3-4 ft. of blown sand had collected before masonry began to topple. Several pilaster logs had burned but not all roofing poles. No dump in C. Very few artifacts recovered. Chief damage by fire @ N side; pilasters 4-6 burned out.

Kiva C bench, without founda., built upon 3-ft. deep fill of broken friable s.s. loosely laid in mud resting upon partly razed sub-floor kiva masonry. This, below Kiva C south recess.

## Kiva C-8

9/18/26

Floor of razed kiva, appar. 3<sup>rd</sup> type, @ depth of 7 ft. Bench facing removed; probable h., 38"; width, c. 28". Face of main wall also removed but core stands c. 3' above <sup>its</sup> bench & was utilized in foundation of Kiva C<sup>A</sup> bench. Inside S. end of arc we exposed <sup>concave side to W</sup> is 9'5" fr. E front Kiva C south recess & 6'1" fr. Pilaster #2; N end passes under Kiva C bench 17 1/2 ft. fr. Pilaster #2. <sup>(or 2 1/2' fr. E front S recess)</sup> Subfl. kiva filled with mist debris of demolition & blown sand.

D-15 drawing of Sub-fl. kiva does not agree with above figs.

Kiva C		specimens	
Field No.	Cat. No.	Name	
241	336100	pottery disc - subfloor	
243	335442	2 flint arrowpts	
244	— 064	bone awl	
245	— 667	olive leaf bead - bench betw pilasters 9 & 10 <sup>units</sup>	
246	discarded	1 pt steel awl	corrected
247	335734	2 pts turquoise	"
248	335941	Plaster 9 offering	"
249	— 942	" 8	"
250	— 943	" 7	"
251	335064	" 6	"
252	335944	(bone awl betw poles on pilaster) Plaster 5 offering	corrected
253	— 945	" 4	"
254	— 946	" 2	"

Kiva D. NBS. Negs. 11877A, 11878A, 11904A, 18430A text condensed & rearranged 1954. 6 cards See Ruppert letter of 9/21/21 8/28/21

Southeasternmost of PB kivas. Not previously excavated. Masonry mostly of laminate s.s. with irregular banding; limited use of dressed friable blocks, chiefly on E side. Upon excavation, S. wall stood 6'4" above bench; N wall, 8'4". Here, @ N, we added 3' during 1921 repairs to approximate orig. height & improve drainage. Estimated ceiling height, 13'.

Diameter @ floor, av. 26'6"; above bench, 30'8". Walls & bench plastered; 19 coats on bench face total 1 3/16".

Bench av. 24" w. x 28" h. Ten pilasters were hewn logs av. 16" w. x 7" h. plastered directly upon wood with no masonry @ sides. Plastered log ends set back av. 3 1/2" fr. edge of bench. Since fire had destroyed roof & most of pilaster logs we removed remains of latter during 1921 repairs & filled spaces with inset masonry. Depositories had been present but we found them in only 7 logs.

South bench recess 5'3" w. in front, 5'5" w. @ rear, 15" d. x 28" h.

Ventilator opening, 18" E-W x 17", in floor 5'8" from rear of recess, tunnel, 18" w. x 30" d., masonry lined, with N. end 7'1" fr. rear of recess.

### Kiva D-2

was roofed with split cedar @ height of 23" (7" below kiva floor).  
Duct connects with 12 x 16 1/2" E-W shaft built in kiva masonry  
@ outer NE cor. of R. 227-I. Vent opening rimmed with stone to hold sunken slab.

On bench @ N, betw. pilasters 5 & 6, a basin 4' 6 1/2" l. x 11" w.  
x 5" deep, neatly plastered inside & plaster continuing with that  
of wall above. Its ends & S. side slope inward, reducing its  
floor to 4' 1" l. x 9 1/2" w. Basin filled with clean sand.

Subfloor vault, 8' 9" l. x 3' 5" w. @ S & 4' @ N. x 19" d. on W side  
of kiva, its floor ill defined. Inner SE cor. is 8' 4" fr. W front of  
S recess; inner SW cor. is 3' fr. bench face & NW cor., 3' 3". On E & W  
sides an offset 4" w. <sup>2" dia.</sup> single poles embedded in sides just below  
offsets, 24" fr. N. end & 25" fr. S. A "shelf" 16" <sup>N-S</sup> x 3" deep @ N end  
of vault & another, less well defined @ S. end. Vault had  
been filled with clean sand & floored over without removing  
the 2 poles. Was refilled with broken rock & sand as aid  
to drainage @ conclusion of 1921 excavations.

*repaired*

### Kiva D-3

Subfloor passage to R. 241B: 22" w. x 32" d. Inner SW cor.  
is 11' 4" fr. E front of S. recess, 9' 6" fr. inner NE cor. of ventilator  
opening & 3' 2" along S. side to bench betw. pilasters 2 & 3; inner  
NW cor. is 3' 7" along N side of passage to same bench face. Passage  
originally paved with slabs; 2<sup>nd</sup> floor, of adobe, 7" higher; roofed  
with poles about 6" below kiva floor. Length of outlet not indicated.  
At W end of passage a block of masonry 26" l. x 5" w. @ bottom  
built against S side; 26" above slab floor this block reduced in  
width to 2 1/2". Purpose unknown but ~~is~~ embedded in its N. face &  
<sup>across to</sup> N side of passage is a hewn plank, 7 1/2" w., forming step 12 1/2" h.

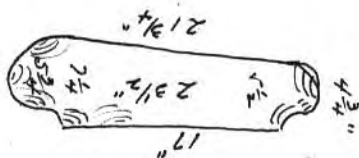
3 masonry steps lead from E end of passage to R. 241B  
#1, 7' 9" fr. W. end of passage, is 16 1/2" h. from adobe floor & has 8"  
tread; #2 is 15" h. with tread 8" w. @ N. & 11" @ S end; #3 is 16" h. with  
15" tread whose front edge is hewn plank 1 1/2" th. x 5 1/2" w., backed by  
a 2" dia. pole & remainder of tread made up of masonry, like #1 & #2.  
Step #3 is 7" below R. 241B floor offset & 41" below <sup>door</sup> lintel poles.

## Kiva D-4

A 2<sup>nd</sup> series of lintel poles, 5 in number & av. 5" dia., lies 14" below the upper series & beginning 25" fr. W wall of R. 241B, extends @ same level 2 1/2' to W (4'7" fr. R. 241B); from that point lintel poles extend downward at angle corresponding to slope of steps to meet the hewn cedar plank lintels that support kiva bench over the passage. Large blocks of s.s., some 5" th., are conspicuous in upper half of stairway walls.

over -  
(ed. 227)

Repository #1 A shaped slab fgt (part of a door slab) 6 1/2" w x 23 1/2" l., was noted embedded in kiva floor 20'1" fr. W. front of S. recess & 6 1/2' fr. inner NW. cor. of subfloor passage to R. 241B. Slab was notched @ each end on 1 edge. Beneath it was masonry lined box 6" w. x 20" l. x 12" d. in which we found several fgt's of turquoise & shell; also, impressions of 2 round sticks, probably pashor, in water-deposited mud half filling the box. The concave E side of box proved to be a kiva wall.



## Kiva D-5

Subfloor kiva 21'4" dia., with floor 6'1/2' below that of Kiva D. Inner wall curve passes under N. bench @ point 26'7" fr. E front of S. recess & under W bench 21'9" from E front, S. recess. Masonry of this subfloor kiva, 26" th., composed of laminate s.s. both dressed & undressed friable s.s. The latter, when in courses, consists of blocks thicker than usual in 3<sup>rd</sup> type walls nevertheless I'm classing the kiva as 3<sup>rd</sup> type. It may never have been completed for the bench is lacking & masonry ends @ floor level. An earlier floor or pavement, of compact adobe & whitened, extends beyond the subfl. kiva walls @ a depth of 5" c. (Reg. 11878A)

Repository #2. Tracing the wall of this subfloor kiva, Ruppert discovered a 2<sup>nd</sup> repository, a crude masonry box 9" dia. & c. 10" d., under the Kiva D floor. The inner curve of the box lies 9'8" fr. the E front of the S. recess & 4'5" fr. the inner N.W. cor. of the passage to R. 241B. Contents, a fine offering, Field No. 226c

## Kiva D-6

Fill: Blown sand covered floor; more sand & clay in layers, both wind- & water-deposited, to av. depth of 2 ft. Upon this accumulation, remains of the roof its charred logs @ approximate bench height. Above these remains, fallen masonry & blown sand. Roof construction, to judge from foto, consisted of horizontal poles in 2's & 3's extending from alternating pilasters. A large s.s. slab, 4'5 1/2" l. x 10 3/4" w. x 1 3/4" th., @ 1 end & 14" w. @ other x 1 3/4" th., lay on floor near ventilator opening.

Finds include the 2 subfloor offerings, 2 oak loom bars (228), & varied objects & rejects. Offerings were recovered from Pilasters 1, 2, 3, 4, 8, 9, 10 (307-313) c

Kiva D		specimens
Field	Cat. No.	Name
223	335921	S.S. pigment plate
225	335872	Pumice, unworked
226	335955	Subfloor deposit No. 2
227	— 954	" " No. 1 (fixed)
		<del>alt. plaster "P"</del>
228	335284	2 oak loom bars.
229	335833	Smoothing stone
230	335909	mano
307	335947	Pileator 1 offering
308	— 948	" 2 "
309	— 949	" 3 "
310	— 950	" 4 "
311	— 951	" 8 "
312	— 952	" 9 "
313	— 953	" 10 "
314	335065	bone and detor. poles on Pil. 10.
315	335421	" " - turkey - point tipped in red
316	335065	" "
317	335407	7 lbs yellow paint
318	335390	197. red paint stone
319	— 556	2 unfinished pendants
320	335734	2 lbs. turquoise, worked

### Kiva E. square.

Inclosing platform covered R. 253, partly raged & filled. Roof of R. 255, in SE. corner of square, was at platform level. Room 254, @ S., apparently a temporary structure.

Masonry of E. wall appears rebuilt, near 3<sup>rd</sup> type; small laminate s.s. with discontinuous bands of thicker laminate & dressed, friable s.s. South wall, abutting E., constructed chiefly of large blocks of dressed friable & undressed laminate s.s. laid in courses with thinner blocks between — material probably salvaged from raged walls. This wall overhangs S. wall of subterranean R. 255 & rises, in broken condition, 8' above terrace.

Door in E. wall 21" above platform floor & 8' fr. SE. corner of square was 23" w.; it had been blocked from R. 246 B. with stones on edge. Newn planks formed its sill; upper portion fallen.

Kiva E. <sup>2 corals</sup> NGS. Neq. 11922A; 11942A

8/17/21

North of Kiva C but @ lower level, not previously excavated.  
Diameter av. 17'; above bench, 21'3". Ceiling height, 8'7" est.  
Walls stand 7 1/2 ft. above bench; wall, 30" thick.

Bench av. 26" h. x 27" w. On it, 4 masonry pilasters av. 34 1/2" w. x 23" l. x 5'10" h.; set back 3-4". Nos 1, 2, & 4 slightly wider @ rear. Masonry = 3<sup>rd</sup> type but with irregular banding that includes both laminate & dressed friable s.s.; 10 coats smoked plaster noted; most of plaster had fallen.

South bench recess 5' w. @ front, 5'4" @ rear. 15" d. on E end, 16" d. @ W. Bench niche, W side, 31" fr. Pilaster #3, 6'8" fr. #4, opening 17" w. x 16" h. & 5" above floor, had stick lintels & 2 upright sticks on N side, (#1) flush with bench face & #2 placed 4" inside. On acct. decayed lintels, niche not cleared.

Ventilator, subfloor; opening, 3'11" fr. rear of S. recess, is 29 1/2" w. x 19" N-S; opens into masonry lined duct 17 1/2" w. x 35" deep, roofed with lintel poles covered by s.s. slabs @ floor level; connects with outside air shaft 17" w. x 20" N-S; inner N. side 6' fr. inside S. wall of Kiva; inner E. side 17'8" fr. outer wall of R. 246.

## Kiva E-2

Fireplace, slab-lined, 22" N. of vent opening, measures 27" w. x 36" x 13" deep; middle occupied by 2 s.s. fire dogs av. 8" w. x 6", their tops @ floor level.

Fill: blown sand 16" d. @ mid-floor, sloping to bench level; above sand, fallen wall masonry + more sand. In this fill & in vent. duct, small quantity of potsherds & misc. objects listed in field catalog; also, 1 large metate & frags of 2 others, 3 manos, & several s.s. slab frags.

Subfloor: Earlier floors @ depths of 14", 17", & 20" disclosed by pit dug SW of fireplace & filled with stone to provide drainage.

Kiva 7

N.S. Naq. 18661A, 18663A, 18664A, 18643A, 18644A

8/5/22

North of Kiva E; not previously excavated.

Diameter @ floor, 21'8". Ceiling height, 9½ ft. est.

Masonry: 3<sup>rd</sup> type, bands of large friable s.s. with 8-10" courses of small laminate s.s. between. Highest standing wall, on N., 8½' above bench. No trace of plaster above bench; wall av. 30" th.

Bench av. 26" w. x 29" h.; composed of uniformly small stone larger blocks on top. Bench face plastered; top heavily plastered. On bench, 6 pilasters; each a squared timber av. 14" w. x 10" h. plastered front & sides, set back 3-4" fr. edge; no side masonry. On bench between pilasters broken surface & decayed wood evidence former screen of upright hewn planks. In bench face below Pil. #6 & 13" above floor are 2 pole ends, av. 3" dia. Each pilaster except 4 & 5 held a sacrificial offering, chiefly minute frags. of turquoise.

South bench recess 4'10" w. in front, 5'3" @ rear; 14½" d. on E. & 16" d. on W. 7'2" fr. rear of recess is opening from subfloor ventilator, 20" w. x 14" N-S. Associated duct, masonry-lined, is

Kiva 7 - 2

20" w. x 33" d., floored with slabs & roofed with small sticks & mud @ floor level, turns @ angle to connect with vertical air shaft, 22" x 17" N-S, in solid masonry @ SW corner of Kiva 7, square. From its N. end W side of vent. duct extends 4½' toward middle of S. recess then SW 35" to pass under bench ca. mid-way betw. S. recess & Pilaster #6.

Fireplace, 20" N-S x 28" E-W x 9" deep.

Subfloor vault W of fp. is 8'1" l. x 24" w. @ N. end & 2'9" @ S.; N. end broken down; filled with granular adobe & floored over. Inner SE cor. 5'1" fr. W front S. recess; inner SW cor. 6'1" fr. W front & 24" fr. bench face; inner NW cor., 2'8" fr. bench face betw. pilasters 4 & 5. No subfloor tests.

Finds: Besides cataloged spec., 1 trough metate 11" w. x 12" x 4" th., 2 hammers, & 2 manos. These left in the kiva.

NW corner of enclosing square is former dwelling; walls of 3<sup>rd</sup> type masonry, plastered & whitened; N jamb of former door 5'7" fr. corner; convex curve of Kiva 7 abuts N. wall 4'3" fr. corner. Acc't cramped quarters, no effort made to find floor. A few corrug. & Chaco sherds in fill.

Kiva 7-3

10/20/27

Subfloor test @ N. end failed to reveal 2<sup>nd</sup> type wall noted under Room 251. Here Kiva 7 bench stands on foundation 23" & this, in turn, rests upon foundation-like stonework 3'5" h. that curves concavely with bench face. At depth of 7'9" a well-made floor covered by 3' of occupational debris; sand above. Fireplaces noted @ depth of 7 1/2 ft.; another, unplastered & rimless, 3'7" dia. x 18" d., noted 6" below Kiva 7. floor.

Kiva 7		specimens
Field Cat. No.	Name	
777	335771	jar cover - subfloor
778	—066	✓ bone awls
779	—149	bone scraper - deer bone
780	—491	flint "speardend"
781	—443	" arrowph
782	—769	1/2 stone fingering
783	—648	quartz pebble
784	336079	green paint (?)
785	335732	3 pts turquoise
786	—681	bone bead
787	discard	1 qt. jar cover
788	335918	Pileaster 1 offering
789	—907	" 2 "
790	—968	" 3 "
791	—959	" 6 "
808	335849	hammer

Kiva G

8 cards

Rearranged  
& clarified  
3/30/62

NGS Negs. 22614A, 15623-24, 15626  
15631, 15632, 15633-33.

8/21/22

Located in NE quarter, S. of R. 62 & E. of 64. Not previously excavated. Was filled to wall height chiefly with blown sand & topped by material thrown off out of R. 62.

Diameter @ floor av. 21'5". Estimated ceiling height, 11' @ Bench has 6 pilasters. At SE, betw. pilasters 2 & 3, wall stands 8'3" above bench; @ NW, 8'10" & averages 16" thick.

2<sup>nd</sup> type

Masonry evidences successive alterations. West 3/4 is of laminate s.s. chinked in 2<sup>nd</sup> type fashion; remainder, from N. side of pilaster #1, to just short of #3 & uppermost 2 1/2 betw. #3 & 4 (fallen beyond #4) are clearly later introduction, rebuilt with salvaged stone, including dressed friable, in an approach to Style 3, banded (NGS Negs 18633A, & 18652A) @ Lower 3-4' of wall plastered with mortar leaving.

3<sup>rd</sup> type?

Bench, av. 35" w. x 24" h. Upper half of facing rebuilt in 3<sup>rd</sup> type masonry & plastered, 1<sup>st</sup> with adobe mud & thereafter repeatedly washed with white s.s., rounding off with floor. 21 coats counted betw. pilasters 2 & 3 @, surprisingly.

Kiva G-2

They show a minimum of smoke stain.

On bench, 6 pilasters av. 33" h. x 18" w. x 10" h. @ front end (including plaster on top); are set back av. of 2". Each incloses section of log 8-10" dia., sunk into bench 2-4", veneered @ sides with small-stone masonry, & thickly plastered. Lower 3 1/2 ft. of kiva wall had been plastered once but this was concealed by grass packed in behind posts (av 3" dia. set av. 5 1/2" apart) standing @ 8" fr. kiva wall betw. pilasters. Paired ceiling poles resting upon pilaster logs @ 6" above bench surface crossed in front of these posts. Fire had consumed grass, ceiling poles, & pilaster logs but charred offerings were recovered from all but #3. Tintel poles were visible embedded in rebuilt wall above pilaster #2 & may have been present over the other 5.

### Kiva G-3

Niche in N. bench 5" above floor & 35" W. of pilaster #3 is 29" w. x 9" h. x 13" deep. Its adobe floor had been whitened; its lintel poles had rotted. A  $\Delta$  depression in floor below E side of niche is 12" l. against bench x 11" w. x 1" deep; west of it is another, 38" l. x 11" w. x 1/2" deep. Both may be no more than casual floor irregularities. Here the bench face rests upon what appears to be a section of 1st type masonry (NGS. Neg. 18624A) c

South bench recess, 4'11" w. in front, 5'3" w. @ rear, is 19" d. on E., 15" on W.

Ventilator opening, 15" square, has inner SE cor. 4'5" fr. E front of recess; inner SW cor., 4'6" fr. W front. Opens fr. masonry-lined subfloor duct 15" w. x 37" deep, roofed 14" above its floor with poles overlain by masonry. Vertical vent. shaft, 18" N-S x 17" inside (walls 14" th) rises against S. side of inclosing square with its inner N. side 4'9" fr. inner Kiva G. wall & its E side 13'2" fr. E wall of R. 279B. c


### Kiva G-4

Fireplace 24" dia. x 16" d., lies 23" N. of ventilator opening; a flat s.s. slab embedded flush with Kiva floor occupies most of intervening space.

Subfloor vault W of fp., 8'10" l. on W side, 8'1" on E x 4' w. x 14" d. Shortened E side owing to block of masonry extending along S. side for 22" fr. SE corner. Inner SE cor. is 7'2" fr. W front of S. recess; inner SW cor. is 8'3" fr. W front S. recess & 17" fr. face of bench betw. pilasters 5 & 6; inner NE cor., slightly concave, is 7' fr. W jamb of N. bench niche. Vault was well floored; its masonry walls include larger-than-usual s.s. blocks, those on W. side being set on edge. At discovery, vault was filled with sand & debris of occupation in which we found a small lot of misc. potsherds, 2 hammers, 2 waterworn pebbles, 1 of which shows peripheral pecking, 2 bone awls, half a mano, & a handful of flint & obsidian chips.

## Kiva G-5

Fill: Clean blown sand covered floor - 12" deep against N. bench & 26" d. @ S. Only artifacts found in this sand were 2 incised s.s. blocks (#846) standing together on floor W of fp. Charred ceiling timbers lay upon sand, its surface crusted by heat. Pilaster logs also burned; wall masonry burned & smoke-stained, especially above pilasters - evidence grass was packed in here as well as betw. pilasters. Blown sand had collected above the charred timbers but relatively small proportion of fallen masonry. Walls did not stand much higher.

Finds: Besides cataloged artifacts we noted but left in Kiva G frags of charred reed matting, 1  mans, 1 waterworn pebble, 1 squared s.s. block, & part of a thin tabular metate. Charred offerings recovered fr. all pilasters except #3.

## Kiva G-6

Reconstruction: Kiva G evidences @ least 3 successive rebuildings. (1) What I take to be part of the original is the rebuilt convex middle S. wall of R. 62 & its continuation to the middle E side of Kiva G where its presence later forced a convexity in the W wall of R. 264. This orig. was smaller but built in the same approximation of Type 2 masonry seen in G & in Rs 62 & 264; the arc in R. 62, like the upper NW. section of G was rebuilt in pseudo-Type 3. (2) This orig. was replaced with a much larger kiva with walls 20" thick as evidenced by a section of its plastered inner wall face preserved in the masonry behind the S. recess of Kiva G & in the existing S. & W  $\frac{3}{4}$  of its outer curve. The E  $\frac{1}{4}$  of enlarged kiva abuts the outside of the rebuilt S. wall of R. 62 to within 9'3" of the NE corner of the G square & curving SE, is lost in the stonework 8'2" fr. the NE corner. (3) Present Kiva G was built within the enlarged kiva & with the same

## Kiva G-7

approximation of Type 2 masonry. But an apparent elongation resulted when the builders presumably attempted to utilize some of the E wall of the kiva they were replacing. (4) Finally, & presumably to correct this asymmetry, the E wall of G was replaced with masonry of pseudo-Type 3 from just N of pilaster #1 to just short of #3 where a 7"-deep angle remains 6" above the bench. This replacement was extended NW. to pilaster #4 & doubtless beyond @ a height of 6'4" above bench level. This same pseudo-Type 3 masonry is that utilized in rebuilding the Type 2 walls in rooms to N & E.

NE Corner. Between pilasters 2 & 3 the wall stands 8'4" above the bench. Outside, 7'1" above bench level, are remains of a floor underlying a section of wall razed to its present height of 11". At a point 6'5" fr. the NE corner of the square this partly razed section is overlain by the rebuilt N wall; it

## Kiva G-8

extends thence SE with a southward curve ending in a 5" jog against the E wall 4'2" fr. the same NE corner. Here the underlying floor rounds off with the whitened plaster on the E wall & thus marks the latter as older than both floor & razed wall section. Subsequently another floor was spread over the 11"-h. section, abutting the whitened plaster on both the N & E walls of the corner (NGS. Neg. 18623A - Aug 1922). Both floors were broken thru <sup>perhaps</sup> upon construction of the enlarged kiva, & buried under a rubble fill.

A door, 21" w., & 11" above upper floor, in N. wall 8'5" fr. NE corner opened into R. 62B. Both N & E walls are in near-2<sup>nd</sup> type masonry while their opposite faces favor 3<sup>rd</sup> type.

Field	Dist. No.	Name	specimens
845	335900	55 door slab - (above floor)	
846	— 929	2 nicot stones	
847	— 922	pink mortar	
848	— 772	4 jar covers	
849	— 772	stone sink	
850	— 848	coffe wheel as Hammer?	
851	— 834	Hammer - smoothing stone	
852	335960	Pilaster 1 offering	
853	— 961	" 2 "	
854	discard	" 3 "	
855	— 963	" 4 "	
856	— 964	" 5 "	
857	— 965	" 6 "	
858	335989	jet button	
859	336071	ft earthen pipe	
860	— 072	" "	
861	335918	" stone imple - awl-like	
862	discard	" eye, stone imple	
863	335944	arrowpt	
864	— 067	bone awl	
865	discard	ft bone awl	
866	335934	ft to turquoise	
867	— 681	bone awl	

Kiva H. NGS. No. 16258A  
- 3 cuts.

7/13/22

West of Kiva C, east of 161-162; not previously excavated.

Dia: @ floor av. 18 1/2 ft.; ceiling height, 10' est.

Masonry a mix of 2<sup>nd</sup> & 3<sup>rd</sup> types — thick blocks of dressed friable s.s. alternating with courses of laminate tablets. East wall stands 6'4" above bench; wall ab. 19" th.

Bench av. 18" w. x 31" h. On it, 8 low pilasters 17-20" w.; enclosing masonry @ sides plastered all over. Logs rest upon individual masonry base 2-4" th., flush with bench front; butt ends of logs inserted in wall masonry & packed with low-grade coal or shale; front ends set back 2-4". Each log had contained repository with offering but each had been robbed (only 2 small turq. fpts found in 8 pilasters). No offering cover in place. Cribbed ceiling poles likewise had been removed. JPB # 39, from Pil. 2, gave A.E.D. 1115; (JPB 40) fr. Pil. 8, dated 1054.

S. bench recess 4'7 1/2" wide in front, 5' @ rear, x 13" d. on E, 14" on W.

Subfloor ventilator opening, 15" N-S x 17" w.; its inner SE corner 3'8" fr. E end of S. bench recess; inner SW cor. 3'10" fr. W end of recess.

## Kiva H-2

Vent duct, 18" w. x 28" d., masonry lined. On duct fill, just below floor level, small coiled pot, No. 698. N. end of duct rises to form <sup>masonry</sup> screen 6" h. x 9" w. x 29" long. Fireplace with rounded corners, 20 x 21 x 14" d., lies 11" N. of screen; filled with ashes. Vent duct underlies S. recess but just outside 19" thick kiva wall it turns E @ R to 14 x 15" air intake shaft that abuts N. ~~west~~ end of extended E side of R. 268. In shaft, 8 1/2' above kiva floor (19" below present top) a 2" dia. NE-SW stick apparently supported slab fpts to close or nearly close air passage. Top repaired by NPS, 1922.

Subfloor vault W. of fp. 4' w. x 8' 9" on E & 9' on W x 10" d. Inner SE cor. 3' 4" fr. W front of S. bench recess; inner NW cor. is 16" fr. bench below Pilaster #6. On W side 7" above vault floor is offset 4" w. @ N. & 2" @ S; none on E side. Vault had been filled & floored over.

Tests revealed earlier floors @ depths of 7", 16", 19" (?) & 8' 7". First of these, well defined, covers a razed wall ca 15" w. that continues E under bench betw. pilasters 2 & 3; fp. built against its S. side. This

## Kiva H-3

razed wall, 4-6" h., stands on 2<sup>nd</sup> floor which also goes under E bench. No. 3 floor supports founda.-like stonework 11" h. & 3' fr. N. bench, that also continues under E bench (betw. Pil. 3 & 4) @ Fill to ill-defined floor @ 8' 7" is loose, ashy earth & debris of occupa. slanting down to E & S. In this, bones of mule deer (*Odocoileus hemionus*) & 2612 misc. cherd including 4 OB types (11.4%); 4 IB types (60.2%). Of latter, 20.5% are Chaco-Sanguan; 38.5% corruga. coil.

Kiva H. enclosure: no plaster on corner walls altho plaster survives on S. face of orig. wall @ N side of R. 268. At SE corner is walled bin 26" w. x 35" E-W x 3' 10" d.; its N & E sides slightly convex & E side underlies W wall of R. 230 for 9". W side of this bin continues from W jamb of former door, 27" w., in lower N. wall (below platform) of R. 170. Otherwise this corner filled with s.s. fpts & mud.

Field Cat. No.	Name	Specimens
631	335068	8 bone awls,
632	— 107	tubular bone beads.
633	336112	pottery pendant
634	335635	knives concretion
694	—	1st deep pelvis (bird)
695	335810	Mammals # 261126
696	dissect	chasing stone
697	336100	worked stone
698	— 529	4 pts short pottery ornaments
699	— 355	small coiled pot (undercut)
700	335526	pt. B/W base
748	— 444	slaystone ornament
749	335069	arrowpt <u>subsp</u>
750	— 430	2 bone awls 2 pts white pt.

Kiva I - 3 cds.

NGS. Neg. 16269A

7/14/22

North of Kiva H; not previously excavated.

Dia. @ floor, 15'10"; ceiling height, 9'6" estimated.

Masonry of banded laminate s.s. + occasional blocks dressed on face, 27" thick. Smoked masonry shows where plaster had fallen. Standing walls av. 7'8" above floor. Ceiling poles paired on alternate pilasters, remain on N. side. <sup>3 tiers</sup>

Bench av. 20" w. x 25" h. On it, 8 low pilasters: core logs, walled @ sides with small-stone masonry & plastered all over, extend to bench edge with no set back. Sacrificial offerings in each, No's 660-667. South bench recess, 4'10" w. in front, 5'4" w. @ rear x 18" deep. Front corner of Pil. #1 lies 3 1/2" E. of recess; rear is 7 1/2" away. Middle rear <sup>wall</sup> remodeled; a 16" w. section replaced by wattlework supported by 1" dia. bundles of reeds @ each end & by 2 small upright sticks, 1 @ each side of vent, duct. Upper wall supported by horizontal sticks @ bench level & upon wattlework.

## Kiva I-3

Concave face of subfloor kiva wall, 11' long, underlies Kiva I bench 9'1"  $\nabla$  15'6" from E front of S. recess. A 4-pilaster kiva is indicated. In test hole, a handful of potsherds, chiefly corrug. Near edge of pilaster underlies Kiva I bench 14" betw. Pil. 5 & 6.

Surrounding Kiva I, various walls some with stones protruding as in kiva exteriors; some enclosed by crude rubblework. At NE, 4'8" outside kiva wall, fireplace 26" w. x 33" N-S x 25" d., its floor & lower walls plastered & corners rounded. Later, lower  $\frac{2}{3}$  of fp. lined with slabs on end & surroundings paved with slabs. Fireplace filled with chios & piñon charcoal + charred concobs.

## Kiva I - 2 Subfloor ventilator.

Ventilator opening, 18" w. x 20" N-S, lies 35" from E front of S. recess  $\nabla$  31" fr. W. front. Surrounding opening, a 2" w. rest for slab cover. Vent duct, 23" d., roofed by sticks supporting mud @ floor level; partly filled by debris of occupation. Vent shaft, 12" w. x 15" N-S, rises thru wall masonry 22" outside concave face above middle of S. recess.

Fireplace, 22" N. of vent opening, 21" dia. x 10" d.; is 7' from face of bench below Pil. #2.

Fill: sandy earth & bldg. stones fallen from wall top. Number of stones does not indicate more than 2' additional height.

Finds: Besides cataloged specs., 1 large metate, 3 hammerstones, 2 manos & 3 fpts.; 2 of manos lay side by side on floor W of vent opening. Also, jaw bot of porcupine (*Erethizon eximianthum*).

Test on W side revealed plastered arc of earlier kiva, its bench 10" w. x 31" h.; floor @ depth of 5'3". On bench next NE pilaster (only 1 exposed; masonry; plastered top 18" h.) is oval depression, bench width x 14 1/2" l. x 6" d.; edges rounded.

# Area I Specimens

Field	Cat. No.	Name
649	to Bur. Birds	shell of golden eagle
650	335070	4 bone awes
651	discarded	antler ppt
652	335110	bone awes - the bone, base
653	335145	3 awes
654	335149	ppt, sharp knife
655	discarded	2 ppt shell awes
656	335171	shell fragments, untraced? (shin?)
657	335171	ppt, shell
658	335181	3 bone leads
659	— 734	3 ppt turquoise
660	335166	Pileston, 1 opening
661	— 967	" 2 "
662	— 968	" 3 "
663	— 969	" 4 "
664	— 970	" 5 "
665	— 971	" 6 "
666	?	" 7 "
667	335993	" 8 "
692	— 857	ground, ox-hammer
693	— 516	3 awes crystals

# Area E Specimens

Field	Cat. No.	Name
505	335443	awes pt., station
506	335501	washed plate, "
511	335667	straw
513	— 681	bone lead discarded
514	discarded	pottery another (shin?)
515	" "	ppt antler
516	336345	bone ppt used as table

Kiva J - 4 cds.

NG S. N. Exp. 18662A, 18665A; 16273A, 16265A, 16266A

7/24/22

North of Kiva I; W of Kiva F. Not previously excavated.

Dia. @ floor 21'9"; ceiling height, 10'6" est.

Masonry: 3<sup>rd</sup> type - dressed friable s.s. in bands, courses of laminate blocks between. At S., masonry stands 7'7".

Bench av. 20" w. x 24" h. On it, 8 low pilasters av. 19" w. x 8'5" apart. Core logs walled @ sides & plastered all over; set back 2-3" fr. bench edge. Cribbed ceiling logs had been removed; presumably to expose <sup>also</sup> pilaster offerings. Only that in Pil. #3 (orig. No. 684) contained an offering, or part of it - 5 Olivellas & fpts; 1 disc shell bead; 1 "fig. 8" shell bead; 3 disc bone beads; 3 fpts abalone shell; 1 fpt turquoise, worked. Lowest tiers of <sup>ceiling</sup> logs had been tenoned into wall masonry, indicating their placement while wall was building.

South bench recess 5'4" w. in front, 5'7" @ rear x 9 1/2" d. on E & 13" d. on W.

Fireplace, 8' fr. rear of recess, 27" dia. x 11" d.; partly overlies vent. & duct of subfloor D-shaped kiva.

Kiva J-2

Subfloor ventilator opening 20" w. x 18" N-S; inner SE corner 38" fr. E front of bench recess; SW cor., 41" fr. same corner. Vent had been <sup>covered</sup> closed by s.s. slab. Vent shaft, 13" sq., rises above middle of S. recess, its inner N side 2'5" from concave face of kiva.

Fill: Kiva J used as dump after removal of roof poles.

Finds: Besides carded specs., misc. potsherds, 5 manos & fpts of 3 others, 1 metate, 14 hammers, fpts of 2 dressed s.s. tablets & 2 door-slabs were left in kiva. One of door-slabs had covered vent. opening. Among bones identified: *Ara militaris*, *Ara sp.*; Mule deer (*Odocoileus hemionus*).

D-shaped kiva

Subfloor kiva, D-shaped. Partly razed; flagstone floor @ depth of 3'10"; no bench, no pilasters. Masonry: laminate s.s. heavily plastered. Chaco-type under-floor ventilating system. Vent opening 18" N-S x 16" w. on S. & 29" w. on N, connects @ E end with duct 32" d. extending S.E. & narrowing to 15" as it goes

### Kiva J-3

under wall 5' 16" beyond to irreg. vent shaft (N, 16"; S, 18"; E, 17"; W, 14") raged @ Kiva J floor level. Inner NW corner this shaft is 31" fr. inner NE cor. Kiva J vent opening; inner SW cor. is 40" from E front Kiva J south recess. D-shaped kiva divided by late E-W founda.-like cross wall built on its floor & abutting <sup>its</sup> walls. W side & its S. bench recess, if any, were destroyed upon construction of Kiva J's vent duct & W-side vault.

D-shaped kiva fill: chiefly impressed adobe chunks fr. raged walls. Among this, small quantity of misc. potsherds including brown bowl with pol.-black-interior & other Chaco types.

Fireplace, 26" N-S. x 29" x 21" d, with low, wide adobe rim & rounded corners; stands 13" N. of its vent opening.

A 2<sup>nd</sup> underfloor kiva, apparently of 2<sup>nd</sup> type construction, underlies SW 1/4 (see R. 273 notes), its concave face goes under Kiva J bench 20" & 11'3" fr. W front of S. bench recess. At its middle this 2<sup>nd</sup> kiva arc stands 2'8" from face of Kiva J bench.

### Kiva J-4

Enclosure: Main walls apparently remain from former dwellings but lesser walls are later additions. Long compartment @ SE quarter, E. of R. 271, filled with rubble of s.s. & med. SW corner, N. of R. 273, divided by N-S. wall, 17" thick. That forms E side of 22" w. x 3 1/2' N-S. stair recess leading up fr. R. 273 to Kiva J roof level. Stairway blocked midway by large trough metate presumably fallen in. At NE corner of enclosure, an irreg. chamber 38" w. @ N. x 27" on W & 5'10" on E with 10" w. masonry block @ S. angle abutting convex curve of kiva. N wall abuts E; W abuts N. Main walls built of banded laminate s.s.

<u>River I</u>		Specimens
Field Cat. No.		Name
701	335926	ground ss. splinter
702	— 927	" "
703	— 928	" "
704	— 890	small stone
705	335847	2 hammerstones
	discarded	
706	335773	ss. in corner
707	?	fgt. deer antler
708	335108	tubular bone part
709	discarded	fgt worked bone
710	336089	" probably egg - hammer
711	— 071	3 shards with basket imprint
712	335479	flint disc
713	335492	fgt. chipper blade
714	— 501	sharpened flake, worked
716	336158	shard with "hammerback" flint,
		bone and — surface
1003	335072	

<u>River J</u>		Specimens
Field Cat. No.		Name
668	?	fgt. mammal skeleton
669	335108	tubular bone bead
670	335071	10 bone awls.
671	— 157	bone scraper, deer like fine
672	— 446	12 engraved flints
673	335509	2 worked flakes
674	— 686	tubular bone part
675	— 681	2 discs. "
676	— 687	3 olivea beads
677	— 688	shell pendant
678	335732	} burg. flint. 5 pendants
	— 734	
679	335408	2 yellow pendants
680	discarded	fgt claystone, worked
681	335716	" calcite
682	— 605	" jar (?) worked
683	— 614	antler object
684	335974	flakes 3 opening
685	— 773	jar cover
686	— 236	fgt painted wood
687	— 168	pieces of bone stone

Kiva K. - 3 ed.

8/26/22

Small kiva N. of Kiva J; W of Kiva G. Not prev. excavated.  
Dia. @ floor,  $17'8''$ ; ceiling height,  $9'6''$  est.

Masonry, predominantly laminate s.s. in blocks of varying thickness. Traces of plaster on lower wall. At SE quarter, walls still stand  $8'11''$  above floor.

Bench av.  $16''$  w.  $\times$   $26''$  h. On it, 8 pilasters av.  $16''$  w.  $\times$   $10''$  h., each a round log with masonry veneer @ sides plastered all over; all come flush with edge of bench. Log cores largely decayed but each held a sacrificial offering except #1 & 2. Pilasters av.  $16''$  w.  $\times$   $6'10''$  apart, center to center. South bench recess  $4'1''$  w. in front,  $4'5''$  w. @ rear  $\times$   $12''$  deep.

Sub-floor ventilator opening,  $15''$  N-S  $\times$   $17''$  w., lies  $3'10''$  fr. rear of recess. Its inner SW cor. is  $38''$  fr. W. front of recess; inner SE corner,  $37''$  fr. E front. A s.s. slab sunk to floor level covered vent. Underfloor duct,  $17''$  w.  $\times$   $28''$  d., passed under rear of recess with its inner E side  $16''$  from E front of S. recess; duct masonry-lined, roofed with cross sticks  $20''$  above its floor. Vent shaft,

Kiva K - 2

$16''$  w.  $\times$   $18''$  N-S, rises with inner N side  $12''$  from inside kiva wall above S. recess. Thus, with vent duct  $7'7''$  long, S side of shaft must slope out ca.  $6''$  or  $7''$  fr. perpendicular. Inner E side of shaft is  $5'8''$  fr. E wall of R. 281 B.

Fireplace,  $25''$  E-W  $\times$   $17''$   $\times$   $10\frac{1}{2}''$  d., with rounded corners lies  $17''$  beyond inner N end of vent duct  $\times$   $7'$  fr. bench below Pilaster #2.

Subfloor vault W of fp.,  $3'11''$  w.  $\times$   $7'8''$  l.  $\times$   $28''$  d. Masonry of its N & E sides <sup>rises</sup> ~~extends~~ to its floor; that of S & W sides begins  $10''$  above, on a cut adobe bank. Inner SW cor. is  $5\frac{1}{2}'$  fr. W front of S. recess  $\times$   $10''$  fr. face of bench; inner NW cor. is  $16''$  fr. bench below Pil. #6. At its N end a plastered wall passes under E side of vault  $9''$  fr. its NE corner & thence W to curve abruptly <sup>continue</sup> under N end of vault  $34''$  fr. its NE corner.

Fill: Blown sand covered floor except @ S. between recess & fp. where occupational debris formed limited dump ca  $5'$  w.  $\times$   $3'$  deep. In this, beside cataloged specs, 4 manos, 2 hammers, 1 water-worn pebble, a handful of flint & obsidian chips, potsherds, & deer bones including those of Mt. Sheep (*Ovis canadensis*).

Kiva K-3

Subfloor Kiva: At depth of 22" concave face of subfloor kiva wall, 14"th., passes under Kiva K bench ca 14 1/2 ft. fr. E front of S. recess; razed ca. 8'10" fr. same point. Depth not determined but @ broken S. end of its razed wall is masonry pilaster 19" w. x 10" h, set back 5" fr. edge of its bench. At N end of this subfloor kiva arc, immediately underlying Kiva K bench, is the rough convex curve of a Kiva G predecessor. At S end, sunk into floor of Kiva K ventilator duct, is presumed masonry lined shaft (E, 17"; S, 18"; W, 19"; N, 14") of razed subfloor kiva. Inner SE cor. of shaft lies directly beneath E side of duct & inner NE cor. lies 4 1/2" W of same.

Field No.	Cat. No.	Name	Specimens
945	—		
946	335821	2 Mt. sheep bones (Air. Mammals # 261126)	
947	— 774	abreder	
990	335073	jar cover	
991	— 522	8 bone awls	
992	— 516	adellite crystal, worked	
993	— 476	2 " Flint plate, worked	
994	— 391	red paints	
995	— 409	yellow "	
996	335975	Pilaster 3 opening	
997	— 976	" 4 "	
998	— 977	" 5 "	
999	— 978	" 6 "	
1000	— 979	" 7 "	red
1001	— 980	" 8 "	

Kiva T. <sup>NGS. Acqs. 22668A, 22689A, 22673A, 22674A, 22675A, 22683A, 22684A.</sup>  
23226A, 23227A, 23224A, 23225A, 23229A, 23225A, 23213A; 7/12/23  
W of Kiva R; S. of & partially underlying Rooms 290-291;  
not previously excavated.

Dia. @ floor is 18'. Ceiling height 9'11".

Masonry is 3<sup>rd</sup> type. S. wall stands 11'4" above floor. Cribbed ceiling poles still in place tho settled slightly thru decay; poles covering middle of roof broken & lost; opening used as dummy. Small poles forming top layer of roof embedded endwise in wall masonry 7'9" above bench. Adjoining portions of R. 290-291. S. wall built on 2 parallel logs across N arc of kiva. (#79=1061).

Bench av. 2'6" w. x 26" h.; bottom of it 6" below floor level.

S. bench recess 4' w. in front, 4'3" @ rear x 11 1/2" d. on E, 13" d. on W. On bench, 6 pilasters av. 16" w. x 26" l. x 9 1/2" h. with masonry veneering sides of red cedar logs av. 10 1/2" dia. x 4' long. Distal end each log embedded in rectang. opening av. 19" w. x 10" h. with lintel sticks above each except @ Pil. #2. Presumably after placement of log remainder of opening filled with masonry; logs veneered @ sides with masonry & all plastered. Plaster on end of #2 is 3 1/2" th.; shows 14 layers. All logs cut with surprising accuracy; all

### Kiva T-2

set back fr. bench edge av. of 4". At rear each pilaster & close to kiva wall, 3 upright poles — 1 @ each side & 1 on top. Those @ Pil. #4 stand over 6" above bench; <sup>NGS. 22668A, 22683A</sup> no grass behind as in other kivas. Depositories in pilaster logs especially rich in bone & shell beads, turquoise frags. <sup>(orig. #1187-82)</sup> In Pil. #6, in addition, macaw & other feathers, some tied with cotton cord; also, what appeared to be frags of seaweed (orig. 1192-Mus. No., 335996). Each deposit covered by round or  wooden tablet in rabbetted recess of same size. Covers on Pil. 1 & 6 were plastered over before placement of ceiling poles.

Bench niches: (1) In N bench betw. Pil. 3 & 4, blocked niche 8" above floor is 10" w. x 16" h.; not opened. (2) On W side betw. Pil. 4 & 5, 7" above floor & 13'7" fr. W. front of S. bench recess, opening 11 1/2" w. x 16" h. gives access to niche 33" w. x 27" h. x 18" d., unplastered inside but ceiled with smoothed pine boards; filled with debris of occupa. — ashy earth + misc. sherds & mammal bones.

(3) On E side betw. Pil. 2 & 3, 13'1" fr. E. front S. recess & 9" above floor, opening 11 1/2" w. x 13 1/2" h. gives access to niche 40" l. x 20" h. x 17" d. Inside, unplastered but smoke-stained; roofed with hewn boards.

### Kiva L-3

Roof construction intact except for middle of top layer, lost with collapse. Cribwork began with 3 pairs of logs connecting alternate pairs of pilasters, thus: 2 & 3, 4 & 5, 6 & 1. Second tier laid on ends of 1<sup>st</sup>: 1 & 2, 3 & 4, 5 & 6. Succeeding layers continue this alternation with gradual increase in no. of logs, thus: 6 in 4<sup>th</sup>; 9 in 5<sup>th</sup>; 11 in 6<sup>th</sup>; 30 in 14<sup>th</sup> (see recorded sequence). Total counted, 195 logs in 14 tiers; uppermost (14<sup>th</sup>) completed by 135 shorter pieces extending laterally to kiva wall & their distal ends embedded in the masonry 7'9" above bench. With ca 20 lost @ collapsed middle section, total would approximate 350.

That roof logs were green when installed is evident by compression where tiers overlap. On bench abutting N side of Pil. #2 is masonry support for 19" l. x 16" w. x 12" h., for 2<sup>nd</sup> tier of logs betw. pilasters 2 & 3. Above other pilasters, stones were introduced to distribute weight. Comparable compression noted elsewhere, in rooms & kivas.

### Kiva L-4

"Speaker's tube", small-stone masonry, outside dia. 16" x 12" h., (interior, 1 1/2" x 2 1/2", opens directly into kiva) built on 7 hewn boards inserted @ N angle of 13<sup>th</sup> layer, ca. 7' fr. kiva wall & ca. midway betw. pilasters 3 & 4. Construct. followed completion of top tier (14<sup>th</sup>) since its inner logs & 10" adobe covering had been cut away to admit insertion of the 7 hewn boards. Built upon latter & only 3" fr. the "tube" is a miniature wall of small stones, 20" l. x 3" th. x 6" h., a possible kiva-like enclosure. A second, disconnected section of wall, 6' l. x 9" th. x 10" h., lies upon the 10" of roofing adobe 3'10" W of the "speaker's tube."

Subfloor ventilator. Exit, 18" w. x 15" N-S, in floor 4'5" fr. E front of S. bench recess & 8'10" fr. bench below Pil. #2. Connects with slab-paved duct, 18" w. x 21" d., extending beneath S. recess to connect with vent. shaft, 14" E-W x 13" (inside), 3'7" fr. inner S. wall of kiva & 6 1/2' fr. outer W. side of R. 283. Vent. duct ceiled by hewn pine boards, covered by 3" of adobe flush with kiva floor.

## Kiva L-5

Fireplace, slab-lined & rimless, av. 23" dia. x 11" d., lies 16" N. of ventilator opening.

Screen: 2 s.s. blocks, plastered, stand @ N end of vent. duct. At W end, a shallow depression in floor suggests a pot rest (?).

Subfloor vault W of fireplace is lacking in Kiva L.

Fill: On floor an average of 3" of blown sand suggests brief abandonment before Kiva L became a dump for household debris. In latter, besides cataloged species, were several frags decayed baskets of various size, 5 hammerstones, 4 manos, 3 metates one of which tabular, measured 24 1/2" l. x 25 1/2" w. x 1 1/2" thick with grinding trough 8 1/2" w. x 18" l.; 1 door slab 18" w. x 23" l. x 2" th; frags of 3 other slabs one of which, 7 1/2" w., <sup>(described by Pappas as door sill mold for window jamb poles)</sup> has a 1" notch in each end; a s.s. tablet frag with white paint on 1 side; yellow on other. Also, 4732 tabulated sherd (16% Old Bonitian; 67.3% Late Bonitian), misc. bird & mammal bones, including turkey (*Meleagris gallopavo*), red-tailed hawk (*Buteo borealis*), Swainson's hawk (? - *Buteo* sp.); mule deer (*Odocoileus hemionus*); elk (*Cervus canadensis*); bobcat (*Lynx*), jack rabbit (*Lepus californicus*)  
Above debris, more blown sand & fallen masonry.

## Kiva L-6

Subfloor tests revealed indefinite, possible work surface @ 5".

On floor @ depth of 22", the concave face of a 2<sup>nd</sup>-type (?) kiva 3 1/2' th. (hence both bench & wall) & raged @ 1/2" h., passes under bench below Pil # 4. On floor of raged kiva, thin shale layer; also, on same floor & <sup>extending</sup> passing an undetermined distance beneath the bench is a hewn board, 4 1/2" w.; upon the board & against the bench face is concave-faced masonry block 21" l. x 16" w. x 10" h. abutted by a 2<sup>nd</sup> shale layer 3" thick.

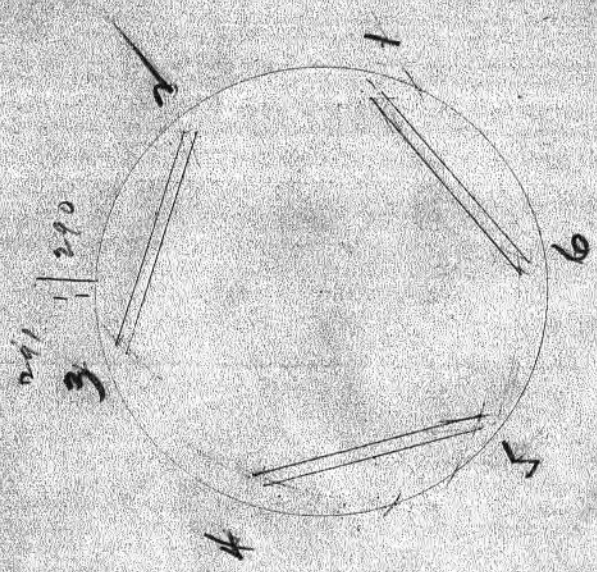
7/29/26: E. Ct. tests show S. of Kiva L vent shaft of 2<sup>nd</sup>-type kiva, 18" E-W x 16", its inner SE cor. 16'8" fr. outer NW cor. of R. 283 & 50'9" fr. outer NE cor. of R. 289. Shaft raged 5 1/2' below present surface, here 5-8" lower than that @ cross-count 3<sup>rd</sup>-type wall. Sub-count kiva masonry completely raged, but <sup>8'8" below present surface</sup> inner N side of shaft stands 4'7" fr. rear of its S. bench recess. Its vent duct had been ciled with cedar.

Of 5 roof poles (orig. # 70-74), one (# 70) dated 1061 by Smiley, 1952. JPB # 79, under S. wall, R. 290-291, dated 1061; JPB # 81 (2<sup>nd</sup> tier) gave 1047; JPB # 93 (Pil. # 1 log), dated by Smiley @ 1011.

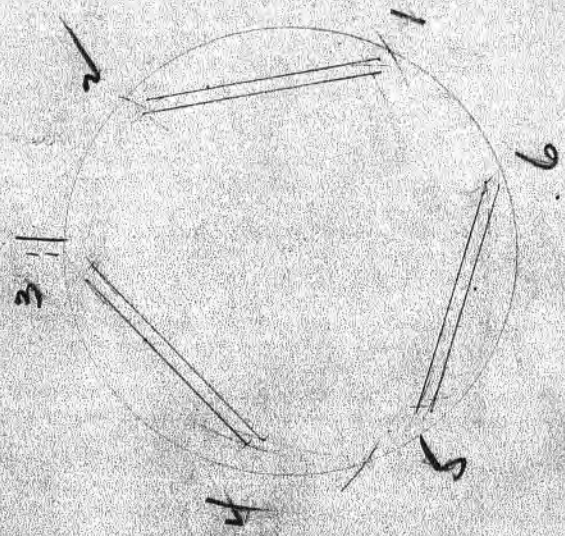
Kwa To. Sequence of roofing poles

Pilasters:	1	2	3	4	5	6	1
layers a.		— 2 —		— 2 —		— 2 —	
b.	— 2 —		— 2 —		— 2 —		— 2 —
c.		— 2 —		— 2 —		— 2 —	
d.	— 2 —		— 2 —		— 2 —		— 2 —
e.		— 3 —		— 3 —		— 3 —	
f.	— 4 —		— 3 —		— 4 —		— 4 —
g.		— 4 —		— 4 —		— 4 —	
h.	— 5 —		— 4 —		— 4 —		— 4 —
9		— 5 —		— 5 —		— 5 —	
j.	— 5 —		— 6 —		— 5 —		— 5 —
k.		— 5 —		— 5 —		— 5 —	
l.	— 8 —		— 7 —		— 8 —		— 8 —
13		— 10 —		— 9 —		— 8 —	
m.	— 8 —		— 12 —		— 10 —		— 8 —

Kwa To - Layer # 1  
Scale: 1" = 10'

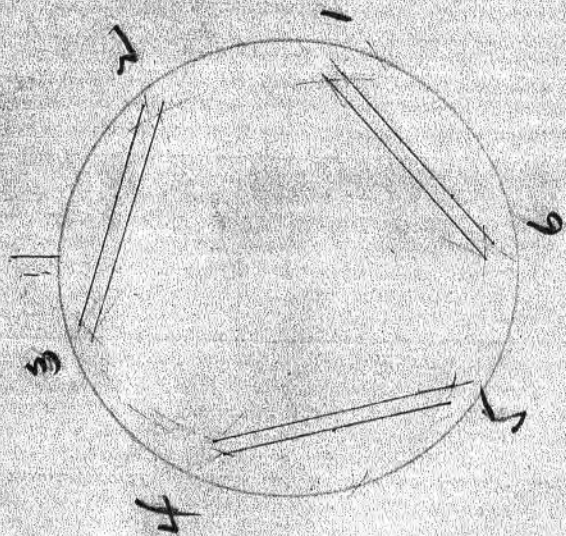


Kiva L. - Leyer #13-2



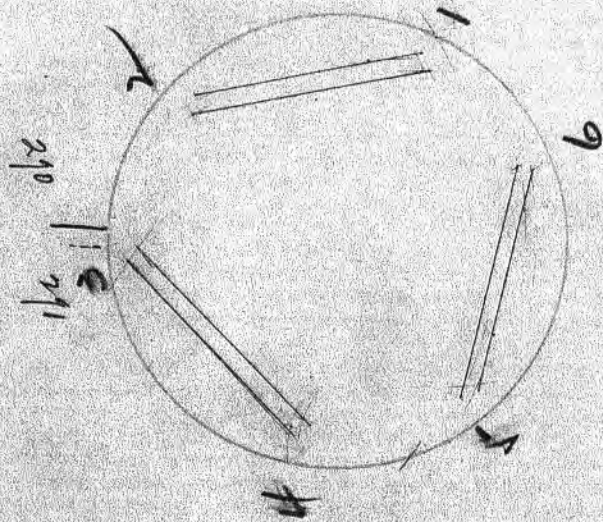
16-4 W	17-7 N
17	17-10
- 22-5	2-21-8 NW
20-5	13-7
20-10	14-7
11-10	12-10 E.
12-7	12
13-3 1	
12-2	
17-A - E	
17-10	
20-4	
22-5	
21-8 - N	
31-7	
12-10	
13-6	
13-	0
12-3	

3 #12 Leyer - Kiva L.



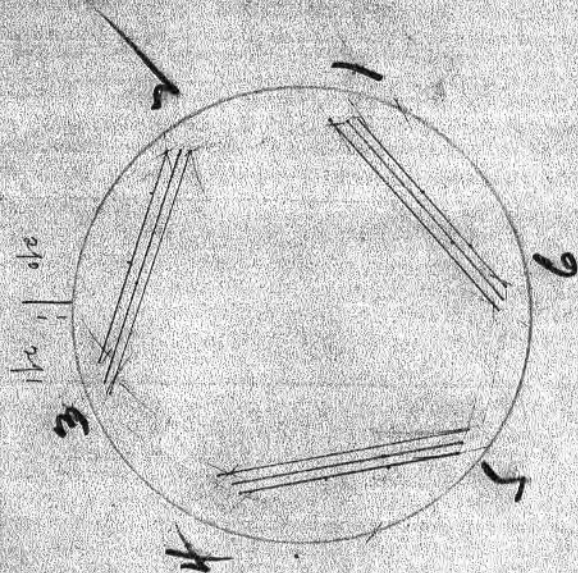
2-18-7 W	20-9 -N
19-6 -E	21-4
20-2	22
21-8	22-6
22-2	8-
5-9 -W	8-9
6-6	12-10 l
13-4 l	12-7
12-8	
20-7 -W	
21-2-	
21-5	
22	
13-6 -E	
13-3	
12-10 l	
12-3	

# 4 - Layer - Kiva to



20-10 -E	16-10 -N
20-4	18
11-3	22-6
12-7	22-10
16-8 -W	14" - inner
17-1 -	13-6 -W
22-5	18
22-10	21-10
13-6 l	22
11-8	13-6 l
	11-10
17-4 -E	
18-5	
21-8	
22-3	
2-21-10 -N	
12-4	
13-11	
13-5 - l	
11-9	
14"	

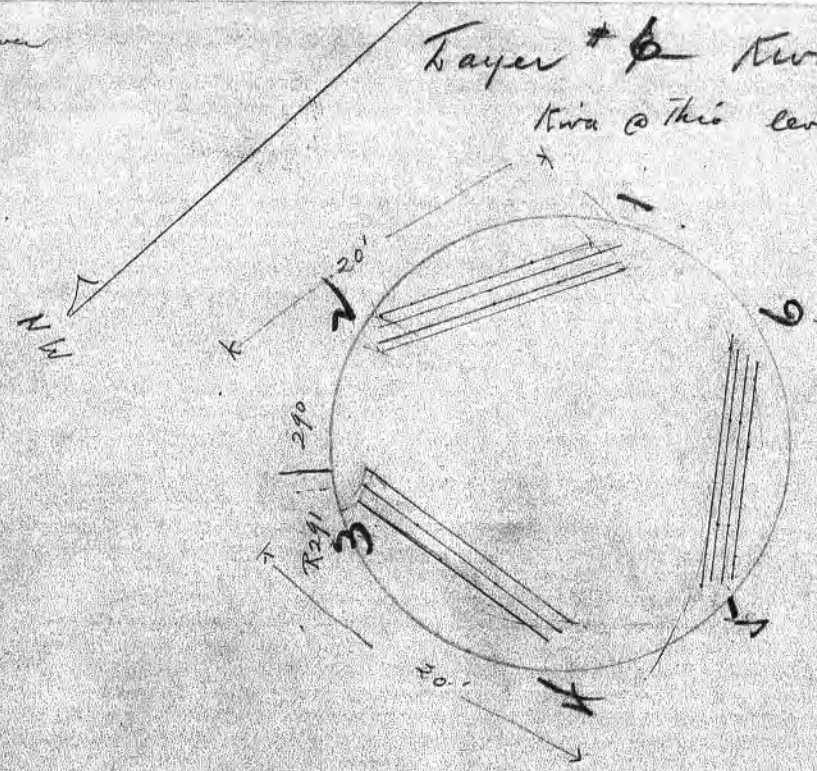
Layer # 5 Kiva to



18" over  
 18' - W  
 6' - S  
 13' - P  
 12-8

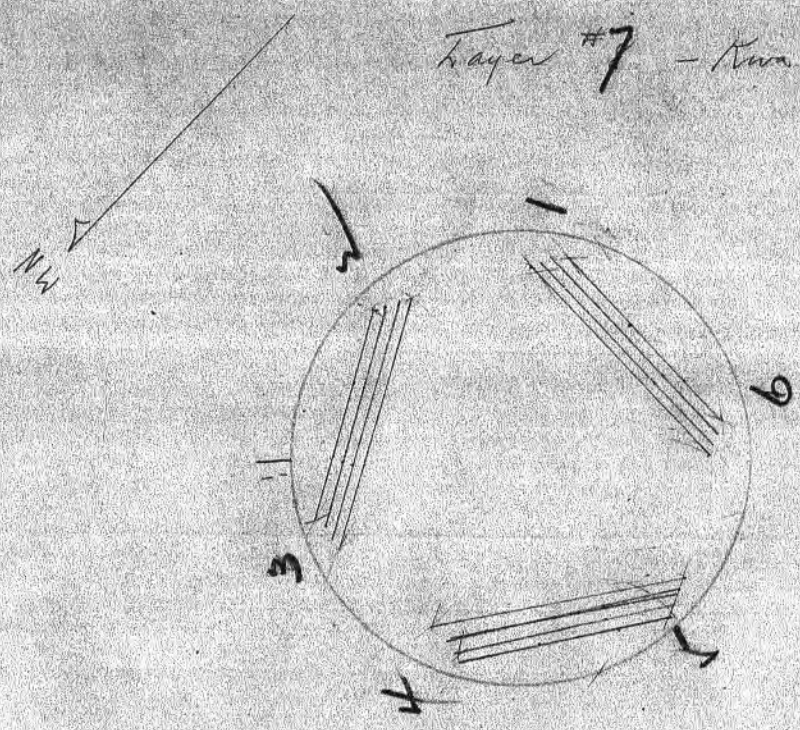
8' - E  
 6-10 14-2 E  
 18-10 13-5  
 18-4 13-8 P  
 11-1  
 22 - N-S  
 22-10  
 20-  
 21-6  
 3 - W  
 4-6  
 13-6 - P  
 11-8  
 7-6 - E  
 4-3

Trayer #6 Kiva T.  
 Kiva @ this level 23'6" diam.

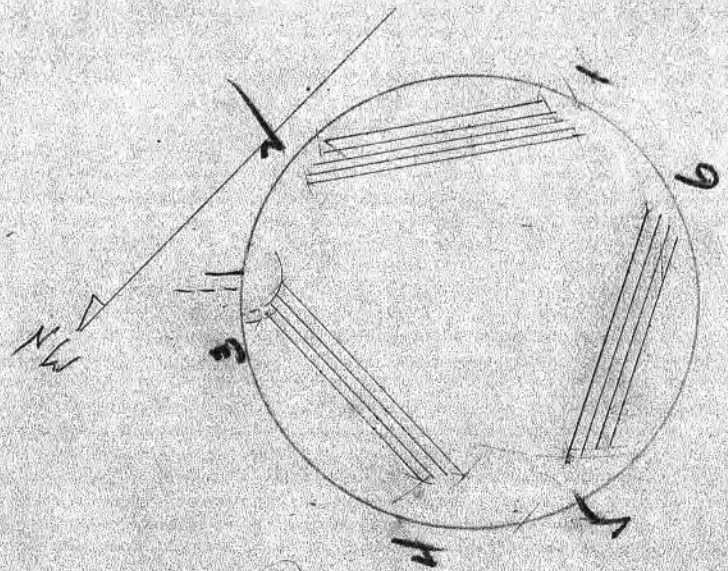
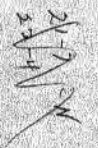
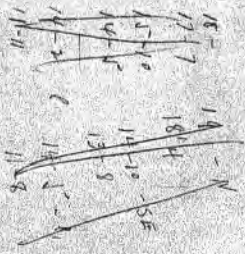


13-4 N  
 17-1  
 22-5  
 22-10  
 13-10  
 11-1  
 11-1  
 13-10  
 11-1  
 16-5 N  
 18  
 22-1  
 22-1  
 4-2-4

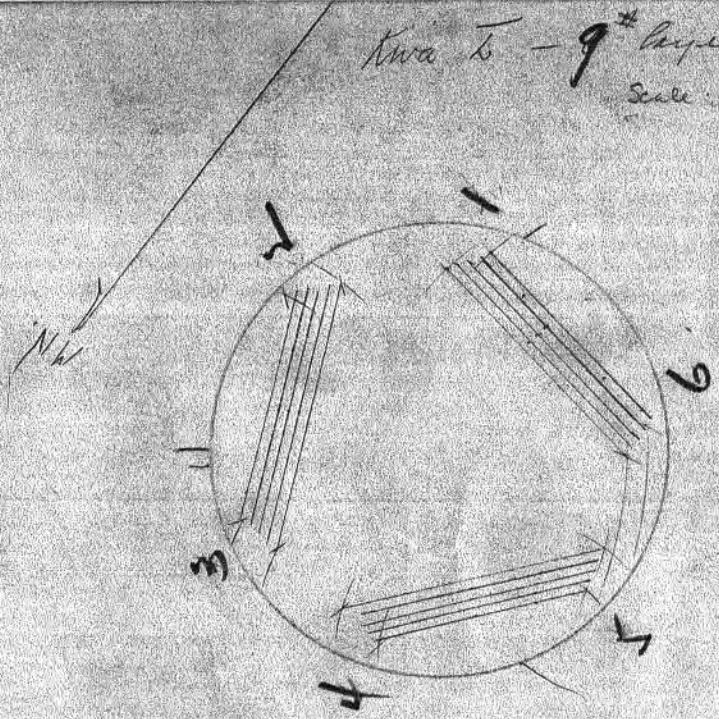
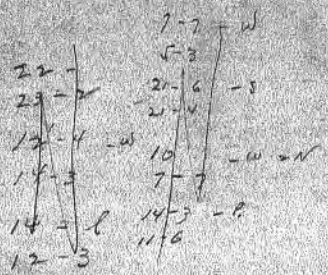
Trayer #7 - Kiva T.



Kiva to - Layer #8



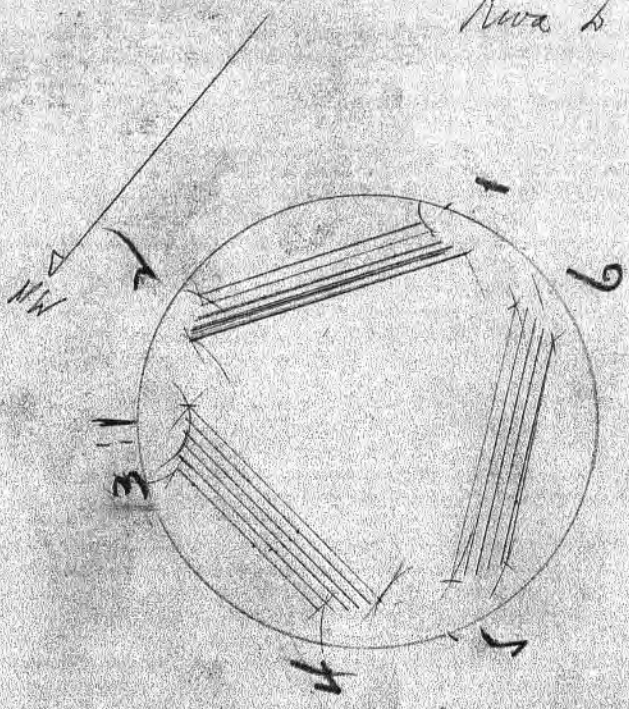
Kiva to - 9<sup>th</sup> layer  
Scale: 1" = 10'



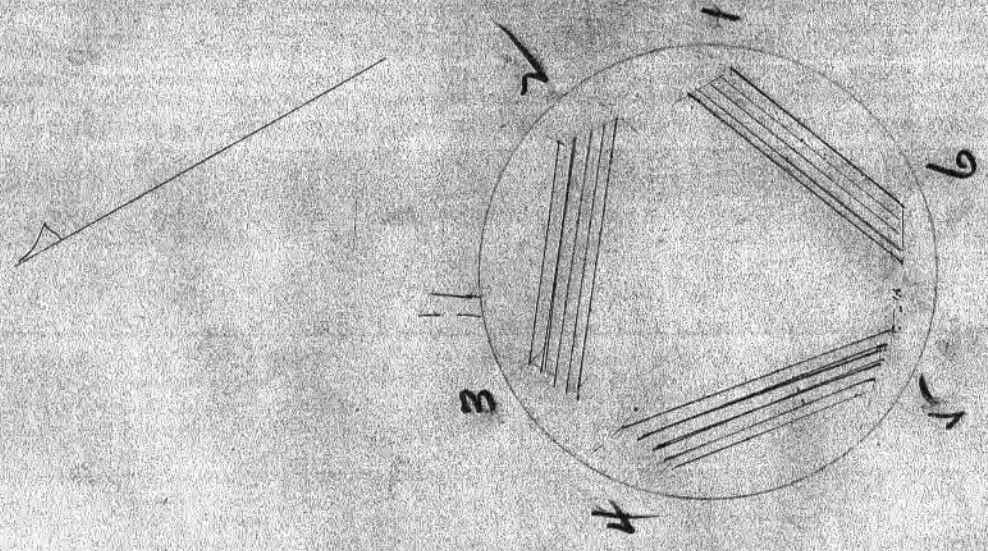
Correct orientations

Kiva 6 - #10 layer

14-8  
 17-8  
 1-7  
 3  
 5-4  
 2-8  
 15-3  
 13-10  
  
 31-7  
 37-7  
 18  
 13-10  
  
 18-5  
 17  
 4  
 6-10  
  
 14-8  
 10-9  
 34-7



Kiva 6 - #41



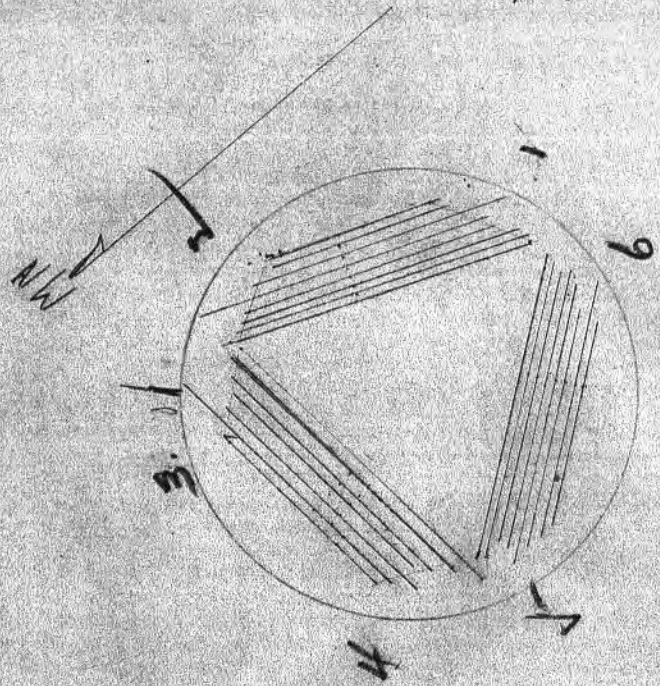
25-7  
 21-3  
 10-1  
 13-15  
 17-2  
 11-9  
  
 37-7  
 33-7  
 14-10  
 18  
 17  
 10-6  
 17-10  
 14  
 13  
 13-10  
 22-8-1  
 23-10-11  
 23-7-9  
 23-9-23

Kwa to # 12

15' 19  
18' 19  
3' 14  
18  
31

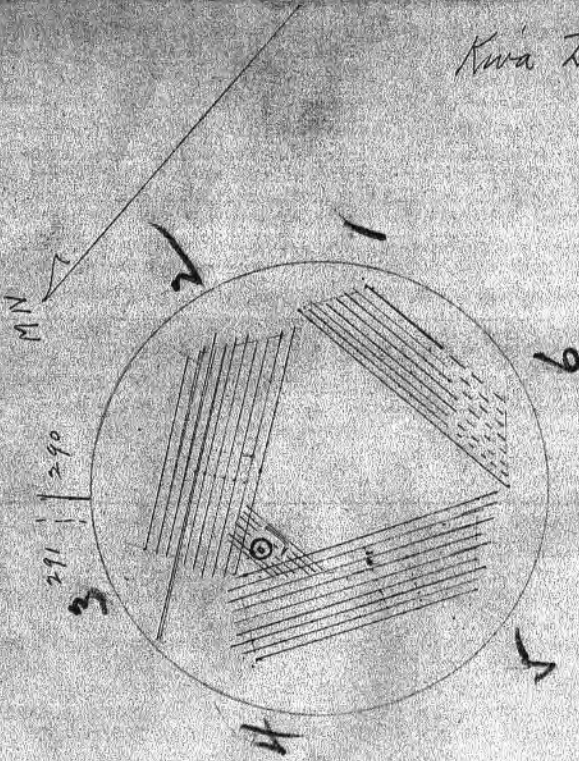
24  
14  
12  
16' 6

11' 5  
17' 12  
19  
19' 3



Kwa to # 13 layer

Speaker's Tube  
based here



290  
161

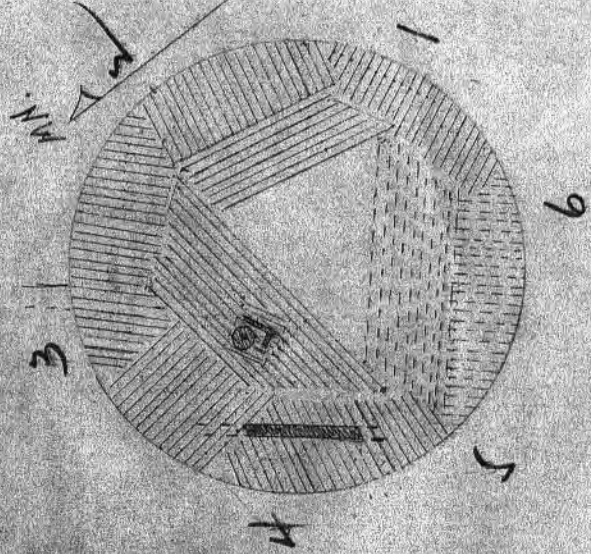
28' 11  
15' 11  
38  
15' 11  
18' 11

24  
24  
20' 7

30' 11  
10' 11  
11' 11  
2' 11

Layer #14

Area to - 24' diam  
scale - 1" = 10'



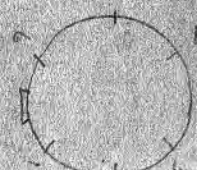
Layer	Plastic	Plastic	Meaning No.	Meaning No.	Plastic	No.
1	6-1-1	2-3-1	2	2	1-2	8
2	4-1-2	4-6	2	2	3-4	7
3	1-4-6	6-1-3	2	2	5-6	8
4	2-2-4	2-3-1	2	2	6-1	5
5	4-4-4	4-2	2	2	2-3	10
6	3-4-6	4-4	2	2	4-5	9
7	4-6-1	4-6	2	2	4-5	9
8	4-4-4	4-4	2	2	4-5	9
9	4-4-4	4-4	2	2	4-5	9
10	4-4-4	4-4	2	2	4-5	9
11	4-4-4	4-4	2	2	4-5	9

10	30
80	115
195	
131	
330	
203	
<b>Total: 310</b>	

Notes:  
 - Plastic in middle  
 - Top section of dirt  
 - base material  
 - plastic

Area to - 24' diam  
scale - 1" = 10'



937 lbs  
34 above - dia of 20"  
22" height of 11"

Kiva M. <sup>3 eds</sup>

Aug. 1923

At N end E. Ct., N of Kiva O, not previously excavated.

Dia. @ floor, 17'3"; ceiling height, 9' est.

Masonry, 3<sup>rd</sup> type. Lower wall, pilasters, & bench front had been plastered before fire destroyed the cribbed roof.

Bench w. 30" w. x 25" h. On it, 6 pilasters w. 16" w. x 12" h.; each consisted of log veneered @ sides with small-stone masonry set back 4" from bench edge. Logs appear to have been set in prepared recess, ca. 6" wider & higher than finished pilaster; ~~to~~ filled in after logs were positioned. At rear, close to kiva wall, upright posts stood between pilasters. Bench top & pilasters heavily plastered. North bench niche betw. pilasters 3'4" x 9" above floor, niche 6 1/2" w. x 11" h. x 17" d; slab sill & lintel. S. wall stands 7 1/2" above bench.

South bench recess 4'9" w. in front, 5'1" w. @ rear x 16" deep.

Subfloor ventilating system. Exit, 5'1" fr. rear of recess, is 16" w. x 18" N-S. Its inner SE cor. is 4'4" fr. E front of recess; inner SW cor. is 4' fr. W front. Masonry-lined duct is 25" d.

Kiva M - 2

flagstone floor.

Masonry screen, 30" l. x 12" w. x 8" h. rises 2" N. of vent opening; its N face forms straight S. side of a fireplace otherwise 27" dia. x 11" d.

Subfloor vault W. of fireplace, 7'1" l. x 28" w. @ S, 27" w @ N x 20" d. Poor quality masonry walls. floor, sandy & ill-defined. Inner SE cor. is 6'5" fr. E front of S. bench recess. inner SW cor. is 4'5" fr. W. front; inner NW cor. is 5'2" fr. kiva ~~sill~~ <sup>bench sill</sup>. Shelf-like offsets @ each end, 4" below kiva floor or ca. 16" above vault floor; that @ S is 21" l. x 28" w.; that @ N, 22" l. x 27" w., has no masonry on E side. Vault was crossed by 2 single poles ca. 1 1/2" dia.: 1 @ S. end fronting the shelf & on top of it; 2<sup>nd</sup> crossed @ middle ca. 3" below kiva floor. A possible 3<sup>rd</sup> pole may have crossed N. end seated upon narrow side offsets. There suggest a possible vault covering of which <sup>other</sup> no trace remained.

## Kiva M-3

Fill: Blown sand 20" d. against N. bench, a few inches deeper @ S. side. Above sand, burned timbers from roof structure. Stone from upper walls filled rest of kiva depression.

Finds: Besides cataloged specs., 1 dressed s.s. slab 10" w. x 14 1/2" l. x 1 1/2" th; 1 thin s.s. jar cover & a quantity of misc. potsherds mostly typical of Chaco but 3 were O.B. types & 2 M.V. bowl frags. Also, 1 trough metate & frags of 3 others; 6 manos & 2 hammerstones; 1 friable s.s. block 11 1/2" l. x 9" w. x 3" th, grooved around the middle but otherwise unworked; 3 waterworn cobbles & a handful of flint & obsidian chips.

Grass behind upright posts on bench identified by A.S. Hitchcock, Principal Botanist, USDA, as "M. rice grass" or "sand bunchgrass" (*Oryzopsis hymenoides* (Roem. & Schult), 1933.

## Kiva N.

5 chs

8/8/23

Previously unexcavated 2<sup>nd</sup> type kiva S. of Room 83. Dia. @ floor, 17'10". Estimated ceiling height, 9'6". Present N wall stands 9'3" above floor; plaster holds to av. 5' above bench.

7  
1  
Kiva N built in space formerly occupied by partly razed 2<sup>nd</sup> type room (walls plastered & whitened) abutting outer S. wall of 1<sup>st</sup> type R. 83. In latter, 2 former doors blocked fr. within to leave external shallow, unplastered recesses. Above partly razed E wall of this 2<sup>nd</sup> type house is 3<sup>rd</sup> type N wall of R. 311.

Fill: On floor, blown sand 8" th. against N bench increasing to 10" above S. bench recess. Upper S. wall of R. 83 had toppled in upon sand; kiva ceiling had collapsed upon fallen masonry & burned to charcoal. Sand reddened by heat but not fused. Thus fire followed both accumulation of 8"-3'6" of sand & fall

## Kiva N-2

of T. 83 upper S. wall. In sand layer we found very few potsherds & these of both early & late types.

Bench, av. 28" w. x 27" h., faced with small laminate blocks with intermittent banding. S. bench recess 49 1/2" in front, 51 1/2" w. @ rear; 15" d. on E & 16" d. on W end. Six pilasters each of single log walled @ sides by small-stone masonry; av. 15" w. x 6" h. with front end set back av. 4" fr. face of bench. Both bench & pilasters heavily & repeatedly plastered. Plaster had completely fallen fr. bench face but 39 distinct layers counted on Pilaster #4. At rear of bench, betw. pilasters, were 14 posts av. 2 1/2" dia. except, betw. pilasters 3 & 4, there were 15 posts. Grass had been tightly packed betw. posts & kiva wall. Thus, with 6"-h. pilasters, very little of posts & grass packing & none of plastered masonry could be seen from floor.

## Kiva N-3

Fig. 8 seats (see ch. 4)

Pilaster logs had contained repositories & most of these had been covered by adobe plugs. Several covers bore on under side imprint of cedar twigs & other vegetal matter. A handful of flint chips lay @ butt end of Pilaster 6 log. All offerings charred. Incised

Bench  
masonry

Test hole thru bench betw. pilasters 1 & 2 to depth of 32" showed rubble fill abutting wall masonry.

Thus main wall of 2<sup>nd</sup> type Kiva N obviously had been completed & bench built in later. Is this true of all 2<sup>nd</sup> types?

Butt end of 7 1/2" dia. log lies flush with kiva masonry 25" above W end of S. bench recess. (see notes from R. 313)

In face of bench midway betw. pilasters 3 & 4 & 11" above floor is niche 10" w. x 9" h. x 10" deep.

(?) Fireplace, masonry lined & unrimmed, 25" dia. x 3'5" d. to clean sand, lies 7'6" fr. rear wall of S. bench recess. Must have missed bottom of fp. Earlier floor @ 2'8".

## Kiva N-4

Ventilator, 13" sq. lies 5'2" fr. back of S. recess; is 24" d. Inner SE corner, 4'3" fr. E front of S bench recess; inner SW cor., 4'2" fr. W front. S. edge of opening formed by s.s. slab embedded in kiva floor; tunnel ceiled with wood (not cleared). Vent opening covered by s.s. slab, chipped edges. Vent shaft, 16" w. x 18" E-W, rises above middle of S. recess with its inner N side 28" fr. inside of kiva wall; shaft masonry 10" thick.

Floor repository below Pilaster # 2 is 11" dia. x 23" d.; is roughly plastered but unrimmed. Contained unknown number of wooden paho or "ceremonial sticks." Many had knobs @ or near 1 end; opp. end tapered to near point. Longest was 15", tip to end of knob, but av. length may have been 20" or more for there was 2" of shale in bottom of pit & tops of sticks were only slightly below kiva floor. One stick left its imprint in plaster of N side.

No subfloor vault W of fireplace.

## Kiva N-5

Finds: besides cataloged specs, 2 manos, 5 hammers, 2 small pcs. turquoise. Among pilaster offerings, several Fig.-8 beads with incising across lower end.

Subfloor test below N bench niche revealed earlier floor @ depth of 2'8" & white-plastered bench masonry continuing, without founda., 4" below that earlier floor. Lower masonry includes larger, smoother s.s. blocks than that above. A niche in <sup>lower</sup> bench face directly beneath E half of upper bench niche is 3 1/2" above lower floor with 5' sq. opening, plastered jamba & sill & slab lintel; masonry - lined & plastered, 11" d. inside x 7" w. x 6" h. Lower floor covered by 4" layer of sand & adobe chunks with 2" layer of shale on top; debris of reconstruction for remainder.

Large block of friable s.s. in situ 23" beneath early floor or 13'11" below estimated ceiling height. Top slopes to NE; lies on clean sand; size not determined.

raised bench

shale for abandonment?

early face p. N cliff

## Kiva O.

1923

Unexcavated. Lies S. of Rs 315-316; W of Kiva L.  
Indicated above bench dia., 34'.

Masonry, 3<sup>rd</sup> type. Walls mostly fallen; <sup>upper 2-3'</sup> N side partly restored in 1923 to provide walk in front of Rs. 315-316.

Exposed arc of unnumbered, unexcavated kiva adjoining Kiva O on NW may have been abandoned before completion to admit construction of Kiva O. Masonry of 3<sup>rd</sup> type but superior to that of "O". In test pit, inner wall exposed to its founda. @ depth of 9' without encountering bench. Wall lightly plastered.

R. 313 sub-floor walls abut outer W side of this abandoned (?) kiva.

## Kiva P

8/23/23

Unexcavated kiva S. of & below R. 310.

Masonry: banded 3<sup>rd</sup> type. Only N side exposed; badly shattered. From points on N face 8'4" fr. outer SE cor. of R. 309 vent shaft & 24'10" fr. front angle of jog in W wall of R. 310 &, on S. face, 23' fr. outer SE cor. of Kiva 16 square, indicated dia. is 32'. Floor dia. 26' <sup>est.</sup> Estimated ceiling height, 11'6".

Bench: 28" h. x 35" w. & 11'4" below floor level of R. 310; 13" lower than bench of Kiva N, adjoining on NE. Two pilaster logs exposed in test pit & offerings recovered (Nos. 1299-1300). JPB # 92, pilaster log @ N., no date  
Test pit refilled acct shattered masonry & drainage problem.

Kiva Q

Negs. 28444A 28511A 28476A  
28445A 28480A

7/16/44

Super-kiva, NE corner W. Ct.; not previously excavated. 2-3 ft. of sand & silt washed in; on this, chico brush. Above sand, stones fallen from surrounding wall.

Measures: 40' dia. @ floor; above bench, av. 44'7". Ceiling, 10' est.; 12' if to ceiling of S. antechamber.

Bench; av. 25" w. x 23" h. Above-bench, walls are 38" th; stand 9'7" @ N., 8' @ E., 3'8" on S, below alcove.

Masonry: is Third-type but inferior to that of dwellings. Few dressed friable blocks. small-chip chinking frequent; laminate s.s. predominates. Plaster adheres in places; general absence of smoke stains suggests walls were originally plastered full height. Floor 11-12' below W. Ct. surface; c 5' below R. 5 floor.

Roof supported on 4 pine(?) posts 15-18" dia., each in sunken masonry seating filled with shale frags & covered by a slab apron. Posts on E side, least decayed, still stand c 3' high but too decayed to section. NW seating, only one examined, is 36" dia. x 9" d., floored with large slab & filled

Kiva Q-2

with shale or low-grade coal; on latter, close-fitted flagstone apron 7'4" dia. close against post & flush with floor. Seating is 17'4" fr. both NE & SW seatings; SE post, 18'1" from SW seat & 18' fr. NE. Roof area thus nearly square. SW post seating, 19" dia.; surrounding flagging, 6'4" dia. NE post, 15" dia.; flag apron 7' dia. SE post, 18" dia., flagging, 5'7" dia.

Vaults: subfloor, 1 on each side between posts. That on E, 4'8" w. x 6'7" long x 13" d.; masonry walls av. 10" th. flush with floor; paved with sand, N 1/2 covered by ash film. W vault 4'6" w. x 6'5" l. x 16" d.; walls av. 14" th., stand 3" above floor; rough masonry inside, fine third-type outside. Paved with packed sand, shale layer on top.

Antechamber of Third-type, smaller blocks than usual, on S. side 62" above bench but front edge of floor & adjacent wall had slumped into kiva. Measures: E, 6'4"; S, ~~6'5"~~ 8'9"; W, 6'5"; N, 8'7" with no trace of wall. Wall thickness: 25" on E; 13" on S; 20" on W. Highest standing masonry, SE cor., is 30"; from here court surface

### Kiva Q<sub>down</sub>-3

slopes  $\sim 3'$  to kiva edge. From this inner SE corner,  $30'9''$  to outer NW corner of "gate" to E Ct.;  $19'$  to outer SW corner, R. 212. In S. wall of antechamber (alcove)  $35''$  fr. SE cor. &  $15''$  above floor, flight of 3 masonry steps lead to W. Ct surface; possibly 1 or 2 more steps lost with surface erosion. Alcove walls faced on inside only; only 1 course of foundation stones. Inner NE corner is  $3'4''$  from inside of kiva. Floor  $62''$  above kiva bench; no steps, no trace of ladder betw. the two.

Fireplace:  $11'10''$  from S. bench;  $4'6''$  on E & S;  $4'$  on N;  $4'4''$  on W x  $29''$  h. Fire pit,  $28''$  dia., filled with sand to within  $12''$  of top. In middle N. side @ floor level, flue  $8''$  w. x  $10''$  h., sill and lintel of s.s. slabs. In kiva floor,  $25''$  N. of fireplace, ash-filled basin  $18''$  dia. in adobe ring  $39''$  dia. x  $6''$  h. Guñi say this was for fireplace ashes.

Depository:  $11'1''$  N. of fireplace: neat masonry cylinder  $12''$  dia. x  $8''$  d., built on slab. Center is  $9'1''$  fr. NE post;  $9'4''$  fr. NW post. Covered by s.s. disk  $20''$  dia.; empty. Could be sipapu?

### Kiva Q-4

Fire screen in masonry seating  $3'9''$  S. of fireplace: measures  $6'5''$  l. x  $25''$  d., slight curve; E end,  $5''$  w. &  $3'9''$  fr. SE cor. of fireplace; W end,  $6''$  w., is  $3'6''$  fr. SW cor. of fp. Built up from inside of small stones; in it, butts of 9 2-inch posts tightly packed in shale fgts; obvious wattlework screen.

Ladder:  $28''$  fr. S bench below alcove floor: 3 poles in dug holes, depth unknown, slant toward middle of kiva roof; overall width,  $37''$ . Guñi say old time ladders @ Guñi always had 3 poles.

Shelf (?): In N wall, opp. S. alcove &  $46''$  above bench, holes for 4 5-inch logs, evenly spaced, overall width,  $11'3''$ . Each held decayed wood. No other like holes.

Cache: Unplastered repository,  $28''$  l. x  $30\frac{1}{2}''$  on E,  $21\frac{1}{2}''$  on W &  $13''$  h. to wooden lintels, found while repairing N wall directly above easternmost of 4 shelf (?) holes,  $5'4''$  above bench; front wall,  $10''$  th. Contained misc. lot of bear claws, 3 chipped blades, potsherds, etc. (Field No. 2093). See S.I. Misc. Coll. vol. 124, p. 323

(U.S.N.M. No. 336041)

## Kiva Q - 5

Fill: On E side, wall of unnumbered room S. of R. 211, apparently carried on paired beams across kiva arc, had fallen into kiva. Among these, 11 large metates & 12 fpts or out-worn metates likewise fallen from unnumbered room. Probably had served for grinding whitewash or potters' clay, quantities of which were found stored in R. 212. Elsewhere in Kiva Q, 3 manos & 5 fpts, 3 hammerstones, part of notched cobbles ax, fpts of 3 dressed s.s. tablets, flint chips & small s.s. concretions. Scattered over much of kiva floor were squared pieces of claystone & turquoise from broken mosaic ornaments.

1924 Repairs: N. wall, 9'7" h., restored to 10'1/2' to check disintegration & seepage from open area fronting R. 28B; on E side, 10-12" of repairs to floor level of R. 211.

Roberts & Arsdon tabulate 4529 misc. sherds fr. Kiva Q fill:

NGS. Negs. 28418A, 28366A = leg. & excar.  
50584A, 50588A, 50581A.  
Kiva R. 50591A, 28438A. Rearranged & clarified 4/6/55 10/24/27 7/1/24

9cds At N end of N. Court, S. of R. 57; previously unexcavated. Dia. @ floor, 22'9"; bench av. 46" w. x 29" h. Estimated ceiling height, 9'10".

2 1/2  
3 1/2

Masonry of main wall is dominantly of 2<sup>nd</sup> type but with 3<sup>rd</sup> type reconstruction in upper 3 ft. At 7'4" above bench, wall sets back 16" to a 12-14" riser; then 10-12" more width for a total of 26-28". Offset supported ends of upper layer of roofing poles; <sup>their</sup> decayed remains still present. At N<sub>1</sub> wall <sup>of above niches</sup> stands 8'6" to top of offset & <sup>terrace</sup> level. In SE 44 a larger proportion of dressed friable s.s. blocks is apparent but this is doubtless an individual mason variation. In N wall betw. pilasters 3 or 4 ends of ③ 2"-dia. horizon-  
-ally placed tie-rods show <sup>irregularly</sup> in masonry @ 9", 12", & 15" above bench; had been plastered over. At S, main wall broken down to within 3-4 ft. of bench. Main wall had been plastered to height of offset, slopes outward perceptibly fr. perpendicular.

## Kiva R-2

Bench is 40" w. @ N., 52" w. @ S.; average is 46"; height 29". As usual, bench masonry is superior to that of main wall & here consists almost entirely of laminate s.s.; ~~it~~ was plastered & whitened. On bench 6 pilasters each consisting of a log, av. 7½" dia., veneered @ sides with small-stone masonry & plastered. Pilasters av. 17" w. x 8" h. & are set back av. of 3" from bench edge. Between pilasters, <sup>reach posts</sup> 13-16 small posts (stood upright an av. of 4" fr. main wall) & supported a mass of small poles & branches rather than grass as in some other kivas. Bench surface fronting these posts had settled <sup>on acid sand fill</sup> 1-3". Offerings found in pilaster logs & in ceiling timbers above them. One of latter (#1486) = bill of red head duck (*Nyroca americana*) - discarded. South bench recess is 4'11" w. in front, 5'5" @ rear; is 17" d. on E & 14" d. on W side. From middle rear to main wall is 3'4".

North bench niche, opp. S. recess & 6" above <sup>upper</sup> floor, is 7" w. x 11" h. x 15" d.; neatly finished inside but not plastered. Contained a small

## Kiva R-3

bowl & shell (Nos. 1480-1481) r. Ill. in M.C. vol. 124, pl. 82, a, b.

Floor repository, directly below N niche, is neat masonry shaft 8½" w. x 11½" N-S x 38" d. to clay floor. Outside, 2'8" E-W x 2'; front corners rounded. Trimmed with s.s. blocks & covered with squared s.s. slab (on 2" offsets) <sup>set into</sup> floor level.

Ventilator opening, 18" E-W x 16", lies 5'8" N of S recess; slabs rim N & S sides, <sup>that @ N</sup> overhangs duct lining 2" as seating for slab cover set in 2"-h. adobe rim. Inner SE cor., 4'9" fr. E front of recess; inner SW cor. 4'5" fr. W front. Duct, masonry lined & 35" d.; roofed & floored over.

Vent. shaft, 17" E-W x 16", rises <sup>outside</sup> opp. middle of S recess, its inner face 36" fr. inner S wall of kiva. Shaft walls av. 9" th.

Fireplace, masonry lined, is 28" dia. x 12" d.; lies 14" N of ventilator opening. Floored with 1" of shale overlain by like amt of wood ash, then 6" of clean sand somewhat reddened by heat but no charcoal. Sand fill apparently deliberate to lessen depth; upon sand, 4" of wood ash to overflow edge of basin.

Kiva R-4

reflecting earlier kivas

No subfloor vault W. of fireplace.

Fill. Kiva R. floor is well-defined but sandy. On it blown sand fill to wall height. Decayed roofing poles were in place or traceable; absence of floor sweepings suggests comparatively late occupancy.

Finds: 2 "cloud blowers" (#1497-98) on floor near E bench; beads, perhaps stored necklaces or offerings, found among decayed ceiling poles above pilasters. Small lot of potsherds (699 only) & several other cataloged specimens. Large s.s. slab, 17" w. x 40" l. x 1" th., lay among remains of ceiling poles above ventilator opening. Broken s.s. tablet 10" l. x 7 1/2" x 3/8", with chipped & rubbed edges, left in kiva.

over

Subfloor. From the latest Kiva R floor, soft, sandy but positive, the bench stands 29" high. At a depth of 9" there is an earlier floor containing more clay & therefore <sup>more compact</sup> harder & easier to follow. From this earlier floor the bench would have

Among bird bones from Kiva R, identified by Dr. Wetmore are Hare's (Falco sp.) & Golden Eagle (Agelaius chrysaetos) & Turkey (Meleagris gallopavo); mammals, identified by Dr. Groves Allen, coyote vertebrae. The birds of Redbird Buck (Nyroca americana) (Field No. 1486) were included in an apparent ceiling offering (deposited).

## Kiva R-5

stood 38", a height exceeded only by the Kiva B bench (42". the "B" main wall also slopes outward). This 38" bench, of fairly uniform-sized laminate blocks, is obviously contemporary with the 3rd period elevation of the 2<sup>nd</sup> type main wall for it was built immediately upon ~~the~~ <sup>a</sup> bench, 29" h., of laminate s.s. chinked in 2<sup>nd</sup> type manner, plastered & whitened (Neg. V0588A). On floor @ base of this 2<sup>nd</sup> type bench is a 5" layer of sandy adobe overlain by 16" of shale & then 8" of sand containing clay pellets. The 3 layers appear to have been spread uniformly thruout the 2<sup>nd</sup> type kiva following its abandonment or, @ least, prior to replacement.

This 29"-h. 2<sup>nd</sup> type kiva bench had been built upon the remains of a kiva wall of 1<sup>st</sup> type (Old Bonitian) masonry, razed to within 19" of its own bench. Thus the main wall of the oldest of the 3 successive kivas served as a foundation for the bench in the 2<sup>nd</sup> & the latter bench, in turn, became a foundation for the bench in Kiva R.

## Kiva R-6

Since their benches are in line, the 2<sup>nd</sup> kiva had the same floor dia. as the 3<sup>rd</sup>

(In 1927) We <sup>trenched E bench</sup> ~~barred~~ <sup>OP.</sup> about 1/4 of the older kiva wall & bench & found the latter to av. 22" h. but varying in width fr. 9" @ the N. to 13" @ NE & 5" @ SE. It was thickly plastered but held no trace of a pilaster; its associated floor slants down toward center. We did not attempt to locate one of its 4 ceiling props — necessities considering dia. — nor its fireplace & S recess, if any. The remaining 19" of its main wall rises vertically fr. the bench but an outward flare may be assumed for the razed portion. The bench stands on a 17"-h. foundation & the 3"-thick <sup>(with imprints of bark, split cedar, & greenwood)</sup> adobe floor overlies 14" of shale containing more pec of coal than usual & chunks of impressed adobe from razed roofs & walls.

This Old Bonitian kiva obviously stood open & unused for a time since blown sand with clay pellets & water-soaked chunks of adobe mortar had accumulated on its floor in

## Kiva R-7

4 successive layers @ 12", 14 1/2", 16" & 19" above the floor, each layer, like the floor itself, slanting toward center. None appears to have been laid as a floor but the uppermost, @ 19", was darker & ash-strewn & overlain by a 1"-layer of wall plaster some frags of which showed 14 coats or more. Upon the wall plaster was a 2"-th. layer of sandy adobe, spread uniformly, & then a thin layer of shale to bench height. Above that shale blown sand & a small amt of floor sweepings had collected to height of the remaining wall, 19".

At N end of our test hole the floor repository noted <sup>below</sup> ~~under~~ the N bench niche in Kiva R continues to & rests upon the bench of the Old Bonitian kiva, a total depth of 4'9". It is in 2 sections: (1) fr. the older kiva bench <sup>19"</sup> to floor level of the 2<sup>nd</sup> kiva & (2) fr. the latter level <sup>38"</sup> to the upper floor of "Rc". Both sections about plastered subfloor masonry & since they otherwise duplicate each other, the repository obviously was begun by

## Kiva R-8

X builders of the 2<sup>nd</sup> type kiva, <sup>floored over</sup> & replaced by a substitute when their kiva was altered & replaced by Kiva R.

Kiva R has its N bench niche & a similar one, of comparable size, is found in the N bench of the <sup>earlier</sup> 2<sup>nd</sup> type kiva, <sup>at</sup> 9" above its floor & accessible from the repository shaft. It is 6 1/2" w. x 11" h. & 3" within, widens to 12 1/2"; it is plastered, & its depth exceeds 16". It was empty. As the Kiva R repository was capped @ floor level (so, presumably, was its predecessor, covered by an inset slab later, floored over.

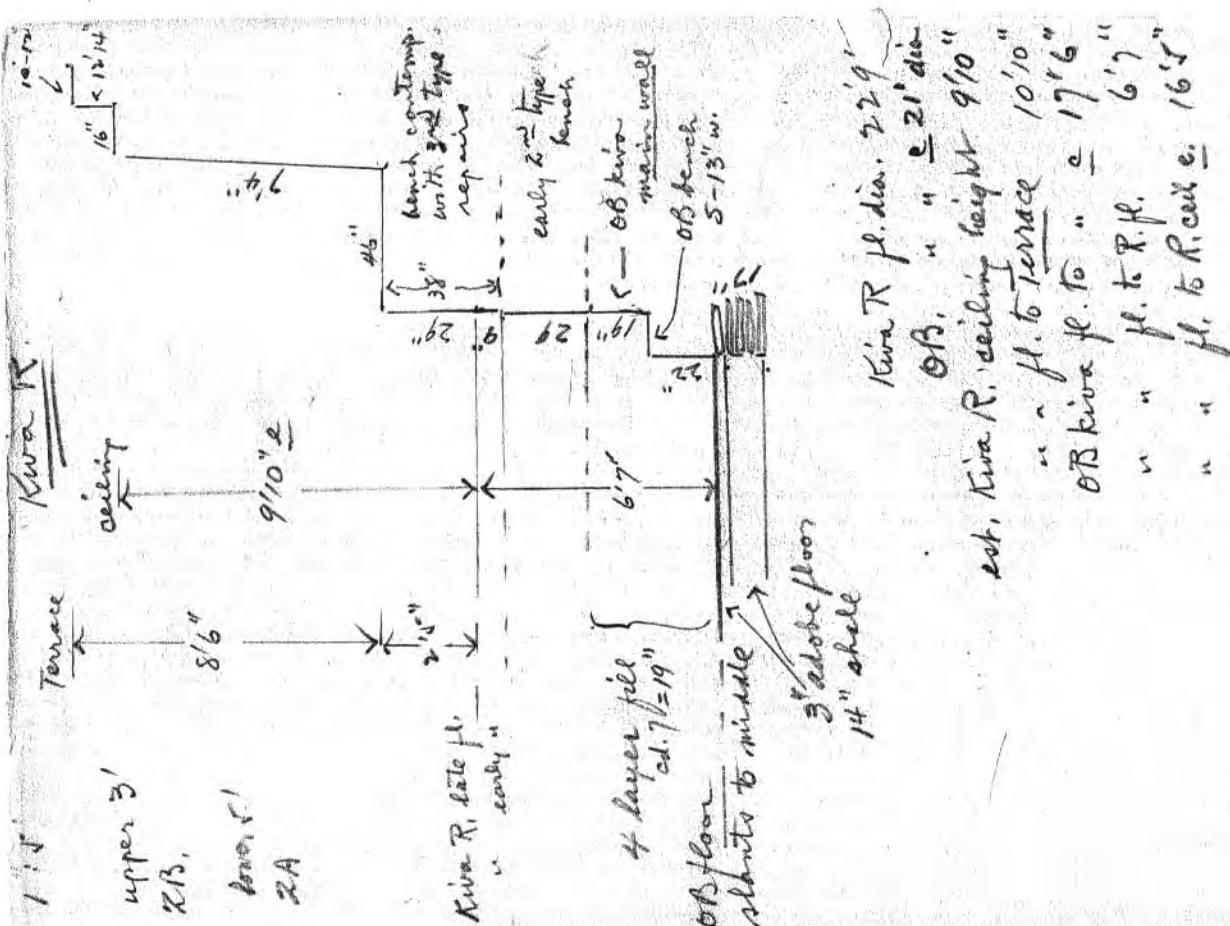
An exploratory test betw pilasters 2 & 3 showed the Kiva R bench to be faced with <sup>laminates</sup> ~~frags~~ of masonry & filled in behind with sand & clay to the slab-surfaced & plastered bench of the 2<sup>nd</sup> kiva. Latter bench likewise is faced with masonry but, instead of sand, was filled in with broken s.s. & adobe mortar. Decayed roof poles lay upon this 2<sup>nd</sup> bench but there was no pilaster on the section we exposed. The outward slant of the 2<sup>nd</sup> type main wall behind the

# Kiva R-9

2<sup>nd</sup> & 3<sup>rd</sup> benches presumably retains the slant of the Old Bonitian kiva @ the bottom of this sequence. Floor of OB kiva is 6'7" below upper floor in Kiva R.; 16'5" to R. ceiling; 17'6" to R. terrace.

In building their subfloor vent. duct, the Kiva R masons broke down the E front of the 2<sup>nd</sup> kiva's S recess & tied their duct stonework to it. 2<sup>nd</sup> kiva S recess apparently narrower than that of "R". Since rough external duct masonry continues down 4'9" below upper "R" floor to rest upon shale layer @ OB kiva bench level we assume the 2<sup>nd</sup> kiva also had a subfloor vent. duct; that its walls were extended upward to comprise the Kiva R duct.

Note 14" of shale in subfloor fill of OB kiva & thin layer @ bench level of its fill; 16" shale as middle layer of fill in 2<sup>nd</sup> kiva.



Kiva R. Terrace / 2 cds

10/24/29

At Kiva R. roof level a terrace composed of successive thin layers of sandy clay, well trodden, extends from Kiva Z enclosure around to that of Kiva 16. On terrace SE of Kiva Y, its inside SW cor. 7'10" fr. angle formed by Kiva Y & Kiva Z enclosing walls, is masonry-lined pit measuring inside N., 34"; E., 62"; S., 37"; W., 59"; depth to adobe floor 49". Inside reddened by fire; lower 2 ft. filled with sand & s.s. spalls with remainder fill sand & charcoal. Inner NE cor. of pit is 11" fr. inner face of 16" w. x 12" h. ceiling-pole offset @ top of Kiva R wall. <sup>Kiva R.</sup> Same riser is 14" from outer E. cor. of Kiva Z enclosure. Pit walls not fused, just red.

Second test below R. 57 south door revealed dark terrace surface 4" below a 5" offset that prob. marks R. 28 ceiling level; founda.-like <sup>(incl type 0B)</sup> masonry to 5' below includes both laminate & dressed friable s.s. & 3 areas of external chinking like that in lower N. side of R. 331, & outer W wall of R. 102. "mosaic" & beam seatings 10" below the 5" offset. (NGS. Neg. 28469A)

NGS. Neg. 28564A  
5, Oct. 1924

Kiva R. Terrace - 2

10/24/29

In fill S. of R. 57, pole impression & cedar splints represent former ceiling. 3 posts each standing on a slab within a masonry socket ~~and~~ av. of 24" fr. N wall on indistinct surface. Imprint of 7" dia. log extending fr. N wall suggests posts may have supported an arbor. Imprints of E-W ceiling poles & split cedar lay above log. Below is slab-lined fireplace 23" dia, x 8" d. Potsherds of both early & late types occurred in both test pits.

Among bones exhumed: Coyote vertebrae, rabbit, hawk (Buteo sp.), wild turkey (Meleagris gallopavo), Golden Eagle (Aquila chrysaetos) c

4 large E-W timbers noted by Pepper (1920, p. 297) were not found.

Kiva S.

7/1/24

Third-type-masonry kiva S. of Kiva R.; not previously excavated. We dug test hole to bench, 31" w. x 26" h (est.); revealed wall height of 8'7". Estimated dia. @ floor, 19'10"; est. ceiling height, 9'7".

Masonry: large blocks dressed friable s.s.; bands of smaller thin-bedded s.s. between. No small-stone chinking as in 2<sup>nd</sup> type walls. Plaster remains. Two pilasters av. 23" w. x 6" h., ending 2" fr. bench edge. Depositories in both: 1 empty & other contained 4 shell beads & bits of paint. Decayed cribwork showed lower 2 series of 2 poles each; 3 poles in 3<sup>rd</sup> series; 4 in 4<sup>th</sup>. Upright poles on bench betw. pilasters; one of these stood to 5'7".

Fill: Stratified sand to bench level; hard & silt-streaked as tho deposited by water. Misc. sherds in test hole: mostly Chaco types but 3 were Old-Bonitian.

Kiva S. may be the W. Ch. kiva tested by Pepper (1920, p. 111) as Room 26.

Kiva T

N.G.S. No. 28430A; 28437A

no floor plan.

7/1/24

SW corner of PB; N of Pepper's relocated R<sub>s</sub> 128-129; E of R. 334. Not previously excavated.

Dia. @ floor, 22'6"; ceiling height, 9'1/2' est.

Masonry, 3<sup>rd</sup> type: larger than usual blocks of dressed friable s.s. with thin-bedded s.s. between; acct seepage, walls much disintegrated. poorly preserved above & below bench. S. wall stands 6'9" above bench.

Bench: av. 32" w. x 25" h. On it, 8 pilasters av. 21" w. x 6" h. x 26" l., set back 4-5" fr. front edge. Each consists of 4 2" dia. sticks instead of the usual single horizontal log, walled @ sides by small-stone masonry & plastered over; each built upon a bench-wide s.s. slab. Upright posts @ rear of bench betw. pilasters. Lower roof poles, all decayed, cross upon pilasters: 2 each in lower 2 series; 3 in 3<sup>rd</sup>; 4 in 4<sup>th</sup>. In E bench front 2, 6" dia. post holes had been plastered over. South bench recess, av. 5'1/2" w. x 17" deep.

Subfloor ventilator: Opening, 22" w. x 15" N-S, is 5'10" fr. rear of recess. Vent tunnel, 22" w. x 26" d., floored with adobe, rimmed by masonry with 2" w. offset for vent cover; ceiled by sticks & mud @ kiva floor level.

### Kiva T-2

Vent shaft, 16" x 15" E-W, rises thru block of introduced stonework in NW corner of R. 129, next on S., its inner N side 70" fr. concave face of Kiva T. above its S. bench recess.

Fireplace, 28" dia. x 24" d., is 15" fr. inner N. end of vent. tunnel; 2 2" th. s.s. slabs stand 12" h. to divide lower half of fireplace.

Deflector, masonry, 34" l. x 9" w. x 5" h. stands between fp. & vent.

Subfloor vault W. of fp.; inner SW. cor. 5'8" fr. W front S. recess & 9" from bench; inner NW cor., 16" fr. bench face. Original vault, 42" w. x 9 1/2' l. x 13" d., was reduced to 15" w. x 7'5" l. by built-in wall av. 8" th & faced on E & S. only. Space on W side this wall filled with low-grade, slaty coal; that on E side filled with sand. Both sides later floored over.

Fill: lower 2' ± is earthy sand dipping fr. bench height toward middle. Decayed ceiling timbers above sand; stone from fallen walls & water deposited silt above timbers. On acct poor masonry, we refilled Kiva T.

Finds: Besides carded spec's the following were noted & left in the room: 28 hammerstones, 2 metates & frags of 2 others; 3 manos & 9 frags, 11 more or less worked quartzite pebbles, silicified wood,

### Kiva T-3

flint & obsidian chips fr. blade mfg., 2 fine-grained stone tablet frags., 7 small bits of turquoise, 2 discoidal slate beads & 1 olivella, & bits of egg shell (turkey?). Among bird & mammal bones, Swainson's hawk (*Buteo swainsoni*), golden eagle (*Aquila chrysaetos*); Red-tailed hawk (*Buteo borealis*), wild turkey (*Melagris gallopavo*), Jackrabbit, cottontail, bobcat.

Subfloor: Original work surface @ depth of 3" covered by 1" layer of slaty coal. Under E half of floor, various sections of N-S, E-W foundations, presumably third type <sup>masonry</sup> One, E-W & 22" w., underlies E bench 10' fr. E front of S. recess; its W end razed <sup>during</sup> ~~acc~~ construction of Kiva T. subfloor vent & tunnel.

Another, 18" w. x 19" h. & including 2 courses of dressed s.s. blocks, goes under bench betw. pilasters 1 & 2, 6'3" fr. E front of S. recess & extends thence 18'2" N. to underlie N bench.

Kiva U, 2cds

7/9/24

Middle W. side of W. Ch; S. of Rs 326 & 330; E of R. 23 (wrongly marked 106 on Hyde groundplan); previously unexcav.

Measures: 13'10" dia. @ floor; est. ceiling height, 8 ft.

Masonry: 3<sup>rd</sup> type but bldg. stone - dressed friable & laminate - larger than usual; chinking less than usual. <sup>Salvaged stone.</sup> Wall av. 21" th; no plaster. Encircling bench av. 11" w. x 25" h.; highest wall, on W., stands 5' above bench.

9'2" x 4" On N bench masonry panel 9'2" w. x 4" th, rises to top of wall; similar panel, 9' w., on S. bench. Under S panel, bench recess 3'10" w., front & back x 12" d. on E & 14" d. on W. 4' in front of recess rear wall, subfloor vent opening 14" sq. x 19" deep. Inner SE cor. is 41" from E front of recess; inner SW cor. is 38" fr. W front. Vent shaft, semi-circular, abuts outside of enclosing wall above middle of S. recess; 19" fr. NW cor. W. square.

Fireplace: 20" dia. x 10" d. lies 11" fr. vent opening or 6'1" fr. rear of S. recess.

No west-side subfloor vault.

Kiva U - 2

partly razed but was

Subfloor wall, N-S., 22" w., of crude 3<sup>rd</sup>-type masonry, underlies S. bench 8" E. of recess; under N. bench 13'2" from E front S. recess or 11'8" fr. NW cor. enclosing square.

Subfloor kiva, 2<sup>nd</sup>-type masonry, 21" th; bldg. blocks & chinking smaller than in usual 2<sup>nd</sup>-type walls. Bench, 30" h., lies 6'5" below Kiva U floor (earlier floor = 8'11" below). N. wall, <sup>of kiva</sup> razed @ av. 5' above bench; less height on W. Concave face passes under Kiva U bench 14'9" fr. NW. cor. of enclosing square; under E bench 18'8" fr. same corner. Indicated dia., 23 ft.

Kiva U fill; sandy earth containing few artifacts; 1 mand 1 s.s. jar cover, handful of flint chips, 599 misc. potsherds. Kiva U floor is 39" above Kiva W floor.

Kiva V. <sup>304</sup>

NGS. Neg. 284/5A

7/1924

Small kiva N of Kiva T & E of R. 59. Not previously excavated.

Dia. @ floor, 13'1"; ceiling height, 8' est.

Masonry: 3<sup>rd</sup> type but inferior; includes both dressed & unworked friable s.s.; general lack of chinking. Successive coats of plaster, whitened & smoke-stained. Built later than R. 59. North wall stands 6½ ft. above bench.

Bench av. 14" w. x 24" h. On it 6 masonry pilasters av. 21" w. x 29" h., flush with face of bench. Ceiling logs crossed upon these pilasters; not embedded in wall masonry. No logs in pilasters; no trace of offerings. Pilasters 3-4" wider @ rear.

South bench recess: 4'7" w. in front; 5'2" @ rear x 14" deep to kiva wall. Ends of recess rise 38" h. — 14" above bench — & abut pilasters #1 & #6.

Subfloor ventilator: Exit, 18" E-W x 14" is 3' fr. rear of recess; inner SE cor. 26" fr. E front of S. recess; inner SW cor. 26" fr. W. front. Vent duct 34" d. to slab floor; roofed with small poles 15" below kiva floor. Vent shaft, 12½" sq., rises in NE cor. of Kiva T. enclosure 4'9" fr. actual corner & 3'5" fr. inner S. wall of Kiva V.

Kiva V-2

Fireplace, masonry-lined, 21" dia. x 27" d., is 18" N. of vent duct; lower 15" sand-filled; remainder, wood ash. No deflector.

Bin, slab-lined, 19" w. x 23" l., floor 2" below that of kiva, abuts SE bench 3' from S. recess.

Large tabular metate lay trough down on floor NE of fireplace. Under it, a hole 3½" dia. x 4" d. sides & rim not smooth. hole is 8'4" fr. E front of S. bench recess & 9½" fr. W. front. Looks like a sipapu <sup>except</sup> but not sufficiently finished.

Finds: Besides carded spec's, following noted & left in kiva: 1 fgt. of tabular metate, 4 manos, 3 hammerstones, 2 antler fgt. & 1 fgt. human femur (no other human bones) 1947 misc. potsherds. 4 OB types = 24.8%; 4 T. B types = 16.8%, mostly corrug. coil.

Subfloor: Trench across N side <sup>base</sup> of bench, without foundation, @ depth of 14"; apparent orig. floor @ this depth covered by 3" layer of low grade coal. Under that orig. surface sand layer including pebbles & adobe pellets 11" d. on E side of kiva, 39" d. on W side.

Floor @ depth of 7'3" belongs to earlier kiva, appar. 2<sup>nd</sup> type, whose wall (bench?) was raged @ height of 30". Only 22" long arc

Kiva V-3

30000, cont

Kiva V

exposed in test pit: its S. end passing under bench below Pit. #5 6'8" fr. W. front of S. bench recess. N. end of same arc lies 8" back fr. bench face. In underfloor pit, 2 deer jaws & 634 sherds. of these 400 types = 31.5%; of 4 TB types, 22.7% includ'g 1 MV, 4 Chaco-JT, 118.

no comparable opening noted

Kiva V enclosure: W side of superior 3<sup>rd</sup> type masonry. In this, large T-shaped door, blocked & plastered. Lower part, 7'4" fr. SW. corner, is 26" w. x 20" h. (sill 25" below surface) in its middle, 2" above surface, a 7 1/2" w. x 3" h. opening with close-fitting hewn plank protruding step-like 8". Upper part, 46" w. x 4'3" h. there being a 10" w. shoulder @ each side of lower part. At N side of this door, W wall is 4'5" fr. convex curve of kiva with stones protruding irregularly; abutting S half, lower part, is 9 x 9 x 23" d. masonry shaft opening @ bottom into R. 59, S. side of this shaft flush with S. jamb of door. W wall extends 20'7" to roughly built N side of enclosure, with protruding stones; thence on to N side of Kiva W. enclosure. South wall abuts W.

Fireplace on surface 34" fr. SW cor. & 18" fr. S. side, lined with 7 slabs on end, 30" dia. x 27" deep.

Kiva W. (1<sup>st</sup>)

8/1/24

Small kiva between Kivas U & V; E of R. 336.

Not previously excavated.

Measures: 15'2" dia. @ floor; bench av. 17" w. x 26" h.

Est. ceiling height, 10' c floor 3'3" below that of Kiva U.

3<sup>rd</sup> type

requires

disturb!

Masonry includes both dressed & undressed blocks of s.s. with scanty chinking. Wall on W side stands 50" above bench. (We restored SW 1/4 to 5'8" above bench, 1924). Whitened plaster still adheres to walls av. 35" above bench. 6 pilasters av. 20" w. in front & 23" w. @ rear are set back av. 1" fr. bench face; all broken down but may have reached to ceiling height.

South bench recess 4'10" w. in front, 5'2" @ rear; 15" d. on E & 16" d. on W; extends thru bench to kiva wall.

Sub-floor ventilator 13" w. x 19" l. Inner NE cor. of opening is 3'8" fr. E front of bench recess & 4'2" fr. W. front; inner NW cor. is 4'4" & 3'6" fr. same 2 points. Vent

## Kiva W-2

Tunnel, masonry lined, 22" w. @ N end & 23" w. @ S as it passes under rear of S. recess; 40" d. & roofed with 6 - 1" dia. sticks 24" above its adobe floor. Vent shaft, 13" x 16" E-W inside, rises against outer S. wall with its inner N face 2'10" fr. inside kiva wall above bench & its inner W face 15'6" fr. SW. cor. of kiva W enclosure.

Fireplace, 24" d. x 22" dia. (29" dia. @ bottom) & rimmed with adobe, lies 23" beyond inner N edge of vent opening.

Subfloor vault W of fireplace is 17" d. x 26" w. @ S. & 24" w. @ N x 6'10" on E & 7'5" on W; later reduced to 12" w. x 5' l. by built-in masonry. Original walls av. 13" th. floor, hard adobe. Inner SE cor. is 7' fr. E front of S. bench recess & 4' fr. W. front; orig. inner NE cor. is 12'6" & 10'9" fr. same 2 points; orig. NW cor., 6" fr. face of bench.

Fill: Sand & adobe washed in & packed by water action + quantities of s.s. spalls & adobe fr. razed walls.

## Kiva W-3

in 1923 in R. 314 fits on conical base fr. Kiva W).

Finds : Besides cataloged specs., a Tabular metate 23" x 19" x 2" with grinding surface 18" l. x 8 1/2" w. Also, 4 manos & misc. <sup>(820)</sup> potsherds. Among latter, 4 Navaho or Paiute pot frags., including a conical bottom, reported by Guini workmen as found a bench level. (A sherd found)

Subfloor test N. of fp. revealed base of W bench masonry & indefinite work surface @ depth of 13".

<sup>3<sup>rd</sup> type</sup> Subfloor kiva: floor @ depth of 5'4". Bench, built of both dressed & undressed s.s. blocks resembling 3<sup>rd</sup> type, was 24" w. & razed to within 10" of assoc. floor. SE end of exposed <sup>bench</sup> arc (only 38" l., concave face to S.) is 10'2" fr. E front of Kiva W bench recess & 11'7" fr. W. front; NW end is 11' & 11'3" fr. same 2 points. Built with salvaged material.

<sup>3<sup>rd</sup> type on W side</sup> Enclosure: W side, of superior 3<sup>rd</sup> type masonry (+ dressed friable s.s. chips, which is unusual) <sup>formal</sup> contender

## Kiva W-4

orig. W side of Court  
was 3<sup>rd</sup> type construct.

fr. Rs. 340-341 to about N wall of enclosure & thus formed border of Court prior to construct. of Kivas V. & W. Since upper portions of 2 large T-shaped doors appear in it, both blocked fr. opp. side: (1) 20'9" fr. SW cor. of Kiva W square, is 43" w. & blocked fr. R. 336; (2) 31" fr. SW cor., is 46" w. & blocked fr. unexcav. room next S. of R. 336.

N. side of enclosure, fr. NW cor. to E face of abutting R. 332 E. wall, is 21'4" but, later, a 3' extension @ Ct. level was added to <sup>inner</sup> NE corner. W side of enclosure, 30'5" l., abuts on N; S. wall, 26' l., abuts on W; E side, 36' l., ties @ NE & SE corners. S wall of enclosure is

can't be  
2<sup>nd</sup> type

of nondescript masonry finished on N side only where it favors 2<sup>nd</sup> type; E wall, likewise nondescript is finished on outside only & here favors 3<sup>rd</sup> type masonry. Built of salvaged material it is latest of the 4 & was built on last utilized Ct. surface.

3<sup>rd</sup> type

## Kiva W-5

N <sup>wall</sup> side of enclosure separates Kivas U & W & now stands, without founda., 16'6" h. from work surface <sup>that is</sup> 9'5" below Kiva U floor level & 6'2" below floor level of Kiva W. (Kiva W floor is thus 3'3" lower than that of U; floor of razed 2<sup>nd</sup> type kiva 8'11" below Kiva U floor is c. 6" higher than work surface @ 9'5" & the razed 3<sup>rd</sup> type kiva 5'4" below floor of Kiva W is c. 10" above same work surface.)

Kiva  
levels

3<sup>rd</sup> type

Lower 13'2" of this 16'6"-h. N wall is built of both friable & laminate s.s., mostly dressed & chinked in 2<sup>nd</sup> style & probably includes stones salvaged from razed 2<sup>nd</sup> type kiva under Kiva U. Fill against this N wall consists of mixt debris of reconstruct. & occupa. for lower 8' & above that, 5' of blown sand + clay pellets & occasional potsherds & s.s. spalls. In this fill several temporary surfaces appear, the 3 uppermost betw. 9'2" & 10'9" above base & obviously associated with plastered upper portion of wall.

## Kiva W-6

These blocked doors evidence pre-Kiva U dwellings on  
2<sup>nd</sup>-story level.

In this plastered upper portion of N wall, 2 blocked doors: (1) 24" w. x 46" h. with lintel poles 28" below present top of wall, has its W jamb concealed by 5" of abutting W side of enclosure; (2) 27" w. x 49" h., is 12'8" fr. NW cor. & 16" above floor level @ 9'2". Hence this 16'6" h. N wall, following raising of 2<sup>nd</sup> type Kiva under Kiva U, but before construct. of U & W., obviously separated 3<sup>rd</sup> type dwellings whose 1<sup>st</sup> stories were filled & unoccupied but whose 2<sup>nd</sup> story floors lay <sup>above</sup> 9'2" above work surface @ base of wall. In NW cor., Kiva U vent. shaft, convex outside, rises flush with E jamb of 1<sup>st</sup> blocked door, 19" fr. cor.

Built upon this 2<sup>nd</sup> story floor (@ 9'2") & abutting N wall 17'6" fr. its NW corner is a 14"-w. <sup>14" x 14"</sup> founda. without identifying masonry raged @ end of 5 ft. The 2<sup>nd</sup> floor rests upon this unidentified founda. & rises  $\leq 2$ " as it meets W face of a 2<sup>nd</sup> N-S wall, 12" w. & raged within 7" of its foundation. This 12" w. wall @ 20' fr. NW corner

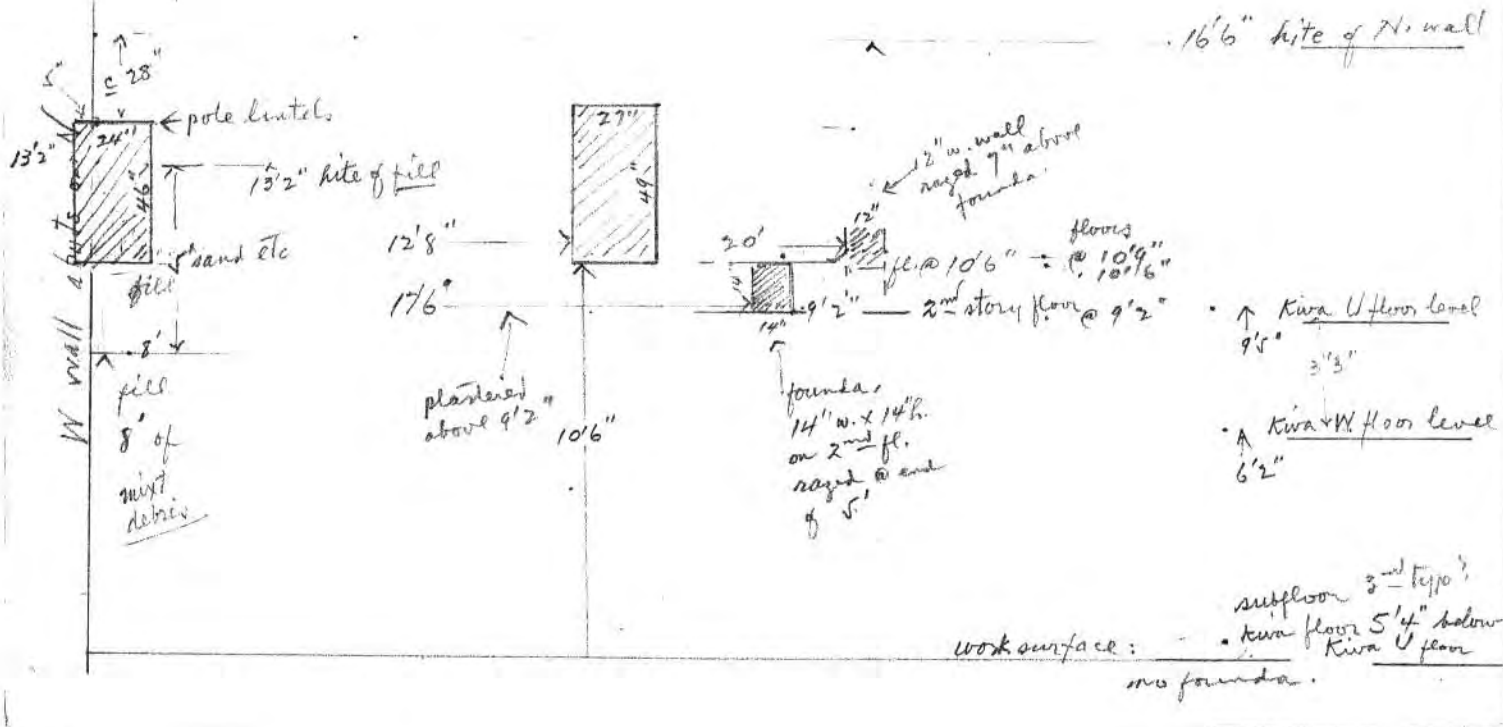
## Kiva W-7

abuts end of projecting E wall of R. 332 & extends S. 9'9" where it was raged 16" fr. rough E side of Kiva W enclosure. Here, in NE cor. <sup>of enclosure</sup> & built against the end of the R. 332 E wall on the last utilized Ct surface ( $\approx 15$ " above R. 332 floor level) is a section of nondescript but plastered masonry, 11" w. x 11" h. that extends E 35" to tie with unfinished W face of the enclosure's E wall (30" h.).

Outside this E wall & 26" below the bottom of it an exploratory trench revealed an earlier foundation, 38" h., that appears to be an extension of the 2<sup>nd</sup> N-S wall (raged 16" inside the square) & built upon the same level, 5'4" below Ct. surface @ NE cor. of the enclosure &  $\approx 10\frac{1}{2}$ " above base of the rebuilt wall betw. Kivas U & W.

N wall, Kiva W square

1" : 1"



## Kiva X <sup>2 ads</sup>

Aug. 1924

Small kiva W side of W. Ct. @ outer SE corner of O.B. Room 330. Not previously excavated.

Measures: Dia. @ floor, 13'3". Ceiling height, 7 1/2', est. Ceiling poles protrude fr. wall masonry @ W. Ct. level 6'5" above floor of R. 330 & 19" below sill of E door, R. 331.

Masonry: 3rd type but less distinctive than in dwellings. Many dressed blocks, mostly laminate s.s.; walls plastered full height. Decayed ends of ceiling poles extend horizontally fr. wall 5' above bench; held in place by single course of stones.

Bench: av. 17" w. x 30" h. South bench recess, 4'10" w. in front, 5'2" @ rear by 13" deep. On bench 6 masonry pilasters w. 17" w. x 31" h. rise flush fr. bench edge. No set back. Each pilaster contained 2 horizontal logs, 1 above the other: (1) 4" dia. & ca. 5" above bench; (2) av. 6" dia. entirely embedded in top of pilaster masonry. Both logs came flush to front of pilaster & were plastered over. Roof logs, av. 5" dia., paired upon pilasters; 2 lower series, 2 each; 3 logs in 3rd; decayed above. Flat dome indicated. (JPR #122 gave A.E.D. provisional date of 1024)

## Kiva X-2

North bench niche, unplastered, 17" above floor, 9" sq. x 11" d.

Ventilator changed from subfloor type to lateral. Original vent & tunnel — masonry-lined, slab-floored — abandoned & floored over. Tunnel 15" w. x 31" d.; had been ceiled 17" above its floor. Inner NE cor. 4'7" fr. E front S. recess; inner NW cor. 4'7" fr. W front. Vent shaft, 12" N-S x 10" with 8" th walls, rose outside & above S. bench recess. This subfloor ventilator abandoned & one of lateral type substituted thru middle rear wall of S. recess. Vent opening 9 1/2" w. x 17" h.; 2 stones, 1 red, other white, provided sill 6" h.; stick lintels over opening; connected with orig. shaft.

Fireplace, masonry-lined, 32" E-W x 24" x 10" d. with 6" th walls slightly above floor level, lies 6'4" fr. rear of S. recess.

Fill: stratified sand & water-laid adobe. In this 1533 sherds, 1 hammer, 1  $\Delta$  mans & 3 fpts, 4 pebbles, 1 s.s. Tablet fpt., 2 concretion cups, unworked, misc. flint chips, bird & mammal bones.

Subfloor: 1" under floor, crude bench founda. 10" h.; below, sandy ash & floor sweepings to depth 26" plus adobe chunks fr. razed walls.

Of 1533 Kiva sherds, 26.9% = OB types; 39.3% = L.B.; of subfloor sherds, 2% = Chaco-SJ; 9.7%

## Kiva Y

3rd

Rearranged & clarified 4/4/57

NBS Reg. 28515A  
Oct. 1924

9/6/24

Small shrine room built inside former dwelling in NW quarter, N of Kiva Z & W of Kiva R<sub>c</sub>. Probably overlies a 1<sup>st</sup> type house. Previously excavated; not described by Pepper (1920)c

Measures 10'4" dia. Estimated ceiling height, 7'6".

Highest standing walls: @ NE, 5'3"; @ SW, 6'10".

Masonry of rather uniform-sized s.s. blocks, mostly laminate, with limited banding; dubiously classed as 3<sup>rd</sup> type. SW & NE walls of inclosing room about outer 1<sup>st</sup> type SE wall of R. 112; NE wall, not visible, may be of 2<sup>nd</sup> type masonry, a continuation from that adjoining R. 57. Former house is evidenced by plastered & smoked walls behind built-in kiva.

South recess, 41" w. in front & 44" w. @ rear is 13" d. on E & 14" d. on W; rear stands 28" fr. SW wall of former dwelling.

Ventilator shaft, 14" sq. inside, with SE side 11" thick, NW & NE, 14", abuts SW end of former house 43" from its W corner. Outer NW cor. of shaft meets rear W cor. of recess; S. cor. of recess extends 5" beyond SE side of shaft.

## Kiva Y-2

Benches: SE of recess is deep shelf, its SW side extending fr. shaft 52" to S. cor. of former dwelling; its SE side, 51" fr. the corner to a 23"-long wall that meets inner face of kiva 31" fr. E. front of its recess. NW of recess & vent shaft is a similar shelf 43" w. on SW, 44" on NW. To a 29" l. wall that meets inner curve of kiva 31" fr. W front of recess. Both shelves are 32" above kiva floor & together might be likened to the deep, upper S recesses of San Juan kivas. Vent shaft rises @ middle rear of this combined shelf; is now 18" h. but formerly <sup>obviously</sup> perhaps to roof.

Ventilator opening, 15" sq. lies in floor 24" <sup>from rear</sup> in front of recess; opens from a masonry-lined, clay-floored duct 15" w. x 20" d., roofed with sticks just below kiva floor.

Fireplace, 21" NW-SE x 19" x 14" d., lies 13" beyond inner NE end of duct; is masonry lined & NE side has 4 1/2"-wide shelf 8" below kiva floor & backed by a slab on edge.

## Kiva Y-3

North niche in wall opp. SW recess & 29" above floor, is 39" w. in front, 47" w. @ rear x 19" h. & 1 1/2" deep on SE & 1 1/2" d. on NW. Stick lintels had rotted; walls of niche were plastered, whitered, & smoke-stained.

Fill: Since excavation by unknown parties, Kiva Y had collected blown sand to half its wall height.

Kiva Z.

Pepper print # 373 plainly shows Kiva 67  
SE of Kiva Z square.

estimated ceiling 9' 8/19/27

Excavated prior to 1920. Not described by Pepper; wrongly numbered 67 on Hyde's groundplan (Pepper, fig. 155). Diameter @ floor, 20'3"; above bench, <sup>25'8"</sup>28". Bench av. 2'8" w. x 23" h. South bench recess 15" d. on E.; 16" on W., 4'10" w. @ rear. Middle of recess 19" fr. kiva wall. Inner SW. cor. of recess 5'4" fr. inner NE. cor. of R. 324. Masonry is 4<sup>th</sup> type but with occasional blocks of dressed friable s.s. in lower 2' of wall. Highest wall, @ N., now stands 5'4" above bench. 6 pilasters all with masonry veneer. Ventilator shaft, 14 1/2" E-W x 13 1/2" inside, abuts N face of S. enclosing wall with inner W side 25" fr. 3<sup>rd</sup> type wall stub continuing N. from E side of R. 324. E 1/2 of enclosing square is also 4<sup>th</sup> type masonry abutting 3<sup>rd</sup> type wall @ Kiva Y & ~~3<sup>rd</sup> type reconstruction @ R. 324.~~

Subfloor 2<sup>nd</sup> type kiva noted under R. 324 also found in Kiva Z. Presumably 1<sup>st</sup> type wall, overbuilt by 2<sup>nd</sup> type, continues fr. R. 3 to R. 327 & 328.

Kiva 2-B.

3 cds.

4/20/26

Previously unrecorded kiva @ W side of E Ct., N of R. 146-148 & partly under R. 34. Vent. shaft, exposed in 1921 while removing Hyde Exped. ~~top~~ debris fr. R. 148, led to discovery. Roof @ Ct. level on which R. 146, 148, & 35-a were built.

<sup>3<sup>rd</sup></sup> Masonry mostly laminate s.s. banded in 3<sup>rd</sup> style & plastered. <sup>@ floor, 18'2"</sup> Above bench dia., 22'10". Est. ceiling height, 11 ft. Walls rise 7'11" ~~to~~ above bench to ceiling-pole offset 13" w. x 12" h. N. wall 20" th. W wall face passes under R. 34 @ 26'2" from R. 146-35-a outside corner & stands 12" inside R. 34 E wall which bridges kiva arc upon two 10-inch dia. logs. Inner N wall <sup>of Kiva 2-B</sup> 20" th., slopes outward 14" (8°) fr. perpendicular & stands 4' fr. inner S. face of Kiva 2-C which also slopes outward.

1899  
Neg. 11961A (Oct, 1921) shows decayed logs under R. 34 E. wall & upper segment of kiva wall outside R. 34.

## Kiva 2-B-2

Bench 26" h. x 28" w.; S. recess is 4'9" w. x 15" d. on E & 16" d. on W. Inner W cor. is 12'8" fr. union of R. 146 & 35-a; 9'4" fr. S.E. cor. of passage betw. R. 34 & 35a. Two pilasters, 1 on either side S. recess, were exposed in test trench. At bench rear they stand 10'2" apart, indicating a 6-pilaster kiva. Roof poles rotted & crushed together but 2 lowest tiers were in pairs; 3<sup>rd</sup> tier of 3 logs.

Fireplace, 8 ft. 4" fr. rear of S. recess, is 27 1/2" dia. x 19" d. masonry-lined & plastered. Lower 7" sand-filled <sup>Bottom of fp. 1 (@ 19") on earlier floor with masonry-lined fp. @ 26" sq.</sup> x 9 1/2" d. in floor of which is cup-shaped cavity 3" dia. x 3" d.

Ventilator, 20" w. x 20" d., in floor 6'11" fr. rear of bench recess; duct floored with slabs, masonry-lined & plastered, roofed with split cedar & floored over.

Masonry screen betw. floor vent. & fireplace overhangs latter by 6". Several loose s. s. blocks on floor S. of screen may have fallen from it.

## Kiva 2-B-3

Ventilator shaft, 14 1/2" dia., rises in masonry block c 32" sq., abutting N side R. 148c. Inner S side of shaft is 11" fr. R. 148; inner W side, 12' fr. R. 35-a; inner N side 3'10" fr. face of kiva wall @ bench level.

Fill: Stratified sand with occasional stone chips (no potsherds) covered floor to depth of 5'3"; blown sand & debris of reconstruction completed fill with many stones fallen fr. walls on S side. Several logs burned poles lay horizontally in fill about 8' above floor. No potsherds fr. lower sand fill but a few, including several of M.V. type, from upper 5 feet.

Kiva 2-c / 1st.

6/21/26

At NW 1/4 East Ct., S. of Kiva P; E of R. 212. Previously unknown. Point on N edge is 34'8" fr. outer NE cor. of Room 211 (R. 17). 5 20' fr. inner SE cor. R. 212; point on SE edge is 60' 25'4" from same 2 corners; 3<sup>rd</sup> point, on E edge, is 50'4" 31' fr. same 2 corners.

Measures: Dia. at floor, 21' est.; @ wall Top, ca 6" below last Ct. surface, 25'9". Ceiling height, 9'1/2' est. 7 floor exposed only in narrow test pit; earlier floors @ depths of 2" 5".

Masonry: banded 3<sup>rd</sup>-type & plastered; 19" thick. At N side, masonry stands 8'7" above bench plus a ceiling-pole offset 8" d. x 17" h. Walls slope outward.

Bench: 27" w. x 18" h.; bottom of it 8" below floor.

Roof timbers, collapsed & decayed; upper logs 5'1/2' above floor.

Fill: below fallen roof logs, mostly stratified blown sand; above logs, blown sand plus clay streaks laid by water action, occasional s.s. spalls & charcoal bits. No sherds in test pit.

Kiva 2-D

adjoining 7/1/26

Oval & unusual kiva SE 1/4 of West Court, E of Rs 350-351. Previously unknown.

Measures: @ floor, 19'11" E-W x 16'4". Ceiling height, 7'6" est.

Masonry: indefinite; includes both friable s.s. dressed & unworked & laminate s.s. with chinking of laminate & friable chips. Highest standing wall, @ SE, stands 5'4" or to within ca. 2' of surface.

Masonry smoothed before plaster was applied & later. Walls raked @ av. height of 4'1/2 ft.; av. 18" th. Inside <sup>face</sup> is 12'1" fr. E side of Ct., 4' fr. S. side @ NW cor. R. 137. No pilasters; no trace of ceiling timbers.

At E end, recessed banquette 8'2'1/2" w. in front, 9'5" w. @ rear x av. 21" d.; N end of bench 2'10" above floor; S. end 2'9". Front corners well finished of dressed friable s.s. appar. smoothed after placement.

At W end of room, banquette 19" deep, 8'2" w. in front x 9'3" @ rear; av. 2'7" above floor; N end had been reduced to within 4" of kiva floor. Both banquettes <sup>part</sup> surfaced with unplastered slab fpts.

Subfloor ventilator tunnel 5' l. x 15" w. x 19" d.; ceiled with split cedar 3" above its floor, extends under S. wall 9'7" fr. S. front of

## Kiva 2-D - v

E barquette; N end opening, 13" N-S x 15" w. Assoc. shaft not found.  
Fireplace with <sup>concave</sup> rounded corners orig. 3'8" N-S x 38" w. x 8" deep.  
reduced to 2'5" N-S by introduction of short sect. of masonry &  
slabs on end @ N side.

Internal ventilator: masonry shaft 26" E-W x 20" N-S abuts  
N wall, on floor, 6'5" fr. N front of E bench. In front of shaft, 6" fr.  
its outer SE cor. & 2" above kiva floor, is flue 12" w. x 19" h. Shaft is  
3'4" h. with top razed; is floored with metate fgt. 3" Th.

T-shaped recess 8" h. in N. wall 2" W of vent shaft. Upper  
part 4" h. x 8" w.; lower part, 4" w. x 6" h. & 23" above kiva floor.

Fill: Mixt debris of reconstruction & occupation thrown in  
fr. S. & W; in E 1/4 debris reconstruct. — adobe from razed  
walls & s.s. spells to Ct. level, 7'7". In debris not retained  
fgt. shell bracelet, arrowpts, bone awl fgt, turquoise fgt, worked  
& unworked, fgt 2 trough metates, 3 manos & 3 fgt, 13 hammers,  
misc. mammal & bird bones including 1 malformed deer antler  
@ first thought to be caribou.

## Kiva 2-E

3rd

HBR gets floor dia. of 12'7"

9-1-26

A small non-chaco kiva in SE cor. East Court  
W. of sub-floor kiva under R. 286. Dia. above bench, 15'3".

Ceiling: single E-W decayed beam across middle, resting  
directly upon walls 4'9" above bench, show original  
height as 7'7". At wall top a 6" d. offset, 6" h. @ rear,  
approx. 10" below last Ct. surface held ends of N-S poles.  
Walls 9" Th. Bench av. 13" w. x 34" h. Only S half excavated.

Masonry almost wholly of large dressed blocks  
of friable s.s. In face of bench, bands of small laminate  
blocks with larger blocks in rows. Bench & wall plastered  
& smoked to flat ceiling; 9 coats plaster counted.

South bench recess is 49" w. in front & 45" @ rear;  
5" d. on W & 10" d. on E end. Latter is @ L.S. with front  
cor. rounded. Directly above S. bench recess is wall  
recess, 9" d. x 49" w. @ front & 52" w. @ rear, extending  
full height of wall. Face of upper recess is 6' fr. R. 157-158.

## Kiva 2-E-2

Outer E edge of upper wall recess lies 21'3" fr. outer SW. cor. of Kiva 161 square & 20'11" fr. outer SW. cor. of R. 287.

Point on inner NE arc of kiva, 13'5" fr. E. end of upper S. recess, is 24' & 10'8" respectively fr. the same 2 corners. A point on the inner NW arc 14'9" fr. E. end of upper S. recess & 12' fr. the point on NE arc, is 33'3" fr. outer SW cor. of Kiva 161 square & 22'7" fr. outer SW. cor. of R. 287.

In bench face 15" E. of S. bench recess & 13" above floor, a 12" x 12" opening gave access to a repository 13" w. x 12" h. x 28" long, lined with unplastered masonry. Its SW cor. is 5" fr. W. side of opening. Wooden lintels are 2" lower @ rear than in front. A 2<sup>nd</sup> bench repository, plastered inside & with all corners rounded, lies 22" NE of 1<sup>st</sup> pocket & 27" above floor; it is 8" w. x 4" h. x 16" long & has stone lintel. A 3<sup>rd</sup> bench-face repository, W. of S. recess, was too broken for measurement.

## Kiva 2-E-3

Fireplace 5'8" in front of rear wall S. bench recess 19" dia. x 10" d. Sub-floor vent. tunnel 18" w. x 5'2" l. later reduced by 5" th. wall 3'9" fr. rear of recess; closed N. end floored over. Between fireplace & closed end of vent. masonry screen 6" h. Vent. tunnel turns @  $\perp$  to SW immediately under rear of bench recess. No pilasters.

Fill: Floor sweepings poured thru central hatchway had spread to all sides fr. middle height of 5'2". Remainder of fill, blown sand, chiefly around wall. Middle of roof had sagged to within 6" of trash pile.

Finds: misc. deer bones, 7 manos, misc. potsherds. Latter show mix of early & late types + higher proportions of MV, proto-MV, & Kayenta polychrome than in other E. Ct. trenches & test pits. Among <sup>proto</sup>MV frags, an inverted truncated bowl sherd with basket imprint outside (No. 1333). #366346.

No.

Name

Order

Remarks

Retouched

Order Finished

Reorder

Reorder

P. B. Brown  
- roof knight above court

PB Rooms - ceiling heights  
 - roof heights above court.  
 (in parenthesis)

(P) for Pepper

Floor to ceiling (P = Pepper)					With Roof estimates above court.				
Room	A	B	C	D	Room	A	B	C	D
1 C-19 1/2	6' P.	7'8 1/2 e	7'4 1/2 e		19 P	6' e	7'8" e		
2 C-19 1/2	6'3" P.	7'8 1/2 e	7'4 1/2 e		20 B-20	12' P.	9'8" e		
3 P.	8'5" (P)				21 P	Room	247BN		10-2 1/2
4 C-19 1/2	(Room 5)	6'7" P.	7'4 1/2 e		22 P	"	249B		
5 C-19 1/2	8'2" P.	(Room 4)			23 B-19	10' 0 e	8' 0 e		
6 C-19 1/2	8'2 1/2 y	7'8 1/2 e	7'4 1/2 e		24 P	16' P	Room 229B		
7 C-25 1/2	9' e	7'6 1/2 e	7' 0 e		25 B-20	11'4" e	10' 0 e		
8	7' e	(Room 9)			26 P	4 1/2 ft. W. Court			
9 C-24 1/2	7' e	6'5" e	7'8" e		27 A-9	7' 0 e			
10 C-24 1/2	7'	6'5 1/2 e	7'8" e		28 P B-7 1/2	6'6" P.	6'4"		in 1st type under 28'?
11 C-24 1/2	6'9" (P)	6'5 1/2 e	7'8" e		29 P B-10 1/2	6' e	7'8" e		
12 C-24 1/2	7' e	6'5"	7'8 1/2 e		30 P				
13 C-24 1/2	7' e	6'5" e	7'8 1/2 e		31 P				
14 B-32 1/2	8'9"	7'3 1/2 e	6'	6'6 e	32 P B-11 1/2	5' (P)	Room 52		
15 P		Room 298			33 P	6' e	Room 58		
16 A-8					34 A-9	7' 0 e			
17 A-9		Room 211			35 C-19 1/2	6'2" P	7'8 1/2 e	7'4 1/2 e	
18 P	5'7" P. N.E. of Wall 16				35a A-9	5" P.			
					36 C-19 1/2	7' 0 P.	7'8 1/2 e	7'4 1/2 e	

Room	A	B	C	D	Room	A	B	C	D
37 C-19 1/2	6'6" P.	7'8" e	7'4" e		55 B-17 1/2	6'5" P.	7' e		
38 C-19 1/2	6' P.	7'8" e	7'4" e		56 C-20 R.63 P	5'8" beam P.	(R.63)		
39 B-11 1/2	6' e	7'8" e			57 B-17 1/2	7'10" P.	7' e		
40 P	6' P.	(Not found by N.G.S.)			58 C-20	(R.33)	6'9" (P)	7'4" e	
41 P B-10 1/2	5'9" P.	7'8" e			59 A-10 Kura	11-0 e			
42 P B-10 1/2	6' e	7'8" e			60 B-20	8'10" e	9'0" e		
43 P B-10 1/2	7'0 (P)	7'8" e			61 C-19 1/2	6'3" P.	7'8" e	7'4" e	
44 P C-10 1/2	7' e	6'6" e	6' e		62 A-10	8'0 P.			
45 P B-10 1/2	6' e	7'8" e			63 C-20 R.56	(R.56)	7'7"	7'4" e	
46 P B-10 1/2	6'2" P.	7'8" e			64	dump.			
47 P B-10 1/2	7' P.	7'8" e			65 A-12	9'0 e			
48 P	6'3"	5'0 P.			66 A-12	9'0 (P)			
49 P	R.48 }	16'0 P.			67 A-10 Kura	10-0 e			
50 P		7'0-0 P.			68 A-11	9'0 e			
51 P B-11 1/2	6' e	7'8" e			69 A-11	9'0 e			
52 P B-11 1/2	R.32.	7'8" e	(?)		70 B-18	5'0 P.	9'10-0 e		
53 P B-11 1/2	6' e	7'8" e			71 B-12	7'6" e	7'6" e		
54 C-19 1/2	6' e	7'8" e	7'4" e		72 A-10	8'0 e			

Room	A	B	C	D	Room	A	B	C	D
73 P	Room 228B				91 P	(over R.33) 8'5" (P)	7'8" e		
74	sw cor. Room 75				92 P	(R.97)	7'8" e		
75 A-10 Kura					93 B-21	8'6"	9'8" e		
76 B-20	9'5" e	9'8" e			94 B-21	10' e	9'8" e		
77 B-20	9' e	(R.82)			95 B-21	10' e	9'8" e		
78 B-12	7'2" (P)	7'6" e			96 B-21	9'8"	9'8" e		
79	N.E. cor. Room 75				97 P	7' e	(R.92)		
80 B-20	9' e	9'8" e			98 C-29	8'10" e	9'8" e	8'0 e	
81	N.W. cor. Room 75				99 C-29	8'10" e	9'8" e	8'0 e	
82 B-20	9' e	9'8" e			100 P	8'11" (P)	8' e	7' e	
83 B-12	6' P.	7'6" e			101 B-21	8'6" e	9'8" e		
84 C-19 1/2	7'6" e	7'8" e	7'4" e		102 C-20	9' e	8' e	7'0 e	
(14-85) B-12	9' e	7'6" e			103 C-20	7'11" e	8' e	7'0 e	
86 C-21	10' e	7'1" e	8'4" e		104 P	7' e	5'7" e	3'4" e	6' e
87 C-29	10'2" e	9'6" e	8'0 e		105 B-20	12'8" e	10'0 e		
88 C-29	10'9" e	9'6" e	8'0 e		106 B-20	12' e	10' e		
89 C-29	10'9" e	9'6" e	8'0 e		107 C-20	7' e	8' e	7'0 e	
90 B-20	8'8" e	9'8" e			108 B-11		9'4" e		

Room	A	B	C	D	Room	A	B	C	D
181 <sup>D-373</sup>	7'4" <sub>1</sub>	10'6" <sub>1</sub>	8'0-0 <sub>e</sub>	8'6-6 <sub>e</sub>	199				
182 <sup>D-373</sup>	7'6" <sub>1</sub>	10'6" <sub>e</sub>	8' <sub>e</sub>	8' <sub>e</sub>	200 <sup>D-373</sup>	9'10" <sub>1</sub>	8'6 <sub>1</sub>	7'8-0 <sub>e</sub>	
183 <sup>D-373</sup>	7'2" <sub>1</sub>	10'0 <sub>1</sub>	8' <sub>e</sub>	8' <sub>e</sub>	201 <sup>D-373</sup>	9' <sub>e</sub>	8'6 <sub>e</sub>	7'8-0 <sub>e</sub>	
184 <sup>D-373</sup>	7'4" <sub>1</sub>	9'2" <sub>1</sub>	8' <sub>e</sub>	8' <sub>e</sub>	202 <sup>D-373</sup>	9'10" <sub>e</sub>	8'6 <sub>e</sub>	7'8-0 <sub>e</sub>	
185 <sup>D-373</sup>	7'2" <sub>1</sub>	9'6" <sub>0</sub>	8' <sub>e</sub>	8' <sub>e</sub>	203 <sup>D-373</sup>	9' <sub>e</sub>	8'6 <sub>e</sub>	7'8-0 <sub>e</sub>	
186 <sup>D-373</sup>	7'2" <sub>1</sub>	9'8" <sub>e</sub>	8' <sub>e</sub>	8' <sub>e</sub>	204 <sup>D-373</sup>	9'10" <sub>e</sub>	8'6 <sub>e</sub>	7'8-0 <sub>e</sub>	
187 <sup>D-373</sup>	7'4" <sub>1</sub>	9'8" <sub>1</sub>	8' <sub>1</sub>	8' <sub>e</sub>	205 <sup>D-373</sup>	unexcavated		8-0 <sub>e</sub>	
188 <sup>D-373</sup>	unexcav.	9'3" <sub>1</sub>	8' <sub>1</sub>	8' <sub>e</sub>	206 <sup>D-373</sup>	"	8-6 <sub>e</sub>	8-0 <sub>e</sub>	
189 <sup>D-373</sup>	unexcav.	9'0" <sub>1</sub>	8'8-6 <sub>1</sub>	8'8-6 <sub>e</sub>	207 <sup>D-373</sup>	"	8-6 <sub>e</sub>	8-0 <sub>e</sub>	
190 <sup>P</sup>	in E court				208 <sup>D-373</sup>	"	8-6 <sub>e</sub>	8-0 <sub>e</sub>	6' <sub>e</sub>
191					209 <sup>D-373</sup>	9'6" <sub>1</sub>	7'3" <sub>1</sub>	6'8-0 <sub>e</sub>	6' <sub>e</sub>
192					210	6'6" <sub>1</sub>	in notes		
193					211 <sup>Calypso</sup>	7'8-0 <sub>e</sub>			
194					212 <sup>A-9</sup>	7'8-0 <sub>e</sub>			
195					213 <sup>A-9</sup>	7'8-0 <sub>e</sub>			
196					214 <sup>filled</sup>	filled <sub>e</sub>			
197					215 <sup>A-8</sup>	7'8-0 <sub>e</sub>			
198					216 <sup>A-8</sup>	7'8-0 <sub>e</sub>			

Room	A	B	C	D	Room	A	B	C	D
217 <sup>A-9</sup>	8'7" <sub>e</sub>				235 <sup>A-19</sup>	5'6" <sub>1</sub>			
218 <sup>A-8</sup>	8'8" <sub>e</sub>				236 <sup>A-19</sup>	W. side			
219 <sup>A-10</sup>	8'8" <sub>e</sub>				237 <sup>A-253</sup>	7'1-0 <sub>e</sub>			
220 <sup>A-2</sup>	no roof				238 <sup>A-17</sup>				
221 <sup>A-11</sup>	no roof				239 <sup>A-19</sup>				
222 <sup>A-10</sup>	8'0 <sub>e</sub>				240 <sup>A-18</sup>	unexcav			
223	no roof				241 <sup>C-28</sup>	8'8" <sub>1</sub>	9'8" <sub>2</sub>	8'0-0 <sub>e</sub>	
224	" "				242 <sup>C-28</sup>	8'4" <sub>1</sub>	9'7" <sub>4</sub>	8'0-0 <sub>e</sub>	
225 <sup>C-28</sup>	8'9" <sub>6</sub>	9'0" <sub>10</sub>	8'0-0 <sub>e</sub>		243 <sup>C-29</sup>	7'7" <sub>1</sub>	9'2" <sub>0</sub>	8'0-0 <sub>e</sub>	
226 <sup>C-28</sup>	8'3" <sub>1</sub>	9'9" <sub>11</sub>	8'0-0 <sub>e</sub>		244 <sup>C-27</sup>	7'2" <sub>9</sub>	9'4" <sub>10</sub>	8'9-6 <sub>e</sub>	
227 <sup>C-28</sup>	9'4" <sub>1</sub>	8'2" <sub>1</sub>	8' <sub>e</sub>		245 <sup>B-20</sup>	6'9" <sub>3</sub>	8'6" <sub>4</sub>		
228 <sup>C-28</sup>	9'0" <sub>2</sub>	9'0" <sub>7</sub>	8'0-0 <sub>e</sub>		246 <sup>B-20</sup>	11'4" <sub>10</sub>	7'8" <sub>6</sub>		
229 <sup>C-28</sup>	7'8" <sub>9</sub>	9'0" <sub>4</sub>	8'0-0 <sub>e</sub>		247 <sup>B-20</sup>	7'8" <sub>2</sub>	8'2" <sub>1</sub>		
230 <sup>A-11</sup>	W. side				248 <sup>B-20</sup>	13'6" <sub>1</sub>	8'6" <sub>1</sub>		
231 <sup>A-18</sup>	SW cor. W. side				249 <sup>B-20</sup>	7'9" <sub>8</sub>	8'6" <sub>4</sub>		
232 <sup>A-18</sup>	N.W. cor. W. side				250	4'7" <sub>1</sub>			
233 <sup>A-18</sup>	6' <sub>1</sub>	W. side			251 <sup>B-20</sup>	6'2" <sub>1</sub>	8'6" <sub>0</sub>		
234 <sup>A-18</sup>	SE cor. W. side				252 <sup>B-20</sup>	6'6" <sub>1</sub>	8'6" <sub>0</sub>		

Notes									
Room	A	B	C	D	Rooms	A	B	C	D
253 A-15	6'6" e				271	SE corner			
254 A-8 1/2	count				272 A-8	6'4" 2			
255 A-9	5'10" y				273 A-8	7'8" calc. <sup>trans</sup>			
256 C-29	7'6" 3 y	9'9" 6 y	8'9" 6 e		274 C-29	7'3" 9 y	9'0" 0 e	8'1" 6 e	
257 C-29	7'7" 4 y	9'2" 0 y	8'9" 6 e		275	4'2" 0 y	SE. cor. 10m F		
258 C-29	7'8" 5 y	9'3" 0 e	8'9" 6 e		276		NE. cor. 10m F		
259 C-29	7'7" 4 y	9'9" 1 9 e	8'9" 6 e		277	4' e	Between 10m 20 F + y		
260 C-29	7'5" 2 y	9'0" 6 e	8'9" 6 e		278 A-9		S.W. 10m E		
261 C-29	7'8" 4 y	8'6" 0 e	8'9" 6 e		279 A-10		SE 10m E		
262 B-20	6'6" 4 y	8'6" 0 e			280 A-10		SE. 10m 10		
263 B-20	10'5" 2 y	8'6" 0 e			281 A-8		S. y 10		
264 B-20	9'3" 0 y	8'6" 0 e			282 A-9	8' e	S.W. 10m 10		
265 B-20	10'7" 2	8'6" 0 e			283 A-8				
266 B-20	10'4" 0 y	8'6" 0 e			284 A-9		SE cor 10m 10		
267 B-20	9'4" 0 y	8'6" 0 e			285 A-7 1/2	6' e			
268 A-8	5'6" 4 y				286 A-0	count			
269 A-9 1/2	6'4" 4 e				287 A-8	7'6" 0 e			
270	NW 10m I				288 A-8	7'6" 0 e			

Notes									
Room	A	B	C	D	Room	A	B	C	D
325 B-10 1/2	9'0" 0 y	8'9" 4 e	(used as dump)	10m 20	343 A-8	9'6" 0 e			
326 B-10 1/2	9'7" 2 y	8'9" 4 e			344 A-8	9'0" 0 e			
327 B-8	4'3" 9 y	7' ? e			345				
328 B-8	7'8" 6 y	7' e			346				
329 A-1	7'3" 9 y				347	no room			
330 B-10 1/2	8'9" 1 0 y	8'0" 0 e			348 A-2	6'0" 0 e (subcount)			
331 A-6	6'0" 0 e				349 A-2	filled			
332 A-6	6'0" 0 e				350				
333 B-20	12'0" 0 e	10'0" 0 e			351				
334 B-19	12'0" 0 e	10'0" 0 e			352				
335 A, B-20	6'2" 2 y	10'0" 0 e		← R335A2 5'7" e	353				
336 A-10	12'0" 0 e				354				
337 B-19	10'10" 0 e	10'0" 0 e			355				
338 B-19	10'10" 0 e	10'0" 0 e			356				
339 B-19	12'0" 0 e	10'0" 0 e			357				
340 A-8	9'6" 0 e				358				
341 A-8	9'0" 6" 0 e				359				
342 A-8	9'0" 6" 0 e				360				

Room	A	B	C	D	Room	A	B	C	D
289 A-9	7'6" e				307 B-10	5'7" 1/2 g	7'8" e		
290 A-10	7'6" e				308 B-8	5'5" 9/16 g	6'6" e		
291 A-10	7'6" e				309 A-5	6'6" e			
292					310	no roof			
293 C-29	8'6" e	9'8" e	8'6" e		311 A-9	5'0" e			
294 C-29	8'2" 11/16 g	9'8" e	8'6" e		312 A-9	7'6" e			
295 C-29	7'4" 3/8 g	9'8" e	8'8" e		313	no roof	cut		
296 C-19	9'9" 9/16 g	6'6" e	7'8" e		314 A-10	6'8" e			
297 C-29	unexcav.	7'6" 10" e	8'8" e		315 A-1	7'8" 6 g			
298 C-19	6'2" 0 g	6'5" 3 g	7'8" e		316 A-1	8'8" 6 g			
299 D-22	9'9" 1/2 beam	7'3" 9 g	6'8" 6	6' e	317 C-20	7'10" 4 g	8'6" e	8'0" e	
300 C-25	unexcav.	7'3" e	6'8" e		318 C-20	9'9" 9 g	8' e	8'0" e	
301 D-24	"	7'3" e	6'7" e	6' e	319 C-20	8'6" 4 g	8' e	8'0" e	
302 C-25	"	7'3" e	6'7" e		320 C-19	7'11" 8 g	8'5" 2 g	8'8" e	
303 C-25	"	7'3" e	6' e		321	NW cor	down 67		
304 C-25	9'7" 10 g	7'3" e	6' e		322	SW "	down 67		
305 C-25	7'10" e	7'3" e	6' e		323 B-11	10'9" g	8'4" e		
306 B-10	6'10" g	9'8" e			324 A-8	7'6" 0 e			

### Data for Kiva roof heights.

- A. 6'3" from bench to poles on N. 6'2" to floor R148
- B. 9'2" from bench to floor level of R220.
- 161. 9'5" to roof top
- C. 11' bench to top wall on E. 10' ceiling?
- D. 11'8" " " " on W. 10'8" " " ?
- E. 8' " " " on E. 5'5" top pile under. 6' above bench ceiling?
- F. 8' " " " on S. 7' bench to ceiling?
- G. 8' " " " on NW
- H. 8' " " " on N. 7' bench to ceiling?
- I. 8' " " " on S
- J. 8'6" " " " on S
- K. 7' " " " on S
- L. 9' " " " on S, 8' bench to ceiling pole
- M. 8'4" " " " floor R314
- N. 8'5" " " " top opening from R87.
- Q. 12' " " " outer W. side 211
- R. 7'5" bottom ceiling offset on W
- 8'8" top

Floor to ceiling - estimated

Kiva.		A	Kiva.		A
A	A-2 ?	9'2-0 e	R	A-1	9'10" 161 10'6"
B	A-2	11'28" e	S	Filled (A-0)	9'7" 162 10'
C	A-19	12'31" e	T	A-7	9'6"
D	A-18	13'3-6 e	U	A-9	8'10"
E	A-9	8'11'7" e	V	A-9	8'-0 e
F	A-10	9'36" e	W	A-7	10'-6 e
G	A-9	11'2-0 e	X	A-1/2	7'6"
H	A-9	19'2-0 e	Y	A-9	7'6" e
I	A-9	9'16" e	Z		9'
J	A-9	10'6" e	2B.		11'
K	A-8	9'10" e	2C		9'6"
L	A-1	9'11" e	2D		7'6"
M	A-0	9'	2E		7'7"
N	A-0	9'6"	16		-
O	A-1	unexcav.	59		8'
P	A-1	11'6"	67		-
Q	A-0	19'3-0 e	75		-
			130		-

Data for kiva roof heights.

- Y. 7'6" floor to ceiling ?
- 67 8'6" " " ?
- W. 5'6" to top pilaster 7'6" to ceiling ?
- U. 6' bulk to roof ?
- V. 6' bulk to roof.
- 59. 8' floor to roof ?
- T. roof about same as in 334

Room	A	B	C	D	Room	A	B	C	D
109 <sup>B-11</sup> P		<del>9'4" e</del>			127 <sup>B-20</sup>	12' e	10' e		
110 <sup>B-20</sup> P	7'5" e	7'9" e	7' e	6' e	128 A-8	9'6" e			
111 <sup>B-20</sup> P	(R.30?)	7'9" e	7' e	6' e	129 A-8	9'6" e			
112 <sup>B-11</sup>	10' e	9'8" e			130 <sup>A-4</sup> R.30				
113 <sup>C-20</sup>	10' e	7'7" e	8'0" e		131 A-8	9'10" e			
114 <sup>B-21</sup>	10'4" e	9'8" e			132 A-8	9'10" e			
115 <sup>B-21</sup>	10' e	9'8" e			133 A-8	9'10" e			
116 <sup>B-21</sup>	11' e	9'8" e			134 A-8	9'10" e			
117 <sup>B-20</sup>	12'4" e	10' e			135 A-8	9'10" e			
118 <sup>B-20</sup>	12'0" e	10'0" e			136 A-8	9'10" e			
119 <sup>B-20</sup>	12'8" e	10'0" e			137 A-8	9'10" e			
120 <sup>B-20</sup>	12' e	10'0" e			138				
121 <sup>B-20</sup>	12' e	10'0" e			139 <sup>North of 138</sup> P				
122 <sup>B-20</sup>	12' e	10'0" e			140 A-10	8'0" e			
123 <sup>B-20</sup>	12' e	10'0" e			141 A-10	8'0" e			
124 <sup>B-20</sup>	12' e	10'0" e			142 A-10	8'0" e			
125 <sup>B-20</sup>	12' e	10' e			143 A-10	8'0" e			
126 <sup>B-20</sup>	12'3" e	10' e			144 A-10	8'9" e			

Room	A	B	C	D	Room	A	B	C	D
145 P	w. of R-214				163 <sup>A-8</sup>	7'6" e			
146 A-8	7'0" e				164 <sup>A-8</sup>	7'6" e			
147 P	N. of 146 + E. of 35A				165 <sup>A-8</sup>	7'6" e			
148 A-8	7'6" e				166 <sup>A-9</sup>	7'6" e			
149 A-8	7'6" e				167 A-9	dump.			
150 A-8	7'6" e				168 <sup>B-19</sup>	10'0" e	9'8" e		
151 A-9	9'10" e				169 <sup>B-19</sup>	10'0" e	9'8" e		
152 A-9	9'10" e				170 <sup>B-19</sup>	7'9" e	9'10" e		
153 A-8	9'10" e				171 <sup>C-28</sup>	11'9" e	9'8" e	18'0" e	
154 A-8	9'10" e				172 <sup>C-28</sup>	10'6" e	9'8" e	16'0" e	
155 A-8	9'10" e				173 <sup>C-28</sup>	8'10" e	10'6" e	8' e	
156 A-8	9'10" e				174 <sup>C-28</sup>	9'9" e	10'2" e	8' e	
157 A-8	9'10" e				175 <sup>C-28</sup>	8'6" e	10' e	8' e	
158 A-8	9'10" e				176 <sup>C-28</sup>	8'6" e	10' e	8' e	
159 <sup>B-19</sup>	10'0" e	(R.1600)			177 <sup>C-28</sup>	8'2" e	10' e	8' e	
160 <sup>B-19</sup>	10'0" e	9'8" e			178 <sup>C-28</sup>	7'8" e	10'4" e	8' e	
161 <sup>A-8</sup> R.30	12'0" e				179 <sup>C-28</sup>	9'6" e	10'6" e	18'0" e	
162 <sup>A-8</sup> R.30	12'0" e				180 <sup>O-37 1/2</sup>	7'6" e	9'8" e	18'0" e	9'6" e

# Pepper's Darkroom

(Pepper, 1920, p. 300) "R. 93 is the 2<sup>nd</sup> room south [SW] of the darkroom ..."

Fig. 137, p. 331 titled "Detail of Ceiling of Room 112" is roof of room betw. R. 100 & R. 200, Hyde Exped. darkroom. Pepper's unpublished print #126, marked "darkroom" further identifies it.

Pepper, p. 318, R. 100 "just west of & next to the old darkroom & east of Rooms 93 & 101."

p. 297 says 4 ceiling logs extended 8 ft. beyond SE wall.

## Room 3 <sup>2 chs</sup> (Pepper, 1920, pp. 39-43)

An open, underground room "reached thru a series of open rooms, extending in a NE direction" (p. 39)

[P. 220, <sup>states</sup> ~~implies~~ forced opening in SW wall of R. 58 gave access to these underground, open rooms.] TR. 91 is 2<sup>nd</sup> story of R. 3 (p. 297)

Measures: ~~W~~ [NE] 12'6"; ~~S~~ [SW], 11'5"; ~~E~~ [SE] 15'; ~~W~~ [NW] 15'4".

Ceiling h. 8'5".

Finds : include squash pot [Fig. 9, p. 41 - on floor of R. 91], 5 manos & fgt., corncobs, bird & mammal bones (p. 43).

Ceiling  on 4 beams, av. 12" dia., fr. E [SE] to W [NW]; on them crosspoles 2-4" dia. "strapped together with yucca strings."

Above poles, layer  split cedar  & a lobe floor of upper room (p. 40)

Plaster, in places 4" th., heavily smoked. E [SE] wall "of the  post variety , with stones betw. the posts (p. 40). [Figs. 127-128, pp. 307-308, show interior of R. 3a or R. 97].

Hatchway , 1 ft. each fr. S [SW] & E [SE] walls was 3' l. x 2' w. & "when found was sealed with matting & bundles of cedar bark tied with yucca leaves"

& covered by s.s. slabs (p. 43) Mat-covered hatch in R. 3a (p. 44)

1st type 1st story, 2nd type masonry in SE wall of 2nd story. Split cedar above 2nd type masonry.

Vent tunnel not described!

# R. 3-2

Slab-lined fp., 24" x 18", & 1 ft. E [SE] of it a 12" sq. vent the "entrance to a passageway" that extended under SE wall & to surface. Below SE edge of vent, "a number of upright sticks" (p. 40). [Fig. 41, p. 41, <sup>2nd story</sup> shows vent, fp. & part of slab-on-edge screen betw. vent & fp.]

Niche 3'4" p. x 20" h. in S [SW] wall, 22" above ceiling beam & 2" fr. E [SE] wall extended into wall 2 ft. Board lintels, jambs plastered, rounded @ rear, & extended thru & into next room [Kiva Y square]. "The side walls of this niche were 1'2" th. — shoulders of blocked T-door? — lower part only 12" w. (p. 40). SW wall of R. 3 not described but probably 1st type; abuts on SE & NW walls. Kiva Y built upon filled 1st story 1st type room?

Door in W [SW] end of E [SE] wall, 6'8" fr. E [NE?] wall & 2' fr. ceiling, was 3'h. x 18" w. "Formerly extended almost to the ceiling." Partly blocked? Had led thru 2nd story wall to terrace above Kiva R. Much of Pepper's descrip. seems to apply to 2nd story, R. 91. R. 3 is 1st story of R. 91 (Pepper, p. 267).

## Room 3a <sup>2ds.</sup> from Pepper, 1920, pp. 43-44.

Located "directly E [NE] of & adjoining R. 3... the 2nd of the series mentioned in the description of R. 3." (p. 43).

Measures: N [NE] 14'4"; S [SW] 12'6"; E [SE] 10'; W [NW] 10'2". Not worked in 1896; later cleared as R. 97 (p. 304).

Ceiling beams "from N to S [NE-SW] (clearly seen in Pepper's fig. 127-128, pp. 307-8) were fr. 2-4" th. & supported a layer of poles & brush" (p. 44). "Main beams, E-W [SE-NW], c. 10" dia., built into the top of the N [NW] & S [SE] walls." (p. 44). Middle ceiling had sagged, acct broken beam. (p. 44)

Posts av. 3" dia. in SW [W?] & SE [S?] corners, extending thru ceiling (p. 44).

Ceiling hatchway. "There was a door in this room which had been covered with matting, part of which was still in place" (p. 44). This appears to be same hatchway described (p. 43) as tho in R. 3.

Partition [see Pepper's figs. 127-128, pp. 307-8]. "Ten feet from

R. 3a - ✓

R. 91 is 2<sup>nd</sup> story of R. 3 (p. 297)

R. 92 adjoins R. 91 on NE (p. 298)

R. 97 is same as 3a, under R. 92 (p. 304)

bricks

The S [SW] wall [this is error for SE side of room is given as 10'] & joining the E [SE] wall was a partition (p. 43) about 8" thick, which extended northward [NW] 4'4", reaching to the ceiling @ all points except the extreme western [NW] end, which was 5" below the ceiling beams. This wall was composed of poles placed ... perpendicular ... to which cross beams were tied, the whole being covered with mortar. The E [SE] wall of the main room [R. 3, p. 40] was of this type, but on a larger scale" (p. 44). Hence post & stone SE wall in Rs. 3 & 3a, 1<sup>st</sup> type, # probably remodeled for support of 2<sup>nd</sup> story 2<sup>nd</sup> or 3<sup>rd</sup> type as shown by Pepper's Figs. 127-128, pp. 307-8.

Door in W [NW] wall 2 1/2' w. & 2' below ceiling beams (p. 44).

In NW [N] corner, 3'7" below ceiling beams, door to R. 3b. Since "the western [NW] wall ... formed one side <sup>(jamb)</sup> of it. This doorway was really ... a passage ... 4 ft. long. The opening in R. 3a was 1'6" w. but on the opposite, or N [NE] end of the passage, it was 6" wider. The room to which the passageway led will be known as R. 3b." (p. 44)

### Room 3b (2 cds)

Adjoins R. 3a (97) on NE as 1<sup>st</sup> story of R. 110.

Measures: NW, 6'; NE, 10'; SE, 6'; SW, 13'. Floor to ceiling poles, 7'5".

Masonry: 1<sup>st</sup> type, heavily plastered & finger pressed; smoke stained.

Juniper post, 2" dia., embedded in SW wall 22" fr. NW cor.

Ceiling: 23 poles - cottonwood, pine, juniper, pinyon & what Navaho call "aspen". Pole, cottonwood 5 1/2" dia., protrudes <sup>37"</sup> fr. NW wall 26" fr. W. cor. 37"; its S. end formerly resting upon northernmost ceiling pole. This 37" pole supported 5 short sticks slanting down to wall @ each side to form "platform" @ N. end of 2<sup>nd</sup> story R. 3b, Chico brush covers ceiling poles, then adobe mud.

Door, SW wall 4'7" fr. S. cor. & 25" above floor thru orig. 1<sup>st</sup> type masonry, 20 1/2" w. x 19 1/2" across sill x 28" h. to 6 pinyon lintel poles; 2" below, single lintel pole 10" fr. inner wall. Secondary jambs, rounded adobe, smoked, slant down fr. secondary lintel to support door slab fr. R. 97. Bearing of SW wall, 27° W of N; of SE wall, 48° E of N.

Sill depth increased by 23" of 3<sup>rd</sup> or coarse 2<sup>nd</sup>-type masonry built

R. 3b - 2

outside 1<sup>st</sup> type SW wall, forming new face for NE end of R. 3a; 7 3" pine lintels cover added door depth.

Break in NW cor. ceiling (Pepper, p. 329) & holes thru NW & NE walls (ibid., p. 220, 329) repaired by Nat. Park Service in 1926; ~~also built steps fr. surface down to R. 3b. SW door.~~

Pepper, p. 44, notes R. 3b as "the 2<sup>nd</sup> room ... N [NE] of R. 3"; ceiling of logs, 3-6" dia., extending N [NE] & S [SW]; layer of twigs above; post, 8" dia., @ NW end of R., 2'4" fr. S [SW] wall as support for E-W [NE-SW] beam; door, SW wall, "5'8" from the W [NW] wall ... was 2'6" in height;" nothing re. holes broken thru NW & NE walls or NW floor; R. 3<sup>b</sup>, partly filled with sand, not worked [in 1896].

In 1923 NGS, built steps @ NE end of R. 3a leading down to 3b.

Red ink measurements are those  
of Henry B. Roberts.

## Room 3c. <sup>2 cds</sup>

Pepper (1920, p. 44) says "This room is directly west [NW] of R. 3b" & was entered "thru a hole which someone had broken in the west [NW] wall." Obviously he means NW wall of R. 3b for he writes (p. 330) "The lower part of this room [R. III adjoining 3b on NW] was broken into thru the S [SE] wall [in 1896]... (p. 44). Again, the room "directly beneath R. 110 [3d] is the one thru which we gained entrance to the series... thru a hole broken in the wall" (p. 329) c. This was the NE wall for Pepper writes (p. 220) "entrance to an open series of rooms which extended in a northeasterly direction from R. 3d" was gained thru a hole broken in the SW wall of R. 58. And a hole thru the NW cor. floor of 3d gave access to 3b. These holes were all repaired by the NPS. in 1926.

Measures: N [NE] 12'4"; S [SW] 10'5"; E [SE] 10'9"; W [NW] 10'9". These dimensions don't agree with any visible part of R. 110 or 111.

## R. 3c - v

Ceiling poles 3" dia. from N to S [NW-SE?]; 3 poles in N [NW?] wall extended thru from next room (p. 45)

Post 9" dia. in W cor., 22" fr. NW wall & 3" fr. SW, supported single E-W [NE-SW?] beam.

Door 17" w. & 22" fr. ceiling thru E [NE?] wall 5'5" from W [NW?] wall. [No W door reported in R. 58 or 63; no door into R. 3b].

Room 3d <sup>2nd</sup>/<sub>1st</sub>

N.G.S. Map, 18636A (2709, 1922) shows Navaho standing on Hyde Exped. trail @ level of R. 3d. door.

Second story of R. 110 (Pepper, 1920, p. 329); above 3b.

Measures: NW <sup>5'11"</sup> 5'10"; NE, 10'4"; SE, <sup>5'10"</sup> 5'10"; SW, 11'8". Floor to ceiling poles, <sup>7'9"</sup> 6'5"

Masonry: 1<sup>st</sup> type; thickly plastered & finger imprinted; walls twice whitened. Corners rounded; walls & ceiling lightly smoked. Ceiling of 19 NE-SW poles - cottonwood, juniper, pine & piñon & what Navaho identify as <sup>7</sup> aspen (teez - pi). Coarse grass ( ) above poles; then adobe.

NPS repairs

Platform, 8" h. x 30" d., x entire room width @ NW end, caused by raised poles in ceiling of R. 3b, below. Upper front edge of platform repaired by NPS in 1926. Also hole middle NE wall, broken thru fr. R. 58 (Pepper, p. 220) & in floor @ NW end in front of platform (p. 329).

SW Door, 37" fr. S. cor. & 20" above floor is 29" w. x 40" h. to 8 2-inch pine lintels; 21" across sill; opens into R. 92 (2<sup>nd</sup> story of R. 3a or 97). Jambs, thickly plastered & slightly convex. This 1<sup>st</sup> type wall abutted by 3<sup>rd</sup> type NE wall of 92.

Room 3d (Pepper, 1920, p. 45) (p. 45)

Wrongly located "directly above R. 3c" R. 3b below 3d.

Measures: N [NE] 10'; S [SW], 10'5"; E [SE] 5'8"; W [NW] 5'11".

Ceiling poles, N-S [NE-SW] 2-3" dia.; "above them a number of rushes, most of them very small, & above these was a 2" layer of grass." Pendant fr. ceiling on E [NE?] side, 2 yucca loops.

South [SW] door 3' fr. E [SE] wall, 2'8" w. x 4'8" h., "seemed to be an entrance to a passageway..." (p. 45)

SW wall 18" th., i.e., the 1<sup>st</sup> type inner wall; built against it on opp. side is the 3<sup>rd</sup> type NE wall of R. 92.

Platform @ W [NW] end @ 1 ft. high x 3' broad, extended fr. N to S [NE-SW] walls.

SW door, ceiling, & platform identify this as above 3d, not 3c (p. 45)

compare SW door with that in 3a (p. 44) & 92 (p. 299)

Room 6 (2 cds)

6/19/21 -

First floor room numbered & excavated by Pepper; 2<sup>nd</sup> story (6a) walls partly covered with debris from nearby excavations. We reopened it as ~~only~~ means of certain identification.

Lower room filled to depth of 4' with debris which had fallen thru hole in E. end since Hyde excavations. In this rubbish, several artifacts found; those not cataloged are: several concretions & frags of ceremonial sticks; 4 frags. of strombus shell; 2 frags. agaveash rind; part of <sup>walnut</sup> ~~hickory~~ nut; tail bone of deer & antler <sup>frag.</sup>

Room measures: 10'11" on N; 10'10" on S; 6' on E.; 5'6" on W. Beams are 7'8" above floor; <sup>ceiling poles, 8'2"</sup> latter is paved with slabs laid in adobe mud.

Masonry of old 1<sup>st</sup> type - large, undressed s.s. slabs laid in large quantities of mud. Rough masonry was plastered. Plaster mostly missing from N. wall. Base of walls formed by upright slabs from 12" to 20" h. North 2/3 of E. wall had been broken out ~~no trace of door~~ <sup>to</sup>. Small hole, evidently cut thru N. wall by earlier excavators, reveals a possible stone & earth fill beneath floor of R. 201.

See Pepper, 1920, p. 47

R. 6-2

JPS # 82 gives AED no date for this post.

Door, 20" w. x 26" h. x 24" over sill opens thru middle <sup>SE</sup> wall, 3'9" above floor. Jamba plastered & <sup>concave</sup> ~~convex~~; 4 cottonwood sticks form lintel. Three steps to door: (1) a post 4 1/2" dia. x 5" h., set in floor 8" fr. wall directly below door; (2) projecting top of wall base-slab, 22" above floor; (3) projecting wall slab 27" above floor. No wall recesses noted.

Ceiling beams of pine & cottonwood, latter predominating. To permit construction of <sup>6" sq.</sup> <sup>light</sup> <sup>vents</sup> <sup>in each corner,</sup> ~~or floor windows~~, beams were removed @ both E. & W. ends; their end holes were later plugged with adobe while cottonwood branches & willows <sup>filled space of</sup> ~~replaced~~ the beams withdrawn. Two centrally located beams had also been removed & their holes plugged with adobe. One of these <sup>beams</sup> was directly above the post step to S. door.

6a = 2<sup>nd</sup> story (Pepper, 1920, p. 48)

Room 6-a (1 cd.)

(Pepper, 1920, p. 48)

6/16/21

Second story room above R. 6. Excavated by Pepper; later refilled with earth & stone from neighboring rooms.

Room measures: N,  $10'1''$ ; S,  $10'6''$ ; E,  $5'3''$ ; W,  $5'$ . In NW. corner masonry stands 7' without trace of ceiling. Masonry of old 1<sup>st</sup> type & thickly plastered; most of plaster fallen. Floor in good condition. Floor opening in SW. cor.,  $7' \times 5'$ , has adobe rim to height of slab cover; latter now missing. Floor ~~was~~<sup>openings</sup> ~~was~~, about  $6' \times 6'$ , had been cut in each of other 3 corners; these all closed - those on N. with slabs; that @ SE., with adobe.

Door thru S. wall  $28''$  above floor &  $4'3''$  fr. SW. cor., measures:  $16''$  w. @ top;  $18''$  w. @ sill  $\times$   $26''$  h. Sill is  $26''$  across; wall,  $19''$  thick. Three  $2''$  poles form lintel. East wall raged to within  $20''$  of floor; no trace of door in remaining portion. Opening about  $7''$  dia ~~opening~~ thru N. wall  $29''$  from N.W. corner &  $32''$  above floor; was later blocked & plastered over with adobe.

In debris covering floor, we found:  $1/2$  lb. of copper; olive shell; 4 fpts turquoise (1 worked); dressed ceiling willows (doubtless fr. Hyde excavated R's W. of R. 200-201); & on floor in NW. cor., a stone knife & rock crystal.

Room partly refilled with ~~earth~~ to protect floor.

## Room 14a

2<sup>nd</sup> story of 14 b (Pepper, 1920, p. 70)

Measures: N.  $13'$ ; E.,  $6'2''$ ; S.  $12'9''$ ; W.,  $6'9''$ . Ceiling,  $7'3''$  e.

Doors: N.,  $5'3''$  fr. NE cor. &  $18''$  above floor,  $29''$  w.  $\times$   $37''$  h., blocked.

E., blocked.

S., W. jamb only survives.

Pepper's Figs. 23-24 (pp. 72-73) show N. masonry of 303B, not R. 14a; dressed pine boards, cedarbark, & adobe flooring are those of R. 303B.C.

Room 14-b (1 cd.)

9/21/27

First story N. room used as kitchen by Hyde Exped. (Pepper, p. 27; 70). Pepper notes (p. 71) names & dates out <sup>on S. wall</sup> in plaster, Jackson, in 1926, partially recalled this as room in which Simpson carved his name in 1849. Searching for it, we learned that the orig. sandy plaster, with carved names, had been whitewashed, supposedly by Hyde Exped.; later replastered with adobe. Pepper, 1920, fig. 25, is from his print #169 & shows <sup>plaster</sup> "plastered walls in the kitchen"; lamp @ upper right.

Room measures: N, 12'8"; S, 12'6"; E, 6'1"; W, 6'2". Floor to ceiling poles, 8'9".

Door in middle of each wall; all blocked, supposedly by Hyde Exped., except that @ N. which probably <sup>This, slightly enlarged & sill covered by Hyde Exped.</sup> was only one originally blocked. Pepper, p. 79, says W. door was ~~blocked~~. E. & W. doors now plastered over; measurements not determined.

Ceiling, as described by Pepper (p. 79-80), except that pendent yucca strips <sup>6" apart</sup> were used to bind unpeeled, split willows - flat side down - <sup>prime</sup> to ceiling poles <sup>4-6" deep</sup>. Thus to anchor the intervening layer of dressed <sup>(163)</sup> ceiling willows, <sup>3-4' long + 3/8"</sup> the split willows were placed between the ceiling poles; yucca strips pass under the poles & loop over the split willows @ either side. Above the willow layer, the cedar bark & adobe floor of 2<sup>nd</sup> story, R. 14a. Hatchway, blocked, in SE cor.

Pepper's Figs. 23-24 show N. wall masonry of R. 303B, not 14a.

Two-room <sup>store</sup> building, built against outer N. wall of R. 14-b by Hyde Exped., <sup>in 1897</sup> was removed by N. G. S., 1923.

Kiva 16.

10/1/27

In NW. quarter wall now stands 10'2" above bench to apparent ceiling offset. Masonry, 3<sup>rd</sup> type. (See Pepper, 1920, fig. 26, p. 75); upright posts @ rear of bench.

Subfloor test in NE quarter revealed several small slab-sided pits side by side, 2 post holes, & a 1<sup>st</sup> type wall 30" w. & razed to within 19" of its associated floor as ~~the~~ its slightly concave E side passed under kiva bench 15'4" fr. inner SW. cor. of R. 210. Only 4' of old wall exposed; is plastered on both sides; bench of Kiva 16 rests directly upon it.

Outer E side of Kiva 16 square S. of R. 210 is of 4<sup>th</sup> type masonry & appears to be a veneering for 3<sup>rd</sup> type wall.

Room 17

7/14/26 - HSR

As described by Pepper, R. 17 is N.G.S. R. 211; but it is incorrectly located on Hyde's groundplan, pub. in Pepper. Using Hyde's location:

Tests show E. face of the easternmost of the 2 sub-floor walls noted in Rs. 35A, 34, 27 & 212, emerging fr. under W. wall of R. 17 @ point 9' fr. NW. cor. & ending against N. wall foundation (2' h.) 10" fr. N.W. corner. <sup>This</sup> Subfloor wall, 2'6" h., served as foundation for W. wall of R. 17; was razed to permit construction of N. wall foundation.

Room 23

In preparing his groundplan for Pepper's vol., Hyde ~~obviously~~ erred in locating this room.

Pepper's description (p. 324-5) of R. 106 & his unpublished negatives, Nos. 359 & 366, fit the room marked 23 on Hyde's plan. Hyde's measurements for R. 106 & N.G.S. figures for Hydes R. 23, agree. Therefore, we interchange his identification of these 2 rooms making R. 106 of Hyde's plan R. 23; & vice versa.

Room is filled to ceiling level; not reopened. Upper masonry is 3rd type.

Pepper (1920, p. 93) says work was begun, then abandoned. Nothing of interest found.

3<sup>rd</sup> cds  
Room 25.

Present 3<sup>rd</sup> type W. wall abuts present 2<sup>nd</sup> type N. wall  
20" E. of original NW corner.

8/5/26

3<sup>rd</sup> tier, middle W side: original @ S. end of single row, 2<sup>nd</sup> type rooms enclosing Old Bonito. Razed & replaced in 3<sup>rd</sup> type.

Excavated by Hyde Exped; described as open, rubbish-filled; wide assortment of artifacts. Repaired & used by R. Wetherill.

Measures: N., 7'3"; E., 16'8"; S., 14'4"; W., 16'6". 7 floor to ceiling poles, 11'4".

Masonry: N wall & lower  $\frac{1}{2}$  of E wall = 2<sup>nd</sup> type; remainder of E wall = mixed 2<sup>nd</sup> & 3<sup>rd</sup> or 3<sup>rd</sup> type with reused 2<sup>nd</sup> type material. S. & W walls = 3<sup>rd</sup> type; S. ties with E & W; W. abuts on N. Pepper (1920, p. 99) gives wall thickness: N., 23"; E., 31"; S., 29"; W., 26"

Subfloor: In NW corner, orig. 2<sup>nd</sup> type wall continues from NE cor. of R. 105 & is crossed, 3'10" fr. N. end, by 3<sup>rd</sup> type wall of replacement room. Upper 3' of orig. wall is rough & looks like ordinary foundation; lower 2' is good 2<sup>nd</sup> type masonry but some of larger blocks are dressed laminate s.s. & rests on 19" high founda. 5'3" below floor level of rebuilt room. Original W. wall passes under S. wall of rebuilt room 8'1" fr. its SE corner.

R. 25 - 2

There is abutted by its assoc. S. wall, under & 20" from face of rebuilt wall. Orig. S. wall ties with its assoc. E side. Present E. wall of R. 25 overhangs orig. 2<sup>nd</sup> type by 4". Probable size of orig. 2<sup>nd</sup> type room, suggested by length of remaining walls: N., 9'2"; E., 17'; S., 7'11"; W., 18'6". Altho these old walls stand

@ same founda. level no assoc. floor now apparent; space filled with spalled s.s. & sandy debris of reconstruction to depth of 3'. Hyde Exped. appar. turned upper 2'; did not disturb that below. This fill, <sup>13" deep</sup> floored over by occupants of rebuilt room.

Beam & pole holes, NE cor., suggest supports for 3<sup>rd</sup> type floor.

East door, 53" above 4" overhang, appar. blocked by R.W. when he repaired upper walls & reroofed R. 25 for his use.

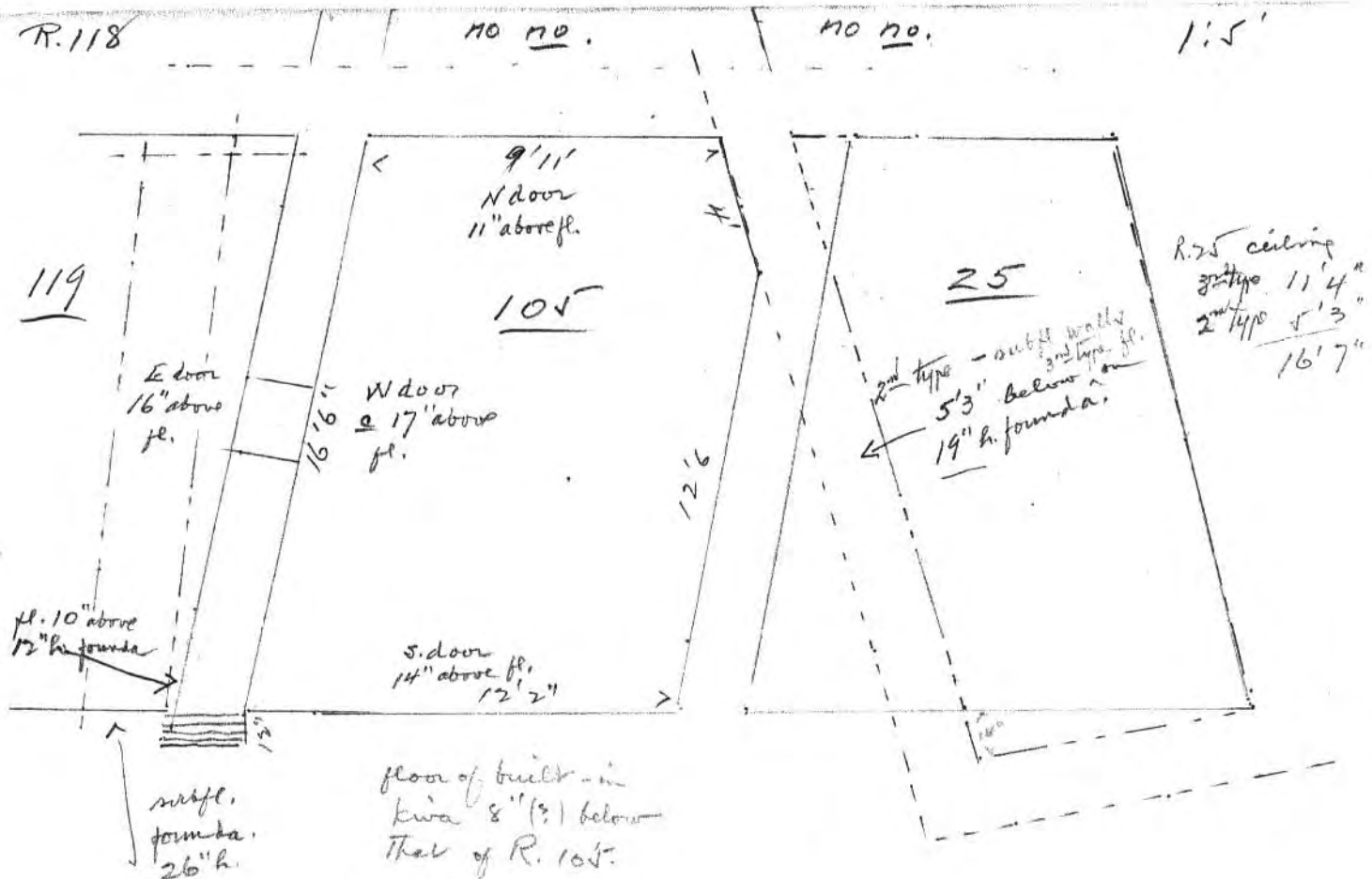
5 good pine poles & misc. others used in reroofing; cedar splints above.

In 1959 R. 25 known locally as "guad room"; don't know why.

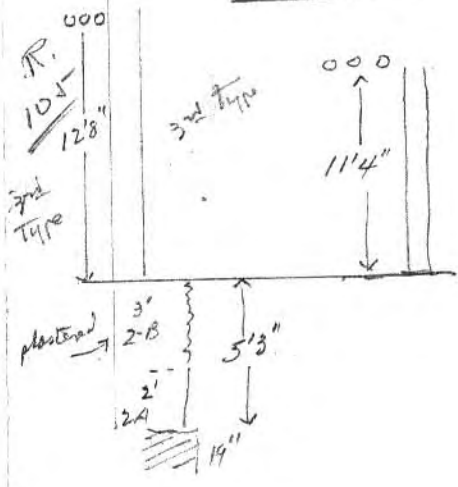
1<sup>st</sup> use of dressed laminate s.s.

R. 25-3

Unpublished Hyde prints # 305, 440, & 1 of E wall (without number) show 2 decayed but sawed off E beams, N. c.p. level  $\approx$  4' of 2<sup>nd</sup> story 2<sup>nd</sup>-type masonry including Pepper's discoidal N. wall stone; also outward flare of lower N. wall & irreg. hole broken thru  $\approx$  2-2 1/2' above floor apparently to explore open space betw. R. 320 & unnumbered 2<sup>nd</sup>-type room next on W. Print #440 shows, above ceiling level, what appears to be outside of R. 320B with chips pressed into mud.



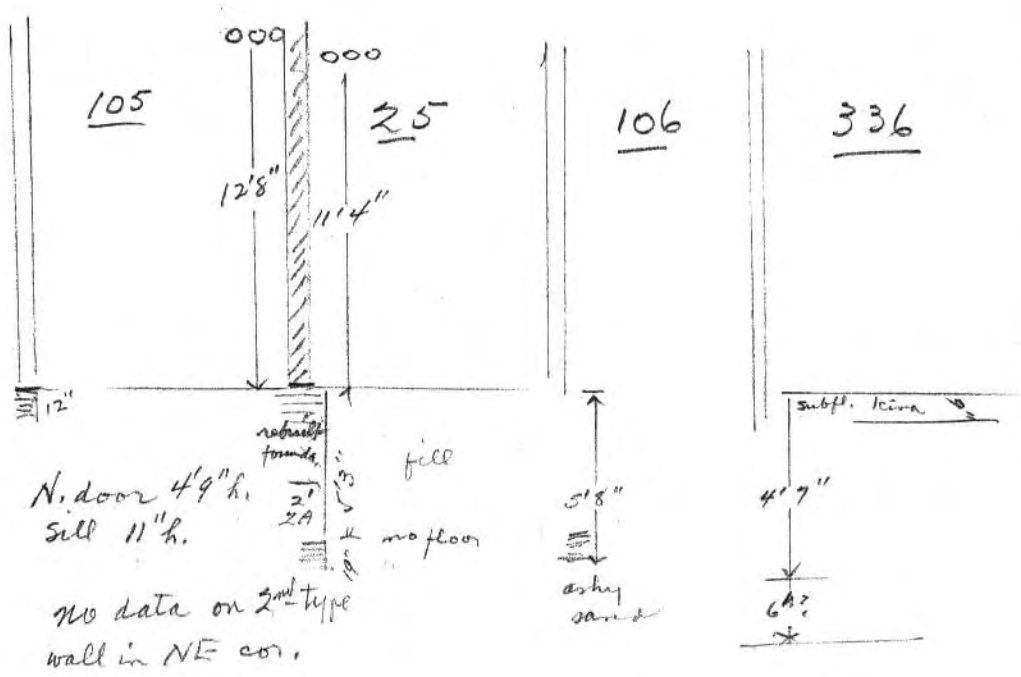
R. 25



floor diff. 16"

R. 105

- N. door, 11" h. sill
- S. " 14" "
- W " 17" "
- E " hole



Room 27 (2 cds.)

6/10/21 later

In tier dividing E. & W. courts; excavated & described by Pepper. Measures: N, 6'1"; S, 6'2"; E, 11'10"; W, 11'9". Middle W. wall stands 5'10" above floor without trace of ceiling logs.

Masonry: Mostly alternating courses of thick & thin laminate s.s.; few chips used as chinking. West wall is 4<sup>th</sup> type; others most resemble 3<sup>rd</sup> type construction, <sup>but probably have 4<sup>th</sup></sup> with traces of plaster on E. & S. walls. No foundation; walls rest on 5" of adobe floor which rests on subfloor walls. Beneath floor is debris of reconstruction. No doors evident.

Specimens found on floor: 1 slightly used metal; several much-worn manos & smoothing stones.

Pepper noted mass of white s.s. on floor @ S. end. This pile, <sup>still present,</sup> was about 20" deep. The stone comes from a ledge on the mesa S. of Bonito; when damp, it is soft & easily crushed in the hand. It probably was used for whitewash since it agrees in color & feel with whitened plaster on kiva benches & numerous dwellings. We removed 3/4 of this pile to trace subfloor walls from R. 34.

R. 27-r

Sub-floor walls: Two walls of apparent 3<sup>rd</sup> type masonry, pass under N. end of room. They are 24" apart & have been razed to within 2' of a well-marked, connecting floor lying 29" below that of R. 27. This lower floor, found only between the sub-floor walls, is covered by an inch of loose shale. The westernmost, 18" w., passes under the N. wall of the room 6" fr. its NW corner; under the S. wall, 4" fr. the SW. cor. The easternmost, passing under the N. wall 4' fr. its NW corner, has been completely razed just within R. 27 but 4'4" S. of its broken end is the stump of a cedar post which doubtless was built in the sub-floor wall.

Subsequently we found that these <sup>continue</sup> walls, about the outer SE. corner of Kiva 16; extend southward where they were razed upon construction of Kiva A.

Pepper's unpublished print #112 shows  
W. wall of R. 28B to be 2<sup>nd</sup> Type masonry

## Room 28 B

Extends over 1<sup>st</sup> story rooms 28 & 28a.  
Floor to ceiling poles, 6'4".

Floor is 2" above ceiling of R. 44B.

Pepper's description indicates 2 first story Rs. - 28 & 28a - separated by a wide partition 12" w. x 4' h. His Fig. 44, p. 116, shows N. wall of R. 28 as 2<sup>nd</sup> Type masonry, agreeing with 2<sup>nd</sup> story wall now visible; his W. wall (~~at the 4<sup>th</sup> Type~~) (E. wall of R. 55) was built on debris (Pepper, p. 118); charred posts were @ this end (p. 117). First type walls ~~under~~ <sup>form lower</sup> S. side of R. 28a & under R. 55. It seems, therefore, that N. wall of Rs. 28-28a (2<sup>nd</sup> Type) must have been built in a 1<sup>st</sup> type room to support 2<sup>nd</sup> story, 2<sup>nd</sup> Type structures; that 4<sup>th</sup> Type S. ~~W.~~ walls of R. 28B. rests on 1<sup>st</sup> type masonry & with <sup>2<sup>nd</sup> Type</sup> W. wall of R. 28B. covered an open room in which the late Types of pottery were cached, as described by Pepper. Sand had washed into this lower room (R. 28), Pepper, p. 117.

Pepper's fig. 44, p. 116 (1120) & unpublished print #102 show <sup>1<sup>st</sup> story</sup> N. wall built of laminate s.s. in 2<sup>nd</sup> Type style; Unpublished prints 103, 104 & 112 show 2<sup>nd</sup> story N. & W. walls of R. 28 built of 2<sup>nd</sup> type masonry with dressed friable s.s.

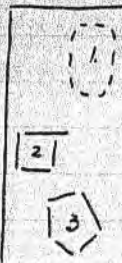
## Room 34 (2 eds)

6/10/21 & later

Between R. 27 & passage joining E. & W. courts. Excavated by Hyde Exped.

Measures: N., 6'1"; S., 6'2"; E., 17'6"; W., 17'10". Highest standing wall, in middle W., is 6'6" h., with no trace of ceiling poles.

Masonry: W. wall of laminate s.s. in 4<sup>th</sup> Type, with occasional larger blocks in short bands; other walls resemble 3<sup>rd</sup> Type but obviously were built from salvaged stones @ same time as W. wall. End walls about sides. North wall includes many large, dressed blocks of friable s.s. but no bands. South wall built directly on floor. East wall stood on 2 logs spanning arc of Kiva 2-B (4<sup>th</sup> Type); had fallen outward with decay of logs. No door evident in the 3 standing walls. Recess, plastered @ rear, in W. wall 33" above floor & 10' fr. NW. corner; measures: 8 1/2" w. x 8" h. x 9" d.



Fireplaces: Three in NW quarter, each lined & paved with slabs. Sketch shows relative position: #1, built directly upon wall & over sub-floor trench, is 6" fr. N. wall & 20" fr. W. wall; measures 10" x 16" x 5" d. No. 2, 38" fr. N. wall & 6" fr. W. wall, measures 12" N-S x 13" x 5" d. No. 3, 5-sided, is 4'9" fr. N. wall & 18" fr. W. wall; measures 12" N-S x 10" x 5" d. Each contained ashes;

R. 34 - 2

slabs of each slope outward. Mean measurements given above.

Found in room debris: 7 hammerstones, 3 manos, 2 frags. of petrified wood, 1 antler frag. & misc. potsherds. None retained.

Sub-floor: earlier, orig. floor noted 6"-11" below upper & separated fr. it by debris of occupation. South wall of room stands on upper floor.

Subfloor walls noted in Rs. 212 & 27 continue into R. 34. Westernmost of these, 17" w., passes under N. wall 4" fr. NW. cor.; under S. wall 12" fr. SW. cor. as wall 15" w. Second subfloor wall, 15" w., passes under N. & S. walls @ 3'9" fr. NW & SW corners. Both subfloor walls are of 3<sup>rd</sup> type (2-B) masonry but E. is poorer quality & includes small slabs on edge a row of small posts set about 14" apart. Passage formed by these walls is 24" w. @ N; 18" w. @ S. Its walls av. 18" h.; its 2" th. adobe floor, resting on a 2" layer of shale, lies 30" below that of R. 34. Several posts in the passage supported S. wall of room; mixt debris of occupation & reconstruction filled partly razed passageway.

At outer NE. corner of R. 34, a NE-SW wall frag. appears to underly the E. wall of Rs. 27 & 34. Later proved to be part of enclosure for Kiva 2-B.

Room 35.a. (2 cds)

floor to ceiling poles, 7 ±

6/10/21

Situated S. of passage connecting E. & W. courts. Excavated by Pepper but not described; shown (p. 354) as 35.a.; in plan as 35A.

Measures: N., 5'10"; S., 5'9"; E., 9'11"; W., 9'9". Highest standing walls, on middle W., are 4'4"; no suggestion of 2<sup>nd</sup> story. North & S. walls abut on E. & W. Floor mostly destroyed previously.

Masonry: Small laminate blocks alternate with thicker, friable stones - 3<sup>rd</sup> type. Many of softer blocks are disintegrated. Doors: Blocked doors in N., E. & S. walls - that in N. is about 17" w. & 27" from NE. cor.; that in E., is 24" w. & 4'8" fr. SE. cor.; that in S. is 25 1/2" w. & 24" fr. SE. corner. All three doors partly broken down; lintels gone. In standing walls, no trace of ceiling poles or wall recesses.

Subfloor: N. wall stands on a 13" fill resting on an earlier floor. At N. end of E. wall is decayed log frag. which apparently extended under the passage between R. 34 & R. 35.a. At S. end of E. wall smoke stains show just above lower floor level. Wall 18" w., passes under W. side of room 46" fr. NW. cor.; it was partly razed & overbuilt by <sup>westernmost of the</sup> continuing of parallel subfloor walls noted in Rs. 212; 27; 34. The westernmost of these 2 is 21" w. & passes under N. wall 9" fr.

R. 35a - v

NW. cor.; the other, 12" w., passes under the N. wall 48" fr. NW. corner & against its W. face @ 16"-18" intervals are decayed remains of small posts. At N. end, both subfloor walls are of 3<sup>rd</sup> type (2B) masonry; they form a passage, 18" w., the adobe floor of which, resting on a 2" layer of shale, lies <sup>3"</sup>24" below <sup>earlier</sup> floor of R. 35a. At S. end of room, the passage is 19" w. & no flooring appears upon the shale layer between its parallel walls. Its western wall passes under S. wall of room 19" fr. SW. corner. The passage was filled with debris of reconstruction - adobe chunks, stone spalls - & floored over. At S. end, <sup>earlier floor @ depth of ca. 10"</sup> 2<sup>nd</sup> or later floor of R. 35a lay about 10" above this earlier one.

Passage North of R. 35a, excavated & shown by Hyde Exped, connects E. & W. courts. It is 26" w. @ E.; 28" w. @ W. Both ends are open but raised slightly above court level.

Room 40 / 3cds

7/19/24

As described by Pepper (1920, pp. 199-200) R. 40 does not exist; we find no evidence of his S & W walls. He gives: N, 22 1/2'; E, 11'; S & W the same as N & E.

N side of area is 4<sup>th</sup> type exterior of R. 28B whose floor level, on top 1<sup>st</sup> type S. wall of R. 28, 28a, is marked by 3-5" m. offset 3-4" above <sup>top of</sup> R. 28 beam level. E side of area is the banded 4<sup>th</sup> type of Kiva 16 square. Built against latter & abutting N side both above & below offset is a bench-like addition 25" w. x 12" h. above offset & 12-14" of foundation below. This foundation rests on a debris fill - fallen masonry, adobe flooring, & decayed beams; stratified sand. Since R. 28B with no banding abuts <sup>top of</sup> Kiva 16 square & since "bench" abuts both upper & lower <sup>R. 28a</sup> N wall, "bench" must be a late construction - later than E or N. Bench is 10-12" higher @ its S end & may be a contemporary of the NW-SE "alley" @ SW corner of Kiva 16 square. This alley appears to be a reconstruction job; block of masonry between it & Kiva Q includes

R. 40-2

wall end that may originally have been continuation of W. side of Kiva 16 square. (NGS. Nags 28363A & 28367A, GCN, 1924)

Test pit in NE corner revealed <sup>4 1/2' to 5'</sup> "bench" abutting a 2'-sq. ± area of 1<sup>st</sup> type "mosaic" @ E end of offset marking floor level of R. 28B & ceiling level of <sup>more mosaic at offset marking S. wall of R. 28B</sup> R. 28a. A similar offset @ depth of 8' 5" presumably marks top of R. 28a. S foundation. In pit, foundation is 1 1/2'-2'h. & rests upon floor of a possible rectangular or square kiva. Evidence: Bench of crude masonry on S & W, 24" w. x 34" h., repeatedly plastered & sooted; last coat on bench face, whitened. Wall above <sup>bench</sup> raged @ 7", is merely plastered face of deep pit (no masonry). Bench face continues to E ca. 18" <sup>(R. 28h. exterior)</sup> from N 1<sup>st</sup> type wall; 9' 8" W of this point it turns abruptly N for 20" & there was raged & abutted by foundation of R. 28A S. wall. A disturbed area just W of this turn probably marks site of Hyde Exped. digging. # | Orig. bench height, 30"; upper 4" added on top rounded front of original.

R. 40-3

Pepper (p. 199) describes blocked T-door in upper N wall, 10' 9" from NE corner: lower part, 20" h. x 28" w.; upper part, 38" h. x 36" w. (W of this 14") is another, also closed. Lintels do not show in photo.

Pepper's "bin" (p. 200) is stepped vestibule approach to R. 28A; W <sup>door</sup> jamb seen behind standing slab in unpub. Hyde print #194. Pepper locates "bin" 3' fr. <sup>(from E)</sup> W wall; sides 1' 7h. & 6' 2" apart (compared with 3' w. T-door, bin can't be over 4' w. inside; thus 6' 2" width must be external). The "small closet" near top of concave S. side is probably an additional step. Bin height given as 3' 6" or c 4' 1/2' to upper offset (above 10" dia. beams). This approximates our 8' 1/2' between upper & lower offsets & with c 1 1/2' foundation for R. 28a., is near Pepper's 11'h. N. wall (p. 199).

For 2<sup>nd</sup> test, see Kiva R. terrace notes.

Room 57

2<sup>nd</sup> story over R 28 west end

Fourth type masonry abutting & overlapping 1<sup>st</sup> type abandoned walls, as described by Pepper, 1920, pp. 218-9. West of R. 55.

Measures: about 1' above floor level: N, 7'4"; S, 6'7"; E, 6'11"; W, 7'3".

Masonry: N. & W. walls of 1<sup>st</sup> type. NW corner (1<sup>st</sup> type) is tied; SE cor. (4<sup>th</sup> type) also tied. South wall - abuts W, on inside only; E. abuts 1<sup>st</sup> type N. wall. Imbedded in W. wall, 37" fr. SW. cor., is a 5 1/2" dia. post (Pepper, p. 219) JPB #48, N wall beam, gave AED 1071

On the outer W. side, the 2<sup>nd</sup> type NE wall of R. 3a (97) ~~was~~ was overlain by 3<sup>rd</sup> type masonry abutting the 1<sup>st</sup> type masonry of R. 57, giving a total thickness (to SW. cor. of R. 57) of 40".

JPB #49 - strut embedded in wall betw. Rs. 55 & 57 gave AED. 1083±2

Room 58.

2<sup>nd</sup> story of R. 33 (Pepper, 1920, p. 220); adjoins R. 3d (2<sup>nd</sup> story of under R. 110, p. 329) on ~~the~~ NE corner. Hole near ceiling broken thru SW wall in 1896 into R. 3d was repaired by NPS in 1926.

Room 59 (2 cds)

NGS Neg. 28585A

9/5/24

Small kiva or shrine room in SW quarter; excavated & incompletely described by Pepper.

Measures: 11'3" dia.; @ N<sub>1</sub> wall still stands 8'5" high.

Masonry is indefinite in type consisting of large blocks of friable s.s. built inside & abutting walls of a 3<sup>rd</sup> type (2B) dwelling. South wall of former room forms back of S. recess which rises, without bench, from floor to ceiling. Recess is 6'4" w. in front; 8'8" w. @ rear; 3'5" deep on E. & 3'10" d. on W. On W. side of recess, a 4" w. offset occurs 19" above floor; similar, broken offset on E. side. In middle W. side, 1" above offset, is wall pocket, 20" w. x 14" h. x 8" d.; its concave rear wall rounds to within 4" of front jamb. Similar pocket, approx. 13" w. x 11" h. x 8" d., is present in broken masonry of E. side of recess, 27" above floor. Inner walls of latter pocket show smoked plaster.

1924  
7/11 Pepper notes that kiva walls were ~~thickly~~ <sup>well</sup> plastered. This had wholly fallen except in rear E. corner of S. recess. In 1924, the chamber was partly filled with blown sand, covering tin cans & other late rubbish; also a wooden rabbit cot, on floor in NW quarter.

R. 59-2

Wall pocket in N. wall, opp. S. recess, measures 42" w. x 14" h. to stick lintels x 16" deep; its sill is 24" above five floor.

Fireplace, lined with slabs on edge & topped off @ floor level, is 20" E-W x 18" x 11" deep. It lies 6'2" fr. rear wall of S. recess; its inner SE. corner is 50" fr. E. front & 60" fr. W. front of S. recess; its inner SW. cor. lies 59" & 47", respectively, fr. same two points.

Ventilator shaft of masonry was built against outer S. wall, opposite middle of S. recess, & surrounded by earth fill inclosing Kiva T. Shaft connects with a subfloor passage, 13" w. x 25" deep, lined with large-stone masonry & paved with adobe; passage opened into kiva thru an opening, 13" E-W x 10", lying 14" south of fireplace <sup>on 5'2" N. of rear wall of recess.</sup> Passage had been roofed with sticks & adobe of floor. Fire screen not noted; probably low & of adobe.

## Room 60

7/8/26

In NE quarter, excavated, described, refilled by Pepper.

SE wall, of 2<sup>nd</sup> type masonry, is continuation of that between Rs. 70 & 99; other 3 walls built of dressed friable s.s. & large unworked laminates, chinked in 2<sup>nd</sup> type fashion but with larger chips. Evidence of repairs present in all 3; are doubtless to be classed as 3<sup>rd</sup> type built of stone salvaged from razed 2<sup>nd</sup> type walls. NE & SW sides abut plaster on SE wall; NW abuts plaster on SW wall & apparently abuts NE altho some stones had been removed to permit tying. Charred butts of ceiling poles point diagonally between NW & NE walls. No major beam holes noted.

Room 60B, covered R. 60 & Pepper's 60a. NE & NW walls are 3<sup>rd</sup> type, (approaching 4<sup>th</sup> on NE side) NE doors: a) 19" fr. N. cor. 31" above floor offset, 27" w. x 29" + x 26" across sill; b) 8" fr. N. cor., 29" above offset, 27" w. x 30" + x 25" across sill, has 3" secondary jambs, masonry; c) flush with SE wall, 31" above offset, 26" w. x 22" + x 28" across sill; former 2 1/2" secondary jambs, masonry. 4<sup>th</sup> type SE wall, built on 2<sup>nd</sup> type R. 60A wall abuts 3<sup>rd</sup> type NE side. a) & b) probably once blocked.

## Room 60-a

6/20/26

Triangular chamber incorrectly identified by Pepper as corner of former kiva (R. 76) square. Examination shows it once formed part of R. 70; was cut off from it by foundation of 4<sup>th</sup> type SE wall of R. 60B; was debris filled to 1<sup>st</sup> story ceiling level.

Masonry: The SW (Pepper's S.) side is 2<sup>nd</sup> type but obviously rebuilt, relatively crude & unplastered. It abuts smoked plaster on 2<sup>nd</sup> type NW (or N) wall, a continuation of that between Rs. 70 & 99; abuts also the parallel, 2<sup>nd</sup> type wall (that betw. Rs. 70 & 62) @ point 15'5" from E. corner of R. 60B & 20'4" fr. its N. corner.

The SE side of R. 60-a is the <sup>foundation</sup> ~~extension~~ of R. 60B's SE wall, which foundation was <sup>built within</sup> ~~abuts~~ <sup>hence</sup> ~~abuts~~ the 2<sup>nd</sup> type (NW & SE) walls above noted, originally part of R. 70. Abutting this SE side 3'2" fr. the S. corner & resting on ashy debris, is a 20" w. <sup>SW</sup> foundation (crude) which extends thence to about the NW side, flush with the W. corner.

2<sup>nd</sup> Story: The 4<sup>th</sup> type SE wall of R. 60B (repaired in 1926) crossed the 2<sup>nd</sup> type wall (that betw. Rs. 62 & 70) 3'10" fr. S. cor. of R. 60a & extended over NW cor. of R. 62. At this point there was a corner door for R. 60B, as evidenced by Pepper's statement on p. 232 & his Fig. 98, p. 225.

## Room 62

7/2/22 &amp; 7/8/26

Situated between R. 70 & Kiva G; excavated & lengthily described by Pepper. Cleared in 1922 to upper floor level noted by Pepper.

Masonry: Of 2<sup>nd</sup> type but with considerable use of thick laminate blocks, sometimes dressed. All walls show <sup>repeated</sup> repairs. West wall abuts N; NE & SW corners tied. Convex middle portion of S. wall is 2<sup>nd</sup> type with laminate s.s. showing thru plaster. Built-in E. portion <sup>(4'10" long)</sup> of S. wall, 2<sup>nd</sup> type masonry @ bottom with large, thick laminate s.s. above, abuts plastered E. wall 7'4" fr. NE corner. East wall originally 10'2" l. was originally connected to old curve of Kiva G by 16" of <sup>plastered</sup> masonry. Built-in W. portion of S. wall is 4<sup>th</sup> type construction, mostly of small laminate blocks. Potsherds & baskets in subfloor pits dug in sand; no burials <sup>noted</sup>.

Pepper's Fig. 98, p. 225, shows 4<sup>th</sup> type masonry & probable door extending out over NW corner. His ~~confused notes suggest subfloor 1st type masonry.~~ His statement, p. 232, confirms upper NW door possibly to R. 70 B or 76 B. Hyde Negs. 217 (Fig. 99), 219, & 221 (Fig. 100) all show 2<sup>nd</sup> type W. wall masonry altho this cut off in reduction for Fig. 99 & 100.

## Room 64 (6 eds.)

6/20/23

Excavated by Hyde Exped., is completely described by Pepper.

Measures: 18'4" on NW; 6'7" on SW; 9'6" (?) on SE; 11'4" in straight line across NE curve.

NE wall is concave curve of 2<sup>nd</sup> type kiva, later than orig. Kiva G, but earlier than that in R. 76. A short 2<sup>nd</sup> type wall, ~~4'7" l.~~ abuts the curved NE wall & extends to inner SE cor. of R. 76; NW wall of R. 64 abutted <sup>as did the extended R. 76 curve now @ NE cor. of R. 64.</sup> & concealed this short wall, Middle E. wall, abutted & partly overlain by NE curve, is convex outer wall of orig. Kiva G. The latter was partially razed, as may also have <sup>been</sup> the kiva represented by the NE wall of R. 64, upon construction of a kiva which preceded Kiva K & is now represented by the curve bet. between Kivas G & K. The NW wall, <sup>(R. 64)</sup> of 3<sup>rd</sup> type masonry, abutted the short W. wall mentioned, flush with its union with the old kiva curve; & also abutted the SW wall. The N. end of this NW wall rested against the parallel block which represents, in R. 65, <sup>continuation</sup> part of the 2<sup>nd</sup> type kiva in R. 76. The SW wall, also of 3<sup>rd</sup> type, the larger blocks of which are dressed friable & both dressed & unworked laminate s.s. <sup>in bands,</sup> was partly razed upon construction of the abutting Kiva K. Here

R. 64-2

The outer Kiwa K. wall is straight; 8'10" l. & extends fr. broken SE end of SW wall to inner curve of chamber which preceded Kiwa K & which now lies between Kiwa G & K. From the angle formed by this straight wall & the SW wall, a wall now missing doubtless extended northeasterly 9'6" ± to about the convex curve of the orig. Kiwa G & thus form the SE wall of R. 64. The lower portion, @ least, of this wall was slightly concave.

Floor: Pepper mentions cutting thru a floor, no longer evident, that probably lay 5" below the sill of the SW door, the level on which the SW & NW walls stand.

Doors: In SW wall, flush with W. corner & 5" above probable floor level, is door 25" w. x 40" h.; its E. jamb is still plastered. In NW wall, 5'7" fr. W. corner, is S. jamb of formerly blocked door.

R. 64-3

Wall pocket: In convex curve of orig. Kiwa G., 12'1" fr. junct. of SW & probable SE walls, is pocket 23" w. x 15" h. x 22" d., plastered inside; S. side bows slightly, increasing inner width 3".

Ventilator: Probable vent., now blocked, 15" w. x 20" h., in concave NE wall, 10" from abutting NW wall & 34" above base.

R. 64-4

Subfloor: NW wall stands on loosely laid foundation, 4' h., which rests on 3' debris of reconstruction; nature of fill & foundation caused collapse of N half of upper wall. Foundation of SW. wall, superior to that of NW., extended 5" below a floor lying approx. 7' below the apparent floor of upper room. Lower SE wall, heavily plastered & standing 7' h., abuts SW foundation 6'8" fr. W. corner extending thence northeasterly 8' to about SW face & broken NW end of fragmentary wall, probably of 3<sup>rd</sup> type const., 5'3" fr. NW wall or approx. 10' fr. W. cor.; ~~wall~~ NW end of this wall fgt. covered by same coats that plastered SE wall.

Paralleling <sup>upper</sup> SW. wall @ dist. of 4'6", abutting the outer curve of orig. Kiva & passing under the NW foundation, is a crudely constructed, unplastered wall, 10" th & now 34" h.

The concave NE wall abuts & crosses over the N. end of the partly razed convex curve of orig. Kiva & @ point 5'7" above lower floor & 16'3" fr. lower S. corner.

R. 64-5

Door: In lower SE. wall, flush with SW wall & 8" above floor blocked door, 25" w. x 41" h., may have have opened into triangular space between SE wall & curve of chamber that preceded Kiva Ki; repairs are evident above & below this door, suggesting its placement following completion of the wall; latter appears to abut SW. wall.

In lower SW. wall, is door 22" w. x 3'6" h., & 4'8" above lower floor; blocked from S. side.

Wall pocket: In ~~lower~~ NW wall foundation, 3'11" fr. W. corner & 5'2" above floor, pocket 8" w. x 6" h. x 9" d.

Pepper prints # 223 & 225, show lower floor with fireplace near NW end of unplastered lower wall; upper walls heavily plastered whitened & smoke stained; blocked door in middle NW wall & horizontal pole, about 1' above <sup>upper</sup> floor level extending across NE end of room; NW wall standing to height of NE.

R. 64-6

From examination of these complex & previously excavated walls it seems possible that a dwelling on this site was abandoned to the orig. Kiva G (2<sup>nd</sup> type); that the outer W. wall of the latter was partly razed to make room for the Kiva represented by the 2<sup>nd</sup> type NE wall of R. 64; that, upon abandonment of this latter Kiva another was built to the S. - now represented by the arc between Kivas G & K; that the Kiva arc in R. 76 supercedes that in the NE wall of R. 64; that the lower portion of R. 64 was utilized for a time perhaps while the upper portion was inhabited; finally, the room was rubbish filled.

Room 68 (3 cds.)

7/10/26

Excavated & described by Pepper. We partially reexcavated to obtain data on subfloor, 1<sup>st</sup> type walls.

Masonry: Of 3<sup>rd</sup> type (2B) tho irregular & evidencing repeated alterations, especially in lower 3 ft. Lower NE wall resembles 1<sup>st</sup> type masonry. Walls repeatedly plastered; white & pink surfacings show. All 4 walls rest upon partly razed 1<sup>st</sup> type masonry. Original floor rested directly upon these subfloor walls, not 1 ft. above them as reported by Pepper. Floor lies 8'9" below present top of wall @ NE corner; approximately 4' below floor of R. 314.

Doors: In SE. wall, 5'4" fr. S.E. corner, is blocked door, 30" above floor & approx. 20" wide. Second SE. door, 28" w. & blocked, lies @ floor level 7'1" fr. S.E. corner; its jambs were razed to 19" above sill & overbuilt during wall repairs. An apparent SE. door, 22" w. & carefully blocked, lies flush with NE cor. about 3'9" above the floor. In NE wall, a former door 23" fr. NE cor. & 2'6" above floor was blocked & superseded by a 2<sup>nd</sup> door, 21" w. & 2'6" above floor, whose E. jamb stands 3'10" fr. NE corner. This latter, also blocked, apparently was reduced from a larger door whose <sup>NW</sup> jamb, 6'6" fr. NE corner, extends to within 17" of floor level. Another <sup>NW</sup> door, 27" w. x 34" h.,

R. 68-2

stood 7'11" fr. ~~SE~~ E. cor. with an inverted tabular metate for its sill, 3' above floor. This door was later reduced to a window or ventilator, 20" w. x 16" h. x 3'10" above floor; still later, this vent. was blocked, one of the stones being another metate. South door, 12" w. x 20" h., 21" above floor & 49" fr. ~~SE~~ E. cor., ~~opens into R. 344~~. Second door, 15" w. & about 28" h., in SW wall 7'6" fr. ~~SE~~ E. cor., has sill about 23" above floor. Two plastered masonry steps 8" below door sill & 6'9" fr. ~~SE~~ E. corner

are 3'2" w. They rest upon the subfloor 1<sup>st</sup> type masonry. Sill of ~~third SW door~~, 19" w. & blocked, lies 7'1" fr. ~~SW~~ W. cor. & 39" above floor. Packet in SE wall, 9" w. x 11" h. x about 2" above floor lies 28" fr. ~~NE~~ E. cor.; is provided with split cedar lintel, slab sill & neatly plastered jambs; its lower half is closed by a single stone. Packet in NE wall, 10" w. x 10" h. & 12" above floor is 16" fr. ~~NE~~ E. corner.

Pepper notes other doors & wall pockets.

Foundation of NE wall extends 18" into room & abuts subfloor 1<sup>st</sup> type walls. At SW <sup>wall</sup> side, the NE face of solid masonry block (built of large s.s. blocks, both dressed & unworked, with chinking) passes under SE wall 4'4" fr. ~~SE~~ E. corner & abuts a NE-SW, 1<sup>st</sup> type wall 3'1" fr. SW wall; <sup>abutting</sup> NW side of this same 1<sup>st</sup> type wall 4' fr. SW wall of room is NE face

R. 68-3

of similar solid rock mass passing under NW wall 3'4" fr. ~~SW~~ W. corner. (Pepper notes same solid mass in R. 68-a) This solid masonry may include 1<sup>st</sup> type walls but it serves to support SW wall of Room 68. ~~West~~ <sup>Northwest</sup> wall also rests upon the solid block & the foundation built between it & 1<sup>st</sup> type NW-SE subfloor wall to be noted.

1 Subfloor: Plastered & smoked 1<sup>st</sup> type wall, 2' w., passes under ~~SW~~ W. wall 7' fr. ~~SE~~ E. cor.; @ point 4'9" fr. SW wall & 7'2" fr. ~~SE~~ E. cor., it turns ~~SE~~ NE, passing under SE wall 10'10" fr. ~~SE~~ E. cor. is a wall 30" w. & plastered on both sides.

2 Abutting S. face of this 1<sup>st</sup> type wall 9'4" fr. SW wall of room is a 2<sup>nd</sup> 1<sup>st</sup> type wall, 11" w. & plastered on both sides, that passes under SE wall 7'5" fr. ~~SE~~ E. cor. Triangular space NE of this lesser 1<sup>st</sup> type wall is mostly filled by SE wall foundation.

3 A 2<sup>nd</sup> plastered 1<sup>st</sup> type wall, 21" w., joins NW face of that first noted @ pt. 8' fr. ~~SE~~ E. cor. & 9'1" fr. ~~NE~~ E. cor., curves ~~sharply~~ <sup>sharply</sup> to NW & passes under NE wall 12'9" fr. ~~SE~~ E. corner. ~~South~~ <sup>Southwest</sup> of this 2<sup>nd</sup> major, 1<sup>st</sup> type wall, filling the angle formed by it & the solid masonry mass & overlying the NE-SW 1<sup>st</sup> type subfloor wall, is a built-in block of masonry 16" h. x 9" E-W; it abuts the solid mass 6'7" fr. NW wall of room.

## Room 69

Excavated & partly described by Pepper. We did no work here. Floor is below that of R. 80, next on NE; broken top of NE wall is 3' above floor.

Pepper, 1920, p. 256, says "After the floor was removed a rather intricate series of walls was found." His unpublished print # 243 shows wide foundation of NE wall abutting W end of a subfloor wall  $\approx 16''$  w. that underlies NW wall  $\approx 1'$  fr. NW cor. & extends SE apparently to underlie middle of SW wall. R. 69 fireplace @ floor level @ NW end; rectangular sub-fl. bin between NW-SE subfloor wall & wide NE foundation. Print # 244 shows same fp. & 3<sup>rd</sup> type masonry of NW wall.

## Room 70.

Adjoins R. 62 on N; excavated but incompletely described by Pepper. We removed most of debris left in 1<sup>st</sup> story; did not examine lower walls.

Masonry: Of 2<sup>nd</sup> type, modified by repairs & alterations with exception of W. side which is a later wall bisecting original R. 70 in NE-SW direction. It is constructed of larger blocks & plastered; it abuts the plastered N. & S. 2<sup>nd</sup> type walls & apparently was built in a foundation for second story 4<sup>th</sup> type wall separating R. 60B & 70B.

Pepper notes lower walls "of old type". NGS. print # 18668-A shows lower N. 2<sup>nd</sup> type wall with partly blocked door below the later W wall & below an indicated floor level just beneath sill of door (with secondary, slanting jambs) into R. 99. Hyde Neg. # 245 shows latter door in deep shadow @ lower R.; banded 3<sup>rd</sup> type 3<sup>rd</sup> story<sup>(?)</sup> wall on beam at upper R.

R. 70 B - Measures: N, 6'3"; S, 14'9"; E, 6'6"; W, 9'10". Broken N. wall rises 5'8" above floor offset. Pepper mentions a NE wall supported by poles; from his unpublished negatives # 245 <sup>to ceiling poles, 9'0"</sup> This <sup>is of</sup> ~~is of~~ 3<sup>rd</sup> type masonry. 2<sup>nd</sup> story door @ W end SE wall overlooking 62B (Pepper Fig. 98, p. 225) + p. 232.

Room 74

(2 eds)

6/30/26

Southwest corner of square inclosing Kiva 75. Reexcavated to trace subfloor, 1<sup>st</sup> type walls found in R. 314, next on NW.

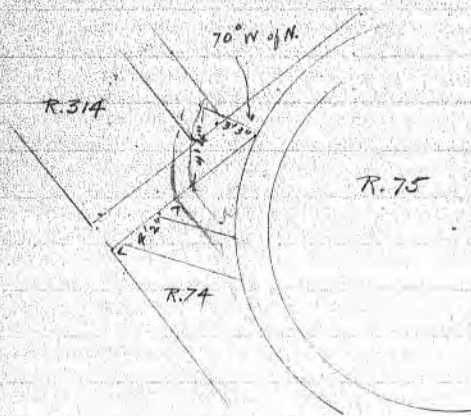
Masonry: 3<sup>rd</sup> type (2B) with laminate s.s. The NW wall overhangs by 2" its rough masonry foundation; latter is joined to outer kiva 75 curve by rough-masonry fill, 7'6" fr. W. corner. Foundation of NW wall rests directly upon a partially razed, 1<sup>st</sup> type wall. Latter also supports ~~one end of~~ a decayed beam, 10" dia, imbedded in SW wall & outer kiva curve, 14" fr. ~~NW~~ <sup>corner</sup> wall. Lesser poles upon this beam suggest a former floor level. The angle is bisected by a rude, foundationless wall, 2' w. x 3' h., which abuts both the <sup>NW wall</sup> ~~the~~ NW corner of the angle <sup>(R.74)</sup> & the outer kiva <sup>75</sup> curve.

Subfloor: 4'2" fr. the W. corner a partly razed 1<sup>st</sup> type wall, 12" w., passes under foundation of NW wall; extends thence SE 2'5" where it was abutted by convex curve of Kiva 75. The NE face of this plastered & smoke-stained 1<sup>st</sup> type wall, from a pt. directly beneath the NW side of the angle (R.74), curves concavely & sharply 4'4" to the N. there to abut a 2<sup>nd</sup> plastered & smoked wall of 1<sup>st</sup> type construction. From this union, the latter wall, lying 70° W. of N., extends easterly 3'5" where it

R. 74 - 2

is abutted by the outer kiva <sup>75</sup> curve. (This latter union is 4'3" from pt. where 1<sup>st</sup> old wall passes under NW wall of R. 74)

Both 1<sup>st</sup> type walls were repeatedly plastered, smoke-stained & replastered. The last coat is unsmoked. Owing to cramped quarters, depth of connecting floor was not ascertained. But it appears that the 1<sup>st</sup> type, subfloor room, somewhat wedge-shaped, was the W. end of a dwelling, abandoned & partly razed when Kiva 75 was built.



Room 76 (3 cds)

8/19/27

Reconditioned kiva in NE quarter; excavated but not described by Pepper whose Fig. 107, p. 260, shows subfloor walls & slab-lined base.

Measures: NW, 9'9" (7'6" to bench face); SW, 15' (13'6" to rear of bench recess).  
On NW, ceiling poles show 8'6" above floor. NBR. gives ceiling height as 9'5"

Masonry: NE ~~curve~~ <sup>wall</sup> is curve of abandoned & partly razed 2<sup>nd</sup> type kiva, abutted by NW & SW walls, of 3<sup>rd</sup> type, introduced to form dwelling. Kiva bench, @ N., is 23" w. x 21" h.; @ E., 27" w. Bench recess, @ SE., is partly concealed by abutting SW wall; N. side of recess is 19" deep & its inner corner is 8" fr. kiva wall & 3'11" fr. S. cor. of room. At exposed middle, recess rear wall is 18" fr. that of kiva curve. Apparent pilaster position, identified by blocked opening 21" w. x 16" h., is noted in kiva curve above bench, 4'4" fr. NW corner.

Door in SW wall, 7'2" fr. W cor., had been 2'5" w. x 3'10" ± h. x 35" ± above floor; was reduced to 24" w. by new E. jamb & to 29" high by new lintels & supported masonry. Sill of reduced door about 29" above floor; door may have been blocked in 1896. Blocking repositioned in 1927. <sup>Pilasters razed & room</sup> floor @ bench level?

Subfloor: Earlier SW. wall, 24" th., is evidenced by reconstructed wall and piercing NW wall 3'6" fr. W. corner & by subfloor foundation paralleling SW wall @ same distance. This foundation, 24" w. x 15" h. & supporting

R. 76-r

several courses of apparent 3<sup>rd</sup> type masonry, was built in a trench out thru <sup>former</sup> old kiva floor; it abuts the rear of the S.E. bench recess. Present NW wall was built in against either side of this <sup>middle</sup> wall before it was razed; also against kiva wall & bench. End of razed wall was finished off flush with face of NW wall.

Kiva bench rests directly upon a subfloor foundation (probably 2<sup>nd</sup> type) 18" w. x 18" h., S.E. face of which appears 4'5" fr. N. corner of bench face & extends thence SW 2'9" to tie with similar foundation, 16" w. x 10" h., @ pt. 3'9" fr. N. cor. of bench front. This 2<sup>nd</sup> foundation was razed 22" fr. junction of NW wall & bench, upon construction of latter; the foundation underlies the razed, 3<sup>rd</sup> type foundation above noted. (See Pepper, Fig. 107, p. 260)

Hyde print #451 shows 1<sup>st</sup> story ceiling poles in NW wall & portion of banded 3<sup>rd</sup> type 2<sup>nd</sup> story masonry.

Pepper's unpublished print #255 shows SE bench recess & abutting SW wall.

R. 76 B was rectangular; NE, 15'9"; SW, 15'6"; NW, 11'; SE, 11'2".  
NW wall stands 3'6" above floor level.

R. 76-3

Pepper's Fig. 107, p. 260 (1920) shows subfloor founda. paralleling SW wall; square subfloor ventilator, & slab-lined fireplace of former kiva. Also, underlying SW wall c 3' fr. W cor., what appears to be the plastered & sooted face of a concave corner of a 1<sup>st</sup> type dwelling. On N side of sub-fl. E-W wall 2 unidentified foundations @ right angles to each other, the wider of the 2 apparently underlying both the NW wall of R. 76 & its subfloor E-W wall.

## Room 78

First story room is filled.

2<sup>nd</sup> " NW wall stands 3'6" from floor level to broken top.

Pepper's Fig. 108, p. 261, shows 2<sup>nd</sup> type S.E. wall & Hyde Neg. # 26, from which Fig. 108 was made, shows 2<sup>nd</sup> story 3<sup>rd</sup> type <sup>(NW)</sup> masonry with nondescript stonework below, abutting 2<sup>nd</sup> type S.E. wall & reduced in thickness toward W. end.

## Room 80.

Excavated & partly described by Pepper. We did no work in this room. Broken NW wall now 5'6" h.

Pepper says (1920, p. 267) "After the floor was removed, a series of walls were found..." His unpublished print #270 shows a sub-floor 1<sup>st</sup> type wall  $\approx$  20" th., with apparent door in middle, running fr NW to SE & there meeting with apparent like wall extending in NE-SW direction close under SE end of room. Several mason & mason fgts, metates & metate fgts on & @ either side sub-fl. wall.

## Room 82 (2 eds)

8/31/26

Adjoins R. 68 on NE; excavated & partially described by Pepper. We reexcavated for data on subfloor walls.

Measures: NE, <sup>11'9"</sup> 11'8"; SW, 10'9"; NW, <sup>10'</sup> 10'2"; SE, <sup>10'</sup> 10'3". Broken SE wall stands 9'5" above floor - approx. 2' higher than other walls. Ceiling level not evidenced. HBR estimates ceiling height @ 9' ±

Masonry: In 3<sup>rd</sup> type, including both dressed & unworked major blocks. Northwest wall abuts NE & SW walls; E. & S. corners tied but. SE wall doubtless abutted NE side. Walls had been plastered. Southwest wall exhibits successive alterations & repairs. Doors: Former T-shaped door in NE wall was 35" h. x 28" w. below & 49" w. above. Lower part 8' fr. SE corner; sill 24" above floor. Upper part blocked & lintels provided for reduced opening; later, lower part closed. West jamb of door in SW wall, with sill @ floor level, stands 4'2" from W. corner. East 1/2 of SW wall was altered by addition of a 4" th. veneer; this has since fallen away from ~~set~~ inner masonry. A much altered door, <sup>3</sup>apparently T-shaped originally, appears in SW wall with its upper E. jamb 30" fr. W. corner. By addition of 3" of masonry, plastered, upper E. jamb was brought flush with lower E. jamb; @ same

R. 82 - 2

Shallow suspl. partitions in NE corner seen in  
Pepper print #273 not noted by ~~us~~.

Time, a slab sill was introduced 6" above the offsets ~~in~~ 26" above approx. floor level; still later, the upper portion was further altered.

Foundations: Floor rested directly upon subfloor, 1<sup>st</sup> type walls. Foundations of NE & SE walls extend 5" below floor level & include slate from ragged 1<sup>st</sup> type masonry; those of SW & NW walls, built of salvaged slabs fr. 1<sup>st</sup> type walls plus dressed friable s.s. blocks, about the plastered & smoked 1<sup>st</sup> type wall & doubtless extend down to floor connected with it. Plastered foundations of SW & NW walls suggest a triangular, subfloor bin approx. 27" d. in W. corner. Foundation of SW wall protrudes 16" thruout its length.

Subfloor: <sup>Unplastered</sup> NE face of 1<sup>st</sup> type wall 35" w. passes under NE. W. 10'2" fr. E. corner (18" fr. N. cor.); under SE wall, 8'6" fr. E. corner (21" fr. S. cor.). Base of this 1<sup>st</sup> type wall lies 8'10" below R. 82 floor; basal stones protrude about 12". Below NE wall foundation <sup>is</sup> 3'6" of blown sand mixt with debris of occupation & reconstruction; then 5'4" of stratified sand with clay pellets & occasional shards & charcoal frags. thruout entire depth; clean sand with small quantity of gravel lies 8" below base of 1<sup>st</sup> type wall & a lens of s.s. chips lies 3'9" above the base. Hyde Exped. diggings stop 4' below R. 82 floor.

Room 83

8/8/27

First type room @ N. end of East Court; excavated & refilled by Hyde Exped. Broken NE wall stands 3'6" above 2<sup>nd</sup> story floor level.

We reexcavated SW quarter to confirm Pepper's description & identification of subfloor kiva as 1<sup>st</sup> type. OK. Its masonry consists mostly of large, unworked blocks of friable s.s. heavily plastered & smoke-stained, sloping outward @ top. Inner <sup>face of</sup> kiva wall passes under NW side of room about 5'6" fr. its W. cor., (7'8" fr. outer W. cor.) Bench of floor not exposed but Pepper, p. 269, says bench is 3'2" h., well plastered & edge rounded; floor 8' below "1<sup>st</sup> floor level of R. 83" - evidently upper floor. Pepper <sup>(p. 269)</sup> notes 2<sup>nd</sup> floor, "composed of adobe & flat stones"; implies a 3<sup>rd</sup> floor on which lay his "multiplicity of walls & fireplaces". Some of these were doubtless bins. "The space occupied by the different floor levels amounted to about 2 feet." Pepper's unpub. neg. #136 shows kiva wall deep below R. 83 floor. Pepper, 1920, p. 269 notes use of a boulder [from cliff?] in 1<sup>st</sup> type kiva bench.

R. 83 B. - N.S. neg. 11851A shows <sup>frag. of</sup> 3<sup>rd</sup> type N. wall <sup>of R. 83 B</sup> abutting <sup>SW. corner</sup> 1<sup>st</sup> type of R. 78 B.

# Room 86

25W Neg. 38989A shows 1<sup>st</sup> type N. wall + 3<sup>rd</sup> type W upper E and T in 2<sup>nd</sup> story; 2<sup>nd</sup> + 3<sup>rd</sup> types @ left.

6/25/26

In section N. of East Court, NE of R. 78; NW of R. 87. Excavated, described & refilled by Pepper. We tested @ SE end for masonry data.

Measures (Pepper): N (NE), 15'; S, 14'6"; E, 8'8"; W, 9'2". We found SE wall, @ floor, 7'6" w.; ceiling poles @ E. end NE. wall protrude 10' above floor. Floor level is 7'9" below that of R. 87.

Masonry: NE, SW & NW walls of 1<sup>st</sup> type; SE wall & adjoining 4' of SW wall, 2<sup>nd</sup> type - large blocks of both friable laminate s.s., dressed & unworked - chinked with thicker spalls than in finest 2<sup>nd</sup> type masonry. Southeast wall abuts 1<sup>st</sup> type NE wall; ties with E. end of SW wall. Beginning 7' above floor level, E. 3' of NE wall changes to 3<sup>rd</sup> type masonry. Northeast & SE. wall foundations extend 12" below floor level. First story refilled to ceiling level. (See Pepper, Fig. 123, p. 287, for SE wall masonry.)

R. 86 B - Second story walls change to 3<sup>rd</sup> type masonry; @ NE, wall stands 7'2", floor level to ceiling poles.

R. 86 C - Third story wall @ E. end NE side stands 8'8" from floor level with no trace remaining of ceiling poles.

# Room 87 (3cds)

6/23/26

Excavated, described, & partly refilled by Pepper. We reopened for more data re. subfloor walls.

Measures: NE, 16'10"; S.W., 16'11"; SE, 8'1"; NW, 8'10". At NW end, floor to ceiling pole stubs, 9'10". Poles protrude fr. R. 88 thru SE wall @ 10'2". Masonry, chiefly 3<sup>rd</sup> type tho reuse of dressed friable & laminate blocks from ragged 2<sup>nd</sup> type walls suggest 2<sup>nd</sup> type construction, especially in lower NW. end. NE wall bears 70° W. of N.

Subfloor tests: Principal subfloor walls shown by Pepper (1920, Fig. 124, p. 288) are of 1<sup>st</sup> type masonry, plastered & smoked. That @ NW av. 18" w.; its SE face passes under SW side of R. 87 2'4" fr. its SW. cor. & under NE side 12" fr. NW. corner. Here, 3 ft. from NW cor., subfloor wall is abutted by another (smoked plaster rounds the union), av. 26" w., SW face of which passes under SE end of R. 87 16" fr. its SE corner. Smoke-stained plaster on these abutting subfloor walls rounds off to a blackened

fewer chips than in rooms 2<sup>nd</sup> type walls.

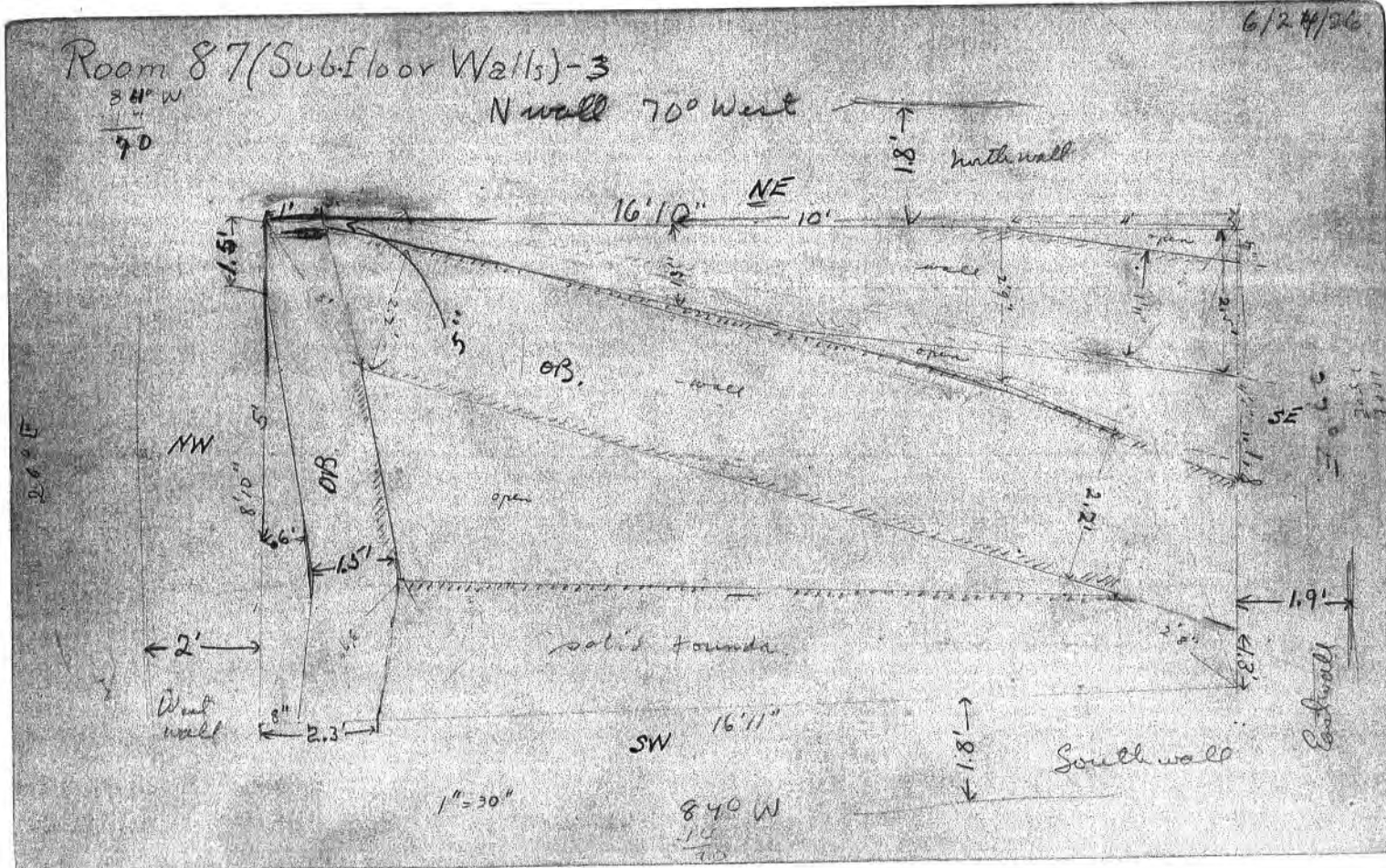
R. 87-2

cliff face

floor 6'4" below that of R. 87; their foundations, 7-18" h., rest upon several large, irregular friable s.s. blocks—apparently an early fall from cliff—that lie upon clean sand 9'10" below R. 87 floor level.

Foundation of R. 87 SW wall stands on floor connecting with the 2 subfloor 1<sup>st</sup> type walls & is built of stones probably torn from their upper parts. Foundation is unusually wide, its NE face abuts the 1<sup>st</sup> subfl. wall 3'7" from SW. corner of the Room & abuts the 2<sup>nd</sup> subfl. wall 1'8" fr. SE corner. Stones protruding from this foundation 3 1/2 ft. below R. 87 floor fell during our excavations. Foundation for NE wall of R. 87 abuts the 2<sup>nd</sup> subfloor wall for most of its length but its NE face passes under SE wall 7" fr. NE corner, leaving a narrow space on opp. side to be filled with sand. This NE founda. is probably beginning of apparent 3<sup>rd</sup> type foundation under R.s. 88, 89, 98, & 99.

R. 87 B. Prolex NW corner now stands 8'8" above floor level.



Room 88 (2 cds)

7/1/26

Excavated & partly described by Pepper. We sought data on subfloor walls. Measures: NE, 16'8"; SW, 16'11"; SE, 7'11"; NW, 8'2". Ceiling poles in NW wall 10'3" above floor extend into R. 87.

Masonry is to be classed as 3<sup>rd</sup> type altho use of dressed stones, of rather uniform thickness & chinked with laminate chips (thicker than in 2<sup>nd</sup> type), carries impression of 2<sup>nd</sup> type stonework. All corners tied. Second story is more typically 3<sup>rd</sup> type than first; SE wall resembles 4<sup>th</sup> type. Blocked T-shaped door in SW wall is 49" w. @ top; 29" w. @ bottom. Upper part lost with fallen wall but lower portion, 36" h., stands 20" above floor & 5'4" fr. SE corner. In NE wall, 14" above floor & 7'1" fr. SE cor., is open door 2'5" w. x 4'4" h.; lintels replaced in 1926. Ventilators present @ E. & W. ends of NE wall; that @ W. closed during 1926 repairs. Of 2<sup>nd</sup> story walls, 7' stands on NW side.

Subfloor tests show, <sup>NE face</sup> 1<sup>st</sup> type wall, 25" w., passing under NW wall 5' fr. NW cor. & under SW wall 12' fr. SE corner; its base lies 8'5" below R. 88 floor <sup>Southwest</sup> <sup>another</sup> face of foundation 22" h., carrying 2 courses <sup>(7")</sup> of typical 2<sup>nd</sup> type masonry, 27" w., passes under NE wall 11" fr. NW corner & under SE wall 17" fr. SE corner. R. 88 floor lies directly on this ~~razed out~~.

R. 88-2

Abutting the SW face of this subfloor, 2<sup>nd</sup> type wall, 4'10" fr. NW corner, is another of like construction — an 8" h. foundation carrying 5" of finished 2<sup>nd</sup> type masonry, 16" w. — that abuts the 1<sup>st</sup> type subfloor wall 3'8" fr. SW corner. (Floor of R. 88 rests directly upon these 2 subfloor, 2<sup>nd</sup> type walls.) Paralleling this latter 2<sup>nd</sup> type wall & uniting with the first, 4" below floor of R. 88, is a foundation 22" w. x 15" h.; its NW face is abutted by the first 2<sup>nd</sup> type wall noted while its SE face abuts that same wall 49" fr. SE cor. of room & passes under SW wall of latter 4'3" fr. SE corner.

3<sup>rd</sup> type? Still another subfloor foundation, 22" w. x 23" h., is to be noted; it lies about 3" below R. 88 floor & carries no <sup>wall</sup> masonry. Its NE face passes under NW wall 8" fr. NW cor. & abuts ~~SW face of~~ the first 2<sup>nd</sup> type wall 25" fr. NW wall of room; its E. end <sup>wedges</sup> ~~divides~~ into the angle formed by the two 2<sup>nd</sup> type walls 4'10" fr. NW corner. Apparent continuation of this foundation is represented by cut trench, 20" w., (contains no stonework), NE face of which passes under SE wall 18" fr. SE cor. & abuts the 2<sup>nd</sup> type subfloor wall 7'3" fr. SE cor. & 15" fr. NE wall. "Bench" noted by Pepper (p. 292) & shown in his unpub. neg. #348, is floor of R. 88 (15" w.) on NE side this trench; in "bench" we note 2 unplastered holes identified by Pepper as possible post holes. Floor of trench is 19" below R. 88 floor; base of SE wall foundation is 17" below floor level.

Room 89

6/23/26

Excavated, described & partly refilled by Pepper. We reexcavated for data on subfloor walls not mentioned by Pepper.

Measures: NE,  $16'10''$ ; SW,  $16'9''$ ; SE,  $8'1''$ ; NW,  $8'$ . First story SE wall stands 10' floor to ceiling poles; 2<sup>nd</sup> story NE wall stands 10' floor level to ceiling level; 3<sup>rd</sup> story NE wall stands additional 5'. Floor is on same level as in R. 88.

Subfloor: Foundation  $20''$  w. x  $17''$  h., without identifying masonry; its NE face passes under SE wall  $2'5''$  fr. SE cor. & under NW wall  $19''$  fr. NW corner. The SE wall foundation,  $20''$  h., abuts the subfloor wall as does also the NW wall foundation,  $14''$  h. (probably 3<sup>rd</sup> type)

Room 90 (2 chs)

8/6/26

Milling room between R. 89 & Kiva 75; excavated & described by Pepper. The milling bins had been mostly destroyed, hence our tests for data on subfloor walls not mentioned by Pepper.

Measures: NE,  $18'6''$ ; SW,  $18'6''$ ; SE,  $10'1''$ ; NW,  $10'2''$ . First story SE wall stands 8', floor to ceiling poles; broken SE 2<sup>nd</sup> story wall rises additional 18". East corner tied; SE wall abuts on SW; NW wall abuts on NE & SW.

Masonry: of 3<sup>rd</sup> type. Foundations of NE & SE walls extend about 16" below floor level & rest on fairly clean blown sand; in this, at depth of 5', a thin ash streak dips down to NE. Floor of room lies directly upon series of subfloor foundations.

Subfloors (1) The SE face of a foundation,  $23''$  w. x  $20''$  h., without identifying masonry, passes under NE wall  $3'3''$  fr. N. cor. & under NW wall  $9''$  fr. W. corner; it is abutted by 2 NW-SE subfloor foundations. (2) The NE face of a 2<sup>nd</sup> subfloor foundation,  $21''$  w. x  $17''$  h., & without identifying masonry, passes under NE wall  $9'10''$  fr. E. cor. & apparently passes under SE wall  $4'9''$  fr. same corner. Built against SW face of this foundation & forming part of it is an addition,  $8''$  w. x  $12''$  h., the SW face of which abuts the 1<sup>st</sup> subfloor foundation immediately under

R. 90 - 2

The NE wall 3'3" fr. N. cor. & ties, 9" fr. SE wall & 3'4" fr. S. cor., with a (3) subfloor foundation, 20" h., the NW. face of which passes under SW wall 23" fr. S. corner. (4) Abutting the 8" addition to the 2<sup>nd</sup> subfloor foundation @ pt. 3'4" fr. SE wall (or 5' fr. S. cor.) is a similar foundation, 15" w. x 11" h., the SE face of which passes under SW wall 5' fr. S. corner. Paralleling NW side of this latter foundation @ distance of 5" is (5) a 2-course foundation, 13" w. x 6" h., which also abuts the 8" addition & passes under SW wall to tie with (6) another rough foundation, 28" w. x 17" h., which extends thence NW to about the 1<sup>st</sup> subfloor foundation 5'8" fr. N. corner. (If continued, the NE face of this 6" founda. would pass under NW wall 5'2" fr. N. cor.) Upon & in line with this 6" foundation & incorporated in SW wall 7'3" fr. S. cor., is a ft. of 2<sup>nd</sup> type masonry — a single, dressed laminate block with typical 2<sup>nd</sup> type chinking — which doubtless identifies all the connected, subfloor foundations above described.

(7) The NE face of another rough foundation, 18" w. x 13" h., without identifying masonry but probably 3<sup>rd</sup> type, passes under SE wall 3' fr. E. cor. & abuts the NE. face of the 2<sup>nd</sup> subfloor foundation 3'8" fr. SE. wall.

R. 91 <sup>3<sup>rd</sup> fl.</sup> (Pepper, 1920, pp. 297-8) 2<sup>nd</sup> story of R. 3.

"... is situated over R. 3." (p. 297)

"An opening was made in its SE cor. in 1896 to make an entrance to the series of open rooms that run northward [NE] fr. R. 3 ... The opening ... was surrounded with bunches of cedar bark tied with yucca cords." Hatchway to R. 3, below.

# Floor on 4 E-W [SE-NW] beams "nearly 1 ft. in dia." (p. 297) These extended into W [NW] wall c 1 ft. "and protruded fully 8 ft. beyond the eastern [SE] wall." 2 N beams packed with cedar strips for full thickness (2') of SE wall. (p. 297)

Masonry. Lower part [R. 3 fl.] heavily plastered, in places 2" th. If an estufa or council chamber, no bench (p. 297) Recall (p. 298) vent opening & flp. found when clearing R. 3 [on floor of R. 91. Fig. 9, p. 41]. "... in digging down to the beams ... E of R. 91, a square opening was encountered ... probably the upper end of the air passage fr. R. 3. It was near the southeast wall of R. 91 ... " (p. 298). E [SE] wall 2' th. & "made of good-sized stones." (p. 297).

R. 91-2

NW wall "rather uneven"; had settled westward 4" @ top. Blocked door near S end. In N [NE] wall, 1' th., square door in "west central part," blocked & plastered over. (p. 297).

*see below* ↓  
"The S [SW] wall was solid & in good condition" but most of plaster had fallen. Square door "in W central part" "extended about 6" above the ceiling beams to the top of the standing wall." (p. 298) Door may have had sill @ floor level; latter covered by 6" adobe.

"The walls of this room [91] were standing on an average of about 5 ft. above the floor beams..." (p. 298)

If SW wall, like the SE, was of 2<sup>nd</sup> type masonry then building of R. 91 with S door preceded construct. of Kiwa Y.

*see notes* || (1924) SW wall is 2<sup>nd</sup> type & has settled to NE. Blocked SW door is 25" w. & 4' 1" fr. W corner. We piled loose stones against this wall as support.

R. 91-3

Of the hatchway in SE corner Pepper (1920, p. 43) writes "One foot N [NE] of the S [SW] wall & about the same distance fr. the E [SE] wall, was an opening in the ceiling by means of which this room could have been reached from the one above. It was 3' long & 2' wide &, when found, was sealed with matting & bunches of cedarbark tied with yucca leaves. Upon this... a layer of large flat stones had been placed."

Room 92 3cds

Second story of R. 97 (R. 3a)

Break in SE wall may be the door noted by Pepper.

T-door in 1st type NVW wall is 21" w. x 34" h. for lower part; 3'10" w. for upper part which is 31" fr. N. corner. Repaired by NPS.

NW wall appears 3rd type tho not of characteristic 3rd type masonry. Its blocks are large, both dressed & unworked stones of both laminate & friable s.s.; it abuts the 2nd type SE wall. Good 3rd type stonework is present in the 3rd story, NE wall.

NPS  
repairs

In 1926 (?) Natl Park Service repaired NW wall, including T-shaped door; built steps down to R. 3b (R. 110).

R. 92 - v From Pepper, 1920, pp. 298-300.

"... directly E [NE] of R. 91..." (p. 298) 2nd story of R. 3a or R. 97.

Fill: On floor c 2 ft. fallen masonry; below this, 5-12" of sand washed in fr. SW & covering "upper floor." Charred beams thru the debris " & a great deal of corn... on the fallen floor. A bunch of bean bushes... & masses of beans... still green; corn on the cob; & beans in the pod..." Removed this then "layer of stratified sand" before reaching "the main floor" [2nd story floor?]. "The room [1st story?] was very dry..." (p. 298).

"... large flat fireplace" in W middle floor. Its bottom "well smoothed & only a trifle below floor level." (p. 299) With remnants of a rim c 3" h. x 8" w., this was 2nd story fireplace, built upon ceiling beams, split cedar, etc. Middle floor had settled several inches on acct broken beam. (p. 299).

W [NW] wall, a continuation of that in R. 91, had

R. 92-3

settled outward  $\approx 3"$  @ S.  $\&$   $\approx 2"$  @ N. Door in middle. This wall was of the old type, narrow @ the bottom & broad @ the top — a T-shaped door in 1<sup>st</sup> type masonry. Prob. blocked.

N [NE] wall "composed of large faced stones chinked with smaller ones; ... abuts on the E [SE] & W [NW] wall & is nearly  $3\frac{1}{2}$  ft. thick." Door @ W [NW] end  $\approx 4"$  above floor; plaster on W [NW] jamb intact; on opposite side [SE jamb] had fallen. This is 3<sup>rd</sup> type masonry built against the orig. 1<sup>st</sup> type wall separating R. 3a & 3b.

Lintel of 4 poles 5" dia. chinked on outside with small stones. # (p. 299). Outer lintel extends SE  $5'4"$  fr. jamb. [on p. 305,  $5"$ ]

E [SE] wall "composed of good-sized stones ... well laid." Most of plaster fallen. Doorway of rectangular shape filled with debris. [Probably blocked.]

"S [SW] wall is very solid & exceedingly well made." Rectangular door; plaster mostly fallen. W [NW] wall, 1 ft. Th. had settled outward  $\approx 3"$ . (p. 300)

Room 97, 5<sup>th</sup> ed. See Pepper, 1920, figs. 127-128, pp. 307-8.

Pepper's room 3a; also, 97, "directly under R. 92", (p. 304).

Door into R. 3b (1<sup>st</sup> story of R. 110) is 16" w. x 35" h., approx.

Reduced opening owing to added 3<sup>rd</sup> type masonry built against original 1<sup>st</sup> type NE wall & ~~added~~ against 2<sup>nd</sup> type SE wall which stands against orig. 1<sup>st</sup> type, post-&-adobe wall.

Large-stone 3<sup>rd</sup> type masonry shows also in 2<sup>nd</sup> story NE wall; superior 3<sup>rd</sup> type stonework in 3<sup>rd</sup> story, against original 1<sup>st</sup> type masonry.

Pepper's R. 97 print # 327 shows 2<sup>nd</sup> story SW wall overhanging by several inches 1<sup>st</sup> type SW wall of 1<sup>st</sup> story R. 97. Most of this 2<sup>nd</sup> story <sup>2<sup>nd</sup> type SW</sup> wall was removed during excavation of R. 97 for it was still standing about 3' & for whole length when 2<sup>nd</sup> story R. 92 was cleared (see Pepper's print # 304).

Door in SW wall of R. 97 & imprints of hands & fingers in plaster, show on Pepper's print # 302. Print # 303 shows adobe rimmed fp. in middle floor; hatchway against middle SE wall; NE-SW poles over NW-SE beams. Print # 304 shows SW half of R. 92 with doors in middle SW wall; in middle SE; in NW wall; hatchway in floor. below N jamb of SE door (to terrace overlooking Kiva R.).

Room 97-2 (From Pepper, 1920, pp. 304-308)

"is directly under R. 92 & is of the same form." (p. 304)

"The SW wall of this room is the NE wall of the square estufa, R. 3, & extends to the ceiling timbers where its top is formed by a beam  $\approx$  8" dia., that extends ~~the~~ <sup>its</sup> whole length & enters the NW wall." SW wall roughly built; plaster in places 2" th. & <sup>carries</sup> bears finger imprints, "bear tracks", incised snake-like lines, 2 hand imprints S of door. Latter is narrow & high, "fr. the cross beam @ the top of the wall to within 2 ft. of the floor"; upper part blocked (p. 304). "This [SW] is a dividing wall & simply abuts on the NW & SE walls" (p. 304). NW wall had settled outward  $\approx$  1 1/2"; sooted stones show some of plaster had fallen during occupancy. (p. 305). Door near middle of NW wall rectangular; 5 2-inch lintels, sooted & "dirty."

NE wall "stands out in strong contrast" to the others (p. 305). "It is made of large stones chinked with smaller

R. 97-3

Pepper's best descrip.  
of new NE wall.

ones & is about the same type of wall as that seen in the outer series of the W side of the pueblo." (p. 305) "No plaster.

"There is a doorway in the NW corner that proves... that this, the NE wall, is a new one & that the other 2, the NW & SW, are older. The NW side of this doorway is a continuation of the NW wall, has the same blackened plaster... It ends in an old smoke-begrimed doorway... of the old room" [R. 3b]. Lintel poles & jambs of old 1<sup>st</sup> type door are black "whereas the lintel poles & the SE side [jamb] of the new doorway are bright & clean, as tho but a few years old" (p. 305) 6 lintel poles, 2-4" dia., on new side of door, the outer one extends 5" beyond the door jamb, "its whole surface being exposed in the face of the wall" (p. 305). [On p. 299 exposed portion given as 5'4"] Unplastered SE jamb 26" th; old jamb beyond,  $\approx$  16" th. & "joins the new one at an angle, the slant being toward the SW" (p. 305) & NE wall "had evidently never been plastered" (p. 305).

R. 97-4

New NE wall built around an old, black beam c 6" dia., of earlier date. Pepper suggests (p. 306) that this beam might have supported a 2<sup>nd</sup> story wall but do these occur in 1<sup>st</sup> type houses? From this partly concealed beam NE-SW ceiling poles crossed room to beam on top SW wall. [beams & poles show clearly in Pepper's Figs. 127-128, pp 307-8).

SE wall "irregular & of the wattle type" Quote descrip. p. 306. Pepper's Fig. 127 shows orig. pole-&-rock construct. & later (2<sup>nd</sup> type?) facing masonry, unplastered "like the NE wall".

Bench @ base of SE wall between NE wall & "the jutting wall." This latter "was of the wattle type & ran to the ceiling level @ the SE end, but was lower @ its NW limits... It is composed of 7 or 8 upright poles that are bound laterally with bunches of willow & tied with withes of the same" (p. 306) @ Bundled willows about post @ NW end gave rounded appearance. Pepper's Fig. 127 shows these features clearly.

Partitions  
8" dia. x  
4'4" long  
(p. 44)

R. 97-5

Ceiling hatchway in SE cor. & step in wall plaster "to help in making an exit. The wattle beams @ the ceiling level were tied with split willows & yucca cords" (p. 306).

Slab-sided bin in SW alcove (p. 308)

Large fp. in middle of room. Another in SE alcove & a clay base for post, packed with "thin pieces of wood" & enclosed by clay jacket (p. 308) @

described  
p. 43.

Room 98 (2 eds)

6/22/26

Between R. 89 & 99; NE. of R. 20. Excavated, partly described & partly refilled by Pepper. We reexcavated for data on subfloor walls.

Measures: NE, 16'10"; SW, 16'8"; NW, 8'2"; SE, 8'6". Floor to NE beams, 8'; ceiling poles approx. <sup>8'10"</sup>12" higher; 2<sup>nd</sup> story NE wall is 10' floor level to ceiling offset; 3<sup>rd</sup> story NE wall is broken @ 5' above floor level.

Masonry: is 3<sup>rd</sup> type. All 4 corners tied; walls had been plastered. Doors show in middle NE wall of 2<sup>nd</sup> & 3<sup>rd</sup> stories. Door 27" w. x 36" h. & 17" above floor in NE wall 7'7" fr. N. corner. Blocked door in SE. wall, 2'11" fr. E. corner was 2'5" w. x 3'6" h. Blocked T-shaped door in SW wall was 24" w. @ bottom & 48" w. @ top; height of lower part, 22"; total height to orig. lintels, 5'8". Lower part is 9'5" fr. S. cor. of room; offsets later covered by masonry forming new jambs & new lintels introduced 7" below older ones. Subsequently, door was further reduced by new sill @ offset level; by new lintels 30" above that sill; by 7" of new masonry on E side & 3" of masonry on W. Below this door, plastered masonry steps as described by Pepper, (p. 313). Second blocked door in SW wall was 22" w. x 2'8" h.; 2'7" above floor & 10" fr. S. cor. East 1/2 of SW wall including lower portion of blocked T-shaped door, shows much repair. Ventilator in NE wall,

R. 98 - 2

22" fr. N. cor. is 13" w. x 11" h. to pole lintels; 2<sup>nd</sup> NE. vent, blocked, is 13" w. x 16" h. & lies 12" fr. E. cor. & 6'9" above floor. No vents in other walls.

Foundations: That of SW wall rests on blown sand 20" below floor level; NE wall shows 5" of finished masonry below floor, then 21" h. foundation resting on blown sand containing clay pellets, charcoal, stone spalls & occasional shards — debris which slopes down slightly to N. Northwest wall overhangs its 21" h. foundation approx. 3"; SE. wall overhangs its 26" h. foundation about 2".

Subfloor foundation 20" w. x 19" h., without identifying masonry, lies 2" below room floor; its NE face passes under SE. wall 3'7" fr. E. corner & under NW wall 2'8" fr. N. corner. (Here it is 19" w. x 22" h.) Foundations of NW & SE walls about this subfloor foundations.

98B-C - Pepper's print 528 shows door in middle N. with secondary jambs for door slab from 98B; W. jamb of N. door, R. 98C.

Room N. of 98.

Masonry: Lower  $\frac{2}{3}$  of S. wall, ~~at~~ 2<sup>nd</sup> storey, is 2<sup>nd</sup> type; upper  $\frac{1}{3}$  & all of 3<sup>rd</sup> storey is 3<sup>rd</sup> type. E & W. walls, probably 3<sup>rd</sup> type but with suggestion of 2<sup>nd</sup>.  
SE corner door; 2<sup>nd</sup> storey.

Room 99 (4 eds)

7/6/26

Situated NE. of R. 60; N. of R. 70. Excavated, described & partly refilled by Pepper. We reexcavated for subfloor walls not mentioned by Pepper.

Measures: NW, 8'9"; NE, 14'10"; E, 8'; S, 4'11"; SW, 16'10". Floor to ceiling poles, 8'10".

Masonry: Of S. wall is early 2<sup>nd</sup> type, a continuation of lower S. wall in R. 60. Other walls best classed as 3<sup>rd</sup> type tho, ~~and then~~ containing many stones from razed 2<sup>nd</sup> type walls, they resemble 2<sup>nd</sup> type masonry. East wall stands <sup>upper level</sup> at floor & abuts plastered S. wall; abuts NE wall also but ties with its upper section where 4<sup>th</sup> type repairs were made. Vertical, finished breaks occur in E. wall 15" & 3'5" fr. SE cor. as tho masonry on either side was built against wall once extending thru here; between the breaks is plainly patchwork. North & E. corners are tied, in both 1<sup>st</sup> & 2<sup>nd</sup> stories. At NW. end, charred ends of 7 poles in NE & SW. walls mark position of former shelf, 4'6" w. & 4'10" above floor. East wall only 1 story high. In NE wall, @ ceiling level, a short section of 3<sup>rd</sup> type masonry protrudes @ an angle (& is overbuilt by present masonry) directly above & in line with S. face of E-W. subfloor <sup>foundation</sup> to be noted & thus tends to identify some of subfloor foundations. East of this protruding section, the 1<sup>st</sup> story N. wall has been patched.

Pepper notes 4" blown sand on floor @ W. end; on it, 11 pitchers. (P. Fig. 131)

R. 99-2

<sup>we find this door 43" h. to main lintels; 6'11" fr. N. cor. 5'9" above probable floor level.</sup>

Doors: In NW wall, 3'1" fr. W. cor. & 21" above floor, blocked door 2'5" w. x 3'6" h. Pepper notes: In middle NE wall, door 28" w. x 39" h., with slat sill just above floor & lintel poles 2'7" above sill; with secondary jambs each 4" w. & sloping outward 8" to N. Thus reducing width to 20". <sup>(it is 27" w. x 36" h. & 7.5" fr. W. cor.)</sup> Pepper notes blocked door 18" above floor in middle SW. wall; also, square door in S. wall 3'5" above floor & reached by stone slab on end & 2<sup>nd</sup> step in S. wall - a pocket 9" w. x 6" h. x 11" d. - 22" above floor. <sup>(we find it 22 1/2" w. x 24 1/2" h. to board lintel; 24" fr. SE corner)</sup> (Sill of this door lies just above floor (removed) of R. 70 - see N.G.S. print # 18668-A.) Slat step belongs with last floor since <sup>in R. 99</sup> it does not pierce the <sup>2<sup>nd</sup></sup> floor.

Ventilators: Pepper notes blocked vent, about 12" w. x 18" h., in NE wall 5'6" above floor & 10" fr. N. cor. <sup>(we find it 6'2" above supposed floor under NE door);</sup> possible 2<sup>nd</sup> vent. @ E. end of NE wall.

Foundations: That of NE wall extends approx. 2'6" below approx. floor level; of SW wall, extends 16" below floor. East wall, standing on upper floor, has no foundation for S. 1/2 except 4" subfloor foundation to be noted. Foundation of S. (2<sup>nd</sup> type) wall is 2'8" h.; its base lies 4'5" below R. 99 floor. Two earlier floors, @ 8" & 14" below E. wall, round off with S. wall plaster. Abutting SW wall & foundation, <sup>blocked</sup> door thru S. (2<sup>nd</sup> type) wall into subfloor R. 70 (see N.G.S. print # 18668-A) & Pepper print # 245.

R. 99-3

<sup>of R. 99</sup>

Subfloor: Floor rests directly upon 5 subfloor foundations, each without identifying masonry. (1) NE face of foundation, 20" w. x 14" h., emerges fr. under NW wall 3'8" fr. N. cor., parallels NE wall & ends 4'2" fr. NW wall; its beveled SE corner aligns with S. face of (2) a similar foundation, 18" w. x 14" h., N. face of which abuts the 1<sup>st</sup> founda. 16" fr. NW wall & passes under the latter 26" fr. its W corner. (3) North face of foundation 20" w. x 16" h., apparently ties with NE wall founda. 10'4" fr. N. cor. & abuts founda. of SW wall 2'6" fr. W. cor. (4) South face of foundation 18" w. x 16" h., passes under E. wall 17" fr. SE. cor. & under SW. wall 20" fr. S. corner. (5) Southeast face of similar foundation 20" w. x 17" h., abuts 4<sup>th</sup> founda. 26" fr. E. wall & ties with E. wall foundation 4'7" fr. SE corner. Note that foundation of NE wall extends about 2'6" below floor; that floor rests on subfloor foundations; that these are all 16" h. & probably rest on the lower 2<sup>nd</sup> type floor connected with S. wall.

R. 99-4

R. 99-B: Second story walls stand on all except E. side; R. 99 B. extended over triangular R. 292. At NW, broken 2<sup>nd</sup> story wall stands 7'6" above floor level. Pepper notes <sup>(p. 316)</sup> corner door thru this wall @ N.; evidence of 3 doors thru SW. wall into R. 60B. ~~one of these & corner door~~ 4" fr. S. corner. Masonry is 3<sup>rd</sup> type tho strongly resembling 2<sup>nd</sup> type, especially @ E. end of NE wall, above R. 292.  
Measures: NE., 25'9"; SE., 13'11"; SW., 17'4"; NW., 7'10".

Pepper print #474 shows apparent door thru N. corner.

Room 100 - (1<sup>st</sup> fl)

8/29/29

Long N-S room in outer NW quarter, betw. R. 93 & "old darkroom". (Pepper, p. 318)

Measures (Hyde table): N., 4'2"; E., 17'; S., 4'6"; W., 16'. Floor to 6 N. ceiling pole <sup>av. 4" dia.</sup> positions, 11'. Two parallel beam holes <sup>6" dia.</sup> are noted in middle W wall.

Masonry: S. 8' of E wall (Pepper, p. 317) & S. wall are 1<sup>st</sup> type; remainder are 2<sup>nd</sup> type. West wall abuts S. First type (outer face) walls partly covered with tiny chips <sup>mosaic</sup>. At S. end, ceiling poles are 8" above protruding poles (2 pine; 1 cottonwood) in R. 104 B. ceiling. Dressed willows still show in 2<sup>nd</sup> type E & W walls @ upper side of pole level. At N. end

<sup>100B</sup> only of W. wall, 2<sup>nd</sup> story masonry overhangs 4". At S. end, W <sup>subfloor</sup> wall foundation, 23" h., abuts jutting 1<sup>st</sup> type stonework; it protrudes 18" & Pepper (p. 318) calls it a "bench", 3' h. We find this thicker masonry standing about 13" above, & abutted by, floor level of 2<sup>nd</sup> type walls.

Door in E. wall 22" above floor & 21" fr. NE cor. is 3" wider @ sill than at lintels; 7 lintels w. 1 1/2" dia. (Pepper, p. 317)

<sup>subfloor</sup> On E side, base of 1<sup>st</sup> type wall is 5'9" below base of 2<sup>nd</sup> type masonry & 6'1" below 2<sup>nd</sup> type floor. Latter had been cut thru by earlier excavators. Stratified sand, fallen masonry & reglet matter above floor; below it, stratified sand, adobe & stray bits of charcoal.

## Room 104.

Excavated & described by Pepper (1920)

S. of R. 100; N. of R. 111; NE of R. 107.

We did no work here. NGS Neg. 11927-A shows W wall of a partition built in a 1<sup>st</sup> type OB room<sup>(107)</sup> & doubtless contemporary with 2<sup>nd</sup> type W wall of R. 100 altho. built with larger laminate s.s. chinking than in latter. Also, dressed blocks of friable s.s. seem closer together.

## Room 105 (2 eds)

7/27/26

In SW 1/4 of ruin; adjoins R. 25 on W.; excavated & described by Pepper. We sought data on subfloor walls not mentioned by Pepper.

Measures: N, 9'11"; S, 12'2"; W, 16'6"; E, 12'6"; NE, 4'. Floor to beams, 12'; to ceiling poles, 12'8"; to 2<sup>nd</sup> story floor offset, 13'6".

Masonry: Of excellent 3<sup>rd</sup> type — bands of thick dressed, friable s.s. between laminate blocks in courses comparable in thickness to dressed stones — with exception of NE <sup>lower 1/3 of</sup> wall, which is 2<sup>nd</sup> type — overlain by 3<sup>rd</sup> type reconstruction. According to Pepper, only lower part of NE wall was plastered; no plaster on other 4<sup>th</sup> walls. Pepper regarded this room as part of new section of ruin; reports its abandonment was as rubbish pit. North wall abuts on NE; E. wall abuts on lower part of NE & ties in upper part where 3<sup>rd</sup> type replacement occurs. Corners @ NW, SW & SE are tied. All walls excepting NE stand @ floor level with foundations below; W. wall foundation 12" h.; depth of NE foundation not learned.

Doors: In N. wall, door 25" w. x 4'9" h. to lintel poles x 24" <sup>above</sup> sill, is 11" above floor & 4'9" fr. NW corner. Blocked S. door, 25" w. x 5'3" h. to lintels is 14" above floor & 4'6" fr. SW cor.; has secondary lintels 47" above sill but no <sup>above secondary lintels, mortar</sup> (Pepper, p. 322)

R. 105-2

Pepper, p. 324, says W door was, well blocked.

secondary jamb. West door, 26" w. x 3'6" h., is 6'6" fr. SW. cor. & about 17" above floor. In middle E. wall, <sup>26" thick,</sup> is broken hole, noted by Pepper, which probably marks position of former door, no trace of which now remains.

Subfloor: Inner face of razed kiva wall, 14" w. x 6" h. & built of laminate blocks in 3<sup>rd</sup> type masonry, passes under E. wall 6'3" from SE cor.; turns thence concavely to N. & W. where it was razed, 12'7" fr. SW. cor., when W. wall foundation was laid. Apparent kiva floor is 8" below that of R. 105. The E. & W. <sup>room</sup> walls rest directly upon this kiva curve; the latter, without foundation, stands on a fill of debris of reconstruction. South of this kiva curve is a rough foundation, 20" w. x 15" h., the S. face of which abuts the E. wall 9" fr. SE. cor. & ties with W. wall foundation 1" fr. SW. corner. Abutting & overlying this E-W foundation & apparently tying with S. wall foundation 47" fr. SE. corner is a rough N-S. foundation, 28" w. x 24" h. without identifying masonry, that abuts the inner N. face of the subfloor kiva 4'6" fr. E. wall of R. 105 & 11'2" fr. its S. wall.

(p. 323)  
R. 105B - Pepper notes 8' of S. wall second story masonry; unpublished Hyde print #562 shows this wall. It had fallen before 1920. over

Unpublished Hyde print #484 shows R 105B north wall standing, door in middle. ~~The 1<sup>st</sup> story~~ <sup>N. or</sup> W. door.

Perhaps not deep enough to show?

NBR gets 7 E-W beams, cp. & cedar shakes above; W 1/3 rebuilt by whites.

# Room 106

6/25/26

The R. 23 of Hyde's groundplan which erroneously interchanges the 2 rooms. Fully identified by Hyde's measurements & Pepper's unpublished prints #359 & 366. Excavated, described, & partly refilled by Hyde expd. We sought data on subfloor walls not mentioned by Pepper.

omit in plan

Masonry of superior 3<sup>rd</sup>-type. Pepper removed N-S. partition, 15" w. x 4' h., built on debris fill 4' 2" fr. E. wall; noted blocked E door & partly blocked W. door.

Subfloor: W face of NW-SE 2<sup>nd</sup>-type wall 23" w. & razed @ 38" h., emerges fr. under N. wall 5' 5" fr. NW cor., extends diagonally across room 8-20" below floor & passes out directly beneath SE cor. where it stands on a 26" h. founda. based on ashy sand 5' 8" below 106 floor. Abutting NE face of this partly razed wall 14" fr. N. side of room is (2) S. face of comparable 2<sup>nd</sup>-type wall, on like founda., that extends to & directly under NE cor.; (3) E face of rude founda., 20" w., composed of friable S.S. & much mud — smooth-sided as the laid

#3 & 4 prob. 3<sup>rd</sup>-type founda.

## R. 106 - 2

in a trench — abuts S. founda. of 106 32" fr. SE corner, extends to & abuts W. side of NW-SE subfloor wall 6' 11" fr. SE cor. of 106.

(4) N. face of another rude founda., 14" w. x 8" h., now 26" below floor, meets W. wall founda. 5' 4" fr. NW cor. & abuts diagonal subfloor wall 5' 2" fr. N. side of room.

Room Foundations: NW corner stands on solid masonry 10" h. SE face of which passes under N. wall 3' fr. N.W corner & under W side 4' 5" fr. same corner; E 1/2 stands on 2<sup>nd</sup>-type subfloor founda. (1) & (2). At SE cor., E. wall stands on 2<sup>nd</sup>-type subfloor diagonal wall 23" w. x 38" h. & 8" below floor; remainder is founda. 17" h. on ashy earth 20" below floor. S. wall founda. is 26" h.

## Room 107

9/20/27

First type room with 2<sup>nd</sup> type repairs, in NW 1/4 of ruin. Excavated, described & refilled by Pepper. We reexcavated E corner for more data.

Masonry: <sup>unplastered</sup> NE wall is 2<sup>nd</sup> type, abutting NW & SE <sup>plastered</sup> 1<sup>st</sup> type walls; SW end also 1<sup>st</sup> type. New NE wall of large dressed friable ss. but chinked with thicker chips than is usual in 2<sup>nd</sup> type masonry. This new wall stands on floor; SE wall extends 8" below floor. Door in SE wall is 2'5" fr. E corner; 3'10" above floor. Pepper describes slabs on edge facing SE foundation to form bench 1'w. x 2'6" h. Ceiling, 8'5".  
Debris fill leveled off at ceiling level in 1922.

R. 107B - Second story NE wall suggests 3<sup>rd</sup> type masonry. Pepper described & removed floor - adobe over cedar bark, over adobe on another layer cedar bark resting on "split pine boards or slabs" supported by "finest series of poles" in the ruin, then logs (cottonwood) with 4 new beams introduced above them. The new beams & fine poles (supposedly pine) doubtless were placed when the 2<sup>nd</sup> type NE wall was built. In middle 2<sup>nd</sup> story NE wall is a door.

## Room 108

9/21/27

Pepper says Rs. 108-109 "overlie the underground rooms described in connection with R. 3". Hyle gives no dimensions.

N.S. test in that space marked R. 108 on Hyle's plan shows 1<sup>st</sup> type masonry; 1<sup>st</sup> type S. wall abutting smoothed plaster on NE wall. Plaster on former rounding off to new coat on latter which abuts plaster on NW wall. There is but one floor level altho NE wall foundation is 16" h. & S. wall foundation, 24" h. Below foundations, clean blown sand. Floor to ceiling poles is 8'6"; poles lie 20" above those which protrude fr. R. 111A, next on NE.

Post as beam support stood 42" fr. E cor. & 8" fr. NE wall, in slab-sided pit, 17" dia. x 16" d., packed with shale.

Test in SE cor. does not show Pepper's S. wall.

R. 108B - Door opens into R. 111B with sill @ R. 108B. floor level.

## Room 110 (R. 3b) 3cds

For description, see Pepper, p. 44; pp. 328-330.

3b. Is 1<sup>st</sup> story room; R. 3d is 2<sup>nd</sup> story; R. 110 is 3<sup>rd</sup> story.

Masonry is 1<sup>st</sup> type. Door in W wall (Pepper's S. wall) shows masonry 23" thick with 2<sup>nd</sup> type wall 25" th., abutting on outside. (At upper SW corner of R. 57, this double wall is 40" thick) Door on

R. 110-C - In S. wall 13" above floor & 10" fr. SE cor. is smooth-cut end of 10 1/2" dia. pine beam, introduced fr. R. 57. (Sect. cut fr. R. 57 end for AED)

Door in E. wall 49" fr. SE cor. was 22" w.; E wall is 22" thick.

Pepper (p. 329) reports floor in good condition.

## Room 110-2 (a 3<sup>rd</sup> story room)

From Pepper, 1920, pp. 328-330.

"is situated just N[ENE]W of R. 57"; W of Rs. 58063; S. of R. 111. "... is one of the highest perfect rooms in the pueblo."

"... is part of the old blq & below it are 2 open rooms ... described in 1896 ..." (p. 329) That "directly beneath R. 110 is the one thru which we gained entrance to the series ... thru a hole broken in the wall ... the lower room was reached thru a hole in the NW corner."

Fixtures & ceiling identify lower room as 3b; upper, as 3d. In 1926 NPS repaired hole broken thru middle NE wall of R. 3d fr. R. 58 & hole in NW cor. of floor; also, in NW wall of 3b thru which R. 3c was entered.

In S [EE] wall, 10 1/2" dia. beam, "its smooth end flush with the wall surface" shows 13 3/4" fr. above floor & 10" fr. E [NE] wall. This is 2<sup>nd</sup> story (?) beam fr. R. 57.

R. 110-3

Door near middle of E [NE] wall is rectangular with slab sill, lintels fallen. No W door noted in R. 58.

Beam rest in E [NE] wall c 3" dia., 2'10" from S [SE] wall & 4'6" above floor. A corresponding rest in SW wall.

Walls av. 5'6" h., ~~at~~ none reaches ceiling level. Floor in good condition. (p. 329)

NE wall  
of R. 92

"There is a wall that forms part of the E [NE] wall of R. 97 [92] & runs parallel with the W [SW] wall of R. 110 & rests against it, making a thickness of 3 ft." (p. 330)

Room 111. <sup>2 cds</sup> From Pepper, 1920, p. 330.

"lies just N [NW] of R. 110, S [SE] of R. 104 ... W [SW] of R. 63."

"The lower part of this room [identified as R. 3c - see cds] was broken into thru the S [SE] wall in 1896 ... A part of the upper room was <sup>[already?]</sup> exposed & during the winter of 1897-98 Al. Wetherill, et al. ... dug out the debris that rested upon the floor, & then after removing the floor beams, continued their work beneath the floor level of the lower room." (p. 330)

"No openings in the upper walls ..."

"No ceiling beams ... but the poles ran E & W [NE-SW]."

In 1896 descrip. [of R. 3c p. 41] mentioned "beams that ran N & S [NW-SE] under the ceiling poles & parallel with & near the E & W [NE-SW] walls, these were supported on posts ..."

Lower room well plastered; rectangular door in W [SW] side [to R. 108?] has pole lintels & 4" below them,

R. 111-v

a board lintel; space betw. filled with s.s. slabs & mud. Sides heavily plastered; rounded @ top.

Lower part of N [NW] wall "slants northward fully 8" fr. the perpendicular..." S [SE] wall abuts on E [NE] & W [SW]; NE & SW abut on N [NW]. Inside face of E [NE] wall almost in line with outside E wall of R. 104; inner NE cor. of R. 111 is rounded.

JPB #80, cottonwood beam from 111A gave AFD no date.

Room 114

7 floor of R. 317, 2'8" above its foundation, is 2'21" below floor of R. 114.

5/9/24

In outer tier, NW side; excavated, described & partly refilled by Pepper.

Masonry: Good 2<sup>nd</sup> type - large dressed friable s.s., chinked with small chips. <sup>unplastered.</sup>

Door in NE wall, 22" w. @ top, is 25" fr. E. cor.; SW. door, 20" w. @ top, is 24" fr. S. cor.; NW door, originally blocked, is 24" w. @ top & 7'8" fr. N. corner. No ventilators.

Hyde unpub. neg. 546 shows NE end & door; also 114B wall ft.

8/16/27

Measures: NE, 5'10"; SE, 16'5"; SW, 5'1"; NW, 18'1". In N. cor., ceiling poles show 10'4" above floor. Wall thickness (Pepper): NE & SE, 18"; NW, 29".

Subfloor: Foundation of NW wall is 16" h.; of SE wall, 15" h. Outer SE wall abuts outer NW masonry of 1<sup>st</sup> type R. 317; @ R. 114 ceiling level, the 2 walls are separated by a 16" space, filled with debris of reconstruction; R. 317 foundation, 17" h., is 3' from plumbed inner SE wall of R. 114. Like other exterior, 1<sup>st</sup> type walls, <sup>outer</sup> NW masonry of R. 317 is vertically convex; it is plastered above the foundation but lacks the minute chips found in outer NW walls of Rs. 102-3, & others. Foundation of R. 317 NW wall <sup>17" h.</sup> rests on clean sand 4'7" below base of R. 114 SE <sup>foundation</sup> wall or 5'10" below R. 114 floor. Beneath floor of R. 114 is 15" debris of occupation; then debris of reconstruction, mixt with blown sand & early type sherds to base of R. 317 foundation. R. 114B - At NE end, 3' of second story wall still stands.

Room 115

2cds

5/29/24

In outer NW tier; excavated & described by Pepper, 1920. Filled to lintel level with blown sand, we did not reexcavate.

Masonry: Good 2<sup>nd</sup> type. NE door 24" fr. E cor., is 25" w. @ sill & 20" w. @ top x 3' h. SW door, 28" fr. S. cor., is 21" w. @ top. In NW wall 4'8" fr. N corner, N jamb of flopped door. Its S. jamb, half the blocking, & <sup>5. half</sup> rest of wall replaced with 3<sup>rd</sup> type masonry. No ventilators.

Unpub. Hyde Neg. 551 shows N door; N & E walls, R. 114 beyond.

9/9/26

Test pit, outer W side: Test shows former door, <sup>3' h.</sup> carefully blocked with 2<sup>nd</sup> type masonry equal to that of orig. wall with sill 3'9" above base of 2<sup>nd</sup> type <sup>masonry</sup> wall. Only N jamb remains; S. jamb + half of blocking & rest of wall facing removed when 3<sup>rd</sup> type masonry replaced the 2<sup>nd</sup> type from R. 115 to S.W. corner of ruin, 10' S. of N. door jamb, the later 3<sup>rd</sup> type masonry overhangs the orig. 2<sup>nd</sup> type by 5".

NW Negs. 39558A, 39576A (OCH. 1926)

cd<sup>2</sup>

R. 115-v

Outside 2<sup>nd</sup> type stonework extends to its 29"-high foundation 3'9" below door sill; was replaced by 3<sup>rd</sup> type in line with sill & above. (Sill may have been approx. surface @ time of rebuilding). We cleared to a compacted surface c 18" below sill.

Fill: Below 2<sup>nd</sup> type founda., 29" h., compacted blown sand + occasional bits of charcoal & early sherds; above founda. level, blown sand with clay streaks & pellets & occasional s.s. spalls for e. 2 ft.; above that, blown sand & debris of demolition to present surface.

neg. 39558A

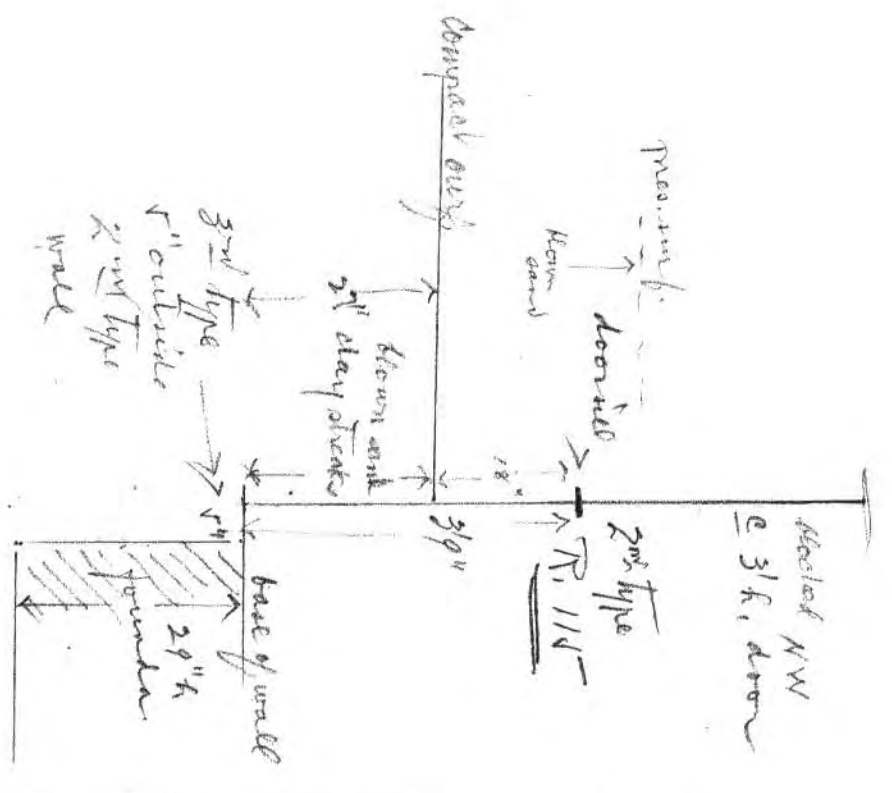
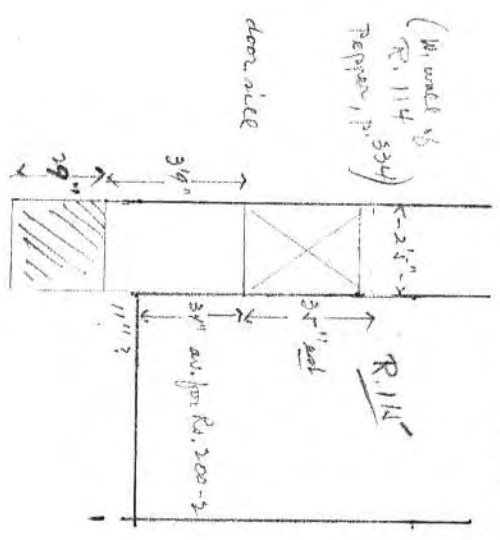
6'1" 10'2" 9'2"

R. 114

1:5'

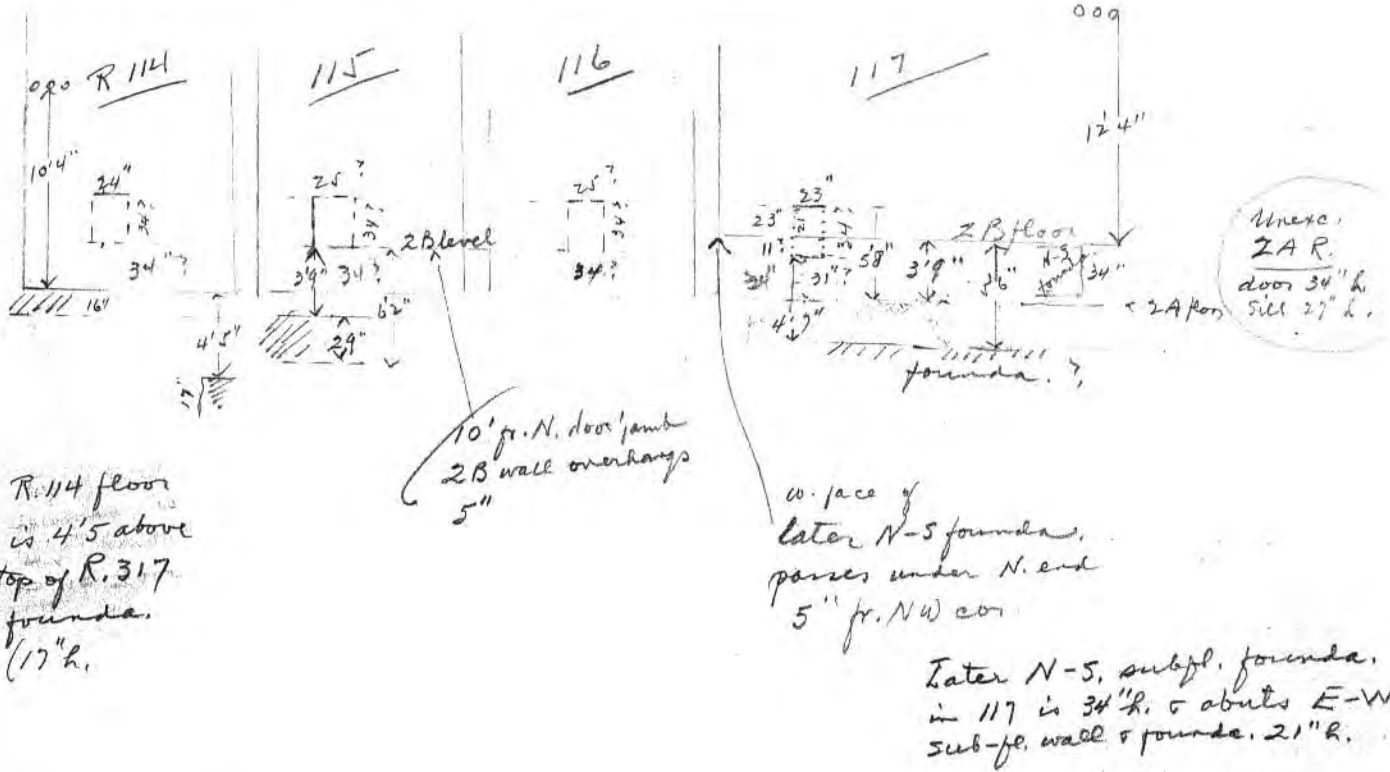
Reger, 1920, p. 334.

N door w/iron @ side; limited to side wall.  
S " " " " - little 2 1/2" dia.  
E wall, no door  
W door, sealed  
"Appearance of leaning been  
elaborate iron wall has made."



Blocky replaced with 3rd type  
 5 1/2 of NW door  
 10' S of N jamb 3rd type replacement  
 overhang orig. 2nd type by 5"  
 Reg. 39N187A (88N, 1926)

Outer 2-A rooms (W elevation)



Room 116

5/29/24

In outer tier, NW side; excavated but not described by Pepper. Filled with blown sand to door lintels, room was not reexcavated.

Masonry: Good 2<sup>nd</sup> type. Door in NE wall is 22" w. @ top & 26" w. @ sill x 3'7" h.; is 16" above floor & 23" fr. NE corner. Door in NW wall, carefully blocked with good 2<sup>nd</sup> type masonry, is 25" w. @ top & 8'6" fr. NW corner. Top of S. door, 24" w., is 26" fr. SE corner. No ventilators.

Outer NW. wall shows 3<sup>rd</sup> type addition continuing from middle NW. wall of R. 115, ~~clearly~~ replacing 2<sup>nd</sup> type outside masonry of R. 116 & completely concealing its blocked NW door.

Unpub. Hype Neg. 554 shows N & E walls; Rs. 115, 114 beyond

Room 117 <sup>3 cards of</sup>

Map 34483A (C.M., 1925) ;  
shows 3<sup>rd</sup> type pattern, E walls

8/31/26

Triangular room in outer tier, middle W. side. Previously excavated; not described by Pepper; unnumbered on Hyde plan but identified by Hyde prints # 550 & 552.

Measures: N. 13"; E, 32'3" (on curve); S., 10'3"; W., 32'8". Ceiling poles, S. wall, 12'4" above floor; above poles,  $\approx$  2' of 2<sup>nd</sup> story masonry still standing.

Masonry shows alteration. Convex E. wall is part of original exterior of 2<sup>nd</sup> type addition, continuing S. from R. 115-116; other 3 walls are of 3<sup>rd</sup> type masonry & straight. Floor, assoc. with 3<sup>rd</sup> type walls & overlies 3<sup>rd</sup> type subfloor foundations. In SE. corner 2<sup>nd</sup> type E wall rises 13'4" above floor & extends 5'6" below <sup>3'9" to founda.</sup> N & SW corners tied; 3<sup>rd</sup> type S. wall abuts 2<sup>nd</sup> type E wall @ floor level. In convex E wall 6'4" fr. NE. & SE corners respectively are 2 former external doors, each carefully blocked with 2<sup>nd</sup> type masonry as in 2<sup>nd</sup> type rooms to N. Each door

R. 117-2

outside 2<sup>nd</sup> type doors,  $\approx$  2' above floor  
R. 96 —  $\approx$  2' above floor  
R. 200 22" w. x 31" h. x 3'3" above floor.  
R. 202 28" w. x 37" h. x 2'6" "  
" 25" w. x 34" h. x 2'7" "

is 23" w. with 2" dia. lintel poles 21" above R. 117 floor. If these 2 are like those in 200 & 202 they should av. 25" w. x 34" h. x 31" <sup>(with R. 96)</sup> above their assoc. floors. Hence their sills should be 11" below R. 117 & their assoc. floors 45" below. But narrow test pit in SE cor. shows 2<sup>nd</sup> type masonry continuing 21" farther, to 5'6" below R. 117 floor. Hence if those 2 sills were 34" above their assoc. floors latter must be ~~21"~~ <sup>21" above</sup> above the 2<sup>nd</sup> type founda. @ depth of 5'6". This is <sup>10 inches</sup> considerably deeper than R. 115 founda., 3'9" below door sill.

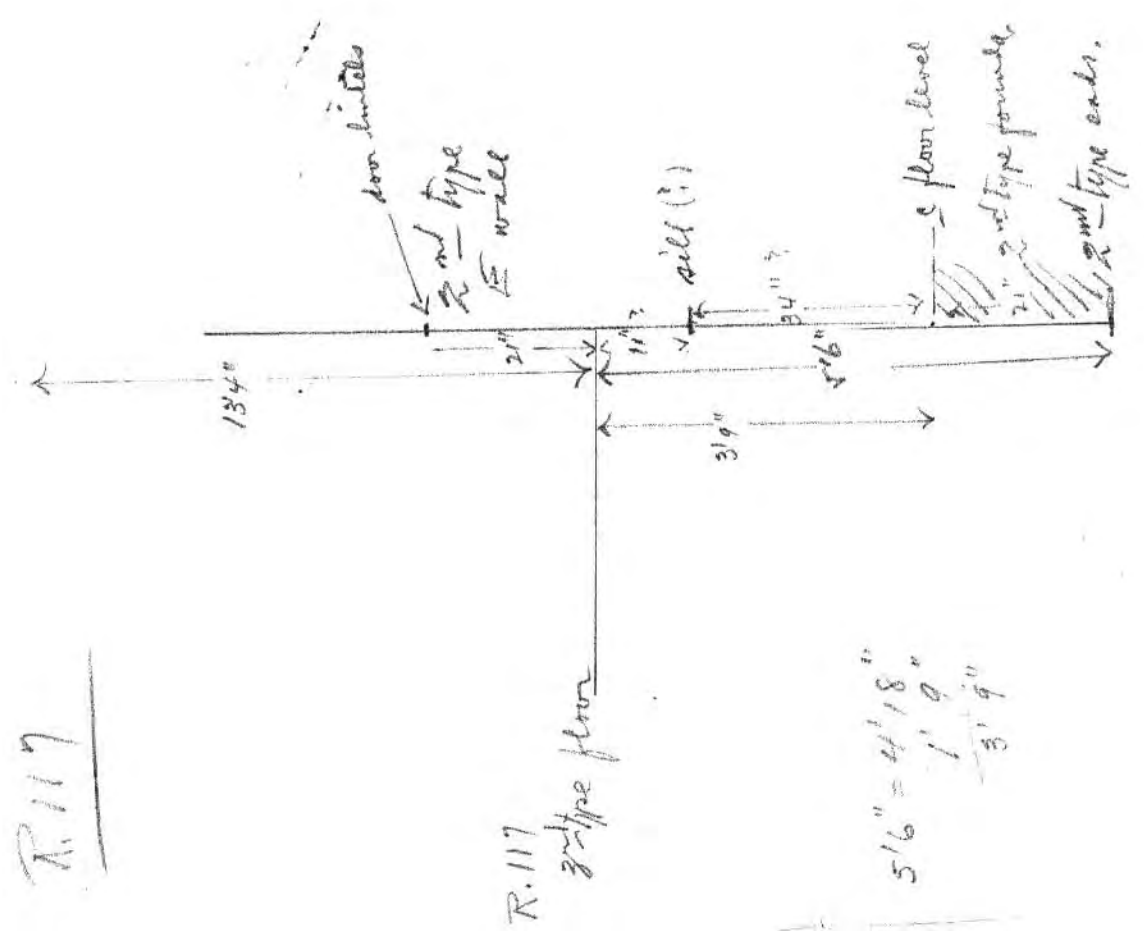
outside foundations

Subfloor: A 3<sup>rd</sup> type patch in 2<sup>nd</sup> type E wall 30-34" fr. SE corner marks position of an intended R. 117 S. wall of which a 10" h. remnant on a 24" w. x 11" h. founda. abuts convex E wall 28" fr. SE corner & extends W. to pass (S. face) directly beneath SW. cor. of R. 117 & begin outside founda. series of 6 planned rooms. This 10" h. remnant & founda. are abutted N & S. by present W.

R. 117 - 3  
 foundation, 14" h.  
 side of R. 117 & also, 2' 11" fr. W side, by an earlier N-S founda.  
 29" w. x 34" h. without identifying masonry. This earlier founda.  
 extends N. To pass under N. end of 117 @ 5" fr. its NW corner &  
 presumably, tie with 2<sup>nd</sup> type masonry @ outer SW cor. of R. 116.  
 A continuation to S. not only abuts both faces of subfloor E-W  
 wall & founda. but passes under S. wall 5' 3" fr. SE. cor. &  
 thence into R. 119 where it abuts & overlies foundations of the  
 abandoned outside series. This outside series thus appears  
 to have been abandoned 1<sup>st</sup>, followed by N-S. subfl. founda.  
 34" h. & present W. side of R. 117 came last.

Wood-framed door in middle S. wall probably replaces  
 orig. opening. R. 118 probably reached by the house;

Unpub. Hyde Negs. 550 & 552 show plastered exterior of 2<sup>nd</sup> type E wall;  
 blocked door & lintel.



Foundations on outer West side of Rs. 117-119

9/22/26

South subfloor wall in R. 117 <sup>24" w. x 10" h. in 11" h. foundation</sup> included 3<sup>rd</sup> type masonry & passed under the SW cor. of room; it was followed westward 44'10" from R. 117 to an outer (NW) corner 156'4" from outer SW cor. of R. 337 - the extreme SW cor. of Bonito. From this outer NW corner, a tying wall was traced southwardly 40'6" to an outer SW cor. 116' fr. SW cor. of R. 337 & 24'10" from outside W. wall of ruin between Rs. 119 & 120. These external walls inclose a block of 6 quadrangular structures whose foundations, av. 25" w. <sup>x 18" - 24" h.</sup>, are capped by wall masonry, av. 20" w. x 5" h., some of which is definitely 3<sup>rd</sup> type. The W. wall of Rs. 117-119 rests directly upon this outside series.

Debris of reconstruction lies about the outside series but not in such quantity as to evidence razed buildings. Two level surfaces overlie the outside foundations: the 1<sup>st</sup> is 10" above them, @ top of R. 117-9 W. wall foundation; the 2<sup>nd</sup> is 9" higher & is overlain by blown sand, mixt with ash, supporting fallen Bonito masonry.

Rooms 117 - 129.

Room 117	identified from unpublished Hyde print # 552 + 550
" 122	" " " " " " 561
" 123	" " " " " " 562
" 124	" " " " " " 556
" 125	" " " " " " 560
" 126	" " " " " " 557
" 127	" " " " " " 555
" 128	" " " " " " 559
" 129	" " " " " " 558

Rooms 117-125 all shown erroneously 1 room S. <sup>of real position,</sup> on Pepper plan.  
 " 125-129 all in 2<sup>nd</sup> not outer S. tier, as shown on " "  
 " 123-125 repaired & roofed by Wetherill.

Jack Martin, teamster for Hyde Exped., said R. Wetherill excavated to near floor level outside rooms 117-189 in anticipation of return of Hyde Exped.; hence lack of data in Pepper's published notes.

Room 118.

Floor to 2<sup>nd</sup> story floor offset is 13'.

Erroneously numbered R. 117 on Hyde's ground plan.  
Blocked doors near S. end of E & W walls.

N door, wood-framed by Wetherill (?)

E " , 3'3" from SE cor., 26" w. & blocked.

W " , 4'5" " SW " " 26" w & " "

Room 119

⊆ 4' of 119B @ S. end

8/3/26

Excavated by Hyde Exped.; not described by Pepper. Erroneously numbered 118 on Hyde ground plan. Identified by unpub. Pepper <sup>Hyde</sup> print # 561.

Measures: N, 8'3"; S, 8'3"; E, 16'5"; W, 17'1". Floor to ceiling level @ N, 12' <sup>12.5'</sup>. Second story N. wall now stands 6' above floor level.

Masonry: Of 3<sup>rd</sup> type. North wall abuts on W.; apparently abuts on E. At SE & SW, corners are apparently tied. Door, 25" w. x 3'4" h., in E wall 7' fr. NE cor. & 16" above floor. In middle W. wall, broken opening may mark position of former door, ~~no trace of which now remains~~. East wall masonry extends 10" below floor level; rests on foundation 12" h.

Only one floor evident; debris of reconstruction underlies this to depth of 3'.

Subfloor: (1) North wall stands upon rough foundation, S. face of which passes under E. wall 6" fr. NE cor. & under W. wall 26" fr. NW corner.

Abutting & overlying this one is (2) another rough foundation <sup>N-S</sup> 29" w. x 26" h., E face of which passes under N. wall masonry 20" fr. NE cor. & under S. wall 3" fr. SE corner. Abutting both the NW side of this foundation & the 1<sup>st</sup> noted, is a <sup>3<sup>rd</sup></sup> block of solid masonry 18" w. on N. x 4'5" l. on E. At S. end

of room <sup>N. face of</sup> (3) another foundation, 14" h. & supporting 10" of dressed, friable s.s. masonry, passes under W. wall 9" fr. SW. cor. & under the N-S (2<sup>nd</sup>) foundation, 16" fr. S. wall of room. South foundation rests upon this subfloor wall; R. 119 floor lies 3" above it.

Room 120.

6/25/26

In outer W. tier; excavated by Hyde Exped.; not described by Pepper.  
Erroneously numbered R. 119 on Hyde's groundplan in Pepper volume.

Measures: N., 8'3"; S., 8'6"; E., 17'3"; W., 17'1" ceiling height, 12' est.

2B. Masonry: 3<sup>rd</sup> type. Blocked door <sup>15" w.</sup> in middle <sup>E. wall 6' fr. NE cor.</sup> E. wall. Foundations: N. wall, 21" h.; E (S. end), 32"; S., 24"; W., 14" h. Simple floor rests directly upon subfloor walls.

Subfloor: West face of rude foundation, 14" w. x 16" h., abuts N. wall founda., 2'10" fr. NW cor.; ~~abuts with~~ <sup>passes under</sup> E. foundation 4' fr. SE corner. (2) West face of similar subfloor foundation passes under N. wall 6' fr. NW cor. & abuts NE side of 1<sup>st</sup> subfloor foundation 7' fr. N. wall & 16" fr. E. wall. These 2 subfloor foundations, without identifying masonry, are doubtless connected with 3<sup>rd</sup> type subfloor walls noted in R. 119.

Rather uniformly level <sup>slit</sup> surfaces extending beyond E. & W. walls are noted below room floor @ depths of 3'; 3'7"; 4'1"; 4'10". Above each surface is blown sand containing clay lenses & occasional potsherds & charcoal bits; lowest surface rests on finely stratified & apparently undisturbed sand.

R. 120B:  $\subseteq$  4' of 2<sup>nd</sup> story N. wall.

Room 126.

1<sup>st</sup> story N. wall stands 10'6" fr. floor to ceiling level.

2<sup>nd</sup> " " " " 4'6" " " level to broken top.

Erroneously shown on Hyde groundplan 1 room S. of real position.  
Identified by unpub. Pepper print # 557.

Doors in middle E, S, & W walls.

## Room 127.

1<sup>st</sup> story N. wall stands 10' from floor to broken top. Floor level is above that in R. 126.

Erroneously shown on Hyde groundplan 1 room S. of real position. Identified by unpublished Pepper print # 555.

## Room 128 (2 chs.)

7/2/26

In SW quarter, between R. 340 & Kiva T. Erroneously shown in outer S. tier on Hyde plan; identified as next room to ~~it~~ by unpub. Hyde print # 559. Not described by Pepper. (Originally identified in our notes as R. 350)

Measures: N., 14'5"; S., 14'9"; E., 9'10"; W., 11'7". Broken W. wall now stands 7'3".

Masonry of all walls is 3<sup>rd</sup> type; most perfect on W. North wall abuts on E. & W.; S. wall abuts on W, ties with E. There may have been a former door in now missing S. 1/2 of E. wall. In E. wall, 15" fr. NE cor., is S. jamb of neatly blocked door, partly concealed by abutting N. wall. In W. wall, flush with SW cor., a finished vertical break, approx. 2'9" h., suggests N. jamb of former door.

Previous excavators stopped @ upper floor, covered by 3" blown sand. (On this layer we found tin cans, glass, cedar chips) Earlier, original floor lay 10" lower; was separated from upper by blown sand mixed with debris of occupation. Lower floor sagged several inches in middle of room owing to settling of earth beneath.

Subfloor: Inner face of subfloor (see notes in R. 340-341) passes under N. wall 10'11" fr. NE cor.; curves to W. & S., & passes under S. wall 10'9" fr. SE corner. Kiva wall, 24" thick, is built wholly of dressed s.s. - both friable & laminate - well laid with very little chinking; doubtless to be classed as 3<sup>rd</sup> type.

R. 128-v

Its plastered inner face rises 9' from broken surface of kiva bench, 10' below R. 128 floor. Bench had been 24" w. x 29" h. but its facing stones had been removed to within 4" of kiva floor. In kiva wall, 9' above bench & 12" below R. 128 floor, a 13" w. offset marks former ceiling level; the 11" w. masonry rim inclosing this offset had been mostly razed. Resting on kiva floor & bench, & abutting plastered kiva wall, masonry composed largely of salvaged, dressed s.s. blocks forms foundation for E. half of R. 128 S. wall & a 12" offset for the latter @ its original floor level. West half of S. wall rests on subfloor kiva wall & a solid masonry fill that abuts both the outer kiva curve & W. wall of R. 128.

Resting on masonry fill between kiva curve & W. wall, 12" below R. 128 floor level, 4 cooking pots, <sup>(NGS Neg. 38982A)</sup> were found in position for storage purposes. The largest of these, with bottom broken out, had been fitted with adobe base, <sup>on a stone slab.</sup> One of the 4 contained a quantity of grass seed, mixed with blown sand.

Subfloor kiva filled chiefly with debris of reconstruction but in the middle, 7' above kiva floor, there was a 2 ft. layer of blown sand containing clay pellets.

Room 129

On Hyde groundplan, erroneously placed in outer S. tier. Correct location, in 2<sup>nd</sup> tier, between R. 341 & Kiva T., confirmed by unpublished Pepper print # 558.

Rooms 131-132

7/19/26

At S. end of West Court; previously excavated; not described by Pepper.

Room 131 measures: N, 10'2"; S, 10'2"; E, 8'; W, 8'.

Room 132 measures: N, 7'9"; S, 7'6"; E, 8'; W, 8'

The two rooms, originally one, - are separated by a rude partition, 6" w., that abuts the N. wall 7'9" fr. NE. cor. of R. 132 & abuts the S. wall 7'6" fr. SE cor. of R. 132.

Masonry is 3<sup>rd</sup> type; walls have largely fallen.

R. 131 doors: N wall, 5' fr. NW cor., 18" w. blocked to form recess full width 9" d.

Room 133.

7/19/26

At S. end of W. Court; previously excavated; not described by Pepper.

Measures: N, 14'11"; S, 15'6"; E, 8'; W, 8'.

Masonry is 3<sup>rd</sup> type. Walls have mostly fallen.

Doors: N wall c 24" fr. NE cor., c 30" w; blocked

## Rooms 134-135

7/19/26

At S. end of West Court; previously excavated; not described by Pepper.

Room 134 measures: N, 7'5"; S, 6'10"; E, 8'; W, 7'11".

Room 135 measures: N, 6'10"; S, 7'5"; E, 8'; W, 8'.

The two rooms, originally one, are separated by a masonry <sup>partition</sup> 9" w. @ N. & 8" w. @ S., which abuts both N. & S. walls.

Masonry is 3<sup>rd</sup> type; the walls have mostly fallen.

R. 134 door: N wall  $\approx$  15" fr. NE cor.,  $\approx$  30" w.; blocked.

## Room 136

7/19/26

At S. end of West Court; previously excavated; not described by Pepper. Ceiling height, 9'  $\approx$ . West trench does not cut thru.

Floor level lies 1" above base of N. wall masonry; latter now stands 47" h. North foundation, 10" h., is inset 1". South wall rises 27" above floor; its foundation, 17" h. & inset 2", lies 5" below floor level. Floor level  $\approx$  4' below N. Ch. level &  $\approx$  2'  $\frac{1}{2}$ ' above plain.

Doors: N wall  $\approx$  5'  $\frac{1}{2}$ ' fr. NE cor.,  $\approx$  30" w.; blocked.

Room 137

7/19/26

At E. end of room series including S. end of West Court. Previously excavated; not described by Pepper. Unpublished Pepper prints #594, 595, 655 identify the R. 138 of Hyde's groundplan as Pepper's R. 137.

Measures: N., 15'; S., 15'; E., 8'11"; W., 8'. North wall, 23" th., now stands 33" h.

Masonry is 3<sup>rd</sup> type. Inner SE cor. tiled. In N. wall, door 25" w. is 19" above floor & 10'2" fr. NE corner. Beneath this door is a masonry platform 9" h. x 41" E-W. Its sides lie 5" & 11", respectively, <sup>step</sup> outside the W. & E. door jambs; they extend straight from N. wall 27" then curve into <sup>convex</sup> semicircles whose arc lies 42" fr. N. wall.

Firebox, masonry lined & 28" E-W x 21" x 8" d., lies 18" fr. N. wall & 6'1" from E. wall; it is floored with adobe; was filled with blown sand & charcoal.

Rooms 138-139

7/19/26

Unpublished Pepper prints #594, 595 & 655 identify Rooms 138 & 139 as the open spaces S. & N., respectively, of the single wall that bars the former passage between Rs. 137 & 140.

From the same prints, R. 137 is identified as that shown on Hyde's groundplan as R. 138.

## Room 140

7/10/24

In outer S. tier, central section; previously excavated. Not described by Pepper.

Measures: N., 12'5"; S., 11'11"; E., 8'9"; W., 8'5". Broken W. wall stands 7' h.

Masonry is 3<sup>rd</sup> type. East wall abuts on N.; S. wall mostly fallen, West wall is <sup>thick</sup> In N. wall, 8" fr. NW cor., dressed friable s.s. blocks mark former <sup>or</sup> corner (in line with partly razed subfloor wall in R. 143-4). From this old corner, several small stones <sup>had been</sup> removed to permit tying with later masonry abutting on W. Northwest corner is tied; below, N. & W. foundations, both 14" h., stand on same level. Two feet below floor, a single stone protrudes 2", in line with old corner.

Against outer S. wall, 11' fr. SW cor., is a masonry buttress, 22" w. & now 39" l. (N-S), with its foundation on same level as S. wall foundation <sup>of R. 140</sup>. A 2<sup>nd</sup>, possible buttress 13'8" fr. SW. cor., is evidenced by partly razed masonry, 16" w. & now 15" l. (N-S).

## Room 141

8/26/24

In S. tier, central section, SW of Kira B.; previously excavated. Not described by Pepper. ceiling: 8' est.

Measures: N., 13'5"; S., 13'8"; E., 8'8"; W., 8'9". Broken N. wall stands 5'6"

Masonry of W. wall is 3<sup>rd</sup> type, abutting N. wall. Latter composed of nondescript masonry owing to much patching; in it, 4'9" fr. NW cor., is rounded end, abutted by remainder of N. wall masonry. North wall masonry continues 16" below floor level & rests on 7" h. foundation, offset 6". South wall masonry extends 17" below floor & rests on a 15" h. foundation, inset 1'2". Floor level is above the present surface @ outer S. side. A possible recess, approx. 18" w. x 16" h. x 13" d., is evident in N. wall, 15" fr. NW corner.

## Room 142

8/6/24

In S. tier, central section, SE of Kiva B; previously excavated. Not described by Pepper.

Originally one room, 18'2" E-W. x 8'6" N-S, <sup>with floor above that in R. 141.</sup> was divided into 2 compartments by a 9" w. masonry partition built in on floor level to about N & S. walls. At N. end of partition, on W side, a s.s. slab was imbedded on end. East compartment measures: N & S, 12'3"; E & W, 8'6". West compartment: N & S, 5'11"; E & W, 8'6".

Masonry, of orig. room, is 3<sup>rd</sup> type with dressed, laminate s.s. predominating. East wall of tanded 4<sup>th</sup> type, abutting on N. & seemingly later; reconstruction in same type evidenced in fragmentary S. wall. East wall, <sup>now stands 2'10" h. & v.</sup> 23" w., ends with square face 15" beyond outer S. wall. At base of E. wall, about 3' below floor level, is a slab floor. At S. end of extended E wall, a large flat s.s. block was supported by masonry walls measuring, inside, approx. 40" N-S. x 50". The W. side of this inclosure tied with the outer S. wall of R. 142; was later built up flush with S. end of E wall. In 1923 the S. & E. sides of this inclosure were repaired. See 153-2 for outside details.

## Room 143 (x chs)

6/6/25

In central section, @ SE cor. of West Court. Previously excavated; not described by Pepper.

Measures: N, 5'10"; S, 6'; E, 17'4"; W, 16'10". At SE, highest standing wall rises 3'8" above floor; latter is approx. 22" above last level in West Court.

Masonry: Is 3<sup>rd</sup> type with dressed laminate s.s. predominating. North wall abuts on E & W; E. wall abuts on N. & S; SW corner, tied. West 27" of S. wall, tied with W, stands 4" N. of & abuts remainder of S. wall. East wall is 20" thick; in it, 7'8" fr. NE cor. & 17" above floor, is door 25" w., blocked from R. 222. West wall had fallen outward; its outer face was repaired in 1924. Fireplace, 17" E-W x 13" x 4" d., is slab lined & lies 10" fr. W wall & 7'1" fr. N. wall.

Subfloor: West wall foundation, 21" h., rests on floor 4'6" below that of room; @ base of W. masonry, 33" below room floor, is a second earlier floor level supporting the 13" h. foundation of N. wall. North wall foundation abuts & overlies a rude foundation, 19" w. x 23" h., which rests on the lowermost (4'6") floor & passes under N. wall 21" fr. NW corner. At S. end of room, this rude foundation ties with S. wall, 27" fr. SW. corner. Plaster on E. 26" of S. wall extends 19" below floor

R. 143 - 2

level to present top of partly razed N-5 subfloor wall. Room 143 floor rests on debris of reconstruction @ either side subfloor wall; this latter obviously formed earlier E. side of West Court & contains more friable s.s. than the wall which replaced it.

Second subfloor wall, 17" w., abuts E. face of the first 39" fr. N. end of room & passes under its E. wall 37" fr. NE corner.

Both subfl. foundations are to be classed as 3<sup>rd</sup> type. Sherds examined by Roberts are from subfloor trenches.

Room 144 (3 cts)

upper left.  
Neg. 32373A, Oct. 1925 6/16/25

In central section, near SE corner of West Court. Previously excavated. Not described by Pepper.

Measures: N, 5'9"; S, 5'9"; E, 17'3"; W, 17'1". At NE cor., highest wall now standing rises 4'2" above floor.

Masonry includes dressed friable s.s. & both dressed & unworked laminate blocks in wider bands. To be classed as 3<sup>rd</sup> type, tho somewhat resembling <sup>2<sup>nd</sup></sup> sided <sup>1/4</sup> type. South wall abuts on E & W; N. wall abuts on W, ties with E. West wall had settled outward; its outer face was repaired in <sup>Neg. 32373A</sup> 1924. In E wall 6'9" fr. NE cor. & 20" above floor is door, 26" w., fitted with plastered, secondary jamb reducing its actual width to 18"; these <sup>inner</sup> jambs sloped to support a stone door slab, inclined from R. 219. Floor level is approximately 24" above the last level in West Court; 14" below that of R. 219.

Subfloor tests revealed 2 earlier floor levels 33" & 54", respectively, below that of R. 144. The upper overlies the 13" R. foundations, & supports the masonry, of a partly razed wall incorporated in E. foundation of R. 144; also, it supports the W. wall of the room & immediately overlies a pair of partly razed walls composed of mixt masonry best classed as

R. 144-2

Reg. 32373A

3<sup>rd</sup> type which continues across West Court.

These 2 walls, each 16" w. x 21" h., lie 25" apart; between & on either side they are joined by a floor level 4'6" below <sup>later</sup> that of R. 144. The southern of the 2 passes under W. wall 4'1" fr. SW cor. & under E wall, 4'4" fr. SE corner. At least on S. side of this pair, the debris accumulation agrees with that under nearby West Court, namely, 11" of ashy sand on the lower floor with 10" of fairly clean blown sand above. Resting directly upon this sandy fill & the parallel E-W walls, is the 1<sup>st</sup> floor noted, that 33" below floor of R. 144.

Standing on this upper level <sup>at 33"</sup> is a partly razed N-S subfloor wall, 18" w. & averaging 19" h.; its <sup>21" h.</sup> foundation abuts the lower E-W pair; on either side & between them, & rests on their associated floor <sup>at 4'6"</sup>. The W. face of this N-S wall passes under S. end of room 24" fr. SW. cor.; extends thence northwardly 8'10" to a finished corner 24" fr. W. wall; thence eastwardly as a partly razed wall, 17" w. x 8" h., passing under E. wall 8' fr. NE corner. The 6" h. foundations of this eastward extension stands on the floor 33" below that of R. 144 & ties with a wall whose 13" h. foundation rests 8" above the lower level & whose

R. 144-3

partly razed masonry is incorporated in the E wall foundation.

With its 20" h. foundation resting on the lowermost floor <sup>at 4'6"</sup> & abutting the N. wall of the E-W pair, a continuation of the N-S subfloor wall abuts the finished corner 8'10" fr. S. end of room & passes under N. wall 24" fr. NW corner. Here the N-S wall had been razed to within 2 courses of its foundation & the 33" level; but rounding up to its E. side & to the N. face of the related E-W wall is a 3<sup>rd</sup> floor, 27" below that of R. 144. Shards from subfloor tests.

In the SE corner, the E. wall rests upon 14" of razed wall debris overlying the partially razed wall elsewhere incorporated in its foundation.

Room 146 (2 cts)

9/16/26 6/26/21

South of R. 35A; NW of Kiva A. Previously excavated. Not described by Pepper.

Measures: On W, 15'7" fr. NW cor. to inception of flattened concavity which, @ 21'8" fr. NW cor., attains maximum E-W depth of 17" & is abutted by block of solid masonry that also abuts Kiva A. East wall, without foundation, is 13'6" long; its masonry extends 8" below floor level & abuts Kiva A. Convex curve of Kiva A, 36" th. with protruding stones as in other kivas, ~~nothing above floor level.~~ ~~doubleless rise to form S. wall of room.~~ North wall is irregular; from NW cor., 5'8" E. to square-ended extension, (20" w. x 18" l.) of E. wall of R. 35A; thence N. 4'8"; thence E. 4'3" to NE corner. Broken W. wall now stands 4' high; its masonry extends below floor level; floor is above West Coast level.

Masonry is 3<sup>rd</sup> type modified by use of laminate s.s. & limitation of lesser blocks to single courses between the larger ones. Blocked N door, 26" w., formerly opened into R. 35A @ floor level 19 1/2" fr. NW cor. In NE alcove, 7" <sup>17" fr. NE corner</sup> ~~fr. its NW corner~~, a<sup>2</sup> blocked N. door 27" w.; concealed by abutting E. wall, is another blocked N. door, 4'8" fr. NW corner of alcove. North wall here is 16" thick.

R. 146-2

9/16/26

Subfloor: "Trench" noted under Rs. 27, 34, & 35a continues into 146, here 22" w. x 37" d. Its W. side, 19" w. & 20" fr. NW cor. extends S. 12'2" & was razed 2'8" fr. W side of room. Its E side turns E 2' fr. N side to meet jutting end of R. 35a E wall. "Trench" partly occupied & its W side overlain by 16" w. wall, reduced to 8" h. & also razed 12'2" fr. N wall of 146, the appar. W side of former room whose floor @ depth of 2' rounds up to plastered S. face of partly razed 3<sup>rd</sup> type wall, 15" th., that passes under E side of 146 @ 7' fr. its NE cor. Floor assoc. with this plastered N wall was broken thru 7 1/2' S. of it perhaps upon construction of Kiva A.

Room 147. (5th)

7/31/26

In area marked 147 on Hyde Exped. groundplan we find no surface structure but several sub-ct. walls. The Kiva 2-B. vent. shaft,  $14\frac{1}{2}$ " dia. in a block of masonry  $32$ " sq., rises (inside)  $11$ " fr. R. 148 &  $12$ ' fr. R. 35-a. Plaster on W side this block rounds off to Ct. level broken thru  $\approx 3\frac{1}{2}$  ft. to W & N (by Hyde Exped.?). Base of R. 146 N wall masonry is  $9$ " above that of R. 35-a against which it abuts.

3rd type (?)  
in plan  
# ||  
A rude foundation (no identifying masonry),  $15$ " w. x  $12$ " h., built upon 2 <sup>horizontal</sup> longitudinal logs with its top  $2$ "  $\pm$  below Ct. surface, abuts R. 148  $26$ ' fr. outside cor. of Rs. 146 & 35-a & extends N  $12$ ' to abut outer curve of Kiva 2-B ( $25\frac{1}{8}$ " fr. outside NE cor.) of R. 35-a. Wall on horizontal logs suggests room below.

Room 147-2

3rd type  
not in plan  
Partly underlying N wall of R. 148 is a founda. apparently remaining fr. an earlier 3<sup>rd</sup> type wall. It is  $16$ " w. but only  $6$ " h. & its N face which passes under R. 148 @  $26\frac{1}{8}$ " fr. R. 35-a was razed  $\approx 10$ ' W of that point presumably upon construction of Kiva 2-B vent. shaft. An apparent continuation of this N face passes  $5$ " under E wall of R. 35-a  $27$ " fr. R. 146. Here the  $16$ " w. x  $6$ " h. founda. is finished on its S. side & has a connecting floor  $3$ " below its top. A step,  $13$ " w. x  $8$ " d. x  $5$ " h. abuts this S. face  $25$ " fr. R. 35-a.

in plan  
3rd type  
This former wall or founda. under R. 148 N wall, rests upon & overhangs by  $\approx 2$ " the N face of an E-W 3<sup>rd</sup> type wall,  $16$ " w. x  $10$ " h., on a  $10$ "-h. foundation whose top is  $20$ " below Ct. surface. The plastered N face of this 3<sup>rd</sup> type wall passes under the

## Room 147-3

R. 148 N wall 25'10" fr. R. 35-a & was razed 9'4" W of that point 5'19" N. of R. 148 likewise upon construct. of Kiva 2-B vent. shaft (presumably) but an apparent continuation of it passes under R. 35-a 3'7" fr. R. 146.

Between R. 148 & Kiva 2-B, on a foundation 4'4" below Ct. surface, is the fgt. of a slightly concave wall, 9" th. & razed to within 8" of its founda. This fgt. is 6'8" long & razed @ both ends, the E end 16" fr. R. 148 & 24'8" fr. the cor. @ Rs. 146 & 35-a; the W end 31" & 18'8" fr. same 2 points. Midway its length the fgt. stands 29" fr. R. 148.

Abutting N face of this curved fgt. 20' fr. cor. @ Rs. 146 & 35-a & 40" fr. R. 148, but on a floor 6" higher, is another 3<sup>rd</sup> type wall fgt. 12" w. & razed beyond a length of 2'10" & to within 12" of its assoc. floor.

## Room 147-4

76sq. 389974

This latter was broken out but rounded up to the plastered W face of the wall fgt.

Altho the Hyde's undescribed R. 147 may have been suggested by some of these sub-Ct walls the only room we uncovered here is a small, irregular structure whose S. side is the plastered N face of the partly razed 3<sup>rd</sup> type wall (16" w. x 10" h.) passing under E wall of R. 35-a, 3'7" fr. R. 146 on a founda. 20" below Ct. surface. The E end of this small room, 4'4" fr. R. 35-a, is 2'9" N-S; the N side is the partly straightened outer curve of Kiva 2-B & bends to NW to pass under the open passage betw. Rs. 34 & 35-a 7'8" fr. cor. @ R. 146. W side not exposed but N-S. width under R. 35-a E wall is  $\approx$  50"; 14" to E, 40".

The 3 walls are rough & plastered & probably to be classed as 3<sup>rd</sup> type masonry since they abut 3<sup>rd</sup> type Kiva 2-B &

Room 147-5

neg. 38997A

the earlier 3<sup>rd</sup> type wall underlying N side of R. 148. N wall stands 27" h., to within 6" of ct. level.

On floor in NE corner is fireplace, 12" E-W x 10", enclosed by rounded adobe rim 4" w. x 3" h.

Room 148

(4 cards)

6/25/21

"Altar room" @ N. middle & above Kiva A; excavated by Hyde Exped. Connects with Kiva A. by descending steps. (see Kiva A cards)

Measures: N. 21'; S. 20'11"; E., 11'6"; W., 11'5". Highest wall, @ middle E. side, stands only 3'6". Former S. wall marked by slight inward jogs @ ends of E. & W. walls. East jog is formed by wedge-shaped masonry block, 6" w. @ N., 35" l. & 15" w. @ S. against Kiva A.; it abuts E. wall & rests upon its floor offset. South wall razed & floored over; R. 148 floor passes E. & W. wall jogs & extends over outer curve of broken Kiva A masonry. R. 148 may, therefore, have opened directly into Kiva A; present condition of walls leaves this uncertain.

Masonry appears to be of 3<sup>rd</sup> type tho dressed s.s. blocks & small chips suggest reuse of 2<sup>nd</sup> type masonry. Walls too low to judge.

Door, 24" w. & now blocked with large stones, formerly opened @ floor level thru E. wall 5'4" fr. NE corner. Blocked N. door, 25" w. & @ floor level, evident 4'3" fr. NE corner. Also in N. wall, 15" fr. NE cor. & 4' fr. NW cor., single finished ends, like door jambs, show on both sides of wall. Latter is less than 1 ft. high.

R. 148-2

Altar: Remains of masonry "altar", 4'5" l. x 11 1/2" w. & now only 13" h., stands in middle of room with its W. end 7 1/4" fr. W. wall & 4' fr. N. wall. Its E. end is 4'7" fr. N. wall. Altar corners are square; faces were doubtless plastered. Has suffered from exposure since Hyde Exped.

Subfloor: In SE. cor., remains of S. wall extend 14" below floor offset of E. wall (which is floor level of room), about E. wall foundation & unite with outer Kiva A. curve @ steps. Floor of room covers this S. wall ft.; test hole shows no lower floors. (may not have gone low enough.)

In SW. cor., test hole shows W. wall, standing @ floor level of room, had tied with S. wall; latter was mostly razed 3" below room floor & surfaced over. Neither S. nor W. wall had masonry foundation but S. wall rested on 2 beams (5" x 6" dia.) — nearest parallels W. wall @ dist. of 10" — extending <sup>14"</sup> to subfloor E-W wall. Latter, 15" th., passes under W. wall of room 6'1" from its NW. cor. & is plastered on both sides. Plaster on S. face rounds to a floor 25" below that of R. 148; this lower floor

R. 148-3

extends S. 33" where it was broken thru, apparently @ construction of Kiva A. Space between lower floor & that of room filled with ashy earth. Deeper digging shows plastered masonry bin, 37" x 41", with floor 4'6" below that of R. 148; SE 1/4 of bin had been broken out @ same time as floor above. Bin half filled with debris of occupation; in this were: 1 <sup>SVH</sup> flat metate; 1 stone jar cover, misc. sherds including early types, deer & bird bones, decayed fpts. of 2-rod & bundle coiled basket.

NW Corner On N. side of subfloor E-W. wall (it has a 10" h. masonry foundation) & joining it 25" fr. W. wall of R. 148, is a N-S wall which passes under N. wall of R. 148 @ pt. 34" fr. its NW corner. Plaster on W. side of this N-S. wall connects with that on E-W subfloor wall & rounds to a floor 20" below that of R. 148 while plaster on E. side rounds to a floor 12" lower. This lower (32") floor is that of a chamber whose W., N., & E. walls are 10" th.; whose <sup>inner</sup> N.W. cor. is 10" fr. N. wall of R. 148; whose N. side is 42" l.; whose NE. cor. is 18" fr. N. wall of R. 148; whose E. wall

R. 148-4

united with plastered N. face of 15"th. E-W subfloor wall. Filling this lower chamber were the remains of its partially razed walls.

It is obvious the small structures underlying R. 148 were abandoned & partially demolished upon construction of Kiva A; it is possible, but not certain, that the S. wall of R. 148 was razed & floored over thus permitting those in the "altar" room to look down upon the activities in Kiva A.

The parallel, subfloor wall noted in R. 149 <sup>does</sup> not appear in R. 148.

Room 149 (3 cards)

6/25/21

At NE. cor. of Kiva A; excavated & numbered by Hyde Exped.

Measures: N, 10'4"; E, 21'5"; W, 15'11" to Kiva A. curve; S. wall is 3'9" face of solid masonry block, built in to abut Kiva A. curve. Highest portion of existing W. wall stands 4'2"; of E., 3'.

Masonry is mixed 3<sup>rd</sup> & 4<sup>th</sup> types, apparently built in part with material from razed 3<sup>rd</sup> type walls. Dressed blocks of friable s.s. show in N. wall, fallen to within 20" of floor; standing portion of E. wall built of laminate s.s. except for 2 rows of dressed, friable s.s. blocks between blocked doors. Chinking with small chips is limited. Plaster adhering to lower S. wall shows room was plastered.

Present E. wall is later addition for E. 2' of N. wall abuts former corner from which razed masonry, 19" w. & built of laminate s.s., extends S. 5'2" to a finished end, probably a former door jamb. Masonry of this razed wall extends 3" below floor & rests on foundation of unshaped stone in abundant adobe; beneath floor level, razed wall parallels present E. side @ dist. of 2' to a point 16' fr. N. end of room where it was broken out, perhaps upon construction of Kiva A.

R. 149-2

Doors: Blocked door, 25" w. @ sill & 22" w. 36" above sill, shows in W. wall 14" above floor & 5'6" fr. N.W. corner. In E. wall, 2 blocked doors: 1<sup>st</sup>, @ floor level, is 28" w. & 6' fr. NE. cor.; 2<sup>nd</sup>, 10" above floor & 25" w., is 13'7" fr. NE. corner. On outer E. wall, 9'2" <sup>S</sup> fr. This latter blocked door, are traces of another, also blocked. <sup>Sub-ct. wall goes under E 24' fr. outer N.E. cor.</sup> It had been 3'10" w. & extended thru wall @ a NE-SW angle apparently onto roof of Kiva A.

Subfloor: Razed <sup>N.S.</sup> wall <sup>2' N. E. side</sup> in middle of room rested on 2 subfloor walls which continue from E. Court, passing under E. wall of R. 149 @ 10'7" & 14'3", respectively, fr. NE. corner. The 1<sup>st</sup> is 16" wide; the latter, 17" w. They average 26" apart & are joined by an uneven but tamped adobe pavement 37" below floor of R. 149. Both walls, mostly razed, are of apparent 3<sup>rd</sup> type masonry (except that the customary small chips are replaced by larger pieces of laminate s.s. between dressed blocks of friable sandstone) First subfloor wall passes under W. wall of room 9'5" fr. NW. corner. Second subfloor wall is razed about 6'6" fr. W. side of room but is replaced by another, similar subfloor wall, 8" h., which abuts W. face of foundation to

R. 149-3

original E. wall, @ point 8" S. of 1<sup>st</sup> subfloor E-W wall & passes under W. side of room 11'8" from its NW corner. Top of this substitute E-W wall lies 3" below floor level of R. 149; its base is 11" below floor. Neither of these 2 subfloor E-W walls appears in R. 148. <sup>12'7" fr. N. wall of 148</sup>

In SE corner, a coarse masonry buttress 17" w. x 32" h., stands upon an unsurfaced pavement 46" beneath floor of R. 149 & abuts outer curve of Kiva A 6" fr. W end of built-in S. wall; face of buttress slopes down & out to a point 9" fr. E wall of room & 43" fr. SE corner.

9/18/26 — Under W. wall, 20" below floor level, are 3 (possibly more) 5" logs embedded in outer Kiva A curve & extending N-S. They may have served as supports for W. wall altho they lie 17" below base of latter. Outer curve of Kiva A built both of laminate & friable s.s., dressed & unworked. No protruding blocks here as on other kivas. Stonework is evenly laid but shows no chinking except in upper 3' which is typical 3<sup>rd</sup> type masonry (friable s.s. bands in laminate blocks) Fill @ this point to depth of 6' is debris of reconstruction mixt with blown sand & spalls.

Room 150

3 cards

8/14/25

5/24/21

At SE. corner of Kiva A., excavated & numbered by Hyde Exped.

Measures: E., 23'; S., 9'10"; W., 15'1" to Kiva A. curve; N. wall is that of kiva. Walls partly fallen; highest, on E., stands 4'3".

At N. cor., built-in block of masonry 2'5" l. extends 12" below floor & abuts both E. wall & kiva curve @ NW-SE angle. Beyond <sup>N. 25</sup> this point, kiva & E. wall masonry merge but about 1 ft. above R. 150 floor level, the approximate roof level of Kiva A., W. side of E. wall shows section of concave facing for 8'4" @ N. end of which E. wall is only 12" thick.

This feature suggests encircling wall rising above roof of Kiva A. At N. corner of R. 150, kiva wall is 39" thick; @ N. end of W. wall, 36" thick. No trace of plaster remains. West wall abuts Kiva A.

Doors: In E. wall, 2 doors, both blocked, once opened into East Court. One, 27" w. & 16" above floor, is 4'4" from S.E. corner; 2<sup>nd</sup>, 28" w. & 19" above floor, is 14'4" fr. SE. corner. Upper half of each was lost with fallen masonry. Door, 29" w., opened @ floor level thru W. wall 5'10" from S.W. corner. Only 2 or 3 courses remained of its N. jamb.

R. 150 - v

Subfloor tests show E., S., & W. walls standing on 2<sup>nd</sup> floor level 17" below that of last used in R. 150. East wall has no foundation; S. wall has 4" h. foundation standing on 3<sup>rd</sup> level. Earlier occupation levels noted @ following depths below R. 150 floor: (2) 17"; (3) 21"; (4) 21"2"; (5) 25"; (6) 32"; (7) 36"; (8) 49". Cut into 5<sup>th</sup> level (25") @ S. end of room is unlined & unrimmed but ash-filled fireplace 66" dia. x 10" deep. South wall foundation overhangs by 6" the S. arc of this basin.

Tests reveal no less than 5 sections of subfloor foundations:

- x No. 1, a NE-SW wall, 16" w. & plastered on both faces, rests on 2<sup>nd</sup> (17") level without foundation & was mostly razed before R. 150 floor was laid; its E. face passes under S. wall 9'2" fr. SE cor. & abuts
- upper portion of a SE-NW (No. 2) wall 6" fr. E. side of R. 150 & 10'6" fr. its SE corner. This latter (No. 2) wall, without foundation, stands on 5<sup>th</sup> floor level (25" below that of R. 150), ~~passes~~ <sup>comes</sup> under E. wall of room 9'8" fr. SE. cor. & extends NW to point where it was razed, 53" fr. E. side of room & 13'6" from SE corner.

R. 150-3

No. 3 subfloor wall: A slightly convex, rough masonry foundation, 15" w. & resting on the 6<sup>th</sup> (32") floor level, extends from broken NW end of No. 2 wall & passes under W. side of room 7' from its SW. corner. Subfloor wall No. 4, 15" w., appears from under S. side of room 31" fr. SE. corner & abuts the S. middle of a 5' long ft. of E-W masonry<sup>(No. 5)</sup> that parallels S. wall of room @ dist. of 34" & may once have continued into East Court. Floor #6, @ depth of 32" rounds up to these 2 wall fpts. (#4 & #5) #5 on 32" level is in line with E. Ch. wall of 2<sup>nd</sup> type on 6'4" level.

Room 151

1<sup>st</sup> level

7/24/21

South of R. 150; E. of R. 221 @ NE corner of Kiva B. Excavated & numbered by Hyde Exped.

Measures: N., 10'10"; E., 6'1"; S., 11'6"; W., 7'5". Highest wall, @ W., stands 5'. Plaster still shows @ base of all walls; base of walls just below floor. No foundations.

Door, 10" above floor, thru S. wall 2'6" fr. SE. corner. 18" w.

Recess in S. wall 3' above floor & 16" fr. SW cor., is 17" w. x 8 1/2" h. x 9" deep; a slab forms its lintel.

Bench in SW cor., is 12" w. x 14" h. & 16" l. against W. wall. Bench plastered on N. & E. faces; built against plastered W. & S. walls.

Bin, slab-lined, 12" w. x 16" l., stands against E. wall 35" fr. NE corner; its floor slab lies 9" below floor of room.

Subfloor wall of rude masonry, often replastered, smoked on E. face, appears fr. under S. wall 35" fr. SE corner; curves gently to point 22" fr. E. wall & 2'8" fr. S. wall & then abruptly to pass under E. wall 3'7" fr. SE. corner. Floor of lower room not <sup>reached.</sup> clear. Wall averages 13" thick; plastered on W. side also.

Of no definite type; 6'10" (?) depth outside R. NW E. wall.

Room 152 <sup>3cds</sup>

5/24/21

Excavated but not described by Hyde Exped.

Measures: N, 11'8"; E, 12'10"; S, 13'1"; W, 12'8". Highest wall, on S, stands 5'5" above floor; that on N, 4'.

Masonry: 3<sup>rd</sup>-type but with laminate s.s. N. wall, a partition abutting <sup>plaster</sup> E & W. East side abuts S. all 4 plastered.

Alcoves: 3 alcoves formed by 2 walls abutting plastered E side: (1) 3'7" fr. NE cor., 3'8" l. x 9" th x 24" h.; floor paved with slabs 30" E-W x 9" above R. floor; (2) 2'8" fr. SE cor. 3'7" l. x 9" th. x 22" h.; (3) middle alcove 7'9" N-S.

Doors: N. wall, 31" fr. NE cor. & 9" above floor, 18" w. x 12" across sill, blocked; E. wall (1) 17" fr. NE cor., 25" w., blocked & jambs repaired before alcove was paved with slabs; (2) 12" fr. NE cor. x 18" above floor slabs, 22" w., blocked but jambs extend beyond present height of E wall (40"); S. wall: T-door: lower part 26" fr. SE cor. x 23" w., upper part, 21" fr. SE cor. & 15" above floor, 34" w. x 37" h., blocked to leave oval opening 18" w., its lintels 25" above floor. Sill, 14 1/2" below floor & concealed by that floor. In front, masonry lined & plastered receptacle

R. 152 - 2

23" h. (width of door) x 13" w. x 11 1/2" d., with bottom 3" above sill slab of T-door. Plaster reducing lower width of oval opening placed fr. R. 154.

Wall niches: N wall, 4'7" fr. NW cor., 21" above floor, 6" h. x 9" w. x 10" d., plastered. E wall, 6'3" fr. SE cor. @ floor level, 8" w. x 11" h. — plastered opening; not cleared. S. wall 6'11" fr. SE cor., 26" above floor, 9 1/2" w. x 8" h. — possible ventilator opens diagonally into R. 153. W. wall: (1) 3" fr. NW cor., & 3" above floor, 13" w. x 14" h. x 18" d. with inner width 21"; (2) 6" fr. NW cor. & 21 1/2" above floor, 10" w. x 9" h. x 13" d. also plastered within; (3) 3'9" fr. NW cor., 6" above floor, 16" w. x 14" h., not cleared.

Fireplace: Masonry-lined 28" l. x 17" w. x 12" d., inner SW corner 4'7" fr. S. wall & 5'11" fr. W.; inner NE cor., 5'8" fr. E side of room.

Subfloor: Earlier floors @ 2'3", 3'8", & 6'10". East wall with 13" offset @ floor level stands on foundation rising fr. floor @ 6'10". South wall rests on white-plastered & smoke-stained wall with floor @ 3'8"

N-E corner: N-S wall, av. 12" th., passes under N end of 152 @ 3'4" fr. NE cor.; is abutted by rough, plastered & smoked wall, 11" th., that goes under E side of 152 9'3" fr. its NE cor. Floor assoc. with these 2 walls

R. 152-3

is 6'10" below that of R. 152. Built on <sup>this</sup> floor against W side 13" fr. its SW corner is solid masonry 20" l. x 12" w. x 17" h.; 32" fr. same cor. & 20" above floor is 18" w. x 12" h. opening.

N-W corner: Rude wall, 11-12" th., emerges concavely fr. under W side 37" fr. NW cor. & extends E 7'8" to meet N-S wall 3'11" fr. N end (This wall goes under N end 7'4" fr. NW cor.). Floor rounding up to these walls is @ depth of 23" below that of R. 152; walls razed @ that height & filled with debris of demolition.

South end: From outer SE cor. of above <sup>NW corner</sup> subfloor compartment (5' fr. N end; 37" fr. E) N-S wall extends S. to about whitened plaster of wall under S end of R. 152 @ 4' fr. its SE cor. & provide W end for sunken repository below S. T-door. Plastered subfloor S. wall abuts earlier masonry of S. half of W. wall. Floor assoc. with these under walls lies @ 3'8".

## Room 153 (Beards)

6/7/21

South of R. 152 & E. of Kiva B; numbered & partly excavated by Hyde Exp.

Measures: N, 7'8"; E, 7'4"; S, 7'8"; W, 7'3 1/2". Highest wall, @ NE corner, stands 6'10". Broken S wall stands 5'. All walls plastered; S. 1/2 of W. wall washed with thin coat of white. Next middle W. wall, half a metate is imbedded in floor. Blocked door in N. 1/2 of W. wall.

Fill: Lower 1/3 of room filled with fine ashy earth containing potsherds & other discards. Artifacts not retained include: 4 hammer stones; 2 manos & 1 mano fgt. stained red.

Recess 5" w. x 4" h. x 5" d., in N. wall 2'4" fr. NW cor., & 49" above floor.

Subfloor tests revealed earlier floor levels @ depths of 15" & 25" below floor of R. 153. Both earlier floors spread on debris of reconstruction, i.e., adobe chunks, spalls, etc. Below lowest floor is soft, ashy earth containing <sup>OP</sup> sherds to depth of 9'6" where clay was encountered. This space obviously a dump before walls were erected. No earlier walls observed in this test. Under floor in NW corner is long, narrow <sup>masonry</sup> channel abutting rude masonry of Kiva B. Also, a round structure about 4' dia., built against kiva & abutted by W. wall of R. 153. Round structure exposed to depth of 6' where danger of collapse halted test.

E. wall abuts N-S wall.  
Masonry is 3'4" high.

R. 153-2

Tests S. of Rs. 153 & 154 show their S. wall resting on 17" h. foundation. At top of this is a pavement supporting masonry, 14" w. x 8" h., which abuts outer S. side of R. 153 &, @ dist. of 22", parallels W. wall (E. end of R. 142) its full length to tie with a 7" w. wall which turns W. to support S. side of large flat rock @ S. end of thick E. wall of R. 142. Abutting W. wall <sup>(outer E. wall of R. 142)</sup> 6' 5" fr. NW. corner, masonry 11" w. x 4" h.; abuts & overlies the N-S 14" wall continuing E. 5' 6" fr. W. wall, thence S. 5' 6"; thence W. to abut E. face of N-S 14" w. wall. East of the latter the 11" crosswall has a 13" h. foundation; on the W. side, none.

On same level as those described, another wall, <sup>10-12' long</sup> 22" w. x 3" h. & of laminate sandstone well laid, parallels outer S. wall of R. 153 & 154 @ dist. of 43"; is razed opposite E. end of R. 154.

Masonry hole 14" dia. x 18" d., lies on same level 3' 4" fr. N. wall & 5' 5" fr. W. wall; its E. half is missing. Had been covered by thin stone cover with 8" dia. hole in middle. East half of cover also missing.

Pavement 6" below N. wall foundation extends S. 10' @ level then dips gradually. Trench shows debris of occupation, including early type sherds, 6' deep @ point 15' S. of R. 143; debris rests on hard surface sloping down & to South. Below it, blown sand & ash.

## Room 154

6/8/21

In S. tier, @ SW. corner of E. Court; excavated & numbered by Hyde Expedition.

Measures: N., 10' 1"; E., 7' 5"; S., 10' 6"; W., 7' 6". Highest standing masonry, @ NE. corner, is 5' 2". South wall had fallen outward to within 1 ft. of floor. Plaster adheres to lower N., W., & S. walls.

Door in N. wall 2" fr. NW. corner @ floor level is 20" x 24" h.; lintel sticks so decayed, door fill not removed. S. door, blocked.

Recess, with rounded upper corners, in N. wall 37 1/2" fr. NE. corner & 9" above floor is 12" w. x 12 1/2" h. x 23" deep. Recess in S. wall, flush with W. wall, & 2" above floor is 8" w. x 11" h. x 9" d.

Finds: Several manoe, hammerstones, etc., found on floor; also, potsherds.

Subfloor tests not made.

For tests outside S. wall, see R. 153 cards.

E. Ct. cd. 37 says no founda. under R. 154 N. wall.

## Room 158

at E end S row, SE corner E Ct.; excavated to below floor level by Hyde Exped. (Jack Martin)

Measures: N, 17'10"; E, 7'8"; S, 18'3"; W, 7'7". Highest standing wall, on E, 7'.

Masonry: Predominantly 4<sup>th</sup> type but repeatedly repaired.

Doors:<sup>1</sup> N wall, 18" fr. NE cor., 19" w., sill probably @ floor level; upper jambs & lintels missing. Within door, 3 masonry steps, av. 6" riser, lead up to E. Ct. level. Lowest step, 11" tread; 2<sup>nd</sup>, 6" tread; 3<sup>rd</sup>, 8" tread. (2) 7'1" fr. NE cor., sill probably @ floor, door 2'3" w. x 2'5" h. altho jambs extend 10" below floor level. Width reduced to 20" by 7" masonry against W jamb; subsequently blocked except for 6" w. x 15" h. ventilator (?) immediately under lintel & with NE-SW bearing. This opening later blocked.

Repairs to N & W walls by NPS, 1927

NPS  
Repairs

## Room 161 (kiva)

1921

Excavated by Hyde Exped. No descrip. in Pepper, 1920.

We cleared out most of blown sand; found charred roofing poles (Negs. 11935A, 11946A - Havens, 1921). 8 pilaster logs veneered @ sides with small-stone masonry set back c. 3" from edge of bench, & heavily plastered.

Masonry, like that of R. 162, mostly of friable s.s. dressed on face; laminate s.s. used in bench.

JFB #41 fr. pilaster #7 gave AFD no date.

Room 162 (kiva)

3 cards  
Blom drawing

Condensed &  
rearranged 3/28/14

6/8/22

A Chaco type kiva excavated by Hyde Expedition. Pepper gives no descrip. but shows (1920, Fig. 145, p. 337) photo of S. recess, subfloor vent. duct with neat square flagging about opening, & fireplace. We cleared out blown sand & fallen masonry (NGS. Neg. 15861A - NMJ 1922) for superficial details & saw subfloor kiva exposed by previous excavations. Flagging about vent opening had been removed.

Probably  
contemp. 3rd Type  
S. floor kiva  
under floor

Masonry almost wholly of large dressed blocks friable s.s. apparently salvaged from razed 2nd type walls. laminate s.s. used @ sides of S. recess & for pilaster log veneering.

Kiva 162 av. 18' dia. at floor. Bench av. 19" w. x 31" h. On bench, 8 low pilasters — round logs veneered @ sides with small-stone masonry set back 2-3" fr. edge of bench. Pepper's Fig. 145 shows sqts. of charred poles @ either side S. recess.

South recess is 4'10" w. x 15" deep.

Ventilator opening, lacking flagstone rim shown by Pepper, JPB Nos. 28-34 fr. pilaster legs, gave A.C.D. no dates.

See NGS. Neg. 16256A, 16262A - NMJ, 1922

Room 162-2

is 21" w. & its inner N end is 5'10" fr. rear of S recess. Adobe floor of duct is 33" below that of room; duct is 24" w. & its plastered masonry walls are 14" h. as they go under recess.

Fireplace, 26" dia. x 13" d., has inner edge 7'5" fr. rear of recess.

On S edge of fp. is masonry screen, slightly concave to south.

Subfloor vault W of fp. is 25" w. x 7 1/2' h. x 17" d. Its inner SE cor. is 49" fr. W. front of recess; inner SW cor. slightly concave.

Subfloor wall of undetermined length & height, lies 17" W of inner W side of vault. A stone fill occupies space S. of vault.

Original floor of R. 162 @ depth of 4".

Subfloor kiva, c. 14' dia. @ floor, has bench av. 13 1/2" w. x 37" h. On bench 4 solid masonry pilasters av. 24" w. x 10" deep, set back av. 3 1/2", were razed 5'5" above their floor & @ that height, covered by orig. R. 162 floor. Walls & pilasters of subfloor kiva plastered & smoke-stained. South recess in bench 4'3" w. in front x 7" d. underlies R. 162 subfloor vent. duct. Above

Room 162-3

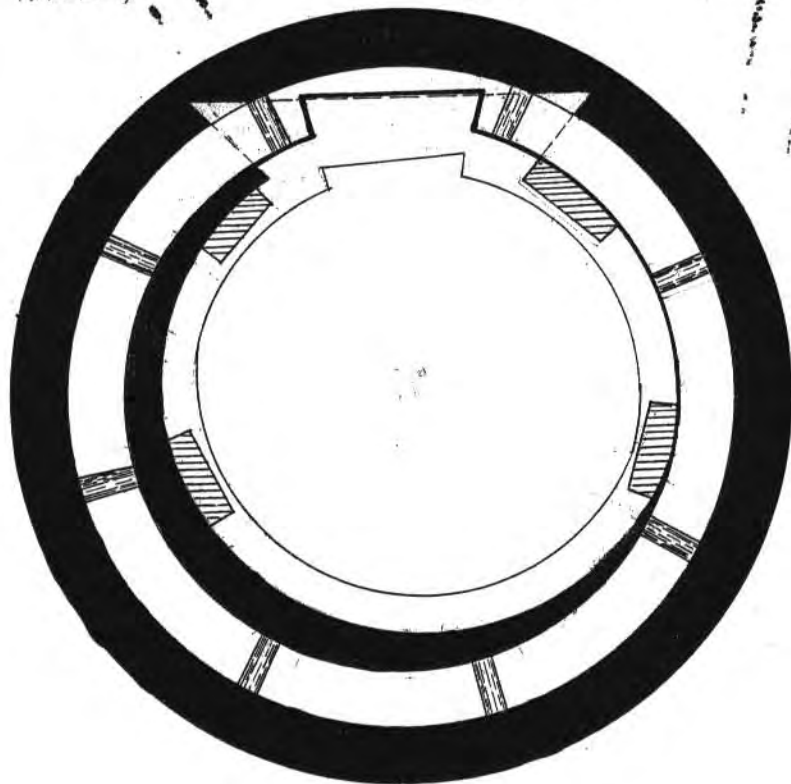
bench of lower kiva is deep S. recess, 8'9" w. in front x 3 1/2' d.  
Its E side is 6" fr. its #1 pilaster & its W side is continuation of SE end of its #4 pilasters. Here #1 & #4 pilasters are 8' apart in front & the floor of the R. 162 ventilator duct rests directly upon the deep upper S. recess of the subfl. kiva. We did not uncover ventilator of earlier kiva but it probably opens thru back wall of shallow bench recess. & under floor of the upper one.

We examined only S. 1/2 of subfl. kiva & then refilled it. Because of wall disintegration we also partly refilled R. 162<sup>c</sup>

Ventilator shaft for this kiva presumably rises in the now broken masonry between R. 161 & 162.

San-Juan Kiva  
within & beneath  
floor of R. 162

R. 162-4



Francis Bloom.

## Room 163

7/17/26

North of kiva 162; middle E. side of East Court. Excavated by Hyde Expedition.

Measures: N., 10'10"; E., 6'8"; S., 11'7"; W., 7'2". Highest standing wall, @ NE., rises 6'8" to broken top without beam seatings.

Masonry: Mostly of large, dressed blocks of friable s.s., with irregular chinking — perhaps reused blocks from razed 2<sup>nd</sup> type walls. East wall abuts N. & S.; N. wall abuts on W.; W. abuts on S. wall.

Door, partly blocked, in E. wall 2'4" fr. NE. corner & 22" above floor, was 1'9" w. x 3'5" h. Door, partly blocked, in W. wall 2'9" fr. NW. cor. & 15" above floor, was 2'4" w. x 2'6" h.

## Room 164.

Between Rs. 163 & 165, middle E. side of East Court. Excavated by Hyde Expedition.

Measures: N., 9'11"; E., 6'6"; S., 10'4"; W., 5'10". Broken E. wall still stands 7'10" h. in NE. corner.

Masonry of large blocks of dressed, friable s.s. with but little chinking — blocks apparently from razed 2<sup>nd</sup> type walls.

Subfloor: Test <sup>above</sup> kiva <sup>2<sup>nd</sup> type</sup> wall, 14" th., inner curve of which passes under N. wall 5'5" fr. NE. corner & under S. wall 18" fr. SE. corner. Same subfloor kiva previously noted in R. 273.

## Room 165.

Between Rs. 164 & 166 @ E. end of cross-court wall, East Court.  
Excavated by Hyde Expedition.

Measures: N., 8'; E., 13'2"; S., 9'5"; W., 13'1". Broken N. wall still stands 5'6" h.

Masonry, of dressed blocks of friable s.s., with very little chinking — doubtless blocks salvaged from razed 2<sup>nd</sup> type walls.

Subfloor kiva of dressed, friable s.s., with very little chinking is perhaps to be classed as 2<sup>nd</sup> type masonry. Inner face of its wall, 14" th., passes under S. wall 5'3" fr. S.E. corner & 2'6" below approx. floor level of room; under <sup>E</sup>N. wall 10'7" fr. S.E. corner. Same subfloor kiva noted in Rs. 164 & 273.

## Room 166.

8/30/22

Narrow NE-SW. passage N. of R. 165; excavated by Hyde Exped.

Measures: S., 19'3"; W., 3'9"; N., 10'3".

Masonry of S. wall is dressed friable s.s. separated by rows of 1" laminate blocks. South wall rounded sharply to outer W. side of R. 165; curved gently to E. as S. wall of R. 281. West wall abuts N. & S. North wall ends with 9 1/2" face @ entrance of passage into R. 282.

# Room 167.

8/30/22

Narrow chamber W. of R. 282; excavated by Hyde Exped.  
Measures: N., 31"; E., 8'7"; S., 3'6"; W., 9'7". Highest masonry, @ SE. corner, stands 4'1".

Masonry of no definite type. West wall chiefly of thick, dressed friable s.s. blocks; E. & S. walls of friable s.s. separated by 1-3 courses of thin laminate blocks.

Door thru E. wall into R. 282 is blocked; was 22" w. Wall here stands 3'6"; no trace of lintels.

# Room 168 (3 cards)

See N.G.S. print # 39946A

9/9/26

In outer S. tier, S. of Kiva 161; excavated by Hyde Exped. but not described by Pepper.

Measures: N., 18'10"; E., 11'9"; S., 19'; W., 11'10". Highest walls, in NE. corner, stand 10'5" above approx. floor level without beam seatings.

Masonry of banded 4<sup>th</sup> type with dressed blocks in all 4 walls. North wall much altered by successive doors. Floor completely removed by earlier excavators; base of wall masonry assumed to mark floor level. Pepper prints show N. & W. walls plastered.

Doors in N. wall: one, 23" w. x 6'6" h., with plastered sill 2'6" below floor level, stands 2'9" fr. NW cor.; its irregular & perhaps altered jambs still carry plaster. This door has 4 descending lintels, 3 of which are supported by ~~heavy~~ <sup>dressed</sup> planks, suggesting a former flight of steps into room replaced by Kiva 161, the outer curve of which blocked this door 4'6" fr. inner N. wall of R. 168.

In N. wall 7'5" fr. NW cor., is west jamb of a former large door apparently 3'4" w. x 7'7" h., with sill @ floor level. It had been partly blocked, the width reduced to 22" by built-in sections

Pepper print # 648 shows this passage blocked & plastered over. Same for all N. blocked doors except by central T. door, filled with earth & rock. Print # 1473 shows descending lintels.

R. 168-2 producing a T-shaped door

against both jambs, a new sill laid 2'10" above floor level. From this sill 5 masonry steps lead to roof level of Kiva 161; the topmost <sup>riser</sup> tread being 6'3" fr. inner N. wall of R. 168; The built-in jamb probably ended 5'4" above room floor for above that point the steps are 37" w. Their masonry sides abut outer N. wall of R. 168. Steps & their inclosing walls were plastered.

perhaps lintel slab of hatched 5'11" door.

Another N. door, much altered, shows 2'7" fr. NE. corner with its E. jamb continuing to floor level. Sill lies 27" above floor; width of door, 26" & probable height, 3'11". Width later reduced by a 6" section built against W. jamb; still later, door entirely blocked & a slab sill, 6'3" above floor, introduced for an opening or recess, 35" w. & 21" fr. NE. corner. This recess later blocked.

Door in <sup>NE</sup> E. wall, 4'7" fr. NE. cor. & 37" above floor level, was 26" w.; is now blocked.

20% repairs

Door in W. wall, 5'4" fr. NW. cor., & 3'10" above floor, is 16" w. x 36" h. to lintels. This door repaired & new lintels added in 1925. Prehistoric repairs to W. wall between this door & NW. corner are

R. 168-3

apparent; a mans appears as one of the repair stones. In R. 160 this door is 24" w. & 3'9" above floor; inset jamb sloping upward & toward the E. as supports for door slab, reduced width of opening to 16" in R. 168.

Recess, 14" w. x 13" h. & 3'5" above floor, appears in <sup>NW</sup> N. wall flush with NE. corner; its sides show plaster.

Recess, 14" w. x 12" h. & 21" above floor level, shows in E. wall 14" fr. NE. corner; it is 16" d. & plastered inside.

Room 169 <sup>2cds</sup>

1 floor removed

11/2/27

In S. row; excavated by Hyde Exped. to below floor level. At N cor. walls still stand 10' above approx. floor level.

Measures: ~~NE~~ NW, 19'1". NE, 11'6"; SE, 19'1"; SW, 11'6".

Masonry: Banded 4<sup>th</sup> type.

Doors: NE wall, 6' fr. N. corner, 12" above wall base, 28" w x c 39" h, lintels removed before blocking. SW wall, 4'4" fr. W. cor., 41" above wall base, 24" w. x c 36" h, blocked. (lintels & masonry above replaced by N.P.S., 1925)

NW wall: No less than 6 one-time doors indicated, all much altered; all blocked. c flush with W corner 9" above wall base, 30" w. x 4'8" h. & slanted diagonally W-E thru wall; E jamb slightly concave vertically. Thereafter, door successively reduced & ultimately sealed, thus: lower 20" blocked to leave 14" w x 20" h opening against lower W jamb, E jamb continuing to c 30" h. & preserving its orig. concavity. Subsequently 14 x 20" opening closed & new sill installed 32" above wall base for reduced door 22" w x c 24" h. & recessed 9". Thereafter <sup>near</sup> sill of recessed door raised 4" by stonework

R. 169-2

abutting both plastered jambs with new plastered jamb 7" <sup>or E</sup> thick, added to form lesser opening in W. corner 15" w. x 19" h continuing orig. diagonal slant thru wall. Subsequently this reduced opening blocked & plastered over.

- A half doz. other former openings indicated in NW wall.
- ca 3 1/2' fr. W. corner & 20" above wall base, orig. 25" w x 4' (?) h. reduced to 22" w. by new masonry W jamb; E jamb vertically concave. Door blocked & new sill slab introduced c 5 1/2' above wall base & width reduced to 22" by new E masonry jamb above sill, both jambs continuing to present top of restored wall, ca 8'.
  - ca 7 1/2' fr. W cor. door 28" w. x 56" h & c 15" above wall base, blocked to floor level of R. 268 (49") but probably once blocked full height.

Other NW blocked doors not reported.

Hyde print # 649 shows dirt fill in angled W cor. door; all others blocked & plastered over. SW door also blocked & plastered.

In 1925 N.P.S. replaced lintels & masonry above for 4 doors in 169.

Room 170.

7/21/26

Outer S. tier betw. Rs. 169 & 171; excavated by Hydro Exped.

Measures: N., 14'; E., 18'7"; S., 15'2"; W., 17'2". Ceiling offset, 7'9" above appar. floor level. Floor had been removed.

Masonry: banded 4<sup>th</sup> type; some of larger blocks dressed by pecking. All corners tied; plaster adheres in NW cor., on platform face.

Doors: E wall (1) 3 1/2' above floor, 19" fr. SE cor., 27" w. x 3'4" h.; (2) 5" above apparent floor level & 4'4" fr. SE cor., possible door, 28" w.; (3) @ floor level 8'1" fr. SE cor., 27" w. x 5'3" h., blocked. Door to R. 171 19" fr. SE cor., equipped with secondary lintel & jambs to support slab fr. R. 170. West wall: (1) 2" fr. NW cor. & platform, 24" w. x 3'4" h., blocked & 2 masonry steps below; (2) @ floor level 3'5" fr. SW cor., 27" w. x 4'0" h., reduced to 22" w. by secondary N jamb, then blocked. In face of N. platform, 18" above floor level & 3'7" fr. NW cor., recessed stone steps 28" w. led to apparent hatchway in platform floor; steps abut plastered sides of recess. In NE cor., prehist. repairs, 4' on N.; 3' on E.

Platform E end 6'4" w.; W, 7'6" w.

170 B.

"Platform" @ N. end of R. 170 may represent R. 170 B level. Measures above platform: N., 14'6"; E., 24'11"; S., 15'8"; W., 24'8". Ceiling height, 9'8" est. Lintels of W. door to R. 228 @ platform level. Probable hatchway above recessed steps in front of platform. R. 170A. Door: 18" above platform & 4'3" fr. NW cor., 24" w.; blocked.

Pepper's Neg. #646 shows: (1) 2 masonry steps abutting N platform 12-14" below W. door. (2) bench (?) of 2 pine logs & part of a 3<sup>rd</sup> close against W wall & @ 6" above floor, their N ends embedded in masonry steps & S. ends perhaps in SW cor.; (3) square opening, possible vent, in W wall to R. 169.

## Room 171.

7/21/26

In outer S. row; E. of R. 170, S. of R. 229. Excavated by Hyde Exped.  
Measures: N, 11'10"; E, 11'5"; S, 11'10"; W, 11'5". Ceiling poles, 10 1/2' est. R. 171B floor offset @ 11' above floor.

Masonry: banded 4<sup>th</sup> type with occasional dressed laminate blocks, more rarely, dressed friable s.s. N wall abuts on W; others apparently tied. Doors: N., 4'5" fr. NW cor., 21" above floor, 27" w. x 4 1/2' h., blocked. S wall: (1) 10" fr. SW cor., 21" above floor, 26" w. x 5'3" h., blocked; (2) 5' above floor (see NE door, R. 170).

Room 171B. Masonry @ N & NE is more typically 4<sup>th</sup> type than in 171A. East wall stands 10'2", floor offset to ceiling offset. Doors: N side (see R. 229B): Ventilators: N. wall: E end, 12" sq. est; W end, 14" sq. est.

Room 171C. Third story east wall, broken, still stands 7'5" above floor offset.

## Room 172.

7/22/26

In outer S. tier, E. of R. 171 & S. of R. 228; excavated by Hyde Exped.  
Measures: N, 18'4"; E, 11'4"; S, 18'; W, 11'4". On N. side, wall measures 11'10 5/8" from floor to ceiling offset. All corners tied.

Masonry of banded 4<sup>th</sup> type with occasional dressed blocks of laminate s.s. ~~Fewer~~ dressed blocks present in 2<sup>nd</sup> & 3<sup>rd</sup> story walls at N, E, & W. Second story N. wall stands 10'2" from floor offset to ceiling offset; 3<sup>rd</sup> story N. wall stands 7'5" above floor offset to now broken top. Doors in middle N. walls of 2<sup>nd</sup> & 3<sup>rd</sup> stories.

## Room 174

7/22/26

In outer S. tier betw. R. 173 & 175; S. of R. 226. Excavated by Hyde Exped.

Measures: N., 16'5"; E., 11'8"; S., 15'9"; W., 11'4". To ceiling poles, 8'½', est. East wall stands 9' to 174B floor offset. Corners tied.

Masonry of banded 4<sup>th</sup> type with occasional dressed blocks of laminate s.s. & less often, dressed blocks of friable s.s. West side exceptionally well banded; banding less marked in 174B & 174C.

R. 174B. N wall stands 10'8" floor offset to ceiling offset.

R. 174C. " " " 6'8" above floor offset. In E wall, N jamb of T-shaped door to R. 175C.

## Room 175

In outer S. tier W. of R. 176 & S. of R. 225; excavated by Hyde Exped.

Measures: N., 11'10"; E., 11'9"; S., 11'6"; W., 11'7". North wall, floor to ceiling offset, 8'6".

Subfloor test revealed pavement 19" below room floor; dips about 2" @ S., continues beyond S. wall & dips sharply. (See Blom's cross-section) Foundation of S. wall, 16" h., rests on this pavement.

Subfloor foundation, 24" w. x 19" h., passes under N. wall 5'4" fr. NE. corner & meets S. wall foundation 4'4" fr. SE. corner. Subfloor foundation built on adobe-sand fill which rests on <sup>floor level</sup> prepared pavement 43" below room floor; below this pavement is 47" debris of reconstruction — adobe chunks, spalls, with charcoal & ashes — resting on 3<sup>rd</sup> subfloor <sup>@ 7" & 8"</sup> pavement. Potsherds were imbedded in this latter adobe surface.

Broken 2<sup>nd</sup> story N. wall rises 10' above its floor offset; broken 3<sup>rd</sup> story W. wall stands 5' above its floor offset. North jamb of T-shaped door shows in middle 3<sup>rd</sup> story <sup>W.</sup> wall.

Room 177

(3 cards)

10/25/27

7/22/26

In outer E. tier, N. of corner R. 176 & E. of R. 225; excavated by Hyde Exped.  
Measures: N., 10'2"; E., 19'3"; S., 10'4"; W., 18'. Ceiling poles show on S. 8'2" above floor; also on No Four E-W beams; that @ N. about 5' fr. N. wall.

Masonry of banded 4<sup>th</sup> type, some of thicker blocks being dressed. Corners tied.

Door 27" w. x 53" h. (to 6-3" lintels) in W. wall 3" above floor & 7'11" fr. NW. corner; lower 10" is blocked. Doubtless was fully closed formerly.

Ventilators: 2 each in E. & W. walls. (1) In E. wall, 1" fr. NE. cor. & 57" above floor, vent. 13" w. x 13" h. (to 13-2" lintels); (2) flush with SE. cor. & 54" above floor, vent. 13" w. x 12" h. (to 9-2" lintels). (3) In W. wall, 5" fr. NW. corner & 56" above floor, vent. 13" w. x 14 1/2" h. (to 10-2" lintels); (4) flush with SW. cor. & 52" above floor, vent. 13 1/2" w. x 14 1/2" h. (to 11-2" lintels)

Subfloor: Trench @ N. end shows W. wall foundation 15" h. with 1" offset; N. foundation 16" h. with offset 2" @ W & 1" @ E; E. wall foundation 20" h. with 2" offset. Foundations ~~to~~ average of 8" below room floor. Pavement noted 41" below floor @ W. side; 49" below @ E. side. Extends beyond area of room; is overlain by blown sand containing clay pellets &

R. 177-2

scattered bits of charcoal. Below pavement & above in NW. corner only, adobe chunks & stone chips from razed walls are mixed with blown sand. No subfloor N-S. wall.

R. 177 B. Floor offset to N. ceiling offset is 10'4". Door in middle W. side about 1' above floor offset. <sup>SW. Ventilation</sup> Small ~~W.~~ door about 15" w. x 18" h. is about 3' above floor level & 4' fr. NW. corner; dressed planks form its outer lintels with 4 poles between. Ventilator present @ N. end of W. wall; others doubtless existed in now missing S. end of W. wall & in E. wall.

R. 177 C. Broken third story wall, @ NW., now stands about 3' high.

Outside R. 177-3

outside cist

Against outer E. wall of R. 177 a test trench shows excellent 4<sup>th</sup> type masonry with ventilators 5'2" above foundation; latter <sup>20" h.</sup> inset 3" & built on 13" of sand covering an adobe surface. Test to 5' below top of foundation. Above sand layer, 10" accumulation of constructional droppings overlain by stratified blown sand 5' deep next wall & increasing to c. 8' @ dist. of 30 ft. In adobe surf. <sup>8-10"</sup> under <sup>13" sand layer</sup> foundation, approximately 5' fr. R. 177 & 20' fr. outer SE cor. of R. 176 is pot-shaped cist 50" d. x 21" dia. @ mouth & 46" dia. inside. Unplastered; bottom uneven & marked by irregular rootlike holes of various sizes leading downward in various directions & all filled with decayed vegetal (?) matter (see analysis).

Room 179.

3 cds

6/29/22

In outer E. tier, 4<sup>th</sup> fr. SE cor.; E. of R. 242. Excavated by Hydes. Measures: N., 10'4"; E., 19'6"; S., 10'1"; W., 19'8". Ceiling poles, N. wall, 8'6" above floor.

Masonry: 4<sup>th</sup> type, all laminate s.s. Corners tied.

We cleared floor to seek kiva found under Rs 242-3-4.

Subfloor kiva: wall 25" th; its plastered inner face goes under W. wall 3'3" fr. NW cor.; under N wall founda. 2'3" from NW cor. Foundations of N & W walls rest upon kiva wall & extend down inside; dressed blocks of friable s.s. fr. razed 2<sup>nd</sup> type walls used in both foundations.

Subfloor test in NE corner shows sandy fill containing bits of charcoal & occasional sherds to depth of 6'. Depth of fill not determined. Foundations of E wall & E half of N. rest on silt surface 17" below room floor.

R. 179B: W floor offset to ceiling offset, 10'6".

R. 179C: W wall stands 8'10" floor offset to broken top.

Kiva outside R. 179 - 2

3<sup>rd</sup> type  
kiva outside E wall

Previously unreported; excellent 3<sup>rd</sup> type masonry - dressed friable s.s. blocks coursed between laminates - lies  $\approx$  4 1/2 ft. outside N. end of R. 179, its middle W arc 76' from outer SE cor. of R. 176. Depth, 10' with upper 12" of large blocks forming ceiling pole offset 2' w. (wall thickness); dia. above bench, 28 ft. Bench, 25" h. x 2'8" w., front largely broken down. Test pit exposed 1 pilaster 18" w. & set back 5"; wall above broken out when pilaster log & cribbed ceiling logs were removed. At back of bench, 6" w. trough probably held upright posts or slats. No wall plaster.

Outside wall of R. 179, good 4<sup>th</sup> type & plastered, stands 7'5" fr. beam level to top of 20"-h. foundation; latter built upon uneven surface 9'1" below beam level & 7'0" above kiva floor. On this surface between kiva & R. 179 are approximately 4' of mixed occupational &

Outside R. 179 - 3

constructional debris to kiva roof level with another 10-12" of sand containing clay lenses & pellets to an occupational level  $\approx$  12' above kiva floor. On this level 21" fr. R. 179 wall is a clay-lined fireplace, 8" dia. x 2" deep; above it, 3-4 ft. of stratified blown sand against ruin wall.

S. ventilator of R. 180 lies  $\approx$  3 ft. above top of kiva ceiling pole offset.

Room 180

(1 card)

SW corner door in R. 180 B. - Reg. 11875A & Mindeloff #175 11/27/27  
(on Plate 2993)

7/22/26

In outer E. ties, N. of R. 179 & E. of R. 243. Excavated by Hyde Exped.  
Measures: N., 10'2"; E., 16'4"; S., 10'5"; W., 15'2". Ceiling poles show in S. wall 7'6" above floor; spalls on edge separate part of N. ceiling poles. Ceiling offset of W. wall is 8' above floor.

Masonry of banded 4<sup>th</sup> type with some of thicker blocks dressed on face. Door in W. wall 6'8" fr. NW. corner was originally 27" w. x 4'5" h. & 7" above floor; secondary sill slab introduced 25" above floor & new jambs, tied to old ones, reduced door to present size, 22" w. x 27" h., to secondary lintels. For further notes, ~~on this door~~, see descriptions of R. 243 E. doors.

Ventilators: 2 each in E. & W. walls. (1) In W. wall, 6" fr. NW. cor. & 4'6" above floor, vent. 13 1/2" w. x 11 1/2" h. (to lintel, av. 2" dia.); (2) flush with SW. cor. & 4'4" above floor, blocked vent., 13" sq. (3) In E. wall, 4" fr. NE. cor. & 4'6" above floor, vent. originally 13" w. x 14" h. (to slab lintel) <sup>longer 6"</sup> had been partly blocked to form recess 8" h. x 7" d. (4) 5" fr. SE. wall & 4'5" above floor, vent. 12" w. x 12" h. (to 2" dia. lintel poles) was partly blocked to form recess 12" d., upper S. corner of blocking being omitted to leave ventilator, 6 1/2" sq., to outside.

Second & 3<sup>rd</sup> story walls stand on N., W., & S. R. 180 B. W. wall is 10'2" from floor offset to ceiling offset <sup>SW corner door to R. 242 B.</sup> R. 180 C. Broken W. wall rises 8'4" above floor offset.

Room 181 (2 cards)

7/25/22

In outer E. ties, between Rs. 180 & 182; E. of R. 257. Excavated by Hyde Exped.  
Measures: N., 9'11"; E., 16'4"; S., 10'2"; W., 15'2". Beam holes in E. wall 6'7" above floor; to ceiling poles @ S., 7'6".

Masonry of banded 4<sup>th</sup> type with some chinking & a few of larger laminate blocks dressed on face. South wall abuts the E.; other corners tied. Plaster adheres to lower walls; @ S. end this is unevenly burned as tho due to burning of collapsed ceiling.

Door 21" w. x 24" h., in W. wall 26" above floor & 6'11" from SW. corner; apparently reduced from slightly larger opening.

Ventilators: 2 each in E. & W. walls; all 4 blocked.

Subfloor: Room cleared of sand & fallen masonry accumulated since Hyde Exped. to trace sub-floor E-W wall. This proved to be mostly foundation, 19" w. x 20" h., including several inches of typical laminate 4<sup>th</sup> type masonry; its finished N. face passes under W. wall 4'10" fr. NW. corner & under E. wall 7'9" from NE. corner. East wall foundation, 20" h., has 6" offset 8" below top of subfloor E-W wall; W. wall overhangs its 16" h. foundation 4". ~~fr. east~~ latter abuts the

R. 181-2

subfloor foundation while W. wall masonry rests upon it. East wall foundation also abuts subfloor E-W wall.

Test hole on N. side subfloor wall to depth of 6'8" shows earthy fill containing bits of charcoal & occasional sherd of Chaco type. No Mesa Verde sherds in this hole.

R. 181B. Floor offset to ceiling poles in S. wall, 10'6". Blocked door in middle S. & W. walls.

R. 181C. At S. & SE. sides 3<sup>rd</sup> story masonry still stands to height of 7' above floor offset.

## Room 182

In outer E. tier between Rs. 181 & 183; E. of Rs. 257 & 259. Excavated by Hyde Expedition. South wall, floor to ceiling poles, 7'6".

Subfloor tests show rough E. wall foundation, 28" h., supporting 5" of good 4<sup>th</sup> type laminate masonry below floor level & offset 11" from E. wall — probably part of E. foundation complex.

Subfloor wall, 24" w. x 20" h., abuts E. wall foundation 3'4" fr. NE. corner & passes under N. wall 4' fr. NW. corner. (NE. face of subfloor wall).

R. 182B. Broken 2<sup>nd</sup> story S. wall still stands 10' above floor offset. Blocked E. door — the only one in outer <sup>wall of</sup> 3<sup>rd</sup> & 4<sup>th</sup> type additions to pueblo. (Havers' 1925 print Neg. 31992A.)

## Room 183

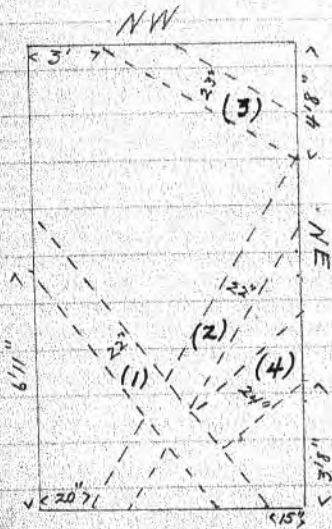
In outer E. tier between Rs. 182 & 184; NE. of Rf. 259. Excavated by Hyde Expedition.

Measures: NW, 10'2"; NE, 16'6"; SE, 10'1"; SW, 14'10". North wall, floor to ceiling poles, 7'2".

Subfloor tests show ~~several~~ <sup>four</sup> rude foundations, all low, as follows: (1) Foundation 22" w.; N. face passes under SE. wall 15" fr.

E. corner; S. face passes under SW. wall 6'11" fr. S. corner. (2) Abutting N & S. sides of latter foundation is another, ~~also~~ 22" w., whose W. side passes under SE wall 20" fr. S. cor. & under NE wall 4'8" fr. N. corner. (3) South face of a similar foundation, 23" w., passes under NE wall 4'8" fr. N. corner & under NW. wall 3' fr. W. corner. (4) East face of similar foundation, <sup>24" w.</sup> right angles to #1 foundation, passes under NE wall 3'8" fr. E. corner. No finished masonry on these subfloor walls.

R. 183B. North wall stands 10', floor offset to ceiling offset.  
R. 183C. Broken N. wall still stands 8' above floor offset.



## Room 184.

Subfloor walls. Several subfloor walls enter room and end abruptly. Walls consist of unshaped boulders without mortar. Average 9" in thickness and lay direct under walls of room. These later extend 9" below original floor. Subfloor walls enter by corners and are broken off so that centre of room is free from walls. In SE. corner a wall enters.

SE wall of room is III type masonry and stands 3 stories high. 1st and 2nd story door in this wall. S.W. wall, 2nd story door blocked, 2nd story door open. N.W. wall no doors.

Room measures 10'1" on N; 10'3" on S; 16'10" on E; + 15' on W. S. wall stands 7'4" from floor to ceiling poles.

2nd story S. wall stands 9'8" fr. floor offset to ceiling offset.  
Broken 3rd story S. wall stands 8'10" from floor offset.

# Room 185 (5 cards)

Condensed  
Truquet notes.

In outer tier @ NE side, between R. 184 & 186; NE. of Room 261.  
Excavated by Hyde Exped. Long axis is NW-SE.

*N.G.S. repairs*  
Measures: NW., 10'1"; NE., 16'9"; SE., 10'1"; SW., 16'8". Beam hole in SW. wall (recently inserted log) is 6'4" above floor but SE ceiling poles 7'2" above floor & 2<sup>nd</sup> story floor offset is 8" higher.

Door, blocked, in NW wall 18" above floor & 4' from W. corner was 27" w. x 46" h. to lintel poles; wall 30" thick. Door in SW. wall 18" above floor & 7'5" from W. cor., is ~~27~~<sup>20</sup>" w. x 36 1/2" h. to two secondary lintels, 6" below main lintels. Secondary jambs, 3" thick, had been tied to orig. jambs to support door slab from R. 261 wherein door measures 26" w. x 41" h. x 26" across sill.

Ventilators: 2 each in NE. & SW walls. (1) In NE wall 2" from N. cor. & 4'9" above floor, vent. 12" w. x 10" h. to slab/lintel; (2) vent. 13" w. x 11" h. to pole lintels under slab, in same wall 3" fr. E. cor.; (3) in SW. wall, 11" fr. W. cor. & 6'5" above floor, vent. 10" w. x 12" h. to slab lintel; in same wall 5" fr. S. cor. & 4'1" above floor, vent. 13" w. x 13" h. to pole lintels. SE. wall of R. 261 closed this <sup>latter</sup> ventilator.

P-185<sub>2</sub> (Subfloor)

(Plan of subfloor walls on back) - Request.

all subfloor walls in this room extend up to the floor of the room. (Floor rests on subfloor structures).

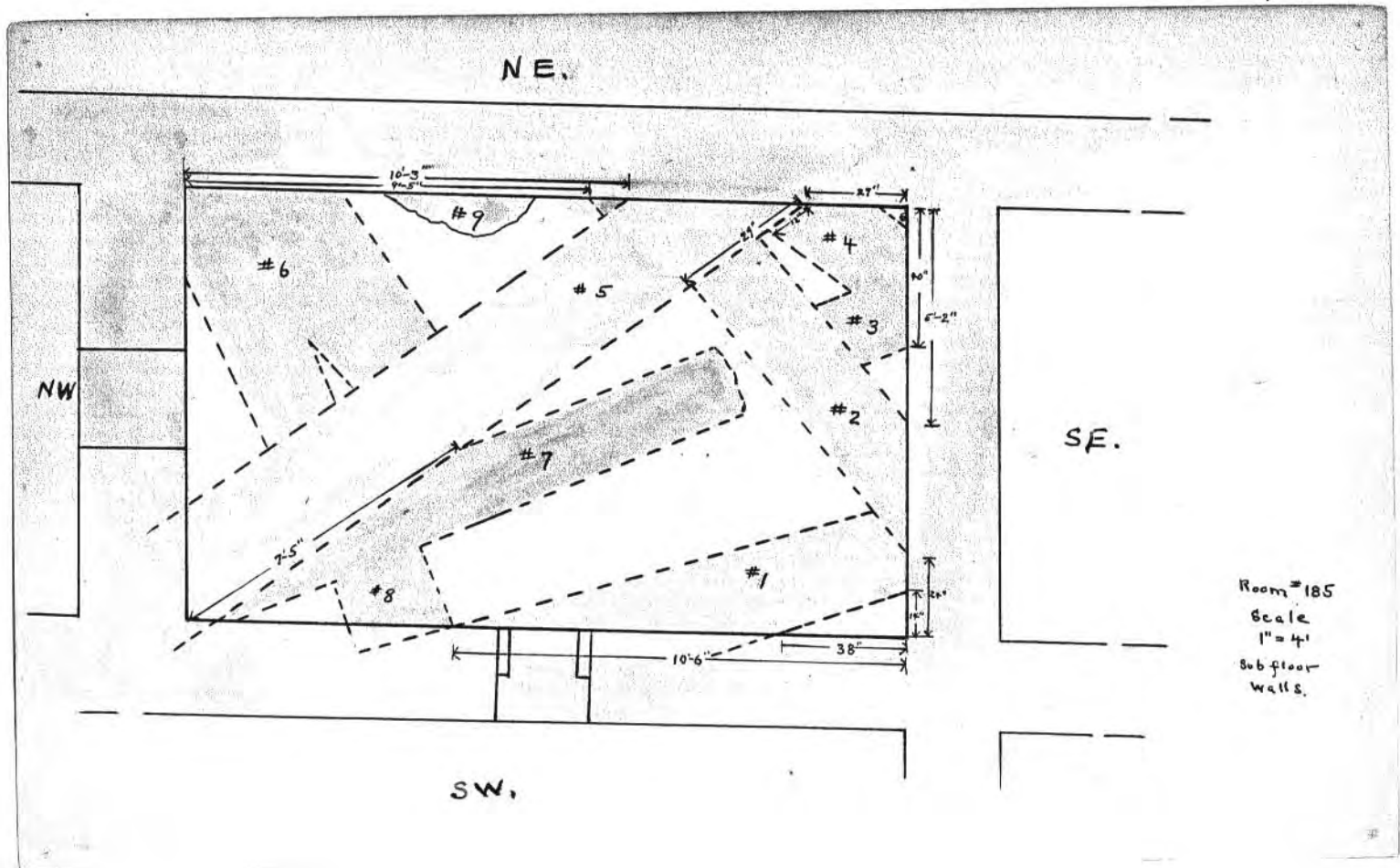
Wall #1 averages 25" in width and extends 20" below floor of room 38" from S.W. corner. This wall extends under SW. wall of room. It abuts wall #2. and it abuts foundation of SE wall of room.

Wall #2. at S.W. it abuts <sup>or ties into</sup> foundation of the SE wall of the room. This wall 15" high. Some dressed blocks noted, purely foundation. It appears to be tied to wall #3.

Wall #3 abuts foundation of SE wall of room.

Wall #4 tied to wall #3 and abuts #5

Wall #5 extends under NE. wall of the room



P-185  
3-  
subfloor

#4 type  
subfloor  
wall.

The upper 6" of Wall #5 as shown in the #E corner is of #4 type masonry, below this 6" is a 2" of cast for foundation. Wall #5 extends 33" below floor of room. Wall #2 abuts #5. On N<sup>W</sup> side of wall #5 is what may be a continuation of #2 represented merely by a single stone extending under NE. wall of room.

#6 is little more than a mass of masonry in N. ~~E~~ corner of the room. On N<sup>E</sup> side it is tied to W~~E~~ wall of room foundation. At ~~west~~ <sup>S</sup> it abuts wall #5. #6 is 19" high & divides where it abuts #5.

~~On the west where wall #6 abuts #5 it divides.~~

Wall #5 at S.W. corner of room extends under NW and SW. walls of the room 7'5" from S.W. corner of room, wall #5 divides forming wall #7 the portion to the <sup>SW</sup> west. This appears to be a continuation of wall #3.

P-185  
4-  
4

at S.W., wall #7 has been built against wall #5

Wall #8 is tied to #7 and abuts #1.

Foundation wall of Room 185 on SE extend to depth of 18"  
" " " " on NE " " " " 15"  
" " " " on NW " " " " 5"

#9 represents a single layer of small stones at floor level of room 185.

R. 185-5

11/1/27

NAS  
repairs

R. 185 B - Doors in middle of NW. & SW walls; latter repaired by NAS. Ventilators: 2 in SW. wall, that @ NW. end blocked flush with wall face; that @ SE end was blocked from R. 261 B, leaving recess in R. 185 B, plastered & whitened. Floor offset to ceiling offset is 10 feet. Mindeff Reg. 3207 shows shelf pole holes just below S. vent. in SW. wall; 3<sup>rd</sup> story @ S corner

R. 185 C - Portion of 3<sup>rd</sup> story masonry stands 5'6" ~~in~~ above its floor offset @ S. corner.

Room 186 (scds.)

11/3/27

Measures: NW, 10'1"; NE, 16'8"; SE, 10'2"; SW, 16'5". 7 floor to ceiling poles, 7'2". Excavated by Hyde Exped.

Masonry: 4<sup>th</sup> type, unbanded; NW, foundation 10" below floor, abuts SW.

Doors: NW wall, 11" above floor & 3'8" fr. W cor., 28" w. x 3'11" h. to 8 - 3" lintel poles x 25" across sill. In SE wall, 17" above floor & 4' fr. S. cor., 28" w. x 47" h. to charred lintel poles, blocked; wall 30" thick. In SW wall, 20 1/2" above floor & 25" fr. S. cor., 28" w. x 40" h. to lintel poles x 27" across sill to R. 261.

Ventilators: NE wall, 4'5" above floor & 10" fr. E. corner, 13 1/2" w. x 11 1/2" h. to lintel poles; blocked from outside. Second NE vent, 4'6" above floor & 4" fr. N. cor., W jamb & sill of blocked vent.

Floor: Single layer of adobe immediately upon subfloor foundations continuing from outside.

R. 186-2

E-W

Subfloor foundations: (1) S. face of <sup>upper</sup> founda. 31" w. @ W. end & 32" w. @ E. x 17" h. & immediately under floor, goes under NW wall 18" fr. W. cor. & under NE wall 24" fr. E. corner. Abutting S. face of No. 1 are 3 others of like construct. just under floor: (2) 24" w., abuts No. 1 founda. 21" fr. where it goes under NE wall & goes under SW wall 26" fr. S. cor. continuing subfloor into R. 261; (3) 22" w. x 14" h. abuts No. 1 10'4" fr. where it goes under NE wall & goes under SW wall 7'5" fr. S. cor.; (4) 24" w. x 11" h., abuts No. 1 founda. 12" fr. where latter goes under NW wall & abuts plastered lower SW wall 17" fr. W. corner. (#4 on Neg. 50583A)

On N side of No. 1 is another, #5, 25" w. @ W end & 29" w. @ E; N face goes under NW wall 37" fr. N cor. & under NE wall 4'7" from N. cor. At 4'7" fr. N. cor. S. face of #6 founda. extends W & goes under NW wall 13" fr. N. corner. Between No. 5 & No. 6, underlying NW wall, is founda. block 10" w. against No. 6 & 15" w. @ No. 5. NE & SW walls rest directly upon, & their foundations abut, these subfloor foundations.

R. 186-3

Subfloor: W 1/3 of SW wall built upon partly razed earlier walls. Founda. of present NW wall, 10" below floor, abuts plastered lower SW wall. Latter continues subfloor into R. 187.

Protruding  $\leq 1$ " from present SW wall 47" fr. W. cor. & just under R. 186 floor, is partly razed outside corner of earlier R. 267; left side extends S. under present W wall of R. 261 & right side continues subfloor under SE wall of R. 293. This lower corner & wall abutting it from W are both of superior late 3<sup>rd</sup> type or early 4<sup>th</sup> type masonry — laminate s.s. banded with thicker blocks dressed on face by packing.

The R. 267 corner stands upon an 11" h. founda., offset 3" @ 4'4" below R. 186 floor but lower 8" is apparent careless 18" extension of R. 267 N wall since masonry & founda. both break off @ 18". A. 4-6" layer of adobe flooring rounds up to wall plaster 38" below <sup>14" above founda. @ 4'4"</sup> room floor & a similar surface appears 6" higher @ 32". This latter surface @ same level as bottom of plaster on lower SW wall abutting from W.



## Room 186B.

Still standing: Most of SW wall;  $\frac{1}{2}$  of SE & small part of NW. SE wall stands 9'10" above floor offset with no ceiling poles evident.

Doors: In middle of NW & SE walls. Blocked door 25" w. formerly opened into R. 293 flush with W corner (sill 8'10" above R186A floor). Blocked by built-in section E cor. of R. 293 (?).

## Room 187.

(4 cards)

OK (Excavated by Hyde Exped.)

Measures: 13'10" on NE; 9'11" on SE; 12'9" on SW; 9'5" on NW. Floor to NW ceiling poles, 6'11"; to ceiling offset, 7'4". N. & E corners tied.

NW. & SE walls abut plaster on lower SW wall which is built mostly of dressed laminate s.s., chinked in 2<sup>nd</sup> type manner. This type stonework extends fr. apparent W. door jamb (5'8" fr. W. cor.) to W. corner where it rises 5' above floor; E. of the jamb same type stonework reaches only 20" above floor. Remainder SW wall, of dressed & unworked laminate s.s., is doubtless of 4<sup>th</sup> period construction.

Doors: In SE wall, 3'8" fr. E. cor. & 13" above floor, door 27" w. x 48" h., to 8-3" lintel poles, x 25" across sill. Rubbish filled door in NW wall, 3'6" fr. N. cor. & 15" above floor, is 27" w. x 47" h., to decayed lintels.

Ventilators: In NE wall, 6" fr. N. cor. & 4'6" above floor, formerly blocked vent., 11" w. @ top & 13 $\frac{1}{2}$ " w. @ sill x 11" h., to 2" lintel poles; 2<sup>nd</sup> vent., 2 $\frac{1}{2}$ " fr. E. cor. x 4'6" above floor is 11 $\frac{1}{2}$ " w. @ top, 13 $\frac{1}{2}$ " w. @ sill x 11" h., to 2" lintel poles, was also formerly blocked. Blocked vent. in SW wall, 4" fr. W. corner & 4'2" above floor, is 13" w. x 14" h. No vent. in E. end SW wall.

? Former door: In SW wall, W. jamb shows 5'8" fr. W. corner; E. jamb missing, sill covered by subfloor foundation. In R. 293 does not appear as door.

R. 187-A-v

Subfloor: SW wall masonry extends 3'7" below floor & rests on foundation, 13" h., inset 3"; plaster on wall face extends down 29" below floor. From point 19" below floor to base of SW foundation, debris of reconstruction lies next wall, sloping thence to middle of R.; above this debris, fill is mostly blown sand.

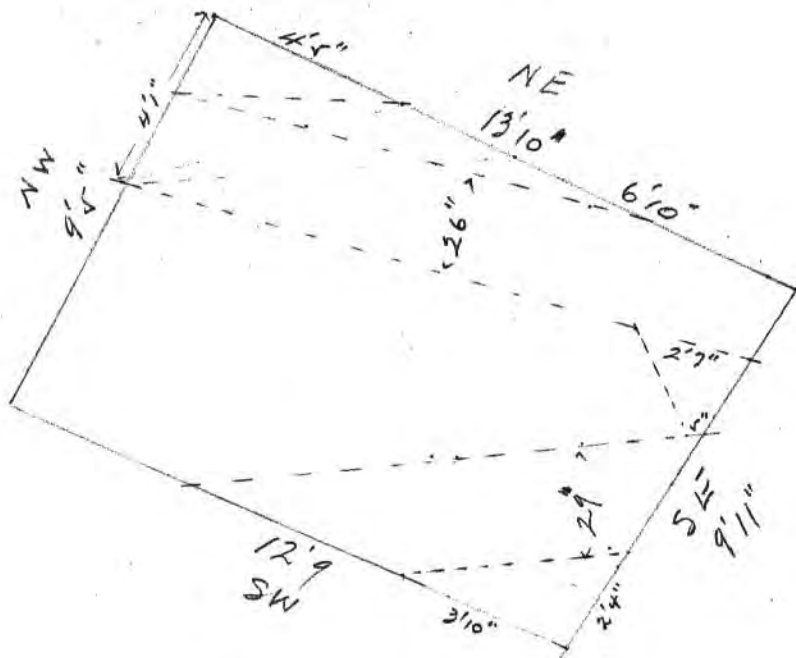
Base of NE wall @ floor level.

South face of subfl. foundation, 26" w. x 16" h. abuts NW wall founda. 5'4" fr. W. cor. & passes under SE wall 8'3" fr. S. corner. Similar founda. abuts N. face of this founda. under NW wall & passes under NE wall 4'5" fr. N. cor. NW wall rests upon these 2 subfl. structures, @ floor level; NW wall has founda. 16" h., inset 2".

North face of 2<sup>nd</sup> subfl. founda. 29" w. x 18" h. & built of friable s.s., mostly unworked, abuts plastered SW wall 5" below floor level & 4'3" fr. W. corner; passes under SE wall 4'6" fr. E. corner.

Next this subfl. founda. occupying S. cor. is rock fill - perhaps similar foundation; on its N. side, 5" fr. SE wall, is W. face of founda. that abuts S. face of 1<sup>st</sup> subfl. founda. above mentioned 2'7" fr. SE wall

187-3



R. 187-B. - \* (R-187.4)

10/27/27

NGS  
repairs

Door in middle NW. wall - jamb repaired & lintels replaced by NGS. Door in middle SE. wall represented by lower 8" of S. jamb. Middle  $\frac{1}{3}$  of SW. wall missing but W. jamb of ventilator shows about 5" fr. W. corner. East  $\frac{1}{2}$  of NE. wall missing. Ventilator @ W. end NE wall. East wall stands 10'8" from floor level to ceiling offset.

R. 187-C.

Door in middle NW wall. Ventilator @ W. end NE wall. NW. wall repaired @ 2<sup>nd</sup> story ceiling level & 2<sup>nd</sup> story ceiling beam replaced by NGS. Broken E. wall stands 8'8" from ceiling offset.

Room 200 (2 cards)

6/16/21

In outer tier, NW. sect.; not previously excavated.

Measures: N., 10'6"; E., 6'; S., 10'; W., 5'11". Floor to burned ceiling poles @ W. end, 9'10".

Masonry: Dressed blocks of soft, friable sandstone chinked with numerous small chips; i.e., 2<sup>nd</sup> type. Walls unplastered.

Doors: In N. wall, 4'7" fr. NW. cor., door 39" above floor is 22" w. x 31" h. It had been blocked & opened from outside for the 2 outer lintel poles were cut away with steel ax. Eight lintel poles av. 2" dia. In E. wall, 25" above floor & 26" fr. SE. corner, is door 21" w. x 32" h. & 17" across sill. It had 6 lintel poles of which one is now missing; the others much decayed. In S. wall, 20" above floor & 3'10" fr. SW. corner, is door 17" w. @ lintels, 20 $\frac{1}{2}$ " w. @ sill x 33" h. & 19 $\frac{1}{2}$ " across sill. Lintel formed of 8 - 2" pine poles. In W. wall, 22" above floor & 26" fr. NW. corner, is door 20 $\frac{1}{2}$ " w. x 35 $\frac{1}{2}$ " h. & 16" across sill. Lintel probably consisted of 8 poles; of these, 3 now remain the others having been removed during earlier excavations of unnumbered room next on west.

R. 200-v

Fill consisted of fallen wall material & blown sand. In lower 4 ft. was quantity of dressed ceiling willows (mostly broken) & cedar bark. Also a few artifacts noted in catalog.

Subfloor test in SE. corner to depth of 2 ft. shows clean hard sand with an occasional sherd. Two obsidian arrowheads found in this hole. Foundation of N. wall is 9" h. & offset 10". Below it is clean, blown sand with an occasional sherd but no charcoal. Foundation of unworked sandstone in abundant adobe.

R. 200 B - N. wall fgt. @ NW. cor., is 8'6" fr. floor offset to ceiling.

R. 200 C - N. " " " " still stands 4'6" above floor level.

Room next on W., unnumbered, is identified by Pepper's photo as his "Dark Room."

## Room 201

6/19/21

In NW. sect., S. of R. 200 & N. of R. 6; not previously excavated.

Measures: N., 9'10"; E., 21" @ bottom & 29" @ top; <sup>9'10"</sup> W. end, 18" @ bottom & 30" @ top. Ceiling level not determinable. (9'c)

Masonry: S. wall of old 1<sup>st</sup> type - outer wall of R. 6, thicker @ bottom than @ top - composed of large slabs of s.s., chipped @ edges, in abundance of adobe. Other 3 walls of 2<sup>nd</sup> type - dressed blocks of friable s.s., chinked with small chips. East & W. walls about S. wall & conform to its irregularities. Walls now stand 8'6" h.

Door in N. wall 23" above floor & 4'5" fr. NE. corner is 16" w. x 31" h. 18" across sill.

Fill: Room completely filled with fallen masonry & blown sand. In this were many fgt. of dressed willows & cedar bark from ceiling.

Room 202. (3 cards)

6/9/21

In outer tier, NW. sect., betw. Rs. 200 & 204; not previously excavated. Measures: N., 10'5"; E., 6'5"; S., 10'4"; W., 6'2". Highest standing wall, on S., is 8'9"; ceiling level not determinable. (9'10" e)

Masonry of 2<sup>nd</sup> type — dressed friable s.s. with much chinking. No trace of plaster. All corners tied. E. end of N. wall, fallen outward.

Doors: In N. wall, 30" above floor & 3'10" fr. NW. cor., is door 28" w. x 37" h.; it had been blocked; frags. of pole lintels still present.

In E. wall, partly destroyed door is 24" above floor, & 23" fr. SE. corner.

In S. wall, 22" above floor & 5' fr. SW. corner, is door 21" w. x 33" h. & 17" across sill; its lintel consists of 6 poles, slightly charred.

In W. wall, 24" above floor & 26" fr. NW. corner, is door 22" w. x 32" h. with pole lintels. This door filled with debris of room.

Recesses: 2 each in N. & S. walls. In S. wall, (1) <sup>37" from SE cor.</sup> <sup>23" w. x 16" across</sup> <sup>21" fr. SE cor.</sup> <sup>21" w. x 5" h.</sup> door & 5'7" above floor; it measures 4" w. x 3" h. Second <sup>27" fr. W. of</sup> door & 5'5" above floor; it measures 3" w. x 5" h. Those recesses in N. wall are about of same size & opposite those in S. wall.

Other pole  
recesses

R. 202-2

Fill consisted of fallen masonry & blown sand. Dressed wall stones re-erected directly on floor with dressed willows & cedar bark above them thus indicating upper stories had fallen & crushed ceiling of R. 202. Beam frags show they extended N-S. across room. Small quantity of ashes in middle floor had not turned adobe; no fireplace. Among fallen masonry in this room was a block 8" w. x 21" l. x 1 3/4" th., chipped roughly to represent arrowhead. A pointed end on the unworked slab probably suggested this fancy to one of the builders.

6/24/26

Subfloor: N. wall had settled outward leaving sunken strip along its base. Excavation shows foundation 2'6" h. with room floor 8" above top of foundation; built against top of latter is offset 10" w. x 1' h. South wall foundation, 20" h., composed of rough laminate blocks, some few of which are dressed on face, set in abundant adobe & resting on stratified blown sand containing occasional spalls, potsherds, & bits of charcoal.

R. 202-3

9/10/25

Test hole against outer N. wall of R. 202 is continuation of West Court Trench. Foundation 28" h. is set <sup>inset</sup> back 5" from face of wall & rests on blown sand containing clay laminae, bits of charcoal & clay pellets. At foundation level & above are chunks of adobe & stone spalls - debris of construction. Exposed N. wall stands 8' above foundation; was completely concealed by fallen masonry & blown sand removed in 1924.

Room 203.

(2 cards)

6/9/21

In NW sect. between R. 202 & R. 4-5; not previously excavated.

Measures: N., 10' 1"; E., 22" @ floor & 33" @ top; W., 20" @ floor & 25" @ top. Highest standing wall, @ N., is 8' 9". (9' @ ceiling 9' 6" @

Masonry: South wall of 1<sup>st</sup> type - large slabs of laminated s.s., sometimes chipped on edges, in abundance of adobe. Other 3 walls of 2<sup>nd</sup> type masonry - dressed, friable s.s. with much chinking. East & W. walls about 5'; NW. & NE. corners tied. Lower 2/3 of S. wall <sup>slanted</sup> settled 5' 4".

Door in N. wall, 20" above floor & 4' 10" fr. NW. cor., opens into R. 202. Is 18" across sill & 33" h.

<sup>Pile seatings</sup>  
~~Recess~~: 1 in S. wall 16" fr. SE. cor. & 5' 2" above floor is <sup>slanted</sup> 5" w. x 3" h. x 19" deep. Opposite this, in N. wall 37" fr. NE. cor. & 5' 4" above floor, is recess 5" w. x 4" h. connecting with similar hole in R. 202.

Fill consisted of fallen masonry. In this, dressed willows & cedar bark from ceiling.

R. 203-r

2/22/26

Subfloor tests show N. wall foundation, 17" h. with a 10" offset, lying @ an av. of 12" from plastered 1<sup>st</sup> type. S. wall, resting on a 3' accumulation of blown sand containing bits of charcoal, clay laminae, occasional spalls & sherds. Plaster on S. wall <sup>beginning</sup> ends @ base of this accumulation, 3' below N. wall foundation; <sup>4" below R. 203</sup> below this level, S. wall masonry is unplastered & slopes in 15" from perpendicular <sup>(9 23)</sup> to form an apparent foundation 3' high. This lower masonry, of rough laminate slabs with a few of undressed friable s.s. blocks, <sup>in abundant slabs,</sup> rests on <sup>7" below R. 203</sup> clean blown sand; 6" above base of foundation is an abutting 5" layer of fine gravel or coarse sand that increases in thickness to 17" @ point 2' 10" from wall.

Room 204

6/19/21

In outer N. tier between Rs. 202 & 206; N. of R. 205. Not previously excavated.

Measures: S., 10' 2"; W., 6' 7". NW. corner fallen outward.

Masonry is of dressed, friable s.s. blocks chinked with numerous small, thin spalls; i.e., 2<sup>nd</sup> type stonework.

Doors: Only preserved door, in S. wall, is 21" above floor & 4' 2" fr. SW. corner; it is 13 1/2" w. @ top & 17" w. @ sill x 2' 7" h. & 19 1/2" across sill. Rintel formed by 8 pine poles, av. 2" dia.

Door in E. wall, 23" fr. S.E. corner, <sup>21" above floor</sup> was 35" h.; door in W. wall, 23" fr. SW. cor. & 24" above floor, was 23" wide. Broken walls precluded other measurements.

<sup>clay & pole remains</sup> ~~Recess~~ in S. wall 5' 6" above floor & 18" fr. SW. corner is 3 1/2" w. x 4 1/2" h. x 6 1/2" deep.

Finds: Besides cataloged objects, 2 squash seeds & 2 small concretions of rough, brown s.s.

No subfloor tests.

## Rooms 205-208

In outer N. tiers of ruin; NW. section. Not excavated.  
North wall of Rs. 207 & 208 had fallen outward. This  
debris, with accumulated blown sand & the ~~kitchen~~  
~~erect~~ <sup>1877</sup> ~~by~~ <sup>stone</sup> ~~for~~ ~~Pepper's party~~, was removed in 1924.

## Room 209 (2 cards)

148

6/10/21

In outer N. tier between R. 14b. & unexcavated R. 208; north of R. 304. Previously unexcavated altho a small amt of debris had been removed thru E. door before latter was blocked by Hyde Expedition.

Measures: N., 11'9"; E., 6'2"; S., 11'6". West 2/3 of N. wall & adjoining portion of W. wall had fallen outward. Charred beam ends show in N. wall 8'9" above floor. This E. 1/3 of N. wall has settled outward 5" @ ceiling level; E. wall cracked above door.

Masonry: of 2<sup>nd</sup> type; i.e., friable s.s. blocks, dressed on face, & chinked with numerous small, thin spalls. No trace of plaster.

Doors: In E. wall 20" above floor & 26" fr. SE. cor., door measuring 25" w. x 33" h. had been blocked from R. 14b. during use of latter as kitchen by Hyde Exped. Five pole lintels visible. Door in S. wall, 28" above floor & 5'7" fr. SE. corner, is 15" w. @ top & 20" w. @ sill x 32" h.; has 5 pole lintels, charred on under side. Door in W. wall 29" fr. SW. cor. & 21" above floor. Probable blocked door in middle N. wall.

<sup>Pole setting</sup>  
Recess in S. wall 2'9" fr. SW. cor. & 5'7" above floor measures

5" w. x 5" (?) h. x 6" deep.

clothes pole  
padding?

R. 209-v

Fill: Drainage of rain water into R. 209 had deposited 18" of stratified sand across E. end; this diminishes in thickness toward W. end of room. Ceiling had collapsed on sand fill & there burned as evidenced by reddened deposit. Above fallen timbers, fallen masonry to present wall height. In front of E. door & resting on sand fill was a fgt. of sawed board with knife cuts & 2 nail holes, dropped before door was blocked by Hyde Exped.

Finds: Among remains of ceiling timbers were several curved sticks with others attached (miniature bows & arrows?) & yucca cord fgt. Uncataloged material: several sherds, 2 manos, 1 hammerstone; 3 charred corn cob fgt.; 1/2 dressed door slab.

Subfloor: Apparent earlier foundation now supporting E. wall shows its W. face 13" fr. NE. corner & 21" fr. SE. corner; extends under S. wall.

(3 cds)  
Room 210

~~Probably~~ Pepper's R. 18 wrongly located on his ground plan. \*R. 19 is N of & adjoins R. 18" (p. 89) 6/9/21

At outer NE. corner of Kiva 16 square. Previously cleared but neither described by Pepper nor shown on his ground plan.

Measures: E., 5'; S., 37"; W., 7'; N., 6'7" across concave face. From NE to SW. cor., 6'11"

Masonry mixed; walls plastered & whitened. N. wall is of old 1<sup>st</sup> type masonry, concave & obviously rebuilt. E. wall of good 3<sup>rd</sup> type masonry & partly tied with No. W. wall (outer E. side of Kiva 16 square) built of dressed friable s.s. with single rows of laminate s.s. chips between & thus conforms with 3<sup>rd</sup> type masonry of Kiva 16. W. wall abuts 6 heavily smoked coats of plaster on old N. wall. S. wall & outer face of E. wall are of banded 4<sup>th</sup> type stonework.

Doors: In S. wall, 11" fr. SW. cor. & 25" above floor, is door 20" w. with thin s.s. sill 19" across. Lintels broken out. N. door, 19" w. x 26" h. & 14" fr. NW. cor. <sup>18" above fl.</sup> had been blocked to leave ventilator 12" h. & using orig. door lintels. E. side broken out.

(sect) 1<sup>st</sup> type subfloor kiva  
R. 210-2

of R. 210,

Subfloor kiva: E. wall foundation, 22" h., juts av. of 4" & rests upon repeatedly plastered & whitened bench of razed 1<sup>st</sup> type kiva. Kiva wall razed to within 19" of bench @ S. end & 22" @ N.; av. 25" thick. Rebuilt N. wall of R. 210 <sup>had been</sup> ~~was~~ part of this kiva. Plastered bench face passes under E. wall of 210 4' 2" fr. NE. cor. & under W. wall 2' 9" fr. NW. corner. Here, @ NW, W. wall <sup>of 210</sup> lacks foundation & its masonry comes to within 9" of kiva bench; E. side of a razed masonry pilaster abuts kiva wall 10" fr. NW. cor. <sup>of R. 210</sup> & ends 4" fr. edge of bench directly under N. wall of room. Pilaster masonry = small laminate s.s. blocks + chinking. Indicated floor dia. 19'.

reb. back  
pilaster

Outside R. 210 its S. wall foundation, 19" h., stands on whitened kiva bench <sup>to</sup> height of razed kiva wall; both <sup>kiva</sup> wall & S. foundation <sup>of 210</sup> are immediately overlain by broken pavement 19" below doorsill. Face of kiva bench, 28" h. x 37" w., <sup>emerges from</sup> ~~passes~~ under S. wall of R. 210 @ point 36" fr. W. wall & was razed

R. 210-3

10" fr. latter & 6' 9" fr. R. 210. Here S. wall foundation overlies all but 9" of a masonry pilaster. Old kiva floor lies 5' 7" below S. doorsill. (3' 6" below R. 210 floor)

reb. type (?)

Standing on kiva floor, abutting & overlying its bench, is a laminate s.s. wall 24" w. x 48" h. — The apparent continuation of R. 210 E. wall foundation since it emerges from under R. 210 35" fr. its outer SW. cor. & passes under kiva 16 square 49" S. of same corner. Here kiva 16 E wall foundation stands upon old kiva floor, abuts the 2 x 4' wall & apparently was discontinued 4 1/2' further, @ 9' 9" fr. outer SW. cor. of R. 210. Pavement fronting R. 210 S. door overlies this 2 x 4' founda. as well as the razed kiva wall.

E. of R. 210 the plastered & whitened outer curve of the 1<sup>st</sup> type subfloor kiva passes under W. side of R. 310 (outer E wall of R. 19) @ point 7' 3" fr. its NW corner.

Room 211 (R. 17) <sup>10/1</sup>

6/19/21

At N. end of room row connecting Kivas A & 16; is Pepper's R. 17, incorrectly located on his groundplan. Comparison of reexcavated room with Pepper's descrip. & photo<sup>\*82</sup> leaves no doubt.

Measures: N., 5'8"; S. wall missing. Room length, approx. 16'. Highest standing wall, on W., is 5'4".

Masonry: N. wall, of fine laminate s.s., is 4<sup>th</sup> type construction; N. 1/2 of W. wall is 3<sup>rd</sup> type with remainder 4<sup>th</sup> type masonry; E. wall is banded 4<sup>th</sup> type on outside but 3<sup>rd</sup> type within room. West foundation is offset 4"; E. foundation set out 16" from wall.

Fill: Room was partly filled with fallen masonry. In this we found but did not save; 2 manos, 3 hammerstones, small lot misc. sherds, unworked bird & mammal bones.

Subfloor: The subfloor passage noted in R's 27, 212, etc. continues into R. 211. Westernmost of the 2 subfloor walls, 18" w., abuts N. wall foundation 12" fr. NE. corner; passage is 27" wide & W. face of the 2<sup>nd</sup> subfloor wall passes under E. wall @ its S. end.

Room 212

6/19/21

At SE. 1/4 of Kiva Q, in series separating N. ends of E. & W. Courts. Not shown on Pepper groundplan; not previously excavated.

Measures: S., 6'4" wide; probable length, 9'. North end of room missing; S. wall now stands 3'10" h. & shows traces of plaster.

Finds: S. half of ~~room~~<sup>floor</sup> covered to depth of 8" with potter's clay; bordering this pile as tho to retain it were 29 manos <sup>& rubbing stones</sup> of various sizes & degrees of wear, plus 22 reused mano frags. These mostly of fine-grained sandstone. Also, 1 quartzite hammerstone. No metates in room. Potsherds also. Only a few of these finds were retained for the collections.

Subfloor walls noted in R. 27 continue into R. 212, forming passage 24" wide. Westernmost of the 2 is 18" w. & passes under S. wall 8" fr. SW. cor.; @ N. end of room it is 13" w. & ~~passes~~ 19" fr. approx. NW. corner. At NE. corner of room, E. subfloor wall is 15" w. & apparently of 3<sup>rd</sup> type (2-B) construction. East wall of R. 212 rests on outer 3" of this latter subfloor wall. Between the subfloor walls frags. of a coiled pot were found.

Room 213

2 eds.

7/3/21

At SW corner Kiva A; not previously excavated.

Measures: W., 12'3" to Kiva A curve, here 35" th.; S., 10'5"; E., 3'6" to Kiva A curve, here 3'9" th. Highest standing wall, on S., 28".

Masonry: Indeterminate; includes both laminate & dressed friable s.s. S. wall abuts E & W; S & E <sup>built on floor</sup> lack foundations, built on floor. E wall <sup>3 1/2'</sup> overlies near 12" of Kiva A curve. W masonry begins @ floor level but rests on rough 27" h. foundation built upon 11" of good laminate stonework without foundation. Floor level is above that of West Court. E side former W Ct.?

Fill: Fallen masonry & blown sand. S. wall only 28" h. Few sherds recovered.

Subfloor: Incorporated in S. wall 6'2" fr. SW corner is S jamb of former door in subfloor continuation of wall between R. 214 & 215. Sill slab, 18" across, still in place; below it, 7 1/2" 17" of plastered masonry to a 9" w. offset topping a 15" high course of plastered stonework, apparently 3<sup>rd</sup> type, razed 5'6" fr. S. wall upon construction of Kiva A. Against this subfl.

R. 213-2

32" is semi-oval, slab-lined fireplace 26" N-S x 14" x 7" deep. A later floor on E side of subfloor wall, 20" below that of R. 213 & covered with mixed debris of occupa. & reconstruction, continues beyond both E & S walls.

Abutting W side of 213 is sandy pavement 38" below floor level, covered by debris of reconstruction. Pavement may be work surface since 4" above it, or 34" below R. 213 floor, is a 17" w. wall emerging fr. under S. side 21" fr. SW cor. & razed 9' to N upon construction of Kiva A. At N end of this razed wall is 30" E-W section of rough stonework tying both with W wall founda. & convex Kiva A curve.

Both E & W walls & subfl. fr. R. 214 were razed acc'd Kiva A.

# Room 214.

7/3/21

S.W. of Kiva A, between Rs. 213 & 144. Not previously excavated.  
Measures: S., 5'11"; W., 5'7"; E., 5'11"; highest standing wall, in SE cor., 6'5". Est. ceiling height, 7'.

Masonry: 3<sup>rd</sup> type, plastered. North end, finished outside only, abuts E & W. South end abuts W side; ties with E.  
 Floor level 18" above outer W side founda.; 13" above last W. Ct. surf.

Fill: Debris of reconstruction surrounding & covering minor walls without significance. One, 8" h. x 16" w., abuts W ~~side~~ <sup>wall</sup> 23" fr. SW cor., & extends 31" into room, ending 28" fr. S. side. Above it is another, also crudely built, 15" h. x 8" w. @ W end; 4" @ E as it abuts both sides of room. A 3<sup>rd</sup> wall, likewise crude & only 8" h., rests upon 6" of adobe ~~fgts~~ <sup>fgts</sup> overlying the second structure. Above on both sides are adobe chunks & <sup>3.5</sup> spalls fr. razed walls.

# Room 215 <sup>2 cards</sup>

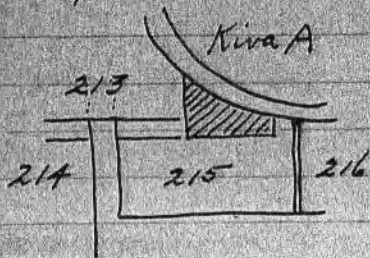
7/3/21

At SW. cor. of Kiva A, E. of R. 214 & N. of R. 219. Not previously excavated.

Measures: N., 9'; E., 5'4"; S., 9'7"; W., 5'6". Highest wall, on S., is 4'4".

Masonry of 3<sup>rd</sup> type - dressed blocks of friable ss. in bands between sections of small laminate fgts. Small chips from chinking under dressed blocks. Walls plastered & whitened with powdered sandstone such as that found in R. 27. East wall a thin, rude partition.

Doors: Probable former door in N. wall indicated by break in masonry 10" fr. NE cor.; E. wall continues across probable sill to N. side of N. wall. Second probable N. door evidenced by finished corner, 31" fr. NW. cor., flush with inner E. wall of R. 213. Masonry fill occupies this section.



Fill: Of fallen masonry & blown sand. In this a small quantity of sherds was found.

Subfloor: Rough, unfinished E. wall abuts whitened plaster on S. wall; latter continues to a 3" offset 34" below room floor & base of E. wall. An earlier floor is noted 5" below that of room; a 3<sup>rd</sup> floor, at depth of 31", is overlain by debris of reconstruction.

R. 215-2

The 10" th. masonry walls of a huge fireplace, 43" E-W. x 39" w. x 40" d., lie 8" below 3<sup>rd</sup> floor. Slabs on edge reduce above dimensions by av. of 2" on each side. Inner SE. cor. of pit is 7" fr. E. wall of R. 215. 5' 16" from its SE. corner; inner SW. cor. lies 11" fr. S. wall of R. 215. Pit is plastered inside; both plaster & masonry burned. Pit filled with burned sand mixt with particles of charcoal. Resting on SE. cor. of pit & immediately underlying 3<sup>rd</sup> floor note, is 14" h. section of partly razed wall 4" th., finished S. face of which passes under E. wall of room 18" from its SE. corner.

Adjoining fireplace on W. is another of comparable size; its masonry walls are plastered inside & burned. Pit measures 37" E-W. x 35" x 36" d.; ~~its floor lies 5' 7" below latest floor of R. 215.~~ Inner NW. cor. of pit lies 28" fr. S. wall of R. 215 foundation of which extends down 17" within pit. Latter filled to depth of 16" with sand burned purple & containing bits of charcoal. Above this sand was debris of occupation mixt with stone spalls & containing late coiled & hachured sherds. Coiled sherds predominate.

## Room 216

7/3/21

At S. of Kiva A, between R. 215 & 217. Not previously excavated. Measures: N., 5' 7"; E., 4' 6"; S., 4' 11"; W., 6'. Kiva A. curve forms N. wall. Highest standing wall, on S., is 3' 8". (T.E.)

Masonry is of 3<sup>rd</sup> type. Rooms 215 & 216 were formerly one; now separated by rude wall, built largely of salvaged blocks of dressed, fusible s.s. & rests, without foundation, @ floor level. East & S. walls had been plastered & whitened; no plaster on W. wall. At end of W. wall, Kiva A. curve is 34" th.; 6" below floor level it is 4" thicker. North wall missing to floor level of room.

Fill: Of mixt debris of occupation & fallen masonry. In this a few misc. sherds & 2 hammerstones were found but not saved.

Subfloor: Rude masonry wall, 8" th., plastered & smoked, emerges from under SW. cor., extends thence 18" NE. to an angle 51" fr. SE. cor. of R. 216; thence N. 16" to a point 34" fr. SW. cor. & 8" fr. W. wall; thence E. passing under E. wall 39" fr. SE. corner. Top of this partly razed wall is 27" below floor of R. 216; its related floor not exposed.

Room 217

2 ~~3~~ cards

7/3/21

At middle S. side of Kiva A. Not previously excavated.

Measures: <sup>N. 13" E.</sup> E, 6'11"; S, 14'5"; W, 4'4". Highest wall, on S, 2'6".

Masonry of 3<sup>rd</sup> type, i.e., thin laminate tablets & bands of thick, dressed, friable s.s.; few evidences of chinking. Most of wall plaster now missing; smoke stains show on that @ E. end of S. wall. North wall, formed by Kiva A curve, has fallen away to depth of 18" below R. 217 floor level. West wall, without foundation, stands @ floor level & rests on debris of reconstruction which abuts Kiva A curve, here 33" thick.

Fill of fallen masonry & blown sand with small quantity debris of occupation. In this, 1 ft. of metate; 2 manos; misc. sherds.

Doors: In S. wall, 5'6" fr. SW. cor. & 13" above floor, blocked door 23 1/2" w. formerly opened into R. 220. Second S. door, @ floor level & 8" fr. SE. cor., was 24 1/2" w. & once opened into R. 221; it had been neatly blocked & plastered over. Door in E. wall, @ floor level & 3' fr. SE. cor., was 26" w. & opened into R. 218; N. side this door now marked by single course of masonry.

R. 217 - 2

8/10/25

Subfloor: Earlier floors or occupa. levels @ 7 1/2", 16", 22" <sup>down to</sup> 28" & 32". Convex curve of Kiva A is uniform 3<sup>rd</sup> type masonry, to surface @ 22"; rough & uneven below. E. founda., only 2 courses high, based 5" below floor. On 7 1/2" level, slab-lined fireplace ca. 12" sq. x 10" d., half underlies W wall 20" fr. SW cor.

Plastered 3<sup>rd</sup> type masonry of S. wall continues to surface 3' below floor & there stands upon its 6" h. founda. This latter abuts & overlies a rough stone wall, 9" th., plastered & smoked on E face only, that emerges fr. under S. wall 4' fr. SE corner to meet a like wall 15" th. that parallels S. side of room @ 8" & goes under E wall on surface @ depth of 39".

A 2<sup>nd</sup> plastered wall, av. 9" th., emerges fr. under S. side of 217 @ 7' fr. SW cor. extends N 4'9" & was razed 6'11" fr. W. side appar. on construct. of Kiva A. Its assoc. S. side, plastered & smoked, parallels S. wall of 217 @ dist. of 6" on a floor @ depth of 7'6" & was razed @ height of 5'2" perhaps when R. 217 S. wall was built. These lower 9" walls resemble C.B. stonework but are superior.