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Yenching  
Corres.  
Murphy, Henry Killam  
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July 28th, 1919

Dear sir:-

On July 24th 1919, at a meeting of the Executive Committee of the Trustees of Peking University, it was voted to request your firm to prepare sketches or a "Lay out" I think you call it, of the University. Their understanding is that this will be done by you at your regular rates for doing this missionary work, and that when it is done no obligation rests upon the Trustees with regard to further employment. This letter may be considered a formal request from the Trustees that the firm of Murphy & Dana undertake this work of the preliminary sketches or "lay out" of the University.

Our understanding here is that the university is likely to relocate on a site outside of the west wall which side I think you examined with Dr. Reinsch and others while you were in Peking. We do not understand that the matter has yet been formally decided as we have no information of final action on the part of the Methodist Mission and in addition to this, any action on the part of the Methodist Mission would need confirmation here by the Methodist Board which has not yet acted. So you see, while it is morally certain that the university is to be moved to that site provided Dr. Reinsch and others interested are able to secure it, it would be wise to await formal action before beginning work upon the sketches.

0239

(M & D #2)

July 28th, 1919

I might add that it is the present intention of the Trustees to employ your firm for further work in the erection of the proposed buildings for Peking University, but that just at this time it is deemed inadvisable to commit the university to the employment of architects except as above set forth.

Mr. Smith has left the City for his vacation, and has asked me as counsel for the Trustees to write this letter.

Very truly yours,

Messrs. Murphy & Dana  
331 Madison Avenue  
New York, N. Y.

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(M-187)

MURPHY & DANA

Architects

331 Madison Avenue New York City

July 29, 1919

RE PEKING UNIVERSITY

Mr. Henry A. Ingraham  
177 Montague Street  
Brooklyn, N.Y.

Dear sir:-

We are in receipt of your letter of July 28th, written as council for the Trustees, saying that at a meeting on July 24th of the Executive Committee of the Trustees of Peking University, it was voted to ask Murphy & Dana to take up the architectural work for Peking University; on which Mr. Murphy has been in conference with Dr. Edward Lincoln Smith a number of times in New York, since he talked the matter over with him in a general way in Peking last fall.

We note that it is the present intention of the Trustees to employ our firm later for full professional services in connection with these buildings but that it is deemed inadvisable just at this time to commit the University to the employment of Architects beyond the preparation of a General Plan.

We are in accord with the understanding of the trustees that we are to do this work on the same financial basis as that followed on the other Mission Colleges for which we have been engaged as Architects-- namely that our commissions, instead of being figured at a percentage of the cost of construction, are to be figured at double our actual costs; i.e. our bill at any stage of the

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work may be ascertained by adding to the total costs shown on the books of our accountants up to that time, an equal amount for our profit.

We note that you consider it morally certain that the site for the new University Buildings will be the one outside the West wall of the City, which Mr. Murphy examined last Fall in company with U.S. Minister Reinsch; but that this matter has not yet been formally decided. We agree with you that it would be wisest to await this formal action before we do much work on the sketches for the General Plan. When Mr. Murphy talked this matter over with Mr. Smith a few weeks ago, it was settled that any work which it might be decided to have us do on the Peking University project before the matter of the site was settled, should be principally devoted to re-studying and amplifying the "Program of Requirements". We should be glad, therefore, if you would advise us when Mr. Smith may be expected back from his vacation so that we may confer with him on this Program; or if it is desired that we start work before Mr. Smith's return, we should be glad if you would advise us whether there is someone else now in New York with whom we can confer.

Thanking you for your letter, and for the expression of confidence in the vote of the Trustees to engage our firm for this work, we are

Very truly yours,

(Sgd) Murphy & Lana

(M-203)

MURPHY & DANA  
ARCHITECTS

331 MADISON AVENUE NEW YORK CITY

HENRY KILLAM MURPHY  
RICHARD HENRY DANA, JR.

TELEPHONE—MURRAY HILL—5900  
CABLE ADDRESS—MURDAN

W. L. SOMERVILLE  
H. J. MCGILL  
J. D. FORSYTH

August 6, 1919.

RE PEKING UNIVERSITY.

Dr. Edward Lincoln Smith,  
American Board,  
287 Fourth Avenue,  
New York City.

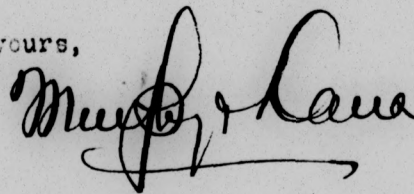
Dear Dr. Smith:-

Your letter of August 4th to Mr. Murphy, written from Bar Harbor, is received, saying that you expect to return to New York about September 3rd.

We note that you do not think there is anyone in New York at present with whom we can consult to advantage about the program for Peking University; we shall, therefore, let this wait until your return.

If his present plans can be carried out, Mr. Murphy expects to leave New York about September 25th, and sail for China on the Empress leaving Vancouver, October 2nd. We hope, therefore, it may be possible to get the Peking University work well along during the first three weeks of September.

Very truly yours,



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**MURPHY & DANA**  
**ARCHITECTS**

UNION BUILDING—SHANGHAI

HENRY KILLAM MURPHY  
RICHARD HENRY DANA, JR.  
HENRY J. MCGILL  
J. DUNCAN FORSYTH  
TALBOT F. HAMLIN

TELEPHONE—CENTRAL 4700  
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TRUSTEES OF  
PEKING UNIVERSITY

NEW YORK OFFICE  
331 MADISON AVENUE  
CABLE ADDRESS—MURDAN  
WESTERN UNION (UNIVERSAL) CODE

A 1349

Peking 24th, December, 1919.

RE PEKING UNIVERSITY.

REVISED PROGRAM OF REQUIREMENTS OF THE  
NEW GROUP OF BUILDINGS FOR PEKING  
UNIVERSITY.

(Based on H.K. Murphy's conferences at  
Peking 10th, to 24th, December, 1919).

GENERAL.

Since Mr Murphy's conferences at Peking in the  
fall of 1918 (see Murphy & Dana's "Reports" dated  
September 28th, October 29th, and October 31st.,)  
the principal developments have been as follows:-

1. Acceptance of Presidency by Dr. J. Leighton  
Stuart, formerly of Nanking University.
2. Acceptance of Vice-Presidency by Rev. H. W.  
Luce, former acting President of Shantung Christian  
University at Tsinan-Fu; with whom will also come, as  
a member of the faculty, Mr. Reginald Wheeler, formerly  
of Hangchow Christian College.
3. Decision to locate the University outside the  
City Walls.
4. Decision (to be ratified) to use an adaptation

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of Chinese Architecture.

5. Decision for complete union of the various participating Missions, so far as the grouping of the buildings is concerned, eliminating the suggested separation of Dormitories, etc., into groups representing each Mission.

6. Decision (by Board of Managers) to combine Union Women's College with the University.

7. Decision not to combine Language School with the University.

8. Definite engagement of Murphy & Dana as Architects for the University.

SCHEDULE.

It is desired to start construction of the first group of buildings not later than the early Spring of 1921, and if possible in the fall of 1920. The financial campaign in America must therefore be started as early in 1920 as possible; for this purpose Murphy & Dana's New York Office is to prepare a large water-color birdseye perspective (similar to their drawings for the Fukien Christian University, Chosen Christian College, Ginling College, etc.,) showing the whole group as ultimately to be completed, and based on a revised general plan which Mr Murphy is to mail from Shanghai, (to catch, if possible, the "Empress" steamer leaving there December 27th.) This should make it possible to have the

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Birdseye Perspective finished by the middle of February, and reproductions from it ready for the financial campaign by March 1st. 1920.

(Note: Murphy & Dana's New York Office is to consult the New York Authorities as to whether to include the Women's College in Birdseye Perspective).

On Mr. Murphy's arrival in New York, (probably about May 1st.) he will start conferences immediately with Vice-President Luce and Mr Wheeler, to put in final shape the ideas Mr Murphy will have brought with him from the Peking conferences. After the small-scale studies of the various buildings have been thoroughly worked over by the authorities in New York, it is expected that authorization will immediately be given to make the working drawings for the first group of buildings, and that the financial campaign will by then (probably June 1920) have proceeded far enough to determine how many buildings will be included in the first group. This should make it possible for Murphy & Dana's New York Office to complete the working drawings during the summer of 1920, send them out to have the final notes put on by Murphy & Dana's Shanghai Office, (where the specifications will also be written) and get Contractors' bids in the late Fall of 1920. With good luck, it might prove possible to start actual work before the Winter sets in; at any rate, contracts should be let before the Chinese New Year (February 1st.) to get the benefit of the lower rates which always prevail before that time. As the College year opens in September, it is desirable to have the opening of the new buildings at that time; if this does

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not prove possible, the University would remove to the new buildings in the Spring, opening the term there at Easter, 1922.

The Buildings to be finished first, if they cannot all be carried along together, will be the Recitation Building, Laboratory Building, Dormitories and Dining Halls, (using the fourth Dormitory temporarily as residential quarters for some of the Faculty) leaving, of the first group, the Chapel, Library Administration Buildings and the remainder of the Faculty Residences to be completed during the Fall and Winter of 1921-22.

SITE.

The exact location of the University has not yet been settled, a number of tracts of land, West of the West Wall of the Tartar City, being under consideration. It is fairly certain, however, that the site will be within one mile of the wall, and somewhere between lines produced Westward from Ping-tze-men Gate and the Camel Gate. It is decided that the site is to comprise at least 100 acres, which is to be in one tract, as nearly rectangular as possible. It is probable that the "Stone Road" running parallel to the City Wall will form the East Boundary of the University Property, and the Peking-Kalgan Railway will not be far away on the West, giving easy access for coal, etc.

An accurate survey of the site finally chosen will have to be sent to Murphy & Dana's New York Office before any working drawings are started; but it is not needed for the Birdseye Perspective, which is mainly for campaign purposes, and does not need to be accurate as to exact contours, etc.,

It is essential to make a final choice of site and

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and secure title early in 1920.

STYLE.

The argument which led to the adoption of a foreign style of Architecture for the old site within the South-East angle of the City Walls-(the necessity for three-storey buildings, to avoid undue congestion in the restricted area)-no longer applies, now that the University is to be in a spacious site outside the walls; and <sup>as</sup> there is a general agreement that it is especially desirable, in Peking, the Capital, to preserve the splendid heritage of Chinese Architecture, it has been decided to have the new Buildings for Peking University in an adaption of the native style, as exemplified in the beautiful buildings within the "Forbidden City".

In order to realise the simple majesty of the style, no attempt is to be made to introduce windows in the base, or in the roof slopes; thus eliminating Basements entirely, and confining attics to storage purposes.

CONSTRUCTION.

Fireproof construction is to be used for all walls, (bearing and nonbearing) and for all floors; above the attice floor-slab, however, the construction is to be of timber, with wood members in the ornamental cornices. Metal frames and sash will be used for all windows, if the cost <sup>is</sup> found to be not very much higher than for the best quality of wood. The roofs will be of Chinese tile, over a waterproofing material; using a colored tile made in Peking if the cost is not too much more than for the common gray tile. The outside walls, between concrete columns, will be brick, probably covered with tinted stucco.

GENERAL PLAN.

As an adaptation of Chinese Architecture is to be used for the individual buildings, it is very desirable that the general plan should also be Chinese in its main characteristics; and it was with this in view that the small-scale preliminary scheme was laid out in Murphy & Dana's New York Office, just before Mr Murphy's departure for China in October 1919. This idea for the general plan, with a series of rectangular court-yards, has now been approved in principle by the University Authorities, both at New York and at Peking.

If it is found possible within the outlines of the property as finally to be acquired, the arrangement of the different elements of the University is to be as indicated in this first General Plan; which, with the additions made at Mr Murphy's conferences in Peking in December 1919, is as follows:-

Main Entrance at East end of main axis through centre of the property.

Formal Avenue of Approach opening into the main Academic Quadrangle.

Secondary Academic Quadrangles adjoining the main Quad. on the North and South.

Dormitory group, continuing on main axis, arranged in small quads, with a Dining Hall and Kitchen for each pair of Dormitories, forming four units of 250 students each. On each side of this Dormitory group space is left for two more units; thus bringing the total from 1000 students up

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up to a possible 2000.

At the centre of the Dormitory group, a Y.M.C.A. or "Students Centre"

On the West side of the property, directly South of the South Dormitory extension, the Athletic Field; with Gymnasium, Field House and Grand Stand.

On the East side of the property, directly North of the North Dormitory extension, the Faculty Residential group; for both Foreign and Chinese Faculty.

Directly North of the main Avenue of Approach, a group, separately walled in, for the School of Education.

Directly South of the main Avenue of Approach, a corresponding space, to be left for some future Department not yet planned, (possibly a Y.M.C.A. Secretarial Training School).

In the North-East corner of the property, separately walled in, the Women's College group, separated from the main Academic groups by a broad Avenue leading from the Highway to the Faculty Residential group.

In the South-East corner of the property an unassigned space to be used for future expansion.

On the East side of the Highway, on the main axis opposite to the Main Entrance, the Auditorium, to seat 3200, including galleries.

Covered Ways, joining all the buildings in a continuous circulation.

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UNIVERSITY DEPARTMENTS:-

(1) COLLEGE OF ARTS:-

Chinese History & Literature.

Chinese & Western Philosophy.

English.

Other Modern Languages.

History

Economics

Political & Social Science

Art & Archaeology

Music.

(2) COLLEGE OF SCIENCE:-

Physics

Chemistry

Biology

Botany

Physiology

Psychology

Geology & Geography

Astronomy

Manual Training & Drawing.

Note... (except in pre-medical work, the University will not stress Science).

(3) SCHOOL OF THEOLOGY: (Post-Graduate).

(4) COLLEGE OF EDUCATION:-

Normal Instruction

Boy's Middle School for Observation and Practise.

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Girls' Middle School for Observation & Practise.

Boys' & Girls' Higher Primary School for observation and Practise.

Boys' & Girls' Lower Primary School for observation and Practise.

Lower & Higher Primary School for experiment and research.

(5) SCHOOL OF JOURNALISM:- (Post-Graduate)

(6) JUNIOR COLLEGE:-

Preparatory Department, covering two years preliminary to entering on the regular four-year College Course.

(7) WOMEN'S COLLEGE:-

A separate Department only in its Dormitory and Religious Life, and in such courses as music and domestic science; all other class rooms and laboratory work being done in Men's College Departments.

NUMBER OF STUDENTS:- At present, the student body numbers about 100 men. Provision is to be made for 350 to 400 men at the opening of the first group of new buildings, and it is planned to have accommodations for 750 men by the end of the first five-year period, the expansion being gradual during that time. No definite limit is set for the ultimate total, but it is President Stuart's feeling that it would not be desirable, even if financially possible, ever to expand beyond a maximum of 2000 men. !

NUMBER OF FACULTY:- At present there are about twenty on the Faculty. It is expected that this number will be increased to about 30 by the time of the opening of the first group

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of new buildings, to about 45 by the end of the first five year period, with 750 students; and that for further increases in numbers, the ratio would be about one to twenty.

FIRST GROUP:-

The Buildings to be built at the start are:-

Chapel

Library

Recitation Building

Laboratory Building

Administration (main) Building, with Auditorium, Lecture Hall, Museum, etc.,

Theology Building (if Special Fund is available)

Dormitory Unit "A", 250 men.

Two Dormitories for 110 Students each.

Dining Hall seating 275, with bedrooms over for thirty Students.

Dormitory Unit "B".

Same as "A" but using 1 Dormitory as temporary Residential Quarters for Faculty.

Athletic Field House

Infirmary

Power House with Workshop

Women's College:-

Dormitories for 300 Students, with Dining Hall in each Building

Chapel to seat 400

Students' Centre, including Gymnasium & Y.M.C.A. (main building)

Building for Administrative Offices.

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Twenty Foreign Residences for the Faculty,  
including Women's College.

CHAPEL.

To be placed on right on entering main Academic Quadrangle, at head of Avenue of Approach. To seat 800 on ground floor with 200 additional in the gallery; to be thoroughly Chinese in the interior as well as the exterior, and to be distinctly religious in its architectural treatment.

LIBRARY.

To be placed on the left on entering main Academic Quadrangle, at head of Avenue of Approach (It has been suggested that this be called the "Bashford Memorial Library").

Ground floor to contain, in one half, General Reading Room, Fiction, Newspapers, Magazines, etc.; and in the other half, Women's Reading Room across the end, and two smaller rooms for special collections, Chinese Books, etc.

Second floor to contain Reference Reading Room, arranged to be fitted later with alcoves of Book shelves, if desired. Opposite stairway, at centre, Librarian's counter, and Office.

Provision for future stack-room extension at rear of the Librarian's Office.

RECITATION BUILDING. (see Sketch).

To be placed on the North side of the Academic Quadrangle, to bring it near the Women's College.

To contain on the ground floor, six class-rooms, seating 18 - 22; Two class-rooms seating 26 - 30; Six class-rooms

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seating 36 - 40; four offices, and a Janitor's room under the stairs.

On the second floor, six class-rooms seating 26 - 30; two class-rooms seating 36 - 40; four offices; two Lecture Halls seating 150 each.

Men's Toilet, with two basins, four urinals, and two water closets (one locked for Faculty).

Women's Toilet, with two basins, and three water closets.

All class-rooms and lecture halls to have tablet-arm seats, Blackboards on all available wall space on four sides; blackboard in back of Teacher's desk to be fitted at top with rack and rollers for charts.

LABORATORY BUILDING. (see sketch).

Note:- Before starting the working drawings for this building in New York, Murphy & Dana are to consult "The University Laboratory Designers" at 52 Vanderbilt Avenue, New York City; consisting of W.A. Boring, Architect, T.B. Freas (Laboratory specialist), A. Smither (Teacher), and W.L. Estabrook (C.C.N.Y); and get them to check up the programs given to Mr Murphy by the Department heads in Peking.

Murphy & Dana's New York Office are also to consult on this work with Mr Gibb, head of the Chemistry Department, who will be in Philadelphia until the summer of 1920; with

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Mr Barbour of Geology Department, who will be at Columbia University until the summer of 1920, and Mr Wilson - Industrial Chemistry Department, who will be in Purdue University.

The building is to be placed on the South side of the Academic Quadrangle.

To accomodate, at the start, Physics and Geology on the ground floor, and Chemistry and Biology on the second floor. Later, when additional laboratory buildings are built, this building is to be devoted to Physics and Geology alone.

The immediate requirements are as follows:-

PHYSICS.

General Laboratory, about 1000 square feet, with continuous sunlight.

Wall spaces free for blackboards, barometers etc., hence few shelves for apparatus.

Sink.

Water, gas, and electricity, to tables.

Electrical Laboratory, about 750 square feet.

Preparation Room, about 150 square feet, between Store room and lecture room if possible; (may be shared with Chemistry)

Store Room & Issue Room, about 400 square feet (between general Laboratory and preparation room).

Balance Room, about 110 square feet, with brackets for twelve balances (on a bearing wall).

Private Laboratory, about 10 x 15.

Office, about 10 x 15.

Workshop, about 15 x 20.

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Two Dark Rooms, each about 6 x 12,  
at least one arranged to admit sunlight through slits for  
experimental purposes; walls black.

Recitation Room, to seat 48; double shades for darkening  
room; can be shared with Geology.

GEOLOGY & GEOGRAPHY:-

Laboratory, for 12 Geology and 12 Mineralogy Students at  
once.

Office, adjacent to Laboratory, to be used as future private  
Laboratory for Physics.

Map Room & Museum, combined, about 1000 square feet.

Departmental Library, (shared with Physics Department).

CHEMISTRY:-

Inorganic Laboratory for 48 men, maximum light on three  
sides.

Six tables (eight men each) 4' 6" x 12' 0"

Five-foot-six aisles and three-foot-six wall aisles.

Fume-hoods across the whole fourth (dark) side of room.

Qualitative Laboratory for twenty four men, maximum light  
(west rather than East)

Table arrangements same as for Inorganic Laboratory, also  
fume-hoods.

Quantitative Laboratory for twenty four men, maximum light  
on at least two sides.

Balance Room between Inorganic Laboratory and Qualitative  
Laboratory.

Private Laboratory adjacent to Inorganic Laboratory, table  
two-foot-six-inches by six feet, with sink and fume hood.

Lecture Room for 150 seats, slightly banked (to be shared  
with other Science Departments).

Preparation Room adjacent to the lecture room.

Recitation Room for forty eight tablet-arm seats.

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Stock & Issue Room - combined with Office (centrally located).

BIOLOGY:-

General Laboratory - 20' x 42', North light (maximum).

Cytology Laboratory- 20' x 42', North light (maximum).

Botany Laboratory - 20' x 30' maximum light.

Private Laboratory - 11' x 20' North Light (maximum)

Office 11' x 20' (north light not needed)

Lecture Room (to be shared with Chemistry & other Departments)

Preparation Room, 11' x 20' adjacent to Lecture Room  
(separate from Chemistry Preparation Room).

Recitation Room for 48 tablet-arm seats.

Departmental Library (shared with Chemistry Department).

ADMINISTRATION BUILDING: (see Sketch)

As this is the main building it is to be placed on the side of the main Academic Quadrangle, at the head of the vista of approach which is the position of greatest dignity from the Chinese as well as the Foreign view-point.

On the ground floor, there are to be corridors in each direction; the transverse corridors being kept broad to emphasize the main axis of the whole group and to be used for memorial tablets, portraits, etc.

(1) The ground floor rooms will be :-

Reception Room for distinguished visitors, about 25' x 25'

President's Office, about 18' x 25', with large light ante-room.

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Vice President's Office - about 15' x 20', with small light ante-room.

Treasurer's Office, about 18' x 25', with large light ante-room.

Chinese Secretaries' Room (printing etc) about 15' x 25'

Foreign Stenographers' Room (supplies, etc) about 10' x 17'

Six Offices for Deans, each about 10 x 17, with small light alcove, and with waiting room between each pair of offices.

Faculty Room about 25 x 45, near Executive Offices, to be used as lounge as well as for Faculty meetings.

Four rooms about 17' x 20' for Students' Literary Societies.

Men's Toilet.

Women's Toilet.

Service Room, with small kitchen for serving tea, etc., and sleeping quarters etc. for the janitors.

(2) On the Second floor:-

Large Auditorium, occupying the entire central portion of the building, and treated in Chinese style of decorated construction; stage 15' x 30' with proscenium arch and drop curtain; dressing rooms; movable seats for about 800; level floor.

Small Auditorium, seating about two hundred, for debates, University lectures, etc.

Oriental Museum, about 1800 sq. feet.

Men's Cloak Room, with lavatory.

Women's Cloak Room, with lavatory.

AUDITORIUM BUILDING: (to be built only if Student-body, outgrows other accommodations).

To be located across the "Stone Road" highway, opposite the main entrance of the University; thus providing an impressive

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architectural feature at the opposite end of the vista from the Administration Building; and at the same time making it possible for the gate keeper, at the main entrance, to supervise the entrance to the Auditorium grounds, which would be closed most of the time.

The Auditorium is to be Chinese style in interior as well as exterior, and to be dignified and impressive. The ground floor should be large enough to seat the whole student body of <sup>2000 men; the 1st gallery the entire student body of</sup> 750 women, and the second gallery 450 guests. The stage should be large enough to seat 200 Faculty and guests at graduation, exercises, etc..

#### THEOLOGY BUILDING.

To be located on the West side of Secondary (North) Academic Quadrangle; and to be built partly with a fund already promised, and which may be available in time to include this building in the first group.

There will be six recitation rooms, of which two will seat from twenty to twenty-four men each, and four will seat from thirty to thirty-six men each; provided with tablet-arm seats.

Study 12' x 18' between each pair of Recitation Rooms.

Departmental Library, about 12' x 18'

Four Piano practise rooms about 10' x 7' (to be used also by men students outside this department)

Studio, about 12' x 18', for instruction in Piano and Singing (to be used by men students outside this Department).

Chapel seating about 200; (large assemblies will be held in Men's College Chapel.

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COLLEGE OF EDUCATION.

Important elements:-

- (a) School Of Education Building.
- (b) Boys' Middle School for observation and practice.
- (c) Girls' Middle School for observation and practice (correspond approximately with U.S.A.High School).
- (d) Boys' & Girls' Higher Primary School for observation and practice.
- (e) Boys' & Girls' Lower Primary School for observation and practice.
- (f) Lower & Higher Primary School for Experiment and research.

A. School of Education Building:

Co-education - Students 250 -300

Class-rooms, six large, 25 students; six small, 15 students, total - 12 rooms.

Lecture Hall, one large, 100 students.

Exhibition Room (text book library, pedagogical museum, etc)  
25' x 40'

Deans offices - two rooms.

(If possible (to save space) school for experiment and research may be provided for in this building.)

B. to E. Schools for observation and practice:

General Requirements:-

Buildings in the Chinese style, one storey if possible (purpose - these schools should serve as models to be imitated in Chinese communities - should contain no expensive features not required by utility).

Each school to have a separate walled court.

Class rooms should be provided with <sup>extra</sup> exit-doors at rear (for observation purposes).



Each school should have its own play-ground, not less than 100 x 100, if practicable. If not, same grounds could be used in common. Athletics for middle school students will be provided on the men's and women's athletic fields.

Accessibility : All schools must be readily accessible from the main road (for day pupils).

B — Boys' Middle School.

Four years course, age 14 to 18.

Boarding Department, 120 students (at first, one for 60) combining regular middle school students and lower normal students in training for lower Primary schools.

4 Students per room.

General class-rooms - 6.

Assembly and Study-Hall.

Manual Training Rooms, 2 (wood-work, 10 benches)

Exercise grounds, not less than 100' x 100'

Room for teacher (or proctor  
Servants' rooms (five persons)

C — Girls' Middle School.

Similar to the boys' school (domestic science in place of manual training).

D — Boys' & Girls' Higher Primary School.

Course three years (ages 10 to 13) pupils 100.  
Boarding Department only for girls - 30 pupils.  
Dining room and kitchen combinable with the girls middle school (?)

General Class Rooms - 5  
Assembly & Study Hall, 100 pupils.  
Manual Training Room for boys.  
Domestic training room for girls  
Play ground for boys and girls, not less than 100 x 100  
Room for one teacher  
Servants' rooms (four persons)

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E. Boys & Girls Lower Primary Schools.

Course four years (age 6 to 10) pupils 100.  
Day School only.  
General Class Rooms - 6.  
Assembly Hall - 100 pupils.  
Manual & Industrial Arts, two rooms.  
Play Ground, not less than 100' x 100'

F. Primary School for Experiment & Research.  
(May be provided for in the School of Education Building)

Course - 7 years (age 8 to 13) boys and girls, total 100  
Day school only.  
Class rooms, seven large 18' x 25', 3 small 15' x 20'  
total 10 class-rooms.  
Entrance at rear of rooms (for observation purposes)  
Assembly Hall (omit this Hall if in the "School of  
Education Building" building).  
Manual & Industrial arts, three rooms.  
Play ground not less than 100' x 100' (can be outside)

DORMITORY UNITS.

Each Dormitory Unit is to house 250 students, of whom about 30 will be in bedrooms on the second floor of the Dining Hall Building.

In each unit all the rooms will be double rooms about 10' x 15'; each student is to have a closet. There will be two general lavatories on each floor, each with three water closets, four urinals, five basins, one tub, and three showers. Each lavatory shall have one wash-tub where students can wash their clothes. There will be, in each Dormitory over Dining Hall, suite for a Bachelor instructor; consisting of a Study, Bedroom and Bath. There will be a Janitor's Room under stairs. Dormitories will have nine-foot ceilings.

The Dining Halls will seat 275 each, (allowing a margin of 25 for visitors, Faculty, etc) seating being arranged in the Chinese fashion, two seats on each of the three sides of the

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tables 3' 6" square, the fourth sides forming aisles for waiters.

The Dining Rooms are to have 17' ceilings.

The Kitchen are to be in a low extension, at the rear of each Dining Hall, and are to be fitted with Chinese ranges, etc. and Chinese laundry-tubs. The second floor will be arranged for sleeping and living quarters for servants (Each unit would require, for 250 students and possibly 25 guests, 3 cooks and 9 waiters.

Y.M.C.A. & Students' Centre.

To be located at the centre of the Mens' Dormitory Group, on the intersection of the main axis and the transverse axis between Athletic Field and Residential Group.

The ground floor will contain, on one side, two Y.M.C.A. rooms, to be thrown together on occasion; two rooms for Clubs; Office; and Toilet.

The second floor will be entirely devoted to a Social Hall about 35' x 60'

INFIRMARY.

To be located in some quiet corner of the grounds near the Dormitories, probably towards the western boundary of the property; to be designed to be built in two sections, the second section to be added when needed for expansion. First section to contain 8 Bedrooms with bath between each pair of rooms; two Bedrooms and a bath for nurses; and suite for resident College Physician, with Bed-room, Study and Bath.

Diet Kitchen.  
Dispensary.

Note:- it is hoped to apply to the construction of this building the Hall Memorial Fund already started; and to call the

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building "The Francis Jenks Hall Memorial Infirmary"

OBSERVATORY.

To be located on the Western Hills (seven miles from the University) to contain Telescope Room, Director's Office, Class Room, Coat Room, and Lavatory. To be heated.

POWER HOUSE & MECHANICAL EQUIPMENT.

Power House to be located, if consistent with economy of piping, in a situation from which the smoke from the chimney will be blown away from the University Buildings by the prevailing North-West winds of the winter.

If the added expense of piping is not found to be too great, the Power House is to be located outside the group of University buildings, so that the 125 foot chimney will not conflict too much with the architectural effect of the Chinese style of the group; and to make possible a spur of railroad delivering coal directly to the bins. It may, however, be found advisable to locate the Power House more centrally, in which case the chimney-height would have to be reduced to about 65' by using forced draught, at a somewhat greater coal consumption. In this case it would also be necessary to install a smoke-consuming device.

The Power House is to be planned large enough to contain ~~the~~ boiler space to provide steam-heat for all the buildings shown on the General Plan, based on an ultimate total of two thousand men and seven hundred and fifty

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women students, ~~and~~ the building being put up in sections as needed by the University expansion. The same principle would apply to the hot water to be supplied to the fixtures in the Dormitory group (including Gymnasium) and to the Residential Group. The Dormitories in the College of Education and in the Women's College, would be supplied by a separate hot water plant. (The academic groups being supplied only with cold water).

The furnishing of electric lighting current to all the buildings in the University would be from the Power House.

The Power House to be planned for possible later equipment with laundry apparatus for the whole University, installing the machines as needed for the University expansion

All the apparatus in the Power House, including Boilers, is to be arranged with a view to ease of examination and study; thus making it a supplemental laboratory for the engineering students. The workshop for maintenance and repair would also be located here.

Every room and corridor in every building is to be supplied with heat (except kitchens) The winter climate in Peking is about the same as in New York; but it is not necessary to figure the amount of radiation as high as in New York, (except in residences) as the Chinese are used to fairly cold rooms.

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Where New York calculations would be based on securing a temperature of 70 degrees in zero weather, 60 degrees would be enough for zero weather in this case.

There will be no mechanical ventilation.

Water is to be supplied from Artesian wells to be driven on the property, and will be pumped by apparatus in the Power House to tanks located in the attics of several buildings. It may be found desirable to have the Residential Group supplied from a separate tank, in the upper part of a Pagoda tower erected in the centre of the group.

Provision is also to be made for saving water from the summer rains, to ensure some soft water.

Sewerage-disposal is to be by means of septic-tanks located according to the grades of the property, and discharging into nitrification beds located on the outside of the property. It is possible that the grades on the property finally chosen may be such as to necessitate lifting the contents of the septic tanks to the purification beds by automatic pumps operated from the Power House.

#### GYMNASIUM.

As outdoor exercise is to be encouraged to the utmost, the exercising floor is to be kept small, about 45' x 60' omitting running track altogether.

Dressing room with 1000 lockers in two tiers.  
Shower room, with twenty fixtures,  
Toilets,  
Wrestling room,  
Boxing room  
Trophy room (to be used for meetings)  
Director's suite (including room for physical examination).

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ATHLETIC FIELD HOUSE.

As this will also have to serve as a gymnasium for a few years, It is to be built at the start with one half left open, (except for structural posts) to serve temporarily as exercising floor for the University students. The other half will be fitted up with dressing rooms, lockers, showers, etc., for athletic teams; and with storage space for athletic equipment hurdles, tennis rackets, etc., Later this arrangement will be extended to include the entire building, thus providing amply for visitng teams as well as for the home teams.

ATHLETIC GROUNDS.

Tennis courts are to be laid out in pairs between the Dormitory Units, providing 16 courts in all; four or or more courts will also be laid out among the houses in the Residential group.

The main athletic field, with a quarter mile running track enclosing baseball and football field, and a 220 yard straightaway, will be located in the South-West corner of the property; with grandstand at the side (opposite the gymnasium) entered direct from the public road.

Space will be reserved for additional baseball and foot-ball fields for future expansion.

WOMEN'S COLLEGE

The total number of students ultimately to be provided for is set at 750 (as the basis for the Birdseye Perspective) corresponding to the two thousand maximum for the men's departments. At the opening of the new First Group of

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buildings, 300 students are to be provided for.

The Dormitories are to be in units of 40 to 50 girls, two in each room, with two units of ten rooms each for the more delicate girls (one unit to be built at the start). There is to be a general lavatory for each unit, with one bath-tub, (with shower over) for every eight girls, one water closet for every six, and one basin for every four.

There will be a suite of Bedroom, Sitting Room and Bath for a Faculty member in each Unit. Each dormitory unit is to contain its own Dining Hall, with seating at Chinese tables 3' 6" square, six girls to each table. (10% to 15% extra seating allowance for guests and Faculty).

The units are to be arranged wherever possible so that two to four Dining Halls may use the same Kitchen.

The main building is to be the Students' Social Centre; containing Y.M.C.A. Rooms, Reception Rooms, Gymnasium (with combined Exercising Room and Social Hall, about 40' x 100'). Physical Director's suite, including Examination Rooms, etc.

The Administration is to be in a Faculty Bldg, containing :-

On the ground floor, two Reception Rooms, 10 x 14, four offices (two of which will have ante-rooms) Chinese Writer's Room, and Toilet.

On the second floor, large Lounge (also for Faculty meetings) Dining Room 14 x 18 (for Faculty members living

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in Dormitories) and Kitchen.

Domestic Science Department is to be in a small building containing:-

Two suites in the native style, three rooms in each, to be used for instruction in housekeeping, cooking, sewing, etc. The rooms are to be in a straight row (12, 15, and 12 feet front, depth 16 feet).

Music and Art Department, is to be in a separate building building containing :-

Twenty Practice Rooms (for piano) each about 7' x 10' with corridor wide enough to provide seats for girls waiting their turn.

Four studies each about 12' x 16' for teaching piano and singing.

Recital Room about 25' x 40' (to be used also for Vocal practice.

Stack Room for keeping sheet music to be sold to the students.

Two Class Rooms, seating about 25 each, with tablet-arm seats.

Office, between two class-rooms.

Art Gallery, about 25 x 40, for classes in drawing and painting, and for exhibiting pictures on the walls; no skylight needed.

*Chosen?*  
Faculty residences are to be in main Residential Group, but as near Women's Compound as possible. There will be at the start two residences especially designed for Women's faculty; (see under "Faculty Residences") with space reserved for two more to be built later.

Infirmary will have four rooms, with bath between each pair

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of rooms; one room for Nurses, with bath; Dispensary, and Physician's Office.

FACULTY RESIDENCES.

All the residences in the Faculty Residential Group will be in Foreign style, and all detached; some will be occupied by Chinese members of the Faculty. No special quarters will be provided in the Residential Group for bachelor members of the Faculty, as they will live in the students' Dormitories as Proctors.

There will be two sizes of residences, with about an equal number of each.

The small residences will contain:-

First Floor

Entrance Vestibule, Stair-Hall and Cloak Closet,  
living Room (with fire-place) about 15' x 20' 21 x 16

Study about 10' x 15' 10 x 14

Dining Room about 15' x 20' 6 x 7

Sitting Porch.

Butler's Pantry.

Kitchen 4 x 7

Outside Quarters for the servants.

Second Floor

Suite of two Bed rooms, each about 12' x 15', and connecting Bath)

Bed Room, about 12' x 15' (#3)

Bed Room, about 9' x 12' (#4)

Bath, opening from the Hall (#2)

Sleeping Porch, (two if possible)

Attic

Space for finishing a future Bed Room

Storage.

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The larger residences will be the same as the smaller, except that Living Room will be about 15' x 30' <sup>by 30'</sup> There will be a fifth bed room about 12' x 15' on the second floor, and unfinished space in the Attic for two future Bedrooms, and a bath, instead of one Bedroom.

The President's House will be the same as the larger residences but located in such a way as to make it readily distinguished.

The special residences for single Women's Faculty Members will contain :-,

First Floor :

Entrance Vestibule, Stair Hall, Coat Closet,  
Living Room , about 15' x 25', with fireplace.  
Four Studies, about 10' x 15'  
Dining Room, about 15' x 20' <sup>12' x 20'</sup>  
Sitting Porch.  
Butler's Pantry  
Kitchen  
Outside quarters for the servants.

Second Floor :

Four Bedrooms, about 12' x 15' (Faculty)  
Two Bed Rooms, about 10' x 15' (Guests)  
Three Baths.

Attic.

Storage.  
Space for finishing two future Bedrooms and a Bath.

*Murphy Dana*

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MURPHY & DANA

M-482.

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December 30, 1919.

RE PEKING UNIVERSITY.

TRUSTEES OF  
PEKING UNIVERSITY

12/31

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Mr. W. R. Wheeler,  
% Dr. North,  
#150 Fifth Avenue,  
New York City.

Dear Sir:-

In accordance with the conference between yourself and Mr. Luce and Mr. Dana recently we have investigated our books to find out the exact costs of the various Birds-eye Views for Oriental Colleges which we have prepared. This list works out as follows:-

Chosen Christian College, Seoul, Korea .....	\$768.00
Fukien Christian Univ. Foochow, China.....	728.40
Ginling College Nanking, China .....	548.60
Wayland Academy Hengchow, China.....	558.80

The bill to you for the Peking University Birds-Eye View was \$680.71.

In explanation of this list we would like to point out that on both Wayland Academy and Ginling College a considerable amount of study had already been done for the various buildings in our Chinese office which does not appear at all on our amount for the Birds-Eye Views. In the case of Chosen the amount was raised by the fact that we made studies of the Birds-Eye View in both Korean and Gothic style. In view of these things we believe that our bill for Peking University bears entirely the right proportion to our bills for Birds-eye Views on

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Mr.W.R.Wheeler

#2

12/30/19

other jobs. We hope that this outline will be satisfactory  
to you.

Please note that we have made no charge for our alterations  
of the Birds-Eye View in order to make it photograph more clearly.

Very truly yours,

*Murphy and Hanna*

Copy to -- M&D Shanghai  
" " -- Mr. Luce.

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