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Stone Exposure Test Wall



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Building Materials and Structures Report 125

BUILDING MATERIALS AND STRUCTURES REPORTS

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Stone Exposure Test Wall

Daniel W. Kessler and R. E. Anderson



Building Materials and Structures Report 125

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Foreword

The exposure test wall was built at the National Bureau of Standards in connection with a long-time project to study the action of various weathering agents affecting stone masonry. The project is a cooperative investigation between the National Bureau of Standards and Committee C-18 on Natural Building Stones of the American Society for Testing Materials.

This report sets forth problems on weathering, discoloration, and certain construction features. The four tables will serve as a permanent record of the individual samples in the wall. It is proposed to make detailed studies on the various materials as weathering becomes apparent and to issue additional reports when the data are available.

E. U. CONDON, *Director.*

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Stone Exposure Test Wall

Daniel W. Kessler and R. E. Anderson

A test wall was built at the *National Bureau of Standards* during the months of September, October, and November 1948 in a plot set aside on the Bureau grounds for weathering tests of structural materials. The wall contains 2,059 samples of stone in the front, or south face, and 293 in the back and ends; of these, 2,032 were domestic stones supplied by 47 States, and 320 were foreign samples supplied by 16 countries.

Stones in the east half of the south face are set in lime mortar with the exception of those in the base. All other stones in the wall are set in a portland cement mortar with a small addition of whiting. The core of the wall is of concrete, reinforced with steel bars.

The wall contains 30 distinct types of stones, some of which are not commonly used for building purposes. There are many varieties of the usual types, such as marble, limestone, sandstone, and granite. The variations in composition or physical properties, such as strength, porosity, and density, will be of value in studying the relation between such properties and weather resistance.

The main problem is to determine the nature and relative severity of the various agents that cause deterioration and how they affect different stones. Certain structural features of the wall, such as length changes, warpage, back waterproofing, and grade waterproofing, are being studied in relation to weathering and discolorations on the stonework.

Each block is identified by a number determined by its position in the wall. This eliminates the necessity of frequent relabeling. The various samples are described under the wall numbers in tables that give specific information on location of stone deposits, classification, color, texture, and geological age, when known.

1. Introduction

During the latter part of 1942, the National Museum in Washington, D. C. found it necessary to seek more working space, and it was decided to discard a large collection of building stones that had been assembled over a period of 60 years. A committee was appointed to consider whether or not any worthwhile use could be made of the collection. It was decided that a study of actual weathering on such a great variety of stones would afford valuable information. A plan was worked out for building a test wall at the National Bureau of Standards as a cooperative study between this Bureau and Committee C-18 of the American Society for Testing Materials.

The collection was stored at the National Bureau of Standards until the end of World War II, when the work of sorting, identifying, and trimming was started.

The sizes, shapes, and finishes were such that a great deal of time was required to recut many of the blocks before a logical design for the wall could be worked out. The original collection was supplemented with several larger blocks of granite, marble, limestone, sandstone, and greenstone supplied from present-day quarries. Test specimens¹ were cored or sawed from all of the new and many of the old blocks before the wall was built. These specimens were taken from the back portions of blocks, at least three inches from the

faces to be exposed to the weather. A considerable number of the original samples had rough faces that had to be removed. The cuttings were labeled and retained for future use in determining the nature of weathering processes.

The test wall was built at the National Bureau of Standards during September, October, and November of 1948 in a plot set aside by the Bureau for weathering tests of structural materials. Since the weathering of stone is usually a slow process, it is evident that the test should extend over a period of many years. The ultimate value will depend upon how future generations follow through in analyzing the results. The findings are expected to lead to the formulation of improved durability tests and specifications for masonry, which should result in more satisfactory buildings from the standpoint of economy and artistic appearance. Some useful information on discolorations and weathering of certain stones has already been obtained.

Aside from the objectives stated, this wall will serve to preserve a valuable collection of building stones, and the catalog of samples should be useful as a reference for builders in determining what kinds of stones are available in many localities.

2. Construction Features

The wall is approximately 37 ft. 9 in. long, 12 ft. 10 in. high, 2 ft. thick at the bottom and 1 ft. at

¹ In this report, each block is considered as a sample from a particular deposit of stone. Smaller pieces cut from a block for testing are called specimens.

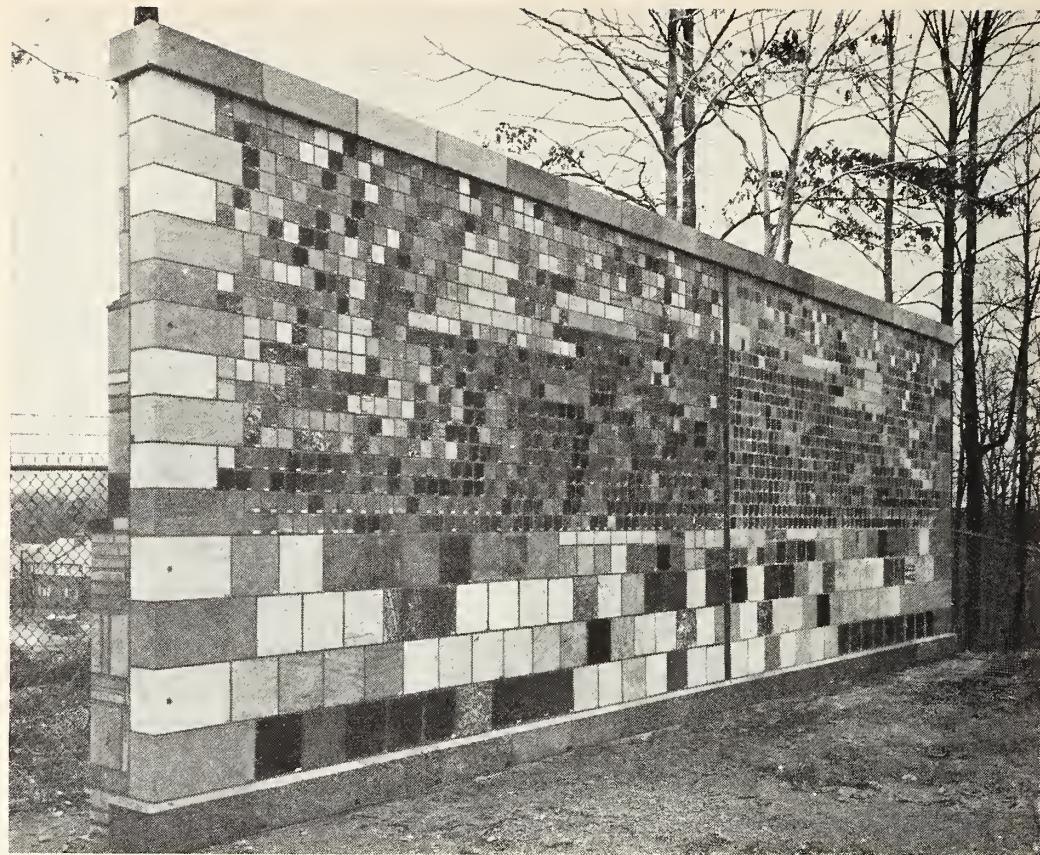


FIGURE 1. *South face and west end of exposure test wall.*
Photographed 1 month after erection.

the top. The south face, shown in figure 1, includes a granite base, limestone coping, marble quoins on the west end, and sandstone quoins on the east end. The photograph of the wall was taken 1 month after its completion, and shows the south face and west end. The stone facing varies in thickness, most of the blocks below course 5 being 5 in. or more thick and above course 4, 4 in. or less. The divider strip extends 8 in. into the wall. A record of the dimensions of all blocks in the south face is maintained in the files. The wall is built on a concrete foundation which extends 30 in. below grade. Grade waterproofings under the base course are (1) two layers of $\frac{1}{4}$ in. Virginia slate, laid with broken joints in cement mortar under base blocks 1B, 2B, 3B, 15B, 16B, and 17B; (2) one layer of 18-oz. copper under base blocks 7B, 8B, 9B, 10B, and 11B. Both slate and copper extend 18 in. into the wall and the intervening sections of the base course have no grade waterproofing. The stonework was built up in sections about 2 ft. high, after which the concrete backing was poured to this level.

The back of the stone facing above the copper grade waterproofing was treated with a brush coat of asphalt emulsion, which was allowed to dry before the concrete was poured. The concrete back-

ing was reinforced as shown in figure 2, and perforated 18-gage galvanized iron strips were used at frequent intervals to tie the stone facing to the concrete backing. The locations of these strips are also shown in these figures.

The stone-setting mortar used in the front of the wall was of two kinds. All stones above the base in the east half were set in a 1:3 lime mortar, using a high calcium hydrate. The other parts, including the stonework on the back of the wall, were set in a 1:0.4:3 portland cement, whiting, and sand mortar. All stones set in lime mortar were wedged at front and back to prevent settling and the wedges were left in place for about a week before removal. The consistency of the mortars was judged by the mason and both mortars had excellent workability. The vertical joints were poured full, and for these a creamy consistency was used. All joints in the south face of the wall were raked out to a depth of 1 inch before the mortar had set. After all stones in this part of the wall had been set, the joints were pointed with mortar of the same mixtures as those used in the setting, i.e., lime mortar for the right half and cement mortar for the rest. A pointing tool of rounded contour was used to obtain slightly concave joints.

The back of the wall has two set-backs, the tops of which are covered with thin stones forming water tables; the first, or lower table, with two varieties of sandstone flagging, and the second with 37 small marble slabs. Up to the first water table, the back of the wall is concrete except for 23 blocks of granite, which were set in the concrete when it was being poured. Between the first and second water tables, the wall is faced with sandstone and granite. Some of the stone facing on the back is of thin slabs for testing discoloration effects.

The ends of the wall are faced with sandstone, limestone, and granite of miscellaneous sizes and shapes. Under the vertical joints between the marble slabs forming the second water table, thin pieces of slate were set to prevent leakage and discoloration of the stone below.

Wherever metal strips were used to anchor the stone facing to the backing, they were set into the back parts of the stone joints with cement mortar like that used in the left half of the wall. It was necessary to build up the backs of a few thin slabs of stone facing with brick in order to support the thicker blocks above. The locations of these brick back-ups are shown in figure 2.

The wall was built by the Louis Perna Co. of Washington, D. C., with one mason, Vincent Di Benedetto, setting all the stonework. He was an exceptionally careful workman and took a special interest in doing a thorough job. William Amoroso, who had charge of the work, devised several experiments of his own on the back of the wall. The contractor supplied most of the stone for this face.

3. Orientation and Exposure Conditions

The wall faces south, and most of the stonework is exposed to sunlight except for a short time early in the morning and for a somewhat longer period in the afternoon, when it is shaded by trees.

The elevation of the test plot is about 400 ft. and the wall is near the top of a hill. Temperatures vary from -15° to 106° F, and the average annual temperature is about 56° F. Several days of snow and sleet may occur during 5 months of the year, the annual precipitation averaging about 40 in. Humidity is high during the summer months. The exposure plot is about 120 miles from the ocean, hence, salt air is not an appreciable weathering agent. There are few industrial plants within 40 miles, the immediate vicinity being mainly residential. Fuels used for domestic heating are mainly natural gas, oil, and coal. It is believed that the atmospheric pollution from these fuels constitutes an important weathering agent.

4. Arrangement of Stones in Wall

Most of the stones from the National Museum varied in size from 4- to 12-in. cubes. Figure 2

shows the general arrangement of different sizes, the larger blocks being placed in the lower courses and the smaller ones above. In order to add to the stability and appearance, a sufficient number of larger blocks were collected from present-day producers to construct a granite base with marble quoins on the left, sandstone quoins on the right, and a coping of limestone. As one feature of the test was to determine the performance of stone when set in two types of mortar, the wall was divided into two equal parts with a divider strip of greenstone. For these border blocks, stones from different districts were used insofar as this was feasible. Each block of granite in the base represents a different district, quarry, or distinct grade. The marble quoins represent 5 districts and 11 grades; the sandstone quoins, 7 districts and 9 grades; and the coping blocks 5 districts and 17 grades.

Above course 4, the stones were segregated as to type in order to study the effects of certain combinations. In the two upper end portions, the dolomites and magnesian limestones were used. Below these, calcitic stones were set. In a large area of the top central part, other calcitic stones were placed, and below them siliceous varieties were set in a large area. The stones were set in these combinations in order to study the effects of different mineral compositions on each other, particularly the effect on calcites set under magnesian stones and siliceous materials under calcites.

As a considerable number of colors occur in each type of stone, it was not possible to secure any logical color arrangement.

5. Problems under Study

A considerable number of problems involving weathering of various types and varieties of stone, as well as certain structural features of the wall, are being studied. Although all blocks in the wall are subjected to essentially the same external weathering, there are variations in the conditions resulting from: (1) the positions with respect to waterproofing materials, (2) the distance from the ground, (3) the distance from top or ends, (4) the setting of stones in different mortars. There are enough similar stones in various positions to throw some light on all of these problems.

In stone structures, two aspects of weathering are important: (1) color changes, (2) disintegration.

Colors may change because of fading or by becoming concealed by a weathered film on the surface. Discolorations that are caused by a deposit of grime on the surface or stains penetrating from external sources are not usually considered as weathering phenomena.

Among the more severe weathering agents that ultimately bring about deterioration are frost

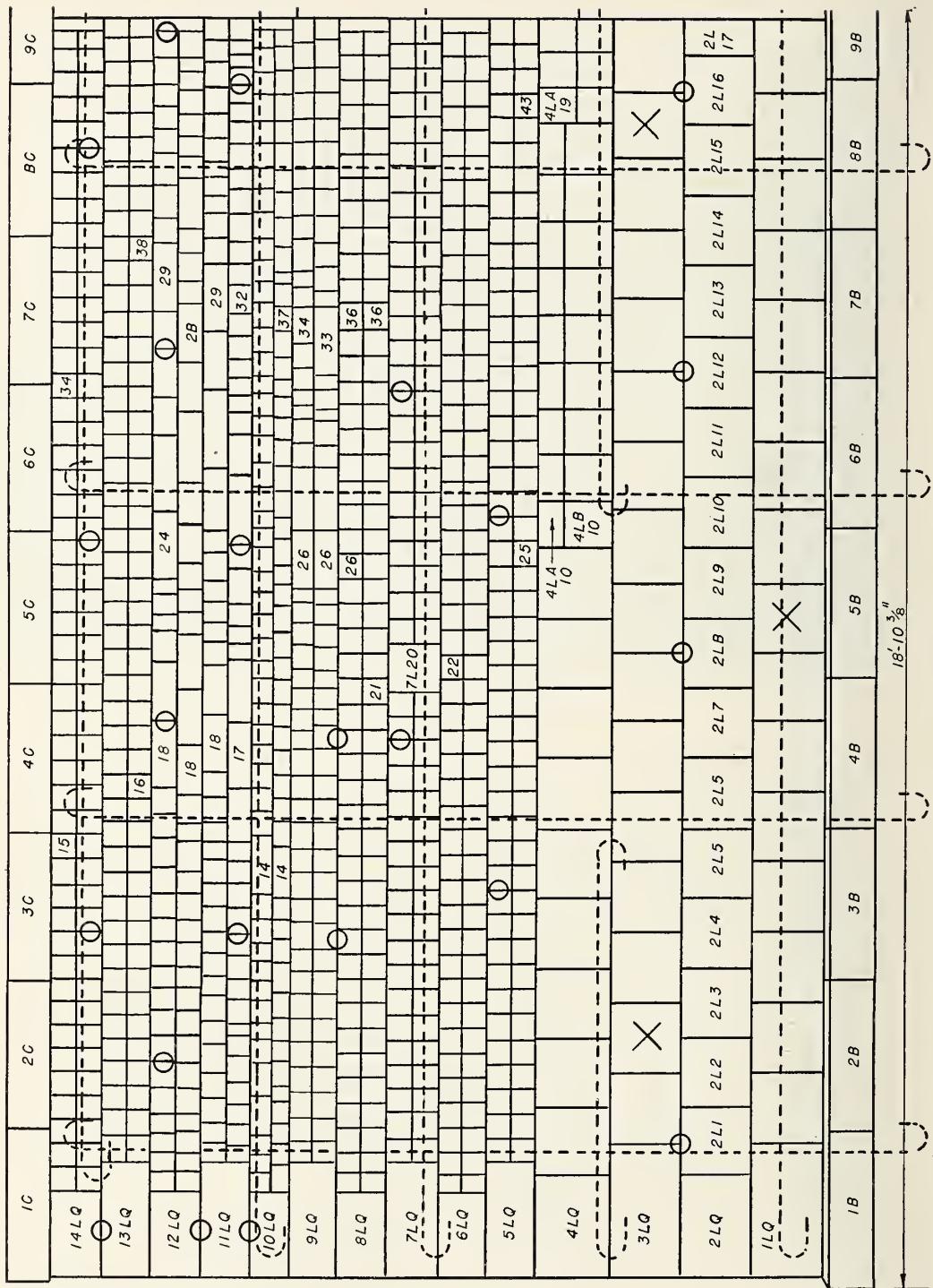


FIGURE 2.

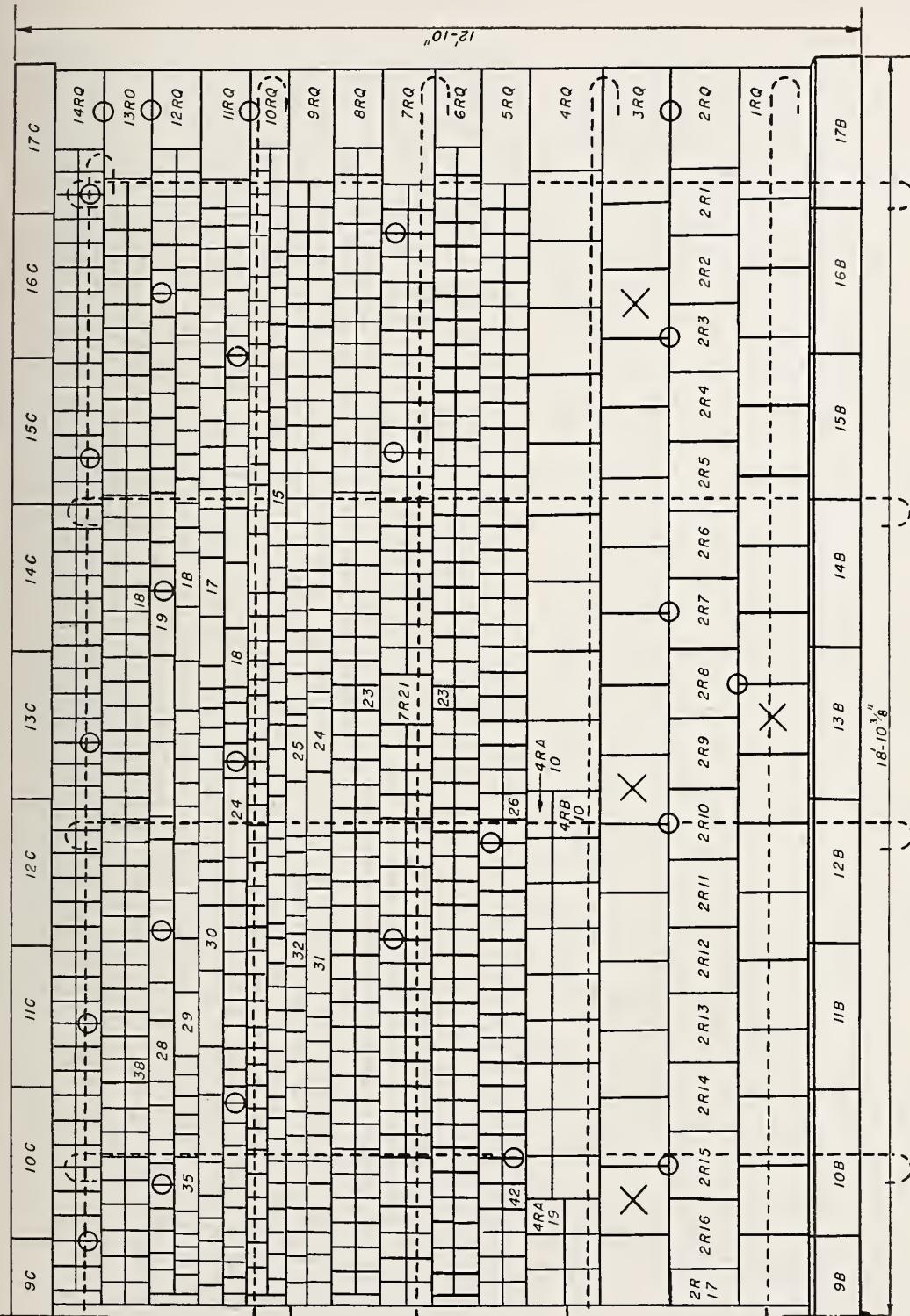


FIGURE 2.—Continued. Structural details of stone exposure test wall.

Reinforcing steel is shown by dotted lines as follows: Vertical bars are 1-in. deformed rods, and horizontal reinforcing is of $\frac{1}{2}$ -in. smooth rods. Circles show the position of metal anchors made of 18 gage galvanized 1 in. wide, punctured at ends and set in back strips of joints with portland cement, mortar, or concrete. Crosses on blocks in first and third courses indicate thin stones that were built up with brick on the back. Back of stonework under coping blocks 7C to 11C, inclusive, was coated with one coat of thinned asphalt emulsion down to and including base blocks 7B to 11B. Grade waterproofing is as follows: two layers of slate laid with broken joints under base blocks 1B to 3B and 15B to 17B, inclusive; 18-oz copper sheets 6 in. wide, punctured 6 in. apart, with joints lapped 6 in. under 7B to 11B, inclusive. Most blocks in first four courses are from 6 to 12 in. thick, smaller blocks are mostly 4 in. thick. Base course extends 12 in. into wall and divider blocks 8 in. Records are maintained of the dimensions of all blocks in the south face of the wall.

action, temperature changes, crystallization of salts in the pores, atmospheric acids and chemical alterations of the mineral constituents. Chemical changes that result in oxidation, hydration, or sulfation may cause expansion of certain mineral constituents and produce stresses within the stone. Temperature effects are believed to be important for certain crystalline stones that are composed of two or more minerals having different rates of expansion and also for those stones in which the minerals expand at different rates along different crystallographic directions. Differential expansions between surface layers and the stone at some depth beneath the surface due to moisture or temperature gradients are sometimes thought to accelerate deterioration.

Some of the specific questions that may be answered are as follows:

1. Does the presence of large pores in certain poorly cemented stones, like the shell stones, contribute to frost resistance?
2. Will the rather poorly cemented siliceous stones, like the tuffs, resist the weather conditions of a moderately severe and humid climate?
3. Do dense limestones suffer from the same kinds of weathering as more porous ones?
4. If frost action is the chief weathering agent for sandstone, does the amount of porosity determine the order of durability of such stones?
5. To what extent do the capillary properties of different stones determine the migration of salts in masonry?
6. To what extent does the presence of water-soluble salts in masonry affect different kinds of stone?
7. Does the composition or concentration of salts in masonry influence the rate of weathering?
8. If heating and cooling is the main cause of destruction in marble, do differences in the way individual crystals are joined together determine differences in durability?
9. If the acid condition of the air is the chief cause of weathering for granite, do slight differences in mineral constituents determine the order of durability for different granites?
10. What mineral constituents contribute to weathering by chemical alterations?
11. Do combinations such as calcites and dolomites in masonry result in more rapid weathering than when the masonry is all of one type?
12. What combinations of mineral constituents in stone are unstable because they undergo chemical alterations?
13. What is the nature and source of discolorations?
14. Do iron particles imbedded in the back face of thin granite veneer (deposited from the gang saws) result in discolorations of the exposed face in masonry?
15. To what extent does the nature of the setting mortar affect weathering and discoloration?

16. Does a grade waterproofing under granite near the ground prevent discoloration or weathering of the stone?

17. Does a water barrier between the stone facing and concrete backing reduce discolorations on the stone?

18. How effective is a thin piece of slate under vertical joints in preventing leakage and discolorations on the masonry below?

19. Does thermal expansion of blocks result in permanent or residual changes in dimensions of masonry?

20. Is stone at the corners of buildings subject to more severe weathering than in the center of a wall?

6. Methods of Study

6.1. Weathering Effects

Until weathering effects approach destruction, the studies will be confined to surface examinations. After deterioration reaches an advanced stage, the plan is to remove the affected blocks from the wall for various physical, chemical, and microscopic studies to determine the cause and extent of weathering. There is evidence that stones differing considerably in composition or physical makeup may suffer deterioration from quite different kinds of weather action. The most important phase of the study is to identify the principal causes of deterioration for different groups with respect to mineral composition, physical structure, porosity, capillary properties, etc.

6.2. Color Changes

Discolorations on masonry include the following variations: (1) accumulation of grime on the surface, (2) stains penetrating from exterior sources, (3) stains originating in the masonry itself, and (4) changes in color due to weathering processes.

It is expected that some useful information on these phases of the subject can be obtained by observations and comparisons. It may also be desirable to determine, by experiment, whether or not various kinds of discoloration can be easily removed.

A large portion of the stonework set in each kind of mortar was entirely free from stain although occasional blocks stained badly in a short period of time and streaked downward on the mortar and stones below. Such performance seems to indicate that the staining matter exuded from the stone. Where a sufficient amount of the original sample is available, experiments may determine what conditions will reproduce the stain. If the stain can be reproduced by leaching the sample with weak alkaline solutions, it will be evident that the staining matter is in the stone itself.

6.3. Dimensional Changes

There is evidence that thermal expansion may cause permanent increases in the over-all dimensions of masonry. In order to study the changes in dimensions of various parts of the wall due to weathering, reference plugs were set into the base, the coping, and courses 2, 4, and 9. The plugs are made of brass round, $\frac{1}{2}$ in. in diameter and 2 in. long, and are threaded the entire length. They are set with cement mortar into 1-in. holes drilled in the stone with a diamond-core drill. A $\frac{1}{8}$ -in. hole in each plug serves as a reference mark. The ends of the plugs are flush with the exposed face of the stonework, but the mortar holding them in place is recessed about $\frac{1}{4}$ in. Brass caps are used to protect the ends of the reference plugs. The length of the base course is carefully measured with a precision steel tape, and that of higher courses is obtained with a transit. The transit is set in front of each vertical line of plugs, leveled, and the vertical cross wire set on the left edge of the hole in the base plug. The telescope is then raised to each reference mark above, and the distances from the cross wire to the reference mark read on a millimeter scale. The lengths of the upper courses can then be computed. Comparisons of subsequent measurements with the original will show whether changes have occurred.

6.4. Warpage

If differential expansions between the facing and backing materials occur, the wall will probably warp. To determine whether warpage is taking place and to what extent, periodic measurements are being made. For this, a transit and two especially constructed pins, inserted into the holes of the reference plugs at the ends of course 2, are used. The smaller portion of each pin fits snugly into the hole of the reference plug and the larger, or projecting portion, is notched at a distance of $\frac{1}{2}$ in. from the shoulder that forms the junction between the two parts of the pin. The transit is set up in line with the notches about 15 ft. from one end of the wall. The vertical wire of the telescope determines a plane parallel to the face of the wall. A millimeter scale with the zero end held on the center of various blocks in courses 2, 4, and 7 is read through the transit and the distances recorded. Comparison of subsequent readings with the original indicates the amount of warpage.

7. Maintenance of Records

A sealed box, made of stainless steel, is set into a vault in the back of the wall for safe storage of records. In addition to the original records set forth in this paper, certain other information of possible use will be filed therein. Photographs of the wall, showing the original appearance by close-up views and color reproductions, as well as copies

of subsequent observations, measurements, and test data, will be stored in this box. Small samples of many stones in the face of the wall will be stored for future comparison with the weathered stones.

8. Catalog of Stones in Wall

8.1. Explanation of tables 1 and 2

The listing of domestic samples in table 1 is intended to facilitate the location of specific materials in the wall when the source and type are known. The arrangement follows the alphabetical order: first, of States supplying the samples; second, of types under each State; and third, of specific source names that are shown in column 1. The left (west) half of the south face is indicated in the wall numbers by the L and the right half (east) by R. The listing of foreign stones in table 2 follows the same arrangement. The foreign stones were more limited in number than the domestic, and no attempt was made to subdivide the countries into political subdivisions, although provinces are stated when known.

To identify a particular stone in the wall when the type and source are known, for instance, "Golden Vein Yule" marble from Marble, Colo., table 1 should be consulted by first locating the state, then the type (in this case marble) and finally under this type group, the name of the town that supplied the sample. Opposite the name of the town, six wall numbers appear, the last two being 1L13 and 1R13. The first number signifies the course, counting from the base upward, L13 indicates the 13th block from the left, and R13 the 13th block from the right. In counting from either left or right, the quoin (end stone) should be disregarded. The number of courses is determined by the quoins, there being 14 courses in addition to the base course and coping (top course). Above course 4, there are two rows of small stones to the course, the upper one being designated A and the lower one B. Thus, 5LA7 means the 7th block from the left quoin of course 5 upper row, and 6RB9, the 9th stone from the right quoin in course 6, lower row. Base blocks are designated 1B to 17B, numbered from left to right. The coping blocks are likewise designated 1C to 17C in the same order. Quoins on the left are designated 1QL to 14QL, and those on the right, 1QR to 14QR, numbered from bottom to top. The divider strips are called 1D, 2D, and 3D, from bottom to top.

An asterisk after the description of a stone indicates that it has been used for building or other purposes. Important trade names are stated and enclosed in quotation marks.

8.2. Explanation of table 3

To identify a particular stone in the wall when the type and source are not known, it will be necessary to determine the wall number by actual

count. When this number is found (e.g., 7RB35), table 3 should be consulted. This number can be found easily, because the courses and wall numbers are listed in sequence. Opposite the wall number the designation "conglomerate from Massachusetts" appears. More complete information may be found in table 1 under Massachusetts conglomerates, where the sample is described as "Pudding Stone" from Dorchester.

In determining the wall numbers, it will often be helpful to consult fig. 2. In this figure, several of the more prominent blocks show the count numbers, which may be used to avoid counting from the end blocks. It should be remembered that these numbers are obtained by starting with the block next to the quoin and counting toward the middle.

In table 3, the base, coping, quoin, and divider stones are listed after those in courses 1 to 14.

8.3. Stones in Back and Ends of Wall

Stones in the back face and ends of the wall are of random sizes and were not set in continuous courses like those in the south face. The identi-

fication numbers of the blocks are shown in figure 3, and descriptions are given in table 4. In order to simplify the process of finding specific materials in the wall, the locations are divided into 5 sections: section S-1 includes all blocks in and below the first or lower water table except those numbered in the end sections; section S-2 includes all stones in and below the second water table down to section S-1; S-3 includes all above the second water table but not the coping stones. The end stones include those showing on the ends and not numbered on the south face. Those blocks that can be seen on the ends and also on the back are numbered only as end stones. Blocks on the east end are given consecutive numbers starting from the base and followed by the letters EE, and those on the west end are numbered in the same way, followed by the letters WE.

Some of the stones on the back of the wall were given certain treatments on the back surfaces before setting. Such stones are designated by numbers in parenthesis following the wall numbers. Notes in the legends of figure 3 describe the treatments.

TABLE 1. *Source, classification, and description of domestic stones in south face of wall*

[For identification of samples in wall see section 8, 1. Geological terms are capitalized, trade names are enclosed in quotation marks, and a star (*) at end of line signifies that the stone has been used commercially.]

ABBREVIATIONS

Column 1	Column 3
Co.....	County.
Cr.....	Creek.
E.....	East.
Pt.....	Fort.
Isl.....	Island.
Mt.....	Mountain.
N.....	North.
Nr.....	Near.
S.....	South.
Spgs.....	Springs.
St.....	Saint.
Sta.....	Station.
Twp.....	Township.
W.....	West.
argil.....	argillaceous.
bitum.....	bituminous.
cale.....	calcite.
calk.....	calcareous.
Carb.....	Carboniferous.
Cret.....	Cretaceous.
cryst.....	crystalline.
dendr.....	dendritic.
ferrug.....	ferruginous.
fossil.....	fossiliferous.
gr.....	grain.
L.....	Lower.
Lt.....	light.
med.....	medium.
mg.....	magnesian.
Sil.....	Silurian.
Trias.....	Triassic.
U.....	Upper.

Specific source	Wall No.	Description	Specific source	Wall No.	Description			
Alabama Limestone								
See also S-3, 4 and 5EE in table 4								
Calera.....	12LB39	Bluish-gray, fine gr, compact, L. Sil.	DeKalb Co.....	9RB34	Yellow, coarse-gr, porous, ferrug.*			
Dickson.....	7RA8	Lt-gray, med-gr, compact, fossil.	Greensport.....	9LB36	Gray, fine-gr, compact.*			
Florence.....	7LA7	Lt-gray, coarse-gr, compact, cryst.	Alabama Sandstone					
Leighton.....	13RB46	Lt-gray, med-gr, porous, fossil.	See samples S-2, 145 and S-2, 151 of table 4					
Rockwood.....	2C	Lt-gray, fine-gr, porous, oolitic.*	Alaska Marble					
Do.....	16C	Lt-buff, fine-gr, porous, oolitic.*	Bowie.....	14RB24	White, dark-veined, coarsely cryst.			
Do.....	13RA47	Lt-gray, fine-gr, porous, oolitic.*	Do.....	14LB23	Do.			
Do.....	13LA47	Cut from same block as 13RA47.	Nr. Phoenix.....	10LA22	Lt drab and yellow mottled onyx.			
Trinity.....	12LA37	Lt-gray, coarse-gr, compact, semicrust.	Do.....	10RA21	Cut from same block as 10LA22.			
Turks Cave.....	12RB40	Lt-gray, coarse-gr, porous, tertiary.	Arizona Marble					
Tuscumbia.....	7RA9	Lt-gray, med-gr, compact, fossil-bearing.*	Flagstaff.....	8LA38	Red, fine-gr, compact.*			
Alabama Marble			Prescott.....	9LA33	Red, coarse-gr, compact.*			
(See also S-2, 152 and S-2, 167 of table 4)			Do.....	9RA35	Do.			
Gantt's Quarry.....	2LQ	White, fine-gr cale, "Cream A".*	Yavapai Co.....	9RB33	Lt-red, fine-gr, compact.*			
Do.....	4LQ	White, fine-gr calc, "Pentelis A".*	Do.....	8LB38	Pinkish, fine-gr, porous.*			
Do.....	4LA10	White, dark parallel veins, fine-gr calc.*	Arizona Sandstone					
Do.....	4RA10	Cut from same block as 4LA10.	Kirkland.....	8RA38	Red, fine-gr, compact.*			
Do.....	12LB38	White, dark parallel veins, fine-gr, calc.*	Do.....	7LA36	Gray, fine-gr, volcanic tuff.*			
Do.....	12L40	Cut from same block as 12LB38.	Do.....		Do.			
Do.....	12RA37	Do.						
Do.....	12RB39	Do.						
Do.....	12R41	Do.						
Do.....	13LB46	Do.						

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description
Arkansas Limestone See also S-3, 7, 10, 26EE, and 32WE of table 4					
Batesville..... 11RB22 Grayish-white, fine-gr, compact.					
Arkansas Marble					
Nr. Batesville 7RA10 Nearly black, fine-gr, calc.	Do..... 10RB5 Buff and pink, fine-gr, calc., travertine.*		Batesville..... 10LQ Mottled gray and white, fine-gr, calc.*	Do..... 9RA4 Bluish-gray, fine-gr, calc.	
Sugar Orchard Cr., Boone Co. 7LA8 Dull-brown, white-spotted, crinoidal.*	Do..... 9LA3 White, fine-gr, calc.		Do..... 14LA23 White, golden-veined, med-gr, calc.	Do..... 14LA24 White, dark-veined, med-gr, calc.	
Arkansas Quartzite					
Bald Knob 11LB27 Buff, fine-gr, compact.*	Do..... 1L13 White, yellow-veined, med-gr, calc*, "Golden Vein Yule".		Do..... 1R13 Do.		
California Basalt					
Bridgeport..... 5LB29 Gray, fine-gr, compact.*	Pitkin..... 5LB31 White, very fine and compact.*		Petaluma..... 5RA29 Dark-gray, fine-gr, compact.*		
California Granite					
Penryn..... 5RA30 Dark-olive, black-spotted, med-gr, hornblende.*	Fremont Co., Ark. River..... 10LB38 Buff, fine-gr, porous.*		Rocklin..... 5LA29 Gray, fine-gr, biotite.*	Buckhorn..... 8LA33 Pale-pink, fine-gr, compact.*	
Do..... 7LA29 Do.	Canon City..... 8LB33 Lt-olive, fine-gr, porous.*		Do..... 6LB33 Do.	Coal Creek..... 7RA31 Lt-gray, fine-gr, porous.*	
Longmont..... 6LA31 Buff, coarse-gr, compact.*	Fort Collins..... 7LB31 Buff, gray-banded, fine-gr, compact, calk.*		Do..... 10RB32 Lt-gray, fine-gr, porous, calk.*	Do..... 8RB33 Lt-gray, rust-spotted, fine-gr, porous, Cret.*	
Do..... 6LB31 Pink, med-gr, compact.*	Greeley..... 6RA33 Brick-red, fine-gr, porous.*		Do..... 7LA31 Lt-red, laminated, fine-gr, compact.	Jefferson Co..... 7RB31 Lt-red, fine-gr, compact.*	
Sites..... 7RB28 Greenish-gray, fine-gr, porous.	Longmont..... 8RA33 Pink, fine-gr, porous.*		Do..... 6LA33 Trinidad..... 6LA33 Lt-gray, fine-gr, compact, calk.*	Trinidad..... 6LA33	
California Tuff					
Cordelia..... 5LB28 Gray, coarse andesite.*	Castle Rock..... 6RB33 Lt-gray, fine-gr, rhyolite.*		Lordsburg..... 5RB30 Dull-red, fine-gr, compact, basalt.*		
Colorado Diorite					
Monarch..... 5RB32 Greenish-gray, fine-gr.*	Connecticut Conglomerate				
Colorado Granite See also S-2, 53, and S-2, 100 of table 4					
Georgetown..... 6RB32 Gray, med-gr, porphyritic, biotite.	Portland..... 5RA34 Brownish-purple, porous, Trias.*		Lawson..... 5RA32 Gray, pink-spotted, med-gr, porphyritic biotite.*		
Do..... 5LB32 Lt-gray, fine-gr, muscovite.*	Connecticut Diabase				
Platte Canon..... 5LA32 Lt-red, coarse-gr, biotite.*	New Haven..... 5RB35 Dark-gray, fine-gr, Mesozoic.*		Salida..... 5LA31 Dark-gray, fine-gr biotite.		
Colorado Limestone					
Morrison..... 9RA3 Lt-red, fine-gr, porous, laminated.*	Ansonia..... 6RB35 Gray, fine-gr, compact, muscovite-biotite.*		Do..... 5LB32 Gray, coarse-gr, biotite.*	Bolton..... 5RA36 Gray, coarse, biotite.*	
Do..... 13RB27 Dull-pink, coarse-gr, compact, semicryst.*	Branford..... 9RA31 Gray, fine-gr, biotite.*		Haddam..... 7LB33 Lt-red, coarse-gr, biotite.*	E. Killingly..... 10LB35 Lt-pink, coarse-gr, hornblende-biotite.*	
Pitkin..... 13RB26 Black, fine-gr, compact.*	Gastonbury..... 6RA36 Gray, fine-gr, biotite.*		Lyme..... 5LB35 Dark-gray, fine-gr, biotite.*	Do..... 6LA36 Dark-gray, fine-gr, hornblende-biotite.*	
Do..... 9LA4 Dark, white-mottled, fine-gr, compact.	Greenwich..... 6LA36 Gray, coarse-gr, biotite.*		Middletown..... 5LA34 Dark-gray, fine-gr, hornblende-biotite.*	Haddam..... 7LB33 Dark-gray, fine-gr, hornblende-biotite.*	

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description
Connecticut Granite					
Branchville	6LB37	Gray, coarse-gr., biotite.*	St. Augustine	4LA19	Lt-buff, coarse, highly porous, calc shell-stone.
E. Canaan	6LB36	Gray, fine-gr., porphyritic biotite.	Do	4RA19	Cut from same block as 4LA19.
Groton	6LA37	Gray, fine-gr., biotite.*	Do	12LA28	Do.
Leete Isl.	1R1	Pink and black-mottled, med-gr., biotite.	Do	12RA27	Do.
Do	1L2	Pink and gray, fine-gr., biotite.	Do	12LA29	Do.
Do	1R2	Pink, dark-mottled, coarse-gr., biotite.	Do	12RA28	Do.
Do	4LB20	Pink, coarse-gr., biotite.			
Millstone Point	1L3	Pink and black, fine-gr., muscovite-biotite.			
Do	6RA35	Gray, fine-gr., biotite.*			
Mystic Bridge	1R3	Brownish-gray, fine-gr., biotite.			
Norwalk	1L4	Pink and gray, fine-gr., muscovite-biotite.			
Reynold's Bridge	1R4	Lt-gray, fine-gr., muscovite-biotite.			
Roxbury	1L5	Lt-brownish-gray, fine-gr., biotite-muscovite.			
Stony Creek	10RB33	Red, coarse-gr., biotite.*			
Do	14B	Pink and buff, coarse, biotite gneiss, "Mt. Coral".*			
Thomaston	1R5	Lt-gray, fine-gr., muscovite-biotite.			
Do	6RP36	Gray, fine-gr., biotite-muscovite.*			
Waterford	7RB33	Gray, fine-gr., biotite.*			
W. Norfolk	5RA35	Do.			
Do	5RB36	Do.			
Do	7RB34	Gray, fine-gr., biotite-muscovite.*			
Connecticut Limestone					
Shetlerville	7LA9	Drab, med-gr., compact.	Elberton	13B	Blue-gray, med-gr., biotite,
Do	7RA11	Dark-gray, fine-gr., compact.	Ogelsby	5LB30	"Elberton Blue Diamond".*
					Lt-gray, fine-gr., biotite.
Connecticut Marble					
E. Canaan	13RA9	Bluish-white, coarse-gr., dolomite.*			
Do	14LA11	White, dark-clouded, coarse-gr., dolomite.*			
Do	2L13	White, brown-spotted, coarse-gr., dolomite.			
Do	2R13	Cut from same block as 2L13.			
Do	13LA9	Water-blue, granular dolomite.*			
Do	14RA11	Do.			
Falls Village	11RB11	White, granular-cryst dolomite.*			
Connecticut Sandstone					
Cromwell	7LA33	Purplish-brown, med-gr., porous, muscovite, Trias.*			
E. Haven	8LA35	Brown, coarse-gr., porous, Trias.*			
Fair Haven	10RQ	Brown, coarse, porous, arkose, "Fair Haven Granite".*			
Do	14RQ	Do.			
Manchester	8LB35	Red, fine-gr., porous, Trias.*			
Portland	8RB35	Purplish-brown, med-gr., porous, muscovite, Trias.*			
Do	8RA35	Purplish-brown, fine-gr., compact, Trias.*			
Do	7RA33	Do.			
Do	4L6	Brown, medium-gr., compact, Trias.*			
Do	4R6	Cut from same block as 4L6.			
Delaware Gneiss					
Wilmington	5RB46	Dark-gray, fine-gr., augite-hornblende.*	Aurora	14LA2	Lt-gray, fine-gr., compact, U. Sil.*
Do	4RB16	Greenish-gray, fine-gr., augite-hornblende.	Chicago	14LB4	Dark-drab, fine-gr., cellular, compact, U. Sil.*
Brandywine	4LB16	Dark-gray, medium-gr.	Do	12RA3	Lt-gray, fine-gr., compact, U. Sil.
			Do	14RB3	Gray, black-spotted, coarse-gr., compact, bitum.*
Delaware Marble			Joilet	14RA2	Lt-gray, fine-gr., compact, U. Sil.*
Hockessin	11RA9	White, coarse-gr., dolomite.*	Do	14LA3	Do.
			Do	11RB1	Do.
			Do	12LA3	Do.
			Do	13RB2	Do.
			Kankakee	14RB4	Lt-gray, fine-gr., porous, U. Sil.*
			Do	13RA2	Lt-gray, fine-gr., compact, U. Sil.*
			Do	11RA3	Do.
			Do	12LB3	Lt-drab, fine-gr., compact, U. Sil.*
			Do	13LB2	Lt-gray, fine-gr., compact, U. Sil.*
			Do	13LA2	Do.
			Sag's Bridge	14RA4	Nearly white, fine-gr., compact, U. Sil.
Key West	7LA10	Nearly white, porous, friable, oolitic.	Saline	14RA3	Dark-gray, fine-gr., compact, fossil, L. Carb.*
Florida Coquina					
St. Augustine	4LA19	Lt-buff, coarse, highly porous, calc shell-stone.			
Do	4RA19	Cut from same block as 4LA19.			
Do	12LA28	Do.			
Do	12RA27	Do.			
Do	12LA29	Do.			
Do	12RA28	Do.			
Florida Sandstone					
Suwannee River	9LA44	Nearly white, porous, coarsely vesicular, phosphatic.			
Georgia Gneiss					
Atlanta	5RA31	Dark-gray, fine-gr., hornblende-biotite.*			
Georgia Granite					
		See also S 2, 83 of table 4			
Elberton	13B	Blue-gray, med-gr., biotite,			
Ogelsby	5LB30	"Elberton Blue Diamond".*			
		Lt-gray, fine-gr., biotite.			
Georgia Marble					
		See also S-2, 146 to 150 and 168 of table 4			
Catoosa Co.	11LA10	Purplish-gray, fine-gr., dolomite.*			
Tate	7RA12	Pink, coarsely-cryst, L. Sil, calc.			
Do	7LA11	Do.			
Do	13LB37	White dark-clouded, coarse-gr., L. Sil. calc.			
Do	13RB34	Do.			
Do	4LB10	Pink, black-veined, coarse-gr., L. Sil. calc.			
Do	4RA11	White, dark clouds, coarse-gr., calc.*			
Do	4LA11	Cut from the same block as 4RA11.			
Do	6LQ	Bluish-gray, coarse-gr., calc., "Cherokee".*			
Do	8LQ	Do.			
Do	12LQ	Do.			
Do	14LQ	Do.			
Holly Spgs.	5RB31	Green, fine-gr., serpentine.*			
Idaho Sandstone					
		See also S-2, 8, S 2, 132, and 23EE of table 4			
Boise	9RA43	Buff-colored, coarse-gr., porous.*			
Illinois Dolomite					
Aurora	14LA2	Lt-gray, fine-gr., compact, U. Sil.*			
Chicago	14LB4	Dark-drab, fine-gr., cellular, compact, U. Sil.*			
Do	12RA3	Lt-gray, fine-gr., compact, U. Sil.			
Do	14RB3	Gray, black-spotted, coarse-gr., compact, bitum.*			
Joilet	14RA2	Lt-gray, fine-gr., compact, U. Sil.*			
Do	14LA3	Do.			
Do	11RB1	Do.			
Do	12LA3	Do.			
Do	13RB2	Do.			
Kankakee	14RB4	Lt-gray, fine-gr., porous, U. Sil.*			
Lemont	13RA2	Lt-gray, fine-gr., compact, U. Sil.*			
Do	11RA3	Do.			
Do	12LB3	Lt-drab, fine-gr., compact, U. Sil.*			
Do	13LB2	Lt-gray, fine-gr., compact, U. Sil.*			
Do	13LA2	Do.			
Sag's Bridge	14RA4	Nearly white, fine-gr., compact, U. Sil.			
Saline	14RA3	Dark-gray, fine-gr., compact, fossil, L. Carb.*			

Florida Limestone

See also S-2, 129, and 27EE of table 4

Key West

7LA10

Nearly white, porous, friable, oolitic.

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description						
Illinois Limestone											
Belknap.....	12RB34	Greenish-gray, fine-gr, compact.*	Oakdale.....	14RB12	Lt-gray, fine-gr, compact, Niagara.*						
Do.....	8LA11	Gray, medium-gr, compact.*	Owens Co.....	6C	Gray, med-gr, porous, oolitic, "Select Gray"*						
Breese.....	12RB4	Dark-gray, fine-gr, compact, fossil, L. Carb.*	Do.....	12C	Buff, med-gr, cellular oolitic, "Rustic Buff"*						
Chester.....	13RB40	Gray, dark-streaks, med-gr, compact, fossil, L. Carb.*	Do.....	13C	Buff, coarse, cellular, oolitic, "Old Gothic"*						
Do.....	8RA10	Lt-gray med-gr, finely fossil, compact, L. Carb.*	Putnamville.....	8RA15	Gray, fine-gr, compact, L. Carb., siliceous.*						
Columbia.....	13RB39	Lt-gray, fine-gr, porous, fossil-bearing, L. Carb.*	Salem.....	12LB36	Dark, fine-gr, compact, L. Carb.						
Iuka.....	13LB42	Gray, fine-gr, compact.*	Do.....	12RA32	Lt-gray, med-gr, porous, L. Carb., oolitic.*						
Joliet.....	12LA31	Lt-gray, fine-gr, compact, L. Sil.*	Do.....	4RB12	Lt-gray, med-gr, porous, L. Carb., oolitic.						
Jonesborough.....	12RA30	Cut from the same block as 12LA31.	Do.....	4LB12	Do.						
Do.....	8RA12	Lt-gray, med-gr, compact, oolitic.*	Spencer.....	12RA33	Lt-gray, fine-gr, compact, L. Carb.*						
Kinderhook.....	12LA32	Do.	Do.....	12LA35	Lt-gray, med-gr, porous, L. Carb., bitum.*						
Quincy.....	8LA12	Lt-gray, med-gr, compact, semicrust, Carb.*	Stinesville.....	10RB14	Lt-gray, med-gr, porous, fossil- bearing, bitum.*						
Do.....	13LA42	Yellow, fine-gr, compact, L. Carb.	Indiana Sandstone								
Rockport.....	12RA4	Lt-gray, coarse-gr, compact, mg, fossil.	Attica.....	9RB40	Lt-gray, fine-gr, porous.*						
Do.....	8RA11	Lt-gray, med-gr, compact, fossil-bearing.*	Cannelton.....	9LA38	Lt-brown, fine-gr, porous.*						
Sagetown.....	13RB38	Lt-gray, fine-gr, compact.	French Lick Twp.....	9LB40	Nearly white, fine-gr, porous, laminated, L. Carb.*						
Illinois Sandstone			Do.....	9LA39	Lt-gray, fine-gr, porous, L. Carb.*						
Carbondale.....	9LA43	Lt purplish-brown, fine-gr, porous.*	Paoli.....	9RB39	Lt-gray, fine-gr, porous, L. Carb.						
Do.....	9RA41	Lt-brown, fine-gr, porous.*	Williamsport.....	9LB41	Cream-colored, med-gr, porous, Carb.*						
Chester.....	9LA42	Yellowish-brown, fine-gr, porous, L. Carb.*	Iowa Coral								
Do.....	9LA41	Lt-gray, fine-gr, porous, L. Carb.*	Iowa City.....	13LA20	Lt-gray, fine-gr, compact, fossil.						
Pinckneyville.....	9LA40	Lt-brown, fine-gr, porous, L. Carb.*	Indiana Dolomite								
Xenia.....	9RA42	Lt-gray, fine-gr, porous, Coal Measures.*	Iowa Dolomite								
Indiana Limestone						Iowa Dolomite					
See also S-1, S-2, S-3, EE and WE of table 4						Ames Station	13RA15	Buff, fine-gr, compact, pyrite bearing, L. Carb.*			
Anderson.....	14RA1	Drab, fine-gr, compact, Niagara.*	Story Co.....	14RA14	Lt-buff, fine-gr, porous, L. Carb.*						
Bluffton.....	14RB1	Gray, fine-gr, compact, Devonian.*	Anamosa.....	11LA16	Lt-buff, fine-gr, porous, cellular, bitum.*						
Decatur.....	12RB1	Drab, fine-gr, compact, U. Sil.*	Buffalo.....	13LB15	Drab, white-speckled, fine-gr, compact, Devonian.*						
Eaton.....	12LB1	Dark, mottled, coarse-gr, compact, Niagara.*	Cedar Falls.....	12LB16	Gray, fine-gr, compact, Devonian.*						
Greensburg.....	12LA1	Lt-gray, fine-gr, compact, U. Sil.	Clemont.....	14LB16	Buff, fine-gr, porous, U. Sil.*						
Logansport.....	14LA1	Lt-drab, fine-gr, compact, Niagara.*	Clinton.....	11LA15	Yellow, coarse-gr, porous, ferrug, U. Sil.*						
Longwood.....	11LB1	Yellowish, mottled, fine-gr, compact, cellular.*	Dakota Sta.....	12LB17	Lt-buff, fine-gr, compact, L. Carb.*						
Montpelier.....	14LB1	Lt-gray, fine-gr, compact, Niagara.*	Delphi.....	13LB14	Lt-gray, mottled, fine-gr, compact, Niagara.*						
St. Paul.....	11LA1	Lt-gray, fine-gr, compact, Niagara.*	Dixon.....	14RA18	Buff, fine-gr, compact, dendr, Niagara.*						
Wabash.....	11RA1	Lt-yellowish, fine-gr, compact, Niagara.*	Do.....	14RB18	Yellow, coarse-gr, porous, ferrug, Niagara.*						
Indiana Limestone			Dixon Sta.....	13RA14	Buff, fine-gr, porous, bitum, Niagara.*						
See also S-1, S-2, S-3, EE and WE of table 4			Dubuque.....	14RB15	Lt-buff, fine-gr, compact, cellular, L. Sil.*						
Avoca.....	8RA14	Lt-gray, fine-gr, compact, oolitic.*	Farley.....	12RA16	Lt-gray, fine-gr, porous, Niagara.*						
Bedford.....	12LB35	Lt-gray, fine-gr, porous, oolitic.*	Do.....	13RB16	Lt-gray, fine-gr, porous, Niagara.*						
Do.....	12RB36	Lt-gray, med-gr, compact, oolitic.*	Franklin.....	14RB16	Lt-gray, fine-gr, compact, L. Carb.*						
Do.....	8RA13	Lt-gray, med-gr, compact, oolitic, L. Carb.*	Garrison.....	14RA16	Do.						
Do.....	12RA1	Lt-gray, fine-gr, porous, mg, oolitic, L. Carb.*	Do.....	12RA17	Dark-gray, fine-gr, compact, Devonian.*						
Do.....	13RB42	Dark-gray, med-gr, porous, oolitic, L. Carb.*	Humbolt.....	12RA17	Do.						
Do.....	14C	Gray, coarse, porous, oolitic, "Grade B"*	Do.....	13RA13	Gray, compact, fine-gr, L. Carb.*						
Bloomington.....	6C	Gray, med-gr, porous, oolitic, "Select Gray"*	Do.....	12RB16	Red-streaked, fine-gr, compact, L. Carb.*						
Do.....	7C	Gray and buff, med-gr, porous, oolitic, "Variegated"*	Iowa Falls.....	13LA13	Buff, medium-gr, porous, L. Carb.*						
Do.....	8C	Buff, med-gr, porous, oolitic, "Standard Buff"*	Keokuk.....	14LA17	Drab, med-gr, compact, siliceous, L. Carb.*						
Do.....	10C	Gray, med-gr, porous, oolitic, "Select Gray"*	Lansing.....	11RA14	Lt-gray, fine-gr, cellular, L. Carb.*						
Corydon.....	12LA34	Nearly white, fine-gr, compact, oolitic.	Do.....	11RB15	Buff, coarse-gr, porous, L. Sil.*						
Do.....	12RA35	Do.	Do.....	11LA17	Lt-gray, fine-gr, compact, L. Sil.*						
Ellettsville.....	8RA16	Lt-gray, med-gr, porous, bitum, L. Carb.*	La Porte.....	13LA14	Buff, fine-gr, compact, Devonian.*						
Fort Ritner.....	8LA13	Lt-gray, med-gr, compact, L. Carb.. oolitic.*	Do.....	12LA17	Buff-banded, fine-gr, compact, Devonian.*						
Greencastle.....	8LA15	Lt-gray, med-gr, compact, cryst, L. Carb.*	Manchester.....	14LB15	Lt-gray, fine-gr, compact, Niagara.*						
Kokomo.....	8LA14	Dra>, fine-gr, compact, bitum.*	Maquoketa.....	12LA16	Buff, med-gr, porous, Niagara.*						
Lawrence Co....	5C	Gray and buff, med-gr, porous, oolitic, "Variegated"*	Marshalltown.....	12LA15	Lt-gray, fine-gr, compact, L. Carb.						
Do.....	11C	Gray, med-gr, porous, oolitic, "Standard Gray"*	Monticello.....	14LB17	Lt-buf, fine-gr, compact, U. Sil.*						
N. Vernon.....	13RB41	Dark-streaked, fine-gr, compact, Niagara.*	Mt. Vernon.....	14LA14	Lt-buf, fine-gr, porous, bitum, Niagara.*						
Oakalla.....	12RA34	Lt-gray, fine-gr, compact, fossil, L. Carb.	Olin.....	11RA15	Lt-buf, fine-gr, compact, bitum, Niagara.*						
			Osage Sta.....	14LB14	Dark-gray, coarse-gr, compact, fossil- bearing, Devonian.*						
			Do.....	11RA16	Do.						
			Quarry, Marshall Co.....	13RB15	Buff, fine-gr, compact, fossil, Sub-Carb.*						
			Do.....	14RB17	Lt-gray, fine-gr, porous, L. Carb.*						

TABLE 1. Source, classification, and description of domestic stones in south face of wall—Continued

Specific source	Wall No.	Description	Specific source	Wall No.	Description			
Sabula.....	12RB15	Buff, fine-gr, compact, ferrug., U. Sil.*	Stennett.....	14RB22	Buff, fine-gr, compact, fossil, Carb.*			
St. Claire.....	13LA15	Buff, fine-gr, compact, U. Sil.*	Tipton.....	9RB14	Buff, coarse-gr, compact, cellular, U. Sil.*			
Stone City.....	14LA16	Lt-buff, fine-gr, porous, bitum., Niagara.*	Do.....	12LA21	Do.			
Do.....	13RA16	Do.	Tracey Station, Marion Co.	9RA9	Lt-gray, fine-gr, porous, fossil, L. Carb.*			
Waterloo.....	14LA15	Buff, fine-gr, compact, siliceous, Devonian.*	Vinton.....	13RA18	Lt-buff, fine-gr, porous, bitum.*			
Winterset.....	14RA15	Lt-gray, med-gr, porous, fossil, Carb.*	Washington.....	14RA21	Dark-gray, med-gr, compact, semi-cryst., L. Carb.*			
Iowa Limestone								
Bedford.....	14RA24	Lt-drab, med-gr, compact, fossil, Carb.*	Waverly.....	14RA17	Buff, fine-gr, compact, Devonian.*			
Do.....	10LA19	Lt-buff, coarse-gr, compact, Carb.*	Winterset.....	14RA22	Lt-buff, med-gr, compact, fossil, L. Carb.*			
Bentonsport.....	13RA21	Gray, med-gr, compact, semi-cryst., Sub-Carb.*	Do.....	14RB20	Gray, med-gr, compact, fossil, L. Carb.*			
Blansett.....	10RB13	Lt-gray, med-gr, compact, oolitic.	Iowa Sandstone					
Bristow.....	11LA20	Buff, fine-gr, compact, Devonian.*	Davenport.....	9RA44	Pale-pink, fine-gr, porous.*			
Do.....	9LB10	Lt-gray, coarse-gr, compact, Devonian.*	Lewis.....	11LB26	Yellowish-brown, coarse-gr, porous, Cret.*			
Burlington.....	9LA9	Lt-gray, med-gr, compact, Sub-Carb.*	Kansas Dolomite					
Do.....	9LB13	Do.	Marion Center.....	10LA9	Lt-buff, fine-gr, porous, Permian.*			
Do.....	11RB20	Buff, med-gr, compact, fossil.*	Do.....	11RB9	Lt-buff, streaked, fine-gr, porous, Permian.*			
Charles City.....	11LA14	Gray, fine-gr, compact, argil, mg., Devonian.*	Marysville.....	11RB10	Lt-gray, fine-gr, compact, Permian.			
Do.....	13RB14	Drab and buff-mottled, coarse-gr, fossil-bearing, Devonian. "Madreport Marble".*	Richland Twp., Butler Co.	10RA12	Buff, fine-gr, compact, siliceous.*			
Conrad.....	9RB13	Lt-gray, med-gr, compact, oolitic, L. Carb.*	Topeka.....	11LB8	Drab, med-gr, compact, fossil, Carb.*			
Corning.....	9LA11	Lt-buff, fine-gr, compact, siliceous, Carb.*	Do.....	10LB12	Gray, med-gr, compact, fossil, Carb.*			
Davenport.....	9RB10	Drab, fine-gr, compact, cellular, Devonian.*	Kansas Limestone					
Do.....	14LA22	Lt-buff, coarse-gr, compact, fossil, Devonian.*	See also S-2, 125 of table 4					
Do.....	13LA19	Drab, fine-gr, compact, Devonian.*	Armstrong.....	10RA24	Buff, med-gr, porous, fossil.*			
Decorab.....	13LB16	Dark, mottled, fine-gr, compact, mg., L. Sil.*	Atchison.....	11RA26	Dray-gray, med-gr, compact, fossil, Carb.*			
Dudley Sta., Wapello Co.	14LB21	Lt-buff, fine-gr, compact, oolitic, L. Carb.*	Augusta.....	13RA23	Buff, coarse-gr, porous, Permian Fusulina.*			
Do.....	14LB22	Gray, fine-gr, compact, oolitic, L. Carb.	Cottonwood.....	11RA27	Lt-gray, coarse-gr, porous, Permian Fusulina.*			
Durham Sta., Marion Co.	9LB11	Lt-buff, med-gr, compact, bitum., L. Carb.*	Do.....	11LB22	Nearly white, porous, coarse-gr.			
Earlham.....	9LB12	Gray, fine-gr, compact, fossil, Carb.*	Do.....	11RA25	Cut from the same block as 11LB22.			
Do.....	9LB9	Drab, coarse-gr, compact, fossil, Carb.*	Douglass.....	13RA24	Lt-gray, med-gr, porous, soft, fossil, Permian.*			
Fairfield.....	9LA12	Buff, coarse-gr, compact, fossil, Carb.*	Eldorado.....	10RA23	Lt-gray, fine-gr, compact, Permian.*			
Fort Dodge.....	13LA16	Gray, fine-gr, compact, micaceous, L. Carb.*	Do.....	11LA23	Do.			
Givin.....	9RB11	Lt-gray, fine-gr, compact, mg., Carb.*	Florence.....	11LA8	Lt-gray, fine-gr, compact, fossil, mg.*			
Independence.....	9RB12	Gray, med-gr, compact, ferrug., L. Carb.*	Greeley.....	10LA25	Buff, coarse-gr, porous.*			
Do.....	13LB21	Buff, fine-gr, compact, fossil, Devonian.*	Grenola.....	10LA24	Drab, fine-gr, compact, Fusulina.			
Iowa City.....	12LA20	Do.	Irving.....	14LB26	Gray, fine-gr, compact, fossil.*			
Do.....	10RB12	Dark, uneven-gr, compact, siliceous, Devonian.*	Junction City.....	12LB22	Buff, fine-gr, porous, soft and earthy.			
Do.....	9RA12	Brown, med-gr, compact, Devonian.*	Leavenworth.....	11LB10	Yellow, earthy, fine-gr, compact, mg.			
Iowa Falls.....	11LB20	Gray, coarse-gr, porous, fossil, Devonian.*	Lane.....	9RA13	Gray, med-gr, compact, fossil.*			
Do.....	10LA20	Lt-yellow, fine-gr, compact, L. Carb.*	Manhattan.....	9LA13	Lt-gray, fine-gr, compact, Permian.*			
Keosauqua Station.....	9LA10	Gray, fine-gr, compact, L. Carb.*	Oswego.....	12RB23	Dark-gray, compact, coarse-gr, fossil.*			
Knoxville.....	14LB20	Gray, med-gr, compact, siliceous, L. Carb.*	Rock Twp., Butler Co.	12LB23	Lt-drab, fine-gr, compact.			
La-Grand.....	14RB14	Gray, med-gr, compact, oolitic, mg., L. Carb.*	Silverdale.....	4C	Buff, med-gr, compact calc., "Silverdale".*			
Macdonia.....	13RA19	Buff, coarse-gr, compact, Carb.*	Smoky Hill Reservation.....	10RA22	White, fine-gr, porous, chalky.			
Marble Rock.....	14LA21	Gray, fine-gr, compact, Devonian.*	Wilson.....	12RB22	Buff, fine-gr, compact.			
Do.....	10LB13	Lt-buff, fine-gr, compact, Devonian.*	Winfield.....	13LA25	Drab, fine-gr, compact, Permian.			
Marshalltown.....	10LA18	Gray, med-gr, porous, oolitic.	Kansas Sandstone					
Do.....	12RA21	Lt-drab, fine-gr, compact, arenaceous calc.	Chanute.....	10LA37	Buff, fine-gr, friable, calk.			
Mason City.....	14RA23	Lt-buff, fine-gr, compact, fossil, Devonian.*	Neodesha.....	10RA33	Do.			
Do.....	13LB13	Buff, fine-gr, compact, cellular, mg., Devonian.*	Oswego.....	8LA39	Dark-gray, med-gr, porous, calk.*			
Montour.....	14RB23	Buff, med-gr, compact, oolitic, L. Carb.	Parsons.....	10RA32	Buff, fine-gr, porous.*			
Do.....	11RA19	Do.	Do.....	10RA31	Gray, fine-gr, porous, calk.			
Mt. Pleasant.....	9RB9	Drab, fine-gr, compact, pyritiferous, L. Carb.*	Pawnee.....	11LB31	Gray, dark-spotted, med-gr, porous, calk.*			
Do.....	13LB20	Drab, fine-gr, compact, siliceous, L. Carb.	Do.....	10LB36	Gray, dark-spotted, med-gr, compact, calk.*			
Do.....	14LA20	Do.	Kentucky Dolomite					
Ottumwa.....	9RA10	Gray, med-gr, compact, L. Carb.*	Bardstown.....	11LA11	Drab, fine-gr, compact, U. Sil.			
Pella Station, Marion Co.	14RB21	Lt-gray, fine-gr, compact, L. Carb.*	Lincoln Co.	12LA13	Lt-drab, fine-gr, compact, semicrust.*			
Quarry, Marshall Co.	13LA21	Gray, med-gr, compact, fossil, L. Carb.*	Louisville.....	12LB12	Gray, fine-gr, compact, fossil calc., L. Carb.*			
Sigourney Station, Keokuk Co.	9RA11	Lt-buff, fine-gr, compact, dendr., L. Carb.*						
Do.....	13RA20	Lt-gray, fine-gr, compact, L. Carb.*						

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description			
Kentucky Limestone								
Anchorage.....	13RA45	Lt-drab, fine-gr, compact.*	Addison.....	5RB27	Drak-gray, fine-gr, Devonian.*			
Bloomfield.....	14RB47	Dark-gray, fine-gr, compact, fossil, L. Sil.	Addison Point.....	8LA27	Dark-gray, fine-gr, olivine.*			
Do.....	12LA36	Lt-gray, med-gr, compact, fossil.	Do.....	5LB25	Do.			
Dennis.....	13RB45	Drab, fine-gr, compact, L. Carb.	Vinal Haven.....	10LA30	Do.			
Frankford			Maine Diabase					
Franklin Co.	14LB44	Drab, fine-gr, compact.*	Addison.....	5RB27	Drak-gray, fine-gr, Devonian.*			
Frankfort.....	13RB44	Lt-gray, fine-gr, compact, semicrust.*	Addison Point.....	8LA27	Dark-gray, fine-gr, olivine.*			
Do.....	13LA45	Lt-gray, coarse-gr, porous, fossil.*	Do.....	5LB25	Do.			
Do.....	14RB45	Lt-gray, compact, med-gr, fossil.	Vinal Haven.....	10LA30	Do.			
Franklin.....	13LA44	Drab, fine-gr, compact, oolitic.*	Maine Gneiss					
Do.....	8RA17	Lt-gray, fine-gr compact.	Jefferson.....	7RB23	Gray, fine-gr, muscovite-biotite.*			
Garrett.....	12RA36	Lt-gray, med-gr, porous, oolitic, L. Carb.	Turner.....	6RA25	Dark-gray, med-gr, biotite.*			
Grahampton.....	13LA43	Dark-gray, fine-gr, compact, semicrust, L. Carb.	Maine Granite See also S-1 and S-2 of table 4					
Green Co.	13LB45	Dark-gray, med-gr, compact, fossil, L. Carb.	Augusta.....	7RB24	Lt-gray, fine-gr, muscovite-biotite.*			
Greensburg.....	14RB44	Drab, med-gr, compact, earthy, fossil.*	Biddeford.....	5RA27	Gray, coarse-gr, biotite.*			
Hopkinsville.....	13RA43	Lt-gray, med-gr, porous, oolitic, Sub-Carb.	Do.....	5RA26	Do.			
Lagrange.....	12RA11	Lt-gray, fine-gr, compact, mg, U. Sil.*	Brunswick.....	6RA27	Do.			
Lebanon.....	14RB43	Drab, fine-gr, compact, Carb.	Bryant's Pond.....	6RB26	Drak-gray, med-gr, biotite.			
Do.....	8RA18	Dark-gray, fine-gr, compact, fossil.	Calais.....	6RB25	Pinkish-gray, med-gr, biotite.			
Lincoln Co.	13LB44	Lt-gray, fine-gr, compact.	Canaan.....	7RA25	Dark-gray, coarse-gr, biotite.			
Litchfield.....	13LB43	Dark, mottled, fine-gr, compact, semicrust.*	Chesterville.....	6RA26	Gray, fine-gr, biotite.*			
Do.....	13RB43	Lt-gray, med-gr, compact, oolitic, Sub-Carb.*	Crotch Isl.....	7RA24	Mauve and white, coarse-gr, porphyritic biotite.*			
Livingstone.....	13LA46	Dark-gray, fine-gr, compact.	Dedham.....	8RB27	Gray and white, coarse-gr, porphyritic biotite.*			
Lubegrude Cr.			Dix Island.....	10LA32	Gray, coarse-gr, biotite.*			
Clark Co.	12RB11	Drab, coarse-gr, compact, mg.	E. Blue Hill.....	10RB27	Do.			
Pilot Knob.....	13RA44	Lt-gray, med-gr, compact, oolitic, Sub-Carb.	Franklin.....	6RB27	Do.			
Pineville.....	14LB45	Dark-gray, fine-gr, compact, bitum.	Frankfort.....	5LA25	Do.			
Do.....	14LB47	Drab, fine-gr, compact.	Do.....	B16	Gray, med-gr, biotite, "Mt. Waldo".*			
Princeton.....	14LB46	Lt-gray, med-gr, compact, oolitic, L. Carb.	Do.....	6LB27	Gray, coarse-gr, biotite.*			
Do.....	13RA42	Lt-drab, med-gr, compact, oolitic, L. Carb.*	Hallowell.....	10RB25	Lt-gray, fine-gr, muscovite-biotite.*			
Do.....	13RA41	Lt-gray, med-gr, compact, oolitic, L. Carb.*	High Pine.....	7B	Pink, coarse-gr, biotite, "Swenson Pink".*			
Russelville.....	12LB37	Dark-drab, fine-gr, compact.	Hurricane Isl.....	9RB23	Gray, coarse-gr, biotite.*			
Do.....	8LA17	Lt-gray, med-gr, compact, oolitic.*	Lincoln.....	7LB25	Gray, coarse-gr, hornblende.*			
Springfield.....	8LA16	Gray, fine-gr, compact, coarsely fossil.	Lincolnhvile.....	6LA26	Lt-gray, fine-gr, muscovite-biotite.*			
Stewart's Mill			Milford.....	4RB17	Pink, coarse-gr, biotite, "Milford Pink".*			
Clark Co.	14RB46	Dark-gray, fine-gr, compact, Carb.	Mt. Desert.....	12B	Pink, medium to coarse, biotite, "Somes Sound".*			
Taylorsville.....	12RB38	Gray, med-gr, compact, coarsely fossil.	Do.....	10LB30	Pink, coarse-gr, biotite.*			
Trenton.....	13RA46.....	Lt-gray, med-gr, compact, oolitic.	North Jay.....	5B	Lt-gray, fine-gr, biotite-muscovite, "North Jay".*			
Kentucky Sandstone								
Blue Lick Mountain.....	8RB31	Gray, fine-gr, compact.	Otter Creek					
Cloveport.....	8LB31	Buff, fine-gr, porous, L. Carb.	Mt. Desert.....	4LB17	Bright-pink, coarse-gr, biotite.			
Do.....	7RA28	Lt-brown, fine-gr, porous, L. Carb.	Pownal.....	7LB24	Gray, fine-gr, biotite.*			
Do.....	6LB30	Buff, fine-gr, porous, L. Carb.	Round Pond.....	7LA24	Do.			
Grayson Spgs.....	5LA28	Buff, rust-spotted, fine-gr, porous.	St. George.....	8LB27	Dark-gray, fine-gr, biotite.*			
Do.....	7LA28	Lt-gray, fine-gr, porous.	Somesville					
Johnson Co.	8LA31	Lt-brown, med-gr, porous, L. Carb.	Mt. Desert.....	10RB28	Gray, med-gr, biotite.*			
Kirkmansville.....	6RB29	Yellowish, med-gr, porous.*	Do.....	10LA31	Lt-pink, coarse-gr, biotite.*			
Livingstone.....	6LA30	Gray, fine-gr, porous.	S. Brookville.....	5LA24	Pink and mauve, coarse-gr, biotite.*			
Marion.....	7RB27	Nearly white, fine-gr, compact, L. Carb.	St. Thomaston.....	10LB29	Gray, coarse-gr, biotite.*			
Pineville.....	8RA31	Lt blue-gray, fine-gr, compact.	Do.....	10LA34	Do.			
Taylor Co.	7LB28	Gray, brown lines, fine-gr, compact.	Swanville.....	6LA27	Gray, fine-gr, biotite.*			
Whitney Co.	6RA30	Lt blue-gray, fine-gr, porous.	Vinal Haven.....	10LA33	Gray, fine-gr, biotite.*			
Do.....	11LB45	Lt-gray, fine-gr, porous.	Do.....	7LA25	Do.			
Louisiana Quartzite			Do.....	4RB15	Pink, coarse-gr, biotite.			
Unknown.....	6LB47	Drab, white-dotted, fine-gr, compact.	Do.....	4LB15	Do.			
Louisiana Sandstone			Waldoborough.....	6LB26	Gray, fine-gr, biotite.*			
Unknown.....	6LA47	Pinkish, medium-gr, porous.	Wayne.....	6LA25	Gray, coarse-gr, biotite.*			
Maine Argillite (Slate)			W. Sullivan.....	10LB31	Gray, med-gr, biotite.*			
Brownville.....	10RB26	Uniform blue-black, electrical.*	Williamantic.....	6LB25	Gray, coarse-gr, biotite.			
Monson.....	10LB28	Do.	Maine Schist					
Unknown.....	8RA27	Dark-gray, fine-gr, compact, talcose.*	Maine Serpentine					
Deer Island.....	5LB24	Black, compact.	Maryland Argillite (Slate)					
Nr. Cardiff.....	6RA41	Blue-black, med-coarse texture, roofing.*						

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description
Maryland Conglomerate					
Cumberland.....	5RB26	Lt-gray, coarse-gr, compact, L. Sil.*	Becket.....	10LB23	Dark-gray, fine-gr, muscovite.*
Maryland Dolomite			Do.....	8RA22	Pink-gray, fine-gr, biotite-muscovite.*
Baltimore.....	3L15	White, fine-gr.	Charlton.....	9LB24	Lt-gray, fine-gr, muscovite-biotite.*
Do.....	3R15	Cut from same block as 3L15.	Morson.....	6LA39	Dark-gray, fine-gr, biotite.*
Findlay.....	10LA13	Gray, fine-gr, finely cellular, compact.	Do.....	10LB22	Gray, fine-gr, muscovite.*
Maryland Gneiss			Northfield.....	10LB25	Gray, fine-gr, biotite.*
Baltimore.....	5RA39	Lt-gray, fine-gr, biotite.*	W. Andover.....	6LB22	Gray, coarse-gr, muscovite.*
Do.....	5LB38	Do.	Westford.....	5LB14	Gray, fine-gr, muscovite.*
Ellieott City.....	6RA40	Dark-gray, coarse-gr.*	Do.....	5LB15	Lt-gray, fine-gr, muscovite.*
Ilchester.....	8RB38	Dark-gray, fine-gr, Laurentian horn-blende.	Do.....	5LB13	Gray, fine-gr, muscovite.*
Mt. Royal.....	6RB40	Lt-gray, fine-gr, biotite.*	Do.....	7LB37	Lt-gray, fine-gr, muscovite.*
Maryland Granite					
Bethesda.....	5LA38	Bluish-gray, med-gr, biotite.*	Bay View.....	5LA20	Brownish-black, med-gr, biotite.
Granite.....	10RB41	Black, white-spotted, coarse-gr, biotite.*	Cape Ann.....	9LA24	Pink, coarse-gr, biotite.*
Gwynn Falls.....	10RB40	Gray, fine-gr, biotite.*	Clinton.....	5LB9	Dark-gray, fine-gr, biotite.*
Ilchester.....	6LA40	Red, coarse-gr, Laurentian, biotite.	Cohasset.....	6LA22	Pink, coarse-gr, biotite.*
Montrose.....	5RB39	Gray, fine-gr, biotite.*	Dedham.....	5LB11	Pink, fine-gr, epidote.
Woodstock.....	7LB38	Gray, med-gr, biotite.*	Fitchburg.....	5LB10	Gray, coarse-gr, muscovite-biotite.*
Do.....	6LB40	Do.	Do.....	4LB21	Gray, coarse-gr, biotite.*
Maryland Limestone			Framingham.....	10LB21	Lt-pink, coarse-gr, biotite.*
Mt. Pleasant.....	9LB16	Black, fine-gr, compact.*	Do.....	10LB24	Lt-pink, coarse-gr, biotite.
Maryland Marble			Do.....	10RB23	Dark-gray, coarse-gr, biotite.
See also S-1 and S-2 of table 4			Freetown.....	5LB12	Lt-gray, coarse-gr, biotite.*
Mt. Pleasant.....			Gloucester.....	5LB17	Lt-pink, coarse-gr, hornblende.*
See also S-2, 163 of table 4			Do.....	8LB22	Lt greenish-gray, coarse-gr, hornblende.*
Cockeysville.....			Do.....	5LB18	Gray, coarse-gr, hornblende.*
Do.....	14LB42	White, med-gr, L. Sil. dolomite.	Do.....	5LB16	Do.
Do.....	14RB41	Do.	Do.....	5LB8	Dark-gray, coarse-gr, hornblende.*
Do.....	13LA41	Brown, med-gr, dolomite, "Mar Villa".*	Leominster.....	5LB19	Dark-gray, fine-gr, biotite.*
Do.....	4LB13	White, med-gr, dolomite.	Milford.....	B4	"Milford Pink".*
Do.....	4RB10	White, coarse-gr.	N. Easton.....	6RA39	Pinkish, coarse-gr, biotite.*
Frederick.....	14RB42	White, med-gr, dolomite.*	Do.....	5RB15	Pink, coarse-gr, biotite.*
Kedysville.....	12RA31	Variegated, coarse, Trias., conglomerate.*	Peabody.....	9LA23	Dark-gray, coarse-gr, hornblende.*
New Windsor.....	9RB16	Gray, fine-gr, fossil.*	Quincy.....	5RB20	Dark-gray, fine-gr, biotite.*
Union Bridge.....	13LB40	Lt blue-gray, fine-gr.*	Do.....	5RB12	Pale-pink, coarse-gr, biotite,
Do.....	12LA30	White, fine-gr.*	Do.....	5RB17	"Milford Pink".*
Maryland Quartzite			Do.....	5RB19	Pinkish, coarse-gr, biotite.*
Frederick Co.....	10LB41	Dark-red and white, coarse-gr.*	Do.....	10RB24	Pink, coarse-gr, biotite.*
Maryland Schist			Do.....	5RB18	Dark-gray, coarse-gr, hornblende.*
See sections S-2 and EE of table 4			Do.....	5RB11	Do.
Maryland Serpentine			Do.....	4RB14	Dark-gray, coarse-gr, hornblende.*
Baltimore.....			Do.....	1L7	Blue-gray, coarse-gr, hornblende.*
Deer Creek.....	7LA38	Dark-green, fine-gr, compact.	Do.....	1R7	Dark-gray, coarse-gr, riebeckite-aegirite.*
Dublin Borough.....	7LA37	Do.	Do.....	1L8	Do.
Do.....	7RB38	Dark and light-green, variegated.*	Do.....	1R8	Do.
Do.....	6RB41	Do.	Do.....	1L9	Do.
Do.....	8LB41	Lt-green, variegated.*	Do.....	1R9	Do.
Do.....	7RA38	Cut from same block as 8LB41.	Quincy Adams.....	5RB10	Pink, fine-gr, biotite.*
Massachusetts Conglomerate			Randolph.....	5RB9	Lt-pink, coarse-gr, biotite.*
Dorchester.....	7RB35	Vari-colored, compact, siliceous, "Puddingstone".*	Rockport.....	6RB22	Dark-gray, coarse-gr, hornblende.*
Massachusetts Diabase			W. Chelmsford.....	1B	Lt-gray, med-gr, muscovite-biotite, "West Chelmsford Gray".*
E. Longmeadow.....	5RB16	Dark-gray, fine-gr, Mesozoic.*	Do.....	17B	Lt-gray, med-gr, muscovite-biotite, "West Chelmsford White".*
Medford.....	8LA23	Dark-gray, coarse-gr.*	W. Quincy.....	9RA23	Dark-gray, coarse-gr, hornblende.*
Somerville.....	8LA22	Gray, coarse-gr.*	Do.....	5RA21	Do.
Massachusetts Gneiss			Woods Hole.....	6RA22	Do.
Massachusetts Granite			Worcester.....	8RB22	Lt-pink, green blotches, coarse-gr.
Massachusetts Marble			Wyoma.....	9RB22	Gray, coarse-gr, biotite-muscovite.*
See also S-2, 164 to 166 of table 4			Massachusetts Marble		
Dorchester.....			Do.....	5RA20	Gray, coarse-gr, hornblende.*
Massachusetts Diabase			See also S-2, 164 to 166 of table 4		
E. Longmeadow.....	5RB16	Dark-gray, fine-gr, Mesozoic.*	Alford.....	13LB33	White, med-gr, L. Sil.
Medford.....	8LA23	Dark-gray, coarse-gr.*	Do.....	9RB15	Grayish-white, coarse-gr, L. Sil.*
Somerville.....	8LA22	Gray, coarse-gr.*	Lee.....	13RB31	White, fine-gr, L. Sil. dolomite.*
Stockbridge.....			Do.....	13RB7	White, med-gr, dolomite, "Lee Marble".*
Stockbridge.....			Do.....	13RB13	Do.
Stockbridge.....			Do.....	14LA7	Do.
Stockbridge.....			Do.....	14LA8	Do.
Stockbridge.....			Stockbridge.....	9LB15	Water-blue, fine-gr, L. Sil.*

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description
Massachusetts Melaphyre					
Brighton.....	10LB26	Olive-green, white-speckled, med-gr, compact.*	Beaver Bay	7RB32	Red, coarse hornblende.
Massachusetts Sandstone			Cold Springs	10B	Pink, coarse-gr, hornblende-biotite, "Pearl Pink".*
E. Long Meadow ..	8RA23	Lt reddish-brown, porous, fine-gr.*	E. St. Cloud	6LB34	Gray, fine-gr hornblende.*
Do.....	9RQ	Reddish-brown, fine-gr, Trias. "Longmeadow".*	Do.....	5RA33	Red, coarse-gr hornblende.*
Michigan Argillite (Slate)			Do.....	6RA34	Dark-gray, coarse-gr hornblende.*
Arvon.....	6LA45	Blue-black, smooth texture slate.*	Isle.....	8B	Gray, medium to coarse, biotite, "Pearl White".*
Michigan Dolomite			Watab.....	7LB32	Gray, coarse-gr hornblende-biotite.*
Raisinville	11LA2	Lt-gray, fine-gr, porous, granular, Devonian.*	Do.....	6RB34	Red, coarse-gr hornblende.*
Sibley's Station ..	11RA5	Drab, fine-gr, compact, fossil. Devonian.*	Do.....	6LA34	Reddish-gray, coarse-gr biotite.
Michigan Gneiss			Minnesota Granite		
Vulcan.....	6RA46	Dark-gray, fine-gr, biotite.*	See also S-2 and EE of table 4		
Michigan Granite			Minnesota Labradorite		
Vulcan.....	11RB39	Red, fine-gr, biotite.*	Beaver City	6LA35	Lt-greenish, coarse-gr, compact.
Michigan Quartzite			Minnesota Limestone		
Vulcan.....	10LA49	Lt-gray, fine-gr, compact, L. Sil.*	See also S-2 and 25EE of table 4		
Michigan Sandstone			Minnesota Quartz		
Isle Royale.....	8RB44	Reddish-brown, fine-gr, porous, Potsdam.	Canon City	13LB32	Drab, fine-gr, compact L. Sil.*
L'Anse.....	7LB45	Do.	Mankato.....	1C	Buff, fine-gr, cellular mg.*
Do.....	7LB43	Brownish-purple, gray-mottled, med-gr, porous Potsdam.*	Do.....	9C	Gray-buff, fine-gr, cellular mg.*
Do.....	8RA44	Red, brown and buff, coarse-gr, porous Potsdam.*	Do.....	17C	Cream, fine-gr, cellular mg.*
Marquette.....	7RB42	Red and gray, med-gr, porous L. Sil.*	Minneapolis.....	14RB8	Dark-mottled gray, fine-gr, compact, fossil, mg.*
Do.....	7RA42	Reddish, fine-gr, porous Potsdam.*	Do.....	9LA16	Mottled gray, fine-gr, compact.*
Do.....	7LA44	Purplish-brown, med-gr, compact L. Sil.	Red Wing.....	11LA5	Lt-drab, fine-gr, compact, mg, dendritic.*
Portage Entry.....	6LA46	Red, fine-gr, porous.*	St. Paul.....	9RA16	Gray, fine-gr, compact, fossil, mg, L. Sil.*
Stony Point.....	7LB44	Dark-buff, fine-gr, porous.*	Minnesota Quartzite		
Minnesota Diabase			Minnesota Sandstone		
Duluth.....	5LA33	Dark-gray, fine-gr, trap rock.*	Courtland.....	5LB33	Purplish-red, fine-gr, compact.*
Taylor's Falls.....	5RB33	Nearly black, fine-gr, olivine.*	Minnesota Quartzite		
Two Harbor Bay	6LB35	Nearly black, fine-gr.	Minnesota Quartzite		
Minnesota Dolomite			Minnesota Sandstone		
Canon City	13LB7	Drab, fine-gr, compact L. Sil.*	Dakota.....	8RB34	Buff, fine-gr, friable L. Sil.*
Frontenac.....	12LA8	Lt-buff, fine-gr, porous L. Sil.*	Dresback.....	7RA32	Gray, fine-gr, friable L. Sil.
Kasota.....	12RA9	Buff, fine-gr, compact L. Sil.*	Fond Du Lac.....	8LA34	Purplish-brown fine-gr, compact L. Sil.*
Do.....	11LA6	Reddish-yellow, fine-gr, porous L. Sil.*	Hinckley.....	7LA32	Yellowish-pink, fine-gr, porous.*
Do.....	12LB8	Yellow, fine-gr, compact L. Sil.*	Jordan.....	9RA33	Buff, rust-spotted, fine-gr, porous L. Sil.*
Mankato.....	13RA7	Buff, fine-gr, porous L. Sil.*	Luverne.....	8RA34	Purplish-brown, med-gr, compact.
Reading.....	14RA8	Lt-drab, fine-gr, compact L. Sil.*	Mendota.....	8LB34	Bright-yellow, med-gr, porous L. Sil.*
Stillwater.....	11LB5	Lt-drab, fine-gr, porous L. Sil., siliceous.*	Mississippi Limestone		
Do.....	13LA7	Lt-buff, fine-gr, compact L. Sil.*	Teshomingo County	8LB16	Gray, fine-gr, compact, finely fossil.
Winona.....	12RB9	Lt-drab, fine-gr, compact L. Sil.*	Mississippi Sandstone		
Minnesota Gabbro			Rankin Co.	8LA41	Yellow, fine-gr, compact argil.
Duluth.....	5LB34	Dark-gray, coarse-gr, gabbro.*	Missouri Dolomite		
Mississippi Limestone			Booneville	11LA13	Buff, fine-gr, compact.*
Mississippi Sandstone			Do.....	12RA15	Do.
Missouri Dolomite			Bowling Green.....	11RA12	Mottled-buff, fine-gr, compact L. Sil.*
Missouri Dolomite			De Soto	11RA13	Lt-gray, fine-gr, compact, siliceous L. Sil.*
Missouri Dolomite			Dutzrow.....	11RB13	Lt-drab, fine-gr, compact.*
Missouri Dolomite			Hermann.....	11RB14	Dark-gray, fine-gr, compact siliceous.*
Missouri Dolomite			Jefferson City	11LA12	Lt-gray, fine-gr, compact siliceous.*
Missouri Dolomite			Marshfield	11RB12	Yellow-brown, fine-gr, compact siliceous.*
Missouri Dolomite			Osage.....	12LB14	Lt-spotted, coarse-gr, porous siliceous.*
Missouri Dolomite			St. Louis.....	12RB14	Lt-gray, fine-gr, compact L. Carb.*
Missouri Dolomite			Sedalia.....	11RA11	Buff, fine-gr, compact fossil.*
Missouri Dolomite			Do.....	11LB15	Dark-gray, fine-gr, compact siliceous L. Carb.*
Missouri Dolomite			Stoutland	11LB14	Lt-gray, fine-gr, siliceous.*

TABLE 1. Source, classification, and description of domestic stones in south face of wall—Continued

Specific source	Wall No.	Description	Specific source	Wall No.	Description			
Missouri Granite								
Graniteville	7RA35	Red, med-gr biotite.*	Helena	11LA32	Montana Marble			
Iron Co.	7LA35	Do.	Do	12LB13	See also S-2, 133, and 134 of table 4			
Knob Lick	7RA36	Gray, med-gr hornblende.	Montana Sandstone					
Syenite	7RA37	Pinkish, med-gr biotite.*	Columbus	7LA41	Dray-gray, fine-gr, compact, Cret.			
Missouri Limestone			Do	8RB43	Do.			
See also S-2, 5, S-3, 12 and 8WE of table 4			Do	8LB43	Do.			
Amazonia	13LB22	Lt-brown, fine-gr, compact, finely fossil.*	Do	8RA43	Do.			
Barrett's Station	9LA5	Lt-gray, coarse-gr, porous fossil.*	Do	8LA43	Dark-gray, fine-gr, porous, Cret.			
Bear Creek Marion Co.	10RB6	Gray, coarse-gr, compact, encrinital semicryst.*	Great Falls	8RB42	Do.			
Carthage	1LQ	Gray, med-gr, cryst calc, "Carthage Marble".*	Great Falls	11RB35	Brownish-purple, fine-gr, compact.			
Do	3LQ	Do.	Nebraska Limestone					
Do	14LB48	Gray, med-gr, cryst calc "Ozark Travernelle".*	Glen Rock	13RB24	Lt-gray, med-gr, compact Fusulina.*			
Do	14RB48	Cut from same block as 14LB48.	LaPlatte	14LB43	Lt-gray, med-gr, compact Permian.*			
Clinton	10LB6	Blue, fine-gr, compact, argil Carb.*	Roca	8RB7	Lt-gray, fine-gr, compact Permian.*			
Do	10LB7	Buff, fine-gr, compact, argil Carb.	Do	8LB6	Lt-gray, fine-gr, compact, fossil Permian.*			
Glencoe	12RB21	Buff, coarse-gr, compact, fossil L. Carb.*	Do	11RA23	Lt-gray, fine-gr, compact Permian.			
Hannibal	10RB7	Lt-gray, coarse-gr, compact, encrinital, semicryst.*	Syracuse	8LB7	Lt-drab, fine-gr, compact Fusulina.			
Do	12LB15	Buff, coarse-gr, compact, mg, semicryst, fossil.*	Nevada Andesite					
Herculaneum	10RB8	Gray-buff, fine-gr, calc, "Herculaneum Buff".*	Reno	7LB35	Lt-gray, med-gr, compact hornblende.*			
Kansas City	12LA14	Gray, med-gr, compact, mg, fossil.*	Virginia City	7RB37	Grav, coarsely porphyry compact hornblende.*			
Neosho	11RA22	Dark-gray, med-gr, compact fossil.*	Do	7LB36	Lt-brown, white-spotted porphyritic hornblende.*			
New London	9RA5	Drak-gray, fine-gr, compact fossil.*	Nevada Sandstone					
Paris	11LB21	Gray, fine-gr, compact fossil-bearing.*	Carson City	7RB36	Gray, coarse-gr porous.*			
Phenix	2L17	Gray, med-gr, cryst calc, "Napoleon Gray".*	New Hampshire Breccia					
Do	2R17	Cut from the same block as 2L17.	Franconia	11LB34	Red, compact breccia of porphyry fragments.			
Do	14L49	Do.	New Hampshire Gneiss					
Do	14R49	Do.	Petersborough	6RA43	Gray, med-gr muscovite-biotite.*			
Pleasant Hill	11LA21	Gray, fine-gr, compact, Carb.*	Sunapee	5LA43	Dark-gray, med-gr biotite.*			
Do	12LA22	Dark-gray, med-gr, compact Carb., fossil.*	New Hampshire Granite					
St. Louis	12LB21	Drab, fine-gr, compact, finely fossil L. Carb.*	Allentown	10RA39	Gray, fine-gr biotite-muscovite.*			
Do	11RA21	Lt-gray, med-gr, compact, semicryst L. Carb.	Concord	10LA44	Do.			
Springfield	10LA21	Do.	Do	5LB43	Do.			
Missouri Marble			Do	5LB44	Do.			
See also S-2, 141 of table 4			Do	11B	Lt-gray, med-gr, muscovite-biotite, "Concord Gray".*			
Cape Girardeau	11RB21	Nearly white, med-gr, L. Sil.*	Durham	10RB44	Gray, coarse-gr biotite.*			
Missouri Sandstone			Enfield	11RB36	Gray, fine-gr biotite.*			
Butler	11LB30	Gray, rust-spotted, med-gr, porous Carb.*	Farmington	10RA41	Gray, fine-gr biotite-muscovite.*			
Clinton	8LA36	Lt-gray, fine-gr, porous Carb.*	Fitzwilliams	10RA38	Gray, fine-gr biotite.*			
Do	8RB37	Buff, fine-gr, compact Carb.*	Do	10LA46	Do.			
Howard Co.	8RA37	Buff, fine-gr, porous Carb.	Do	10RA36	Gray, fine-gr biotite-muscovite.*			
Jones Station Ralls Co.	11LB29	Lt-buff, fine-gr, porous.*	Hanover	10LB43	Gray, coarse-gr biotite.*			
Meadville	9RB32	Buff, med-gr, porous, calk Carb.*	Keene	6RB44	Lt-gray, fine-gr biotite-muscovite.			
Miami Station Carroll Co.	13RA22	Gray, fine-gr, porous Carb.*	Lebanon	10LA45	Pink, coarse-gr biotite-epidote.*			
Nevada	8RA36	Lt-gray, rust-spotted, fine-gr, porous, Carb.*	Manchester	10LB44	Lt-gray, med-gr biotite.*			
Rockville	8LB37	Lt-buff, fine-gr, porous, calk, Carb.*	Do	11LB33	Pink, coarse-gr muscovite-biotite.*			
Do	9RA34	Red, coarse-gr, porous, calk Carb.*	Marlborough	5RB44	Lt-gray, fine-gr muscovite-biotite.*			
St. Genevieve	10RB36	Buff, fine-gr, porous L. Carb.*	Mason	4RB20	Gray, fine-gr biotite.*			
Warrensburg	8LA37	Gray, med-gr, porous Carb.*	Mason	10RA37	Lt-gray, fine-gr biotite.*			
Montana Diorite			Do	10RB45	Lt-gray, medium texture biotite.*			
Helena	7RA40	Gray, med-gr.	Milford	10RA40	Lt-gray, fine-gr biotite.*			
Montana Granite			Do	6RA44	Pinkish-gray, fine-gr biotite.			
Baxendale	10LB42	Pink and gray, med-gr biotite.	Do	7RB40	Gray, med-gr biotite.*			
Butte	10RB43	Dark greenish-gray, med-gr hornblende.	Plymouth	10LB45	Lt-pink, med-gr biotite.*			
Lewis & Clark Co.	7LB41	Gray, med-gr porphyritic biotite.	Raymond	7RB41	Pink, coarse-gr biotite "Conway Pink".*			
			Redstone	3B	Green, coarse-gr biotite-hornblende, "Conway Green".*			
			Do	15B	Lt-gray, fine-gr, biotite-muscovite.*			
			Roxbury	10RA35	Gray, fine-gr, biotite-muscovite.*			
			Rumney	10LA43	Gray, fine-gr, biotite-muscovite.*			
			Sunapee	7RA41	Gray, fine-gr, biotite-muscovite.*			
			Troy	6LB44	Gray, fine-gr, muscovite-biotite.*			
			Do	6LA44	Lt-gray, fine-gr, muscovite-biotite.*			
			W. Concord	7LA42	Gray, fine-gr, biotite-muscovite.*			
			Do	7LB42	Do.			

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description		
New Jersey Conglomerate							
Boonton	5RB43	Reddish, coarse-gr, compact.	Santa Fe	7RB45	Lt-gray, fine-gr, rhyolite tuff.* (used in Santa Fe Cathedral)		
May's Landing	9LA36	Brown, coarse-gr, porous, ferrug.	New Mexico Tuff				
Atlantic Co.	5LB42	Reddish-brown and white, coarse-gr, compact.	New York Argillite (Slate)				
New Jersey Diabase							
Jersey City	10LA42	Dark-gray, fine-gr.*	Granville	9LA31	Green and red, rough texture, roofing.*		
Do	10RB46	Nearly black, fine-gr.*	Hampton	9RA30	Green, rough-texture, roofing slate.*		
Lambertville	6LB43	Dark-gray, fine-gr.*	Middle Granville	10RB30	Purple, rough-texture, roofing slate.*		
Rock Church	5LA42	Gray, fine-gr.*	New York Dolomite				
Rocky Hill	6RB43	Dark-gray, very fine-gr.*	Lockport	13LB6	Lt-gray, fine-gr, compact, fossil U. Sil.*		
Weehawken	5RA43	Dark-gray, fine-gr.*	Rochester	11RA7	Dark-drab, fine-gr, compact Devonian.*		
W. New York	10RA44	Gray, fine-gr.*	New York Gneiss				
New Jersey Dolomite							
Newton	13LB12	Dark-gray, fine-gr, compact, L. Sil.*	Hastings	6LB29	Dark-gray, white-banded, fine-gr biotite.*		
New Jersey Gneiss			New York Limestone				
Bloomingdale	5RB42	Greenish-gray, fine-gr, biotite.*	Amsterdam	14RB6	Nearly black, fine-gr, compact, mg, L. Sil.*		
Dover	5RA42	Greenish-gray, med-gr, non micaceous hornblende.*	Buffalo	11RA6	Dark-gray, med-gr, compact, mg, Devonian.*		
New Jersey Granite			Canajoharie	12LA7	Dark-gray, coarse-gr, compact, mg, fossil L. Sil.*		
Charlotteburgh	9LA35	Pink, coarse-gr, biotite.*	Cobleskill	12RA8	Black, fine-gr, compact, mg, Devonian.*		
Pompton Jct.	5RA17	Pink and green, coarse-gr, pegmatite, "Pompton Pink".*	Cottonwood Sta.	13LA37	Lt-gray, med-gr, somewhat porous.		
Do	5LB41	Do.	Crown Point	12RA7	Nearly black, fine-gr, compact, mg, U. Sil.*		
Morristown	5LA41	Dark-green and white coarse-gr, hornblende.	Howe's Cave	13RA5	Black, fine-gr, compact, mg, U. Sil.*		
New Jersey Sandstone			Do	11RB5	Black, fine-gr, compact, mg, U. Sil.*		
Avondale	7RB39	Brownish-purple, med-gr, porous Trias.*	Do	14RB7	Nearly black, fine-gr, compact, mg, fossil U. Sil.*		
Belleville	8RB40	Do.	Indian Res.				
Do	8RA40	Brown, med-gr, porous porous Trias.*	Onondaga Co.	12RB7	Gray, med-gr, compact, fossil, mg.*		
Do	9RB36	Brownish-purple, fine-gr, porous Trias.*	Kingston	13RB5	Dark-gray, med-gr, compact, mg Carb.*		
Do	7RA39	Brownish-purple, med-gr, porous Trias.*	Le Roy	12LB7	Dark-gray, fine-gr, compact, mg Devonian.*		
Danville	8RB41	Dark-gray, coarse-gr, compact.*	Louisville	8LA6	Gray, med-gr, compact.*		
Greensburg	8RA41	Lt brownish-purple, coarse-gr, compact Trias.	Onondaga	10LA7	Dark-gray, med-gr, compact, fossil, mg Devonian.*		
Little Falls	8RB39	Lt-brown, fine-gr, porous Trias.*	Prescott	10RA10	Gray, med-gr, compact, fossil, mg L. Sil.*		
Martinsville	6RA42	Drab, fine-gr, compact Trias.*	Sandy Hill	8RA6	Dark-gray, fine-gr, compact L. Sil.*		
Newark	8LA42	Purplish-brown, fine-gr, porous Trias.*	Saratoga	14RA7	Black, fine-gr, compact L. Sil.		
Do	7LB40	Brownish-purple, fine-gr, porous Trias.*	Schoharie	12LB6	Black, fine-gr, compact, mg U. Sil.*		
Orange Mt.	7LA40	Purplish-brown, med-gr, porous Trias.	S. Glenn Falls	14LB8	Nearly black, fine-gr, compact, mg L. Sil.*		
Patterson	7LA39	Brownish-purple, med-gr, porous Trias.	Springfield Center	12RB8	Dark-drab, fine-gr, compact, mg Devonian.*		
Pleasant Val.	7LB39	Brown, fine-gr, porous Trias.*	Three Mile Bay	11RB7	Gray, fine-gr, compact, fossil, mg L. Sil.*		
Do	6LA43	Brown, fine-gr, porous Trias.	Union Springs	11LA4	Black, fine-gr, compact, mg Devonian.*		
Princeton	11RB38	Greenish-gray, fine-gr, compact Trias.*	Waterloo	13LA6	Black, fine-gr, compact, mg Devonian.*		
Quarryville	8LB42	Dark blue-gray, fine-gr, compact L. Sil.*	Williamsville	13RB35	Gray, med-gr, compact, fossil, mg Devonian.*		
Stockton	6LA42	Lt purplish-brown, coarse-gr, porous Trias.*	Willsborough	13RB6	Black, fine-gr, compact, fossil, mg L. Sil.*		
Do	6LB42	Lt-gray, rust-spotted, med-gr, compact Trias.*	New York Marble				
Woodsville	11RB37	Blue-black, fine-gr, compact.*	See also S-2 of table 4				
New Mexico Sandstone							
Las Vegas	8RA47	Brownish-purple fine-gr, compact.	Chazy	12RB30	Gray, pink-spotted, med-gr, compact, fossil L. Sil.		
Do	11RB45	Lt-red and white-banded, med-gr, porous.	Greensport	11LA30	Gray and pink, med-gr, fossil U. Sil.*		
Do	7RA44	Lt-gray, fine-gr, porous.	Lockport	13LB5	Pinkish-gray, coarse-gr, mg. fossil U. Sil.*		
Do	8LA47	Pink, fine-gr, porous sandstone.	Moriah	3L5	Gray, green-spotted, coarse, verde-antique.		
Do	11LB44	Purplish-red, fine-gr, compact.	Do	3R5	Cut from same block as 3L5.		
Santa Fe	7LA45	Brownish-purple, coarse-gr, porous.*	Pleasantville	11LB3	White, coarse-gr, Archaen, mg, "Snowflake Marble".*		
Valencia Co.	8LB47	Reddish-brown, fine-gr, porous.*	Port Henry	13LB38	Gray, green-spotted, coarse-gr calc serpentine.*		
New Mexico Serpentine			Sing Sing	11LB24	White, med-gr dolomite.		
Grant County	7RA45	Green and white-banded, fine-gr, "Riccolite".*	South Dover	12LB5	White, med-gr Archaean dolomite.*		
Gila River	10LB49	Do.	S. Glenn Falls	11RB6	Black, fine-gr compact, mg L. Sil.*		
Do	10RB50	Cut from same block as 10LB49.	Tuckahoe	14LB7	White, coarse-gr Archaean dolomite.*		
Do	11RB43	Green and white-banded, fine-gr, "Riccolite".*	Do	13RA6	Do.		
Do	11RB44	Cut from same block as 11RB43.	Do	14LB6	Do.		

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description			
New York Quartzite								
Fort Ann	9LB32	Buff, fine-gr, compact.*	Hickory	11LB42	Gray, coarse-gr biotite.*			
New York Sandstone								
See also S-2, 9 S-2, 131, and 21EE of table 4								
North Carolina Granite								
See also S-2 of table 4								
Albion	6RA29	Brownish-purple, fine-gr, compact U. Sil.*	Alamance Co.	8LB24	Gray, fine-gr biotite granite.			
Do	7RA27	Purplish-brown, fine-gr, compact U. Sil.*	Do	7LA21	Gray, fine-gr biotite-muscovite.			
Do	8RB29	Brownish-purple, fine-gr, compact U. Sil.*	Asheville	7LA22	Lt-gray, fine-gr biotite.			
Belfast	6RA28	Drab, med-gr, compact.*	Buckhorn Falls	7LA23	Lt-gray, green-spotted, med-gr biotite.*			
Roiceville	8RA30	Dark greenish-gray, fine-gr, compact, Devonian.*	Charlotte	8LB26	Gray, med-gr biotite.			
Broadhead's Bridge	8RB30	Dark blue-gray, fine-gr, compact Devonian.*	Do	6LB24	Gray, coarse-gr biotite.			
Do	8RB28	Do.	Concord	6LA24	Lt-red, fine-gr biotite.			
Camden	7RA26	Gray, fine-gr, compact U. Sil.*	Contentnea Cr.					
Canisteo	6RB28	Lt-gray, fine-gr, compact Devonian.*	Wilson Co.	7LB21	Pink, coarse-gr, porphyritic biotite.			
Corning	8RA29	Blue-gray, fine-gr, compact, calk Devonian.*	Danbury	8LB23	Pinkish-gray, coarse-gr biotite.			
Covert	7RB26	Dark blue-gray, fine-gr, compact, calk Devonian.*	Davidson College	5LA23	Dark-gray, med-gr hornblende-biotite.*			
Guilford	8RA28	Blue-gray, fine-gr, compact Devonian.*	Do	5LB23	Gray, coarse-gr biotite.*			
Guilford Cntr. Chenango Co.	9RA27	Dark-drab, fine-gr, compact Devonian.*	Gaston Co.	6RA38	Gray, coarse-gr biotite.*			
Hallihan's Hill	7LA27	Dark blue-gray, fine-gr, compact Devonian.*	Gastonia	7RA23	Gray, fine-gr muscovite-biotite.*			
High Woods	6LA29	Dark blue-gray, fine-gr, compact Devonian.*	Greensborough	8RB23	Gray, fine-gr biotite.			
Hulberton	8LB28	Brownish-purple, fine-gr, porous U. Sil.*	Hillsboro	8RB26	Pink, fine-gr biotite.*			
Huntersland	9RB26	Blue-gray, fine-gr, compact Devonian.*	Lexington	8RB25	Gray, fine-gr biotite.			
Ithaca	10LB32	Dark blue-gray, fine-gr, compact Devonian.*	Louisburg	10LB27	Gray, pink-spotted, fine-gr biotite.			
Lockport	8LA30	Lt-gray, fine-gr.*	Do	5RB25	Lt-gray, fine-gr biotite.*			
Margarettville	7RB25	Blue-gray, med-gr, porous Devonian.*	Mecklenburg Co.	5RA25	Gray, coarse-gr hornblende.*			
Medina	10RB29	Lt purplish-pink, fine-gr, porous U. Sil.*	Mooresville	5RB23	Gray, fine-gr biotite.*			
Mt. Pleasant	6LB28	Blue-gray, fine-gr, compact Devonian.*	Mt. Airy	6RB23	Yellowish-gray, med-gr biotite.*			
Olean	6LA28	Gray, fine-gr, compact Devonian.*	Do	2B	Lt-gray, med-gr biotite, "Mt. Airy".*			
Oneonta	7LA26	Blue-gray, fine-gr, compact Devonian.*	Mt. Monroe	5RB22	Gray, coarsely porphyritic biotite.*			
East Shore			Oxford	8RB24	Dark-gray, coarse-gr biotite.*			
Otsego Lake	9LB28	Dark bluish-gray, fine-gr, compact Devonian.*	Poison Springs	5RA22	Gray, med-gr biotite.*			
Do	9LA29	Do.	Rockingham	5RA23	Greenish-gray, coarse-gr biotite.			
Phoenicia	8LB30	Blue-gray, fine-gr, compact Devonian.*	Do	5RA24	Pinkish-gray, coarse-gr porphyritic biotite.*			
Do	9RA29	Do.	Salisbury	6RB24	Lt-gray, fine-gr Archaean biotite.*			
Do	7LB27	Dark-gray, fine-gr, compact Devonian.*	Do	6RA23	Pinkish-gray, coarse-gr biotite.*			
Potsdam	9RB27	Red and white banded, med-gr, compact L. Sil.*	Do	6RA24	Brownish-gray, med-gr biotite.*			
Pultney	9RB28	Blue-gray, fine-gr, compact Devonian.*	Toisnot	5RB21	Pink, med-gr biotite "Salisbury".*			
Reedsville	8LB29	Dark blue-gray, fine-gr, compact Devonian.*	Warren Plains	7RB22	Gray, pink-spotted, med-gr biotite.*			
Sawkill	9RB29	Dark blue-gray, fine-gr, compact Devonian.*	Warrenton	5PB24	White, fine-gr muscovite.			
Schenectady	9LB29	Dark blue-gray, fine-gr, compact L. Sil.	Winston	5RB38	Lt-gray, fine-gr biotite.			
Ulster Co.			North Carolina Limestone					
Snider Hollow	9RA28	Dark blue-gray, fine-gr, compact Devonian.*	Newbern	9RB5	Buff, coarse-gr, coarsely cellular Eocene.			
South Unadilla	12RQ	Dark-gray, fine-gr bluestone.*	Rock Point	12LA33	Buff, coarse-gr, compact, fossil Eocene.*			
Steeny Kill	8LA29	Dark blue-gray, fine-gr, compact Devonian.*	Warm Springs	13RB25	Nearly black, fine-gr, compact.			
Stony Hollow			North Carolina Marble					
Ulster Co.	9RB30	Dark blue, fine-gr, compact Devonian.*	Murphy	9LB4	Dark-blue, fine-gr Archaean calc.*			
Trumansburg	9LB30	Dark blue-gray, fine-gr, compact.*	Nantahala	12LB34	Lt-pink, fine-gr Archaean calc.			
Warsaw	9LA28	Blue-gray, fine-gr, compact, argil Devonian.*	Red Marble Gap	10RB19	Pink, fine-gr Archaean calc.*			
Watkins Glen	9LB31	Blue-gray, fine-gr, compact Devonian.*	Valley Town	9RB4	Blue-black, fine-gr Archaean calc.*			
W. Hurley	8LA28	Dark blue-gray, fine-gr, compact Devonian.*	North Carolina Quartz Porphyry					
W. Liberty	9LA30	Gray, med-gr, compact Devonian.*	Charlotte	7LB23	White, dark-spotted, "Leopard Rock".*			
Woodstock	7LB26	Dark blue-gray, med-gr, compact Devonian.*	North Carolina Quartzite					
North Carolina Dolomite								
Nottla	12LB2	Lt-blue, fine-gr, compact Archaean.	Hot Springs	7RA22	Purple, fine-gr, compact.			
North Carolina Gneiss								
Alexander	5LB22	Dark-gray, med-gr hornblende-biotite.	North Carolina Sandstone					
Greensburg	5LA21	Gray, coarsely porphyritic biotite.	Durham	8RA24	Lt-gray, fine-gr, porous Trias.*			
Henderson	5LA22	Pinkish-gray, med-gr biotite.	Do	8LA25	Lt purplish-brown, fine-gr, compact Trias.			
Henry's Station McDowell Co.	5LB21	Dark-gray, coarse-gr biotite.*	Egypt	8RA25	Lt-brown, fine-gr, porous Trias.			
			Morrisville	8RA26	Lt-brown, fine-gr, porous Trias.			
			Raleigh	6L48	Brownish-gray, coarse-gr, porous.			
			Do	6R48	Cut from the same block as No. 6L48.			
			Do	9RA24	Do.			
			Do	9LA25	Do.			
			Do	9LA26	Do.			
			Do	9RA25	Do.			
			Sanford	8LA24	Lt reddish-brown, fine-gr, porous Trias.			
			Wadesboro	8LA26	Brownish-purple, fine-gr, porous Trias.			

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description
North Carolina Serpentine					
Reem's Creek	9LB25	Dark brownish-green, light-green specks.	Amherst	7RB19	Lt-brown, med-gr, porous L. Carb.*
Ohio Dolomite			Do	5RB1	Do.
Bath Twp. Allen Co.	12RB12	Dark, fine-gr, compact, argil, bitum.*	Do	1RQ	Buff, med-gr, porous, "Berea Buff".*
Bellefontaine	13RA10	Buff, fine-gr, porous, Devonian.*	Do	2RQ	Gray, med-gr, porous, "Berea Gray".*
Bluffton	14RB11	Dark, buff-streaked, fine-gr, compact, bitum U. Sil.*	Do	3RQ	Buff, med-gr, porous, "Berea Bull".*
Columbus Grove	14RA13	Dark-gray, fine-gr, porous, bitum U. Sil.*	Bedford	4RQ	Gray, med-gr, porous, "Berea Gray".*
Covington	13LB11	Buff, fine-gr, compact, siliceous U. Sil.*	Bellaire	5RB3	Lt-buff, coarse-gr, porous L. Carb.*
Eaton	11LB12	Drab, fine-gr, porous, U. Sil.*	Do	5RA3	Gray, med-gr, porous Carb.*
Euphemia	12LA10	Drab, dark-spotted, fine-gr, porous, siliceous U. Sil.	Belleville	5RB4	Gray, coarse-gr, porous Carb.*
Do	11LA9	Lt-buff, med-gr, compact, bitum.*	Berea	5RA9	Brown, coarse-gr, porous L. Carb.*
Fremont	13LA12	Lt-gray, fine-gr, porous U. Sil.*	Do	5RA10	Lt-gray, fine-gr, porous L. Carb.
Greenfield	14LB11	Dark-gray, fine-gr, porous, bitum U. Sil.*	Do	8LB20	Buff, med-gr, porous L. Carb.*
Do	13RB12	Lt-gray, fine-gr, compact, bitum, U. Sil.*	Do	4L9	Lt-gray, fine-gr, porous.
Holmes Twp. Crawford Co.	12RB13	Dark-gray, fine-gr, compact Devonian.*	Brooklyn	4R9	Do.
Kelley's Isl.	13RA12	Drab, fine-gr, compact Devonian.*	Do	8L48	Do.
Lexington	12RA12	Dark-gray, fine-gr, compact, bitum, U. Sil.*	Do	8R48	Do.
Lima	12RA13	Dark, fine-gr, porous, argil, bitum.*	Do	9RB21	Do.
Do	10LA11	Dark, fine-gr, porous, bitum U. Sil.*	Brooklyn	8RA21	Lt-buff, rust-spotted, med-gr, porous L. Carb.*
Milton Twp. Woods Co.	11RA10	Gray, fine-gr, compact Devonian.*	Brownhelm	5RB5	Lt-buff, med-gr, porous L. Carb.*
New Paris	12LB10	Drab, fine-gr, compact U. Sil.*	Buena Vista	5RA4	Gray, fine-gr, porous L. Carb.*
Pt. Marblehead	12LA11	Lt-gray, fine-gr, porous, bitum Devonian.*	Cambridge	5RA15	Lt-gray, coarse-gr, porous Carb.*
Riley Twp. Putnam Co.	11LB11	Dark, mottled, fine-gr, porous, bitum, U. Sil.*	Canal Dover	5RB2	Lt-gray, coarse-gr, porous Carb.*
Sandusky	13RB10	Lt-gray, fine-gr, porous, bitum, U. Sil.*	Tuscarawas Co.	7RA19	Lt-yellowish, coarse-gr, porous Sub-Carb.*
Do	13LB9	Gray, fine-gr, compact, bitum Devonian.*	Carrollton	5RA14	Gray, fine-gr, compact Sub-Carb.
Do	14RB13	Lt-gray, mottled, fine-gr, compact, bitum, Devonian.*	Columbus	5RA14	Red and buff streaked, coarse-gr, porous Carb.*
Springfield	13RA11	Dark, coarse-gr, porous U. Sil.*	Cumberland	5RB7	Greenish-gray, med-gr, compact Carb.*
Do	13LB10	Lt-gray, fine-gr, cellular, porous U. Sil.*	Do	5RB6	Gray, med-gr, porous Carb.*
Tiffin	14LB12	Lt-buff, fine-gr, porous, bitum U. Sil.*	E. Cleveland	5RA18	Lt-buff, med-gr, porous L. Carb.*
Do	14RA12	Do	Elyria	8RA20	Buff, med-gr, porous L. Carb.*
Urbana	14LA13	Lt-gray, fine-gr, compact, bitum, U. Sil.*	Euclid	7RA20	Gray, fine-gr, porous L. Carb.
Van Wert	10RA14	Lt-drab, fine-gr, porous U. Sil.*	Glenmont	5RA12	Gray, fine-gr, porous L. Carb.*
White House	10RA13	Gray, fine-gr, porous Devonian.*	Do	7R21	Buff, med-gr, "Briar Hill".*
Do	10RA15	Do	Do	7L20	Do.
Yellow Springs	13RB11	Drab, fine-gr, cellular, fossil U. Sil.*	Do	11RQ	Do.
Do	14LA12	Buff, fine-gr, porous, fossil U. Sil.*	Do	13RQ	Do.
Ohio Limestone			Greenfield	5RA8	Gray, dark-streaked, fine-gr, compact L. Carb.*
Bloomville	10LA10	Gray, fine-gr, compact, mg, Devonian.*	Harmer	9RB20	Greenish-gray, med-gr, porous L. Carb.*
Columbus	10LA12	Dark, fine-gr, compact, mg, Devonian.*	Howard Station	5RA6	Yellow, brown-streaked, coarse-gr, porous L. Carb.*
Covington	13LA10	Bluish-drab, fine-gr, compact, mg, U. Sil.*	Knox Co.	5RA6	Gray, dark-streaked, fine-gr, compact L. Carb.*
Dayton	14LB13	Lt-gray, fine-gr, compact, mg.*	Iberia	5RA2	Greenish-gray, med-gr, porous L. Carb.*
Do	12RA14	Bluish-drab, fine-gr, compact, mg, U. Sil.*	Independence	5RB8	Lt-buff, fine-gr, porous L. Carb.*
Hamilton	8LB8	Dark-gray, coarse-gr, compact, fossil.*	Do	7RB20	Gray, coarse-gr, porous L. Carb.*
Lumberton	11LA33	Yellow-spotted, fine-gr, porous U. Sil.*	Kipton	5RQ	Buff, coarse-gr, porous L. Carb.
Millersburg	12RB33	Dark, white-spotted, fine-gr, compact Carb.*	Do	7RQ	Gray, fine-gr, porous, "Kipton Gray".*
Newtonville	13LA40	Lt-gray, fine-gr, compact L. Carb.*	Lancaster	10LB20	Do.
Piqua	14RB40	Dark, mottled, fine-gr, compact U. Sil.*	Do	9LA21	Bright-yellow coarse-gr, porous L. Carb.*
Piqua River	13LA11	Lt-gray, fine-gr, compact, mg.*	Do	6RA20	Do.
Xenia	8RB9	Lt-gray, fine-gr, compact pyritiferous U. Sil.*	Leesville	5RA16	Lt-gray, coarse-friable L. Carb.*
Zanesville	12LB31	Dark, fine-gr, compact, fossil Carb.*	Lewis Mills	5RA7	Gray, fine-gr, porous L. Carb.*
Ohio Marble			Lithopolis	5RA11	"Freestone".*
Spring Mills	12RA29	Lt-gray, black-banded, med-gr calc.	Logan	9LA22	Buff, coarse-gr, porous L. Carb.*
Do	14LB41	Bluish-gray, med-gr calc.	Mansfield	5RA19	Red, coarse-gr, porous L. Carb.*
Ohio Sandstone			Do	9LB22	Buff, coarse-gr, porous L. Carb.*
See also S-1, S-2, S-3, WE and EE of table 4			Marietta	5RA13	Gray, fine-gr, porous Carb.*
Akron	7LA19	Buff, coarse-gr, porous Carb.*	Do	6RB21	Buff, coarse-gr, porous L. Carb.*
Amherst	6RB20	Lt-gray, fine-gr, porous L. Carb.	Monclava	5LA7	Gray, fine-gr, porous Carb.*
Do	8RB21	Lt-buff, fine-gr, porous, laminated L. Carb.*	Mt. Gilead	9RA21	Drab, fine-gr, porous L. Carb.*
Akron			Do	5LA19	Lt-gray, fine-gr, porous L. Carb.*
Amherst			Do	5LA1	Buff, fine-gr, porous L. Carb.*
Do			Do	6LA20	Lt-gray, fine-gr, porous L. Carb.*
Norwalk			Do	5LB6	Pinkish-yellow, coarse-gr, porous L. Carb.*
Do			Do	9RA22	Buff, coarse-gr, porous L. Carb.*
Newburgh			Do	5LB5	Gray, coarse-gr, porous L. Carb.
Do			Do	5LB2	Gray, fine-gr, porous L. Carb.*
New Lisbon			Do	5LA13	Gray, coarse-gr, porous Carb.*
New Philadelphia			Do	5LB4	Buff, coarse-gr, porous Carb.*
N. Bloomfield			Do	5LB7	Gray, fine-gr, compact L. Carb.*
N. Hampton			Do	5LB1	Gray, fine-gr, porous L. Carb., "Bluestone".*
Plymouth			Norwalk	5LA4	Gray, brown-banded, med-gr, porous L. Carb.*
Portsmouth			Do	5LA2	Lt-gray, fine-gr, porous L. Carb.*
Plymouth			Peninsula	5LA3	Gray, coarse-gr, porous L. Carb.*
Portsmouth			Piketon	5LA9	Lt-gray, fine-gr, porous L. Carb.*
Plymouth			Do	5LA5	Brown, fine-gr, porous L. Carb., freestone.*
Portsmouth			Plymouth	5LA18	Lt-gray, fine-gr, porous L. Carb.*
Portsmouth			Portsmouth	8LA20	Lt-drab, fine-gr, porous L. Carb., freestone.*

TABLE 1. Source, classification, and description of domestic stones in south face of wall—Continued

Specific source	Wall No.	Description	Specific source	Wall No.	Description
Pennsylvania Diorite					
Reading	8LB19	Black and white-spotted, coarse-gr, slightly porous.			
Pennsylvania Dolomite					
Carlisle	11RB8	Black, fine-gr, compact L. Sil., calk.*			
Chambersburg	14RB9	Blue-black, fine-gr, compact, calk, L. Sil.*			
Easton	10LA8	Nearly black, fine-gr, compact L. Sil.*			
Harrisburg	11LB6	Do.			
Kerberburgh	14LA10	Lt-yellow, fine-gr, compact L. Sil.			
Leaman Place					
Lancaster Co.	14RB10	Dark blue-gray, banded, fine-gr, compact L. Sil.*			
Mill Lane					
Chester Co.	14RA10	Lt-gray, fine-gr, compact L. Sil.			
Orbisonia	12LA9	Nearly black, fine-gr, compact L. Sil.*			
Plymouth	13LA8	Lt-drab, fine-gr, compact L. Sil.			
Potts Landing					
Berk's Co.	13RB9	Bluish-gray, fine-gr, compact L. Sil.			
Reading	11LB7	Dark-gray, banded, fine-gr, compact L. Sil.*			
Valley Branch					
Chester Co.	13RA8	Bluish-drab, fine-gr, compact.*			
Williams' Station					
Berk's Co.	12RB10	Lt-yellow, fine-gr, compact L. Sil.			
York	10RA11	Black, fine-gr, compact, calk, L. Sil.*			
Pennsylvania Gneiss					
Chester	7LB18	Gray, coarse-gr, biotite.*			
Do	7LB17	Dark-gray, fine-gr biotite.*			
Do	6RB18	Lt-gray, fine-gr, garnet biotite-muscovite.*			
Philadelphia	6LB18	Dark-gray, fine-gr hornblende.*			
Do	6RB17	Dark-gray, fine-gr biotite.*			
Reading	7RB17	Gray, coarsc-gr.			
Pennsylvania Granite					
Allentown	6LB17	Gray, red-spotted, med-gr hornblende-biotite.			
Siesboltzville	7RB18	Gray-mottled, fine-gr hornblende-biotite.			
Pennsylvania Limestone					
Connellsville	7RA14	Lt-blue, med-gr, compact L. Carb.*			
Cove Station					
Bedford Co.	11RA8	Gray, coarse-gr, compact, mg, cryst Devonian.*			
East Conshohocken	7LA13	Blue-gray, med-gr, compact, micaceous L. Sil.			
Flourtown	14LB9	Lt-yellow, blue-spotted, fine-gr, compact L. Sil.			
Harrisburg	7RA13	Dark blue-gray, white-veined, fine-gr, compact L. Sil.			
Hummelstown	7LA12	Blue, fine-gr, compact L. Sil.			
Huntingdon	12RB32	Nearly black, fine-gr, compact.*			
Hyndman	14LB39	Black, fine-gr, compact.*			
Lebanon	7RA15	Nearly black, fine-banded, fine-gr, compact L. Sil.			
Do	7LA16	Dark blue-gray, fine-gr, compact L. Sil.			
Do	7LA15	Dark blue-gray, fine-gr, compact L. Sil.			
Mertztown	8RB17	Do.			
Morrell	13RB8	Dark-gray, coarse-gr, compact, mg L. Sil.*			
Myerstown	13RB37	Blue-gray, fine-gr, compact L. Sil.			
N. Annville	13RB36	Dark blue-gray, fine-gr, compact L. Sil.			
Palmyra	14LB38	Do.			
Paxton Station					
Dauphin Co.	13LB39				
Richland Station					
Lebanon Co.	8LB17	Blue-gray, fine-gr, compact, cryst L. Sil.			
Do	13RA37	Do.			
Spruce Creek					
Huntingdon Co.	14LA9	Black, fine-gr, compact, mg L. Sil.*			
Vanport	14RA9	Dark-gray, coarse-gr, compact, fossil, mg Carb.*			
Wernersville	7LA14	Water-blue, dark-veined, fine-gr, compact, cryst L. Sil.			
Do	7RA16	Dark blue-gray, fine-gr, compact, cryst L. Sil.			

TABLE 1. Source, classification, and description of domestic stones in south face of wall—Continued

Specific source	Wall No.	Description	Specific source	Wall No.	Description
Pennsylvania Marble					
Amityville	14RB39	Brown and gray, coarse, calk breccia.*	Queens Run Clinton Co.	6LA18	Dark-gray, fine-gr, compact Devonian.*
Avondale	11LB9	White, med-gr, dolomitic.	Reading	6LA12	Brownish-purple, med-gr, porous Trias.*
Do	12LB9	Cut from same block as 11LB9.	Scranton	6LA5	Gray, med-gr, porous, Sub-Carb.*
Do	12LB30	Brownish-gray, coarse micaceous.*	Do	6LA11	Buff-banded, coarse-gr, compact Devonian.*
Bridgeport	14LB40	Lt-blue, dark-spotted, med-gr, L. Sil.*	Scottdale	6LA6	Brown-handled, fine-gr, compact Carb.*
Cedar Hollow Lime Co.	11LA7-	Lt-gray, fine-gr mg L. Sil.	Sharon	9RB18	Do.
Columbia	13RA39	Dark blue-gray, fine-gr.*	Schickshinny Luzerne Co.	6LB11	Buff, coarse-gr, porous Carb.*
Do	13LA39	Do.	Do	9LA17	Blue-gray, fine-gr, compact Carb.*
Howellsburg	13RA38	Nearly white, fine-gr L. Sil.	Do	6LB4	Dark-gray, coarse-gr, compact Carb.*
Lancaster	13LB8	Black, fine-gr, compact, L. Sil.	Skinner's Eddy	6LA17	Lt-blue-gray, fine-gr, compact Devonian.*
Morristown	12RB31	dolomite.*	Stoneboro	6LA10	Lt-brown, coarse-gr, porous Carb.*
Pine Grove Schuylkill Co.	14RB38	White, fine-gr L. Sil.	Stoop's Ferry	10LB19	Gray, fine-gr, porous, argil Carb.*
West Grove Chester Co.	11RA34	Dark-gray, mottled, fine-gr L. Sil.	Titusville	6LA16	Lt-buff, fine-gr, porous Carb.*
Do	13LA38	White, med-gr, dolomitic.	Uniontown	9RA20	Buff, fine-gr, porous Sub-Carb.*
Wrightsville	12RA10	White, marked with gray, med-gr, dolomitic.	Wampum	6LA4	Buff, coarse-gr, porous Carb.*
York	14LB10	Nearly white, fine-gr, dolomitic L. Sil.*	Do	6LB10	Brown, fine-gr, compact Carb.*
		Pink and white, fine-gr, compact, mg L. Sil.*	Warren	6LA3	Lt-gray, med-gr, porous Carb.
			Washington	6LA15	Yellowish-brown, coarse-gr, porous Carb.*
			Waynesburgh	6LA9	Buff, coarse-gr, porous Carb.*
			Webster	6LB8	Brownish-gray, banded, fine-gr, Carb.*
			Yardleyville	6LB7	Lt-brown, med-gr, porous Trias.*
Pennsylvania Sandstone					
See also S-1, EE, and WE of table 4					
Pennsylvania Quartz					
Pine Grove	6LA19	Dull-red, coarse-gr, quartz porphyry.			
Pennsylvania Quartzite					
Huntingdon	6RB1	Lt-gray, fine-gr.*			
Jacksonwald	6RA19	Lt-gray, fine-gr, compact.*			
Mapleton	7LA18	Lt-gray, fine-gr, compact, U. Sil.*			
Pennsylvania Serpentine					
Chester	6RB9	Green, coarse-gr, impure.*			
W. Chester	10LB16	Do.			
Do	8LB18	Do.			
Pennsylvania Soapstone					
Montgomery Co.	10LB17	Gray, dark-mottled, coarse-gr, compact.*			
Do	7RB16	Do.			
Rhode Island Gneiss					
Diamond Hill	10LA48	Greenish-gray, fine-gr, hornblende.*			
Rhode Island Granite					
Niantic	5RA46	Gray, fine-gr biotite.*			
Smithfield	10RA46	Pink, coarse-gr biotite.*			
Westerly	5LA46	Pink, fine-gr biotite.*			
Do	4RB18	Lt-gray, fine-gr biotite.*			
West Greenwich	10LB48	Lt-pink, coarse-gr biotite.*			
Do	10RB47	Do.			
South Carolina Granite					
Aiken Co.	5LA39	Gray, fine-gr biotite.			
Do	6LA41	Dark-gray, coarse-gr biotite.			
Batesburg	6RB42	Dark-gray, med-gr biotite.			
Charleston	5LB39	Gray, fine-gr biotite.			
Columbia	5RB40	Gray, med-gr biotite.			
Edgefield Co.	6LB41	Gray, fine-gr biotite.			
Fairfield Co.	5RB41	Gray, med-gr biotite.			
Do	5LB40	Gray, fine-gr biotite.			
Greenville	5LA40	Dark-gray, fine-gr biotite.			
Newberry Co.	5RA41	Gray, fine-gr biotite.			
Rion	5RA40	Gray, med-gr biotite.*			

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description
South Carolina Marble					
Unknown.....	11LA34	Lt blue-gray, dark-banded, med-gr calc.	Calhoun.....	14LB5	Pinkish-gray, coarse, mg L. Sil.*
Poor Mountain	13LB41	Grayish-white, coarse-gr.	Do.....	13LA3	Pinkish-gray, coarse, fossil, mg L. Sil.*
South Dakota Quartzite					
Sioux Falls.....	10LB40	Reddish, fine-gr, compact.*	Cleveland.....	11RA4	Pink, coarse, mg, L. Sil.*
Do.....	9LB35	Lt-reddish, fine-gr, Potsdam.*	Do.....	12LA5	Do.
South Dakota Sandstone See also 7WE of table 4					
Hot Springs.....	11RB26	Pink, med-gr, porous.*	Davidson Co.....	8RB4	Olive-green, coarse, fossil L. Sil.*
South Dakota Travertine			Doughertyville	8RB6	Reddish-brown, med-gr, fossil L. Sil.
Pringle.....	11LA31	White yellow-banded, med-gr travertine.	Do.....	3L13	Cut from the same block as 3L13.
Tennessee Conglomerate			Do.....	3R13	Variegated, med-gr, fossil L. Sil.
Ocoee River Polk Co.....	11RA39	Greenish-gray, fine-gr, compact.	Do.....	10LB3	Pinkish-gray, med-gr, fossil L. Sil.
Tennessee Gneiss			Knoxville.....	3L12	Cut from the same block as 3L12.
Owen's Bluff Polk Co.....	11RA35	Black and white-spotted, coarse, siliceous.	Do.....	3R12	Pink, med-gr, fossil.
Wolf Creek Cocke Co.....	10RA48	Gray and pink, fine-gr, compact conglomerate.	Do.....	11LA28	Cut from the same block as 11LA28.
Tennessee Granite			Do.....	11RA32	Pink, med-gr, fossil L. Sil.*
Carter Co. S. E. part.....	10RA49	Gray, coarse-gr hornblende.	Do.....	9RB3	Lt-gray, med-gr, fossil L. Sil.
Rip Shin Mt.....	11RA36	Pink, med-gr biotite.	Do.....	11LA24	Pink, med-gr, fossil L. Sil.
Tennessee Limestone			Do.....	13RB29	Pink, med-gr, fossil L. Sil.
Carter's Station Creek.....	14RA28	Lt-gray, coarse-gr, compact, fossil.	Do.....	13LA28	Pink, med-gr, fossil Trenton.*
Cowan.....	13LB27	Gray, med-gr, compact, oolitic.	Do.....	8RA5	Pink, med-gr, fossil L. Sil.*
Columbia.....	14RB28	Lt-gray, med-gr, compact, fossil.	Do.....	12LB24	Variegated, med-gr, fossil L. Sil.*
Davidson Co.....	14LB28	Gray, med-gr, porous, fossil L. Sil.*	Do.....	12RB25	Pink, med-gr L. Sil.*
Knoxville.....	12RA5	Brown, gray-mottled, coarse-gr, compact, mg L. Sil.*	Do.....	4LB18	Pink, veined with gray, med-gr.
Do.....	4LB11	Pinkish-gray, med-gr, cryst, compact L. Sil.	Do.....	5LQ	Pink, med-gr calc, "Bond Pink".*
Do.....	4RB11	Pinkish-gray, med-gr, compact, L. Sil.	Do.....	7LQ	Gray, med-gr calc, "Appalachian Silver Gray".*
Lehanon Pike	12RB24	Dark-gray, med-gr, compact, cryst, fossil L. Sil.*	Do.....	9LQ	Pink, med-gr calc, "Craig Edward Medium Pink".*
Murfreesborough..	12RB5	Dark-gray, fine-gr, compact, mg, fossil L. Sil.	Do.....	11LQ	Gray, med-gr calc, "Gray Knox Quaker Gray".*
Nashville.....	11RA28	Gray, med-gr, compact, fossil, L. Sil., "Capitol Quarry".*	Do.....	13LQ	Pink, med-gr calc, "Ross Pink".*
Do.....	13LA27	Do.	Do.....	11LA26	Do.
Do.....	12RA23	Black, fine-gr, compact, argil, fossil.*	Do.....	11RA30	Cut from the same block as 11LA26.
Do.....	13RA27	Buff, coarse, cellular, fossil.*	Do.....	11LA27	Gray, med-gr calc.*
Do.....	14RA27	Dark-gray, med-gr, compact, fossil L. Sil.*	Do.....	11RA31	Cut from the same block as 11LA27.
Nolensville Pike ..	10LA6	Brownish-gray, fine-gr, compact, mg, fossil L. Sil.*	Do.....	2L4	Pink, dark crowfoot veins, coarse-gr calc.*
Do.....	8RA4	Buff, fine-gr, porous L. Sil.	Do.....	2R4	Cut from the same block as 2L4.
Rogersville.....	11LA25	Brown, gray-mottled, coarse-gr, compact L. Sil.*	Do.....	10LB4	Pink, med-gr calc.*
Sherwood Station ..	11RA29	Lt-gray, fine-gr, compact, oolitic.*	Meadow.....	13RA28	Pinkish-gray, med-gr, fossil L. Sil.
Tennessee Marble			Do.....	8LA4	Buff and gray, med-gr, fossil L. Sil.
Sec also S-2, and EE of table 4			Do.....	9LA2	Lt-gray, med-gr, mg.*
Calhoun.....	13RB3	Pink, med-gr, mg L. Sil.*	Morristown.....	8LA5	Variegated, med-gr, L. Sil.*
Do.....	13RA3	Do.	Do.....	9LB3	Variegated, med-gr L. Sil.*
Do.....	13LB3	Do.	Quarryville.....	3L4	Brown, gray-spotted, coarse calc.
Do.....	10RA8	Pink, buff-mottled, coarse, breecciated, mg L. Sil.*	Do.....	3R4	Cut from the same block as 3L4.
Tennessee Sandstone			Rogersville.....	8LB4	Variegated, med-gr, fossil L. Sil.*
See also S-1 and S-2 of table 4			Do.....	12LB4	Brown and gray-mottled, coarse, mg, fossil L. Sil.*
Tennessee Syenite			Do.....	8LB5	Variegated, med-gr L. Sil.*
Texas Diorite			Do.....	9LB2	Do.
Hiwassee copper mines.....	10RA47	Gray, green-spangled, med-gr hornblende.	Do.....	14RB29	Variegated, med-gr, fossil L. Sil.*
Texas Dolomite			Do.....	14LA27	Do.
El Paso.....	6RA32	Lt greenish-gray, med-gr.	Do.....	11LB23	Brown, med-gr, fossil Niagara.*
Burnet.....	11RB2	Dull-red, variegated, fine-gr, compact.	Do.....	8RB5	Variegated, med-gr, fossil L. Sil.*
San Saba.....	14LA4	Buff, fine-gr, compact.			

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description			
Texas Granite See also S-2, 87 of table 4								
Vermont Argillite (Slate)								
Burnet	6LB32	Red, coarse-gr, biotite.*	Castleton	5RA44	Blue-black, fine-gr, rough-texture roofing slate.*			
Do	7RB29	Red, fine-gr biotite.	Fair Haven	5LA44	Red, fine-gr, rough-texture roofing and tile.*			
Kingsland	9B	Pink, coarse-gr biotite.*	Vermont Granite See also S-2, 47 and S-2, 93 of table 4					
Nr. Llano	5LA30	Gray, coarse-gr biotite.	Barre	6RB46	Lt-gray, fine-gr biotite.*			
Do	6RB31	Do.	Bethel	6LB46	White, med-gr muscovite.*			
Do	6LA32	Pink, med-gr biotite.	Brattleboro	6LB45	Lt-gray, fine-gr biotite.			
Texas Limestone See also S-2, 2, 3, 127 and 2WE of table 4			Brunswick	6RB45	Gray, fine-gr biotite.*			
Austin	11RB3	Lt-buff, fine-gr, compact, mg Cret.*	Newark	6RA45	Pink, coarse-gr biotite.			
Do	12LA4	Lt-buff, fine-gr, compact, mg Cret.	Ryegate	6RB47	Gray, fine-gr biotite-muscovite.*			
Do	13LB26	Gray-huff, coarsely fossil, compact Cret.	Do	5LA45	Gray, coarse-gr biotite-muscovite.*			
Do	13RB23	Lt-gray, fine-gr, compact.*	Woodbury	10RA45	Gray, med-gr biotite.*			
Burnet	8RB13	Drab, fine-gr, compact.*	Vermont Limestone					
Cedar Park	3C	Lt-buff, fine-gr, porous, oolitic, "Cordova Cream".*	Isle La Motte	13LA1	Dark-gray, fine-gr, fossil, mg.*			
Do	15C	Lt-buff, fine-gr, cellular, large shells, "Cordova Shell".*	Vermont Marble See also S-2, 135 to 138 of table 4					
Do	10RA20	Do.	Brandon	4LA15	White, dark veins, med-gr calc.*			
Do	10LA26	Cut from the same block as 10RA20.	Do	4RA15	Cut from the same block as 4LA15.			
Do	13LB47	Do.	Do	4LA12	White, green and gray veins, med-gr calc.*			
Do	13RB47	Do.	Do	4RA12	Cut from the same block as 4LA12.			
Do	14LA48	Lt-buff, fine-gr, porous, oolitic, "Cordova Cream".	Do	2L1	Lt bluish-gray, dark-veined calc.*			
Do	14RA48	Cut from the same block as 14LA48.	Do	2R1	Cut from the same block as 2L1.			
Round Rock	14LB27	Lt-buff, fine-gr, compact Cret.*	Center Rutland	13RB19	White, gray-veined, fine-gr, L. Sil. calc.			
San Saba	13LA26	Do.	Do	13RB21	Cut from the same block as 13RB19.			
Texas Marble			Do	12LA19	Do.			
Austin	8RB14	Buff, fine-gr, fossil.*	Do	12RA20	Do.			
Burnet	8LB12	Pink-veined, fine-gr.*	Do	4LA20	Do.			
Do	13RB22	Blue-gray, med-gr.	Do	4RA20	Do.			
San Saba	8LB13	Nearly white, fine-gr.*	Do	13LB17	White, gray-veined, fine-gr, L. Sil. calc.			
Do	11RA20	Lt-gray, coarse-gr Cret.*	Do	13LB19	Cut from the same block as 13LB17.			
Texas Sandstone			Do	12LB19	Do.			
Back Bone Valley	8RB32	Brown, coarse-gr, porous, ferrug L. Sil.	Do	12RB19	Do.			
Burnet	7RA30	Brown, coarse-gr, compact L. Sil., calk.	Do	4LA21	Do.			
Mormon Mills	10RB31	Gray, med-gr, porous Carb., calk.	Do	4LA13	White, dark veins, med-gr calc.*			
Milsap	7RB30	Reddish-brown, fine-gr, porous.*	Do	4RA13	Cut from the same block as 4LA13.			
Do	8RA32	Do.	Do	11LA19	Do.			
Pecos	8LA32	Red, fine-gr, compact.	Do	11RA18	Do.			
Do	10LB33	Do.	Do	11LB17	White, dark veins, med-gr calc., "Highland Gray Danby".*			
Do	7LB30	Do.	Do	11RB17	Cut from the same block as 11LB17.			
Do	7LA30	Do.	Danby	12LA18	White, med-gr, calc., "Imperial Yellow Danby".*			
Range	9LA32	Greenish-gray, fine-gr, porous.*	Do	12RA19	Cut from the same block as 12LA18.			
Riverside	8LB32	Gray, coarse-gr, porous.	Do	2L5	White, yellow-clouded, med-gr, calc., "Imperial Danby Building and Memorial Grade".*			
Utah Dolomite			Do	2R5	Do.			
San Pete Valley	11LB13	Dark, gray-mottled, fine-gr, compact, fossil.	Do	3L1	White, dark-clouded, med-gr, calc., "Danby D Building Grade".*			
Utah Limestone			Do	3R1	White, dark-veined, med-gr, calc., "Danby D Building Grade".*			
Ephriam	8RB15	Lt-gray, fine-gr, porous, "San Pete Stone".*	Do	3L3	White, dark-veined, med-gr, calc., "Danby D Building Grade".*			
Payson	11RB25	Drab, fine-gr, compact.	Do	3R3	Do.			
Utah Marble			Do	2I.8	Lt bluish-gray, dark-veined, med-gr calc., "Danby Highland Building Grade".*			
Beaver Co.	12LB11	White, fine-gr calc.	Do	2R8	Do.			
Clinton	8LB14	Gray and brown variegated, coarsely fossil calc.*	Do	2L7	White, dark-veined, med-gr, calc., "Danby J Building Grade and Riverside Danby Memorial Grade".*			
Do	13LB36	Buff, brown-mottled, fine-gr, fossil.*	Do	2R7	Do.			
Payson	13RB33	Lt-gray, variegated, fine-gr calc.	Do	2L6	White, dark-veined, med-gr calc.*			
Utah Sandstone			Do	2R6	Cut from the same block as 2L6.			
Red Butte	11LB32	Lt-pink, fine-gr, porous.	Do	14LB18	White, med-gr, L. Sil. calc.*			
			Do	10RA19	Do.			
			Do	13RA17	White, med-gr, L. Sil. calc., "Imperial Danby".*			
			E. Dorset	12RB3	White, blue-veined, med-gr, mg L. Sil.*			
			Florence	2L3	Lt-gray, dark-veined, med-gr, calc., "Sterling PV Memorial Grade".*			
			Do	2R3	Do.			
			Do	2L12	Lt-gray, dark and white-clouded, med-gr calc., "Standard PV Memorial Grade".*			
			Do	2R12	Do.			
			Do	2L2	Lt-gray, dark-clouded, med-gr calc., "Sterling PV Memorial Grade".*			
			Do	2R2	Do.			

TABLE 1. *Source, classification, and description of domestic stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description			
Washington Marble								
Lincoln Co.	10LA1	White, med-gr dolomitic.*	Amberg	7RB44	Red and white, coarse-gr biotite.*			
Do.	10RA2	Pale-pink, coarse-gr mgt.*	Lohrville	7RA43	Pinkish-gray, fine-gr biotite.*			
Stevens Co.	11RA2	Blue-gray, white-spotted, fine-gr, dolomitic.	Wausau	8LB44	Buff, fine-gr biotite.*			
			Do	8LA44	Dark-red, fine-gr hornblende.*			
Washington Sandstone								
Bellingham.....	11RB42	Gray, fine-gr, compact, "Chuckanut".*	Wisconsin Limestone					
Do.....	11LB41	Gray, med-gr, porous, "Chuckanut".*	Hayton	8LB15	Lt-drah, fine-gr, compact, cellular.*			
Do.....	8RA46	Gray, fine-gr, porous, Carb.*	Madison	8RB16	Buff, fine-gr, porous L. Sil.*			
Do.....	8RA45	Gray, med-gr, compact, "Chuckanut".*	Prairie du Chien	12LB29	Lt-buff, fine-gr, compact.*			
Olympia.....	8LA45	Dark-gray, med-gr, compact.*	Wisconsin Quartzite					
Pittsburgh.....	8LB46	Lt-gray, med-gr, compact, micaeous.	Stevens Point.....	7RB43	Lt-gray, fine-gr, compact.			
Tenino.....	8RB46	Lt-brown, coarse-gr, porous.*	Waterloo.....	7LA43	Gray, coarse-gr.*			
Do.....	9LB43	Gray, med-gr, porous.*	Do	6RA47	Gray, coarse-gr, compact paving stone.*			
Wilkeson.....	8LA46	Lt-gray, med-gr, compact calc.*	Wisconsin Quartz Porphyry					
West Virginia Marble								
Harpers Ferry....	8RB8	Nearly black, yellow-veined, fine-gr.	Brandon	11RB40	Nearly black, coarse-gr, compact.*			
West Virginia Sandstone			Marquette	10RB49	Dark-gray, coarse-gr, compact.*			
Berkeley Springs	10RB37	Dull-red, fine-gr, compact.	Wisconsin Sandstone					
Charleston.....	8RA39	Gray, med-gr, compact Carb.*	Ableman	9RB41	Lt-buff, fine-gr, compact L. Sil.			
Do.....	9RB35	Lt-buff, coarse-gr, porous Carb.*	Do	10RB48	Lt-buff, fine-gr, porous, friable L. Sil.*			
Grafton.....	10LB37	Lt-buff, coarse-gr, porous Carb.	Grand Rapids	9LB42	Lt-buff, fine-gr, compact L. Sil.*			
Kingwood.....	9LA34	Buff, rust-spotted, med-gr, porous.*	Mauston	10LB47	Lt-red, fine-gr, porous L. Sil.*			
Do.....	9RA36	Cut from same block as 9LA34.	Do	10LB46	Lt-gray, fine-gr, porous L. Sil.*			
Parkersburg.....	8LA40	Greenish-gray, med-gr, porous Carb.*	Packwaukee	8RB45	Lt-buff, med-gr, porous L. Sil.*			
Rowlesburgh.....	8LB40	Dark-gray, fine-gr, compact Devonian.*						
Wheeling.....	8LB39	Gray, med-gr, porous Carb.*						
Wisconsin Dolomite								
Buffalo Co.	11RB4	Lt-buff, fine-gr, compact L. Sil.*	Wyoming Diorite					
Do.....	14RA5	Yellowish-gray, fine-gr, porous L. Sil.*	Raw Hide Buttes	9RA40	Nearly black, fine-gr, compact.			
Byron.....	10RA9	Lt-gray, fine-gr, compact U. Sil.*	Wyoming Granite					
Do.....	13RB4	Lt-gray, fine-gr, compact U. Sil.*	Dale Creek	10LA47	Red, coarse-gr biotite.*			
Duck Cr. Station	12LA6	Drab, fine-gr, compact L. Sil.*	Sherman	10RA42	Pink, fine-gr biotite.			
Brown Co.	14RB5	Lt-drab, fine-gr U. Sil.*	Do	10RA43	Red, fine-gr biotite.			
Eden.....	14LA5	Lt-gray, fine-gr compact.*	Wyoming Marble					
Fon du Lac	11LB2	Lt-gray, fine-gr, compact U. Sil.*	Wheatland	12LA12	White, med-gr dolomitic.			
La Crosse.....	13LA5	Lt-huff, fine-gr, porous L. Sil.*	Wyoming Sandstone					
Manitowoc.....	12RB6	Drab, fine-gr, compact U. Sil.*	See also S-2, 1, S-2, 126, and 26WE of table 4					
Milwaukee.....	12RA6	Lt-drab, fine-gr, compact U. Sil.*						
Do.....	13RA4	Drab, fine-gr, compact Sil.*	Laramie.....	9LB44	Lt-red, fine-gr, porous.			
Neenah.....	14RA6	Dark-gray, fine-gr, compact L. Sil.*	Rawlins.....	9RA39	Lt-gray, fine-gr, porous, calk.			
Oshkosh.....	10LA5	Do.						
Racine.....	13LB4	Lt-drab, fine-gr, cellular U. Sil.*						
River Falls	13LA4	Buff, fine-gr, compact L. Sil.*						
Pierce Co.	14LA6	Lt-gray, fine-gr, compact U. Sil.*						
Taycheedah Twp.	11LA3	Drab, fine-gr, compact U. Sil.*						
Fon du Lac Co.								
Waukesha.....								
Wisconsin Gneiss								
Black River Falls	8LB45	Reddish, fine-gr biotite.						

TABLE 2. *Source, classification, and description of foreign stones in south face of wall*

[For identification of samples in wall, see section 8. Trade names are enclosed in quotation marks, geological terms are capitalized and a star (*) at end of line signifies that the stone has been used commercially.]

ABBREVIATIONS					
argil.....	argillaceous.	med.....	medium.		
calc.....	calcite.	mg.....	magnesian.		
calk.....	calcareous.	Mt.....	Mountain.		
Carb.....	Carboniferous.	Ord.....	Ordinary.		
cryst.....	crystalline.	Prov.....	Province.		
Dist.....	District.	Qual.....	Quality.		
ferrug.....	ferruginous.	S.....	South.		
fossil.....	fossiliferous.	St.....	Saint.		
gr.....	grain.	Trav.....	Travertine.		
Lt.....	light.				
Specific source	Wall No.	Description	Specific source		
Argentine Building Stones					
Unknown.....	10LB15	Lt-olive, brown-spotted marble.	Adnet.....	7RB12	Red and brown, fine-gr, fossil calc.
Do.....	10RB16	Dark-gray, med-gr marble.	Do.....	7RB14	Gray and brown, med-gr, fossil calc.
Do.....	5LB46	Dull-red and white, coarse-gr serpen-	Do.....	14RA36	Yellowish-red, fine-gr, fossil calc.
		tine.	Do.....	7RB5	Reddish-brown, med-gr, fossil calc.
Australian Granite			Do.....	14RB30	Dark purplish veined with white,
New South Wales	1R6	Black and white, coarse-gr biotite.	Do.....	6LA1	med-gr calc.
			Do.....	14LA35	Lt-buff, fine-gr, fossil, mg.
Australian Marble			Do.....	13LB30	Yellow, white and purple, coarse-gr
New South Wales	3L10	Gray, yellow and white-mottled, med-gr	Do.....	13LA29	calc.
Do.....	3R10	Cut from the same block as 3L10.	Do.....	13RA29	Lt-brown with white fossils, fine-gr
Do.....	3L2	White, greenish and yellow-veined,	Do.....	13LA29	calc.
Do.....	7RA3	med-gr calc.	Do.....	13RA29	Red, white and yellow, fine-gr calc.
Do.....	14RA19	Gray-variegated, fine-gr calc.	Do.....	14RA34	Greenish-gray, white-spotted, fine-gr
Do.....	14LA19	Grayish-white, fine-gr.	Do.....	14RA33	calc.
South Australia	10LA17	Black, fine-gr, fossil calc.	Do.....	14LB33	Lt-buff, fine-gr calc.
Do.....	7RA2	Gray, med-gr calc.	Do.....	7RB3	Pale-yellow, fine-gr calc.
Do.....	14RA20	Brownish-white with brown veins,	Do.....	14RA34	Pinkish, yellow-veined, fine-gr calc.
Do.....	7LA1	med-gr.	Do.....	14LB33	Yellow and purple-streaked, fine-gr
		Gray and white-mottled and veined,	Castione.....	7RB3	calc.
		med-gr.	Do.....	13RA30	Do.
		Buff and gray-mottled, med-gr.	Do.....	14LA30	Do.
Australian Sandstone			Do.....	14LB30	Pinkish-yellow, fine-gr calc.
New South Wales	4L7	Pinkish-buff, med-gr, porous.	Do.....	13RB30	Pinkish-buff, variegated, fine-gr calc.
Do.....	4R7	Cut from the same block as 4L7.	Do.....	14LB31	Brown-variegated, veined calc.
Do.....	9LB26	Pinkish-buff, coarse-gr, porous.	Do.....	14LB32	Brown, gray-mottled and veined calc.
Do.....	9RA26	Cut from the same block as 9LB26.	Do.....	7RB10	Pink, yellow and gray mottled calc.
Do.....	9LA27	Do.	Do.....	14RA32	Yellow, purple-mottled, fine-gr
Do.....	9LB27	Do.	Do.....	14LA31	calc.
Do.....	9RB24	Do.	Do.....	14LA36	Pale-pink, mottled, fine-gr.
Do.....	9RB25	Do.	Do.....	6LA2	Yellow, purple-mottled, fine-gr.
Do.....	4L8	Lt-buff, coarse-gr, porous.	Do.....	7RB13	Do.
Do.....	4R8	Cut from the same block as 4L8.	Do.....	7RB15	Red, fine-gr.
			Do.....	14RB32	Red, fine-gr, fossil.
Austrian Conglomerate			Do.....	14LA29	Reddish-brown, variegated calc.
Lindabrunn	5LB27	Lt-yellow, coarse-gr, porous, calk.	Do.....	13LA30	Pink and yellow-veined, fine-gr calc.
			Do.....	14LA34	Pink and white-veined, fine-gr calc.
Austrian Granite			Do.....	13LE31	Pink and buff-mottled, fine-gr calc.
Crasstein	5RB29	Black and white, med-gr, biotite.	Do.....	14RA35	Pink, gray-mottled, fine-gr calc.
Neuhaus	5LB26	Gray, fine-gr, biotite granite.	Do.....	7LB7	Pink, yellow and white, fine-gr,
			Do.....	7LB2	breciated.
			Do.....	7LB3	Pink, gray-mottled, fine-gr calc.
Austrian Limestone			Do.....	7LB13	Pale pinkish-yellow, breciated,
Mokritz	14RA29	Buff, fine-gr, porous fossil.	Do.....	7LB8	coarse-gr calc.
			Do.....	7LB1	Light drab, fine-gr calc.
Austrian Marble			Do.....	7LB12	Gray and brown, med-gr calc.
Adnet	7RB9	Gray, white and yellow-mottled,	Do.....	7LB5	Gray and white, coarsely, fossil calc.
		coarse-gr.	Do.....	10RB4	Do.
		Brown, white-mottled, fine-gr calc.	Karst.....	14RA31	Drab, white and coarsely fossil,
			Manzana.....	7LB4	Liassic.
			Mori.....	7LB10	Gray, fossil, calc, "Fiorito".
			Nabresina.....	7LB11	Gray and white, coarsely fossil calc.
			St. Felice.....	7LB15	Yellow variegated, fine-gr calc.
			Do.....	7LB14	Gray, coarse-gr, fossil calc.
			Do.....	7RB1	Pale buff-veined, fine-gr calc.
			Do.....	7LB1	Yellow-veined, fine-gr calc.
			Do.....	7LB16	Red and yellow-mottled, fine-gr calc.
			Do.....	14LA33	Brown, small white fossils, coarse-gr
			Do.....	7LB6	calc.
			Do.....	13LA31	Red, white-veined, fine-gr calc.
			Do.....	7RB6	Red, white-veined, fine-gr calc.
			Do.....	7RB7	Brownish-speckled, fine-gr, fossil calc.
			Do.....	7RB8	Red, gray and brown, coarsely fossil.
			Do.....	7RB11	Black, dark-veined, fine-gr calc.
			Do.....	10RB3	Reddish, yellow-veined, fine-gr calc.
			Do.....	14RB33	Dark and brownish, coarse-gr, fossil
			Do.....	14RB31	calc.
			Do.....	13RA31	White, coarsely cryst marble.
			Do.....	7RB4	Do.
			Do.....	7RB2	Pale buff and white, porous, fossil calc.
			Trent.....	14LA32	Pale gray, coarsely cryst calc.
					Do.
					Gray, fine-gr calc.

TABLE 2. *Source, classification, and description of foreign stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description
Austrian Pitchstone					
Castleruth.....	5RA28	Dark-brown, coarse-gr.	Isle of Pines.....	8LB10	Gray and dark-streaked, coarse-gr calc.
Do.....	5LA26	Dark-gray, spotted with white, coarse-gr.	Do.....	8LB11	Gray and dark-streaked, coarse-gr calc.
Austrian Quartz Porphyry					
South Tyrol.....	5RB28	Reddish, white-spotted, med-gr quartz.	Do.....	8RB11	Bluish-gray, coarse-gr calc.
Do.....	5LA27	Red, spotted with white, med-gr.	Do.....	8RB12	Bluish-gray, dark-veined, coarse-gr calc.
Austria-Hungarian Marble					
Adnet.....	8RA8	Greenish, white-veined, fine-gr calc.	Do.....	10LA23	White, fine-gr, dolomitic.
Castione.....	9RB6	Pale-buff and gray, coarse-gr, fossil.	Do.....	10RA23	Lt bluish-gray, med-gr, dolomitic.
Do.....	14LB24	Lt-buff, med-gr, fossil calc.	Do.....	10RB21	Dark bluish-gray, coarse-gr calc.
Do.....	14RA25	Yellow-veined, fine-gr calc.	Do.....	11LA22	Bluish-gray, coarse-gr calc.
Do.....	13LA23	Do.	Do.....	11RB23	Lt-bluish-gray, med-gr dolomitic.
Do.....	14RB25	Dull-pink, veined, fine-gr calc.	Do.....	11RA24	Bluish-gray, coarse-gr calc.
Do.....	14RB26	Dull-pink, fine-gr, fossil calc.	Do.....	13LA22	Bluish-gray, med-gr calc.
Do.....	8LA8	Drab, yellow-spotted, fine-gr calc.	Do.....	13LB23	Bluish-gray, coarse-gr calc.
Do.....	9LA6	Buff, coarse, fossil calc.	Do.....	14RB27	Lt-bluish-gray, coarse-gr calc.
Do.....	8LA7	Gray and brown, fine-gr, fossil calc.	Do.....	13RA25	Lt-gray, coarse-gr calc.
Grisignana.....	9LB6	Pale-buff, fine-gr, fossil calc.			
Karst.....	14LA25	Black, fine-gr, calc., "Paragon".			
Salzburg.....	14RA26	Gray and white, fine-gr, coarsely fossil calc.			
The Tyrol.....	9RA6	White, coarsely cryst.			
Untersberg.....	14LB25	White and buff, red-speckled, fossil calc.			
Do.....	14LA26	Pink and white, red-speckled, fossil calc.			
Do.....	13LA24	Buff, red-speckled, fossil calc.			
Do.....	8RA7	Buff, red-speckled, fossil calc.			
Bermuda Limestone					
Coralline.....	8LB9	Nearly white, coarsely cellular, friable.	Hundsheim.....	5RB45	Buff, drab-spotted, coarse-gr, calc.
Do.....	8RB10	Cut from the same block as 8LB9.	Leitha Mts.....	5LB45	Grayish, coarse-gr, porous calc.
Canadian Granite			Sommerein.....	5RA45	Pale-buff, fine-gr, porous calc.
Halifax Co.	1L6	Gray, coarse-gr biotite-muscovite, porphyritic.			
St. George.....	9LB45	Bright-red, coarse-gr hornblende.			
Do.....	9RB44	Lt-red, coarse-gr biotite granite.			
Canadian Limestone					
Kingston.....	8LA9	Dark-gray, fine-gr, compact, fossil.	Breitenbrunn.....	13RA36	Lt-buff, fine-gr, porous.
Montreal.....	8RA9.....	Dark-gray, med-gr, compact, semi-cryst.	Kroisbach.....	14RA37	Nearly white, med-gr, porous.
Montreal region ..	13RA26	Dark-gray, fine-gr, compact.	Leitha Mts.....	10LB8	Lt-buff, coarse-gr, cellular, fossil.
Canadian Marble			Do.....	7RA6	Lt-buff, coarse-gr, cellular, fossil.
Phillipsburg.....	13LB24	Grayish-white, fine-gr calc.	Mannersdorf.....	7RA7	Pale-buff and white, coarse-gr, porous, fossil.
Do.....	13LB25	Cut from same block as 13LB24.	Margarethen.....		
S. Stukely, Quebec.....	4RB19	Pink and white variegated, med-gr calc.	Leitha Mts.....	14LA37	Lt-buff, fine-gr, porous.
Stony Mt., Near Winnipeg.....	12LA23	Purple and buff, fossil calc.	Do.....	13LA36	Lt-buff, fine-gr, porous.
Canadian Sandstone			Do.....	14RB37	Lt-buff, med-gr, cellular, fossil.
Brampton, Ontario.....	9LA46	Brown, fine-gr, compact.*	Do.....	7RA5	Buff, med-gr, porous, fossil.
Clifton, New Brunswick.....	11RB46	Greenish-gray, med-gr, compact.	Do.....	14RA38	Buff, med-gr, porous, fossil.
Do.....	11LB43	Gray, med-gr, compact.	Do.....	14LB37	Lt-buff, coarse-gr, porous, fossil.
Dorchester, New Brunswick.....	9RA45	Olive, fine-gr, porous, Sub-Carb.	Do.....	7LA5	Lt-buff, med-gr, cellular, fossil.
Georgetown, Ontario.....	9RA46	Light-gray, fine-gr, porous.	Do.....	7LA4	Yellow, coarse-gr, porous, fossil.
Mary's Point, New Brunswick.....	9LA45	Brown, fine-gr, compact, Carb.	Do.....	7LB9	Yellow, coarse-gr, porous, fossil.
Nepigon Bay, Ontario.....	9RB43	Red, fine-gr, compact, Potsdam.*	Do.....	7LA6	Buff, coarse-gr, cellular, fossil.
Sackville, New Brunswick.....	10LA50	Brown, med-gr, porous.*	Oszlopp.....	7LA3	Buff-variegated, med-gr, compact, fossil.
			Do.....	14LA38	Buff and yellow, coarse-gr, porous, fossil.
Hungarian Marble					
Mannersdorf.....	7RA4	Pale-buff and white, fossil calc.			
Italian Limestone					
Leghorn.....	4LB19	Buff, fine-gr, compact travertine.*			
Do.....	13LB29	Dull-buff, fine-gr, porous.*			
Italian Granite					
		See section S-1 of table 4			
Italian Marble					
Carrara.....	2L16	White, fine-gr calc.*			
Do.....	2R16	Cut from the same block as 2L16.			
Do.....	3L6	White, pale-gray clouds, fine-gr calc.*			
Do.....	3R6	Cut from the same block as 3L6.			
Do.....	3L9	Yellowish-white, fine-gr, statuary calc.*			
Do.....	12LB27	Cut from the same block as 3L9.			
Do.....	12RB28	Do.			

TABLE 2. *Source, classification, and description of foreign stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description			
Mexican Pumice								
Carrara	3L7	Yellowish-white, fine-gr, statuary calc.*	San Juan, Pueblo State . . .	10RB35	Gray, fine-gr, coarsely vesicular.			
Do	3R7	Cut from the same block as 3L7.						
Do	3L8	White, fine-gr calc, "First Qual. Ord. White".*						
Do	3R8	Cut from the same block as 3L8.						
Do	10LA27	White, gray-veined, fine-gr, "2nd Quality Veined".*						
Do	10LA28	Cut from the same block as 10LA27.						
Do	10RA26	Do.						
Do	10RA27	Do.						
Do	12LB26	Do.						
Do	12RB27	Do.						
Do	4L1	Gray, fine-gr, calc, "2nd Qual. Bardiglio".*						
Do	4R1	Cut from the same block as 4L1.						
Do	1L11	White, gray-veined, fine-gr, "1st Qual. Ord. White".*						
Do	1R11	Cut from the same block as 1L11.						
Do	1L10	Pale-gray, fine-gr calc, "2nd Qual. Ord. White".*						
Do	1R10	Cut from the same block as 1L10.						
Do	1L12	Pale-gray, darker veins, fine-gr, "3rd Qual. Ord. White".						
Do	1R12	Cut from the same block as 1L12.						
Do	1L16	White, gray-veined, fine-gr, "1st Qual. White Veined".						
Do	1R16	Cut from the same block as 1L16.						
Do	1L14	Gray, fine-gr, "First Quality Bardiglio".*						
Do	1R14	Cut from the same block as 1L14.						
Do	12LB25	White with black veins, fine-gr, "1st Qual. Veined".*						
Do	12RB26	Cut from the same block as 12LB25.						
Serravezza	11LA29	Gray, dark-veined, fine-gr, "1st Qual. Bardiglio".*						
Do	11RA33	Cut from the same block as 11LA29.						
Do	12LA27	Do.						
Do	12RA26	Do.						
Do	12RA24	Pale-gray, dark-veined, fine-gr, "2nd Qual. Bardiglio".*						
Do	12LA25	Cut from the same block as 12RA24.						
Do	12LB28	Do.						
Do	12RB29	Do.						
Spezia, Genoa Prov.	11LB24	Black, veined with yellow, fine-gr, "Portoro".*						
Do	11RB24	Cut from same block as 11LB24.						
Do	12LA24	Do.						
Do	12RA22	Do.						
Do	4RB13	Black, veined with yellow and white, "Portoro".*						
Italian Sandstone								
Leghorn	9RA32	Gray, coarse-gr, compact, calk.*	Alvito, Coimbra	10LB2	Lt-yellow, med-gr, compact.			
Do	11LB25	Cut from same block as 9RA32.	Corredoura, Leiria	8RB2	Lt-buff, coarse-gr, cellular, fossil.			
Italian Travertine								
Tivoli	10LA29	Buff, fine-gr, cellular calc, "Roman Trav.".*	Covões, Coimbra	7RA1	Buff, thin veins, fine-gr, compact.			
Do	10RA28	Cut from same block as 10LA29.	Ega, Coimbra	14LA45	Lt-gray, fine-gr, compact.			
Do	12LA26	Do.	Freguesias, Coimbra	8RA2	Gray, fine-gr, compact.*			
Do	12RA25	Do.	Ilhastro, Coimbra	14LA47	Lt-drab, fine-gr, compact.			
Mexican Andesite			Janianes, Coimbra	14LA46	Lt-gray, fine-gr, compact, argil.			
Hidalgo State	5RA37	Dark-gray, fine-gr, compact.	Do	8RA3	Lt-drab, fine-gr, compact, argil.			
Ixtapalapa	10RA29	Lt-gray, coarse-gr, hornblende.	Lombas, Leiria	8RB3	Lt-buff, fine-gr, compact.			
Do	5LA36	Black, finely vesicular, hypersthene.	Nazareth, Leiria	9RB1	Pink, fine-gr, compact.			
Mexican Basalt			Do	9LA1	Pinkish, fine-gr, compact.			
Mexico State	10RB34	Dull-red, very vesicular.	Porto Barroa, Coimbra	7LA2	Drab and gray, fine-gr, compact, argil.*			
Puebla State	5RB37	Nearly black, fine-gr, coarsely vesicular.	Serra da Boa Viagem, Coimbra	14LA44	Bluish-drab, fine-gr, compact, argil.*			
Do	5LB36	Cut from the same block as 5RB37.	Portuguese Marble					
Mexican Dacite								
Mexico State	10LA38	Reddish-brown, fine-gr, porous.	Alvrite, Coimbra	8LB1	Gray, med-gr, calc.			
			Ameixreira, Coimbra	8LA2	Lt-gray, fine-gr.			
			Andorinha, Coimbra	8LA1	Lt-yellow, fine-gr.			
			Arrabida Mts., Lisbon Dist.	10LB1	Red and yellow, coarse-gr calk conglomerate.			
			Do	10RB1	Cut from the same block as 10LB1.			
			Cintrá, Lisbon Dist.	10RB2	Yellow, fine-gr.			
			Condeixa a Velha, Coimbra	8LA3	Lt pinkish-drab, fine-gr.			
			Do	8LB3	Pink and drab-mottled, fine-gr.			
			Cuzelhas, Coimbra	8LB2	Lt-yellow, fine-gr.			
			Estremoz, Alemtejo Prov.	12RB37	White, yellow-veined, med-gr calc.*			
			Farrestello, Figueira da Foz,	14RA43	Pink and yellowish fine-gr fossil calc.			
			Figueira Zameirao, Coimbra	9LB1	White, dark-spotted, fine-gr.			
			Freguesias of S. Miguel, Coimbra	14RA40	Yellow, purple-striped, fine-gr.*			
			Do	14LA40	Dull-pink, fine-gr.*			
			Do	14LA43	Dull-red, fine-gr.*			
			Do	8RB1	Drab, pink-tinted, fine-gr.*			
			Do	14LA39	White, red-spotted, fine-gr.*			
			Do	14RA44	Dull-red, lt-streaked, fine-gr.*			
			Do	14RA42	Lt-pink, drab-veined, fine-gr.*			
			Do	9RA1	Lt-pink, fine-gr.*			
			Do	14RA41	Drab, pink and yellow-streaked, fine-gr.*			
			Do	14RA39	Lt-drab, fine-gr.*			

TABLE 2. *Source, classification, and description of foreign stones in south face of wall—Continued*

Specific source	Wall No.	Description	Specific source	Wall No.	Description
Manoel Zuarde, Leiria.....	14LA42	Dull-red, fine-gr.*			Spanish Limestone
Penella, Beira Prov.	14RA47	Lt-drab, reddish-veined, fine-gr calc.	Calatayud, Saragossa	14RB35	Dark-gray, fine-gr, compact.
Ponde do Espinal, Coimbra.....	8RA1	Lt-gray, fine-gr, cellular.	Morata, Saragossa	14LB35	Pinkish, fine-gr, compact.
Salmanha, Coimbra.....	14RA46	Pink, fine-gr.	Murcia, Murcia	13RA35	Yellow, coarse-gr, porous, fossil.
Serrada, do Lager, Leiria Prov.	14RA45	Dull-pink, fine-gr.*	Do.	14RB36	Lt-gray, coarse-gr, friable.
Vianna do Alemtejo.....	14LA41	White, dark-veined, med-gr calc.	Ricla, Saragossa	9LA14	Dark-gray, fine-gr, compact.
			Do.	13LA35	Dark-gray, fine-gr, compact.
			Do.	10RB17	Blue-black, fine-gr, compact.
			Saragossa Prov.	14RB34	Bluish-drab, fine-gr, compact.
			Do.	9RA14	Lt-drab, fine-gr, compact.
Portuguese Sandstone					
St. Miguel, Coimbra.....	11LA36	Red, fine-gr, compact, ferrug.*	Cehegin, Murcia ..	13LB34	Brown, yellow-mottled, fine-gr, calc.
Do.....	11LA37	Red, fine-gr, compact, calk.	Chodes, Saragossa ..	13LB35	Black and brown, coarse-gr breccia.
Do.....	9RB42	Buff, coarse-gr, compact, calk.	Morata, Saragossa ..	13LA32	Dark and brown coarse-gr breccia.
Scottish Sandstone			Murcia, Murcia	13LA33	Drab, buff-veined, fine-gr calc.
Anan.....	5LA12	Dull-red, fine-gr, compact, Devonian.	Panticosa, Huesca ..	13LA34	Dark blue-gray, med-gr calc.
Ballochmyle.....	11LB28	Lt-red, fine-gr, porous, Carb.	Puebla de Alborton ..	13RB32	Pink and white, cellular, brecciated calc.
Beauty, Rose.....	7LA35	Lt-red, fine-gr, compact, calk.	Ricla, Saragossa ..	13RA34	Black and white, coarse-gr, brecciated.
Elgin, Moray.....	7RA35	Buff, coarse-gr, compact.	Do.	13RA32	Pinkish-purple, brown-spotted, fine-gr calc.
Nairn.....	8RB36	Lt-gr, fine-gr, porous, calk, Devonian.	Saragossa Prov.	14LB36	Drab and light-brown, coarse-gr, brecciated.
Thurso.....	8LB36	Buff, med-gr, porous, calk, Devonian.	Do.	9RA15	Lt-buff, pink-veined, fine-gr calc.
			Do.	13RA33	Yellow and drab, coarse-gr calc.
			Do.	14LB34	Dark-drab, red veined, fine-gr calc.
Siamese Marble					
?.....	9LA15	Gray, white and yellow, coarse-gr, calc.	Murcia.....	9RA37	Buff, fine-gr, compact, calk.
Spanish Sandstone					
Spanish Tuff					
Alamazanon.....					
			Alamazanon.....	9RA38	Buff, med-gr, compact, cellular, calk.

TABLE 3. Course list for identifying samples, by position, in wall

[For explanation of use, see section 8.2.]

ABBREVIATIONS

Cong.	conglomerate.	Pyroph.	pyrophyllite.
D.	dolomite.	QI.	quartzite.
DM.	dolomitic marble.	QP.	quartz porphyry.
Gn.	gneiss.	Serp.	serpentinite.
Gr.	granite.	Ss.	sandstone.
Labr.	labradorite.	Stat.	statuary.
Ls.	limestone.	T. Schist.	talc schist.
M.	marble.	Trav.	travertine.
Mg.	magnesian.		

Wall No.	Type	Source	Wall No.	Type	Source	Wall No.	Type	Source
Course 1, Left			Course 3, Left			Course 4, Right		
1L1	Gr.	Conn.	3L1	M.	Vt.	4R1	M.	Italy
1L2	Gr.	Conn.	3L2	M.	Australia	4R2	M.	Vt.
1L3	Gr.	Conn.	3L3	M.	Vt.	4R3	M.	Vt.
1L4	Gr.	Conn.	3L4	M.	Tenn.	4R4	M.	Vt.
1L5	Gr.	Conn.	3L5	M.	N.Y.	4R5	M.	Vt.
1L6	Gr.	Canada	3L6	Stat.M.	Italy	4R6	Ss.	Conn.
1L7	Gr.	Mass.	3L7	Stat.M.	Italy	4R7	Ss.	Australia
1L8	Gr.	Mass.	3L8	M.	Italy	4R8	Ss.	Australia
1L9	Gr.	Mass.	3L9	Stat.M.	Italy	4R9	Ss.	Ohio
1L10	M.	Italy	3L10	M.	Australia	4RA10	M.	Ala.
1L11	M.	Italy	3L11	M.	Vt.	4RB10	M.	Md.
1L12	M.	Italy	3L12	M.	Tenn.	4RA11	M.	Ga.
1L13	M.	Colo.	3L13	M.	Tenn.	4RB11	Ls.	Tenn.
1L14	M.	Italy	3L14	M.	Vt.	4RA12	M.	Vt.
1L15	M.	Vt.	3L15	D.	Md.	4RB12	Ls.	Ind.
1L16	M.	Italy	3L16	Mg.M.	Vt.	4RA13	M.	Vt.
Course 1, Right			Course 3, Right			Course 5, Left		
1R1	Gr.	Conn.	3R1	M.	Vt.	5LA1	Ss.	Ohio
1R2	Gr.	Conn.	3R2	M.	Vt.	5LB1	Ss.	Ohio
1R3	Gr.	Conn.	3R3	M.	Vt.	5LB2	Ss.	Ohio
1R4	Gr.	Conn.	3R4	M.	Tenn.	5LA3	Ss.	Ohio
1R5	Gr.	Conn.	3R5	M.	N.Y.	5LB4	Ss.	Ohio
1R6	Gr.	Australia	3R6	Stat.M.	Italy	5LB5	Ss.	Ohio
1R7	Gr.	Mass.	3R7	Stat.M.	Italy	5LA6	Ss.	Ohio
1R8	Gr.	Mass.	3R8	M.	Italy	5LB6	Ss.	Ohio
1R9	Gr.	Mass.	3R9	M.	Vt.	5LA7	Ss.	Ohio
1R10	M.	Italy	3R10	M.	Australia	5LB7	Ss.	Ohio
1R11	M.	Italy	3R11	M.	Vt.	5LA8	Ss.	Ohio
1R12	M.	Italy	3R12	M.	Tenn.	5LB8	Ss.	Mass.
1R13	M.	Colo.	3R13	M.	Vt.	5LA9	Ss.	Ohio
1R14	M.	Italy	3R14	M.	Md.	5LB9	Gr.	Mass.
1R15	M.	Vt.	3R15	D.M.	Md.	5LA10	Ss.	Ohio
1R16	M.	Italy	3R16	Mg.M.	Vt.	5LB10	Gr.	Mass.
Course 2, Left			Coarse 4, Left			Course 5, Left		
2L1	M.	Vt.	4L1	M.	Italy	5LA11	Ss.	Ohio
2L2	M.	Vt.	4L2	M.	Vt.	5LB11	Ss.	Ohio
2L3	M.	Vt.	4L3	M.	Vt.	5LB2	Ss.	Ohio
2L4	M.	Tenn.	4L4	M.	Vt.	5LA3	Ss.	Ohio
2L5	M.	Vt.	4L5	M.	Vt.	5LB4	Ss.	Ohio
2L6	M.	Vt.	4L6	Ss.	Conn.	5LB5	Ss.	Ohio
2L7	M.	Vt.	4L7	Ss.	Australia	5LA6	Ss.	Ohio
2L8	M.	Vt.	4L8	Ss.	Australia	5LB6	Ss.	Ohio
2L9	M.	Vt.	4L9	Ss.	Ohio	5LA7	Ss.	Ohio
2L10	M.	Vt.	4LA10	M.	Ala.	5LB7	Ss.	Ohio
2L11	M.	Vt.	4LB10	M.	Ga.	5LA8	Ss.	Ohio
2L12	M.	Vt.	4LA11	M.	Tenn.	5LB8	Gr.	Mass.
2L13	D.M.	Conn.	4LB11	Ls.	Vt.	5LA9	Ss.	Ohio
2L14	M.	Vt.	4LA12	M.	Ind.	5LB9	Gr.	Mass.
2L15	D.M.	Vt.	4LB12	Ls.	Vt.	5LA10	Ss.	Ohio
2L16	Stat.M.	Italy	4LA13	M.	Md.	5LA11	Ss.	Ohio
2L17	Ls.	Mo.	4LB13	M.	Vt.	5LB11	Gr.	Mass.
Course 2, Right			Coarse 4, Left			Course 5, Left		
2R1	M.	Vt.	4LA14	M.	Vt.	5LA12	Ss.	Scotland
2R2	M.	Vt.	4LB14	Gr.	Maine	5LB12	Gr.	Mass.
2R3	M.	Vt.	4LA15	M.	Vt.	5LA13	Ss.	Ohio
2R4	M.	Tenn.	4LB15	Gr.	Maine	5LB13	Gn.	Mass.
2R5	M.	Vt.	4LA16	M.	Vt.	5LB14	Ss.	Ohio
2R6	M.	Vt.	4LB16	Gr.	Del.	5LA14	Gn.	Mass.
2R7	M.	Vt.	4LA17	M.	Vt.	5LB14	Gn.	Mass.
2R8	M.	Vt.	4LB17	Gr.	Maine	5LA15	Ss.	Ohio
2R9	M.	Vt.	4LA18	M.	Vt.	5LB15	Gn.	Mass.
2R10	M.	Vt.	4LB18	M.	Tenn.	5LA16	Ss.	Ohio
2R11	M.	Vt.	4LB19	Coquina	Fla.	5LB16	Gr.	Mass.
2R12	M.	Vt.	4LB19	Ls.	Italy	5LA17	Ss.	Ohio
2R13	D.M.	Conn.	4LA20	M.	Vt.	5LB17	Gr.	Mass.
2R14	M.	Vt.	4LB20	Gr.	Conn.	5LA18	Ss.	Ohio
2R15	D.M.	Vt.	4LA21	M.	Vt.	5LB18	Gr.	Mass.
2R16	Stat.M.	Italy	4LB21	Gr.	Mass.	5LA19	Ss.	Ohio
2R17	Ls.	Mo.						

TABLE 3. Course list for identifying samples, by position, in wall—Continued

Wall No.	Type	Source	Wall No.	Type	Source	Wall No.	Type	Source
5LB19	Gr.	Mass.	5RB18	Gr.	Mass.	6LB17	Gr.	Pa.
5LA20	Gr.	Mass.	5RA19	Ss.	Ohio	6LA18	Ss.	Pa.
5LB20	Gn.	N.C.	5RB19	Gr.	Mass.	6LB18	Gn.	Pa.
5LA21	Gn.	N.C.	5RA20	Gr.	Mass.	6LA19	Q.P.	Pa.
5LB21	Gn.	N.C.	5RB20	Gr.	Mass.	6LB19	Diabase.	Pa.
5LA22	Gn.	N.C.	5RA21	Gr.	Mass.	6LA20	Ss.	Ohio
5LB22	Gn.	N.C.	5RB21	Gr.	N.C.	6LB20	Ss.	Ohio
5LA23	Gr.	N.C.	5RA22	Gr.	N.C.	6LA21	Ss.	Ohio
5LB23	Gr.	N.C.	5RB22	Gr.	N.C.	6LB21	Ss.	Ohio
5LA24	Gr.	Maine	5RA23	Gr.	N.C.	6LA22	Gr.	Mass.
5LB24	Serp.	Maine	5RB23	Gr.	N.C.	6LB22	Gn.	Mass.
5LA25	Gr.	Maine	5RA24	Gr.	N.C.	6LA23	Gn.	N.C.
5LB25	Diabase.	Maine	5RB24	Gr.	N.C.	6LB23	Gn.	N.C.
5LA26	Pitchstone	Austria	5RA25	Gr.	N.C.	6LA24	Gr.	N.C.
5LB26	Gr.	Austria	5RB25	Gr.	N.C.	6LB24	Gr.	N.C.
5LA27	QP.	Austria	5RA26	Gr.	Maine	6LA25	Gr.	Maine
5LB27	Cong.	Austria	5RB26	Cong.	Md.	6LB25	Gr.	Maine
5LA28	Ss.	Ky.	5RA27	Gr.	Maine	6LA26	Gr.	Maine
5LB28	Tuff.	Calif.	5RB27	Diabase.	Maine	6LB26	Gr.	Maine
5LA29	Gr.	Calif.	5RA28	Pitchstone	Austria	6LA27	Gr.	Maine
5LB29	Basalt	Calif.	5RB28	QP.	Austria	6LB27	Gr.	Maine
5LA30	Gr.	Tex.	5RA29	Basalt	Calif.	6LA28	Ss.	N.Y.
5LB30	Gr.	Ga.	5RB29	Gr.	Austria	6LB28	Ss.	N.Y.
5LA31	Gr.	Colo.	5RA30	Gr.	Calif.	6LA29	Ss.	N.Y.
5LB31	QI.	Colo.	5RB30	Basalt Tuff	Calif.	6LB29	Gn.	N.Y.
5LA32	Gr.	Colo.	5RA31	Gn.	Ga.	6LA30	Ss.	Ky.
5LB32	Gr.	Colo.	5RB31	Serp.	Ga.	6LB30	Ss.	Ky.
5LA33	Diabase.	Minn.	5RA32	Gr.	Colo.	6LA31	Ss.	Calif.
5LB33	QI.	Minn.	5RB32	Diorite	Colo.	6LB31	Ss.	Calif.
5LA34	Gn.	Conn.	5RA33	Gr.	Minn.	6LA32	Gr.	Tex.
5LB34	Gabbro.	Minn.	5RB33	Diabase.	Minn.	6LB32	Gr.	Tex.
5LA35	Gn.	Conn.	5RA34	Cong.	Conn.	6LA33	Ss.	Colo.
5LB35	Gn.	Conn.	5RB34	QP.	Minn.	6LB33	Ss.	Colo.
5LA36	Andesite.	Mexico	5RA35	Gr.	Conn.	6LA34	Gr.	Minn.
5LB36	Basalt	Mexico	5RB35	Diabase.	Conn.	6LB34	Gr.	Minn.
5LA37	Gr.	Unknown	5RA36	Gn.	Conn.	6LA35	Labr.	Minn.
5LB37	Gr.	Unknown	5RB36	Gr.	Conn.	6LB35	Diabase.	Minn.
5LA38	Gr.	Md.	5RA37	Andesite.	Mexico	6LA36	Gn.	Conn.
5LB38	Gn.	Md.	5RB37	Basalt	Mexico	6LB36	Gr.	Conn.
5LA39	Gr.	S.C.	5RA38	Gr.	Unknown	6LA37	Gr.	Conn.
5LB39	Gr.	S.C.	5RB38	Gr.	N.C.	6LB37	Gr.	Conn.
5LA40	Gr.	S.C.	5RA39	Gn.	Md.	6LA38	Tuff.	Mexico
5LB40	Gr.	S.C.	5RB39	Gr.	Md.	6LB38	Tuff.	Mexico
5LA41	Gr.	N.J.	5RA40	Gr.	S.C.	6LA39	Gn.	Mass.
5LB41	Gr.	N.J.	5RB40	Gr.	S.C.	6LB39	Ss.	Ohio
5LA42	Diabase.	N.J.	5RA41	Gr.	S.C.	6LA40	Gr.	Md.
5LB42	Cong.	N.J.	5RB41	Gr.	S.C.	6LB40	Gr.	Md.
5LA43	Gn.	N.H.	5RA42	Gn.	N.J.	6LA41	Gr.	S.C.
5LB43	Gr.	N.H.	5RB42	Gn.	N.J.	6LB41	Gr.	S.C.
5LA44	Slate.	Vt.	5RA43	Diabase.	N.J.	6LA42	Ss.	N.J.
5LB44	Gr.	N.H.	5RB43	Cong.	N.J.	6LB42	Ss.	N.J.
5LA45	Gr.	Vt.	5RA44	Slate.	Vt.	6LA43	Ss.	N.J.
5LB45	Cong.	Hungary	5RB44	Gr.	N.H.	6LB43	Diabase.	N.J.
5LA46	Gr.	R.I.	5RA45	Cong.	Hungary	6LA44	Gr.	N.H.
5LB46	Serp.	Argentina	5RB45	Cong.	Hungary	6LB44	Gr.	N.H.
Course 5, Right								
Course 6, Left								
5RA1	Ss.	Ohio	6LA1	M.	Austria	Coarse 6, Right		
5RB1	Ss.	Ohio	6LB1	Ss.	Pa.	6RA1	Ss.	Pa.
5RA2	Ss.	Ohio	6LA2	M.	Austria	6RB1	QI.	Pa.
5RB2	Ss.	Ohio	6LB2	Ss.	Pa.	6RA2	Ss.	Pa.
5RA3	Ss.	Ohio	6LA3	Ss.	Pa.	6RB2	Ss.	Pa.
5RB3	Ss.	Ohio	6LB3	Ss.	Pa.	6RA3	Ss.	Pa.
5RA4	Ss.	Ohio	6LA4	Ss.	Pa.	6RB3	Ss.	Pa.
5RB4	Ss.	Ohio	6LA5	Ss.	Pa.	6RA4	Ss.	Pa.
5RA5	Ss.	Ohio	6LB4	Ss.	Pa.	6RB4	Ss.	Pa.
5RB5	Ss.	Ohio	6LA6	Ss.	Pa.	6RA5	Ss.	Pa.
5RA6	Ss.	Ohio	6LB5	Ss.	Pa.	6RB5	Ss.	Pa.
5RB6	Ss.	Ohio	6LA6	Ss.	Pa.	6RA6	Ss.	Pa.
5RA7	Ss.	Ohio	6LB6	Ss.	Pa.	6RB6	Ss.	Pa.
5RB7	Ss.	Ohio	6LA7	Ss.	Pa.	6RA7	Ss.	Pa.
5RA8	Ss.	Ohio	6LB7	Ss.	Pa.	6RB7	Ss.	Pa.
5RB8	Ss.	Ohio	6LA8	Ss.	Pa.	6RA8	Ss.	Pa.
5RA9	Ss.	Ohio	6LB8	Ss.	Pa.	6RB8	Ss.	Pa.
5RB9	Gr.	Mass.	6LA9	Ss.	Pa.	6RA9	Ss.	Pa.
5RA10	Ss.	Ohio	6LB9	Ss.	Pa.	6RB9	Serp.	Pa.
5RB10	Gr.	Mass.	6LA10	Ss.	Pa.	6RA10	Ss.	Pa.
5RA11	Ss.	Ohio	6LB10	Ss.	Pa.	6RB10	Diabase.	Pa.
5RB11	Gr.	Mass.	6LA11	Ss.	Pa.	6RA11	Ss.	Pa.
5RA12	Ss.	Ohio	6LB11	Ss.	Pa.	6RB11	Cong.	Pa.
5RB12	Gr.	Mass.	6LA12	Ss.	Pa.	6RA12	Ss.	Pa.
5RA13	Ss.	Ohio	6LB12	Ss.	Pa.	6RB12	Cong.	Pa.
5RB13	Gr.	Mass.	6LA13	Ss.	Pa.	6RA13	Ss.	Pa.
5RA14	Ss.	Ohio	6LB13	Ss.	Pa.	6RB13	Cong.	Pa.
5RB14	Gr.	Mass.	6LA14	Ss.	Pa.	6RA14	Ss.	Pa.
5RA15	Ss.	Ohio	6LB14	Diabase.	Pa.			
5RB15	Gr.	Mass.	6LA15	Ss.	Pa.			
5RA16	Ss.	Ohio	6LB15	Slate.	Pa.			
5RB16	Diabase.	Mass.	6LA16	Ss.	Pa.			
5RA17	Gr.	N.J.	6LB16	Diabase.	Pa.			
5RB17	Gr.	Mass.	6LA17	Ss.	Pa.			

TABLE 3. Course list for identifying samples, by position, in wall—Continued

Wall No.	Type	Source	Wall No.	Type	Source	Wall No.	Type	Source
6RB14	Diabase	Pa.	7LA12	Ls.	Pa.	7RA13	Ls.	Pa.
6RA15	Ss.	Pa.	7LB12	M.	Austria	7RB13	M.	Austria
6RA15	Slate	Pa.	7LA13	Ls.	Pa.	7RA14	Ls.	Pa.
6RA16	Ss.	Pa.	7LB13	M.	Austria	7RB14	M.	Austria
6RB16	Diabase	Pa.	7LA14	Ls.	Pa.	7RA15	Ls.	Austria
6RA17	Ss.	Pa.	7LB14	M.	Austria	7RB15	M.	Austria
6RB17	Gn.	Pa.	7LA15	Ls.	Pa.	7RA16	Ls.	Pa.
6RA18	Ss.	Pa.	7LB15	M.	Austria	7RB16	Soapstone	Pa.
6RB18	Gn.	Pa.	7LA16	Ls.	Pa.	7RA17	Slate	Pa.
6RA19	QI	Pa.	7LB16	M.	Austria	7RB17	Gn.	Pa.
6RB19	Diabase	Pa.	7LA17	Slate	Pa.	7RA18	Ss.	Pa.
6RA20	Ss.	Ohio	7LB17	Gn.	Pa.	7RB18	Gr.	Pa.
6RB20	Ss.	Ohio	7LA18	QI	Pa.	7RA19	Ss.	Ohio
6RA21	Ss.	Ohio	7LB18	Gn.	Pa.	7RB19	Ss.	Ohio
6RB21	Ss.	Ohio	7LA19	Ss.	Ohio	7RA20	Ss.	Ohio
6RA22	Gr.	Mass.	7LB19	Ss.	Ohio	7RB20	Ss.	Ohio
6RB22	Gr.	Mass.	7LB20	Ss.	Ohio	7R21	Ss.	Ohio
6RA23	Gr.	N.C.	7LA21	Gr.	N.C.	7RA22	QI	N.C.
6RB23	Gr.	N.C.	7LB21	Gr.	N.C.	7RB22	Gr.	N.C.
6RA24	Gr.	N.C.	7LA22	Gr.	N.C.	7RA23	Gr.	N.C.
6RB24	Gr.	N.C.	7LB22	Gn.	N.C.	7RB23	Gn.	Maine
6RA25	Gn.	Maine	7LA23	Gr.	N.C.	7RA24	Gr.	Maine
6RB25	Gn.	Maine	7LB23	QP	N.C.	7RB24	Gr.	Maine
6RA26	Gn.	Maine	7LA24	Gr.	Maine	7RA25	Gr.	Maine
6RB26	Gn.	Maine	7LB24	Gr.	Maine	7RB25	Ss.	N.Y.
6RA27	Gn.	Maine	7LA25	Gr.	Maine	7RA26	Ss.	N.Y.
6RB27	Gn.	Maine	7LB25	Gr.	Maine	7RB26	Ss.	N.Y.
6RA28	Ss.	N.Y.	7LA26	Ss.	N.Y.	7RA27	Ss.	N.Y.
6RB28	Ss.	N.Y.	7LB26	Ss.	N.Y.	7RB27	Ss.	Ky.
6RA29	Ss.	N.Y.	7LA27	Ss.	N.Y.	7RA28	Ss.	Ky.
6RB29	Ss.	Ky.	7LB27	Ss.	N.Y.	7RB28	Ss.	Ky.
6RA30	Ss.	Ky.	7LA28	Ss.	Ky.	7RA29	Ss.	Ky.
6RB30	Ss.	Ky.	7LB28	Ss.	Ky.	7RB29	Gr.	Ky.
6RA31	Ss.	Kalif.	7LA29	Ss.	Kalif.	7RA30	Ss.	Kalif.
6RB31	Gr.	Tex.	7LB29	Ss.	Kalif.	7RB30	Ss.	Tex.
6RA32	Diorite	Tex.	7LA30	Ss.	Tex.	7RA31	Ss.	Colo.
6RB32	Gr.	Colo.	7LB30	Ss.	Tex.	7RB31	Ss.	Colo.
6RA33	Ss.	Colo.	7LA31	Ss.	Colo.	7RA32	Ss.	Minn.
6RB33	Tuff	Colo.	7LB31	Ss.	Colo.	7RB32	Gr.	Minn.
6RA34	Gr.	Minn.	7LA32	Ss.	Minn.	7RA33	Ss.	Conn.
6RB34	Gr.	Minn.	7LB32	Gr.	Minn.	7RB33	Gr.	Conn.
6RA35	Gr.	Conn.	7LA33	Ss.	Conn.	7RA34	Ss.	Scotland
6RB35	Gn.	Conn.	7LB33	Gn.	Conn.	7RB34	Gr.	Conn.
6RA36	Gn.	Conn.	7LA34	Ss.	Scotland	7RA35	Gr.	Mo.
6RB36	Gn.	Conn.	7LB34	Gn.	Conn.	7RB35	Cong.	Mass.
6RA37	Tuff	Mexico	7LA35	Gr.	Mo.	7RA36	Gr.	Mo.
6RB37	Tuff	Mexico	7LB35	Andesite	Nev.	7RB36	Ss.	Nev.
6RA38	Gr.	N.C.	7LA36	Tuff	Ariz.	7RA37	Gr.	Mo.
6RB38	Tuff	Mexico	7LB36	Andesite	Nev.	7RB37	Andesite	Nev.
6RA39	Gr.	Mass.	7LA37	Serp.	Md.	7RA38	Serp.	Md.
6RB39	Ss.	Ohio	7LB37	Gn.	Mass.	7RB38	Serp.	Md.
6RA40	Gn.	Md.	7LA38	Serp.	Md.	7RA39	Ss.	N.J.
6RB40	Gn.	Md.	7LB38	Gr.	Md.	7RB39	Ss.	N.J.
6RA41	Slate	Md.	7LA39	Ss.	N.J.	7RA40	Diorite	Mont.
6RB41	Serp.	Md.	7LB39	Ss.	N.J.	7RB40	Gr.	N.H.
6RA42	Ss.	N.J.	7LA40	Ss.	N.J.	7RA41	Gr.	N.H.
6RB42	Gr.	S.C.	7LB40	Ss.	N.J.	7RB41	Gr.	N.H.
6RA43	Gn.	N.H.	7LA41	Ss.	Mont.	7RA42	Ss.	Mich.
6RB43	Diabase	N.J.	7LB41	Gr.	Mont.	7RB42	Ss.	Mich.
6RA44	Gr.	N.H.	7LA42	Gr.	N.H.	7RA43	Gr.	Wis.
6RB44	Gr.	N.H.	7LB42	Gr.	N.H.	7RB43	QI	Wis.
6RA45	Gr.	Vt.	7LA43	QI	Wis.	7RA44	Ss.	N.Mex.
6RB45	Gr.	Vt.	7LB43	Ss.	Mich.	7RB44	Gr.	Wis.
6RA46	Gn.	Mich.	7LA44	Ss.	Mich.	7RA45	Serp.	N.Mex.
6RB46	Gn.	Vt.	7LB44	Ss.	Mich.	7RB45	Tuff	N.Mex.
6RA47	QI	Wis.	7LA45	Ss.	N.Mex.			
6RB47	Gr.	Vt.	7LB45	Ss.	Mich.			

Course 7, Right

7LA1	M.	Australia	7RA1	Ls.	Portugal	8LA1	M.	Portugal
7LB1	M.	Austria	7RB1	M.	Austria	8LB1	M.	Portugal
7LA2	Ls.	Portugal	7RB2	M.	Austria	8LA2	M.	Portugal
7LB2	M.	Austria	7RA3	M.	Australia	8LB3	M.	Portugal
7LA3	Ls.	Hungary	7RB3	M.	Austria	8LA4	M.	Tenn.
7LB3	M.	Austria	7RA4	M.	Hungary	8LB4	M.	Tenn.
7LA4	Ls.	Hungary	7RB4	M.	Austria	8LA5	M.	Tenn.
7LB4	M.	Austria	7RA5	Ls.	Hungary	8LB5	M.	Tenn.
7LA5	Ls.	Hungary	7RB5	M.	Austria	8LA6	Ls.	N.Y.
7LB5	M.	Austria	7RA6	Ls.	Hungary	8LB6	Ls.	Nebr.
7LA6	Ls.	Hungary	7RB6	M.	Austria	8LA7	M.	Austria
7LB6	M.	Austria	7RA7	Ls.	Hungary	8LB7	Ls.	Nebr.
7LA7	Ls.	Ala.	7RB7	M.	Austria	8LA8	M.	Austria H.
7LB7	M.	Austria	7RA8	Ls.	Ala.	8LB8	Ls.	Ohio
7LA8	Ls.	Ark.	7RB8	M.	Austria	8LA9	Ls.	Canada
7LB8	M.	Austria	7RA9	Ls.	Ala.	8LB9	Ls.	Bermuda
7LA9	Ls.	Conn.	7RB9	M.	Austria	8LA10	M.	Unknown
7LB9	M.	Hungary	7RA10	M.	Ark.	8LB10	M.	Cuba
7LA10	Ls.	Fla.	7RB10	M.	Austria	8LA11	Ls.	Ill.
7LB10	M.	Austria	7RA11	Ls.	Conn.	8LB11	M.	Cuba
7LA11	M.	Ga.	7RB11	M.	Austria	8LA12	Ls.	Ill.
7LB11	M.	Austria	7RA12	M.	Ga.	8LB12	M.	Tex.
7RB12	M.							

TABLE 3. Course list for identifying samples, by position, in wall—Continued

Wall No.	Type	Source	Wall No.	Type	Source	Wall No.	Type	Source
8LA13.	Ls.	Ind.	8RA9.	Ls.	Canada	9LA6.	M.	Austria H.
8LB13.	M.	Tex.	8RB9.	Ls.	Ohio	9LB6.	M.	Austria H.
8LA14.	Ls.	Ind.	8RA10.	Ls.	III.	9LA7.	M.	Vt.
8LB14.	M..	Utah	8RB10.	Ls.	Bermuda	9LB7.	M.	Vt.
8LA15.	Ls..	Ind.	8RA11.	Ls..	III.	9LA8.	M.	Vt.
8LB15.	Ls..	Wis.	8RB11.	M..	Cuba	9LB8.	M.	Vt.
8LA16.	Ls..	Ky.	8RA12.	Ls..	III.	9LA9.	Ls..	Iowa
8LB16.	Ls..	Miss.	8RB12.	M..	Cuba	9LB9.	Ls..	Iowa
8LA17.	Ls..	Ky.	8RA13.	Ls..	Tex.	9LA10.	Ls..	Iowa
8LB17.	Ls..	Pa.	8RA14.	Ls..	Ind.	9LB10.	Ls..	Iowa
8LA18.	Slate.	Pa.	8RB14.	M..	Tex.	9LA11.	Ls..	Iowa
8LB18.	Serp.	Pa.	8RA15.	Ls..	Ind.	9LA12.	Ls..	Iowa
8LA19.	Diabase.	Pa.	8RB15.	Ls..	Utah	9LB12.	Ls..	Iowa
8LB19.	Diorite	Pa.	8RA16.	Ls..	Ind.	9LA13.	Ls..	Kans.
8LA20.	Ss..	Ohio	8RB16.	Ls..	Wis.	9LB13.	Ls..	Iowa
8LB20.	Ss..	Ohio	8RA17.	Ls..	Ky.	9LA14.	Ls..	Spain
8LA21.	Ss..	Ohio	8RB17.	Ls..	Pa.	9LB14.	Ls..	Iowa
8LB21.	Ss..	Ohio	8RA18.	Ls..	Ky.	9LA15.	M..	Siam
8LA22.	Diabase.	Mass.	8RB18.	Ss..	Pa.	9LB15.	M..	Mass.
8LB22.	Gr.	Mass.	8RA19.	Ss..	Pa.	9LA16.	Ls..	Minn.
8LA23.	Diabase.	Mass.	8RB19.	Ss..	Pa.	9LB16.	Ls..	Md.
8LB23.	Gr.	N.C.	8RA20.	Ss..	Ohio	9LA17.	Ss..	Pa.
8LA24.	Ss..	N.C.	8RB20.	Ss..	Ohio	9LB17.	Ss..	Pa.
8LB24.	Gr.	N.C.	8RA21.	Ss..	Ohio	9LA18.	Ss..	Pa.
8LA25.	Ss..	N.C.	8RB21.	Ss..	Ohio	9LB18.	Ss..	Pa.
8LB25.	Gr.	N.C.	8RA22.	Gn..	Mass.	9LA19.	Ss..	Pa.
8LA26.	Ss..	N.C.	8RB22.	Gr..	Mass.	9LB19.	Slate.	Pa.
8LB26.	Gr.	N.C.	8RA23.	Ss..	Mass.	9LA20.	Ss..	Pa.
8LA27.	Diabase.	Maine	8RB23.	Gr..	N.C.	9LB20.	Cong..	Pa.
8LB27.	Gr..	Maine	8RA24.	Ss..	N.C.	9LA21.	Ss..	Ohio
8LA28.	Ss..	N.Y.	8RB24.	Gr..	N.C.	9LB21.	Ss..	Ohio
8LB28.	Ss..	N.Y.	8RA25.	Ss..	N.C.	9LA22.	Ss..	Ohio
8LA29.	Ss..	N.Y.	8RB25.	Gr..	N.C.	9LB22.	Ss..	Ohio
8LB29.	Ss..	N.Y.	8RA26.	Ss..	N.C.	9LA23.	Gr..	Mass.
8LA30.	Ss..	N.Y.	8RB26.	Gr..	N.C.	9LB23.	Ss..	Ohio
8LB30.	Ss..	N.Y.	8RA27.	Schist.	Maine	9LA24.	Gr..	Mass.
8LA31.	Ss..	Ky.	8RB27.	Gr..	Maine	9LB24.	Gn..	Mass.
8LB31.	Ss..	Ky.	8RA28.	Ss..	N.Y.	9LA25.	Ss..	N.C.
8LA32.	Ss..	Tex.	8RB28.	Ss..	N.Y.	9LA22.	Ss..	N.C.
8LB32.	Ss..	Tex.	8RA29.	Ss..	N.Y.	9LB25.	Serp..	N.C.
8LA33.	Ss..	Colo.	8RB29.	Ss..	N.Y.	9LA26.	Ss..	N.C.
8LB33.	Ss..	Colo.	8RA30.	Ss..	N.Y.	9LB26.	Ss..	Australia
8LA34.	Ss..	Minn.	8RB30.	Ss..	N.Y.	9LA27.	Ss..	Australia
8LB34.	Ss..	Minn.	8RA31.	Ss..	Ky.	9LB27.	Ss..	Australia
8LA35.	Ss..	Conn.	8RB31.	Ss..	Ky.	9LA28.	Ss..	N.Y.
8LB35.	Ss..	Conn.	8RA32.	Ss..	Tex.	9LB28.	Ss..	N.Y.
8LA36.	Ss..	Mo.	8RB32.	Ss..	Tex.	9LA29.	Ss..	N.Y.
8LB36.	Ss..	Scotland	8RA33.	Ss..	Colo.	9LB29.	Ss..	N.Y.
8LA37.	Ss..	Mo.	8RB33.	Ss..	Colo.	9LB30.	Ss..	N.Y.
8LB37.	Ss..	Mo.	8RA34.	Ss..	Minn.	9LA31.	Slate.	N.Y.
8LA38.	Ss..	Ariz.	8RB34.	Ss..	Minn.	9LB31.	Ss..	N.Y.
8LB38.	Ss..	Ariz.	8RA35.	Ss..	Conn.	9LA32.	Ss..	Tex.
8LA39.	Ss..	Kans.	8RB35.	Ss..	Conn.	9LB32.	QI..	N.Y.
8LB39.	Ss..	W.Va.	8RA36.	Ss..	Mo.	9LA33.	Ss..	Ariz.
8LA40.	Ss..	W.Va.	8RB36.	Ss..	Scotland	9LB33.	Pyroph.	Tex.
8LB40.	Ss..	W.Va.	8RA37.	Ss..	Mo.	9LA34.	Ss..	W.Va.
8LA41.	Ss..	Miss.	8RB37.	Ss..	Mo.	9LB34.	Ss..	Oreg.
8LB41.	Serp..	Md.	8RA38.	Tuff.	Ariz.	9LA35.	Gr..	N.J.
8LA42.	Ss..	N.J.	8RB38.	Gn..	Md.	9LB35.	QI..	S.D.
8LB42.	Ss..	N.J.	8RA39.	Ss..	W.Va.	9LA36.	Cong..	N.J.
8LA43.	Ss..	Mont.	8RB39.	Ss..	N.J.	9LB36.	Ss..	Ala.
8LB43.	Ss..	Mont.	8RA40.	Ss..	N.J.	9LA37.	Serp..	Unknown
8LA44.	Gr..	Wis.	8RB40.	Ss..	N.J.	9LB37.	Ss..	Oreg.
8LB44.	Gr..	Wis.	8RA41.	Ss..	N.J.	9LA38.	Ss..	Ind.
8LA45.	Ss..	Wash.	8RB41.	Ss..	N.J.	9LB38.	Ditabase..	Oreg.
8LB45.	Gn..	Wis.	8RA42.	Basalt.	Ore.	9LA39.	Ss..	Ind.
8LA46.	Ss..	Wash.	8RB42.	Ss..	Mont.	9LB39.	Diabase..	Oreg.
8LB46.	Ss..	Wash.	8RA43.	Ss..	Mont.	9LA40.	Ss..	Ill.
8LA47.	Ss..	N. Mex.	8RB43.	Ss..	Mont.	9LB40.	Ss..	Ind.
8LB47.	Ss..	N. Mex.	8RA44.	Ss..	Mich.	9LA41.	Ss..	Ind.
8L48.	Ss..	Ohio	8RB44.	Ss..	Mich.	9LB41.	Ss..	Ind.
Course 8, Right			8RA45.	Ss..	Wash.	9LA42.	Ss..	Ind.
Course 9, Left			8RB45.	Ss..	Wis.	9LB42.	Ss..	Wis.
Course 9, Right			8RA46.	Ss..	Wash.	9LA43.	Ss..	Ind.
Course 9, Right			8RB46.	Ss..	Wash.	9LB43.	Ss..	Fla.
Course 9, Right			8RA47.	Gr..	Wash.	9LA44.	Ss..	Wyo.
Course 9, Right			8RB47.	Ss..	Ohio	9LB44.	Ss..	Canada
Course 9, Right			8R48.	Ss..		9LA45.	Gr..	Canada
Course 9, Right						9LB45.	Ss..	Canada
8RA1.	M..	Portugal	9LA1.	Ls..	Portugal	9RA1.	M..	Portugal
8RB1.	M..	Portugal	9LB1.	M..	Portugal	9RB1.	Ls..	Portugal
8RA2.	Ls..	Portugal	9LA2.	M..	Tenn.	9RA2.	M..	Tenn.
8RB2.	Ls..	Portugal	9LB2.	M..	Tenn.	9RB2.	M..	Tenn.
8RA3.	Ls..	Portugal	9LA3.	M..	Colo.	9RA3.	Ls..	Colo.
8RB3.	Ls..	Portugal	9LB3.	M..	Tenn.	9RB3.	M..	Tenn.
8RA4.	Ls..	Tenn.	9LA4.	Ls..	Colo.	9RA4.	M..	Colo.
8RB4.	M..	Tenn.	9LB4.	M..	N.C.	9RB4.	M..	N.C.
8RA5.	M..	Tenn.	9LA5.	Ls..	Mo.	9RA5.	Ls..	Mo.
8RB5.	M..	Tenn.	9LB5.	Ls..	Okla.	9RB5.	Ls..	N.C.
8RA6.	Ls..	N.Y.						
8RB6.	M..	Tenn.						
8RA7.	M..	Austria H.						
8RB7.	Ls..	Nebr.						
8RA8.	M..	Austria H.						
8RB8.	M..	W.Va.						

TABLE 3. Course list for identifying samples, by position, in wall—Continued

Wall No.	Type	Source	Wall No.	Type	Source	Wall No.	Type	Source
9RA6.....	M.....	Austria H.	10LA6.....	Mg.Ls.....	Tenn.	10RA2.....	Mg.M.....	Wash.
9RB6.....	M.....	Austria H.	10LB6.....	Ls.....	Mo.	10RB2.....	M.....	Portugal
9RA7.....	M.....	Vt.	10LA7.....	Mg.Ls.....	N.Y.	10RA3.....	DM.....	Vt.
9RB7.....	M.....	Vt.	10LB7.....	Ls.....	Mo.	10RB3.....	M.....	Austria
9RA8.....	M.....	Vt.	10LA8.....	D.....	Pa.	10RA4.....	DM.....	Vt.
9RB8.....	M.....	Vt.	10LB8.....	Ls.....	Hungary	10RB4.....	M.....	Austria
9RA9.....	Ls.....	Iowa	10LA9.....	D.....	Kans.	10RA5.....	DM.....	Vt.
9RB9.....	Ls.....	Iowa	10LB9.....	M.....	Vt.	10RB5.....	Trav.	Colo.
9RA10.....	Ls.....	Iowa	10LA10.....	Mg.Ls.....	Ohio	10RA6.....	Mg.M.....	Vt.
9RB10.....	Ls.....	Iowa	10LB10.....	M.....	Vt.	10RB6.....	Ls.....	Mo.
9RA11.....	Ls.....	Iowa	10LA11.....	D.....	Ohio	10RA7.....	DM.....	Vt.
9RB11.....	Ls.....	Iowa	10LB11.....	M.....	Va.	10RB7.....	Ls.....	Mo.
9RA12.....	Ls.....	Iowa	10LA12.....	Mg.Ls.....	Ohio	10RA8.....	Mg.M.....	Tenn.
9RB12.....	Ls.....	Iowa	10LB12.....	D.....	Kans.	10RB8.....	Ls.....	Mo.
9RA13.....	Ls.....	Kans.	10LA13.....	D.....	Md.	10RA9.....	D.....	Wis.
9RB13.....	Ls.....	Iowa	10LB13.....	Ls.....	Iowa	10RB9.....	D.....	Vt.
9RA14.....	Ls.....	Spain	10LA14.....	M.....	Vt.	10RA10.....	Mg.Ls.....	N.Y.
9RB14.....	Ls.....	Iowa	10LB14.....	M.....	England	10RB10.....	M.....	Vt.
9RA15.....	M.....	Spain	10LA15.....	M.....	Vt.	10RA11.....	D.....	Pa.
9RB15.....	M.....	Mass.	10LB15.....	M.....	Argentina	10RB11.....	M.....	Cuba
9RA16.....	Ls.....	Minn.	10LA16.....	M.....	Vt.	10RA12.....	D.....	Kans.
9RB16.....	M.....	Md.	10LB16.....	M.....	Pa.	10RB12.....	Ls.....	Iowa
9RA17.....	Slate.....	Pa.	10LA17.....	M.....	Australia	10RA13.....	D.....	Ohio
9RB17.....	Ss.....	Unknown	10LB17.....	Soapstone	Pa.	10RB13.....	Ls.....	Iowa
9RA18.....	Ss.....	Pa.	10LA18.....	Ls.....	Iowa	10RA14.....	D.....	Ohio
9RB18.....	Ss.....	Pa.	10LB18.....	Slate	Pa.	10RB14.....	Ls.....	Ind.
9RA19.....	Ss.....	Pa.	10LA19.....	Ls.....	Iowa	10RA15.....	D.....	Ohio
9RB19.....	Ss.....	Pa.	10LB19.....	Ss.....	Pa.	10RB15.....	M.....	England
9RA20.....	Ss.....	Pa.	10LA20.....	Ls.....	Iowa	10RA16.....	M.....	Vt.
9RB20.....	Ss.....	Ohio	10LB20.....	Ss.....	Ohio	10RB16.....	M.....	Argentina
9RA21.....	Ss.....	Ohio	10LA21.....	Ls.....	Mo.	10RA17.....	M.....	Vt.
9RB21.....	Ss.....	Ohio	10LB21.....	Gr.....	Mass.	10RB17.....	Ls.....	Spain
9RA22.....	Ss.....	Ohio	10LA22.....	Trav.M.....	Ariz.	10RA18.....	M.....	Vt.
9RB22.....	Gr.....	Mass.	10LB22.....	Gn.....	Mass.	10RB18.....	M.....	Va.
9RA23.....	Gr.....	Mass.	10LA23.....	M.....	Cuba	10RA19.....	M.....	Vt.
9RB23.....	Gr.....	Maine	10LB23.....	Gr.....	Mass.	10RB19.....	M.....	N.C.
9RA24.....	Ss.....	N.C.	10LA24.....	Ls.....	Kans.	10RA20.....	Shell Ls.....	Tex.
9RB24.....	Ss.....	Australia	10LB24.....	Gr.....	Mass.	10RB20.....	Slate	Pa.
9RA25.....	Ss.....	N.C.	10LA25.....	Ls.....	Kans.	10RA21.....	Trav.M.....	Ariz.
9RB25.....	Ss.....	Australia	10LB25.....	Gn.....	Mass.	10RB21.....	Ls.....	Pa.
9RA26.....	Ss.....	Australia	10LA26.....	Shell Ls.....	Tex.	10RA22.....	Ss.....	Kans.
9RB26.....	Ss.....	N.Y.	10LB26.....	Melaphyre	Mass.	10RB22.....	Ss.....	Ohio
9RA27.....	Ss.....	N.Y.	10LA27.....	M.....	Italy	10RA23.....	Ls.....	Kans.
9RB27.....	Ss.....	N.Y.	10LB27.....	Gr.....	N.C.	10RB23.....	Gr.....	Mass.
9RA28.....	Ss.....	N.Y.	10LA28.....	M.....	Italy	10RA24.....	Ls.....	Kans.
9RB28.....	Ss.....	N.Y.	10LB28.....	Slate	Maine	10RB24.....	Gr.....	Mass.
9RA29.....	Ss.....	N.Y.	10LA29.....	Trav.M.....	Italy	10RA25.....	M.....	Cuba
9RB29.....	Ss.....	N.Y.	10LB29.....	Gr.....	Maine	10RB25.....	Gr.....	Maine
9RA30.....	Slate.....	N.Y.	10LA30.....	Diabase	Maine	10RA26.....	M.....	Italy
9RB30.....	Ss.....	N.Y.	10LB30.....	Gr.....	Maine	10RB26.....	Slate	Maine
9RA31.....	Gn.....	Conn.	10LA31.....	Gr.....	Maine	10RA27.....	M.....	Italy
9RB31.....	Pyroph.	Mex.	10LB31.....	Gr.....	Maine	10RB27.....	Gr.....	Maine
9RA32.....	Ss.....	Italy	10LA32.....	Gr.....	Maine	10RA28.....	Trav.M.....	Italy
9RB32.....	Ss.....	Mo.	10LB32.....	Ss.....	N.Y.	10RB28.....	Gr.....	Maine
9RA33.....	Ss.....	Minn.	10LA33.....	Gr.....	Maine	10RA29.....	Andesite	Mexico
9RB33.....	Ss.....	Ariz.	10LB33.....	Ss.....	Tex.	10RB29.....	Ss.....	N.Y.
9RA34.....	Ss.....	Mo.	10LA34.....	Gr.....	Maine	10RA30.....	Ss.....	Mexico
9RB34.....	Ss.....	Ala.	10LB34.....	Gn.....	Conn.	10RB30.....	Slate	N.Y.
9RA35.....	Ss.....	Ariz.	10LA35.....	QP.....	Minn.	10RA31.....	Ss.....	Kans.
9RB35.....	Ss.....	W.Va.	10LB35.....	Gn.....	Conn.	10RB31.....	Ss.....	Tex.
9RA36.....	Ss.....	W.Va.	10LA36.....	Serp.	England	10RA32.....	Ss.....	Kans.
9RB36.....	Ss.....	N.J.	10LB36.....	Ss.....	Kans.	10RB32.....	Ss.....	Colo.
9RA37.....	Ss.....	Spain	10LA37.....	Ss.....	Kans.	10RA33.....	Ss.....	Kans.
9RB37.....	Ss.....	Oreg.	10LB37.....	Ss.....	W.Va.	10RB33.....	Gr.....	Conn.
9RA38.....	Tuff.....	Spain	10LA38.....	Dacite	Mexico	10RA34.....	Gr.....	Va.
9RB38.....	Ss.....	Oreg.	10LB38.....	Ss.....	Colo.	10RB34.....	Basalt	Mexico
9RA39.....	Ss.....	Wyo.	10LA39.....	Ss.....	Mexico	10RA35.....	Gr.....	N.H.
9RB39.....	Ss.....	Ind.	10LB39.....	Pyroph.	Mexico	10RB35.....	Pumice	Mexico
9RA40.....	Diorite	Wyo.	10LA40.....	Tuff	Mexico	10RA36.....	Gr.....	N.H.
9RB40.....	Ss.....	Ind.	10LB40.....	QI.....	S.Dak.	10RB36.....	Ss.....	Mo.
9RA41.....	Ss.....	Ill.	10LA41.....	Tuff	Mexico	10RA37.....	Gr.....	N.H.
9RB41.....	Ss.....	Wis.	10LB41.....	QI.....	Md.	10RB37.....	Ss.....	W.Va.
9RA42.....	Ss.....	Ill.	10LA42.....	Diabase	N.J.	10RA38.....	Gr.....	N.H.
9RB42.....	Ss.....	Portugal	10LB42.....	Gr.....	Mont.	10RB38.....	Gr.....	Unknown
9RA43.....	Ss.....	Idaho	10LA43.....	Gr.....	N.H.	10RA39.....	Gr.....	N.H.
9RB43.....	Ss.....	Canada	10LB43.....	Gr.....	N.H.	10RB39.....	Ss.....	Unknown
9RA44.....	Ss.....	Iowa	10LA44.....	Gr.....	N.H.	10RA40.....	Gr.....	N.H.
9RB44.....	Gr.....	Canada	10LB44.....	Gr.....	N.H.	10RB40.....	Gr.....	Md.
9RA45.....	Ss.....	Canada	10LA45.....	Gr.....	N.H.	10RA41.....	Gr.....	N.H.
9RB45.....	Ss.....	Canada	10LB45.....	Gr.....	N.H.	10RB41.....	Gr.....	Md.
9RA46.....	Ss.....	Canada	10LA46.....	Gr.....	N.H.	10RB42.....	Gr.....	Wyo.
			10LB46.....	Ss.....	Wis.	10RB42.....	Basalt	Wyo.
			10LA47.....	Gr.....	Wyo.	10RA43.....	Gr.....	Mont.
			10LB47.....	Ss.....	Wis.	10RB43.....	Gr.....	N.J.
			10LA48.....	Gr.....	R.I.	10RA44.....	Gr.....	N.H.
			10LB48.....	Gr.....	R.I.	10RB44.....	Gr.....	R.I.
			10LA49.....	QI.....	Mich.	10RA45.....	Gr.....	Vt.
			10LB49.....	Serp.	N.Mex.	10RB45.....	Gr.....	N.H.
			10LA50.....	Ss.....	Canada	10RA46.....	Gr.....	R.I.
			10LB51.....	Slate	Pa.	10RB46.....	Diabase	N.J.
						10RA47.....	Syenite	Tenn.
						10RB47.....	Gr.....	R.I.
						10RA48.....	Gr.....	Tenn.
						10RB48.....	Ss.....	Wis.
						10RA49.....	Gr.....	Tenn.

Course 10, Left

10LA1.....	Mg.M.....	Wash.
10LB1.....	Cong.M.....	Portugal
10LA2.....	Mg.M.....	Vt.
10LB2.....	Ls.....	Portugal
10LA3.....	DM.....	Vt.
10LB3.....	M.....	Tenn.
10LA4.....	DM.....	Vt.
10LB4.....	M.....	Tenn.
10LA5.....	D.....	Wis.
10LB5.....	Trav.	Colo.

Course 10, Right

10RA1.....	Mg.M.....	Va.
10RB1.....	Cong.M.....	Portugal

TABLE 3. Course list for identifying samples, by position, in wall—Continued

Wall No.	Type	Source	Wall No.	Type	Source	Wall No.	Type	Source
10RB49.....	QP.	Wis.	12LA2.....	DM.		12LB2.....	D.	Calif.
10RB50.....	Serp.	N.Mex.	12LA3.....	D.		12LA4.....	Mg.Ls.	N.C.
10R51.....	Slate.	Pa.	12LA5.....	D.		12LB3.....	D.	Ill.
Course 11, Right								
11RA1.....	D.	Ind.	12LA6.....	D.		12LB4.....	Mg.M.	Tex.
11RB1.....	D.	Ind.	12LA7.....	Mg.Ls.		12LB5.....	Mg.M.	Tenn.
11RA2.....	Mg.M.	Mich.	12LA8.....	D.		12LB6.....	Mg.Ls.	Tenn.
11RB2.....	D.	Wis.	12LA9.....	D.		12LA9.....	D.	Wis.
11LA3.....	D.	Wis.	12LA10.....	D.		12LA10.....	D.	N.Y.
11LB3.....	DM.	N.Y.	12LA11.....	D.		12LA11.....	D.	Minn.
11LA4.....	Mg.Ls.	N.Y.	12LA12.....	D.		12LA12.....	D.	Pa.
11LB4.....	DM.	N.Y.	12LA13.....	D.		12LA13.....	D.	Pa.
11LA5.....	Mg.Ls.	Minn.	12LA14.....	D.		12LA14.....	D.	Ohio
11LB5.....	D.	Minn.	12LA15.....	D.		12LA15.....	D.	Ohio
11LA6.....	D.	Minn.	12LA16.....	D.		12LA16.....	D.	Utah
11LB6.....	D.	Pa.	12LA17.....	D.		12LA17.....	D.	Iowa
11LA7.....	DM.	Pa.	12LA18.....	D.		12LA18.....	D.	Mo.
11LB7.....	D.	Pa.	12LA19.....	D.		12LA19.....	D.	Iowa
11LA8.....	Mg.Ls.	Kans.	12LA20.....	D.		12LA20.....	D.	Ky.
11LB8.....	D.	Kans.	12LA21.....	D.		12LA21.....	D.	Ky.
11LA9.....	D.	Ohio	12LA22.....	D.		12LA22.....	D.	Mo.
11LB9.....	DM.	Pa.	12LA23.....	D.		12LA23.....	D.	Iowa
11LA10.....	DM.	Ga.	12LA24.....	D.		12LA24.....	D.	Iowa
11LB10.....	Mg.Ls.	Kans.	12LA25.....	D.		12LA25.....	D.	Vt.
11LA11.....	D.	Ky.	12LA26.....	D.		12LA26.....	D.	Vt.
11LB11.....	D.	Ohio	12LA27.....	D.		12LA27.....	D.	Vt.
11LA12.....	D.	Mo.	12LA28.....	D.		12LA28.....	D.	Iowa
11LB12.....	D.	Ohio	12LA29.....	D.		12LA29.....	D.	Mo.
11LA13.....	D.	Mo.	12LA30.....	D.		12LA30.....	D.	Kans.
11LB13.....	D.	Utah	12LA31.....	D.		12LA31.....	D.	Canada
11LA14.....	Mg.Ls.	Iowa	12LA32.....	D.		12LA32.....	D.	Kans.
11LB14.....	D.	Mo.	12LA33.....	D.		12LA33.....	D.	Italy
11LA15.....	D.	Iowa	12LA34.....	D.		12LA34.....	D.	Italy
11LB15.....	D.	Mo.	12LA35.....	D.		12LA35.....	D.	Tenn.
11LA16.....	D.	Iowa	12LA36.....	D.		12LA36.....	D.	Italy
11LB16.....	M.	Vt.	12LA37.....	D.		12LA37.....	D.	Fla.
11LA17.....	D.	Iowa	12LA38.....	D.		12LA38.....	D.	Coquina
11LB17.....	M.	Vt.	12LA39.....	D.		12LA39.....	D.	Italy
11LA18.....	M.	Vt.	12LA40.....	D.		12LA40.....	D.	Coquina
11LB18.....	M.	Vt.	Course 12, Right					
11LA19.....	M.	Vt.	12LA41.....	D.		12LA41.....	D.	Fla.
11LB19.....	M.	Vt.	12LA42.....	D.		12LA42.....	D.	Italy
11LA20.....	Ls.	Iowa	12LA43.....	D.		12LA43.....	D.	Wis.
11LB20.....	Ls.	Iowa	12LA44.....	D.		12LA44.....	D.	Md.
11LA21.....	Ls.	Mo.	12LA45.....	D.		12LA45.....	D.	Pa.
11LB21.....	Ls.	Mo.	12LA46.....	D.		12LA46.....	D.	Ind.
11LA22.....	M.	Cuba	Course 12, Left					
11LB22.....	Ls.	Kans.	12LA47.....	D.		12LA47.....	D.	N.C.
11LA23.....	Ls.	Kans.	12LA48.....	D.		12LA48.....	D.	Ind.
11LB23.....	M.	Tenn.	12LA49.....	D.		12LA49.....	D.	Ind.
11LA24.....	M.	Tenn.	12LA50.....	D.		12LA50.....	D.	Ind.
11LB24.....	M.	Italy	12LA51.....	D.		12LA51.....	D.	Ind.
11LA25.....	Ls.	Tenn.	12LA52.....	D.		12LA52.....	D.	Ind.
11LB25.....	Ss.	Italy	12LA53.....	D.		12LA53.....	D.	Ind.
11LA26.....	M.	Tenn.	12LA54.....	D.		12LA54.....	D.	Ind.
11LB26.....	Ss.	Iowa	12LA55.....	D.		12LA55.....	D.	Ind.
11LA27.....	M.	Tenn.	12LA56.....	D.		12LA56.....	D.	Ind.
11LB27.....	QI.	Ark.	12LA57.....	D.		12LA57.....	D.	Ind.
11LA28.....	M.	Tenn.	12LA58.....	D.		12LA58.....	D.	Ind.
11LB28.....	Ss.	Scotland	12LA59.....	D.		12LA59.....	D.	Ind.
11LA29.....	M.	Italy	12LA60.....	D.		12LA60.....	D.	Ind.
11LB29.....	Ss.	Mo.	Course 12, Left					
11LA30.....	M.	N.Y.	12LA61.....	D.		12LA61.....	D.	Ind.
11LB30.....	Ss.	Mo.	12LA62.....	D.		12LA62.....	D.	Ind.
11LA31.....	Trav.	S.Dak.	12LA63.....	D.		12LA63.....	D.	Ind.
11LB31.....	Ss.	Kans.	12LA64.....	D.		12LA64.....	D.	Ind.
11LA32.....	M.	Mont.	12LA65.....	D.		12LA65.....	D.	Ind.
11LB32.....	Ss.	Utah	12LA66.....	D.		12LA66.....	D.	Ind.
11LA33.....	Ls.	Ohio	12LA67.....	D.		12LA67.....	D.	Ind.
11LB33.....	Gr.	N.H.	12LA68.....	D.		12LA68.....	D.	Ind.
11LA34.....	M.	S.C.	12LA69.....	D.		12LA69.....	D.	Ind.
11LB34.....	Porph.	N.H.	12LA70.....	D.		12LA70.....	D.	Ind.
11LA35.....	Gr.	Va.	12LA71.....	D.		12LA71.....	D.	Ind.
11LB35.....	Ss.	Va.	12LA72.....	D.		12LA72.....	D.	Ind.
11LA36.....	Ss.	Portugal	12LA73.....	D.		12LA73.....	D.	Ind.
11LB36.....	Diabase.	Va.	12LA74.....	D.		12LA74.....	D.	Ind.
11LA37.....	Ss.	Portugal	12LA75.....	D.		12LA75.....	D.	Ind.
11LB37.....	Gr.	Va.	12LA76.....	D.		12LA76.....	D.	Ind.
11LA38.....	Ss.	Tenn.	12LA77.....	D.		12LA77.....	D.	Ind.
11LB38.....	Gr.	Va.	12LA78.....	D.		12LA78.....	D.	Ind.
11LA39.....	Ss.	Tenn.	12LA79.....	D.		12LA79.....	D.	Ind.
11LB39.....	Gr.	Va.	12LA80.....	D.		12LA80.....	D.	Ind.
11LA40.....	Ss.	Tenn.	12LA81.....	D.		12LA81.....	D.	Ind.
11LB40.....	Serp.	Vt.	12LA82.....	D.		12LA82.....	D.	Ind.
11LB41.....	Ss.	Wash.	12LA83.....	D.		12LA83.....	D.	Ind.
11LB42.....	Gn.	N.C.	12LA84.....	D.		12LA84.....	D.	Ind.
11LB43.....	Ss.	Canada	12LA85.....	D.		12LA85.....	D.	Ind.
11LB44.....	Ss.	N.Mex.	12LA86.....	D.		12LA86.....	D.	Ind.
11LB45.....	Ss.	Ky.	12LA87.....	D.		12LA87.....	D.	Ind.
12LA1.....			12LA88.....	D.		12LA88.....	D.	Ind.
12LB1.....								

TABLE 3. Course list for identifying samples, by position, in wall—Continued

Wall No.	Type	Source	Wall No.	Type	Source	Wall No.	Type	Source
12RB8	Mg.Ls.	N.Y.	13LB14	D.	Iowa	13RA12	D.	Ohio
12RA9	D.	Minn.	13LA15	D.	Iowa	13RB12	D.	Ohio
12RB9	D.	Minn.	13LB15	D.	Iowa	13RA13	D.	Iowa
12RA10	DM.	Pa.	13LA16	Mg.Ls.	Iowa	13RB13	D.	Mass.
12RB10	DM.	Pa.	13LB16	Mg.Ls.	Iowa	13RA14	D.	Iowa
12RB11	Mg.Ls.	Ky.	13LA17	M.	Vt.	13RB14	Mg.M.	Iowa
12RB11	Mg.Ls.	Ky.	13LB17	M.	Vt.	13RA15	D.	Iowa
12RA12	D.	Ohio	13LA18	M.	Vt.	13RB15	D.	Iowa
12RB12	D.	Ohio	13LB18	M.	Vt.	13RA16	D.	Iowa
12RA13	D.	Ohio	13LA19	Ls.	Iowa	13RB16	D.	Iowa
12RB13	D.	Ohio	13LB19	M.	Vt.	13RA17	M.	Vt.
12RA14	Mg.Ls.	Ohio	13LA20	Fossil	Iowa	13RB17	M.	Vt.
12RB14	D.	Mo.	13LB20	Coral	Iowa	13RA18	Ls.	Iowa
12RA15	D.	Mo.	13LA21	Ls.	Iowa	13RB18	M.	Vt.
12RB15	D.	Iowa	13LB21	Ls.	Iowa	13RA19	Ls.	Iowa
12RA16	D.	Iowa	13LA22	M.	Cuba	13RB19	M.	Vt.
12RB16	D.	Iowa	13LB22	Ls.	Mo.	13RA20	Ls.	Iowa
12RA17	D.	Iowa	13LA23	M.	Austria H.	13RA21	Ls.	Vt.
12RB17	D.	Iowa	13LB23	M.	Cuba	13RB21	M.	Iowa
12RA18	M.	Va.	13LA24	M.	Austria H.	13RA22	Ss.	Mo.
12RB18	M.	Vt.	13LB24	M.	Canada	13RB22	M.	Tex.
12RA19	M.	Vt.	13LA25	Ls.	Kans.	13RA23	Ls.	Kans.
12RB19	M.	Vt.	13LB25	M.	Canada	13RB23	Ls.	Tex.
12RA20	M.	Vt.	13LA26	Ls.	Tex.	13RA24	Ls.	Kans.
12RB20	M.	Vt.	13LB26	Ls.	Tex.	13RB24	Ls.	Nebr.
12RA21	Ls.	Iowa	13LA27	Ls.	Tenn.	13RA25	M.	Cuba
12RB21	Ls.	Mo.	13LB27	Ls.	Tenn.	13RB25	Ls.	N.C.
12RA22	M.	Italy	13LA28	M.	Tenn.	13RA26	Ls.	Canada
12RB22	Ls.	Kans.	13LB28	M.	Tenn.	13RB26	Ls.	Colo.
12RA23	Ls.	Tenn.	13LA29	M.	Austria	13RA27	Ls.	Tenn.
12RB23	Ls.	Kans.	13LB29	Ls.	Italy	13RB27	Ls.	Colo.
12RA24	M.	Italy	13LA30	M.	Austria	13RA28	M.	Tenn.
12RB24	Ls.	Tenn.	13LB30	M.	Austria	13RB28	M.	Austria
12RA25	Trav.	Italy	13LA31	M.	Austria	13RA29	M.	Tenn.
12RB25	M.	Tenn.	13LB31	M.	Austria	13RB29	M.	Austria
12RA26	M.	Italy	13LA32	M.	Spain	13RA30	M.	Austria
12RB26	M.	Italy	13LB32	Ls.	Span.	13RB30	M.	Austria
12RA27	Coquina	Fla.	13LA33	M.	Spain	13RA31	M.	Austria
12RB27	M.	Italy	13LB33	M.	Mass.	13RB31	DM.	Mass.
12RA28	Coquina	Fla.	13LA34	M.	Spain	13RA32	M.	Spain
12RB28	M.	Italy	13LB34	M.	Spain	13RB32	M.	Spain
12RA29	M.	Ohio	13LA35	Ls.	Spain	13RA33	M.	Spain
12RB29	M.	Italy	13LB35	M.	Spain	13RB33	M.	Utah
12RA30	Ls.	Ill.	13LA36	Ls.	Hungary	13RA34	M.	Spain
12RB30	Ls.	N.Y.	13LB36	M.	Utah	13RB34	M.	Spain
12RA31	M.	Md.	13LA37	Ls.	N.Y.	13RA35	Ls.	Spain
12RB31	M.	Pa.	13LB37	M.	Ga.	13RB35	Ls.	N.Y.
12RA32	Ls.	Ind.	13LA38	M.	Pa.	13RA36	Ls.	Hungary
12RB32	Ls.	Pa.	13LB38	M.(Ophiolite)	N.Y.	13RB36	Ls.	Pa.
12RA33	Ls.	Ind.	13LA39	M.	Pa.	13RA37	Ls.	Pa.
12RB33	Ls.	Ohio	13LB39	Ls.	Pa.	13RB37	Ls.	Pa.
12RA34	Ls.	Ind.	13LA40	Ls.	Ohio	13RA38	M.	Pa.
12RB34	Ls.	Ill.	13LB40	M.	Md.	13RB38	Ls.	Pa.
12RA35	Ls.	Ind.	13LA41	M.	Md.	13RA39	M.	Pa.
12RB35	M.	Unknown	13LB41	M.	S.C.	13RB39	M.	Ill.
12RA36	Ls.	Ky.	13LA42	Ls.	Ill.	13RA40	M.	M.d.
12RB36	Ls.	Ind.	13LB42	Ls.	Ill.	13RB40	Ls.	Ill.
12RA37	M.	Ala.	13LA43	Ls.	Ky.	13RA41	Ls.	Ky.
12RB37	M.	Portugal	13LB43	Ls.	Ky.	13RB41	Ls.	Ind.
12RB38	Ls.	Ky.	13LB43	Ls.	Ky.	13RA42	Ls.	Ky.
12RB39	M.	Ala.	13LA44	Ls.	Ky.	13RB42	Ls.	Ind.
12RB40	Ls.	Ala.	13LB44	Ls.	Ky.	13RA43	Ls.	Ky.
12R41	M.	Ala.	13LA45	Ls.	Ky.	13RB43	Ls.	Ky.

Course 13, Left

13LA1	Mg.Ls.	Vt.
13LB1	Mg.M.	Va.
13LA2	D.	Ill.
13LB2	D.	Ill.
13LA3	Mg.M.	Tenn.
13LB3	Mg.M.	Tenn.
13LA4	D.	Wis.
13LB4	D.	Wis.
13LA5	D.	Wis.
13LB5	DM.	N.Y.
13LA6	Mg.Ls.	N.Y.
13LB6	D.	N.Y.
13LA7	D.	Minn.
13LB7	D.	Minn.
13LA8	D.	Pa.
13LB8	DM.	Pa.
13LA9	DM.	Conn.
13LB9	D.	Ohio
13LA10	Mg.Ls.	Ohio
13LB10	D.	Ohio
13LA11	Mg.Ls.	Ohio
13LB11	D.	Ohio
13LA12	D.	N.J.
13LB12	D.	Iowa
13LA13	Mg.Ls.	Iowa
13LB13	D.	Iowa
13LA14	D.	Iowa

Course 13, Right

13RA1	Mg.M.	Vt.
13RB1	Mg.M.	Vt.
13RA2	D.	Ill.
13RB2	D.	Ill.
13RA3	Mg.M.	Tenn.
13RB3	Mg.M.	Tenn.
13RA4	D.	Wis.
13RB4	D.	Wis.
13RA5	Mg.Ls.	N.Y.
13RB5	Mg.Ls.	N.Y.
13RA6	D.M.	N.Y.
13RB6	Mg.Ls.	N.Y.
13RA7	D.	Minn.
13RB7	D.	Mass.
13RA8	D.	Pa.
13RB8	D.	Pa.
13RA9	D.M.	Conn.
13RB9	D.	Ohio
13RA10	D.	Ohio
13RB10	D.	Ohio
13RA11	D.	Ohio
13RB11	D.	Ohio

Course 14, Left

14LA1	D.	Ind.
14LB1	D.	Ind.
14LA2	D.	Ill.
14LB2	Mg.M.	Vt.
14LA3	D.	Ill.
14LB3	D.	Vt.
14LA4	D.	Tex.
14LB4	D.	Ill.
14LA5	D.	Wis.
14LB5	Mg.M.	Tenn.
14LA6	D.	Wis.
14LB6	D.M.	N.Y.
14LA7	D.	Mass.
14LB7	D.M.	N.Y.
14LA8	D.	Mass.
14LB8	Mg.Ls.	N.Y.
14LA9	Mg.Ls.	Pa.
14LB9	D.	Pa.
14LA10	D.	Pa.

TABLE 3. Course list for identifying samples, by position, in wall—Continued

Wall No.	Type	Source	Wall No.	Type	Source	Wall No.	Type	Source
Base Course								
14LB10	Mg. M.	Pa.	14RB4	D.	III.	1B	Gr.	Mass.
14LA11	D.M.	Conn.	14RA5	D.	Wis.	2B	Gr.	N.C.
14LB11	D.	Ohio	14RB5	D.	Wis.	3B	Gr.	N.H.
14LA12	D.	Ohio	14RA6	D.	Wis.	4B	Gr.	Mass.
14LB12	D.	Ohio	14RB6	Mg. Ls.	N.Y.	5B	Gr.	Maine
14LA13	D.	Ohio	14RA7	Mg. Ls.	N.Y.	6B	Gr.	N.C.
14LB13	Mg. Ls.	Ohio	14RB7	Mg. Ls.	N.Y.	7B	Gr.	Maine
14LA14	D.	Iowa	14RA8	D.	Minn.	8B	Gr.	Minn.
14LB14	D.	Iowa	14RB8	Mg. Ls.	Minn.	9B	Gr.	Tex.
14LA15	D.	Iowa	41RA9	Mg. Ls.	Pa.	10B	Gr.	Mass.
14LB15	D.	Iowa	14RB9	D.	Pa.	11B	Gr.	N.H.
14LA16	D.	Iowa	14RA10	D.	Pa.	12B	Gr.	Maine
14LB16	D.	Iowa	14RB10	D.	Conn.	13B	Gr.	Ga.
14LA17	D.	Iowa	14RA11	DM.	Ohio	14B	Gr.	Conn.
14LB17	D.	Iowa	14RB11	D.	Ohio	15B	Gr.	N.H.
14LA18	M.	Vt.	14RA12	D.	Ind.	16B	Gr.	Maine
14LB18	M.	Vt.	14RB12	Mg. Ls.	Ohio	17B	Gr.	Mass.
14LA19	M.	Australia	14RA13	D.	Ind.			
14LB19	M.	Vt.	14RB13	D.	Ohio			
14LA20	Ls.	Iowa	14RA14	D.	Ohio			
14LB20	Ls.	Iowa	14RB14	Mg. Ls.	Iowa			
14LA21	Ls.	Iowa	14RA15	D.	Iowa			
14LB21	Ls.	Iowa	15RB15	D.	Iowa			
14LA22	Ls.	Iowa	14RA16	D.	Iowa			
14LB22	Ls.	Iowa	14RB16	D.	Iowa			
14LA23	M.	Colo.	14RA17	Mg. Ls.	Iowa			
14LB23	M.	Ariz.	15RB17	D.	Iowa			
14LA24	M.	Colo.	14RA18	D.	Iowa			
14LB24	M.	Austria H.	14RB18	D.	Iowa			
14LA25	M.	Austria H.	14RA19	M.	Australia			
14LB25	M.	Austria H.	14RB19	M.	Vt.			
14LA26	M.	Austria H.	14RA20	M.	Australia			
14LB26	Ls.	Kans.	14RB20	Ls.	Iowa			
14LA27	M.	Tenn.	14RA21	Ls.	Iowa			
14LB27	Ls.	Tex.	14RB21	Ls.	Iowa			
14LA28	M.	Tenn.	14RA22	Ls.	Iowa			
14LB28	Ls.	Tenn.	14RB22	Ls.	Iowa			
14LA29	M.	Austria	14RA23	Ls.	Iowa			
14LB29	M.	Tenn.	14RB23	Ls.	Iowa			
14LA30	M.	Austria	14RA24	Ls.	Iowa			
14LB30	M.	Austria	14RB24	M.	Ariz.			
14LA31	M.	Austria	14RA25	M.	Austria H.			
14LB31	M.	Austria	14RB25	M.	Austria H.			
14LA32	M.	Austria	14RA26	M.	Austria H.			
14LB32	M.	Austria	14RB26	M.	Austria H.			
14LA33	M.	Austria	14RA27	Ls.	Austria H.			
14LB33	M.	Austria	14RB27	M.	Austria H.			
14LA34	M.	Austria	14RA28	Ls.	Austria H.			
14LB34	M.	Spain	14RB28	Ls.	Austria H.			
14LA35	M.	Austria	14RB29	Ls.	Austria H.			
14LB35	Ls.	Spain	14RB29	M.	Austria H.			
14LA36	M.	Austria	14RA30	M.	Austria H.			
14LB36	M.	Spain	14RB30	M.	Austria H.			
14LA37	Ls.	Hungary	14RA31	M.	Austria H.			
14LB37	Ls.	Hungary	14RB31	M.	Austria H.			
14LA38	Ls.	Hungary	14RA32	M.	Austria H.			
14LB38	Ls.	Pa.	14RB32	M.	Austria H.			
14LA39	M.	Portugal	14RA33	M.	Austria H.			
14LB39	Ls.	Pa.	14RB33	M.	Austria H.			
14LA40	M.	Portugal	14RA34	M.	Austria H.			
14LB40	M.	Pa.	14RB34	Ls.	Austria H.			
14LA41	M.	Portugal	14RA35	M.	Austria H.			
14LB41	M.	Ohio	14RB35	Ls.	Austria H.			
14LA42	M.	Portugal	14RA36	M.	Austria H.			
14LB42	M.	Md.	14RB36	Ls.	Spain			
14LA43	M.	Portugal	14RA37	Ls.	Hungary			
14LB43	Ls.	Nebr.	14RB37	Ls.	Hungary			
14LA44	Ls.	Portugal	14RA38	Ls.	Hungary			
14LB44	Ls.	N.Y.	14RB38	M.	Pa.			
14LA45	Ls.	Portugal	14RA39	M.	Portugal			
14LB45	Ls.	Ky.	14RB39	M.	Portugal			
14LA46	Ls.	Portugal	14RA40	M.	Portugal			
14LB46	Ls.	Ky.	14RB40	Ls.	Ohio			
14LA47	Ls.	Portugal	14RA41	M.	Portugal			
14LB47	Ls.	Ky.	14RB41	M.	Md.			
14LA48	Ls.	Tex.	14RA42	M.	Portugal			
14LB48	Ls.	Mo.	14RB42	M.	Md.			
14LA49	Ls.	Mo.	14RA43	M.	Portugal			
Course 14, Right								
14RA1	D.	Ind.	14RA46	M.	Ky.			
14RB1	D.	Ind.	14RB46	Ls.	Portugal			
14RA2	D.	Ill.	14RA47	M.	Ky.			
14RB2	Mg. M.	Vt.	14RB47	Ls.	Portugal			
14RA3	D.	Ill.	14RA48	Ls.	Ky.			
14RB3	D.	Ill.	14RB48	Ls.	Tex.			
14RA4	D.	Ill.	14RA49	Ls.	Mo.			
Divider Stones								
1D	Greenstone	Va.						
2D	Greenstone	Va.						
3D	Greenstone	Va.						

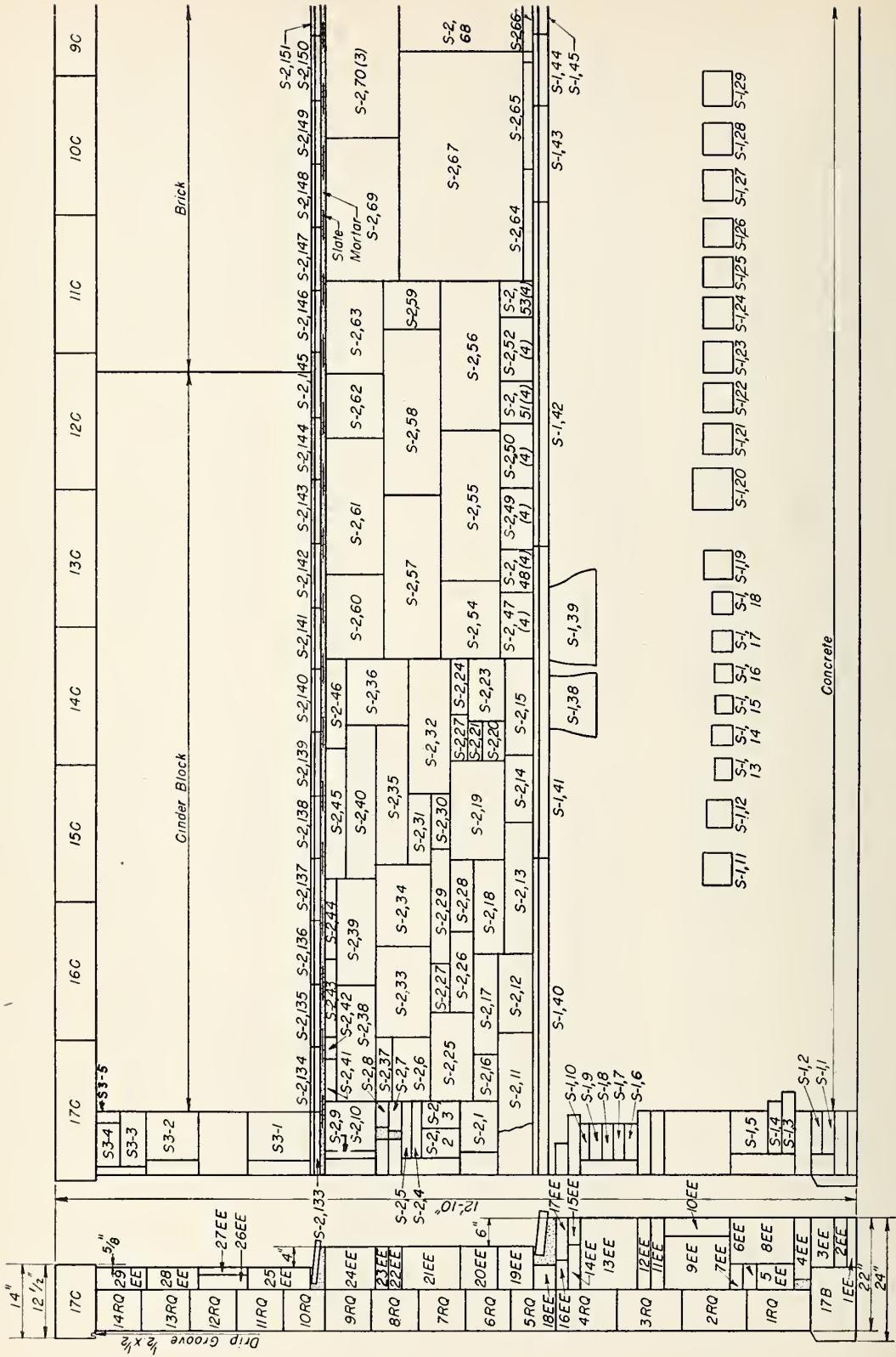


FIGURE 3.

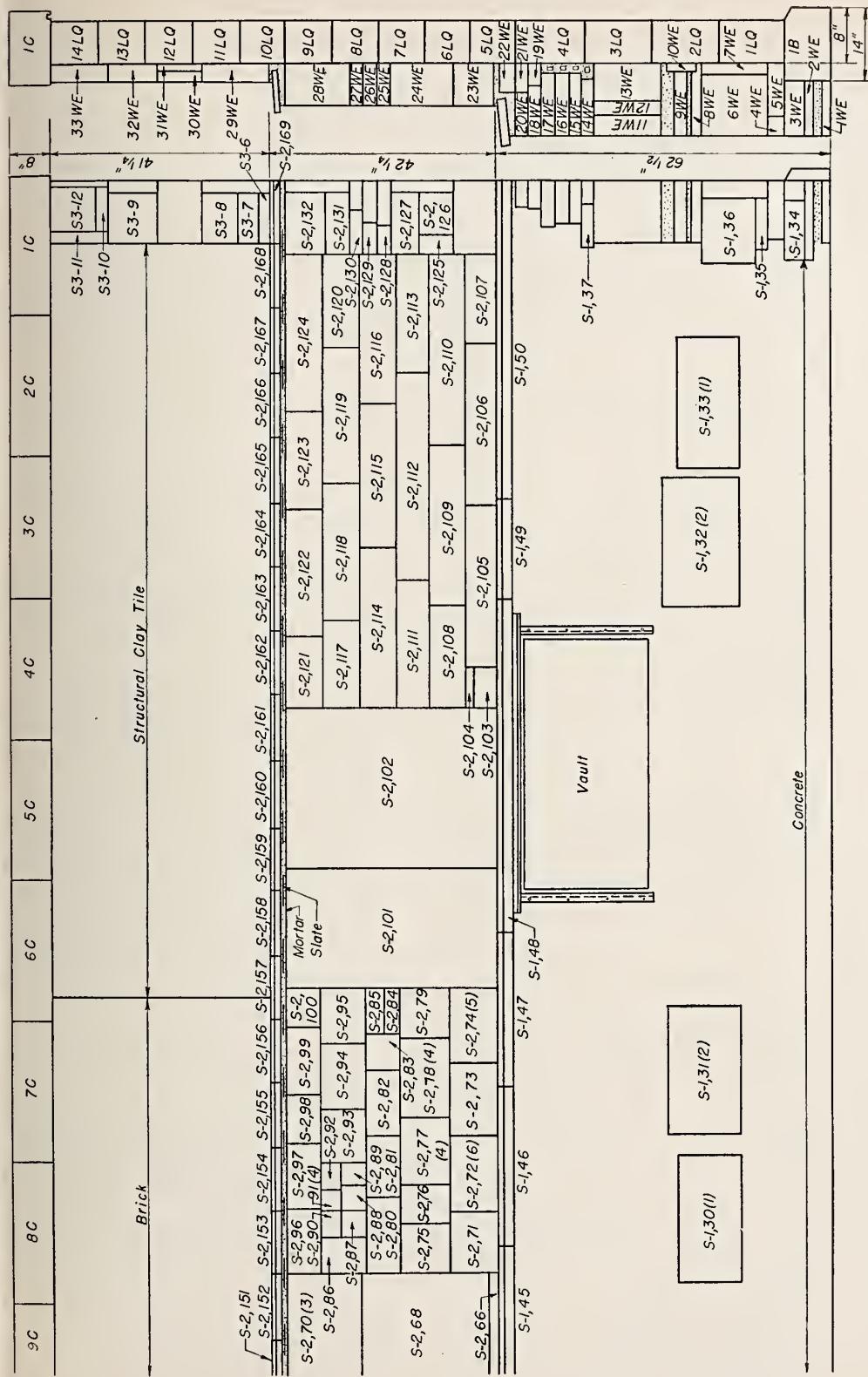


FIGURE 3.—Continued. North face of stone exposure test wall.

The blocks are identified by numbers on the drawing and descriptions in table A. Numerals in parenthesis following some of the wall numbers signify certain experimental treatments as follows: (1) Slabs of "Milford Pink" granite sawed with steel shot. Rust was cleaned from front and back of S-1, 30 by sandblasting, whereas S-1, 33 was cleaned only on the front. (2) Slabs of "Chelmsford Gray" granite sawed with steel shot. Rust was cleaned from front and back of S-1, 31 by sandblasting before slab was set, while S-1, 32 was cleaned only on the front. (3) Slab of "Salisbury Pink" granite sawed with steel shot. Front and east half of back was cleaned by blasting with steel shot before the slab was set in wall. (4) Stones paraged on back with "Atlas White Duraplastic Cement" immediately before being set in wall. (5) Stones paraged on back with "Atlas White Duraplastic Cement" and cured before being set in wall. (6) Stones coated on back with asphalt emulsion immediately before being set in wall.

TABLE 4. *Source, classification, and description of stones in back face and ends of wall*

[Explanation of use in section 8.3. Trade names are enclosed in quotation marks, and a star (*) at end of line signifies that the stone has been used commercially.]

ABBREVIATIONS

calc.	calcite.	Lt.	light.
Co.	County.	med.	medium.
cryst.	crystalline.	Mt.	Mount.
gr.	grain.	Spgs.	Springs.
Isl.	Island.	W.	West.

Source	Wall No.	Description	Source	Wall No.	Description
McDermott, Ohio	S-1, 1	Gray, fine-gr, porous sandstone.*	Malone, N. Y.	S-2, 9	Pink, fine-gr compact sandstone.*
Do.	S-1, 2	Do.	McDermott, Ohio	S-2, 10	Buff, fine-gr porous sandstone.*
Unknown	S-1, 3	Buff, fine-gr sandstone, "Golden Rod".	Potomac, Md.	S-2, 11 to 46	Varicolored chlorite schist, some with cleavage horizontal and some vertical.*
Do.	S-1, 4	Do.	Barre, Vt.	S-2, 47	Gray, med-gr biotite granite.*
Do.	S-1, 5	Do.	Concord, N. H.	S-2, 48	Gray, med-gr muscovite-biotite granite.*
Bedford, Ind.	S-1, 6	Lt-buff, grade B, oolitic limestone.*	Quincy, Mass.	S-2, 49	Dark-gray, coarse-gr hornblende granite.*
Do.	S-1, 7	Do.	W. Chelmsford, Mass.	S-2, 50	Lt-gray, med-gr, biotite granite.*
Do.	S-1, 8	Gray, oolitic limestone.*	Frankfort, Me.	S-2, 51	Gray, coarse-gr biotite granite, "Mt. Waldo".*
Do.	S-1, 9	Do.	Sauk Rapids, Minn.	S-2, 52	Pinkish-gray, coarse-gr biotite granite.*
Do.	S-1, 10	Do.	Mountain Cross, Colo.	S-2, 53	Bluish-gray, fine-gr granodiorite.*
Westerly, R. I.	S-1, 11	Gray, fine-gr, biotite granite.*	Mt. Airy, N. C.	S-2, 54 to 63	"Mt. Airy Granite" veneer.*
Unknown	S-1, 12	Bluish-gray, fine-gr biotite granite.	Crossville, Tenn.	S-2, 64	Pink, fine-gr compact sandstone, "Crab Orchard Stone".*
Do.	S-1, 13	Greenish-gray, med-gr biotite granite.	Do.	S-2, 65	Do.
Do.	S-1, 14	Bluish-gray, fine-gr biotite granite.	Do.	S-2, 66	Do.
Quincy, Mass.	S-1, 15	Dark-gray, coarse-gr hornblende granite.*	Salisbury, N. C.	S-2, 67	Pale pink, med-gr biotite granite.*
Maine	S-1, 16	Pink, med-gr biotite granite.*	Do.	S-2, 68	Yellowish-pink, med-gr biotite granite.*
Unknown	S-1, 17	Gray, med-gr biotite granite.	Do.	S-2, 69	Pink, coarse-gr "Opaline Granite".*
Do.	S-1, 18	Dark-gray, med-gr biotite granite.	Do.	S-2, 70	Same as S-2, 67.
Do.	S-1, 19	Dark-gray, fine-gr biotite granite.	W. Chelmsford, Mass.	S-2, 71	Lt-gray, med-gr muscovite-biotite granite.*
Do.	S-1, 20	Gray, med-gr biotite granite.	Mt. Airy, N. C.	S-2, 72	Lt-gray, med-gr biotite granite.*
Biella, Italy	S-1, 21	Dark-gray, fine-gr biotite granite.*	Do.	S-2, 73	Do.
Quincy, Mass.	S-1, 22	Dark-gray, coarse-gr hornblende granite.*	Do.	S-2, 74	Do.
Do.	S-1, 23	Gray, med-gr hornblende granite.*	Helsinki, Finland	S-2, 75	Red, black-spotted hornblende granite.*
Do.	S-1, 24	Dark-gray, coarse-gr hornblende granite.*	Concord, N. H.	S-2, 76	Gray, med-gr muscovite-biotite granite.*
Baveno, Italy	S-1, 25	Lt-gray, med-gr biotite granite.*	Do.	S-2, 77	Do.
Quincy, Mass.	S-1, 26	Dark-gray, med-gr hornblende granite.*	Mt. Airy, N. C.	S-2, 78	Same as S-2, 72.
Mergozza, Italy	S-1, 27	Pink, med-gr biotite granite.*	Milford, Mass.	S-2, 79	Pink, coarse-gr biotite granite.*
Unknown	S-1, 28	Brownish-gray, med-gr biotite granite.	Concord, N. H.	S-2, 80	Same as S-2, 76.
Quincy, Mass.	S-1, 29	Dark-gray, coarse-gr hornblende granite.*	Quincy, Mass.	S-2, 81	Dark-gray, coarse-gr hornblende granite.*
Milford, Mass.	S-1, 30	Pink, coarse-gr biotite granite.*	Ashland, Wis.	S-2, 82	Black, med-gr olivine norite.*
W. Chelmsford, Mass.	S-1, 31	Lt-gray, med-gr muscovite-biotite granite.*	Elberon, Ga.	S-2, 83	Bluish-gray, fine-gr biotite granite.*
Do.	S-1, 32	Do.	Bedford, Ind.	S-2, 84	Buff, med-gr oolitic limestone.*
Milford, Mass.	S-1, 33	Same as S-1, 30.	Do.	S-2, 85	Do.
Curwensville, Pa.	S-1, 34	Buff, coarse-gr compact sandstone.*	Ortonville, Minn.	S-2, 86	Pink, med-gr biotite granite, "Cold Springs Agate".*
Glenmont, Ohio	S-1, 35	Buff, coarse-gr porous sandstone.*	Llano, Tex.	S-2, 87	Pink, brown and purple opaline granite.*
Amherst, Ohio	S-1, 36	Gray, med-gr porous sandstone.*	Deer Island, Me.	S-2, 88	Pinkish-gray, coarse-gr biotite granite.*
Do.	S-1, 37	Do.	Deer Island, Me.	S-2, 89	Bluish-gray, fine-gr biotite granite.*
Wyoming Co., Pa.	S-1, 38	Dark-gray, fine-gr compact sandstone.*	Do.	S-2, 90	Same as S-2, 88.
Crossville, Tenn.	S-1, 39	Yellow, fine-gr, compact sandstone "Crab Orchard Stone".*	High Pine, Me.	S-2, 91	Do.

First Water Table

Wyoming Co., Pa.	S-1, 40	Same as S-1, 38.	Derby, Vt.	S-2, 93	Bluish-gray, fine-gr grandiorite.*
Do.	S-1, 41	Do.	North Jay, Me.	S-2, 94	"Crab Orchard Stone", variegated colors, some on bed and some on edge, in 3- to 6-in. thicknesses.*
Do.	S-1, 42	Do.	Mt. Airy, N. C.	S-2, 95 to 99	Gray, coarse-gr cryst limestone.*
Crossville, Tenn.	S-1, 43	Red, fine-gr compact sandstone, "Crab Orchard Stone".*	Mountain Cross, Colo.	S-2, 100	Dark-pink, med-gr porous sandstone.*
Do.	S-1, 44	Gray and brown "Crab Orchard Stone".*	Crossville, Tenn.	S-2, 101 to 124...	Lt-gray, coarse shell stone.*
Do.	S-1, 45	Same as S-1, 43.	Cottonwood, Kans.	S-2, 125	Gray, coarse-gr oolitic limestone.*
Do.	S-1, 46	Do.	Laramie, Wyo.	S-2, 126	Dark-pink, med-gr porous sandstone.*
Do.	S-1, 47	Do.	Cedar Park, Tex.	S-2, 127	Gray travertine.*
Wyoming Co., Pa.	S-1, 48	Same as S-1, 38.	Bedford, Ind.	S-2, 128	Buff, coarse-gr porous sandstone.*
Crossville, Tenn.	S-1, 49	Same as S-1, 43.	New Port Richey, Fla.	S-2, 129	Lt-buff, fine-gr compact limestone.*
Wyoming Co., Pa.	S-1, 50	Same as S-1, 38.	Bedford, Ind.	S-2, 130	Gray, med-gr oolitic limestone.*

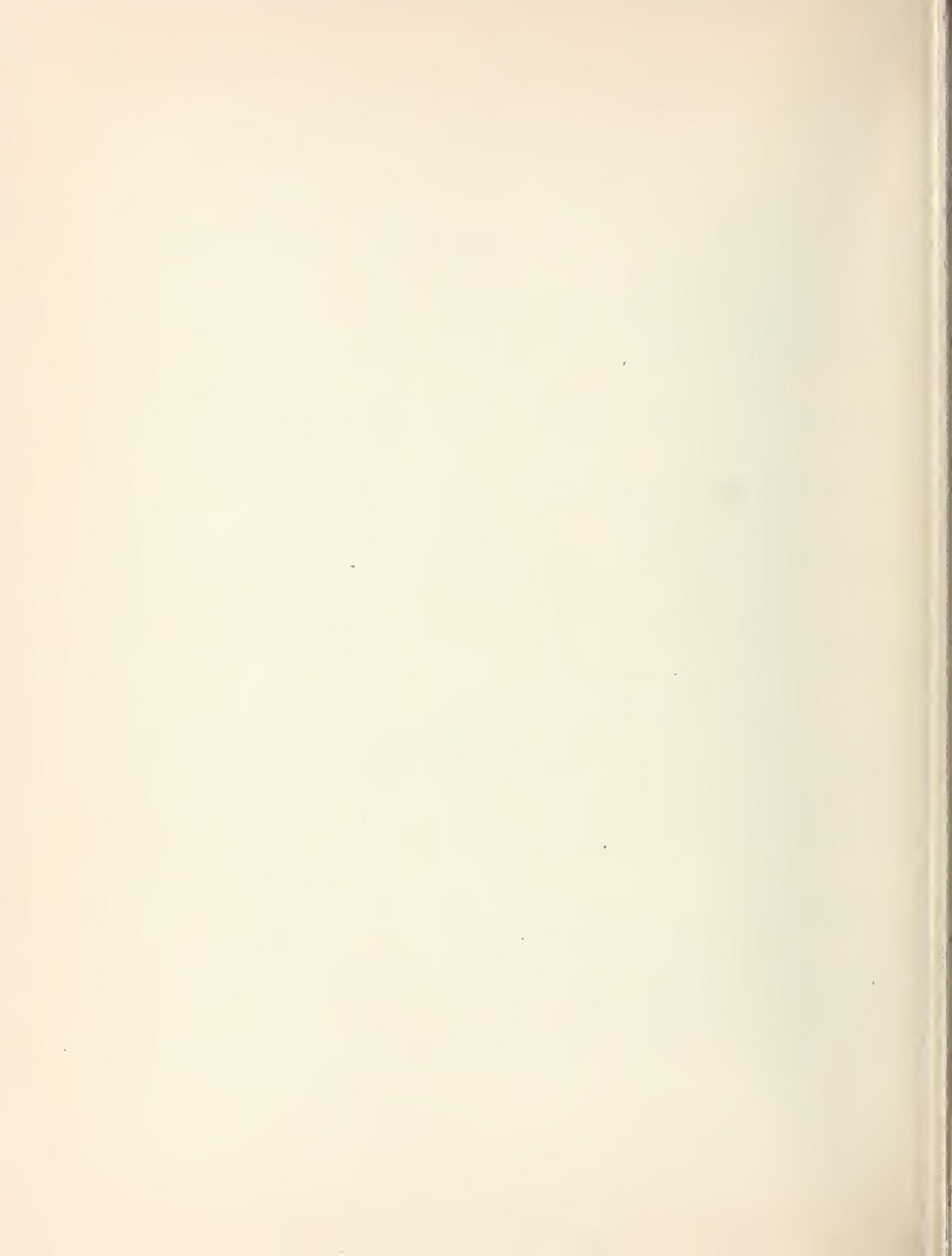
Stones in Section 2 (S-2)

Laramie, Wyo.	S-2, 1	Lt-gray, med-gr porous sandstone.*	Gardner, Mont.	S-2, 133	Gray travertine.*
Cedar Park, Tex.	S-2, 2	Lt-gray, coarse shell-stone.	Do.	S-2, 134	Buff travertine.*
Cedar Park, Tex.	S-2, 3	Same as S-2, 2.			
Bedford, Ind.	S-2, 4	Gray, med-gr oolitic limestone.*			
Carthage, Mo.	S-2, 5	Gray, med-gr cryst limestone.*			
Wilkeson, Wash.	S-2, 6	Lt-blush gray, med-gr compact sandstone.*			
McDermott, Ohio	S-2, 7	Gray, fine-gr porous sandstone.*			
Boise, Idaho	S-2, 8	Buff, coarse-gr porous sandstone.*			

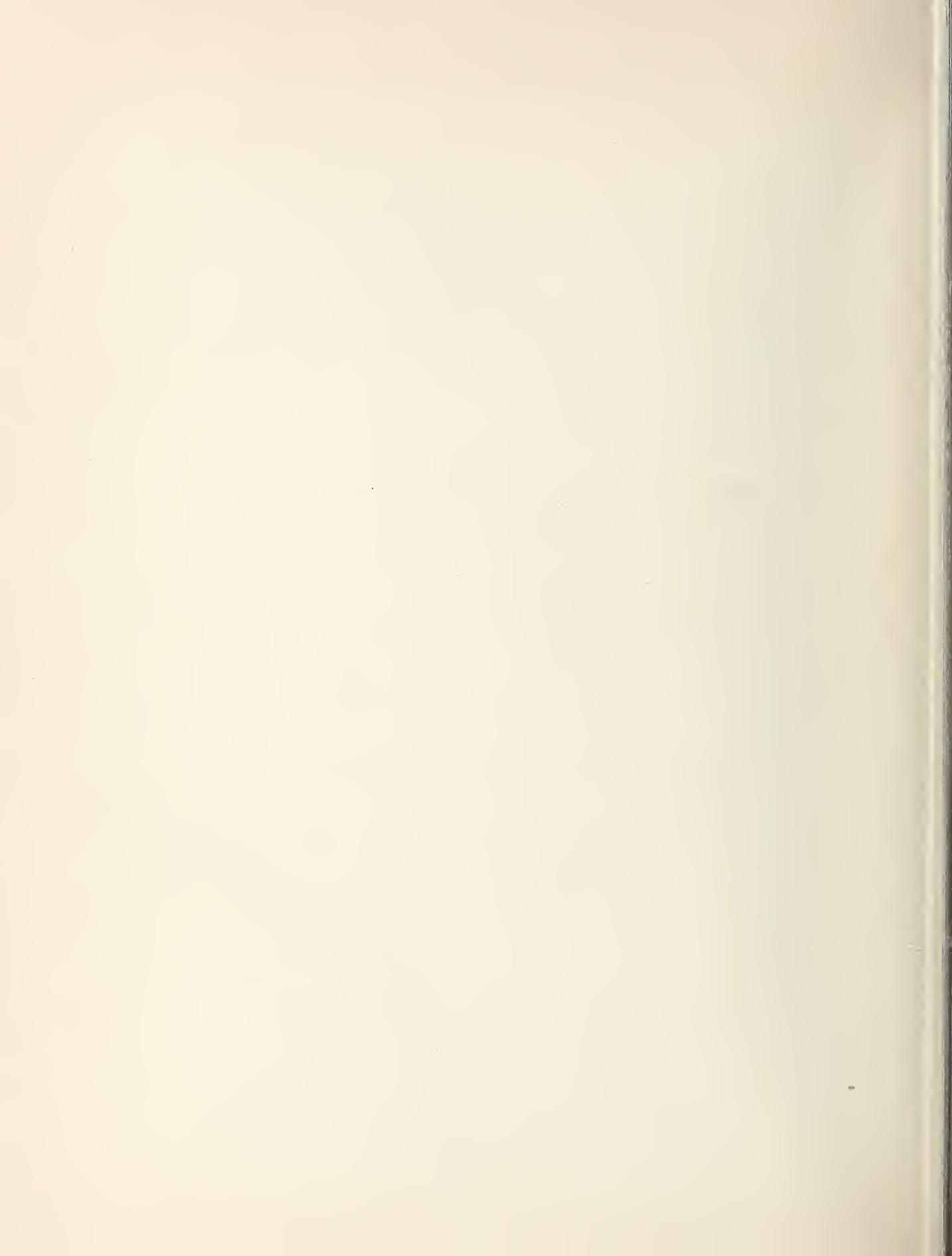
Marbles in second Water table

TABLE 4. Source, classification, and description of stones in back face and ends of wall—Continued

Source	Wall No.	Description	Source	Wall No.	Description
Pittsford, Vt....	S-2, 135 . . .	Gray, med-gr calc marble, "Pittsford Italian".*	Lynchburg, Va....	S-3, 9 . . .	Green, coarse-gr actinolite schist, "Virginia Greenstone".*
W. Rutland, Vt....	S-2, 136 . . .	Lt-buff, med-gr calc marble, "Westland".*	Batesville, Ark....	S-3, 10 . . .	Same as S-3, 7.
Florence, Vt....	S-2, 137 . . .	Bluish-gray, veined, med-gr, calc marble, "Avematto".*	McDermott, Ohio	S-3, 11 . . .	Gray, fine-gr porous sandstone.*
W. Rutland, Vt....	S-2, 138 . . .	White, med-gr calc marble, "Second Statuary".*	Carthage, Mo....	S-3, 12 . . .	Gray, med-gr, cryst limestone, "Ozark Gray Clair".*
Plattsburgh, N. Y....	S-2, 139 . . .	Gray, coarse-gr calc marble, "French Gray".*	Stones in East End (EE)		
Onondaga, N. Y....	S-2, 140 . . .	Dark-gray, coarse-gr calc marble.*	Rockville, Minn....	1EE	Pinkish-gray, coarse-gr. biotite granite*
Carthage, Mo....	S-2, 141 . . .	Gray, med-gr calc marble, "Ozark Tavernelle".*	Glenmont, Ohio....	2EE	Buff, coarse-gr, porous sandstone.*
Columbia, Calif....	S-2, 142 . . .	Gray, med-gr dolomitic marble, "Columbia Dark Vein".*	Curwensville, Pa....	3EE	Buff, coarse-gr compact sandstone.*
Do.....	S-2, 143 . . .	Do.	Morton, Minn....	4EE	Pink, black banded coarse-gr biotite granite.*
Do.....	S-2, 144 . . .	Lt-blue, med-gr dolomitic marble, "Columbia Light Blue".*	Rockwood, Ala....	5EE	Gray, med-gr oolitic limestone.*
Tokeen, Alaska . . .	S-2, 145 . . .	Gray, med-gr calc marble, "Gravina".*	McDermott, Ohio	6EE	Gray, fine-gr porous sandstone.*
Ball Ground, Ga....	S-2, 146 . . .	White, coarse-gr calc marble.*	Do.....	7EE	Buff, fine-gr porous sandstone.*
Tate, Ga....	S-2, 147 . . .	Pink, coarse-gr calc marble, "Etowah".*	Amherst, Ohio....	8EE	Gray, med-gr porous sandstone.*
Do.....	S-2, 148 . . .	Gray, coarse-gr calc marble, "Silver Gray".*	Glenmont, Ohio....	9EE	Gray and buff, coarse-gr porous sandstone, "Briar Hill".*
Do.....	S-2, 149 . . .	Lt-gray, coarse-gr calc marble, "Kennesaw".*	Amherst, Ohio....	10EE	Same as 8EE.
Holly Springs, Ga....	S-2, 150 . . .	Green serpentine, "Holly Springs".*	Glenmont, Ohio....	11EE	Same as 9EE.
Tokeen, Alaska . . .	S-2, 151 . . .	Lt-gray, med-gr calc marble, "Tokeen".*	Bedford, Ind....	12EE	Gray, med-gr oolitic limestone.*
Gantt's Quarry, Ala....	S-2, 152 . . . to 153 . . .	Nearly white, fine-gr calc marble, "Alabama Clouded Cream".*	Bedford, Ind....	13EE	Buff, med-gr oolitic limestone, "Grade A Buff".*
Knoxville, Tenn....	S-2, 154 . . .	Pink, med-gr calc marble, "Meadow Pink".*	Do.....	14EE	Gray, med-gr oolitic limestone.*
Do.....	S-2, 155 . . .	Pink, med-gr calc marble, "Champion Pink".*	Do.....	15EE	Do.
Do.....	S-2, 156 . . .	Gray, med-gr calc marble, "Appalachian Gray".*	Do.....	16EE	Buff, med-gr oolitic limestone, "Grade B Buff".*
Knoxville, Tenn....	S-2, 157 . . .	Gray, med-gr calc marble, "Meadow Gray".*	Do.....	17EE	Buff, med-gr oolitic limestone, "Grade C Buff".*
Do.....	S-2, 158 . . .	Pink, med-gr calc marble "Cumberland Pink".*	Potomac, Md....	19EE	Vari-colored chlorite schist "Stonyhurst".*
Do.....	S-2, 159 . . .	Gray, med-gr calc marble, "Crystal Gray".*	Do.....	20EE	Do.
Do.....	S-2, 160 . . .	Gray, med-gr calc marble, "Silver Gray".*	Portageville, N. Y....	21EE	Bluish-gray, fine-gr compact sandstone "Genesee Valley Bluestone".*
Marble, Colo.	S-2, 161 . . .	White, med-gr calc marble, "Colo. Yule".*	McDermott, Ohio	22EE	Buff, fine-gr porous sandstone.*
Murphy, N. C....	S-2, 162 . . .	Gray, med-gr calc marble, "Regal Gray".*	Boise, Idaho....	23EE	Buff, coarse-gr porous sandstone.*
Cockeysville, Md....	S-2, 163 . . .	White, med-gr dolomitic marble, "Beaver Dam".*	Glenmont, Ohio....	24EE	Buff, coarse-gr porous sandstone.*
Lee, Mass....	S-2, 164 . . .	White, med-gr dolomitic marble, "Lee White".*	Mankato, Minn....	25EE	Buff, fine-gr mg limestone.*
Lee, Mass....	S-2, 165 . . .	Blue, med-gr dolomitic marble, "Lee Dark Blue".*	Batesville, Ark....	26EE	Gray, med-gr cryst limestone.*
W. Stockbridge, Mass....	S-2, 166 . . .	White, med-gr calc marble, "West Stockbridge".*	Nashville, Tenn....	27EE	Lt-buff travertine.*
Gantt's Quarry, Ala....	S-2, 167 . . .	White, fine-gr calc marble, "Ala. Cream".*	McDermott, Ohio	28EE	Gray, fine-gr porous sandstone, "Scioto".*
Marble Hill, Ga....	S-2, 168 . . .	Buff, med-gr dolomitic marble, "Roseopia".*	Bedford, Ind....	29EE	Buff, med-gr oolitic limestone, "Grade A".*
Gouverneur, N. Y....	S-2, 169 . . .	Dark-gray, coarse-gr, mg marble, "Gouverneur No. 2 Dark".*	Stones in West End of Wall		
Stones in Section 3 (S-3)			Cedar Park, Tex....	1WE	Lt-buff, fine-gr porous oolitic limestone, "Cordova Cream".*
Bedford, Ind....	S-3, 1 . . .	Gray, med-gr oolitic limestone "Grade B".*	Cedar Park, Tex....	2WE	Do.
Do.....	S-3, 2 . . .	Gray, med-gr oolitic limestone.*	Curwensville, Pa....	3WE	Buff, coarse-gr compact sandstone.*
Mankato, Minn....	S-3, 3 . . .	Lt-buff, fine-gr magnesian limestone.*	Elwood, Pa....	4WE	Do.
Rockwood, Ala....	S-3, 4 . . .	Gray, med-gr cryst calc "Spring Valley Marble".*	Amherst, Ohio....	5WE	Do.
Bedford, Ind....	S-3, 5 . . .	Buff, med-gr oolitic limestone, "Grade A".*	Hot Springs, S. D....	6WE	Gray, med-gr porous sandstone.*
McDermott, Ohio	S-3, 6 . . .	Gray, fine-gr porous sandstone.*	Cartbage, Mo....	7WE	Lt-pink, med-gr porous sandstone.*
Batesville, Ark....	S-3, 7 . . .	Gray, med-gr cryst limestone, "Batesville".*	McDermott, Ohio	8WE	Gray, med-gr cryst limestone.*
Bedford, Ind....	S-3, 8 . . .	Gray, med-gr oolitic limestone.*	Amherst, Ohio....	9WE	Blue, fine-gr porous sandstone.*
			Do.....	10WE	Gray, med-gr porous sandstone.*
			McDermott, Ohio	11WE	Same as 6WE.
			Do.....	12WE	Blue, fine-gr porous sandstone.*
			Amherst, Ohio....	13WE	Buff, fine-gr porous sandstone.*
			Glenmont, Ohio....	14WE	Buff, med-gr porous sandstone, "Birmingham Buff".*
			Bedford, Ind....	15WE	Buff, coarse-gr porous sandstone "Briar Hill".*
			McDermott, Ohio	16WE	Gray, med-gr oolitic limestone.*
			Do.....	17WE	Blue, fine-gr porous sandstone.*
			Do.....	18WE	Do.
			Bedford, Ind....	19WE	Buff, med-gr oolitic limestone.*
			Do.....	20WE	Do.
			Bedford, Ind....	21WE	Buff, med-gr oolitic limestone.*
			Do.....	22WE	Do.
			Potomac, Md....	23WE	Varicolored chlorite schist "Stonyhurst".*
			Bedford, Ind....	24WE	Gray, med-gr oolitic limestone.*
			Amherst, Ohio....	25WE	Gray, med-gr porous sandstone.*
			Laramie, Wyo....	26WE	Lt-pink, med-gr porous sandstone.*
			New Port Richey, Fla....	27WE	Lt-buff, fine-gr compact limestone.*
			Bedford, Ind....	28WE	Gray, med-gr oolitic limestone.*
			Bloomington, Ind....	29WE	Gray, med-gr oolitic limestone, "Standard Gray".*
			Do.....	30WE	Do.
			Do.....	31WE	Do.
			Batesville, Ark....	32WE	Gray, med-gr cryst limestone.*
			Bedford, Ind....	33WE	Buff, med-gr oolitic limestone.*







BUILDING MATERIALS AND STRUCTURES REPORTS

[Continued from cover page II]

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