

EDUCATIONAL SPECIFICATIONS

RIVERDALE HIGH SCHOOL

THE PROTESTANT SCHOOL BOARD OF GREATER MONTREAL

EDUCATIONAL SPECIFICATIONS

PROJECT:

Conversion and Extension of
RIVERDALE HIGH SCHOOL
into a
Comprehensive High School

Director of Education
and Secretary-Treasurer.

March 10th, 1967.

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CHAPTER I

GENERAL INFORMATION

1. Number of students anticipated for this composite institution: boys 1400
girls 1400
Grades VII - XI inclusive by 1972 total 2800

2. The plan to be effected is: (Indicate by an (X))

- a) an enlargement X
- b) new building _____
- c) re-modelling X

3. This project will be a school

- a) Secondary: of 1 cycle _____
of 2 cycles X
- b) Institute _____

4. This project will serve the student population

- a) of all the territory of the region _____
- b) of one section of the territory X (see map)

5. This project will be situated in the municipality of Pierrefonds

6. This project:

- a) will be provided with all necessary services x
- b) will use the joint services of the campus _____

Which joint services will this institution make use of?

N/A

7. Approximate number of students to be transported: Not yet determined

8. What will be the general relationship of the projected institution to the existing school system in the territory of the regional school board?

Enlargement and remodelling of the existing accommodation, and the addition of facilities to provide a fully comprehensive (polyvalent) high school.

9. See accompanying map of the school district which uses the approved symbols to indicate the location of existing and future institutions of learning.

10. If required, special observations on choice of site.

The site contains 536,567 square feet of which 62,609 sq. feet are occupied by the existing building. The site is capable of being enlarged by the acquisition of adjoining land, most of which is vacant.

There are four re-locatable classrooms on the present site and it will be necessary to place two to four more prior to September 1967. These will remain there until the first phase, that is, the 18 classrooms are completed.

CHAPTER II

ORGANIZATION OF GROUPS

AREAS NEEDED

TIMETABLE

1. Present total enrolment 1200
2. Anticipated total enrolment 2800 (Grades VII to XI inclusive)
3. Division by groups of anticipated population according to each required and elective subject and establishment of required number of areas:
(Complete the following table indicating in the column:)
 - a) the required or elective subject;
 - b) total anticipated enrolment for this subject;
 - c) enrolment by group;
 - d) number of groups for this subject: $b \div c$
 - e) the number of periods weekly allotted by the programme for the teaching of this subject;
 - f) the total number of weekly periods for the teaching of this subject; $d \times e$
 - g) the total number of weekly periods for an area;
 - h) the number of areas required; $f \div g$
 - i) the use factor of these areas; $\frac{f}{gxh} \times 100$
 - j) the number of periods during which an area would be available for purposes other than those already envisaged; $(gxh) - f$

Note: The above format is from the "Guide" and it is assumed that in 3. the population means "student body of the school"; in (a) the required subjects are "compulsory"; in (g), (h), (i), (j) areas are classrooms and special teaching rooms; and (a) elective is "optional"; in (e) programme is "course of study"; in (i) use factor is the "percentage utilization of the teaching rooms".

DIVISION OF PUPILS ACCORDING TO DIRECTION OF INTEREST

| <u>CYCLE I</u> (First and Second Years) | | <u>CYCLE 2</u> (Third-Fourth-Fifth Years) | | | <u>Total</u> | | |
|--|------|--|--------------|--------------|--------------|-------------|--------------|
| <u>EXPLORATORY</u> | | <u>9(1)</u> | <u>10(1)</u> | <u>11(1)</u> | | <u>9(2)</u> | <u>10(2)</u> |
| | | | 68%* | | | 32% | |
| Make-up (1st yr.) | 35 | | - | | | - | |
| Grade 7 (1st yr.) | 553 | | - | | | - | |
| 8 (2nd yr.) | 553 | | - | | | - | |
| 9 (3rd yr.) | - | | 376 | | | 177 | |
| 10 (4th yr.) | - | | 376 | | | 177 | |
| 11 (5th yr.) | - | | 376 | | | 177 | |
| | | | | | | | |
| | 1141 | | 1128 | | | 531 | |
| | | | | | | | 2800 |

DIVISION OF TIME BASED ON 35 PERIOD WEEK

| <u>Grade or Year</u> | <u>Total Periods</u> | <u>Academic/Cultural</u> <u>Subj.- Phy.Educa.</u> | <u>Tec/Voc. Subj.</u> |
|----------------------|----------------------|--|-----------------------|
| Grade 7 (1st yr.) | 35 periods | 30 periods | 5 periods |
| 8 (2nd yr.) | 35 " | 30 " | 5 " |
| 9(1) (3rd yr.) | | | |
| 10(1) (4th yr.) | 105 " | 95 " | 10 " |
| 11(1) (5th yr.) | | | |
| 9(2) (3rd yr.) | | | |
| 10(2) (4th yr.) | 105 " | 70 " | 35 " |
| 11(2) (5th yr.) | | | |

*It is estimated that in Cycle 2, 68% of the pupils will be in the 9(1), 10(1) and 11(1) category and 32% of the pupils will be in the 9(2), 10(2) and 11(2) category. This estimate is based on several considerations:

1. Socio-economic pattern of the local community.
2. Direction of interests of the pupils
3. Intelligence and abilities of pupils
4. Established trends within the community towards post-secondary education and employment.
5. Comparison with similar communities in Canada and elsewhere.
6. Recommendations from educational personnel both locally and from beyond this region.

CHAPTER II

| SUBJECTS | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | | | |
|-----------------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| MATHEMATICS | | | | | | | | | | | | | |
| (Intro) Gr.7 | 100 | 588 | 30 | 20 | 5 | 100 | | | | | | | |
| " Gr.8 | 100 | 553 | 30 | 19 | 5 | 95 | | | | | | | |
| (General) 9(1) | 100 | 376 | } 30 | 19 | 5 | 95 | | | | | | | |
| 9(2) | 100 | 177 | | | | | | | | | | | |
| (General) 10(2) | 45 | 80 | 30 | 3 | 5 | 15 | | | | | | | |
| " 11(1) | 10 | 38 | } 30 | 3 | 5 | 15 | | | | | | | |
| " 11(2) | 15 | 27 | | | | | | | | | | | |
| ALGEBRA 10(1) | 45 | 169 | } 30 | 12 | 5 | 60 | | | | | | | |
| 10(2) | 15 | 27 | | | | | | | | | | | |
| 11(1) | 40 | 150 | | | | | | | | | | | |
| 11(2) | 10 | 18 | | | | | | | | | | | |
| GEOMETRY 10(1) | 45 | 169 | } 30 | 12 | 5 | 60 | | | | | | | |
| 10(2) | 15 | 27 | | | | | | | | | | | |
| 11(1) | 40 | 150 | | | | | | | | | | | |
| 11(2) | 5 | 9 | | | | | | | | | | | |
| TRIGONOMETRY | | | | | | | | | | | | | |
| 10(1) | 25 | 94 | } 30 | 7 | 5 | 35 | | | | | | | |
| 10(2) | 10 | 18 | | | | | | | | | | | |
| 11(1) | 20 | 75 | | | | | | | | | | | |
| 11(2) | 5 | 9 | | | | | | | | | | | |
| INT.ALG. 11(1) | 15 | 56 | 30 | 2 | 5 | 10 | | | | | | | |
| I.A.T. 11(1) | 10 | 38 | 30 | 2 | 5 | 10 | | | | | | | |

(Int.Alg-Trig)

495 35 15 94% 30

CHAPTER II

| SUBJECTS | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) |
|--------------------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|
| LATIN GR. 8 | 15 | 83 | 30 | 3 | 5 | 15 | | | | |
| 9(1) | 20 | 75 | 30 | 3 | 5 | 15 | | | | |
| 10(1) | 20 | 75 | 30 | 3 | 5 | 15 | | | | |
| 11(1) | 15 | 56 | 30 | 2 | 5 | 10 | | | | |
| | | | | | | 55 | 35 | 2 | 79% | 15 |
| PHY. EDUC. GR. 7 | 100 | 588 | 30 | 20 | 2 | 40 | | | | |
| 8 | 100 | 553 | 30 | 19 | 2 | 38 | | | | |
| 9 | 100 | 553 | 30 | 19 | 2 | 38 | | | | |
| 10 | 100 | 553 | 30 | 19 | 2 | 38 | | | | |
| 11 | 100 | 553 | 30 | 19 | 2 | 38 | | | | |
| | | | | | | 192 | 35 | 6 | 91 | 18 |
| THIRD MODERN LANG. | | | | | | | | | | |
| 9(1) | 15 | 56 | 30 | 2 | 5 | 10 | | | | |
| 10(1) | 10 | 38 | 30 | 2 | 5 | 10 | | | | |
| 11(1) | 5 | 19 | 30 | 1 | 5 | 5 | | | | |
| | | | | | | 25 | 35 | 1 | 71 | 10 |
| NORTH AMER. LIT. | | | | | | | | | | |
| 9(1) | 15 | 56 | } 30 | 3 | 5 | 15 | | | | |
| 9(2) | 10 | 18 | | | | | | | | |
| 10(1) | 15 | 56 | } 30 | 3 | 5 | 15 | | | | |
| 10(2) | 10 | 18 | | | | | | | | |
| 11(1) | 15 | 56 | } 30 | 3 | 5 | 15 | | | | |
| 11(2) | 5 | 9 | | | | | | | | |

CHAPTER II

| SUBJECTS | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | % | | | | | | | | | |
| GEOGRAPHY | | | | | | | | | | |
| GR.8 | 30 | 166 | 30 | 6 | 5 | 30 | | | | |
| 9(1) | 35 | 132 | 30 | 5 | 5 | 25 | | | | |
| 9(2) | 10 | 18 | | | | | | | | |
| 10(1) | 25 | 94 | | | | | | | | |
| 10(2) | 15 | 26 | 30 | 8 | 5 | 40 | | | | |
| 11(1) | 25 | 94 | | | | | | | | |
| 11(2) | 10 | 18 | | | | | | | | |
| | | | | | | 95 | 35 | 3 | 90% | 10 |
| SCIENCE & HEALTH | | | | | | | | | | |
| GR.7 | 100 | 588 | 30 | 20 | 2 | 40 | | | | |
| GEN. SCIENCE | | | | | | | | | | |
| GR.8 | 50 | 277 | 30 | 9 | 5 | 45 | | | | |
| 9(1)78 1/3 | | 294 | 30 | 12 | 5 | 60 | | | | |
| 9(2) | 40 | 71 | | | | | | | | |
| 10(1) | 10 | 38 | | | | | | | | |
| 10(2) | 30 | 53 | 30 | 5 | 5 | 25 | | | | |
| 11(1) | 5 | 19 | | | | | | | | |
| 11(2) | 20 | 35 | | | | | | | | |
| | | | | | | 170 | 35 | 5.5 | 97 | 5 |
| PHYSICS 10(1) | 10 | 38 | 30 | 6 | 5 | 30 | | | | |
| 11(1) | 30 | 113 | | | | | | | | |
| 11(2) | 5 | 9 | | | | | | | | |
| | | | | | | 30 | 35 | 1 | 85% | 5 |

CHAPTER II

| SUBJECTS | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | |
|-----------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| CHEMISTRY | | | | | | | | | | | |
| 10(1) | 53 1/3 | 200 | } | 30 | 13 | 5 | 65 | 35 | 2 | 93 | 5 |
| 10(2) | 15 | 27 | | | | | | | | | |
| 11(1) | 36 2/3 | 138 | | | | | | | | | |
| 11(2) | 5 | 9 | | | | | | | | | |
| BIOLOGY | | | | | | | | | | | |
| 10(1) | 30 | 113 | } | 30 | 10 | 5 | 50 | 35 | 2 | 71 | 20 |
| 10(2) | 10 | 18 | | | | | | | | | |
| 11(1) | 36 2/3 | 138 | | | | | | | | | |
| 11(2) | 5 | 9 | | | | | | | | | |
| ART GR. 7 | | | | | | | | | | | |
| 100 | 588 | 30 | 20 | 1.5 | 30 | | | | | | |
| 8 | 30 | 160 | 30 | 6 | 5 | 30 | | | | | |
| 9(1) | 35 | 132 | } | 30 | 6 | 5 | 30 | | | | |
| 9(2) | 15 | 27 | | | | | | | | | |
| 10(1) | 20 | 75 | } | 30 | 6 | 5 | 30 | | | | |
| 10(2) | 20 | 35 | | | | | | | | | |
| 11(1) | 15 | 56 | | | | | | | | | |
| 11(2) | 10 | 18 | | | | | | | | | |
| | | | | | | 120 | 35 | 4 | 86 | 20 | |

CHAPTER II

TECHNICAL/VOCATIONAL SUBJECTS - Industrial Education

| SUBJECTS | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) |
|---------------------------------|--------|-----|-----|-----|-----|-----|-----|-----|------|-----|
| FINISH CARPENTRY & CONSTRUCTION | | | | | | | | | | |
| VII | 3 | 18 | 20 | 1 | 5 | 5 | | | | |
| VIII | 10 | 55 | 20 | 3 | 5 | 15 | | | | |
| IX-XI(2) | 21 1/3 | 39 | 20 | 2 | 5 | 10 | | | | |
| | | | | | | 30 | 35 | 1 | 85.7 | 5 |
| MOTOR MECHANICS | | | | | | | | | | |
| VIII | 10 | 55 | 20 | 3 | 5 | 15 | | | | |
| IX-XI(1) | 5 1/2 | 20 | 20 | 1 | 5 | 5 | | | | |
| IX-XI(2) | 32 | 57 | 20 | 3 | 5 | 15 | | | | |
| | | | | | | 35 | 35 | 1 | 100 | - |
| MOTIVE POWER & POWER TRANSFER | | | | | | | | | | |
| VII | 10 | 58 | 20 | 3 | 5 | 15 | | | | |
| IX-XI(2) | 23 1/3 | 48 | 20 | 3 | 5 | 15 | | | | |
| | | | | | | 30 | 35 | 1 | 85.7 | 5 |
| GRAPHIC COMMUNICATIONS | | | | | | | | | | |
| VII | 10 | 58 | 20 | 3 | 5 | 15 | | | | |
| IX-XI(2) | 29 | 52 | 20 | 3 | 5 | 15 | | | | |
| | | | | | | 30 | 35 | 1 | 85.7 | 5 |
| TECHNICAL DRAWING | | | | | | | | | | |
| VII | 10 | 58 | 30 | 2 | 5 | 10 | | | | |
| VIII | 10 | 55 | 30 | 2 | 5 | 10 | | | | |
| IX-XI(1) | 25 1/3 | 96 | 30 | 4 | 5 | 20 | | | | |
| IX-XI(2) | 44 1/2 | 79 | 30 | 3 | 5 | 15 | | | | |
| | | | | | | 55 | 35 | 2 | 78.6 | 15 |

OBSERVATIONS ON THE PROGRAMME AND TIMETABLE

From the foregoing table, it will be seen that little re-arrangement of the subject areas appears necessary as the overall utilization factor of the number of rooms specified is in excess of the 85% prescribed by the Department of Education.

It may be possible to reduce from three to two the areas required for Office Practice and Business Machines and Data Processing by making common use of the facilities and space provided.

TABULATION

| Identification of Areas | No. of Areas Required | Area Capacity | Pupil Places |
|--|-----------------------|---------------|--------------|
| CLASSROOMS | | | |
| English | 16 | | |
| French | 14 | | |
| History | 7 | | |
| Social Studies | 3 | | |
| Mathematics | 15 | | |
| Guidance | 1 | | |
| Latin | 2 | | |
| 3rd Language | 1 | | |
| N.A.Literature | 2 | | |
| Apportioned as follows: | | | |
| Classrooms | 43 | 30 | 1290 |
| Language Laboratories | 4 | 30 | 120 |
| Rooms for Exceptional Children (10% x 2800 in groups of 20) | 14 | 20 | 280 |
| SPECIAL ROOMS AND/OR LABORATORIES | | | |
| Geography | 3 | 30 | 90 |
| General Science | 5 | 30 | 150 |
| Physics | 1 | 30 | 30 |
| Chemistry | 2 | 30 | 60 |
| Biology | 2 | 30 | 60 |
| Art | 4 | 30 | 120 |
| Music-Vocal | 2 | 30 | 60 |
| Music-Instrumental | 2 | 30 | 60 |
| GYMNASIA | 6 * | 30 | 180 |
| | (3 double) | | |
| *(Provision of a swimming pool | | | |
| would be a substitute for one | | | |
| double gymnasium) | | | |

| Identification of Areas | Number of Areas Required | Area Capacity | Pupil Places |
|--|--------------------------|---------------|--------------|
| <u>Vocational Areas</u> | | | |
| <u>A. Industrial</u> | | | |
| 1. Electricity | 2 | 20 | 40 |
| 2. Radio and Television | 1 | 20 | 20 |
| 3. Metals-Machining and Testing | 1 | 20 | 20 |
| 4. Metals-Forming and Fabrication | 1 | 20 | 20 |
| 5. Finish Carpentry and Construction | 1 | 20 | 20 |
| 6. Motor Mechanics | 1 | 20 | 20 |
| 7. Graphic Communications | 1 | 20 | 20 |
| 8. Power and Power Transfer | 1 | 20 | 20 |
| 9. Technical Drawing | 2 | 20 | 40 |
| 10. Industrial Chemistry | 1 | 20 | 20 |
| 11. Arts and Crafts | 1 | 20 | 20 |
| <u>B. Commercial</u> | | | |
| 1. Typewriting and Stenography | 2 | 30 | 60 |
| 2. Office Practice and Business Machines | 2 | 20 | 40 |
| 3. Bookkeeping | 1 | 30 | 30 |
| 4. Data Processing | 1 | 20 | 20 |
| 5. Business Fundamentals and Distributive Education | 1 | 20 | 20 |
| <u>C. Services</u> | | | |
| 1. Food Distribution and Service | 3 | 20 | 60 |
| 2. Fashion and Design | 3 | 20 | 60 |
| 3. Interior Decorating and Commercial Art | 1 | 20 | 20 |
| 4. Dental Assistant | 1 | 20 | 20 |
| <u>Miscellaneous</u> | | | |
| Library | 1 | 280 | 140 |
| Auditorium | 1 | 500 | 30 |
| Cafeteria | 1 | - | - |
| Remedial Reading Laboratories | <u>2</u> | 20 | <u>40</u> |
| | 121 | 100% | 3300 |
| Expected Enrolment | 2800 | 85% | 2805 |

CHAPTER III

DESCRIPTION OF AREAS AND REQUIREMENTS

A. TEACHING AREAS

GENERAL REQUIREMENTS
FOR TEACHING STATIONS

Teaching stations should be equipped with chalkboards, tackboards, map rails, shelving and storage space for books, paper and supplies. Also required are a clock, electrical outlets, a telephone or intercom and a television outlet. Blackout and screens are required for use of audio visual equipment.

CLASSROOMS

Most classrooms in the existing building are 700 square feet. Some new classrooms should be larger with individual study carrels and these carrels should be equipped for use of audio visual materials.

Six classrooms are required to be larger than standard and to have not less than 950 square feet for use of larger groups and combined classes.

Fourteen classrooms are to be smaller than standard and to have 600 square feet to accommodate 20 pupils. These are required for exceptional children, remedial and small group teaching, etc.

Some classrooms should have a movable wall to provide suitable areas for large group instruction and team teaching. Some classrooms should be located so as to serve as a lecture room for special rooms such as shops, laboratories, etc.

LANGUAGE LABORATORY

Four language labs are needed. Two standard labs are required with 35 booths. Each lab is to have regular teaching station facilities with blackout, screen and provision for map display. Each lab is to have a sound proof room for recording and preparation of tapes. Storage facilities for tapes are required. These labs must be not less than 980 square feet. Two modified labs to house simpler equipment than the labs previously noted should be provided to accommodate 30 pupils each and to have an area of about 785 square feet. Each of these should have a sound-proof room attached. All areas are to be serviced with underfloor ducts, and electrical outlets. Labs are to be available for the teaching of French and other modern languages.

CHEMISTRY LABORATORIES

Two labs are required, to be 1200 square feet each. This space shall include a lecture area for 30 pupils. Equipment to include: one chalkboard, tackboards to suit available wall space, demonstration table and students tables serviced with gas, electricity, water and exhaust facilities. Perimeter shelving, storage cupboards and display cabinets are required. Exhaust should be supplied in one chemical storage cupboard in each lab.

Preparation and storage area of 300 square feet is required for each lab.

GEOGRAPHY LABORATORIES

Three labs are required for 30 pupils each. Area of each should be 1200 square feet. Regular classroom equipment plus as many tackboards as possible as well as blackout and facilities for audio visual equipment should be provided. Provision should be made for a sand table, and other related teaching materials. Electrical outlets and sink are to be provided.

A storage, project and preparation room is required. This area should be not less than 250 square feet.

PHYSICS LABORATORY

One lab is required for 30 pupils which is to have not less than 1000 square feet. Standard teaching station facilities are to be provided. Equipment is to include: a demonstration table serviced with water, gas and electricity; pupils tables serviced with gas and electricity; perimeter storage cabinets and display cases. Wall space for the attachment of pulleys etc. should be available. Electrical outlets for use of audio visual equipment are needed. Tables are to be sit down height.

A preparation room is necessary and should be 300 square feet in area.

GENERAL SCIENCE
LABORATORIES

A total of five General Science laboratories are required. Two of these labs are required for 30 pupils each and three should be demonstration lab-type classrooms for 30 pupils each. The two labs are to be not less than 1000 square feet each. The demonstration labs are to be 950 square feet each. All labs are to contain standard teaching station facilities. Equipment is to include: a demonstration table serviced with water, gas and electricity; pupils tables serviced with gas and electricity; perimeter storage cabinets and display cases. Wall space for the attachment of pulleys, etc. should be available. Electrical outlets for use of audio visual equipment are needed. Tables are to sit down height.

A preparation room is required which should have 300 square feet, one room may be common to two labs. Equipment in the demonstration labs is to include: a demonstration table with water, gas, electricity, and exhaust; perimeter shelving, cupboards, and counter space to suit the proposed activities.

BIOLOGY LABORATORIES

Two labs not less than 1200 square feet are required, Each to accommodate 30 pupils. Standard teaching station facilities are to be provided. Equipment is to include: a demonstration table serviced with water and electricity; student tables serviced with electricity these to be sit down height, perimeter storage cupboards and shelving, display cases with strong shelves for storage of microscopes, etc. A preparation room is required for each lab which should be 300 square feet in area.

A plant room, adjacent to the lab, equipped with sink and drainage, is required. This room should be about 360 square feet in area.

ART ROOM

Four art rooms of 1200 square feet each are required, to accommodate 30 pupils each. One chalkboard is required and all available wall space should be in tackboard. Regular teaching station facilities are to be provided. Storage facilities for pupils' work, both flat and three dimensional, as well as a suitable display cabinet are needed. A separate room for supplies and equipment is required. Special sink, electrical outlets and spot lights are to be provided. One art room should have a kiln, potters wheel with special storage and drying area for ceramics. Gas and electricity for soldering, welding, etc. are also required.

Location is to have north exposure and if possible some to be located near the shop area. Four preparation rooms are required; each is to be 300 square feet in area.

MUSIC

Four rooms for vocal and instrumental music use are required. These should be located near the stage of the auditorium and remote from study areas.

Two vocal and listening areas of not less than 1200 square feet are required. Standard teaching station facilities together with storage space for music records and tapes are needed. A hi-fi unit with special listening area acoustically treated is required. Electrical outlets are required for tape recorders and audio visual equipment.

Two areas are needed for instrumental music, one for winds and one for strings, each to be not less than 1200 square feet. In addition storage facilities for musical instruments, music, uniforms, stands, etc. should be provided; these may be in a common area.

Suitable chalkboards, tackboards, electrical outlets and blackout are to be provided. Individual practice areas are needed.

All music areas are to be suitably treated for sound proofing and acoustics.

GYMNASIUM

Three double gyms having a minimum area of 8300 square feet each are required. Each double gym is to be divided by a folding door. Facilities for basketball, volleyball, climbing ropes, still rings and flying rings are required. Each gym area to have an instructor's office and an equipment storage area.

Shower facilities in the teacher's offices are required. Shower and locker rooms for all gyms together with dressing or team rooms are required. Team storage rooms are necessary for off-season storage of uniforms and equipment. Toilet facilities for boys and girls are needed. Spectator space which can also be utilized for some gym activity is desirable. Swimming pool may be substituted for one double gym.

ELECTRICAL SHOPS

Two electrical shops are required. They should be adjacent to one another to facilitate common use of some equipment and have a common office and preparation room. Shop #1 is to be equipped for the more practical programme, electrical appliance repair and testing and house wiring while the other would be equipped for a more theoretical programme, motors and controls and related technology. These shops should have as a minimum the following areas:

Shop Number 1

| | | | |
|-----------------------------|-------------|--------|------|
| Construction booths | 300 | square | feet |
| Bench space | 1200 | " | " |
| * Storage space | 200 | " | " |
| * Office & Preparation room | 100 | " | " |
| | <u>1800</u> | " | " |

Shop Number 2

| | | | |
|------------------------|-------------|--------|------|
| Bench space | 1200 | Square | feet |
| Machine & Panels | 500 | " | " |
| * Storage | 200 | " | " |
| * Office & preparation | 100 | " | " |
| | <u>2000</u> | " | " |

* Storage, and office and preparation space might be combined.

RADIO AND TELEVISION SHOP

This shop should be 2000 square feet in area to accommodate a class of 20 pupils. It should provide for teaching the basic electrical theory required for an understanding of electronics in addition to providing for communications and industrial electronics.

One instructor's office is required. One fully shielded screen room for testing is required as well as adequate storage space for precision testing equipment.

This shop should have the following areas:

| | | | |
|------------------------|------|--------|------|
| Workshop | 1500 | square | feet |
| Screened Room | 100 | " | " |
| Storage | 300 | " | " |
| Office and Preparation | 100 | " | " |

METALS - MACHINING AND TESTING SHOP

This shop should accommodate a class of 20 pupils and be equipped with lathes, milling machines, shaper, etc. There should be provision for a number of basic testing machines, universal tester, hardness tester, magna flux tester, as well as for heat treatment of metals. This necessitates a precision instrument area and tempering area.

One instructor's office is required. Also the following areas are required:

| | |
|------------------------|--------------|
| Shop Area | 1600 sq. ft. |
| Tempering Room | 250 sq. ft. |
| Testing Room | 600 sq. ft. |
| Storage | 250 sq. ft. |
| Office and Preparation | 100 sq. ft. |

METALS - FORMING AND FABRICATION SHOP

This shop should provide for the following activities: sheet, plate, and bar metal work; oxy-acetylene welding and cutting, arc welding, spot welding; forging and electro-plating. Equipment would include a wide range of medium-small size sheet metal work equipment, various cutting and bending machines, band saw, forge, electro-plating equipment and painting equipment. There would need to be special provision for ventilation. The room should accommodate 20 students.

One instructor's office is required. Also the following areas are required:

| | |
|------------------------|--------------|
| Workshop | 1350 sq. ft. |
| Finishing Room | 150 sq. ft. |
| Welding Storage | 100 sq. ft. |
| Storage | 200 sq. ft. |
| Office and Preparation | 100 sq. ft. |

FINISH CARPENTRY AND
CONSTRUCTION SHOP

This shop should accommodate 20 students. It should include basic woodworking hand and power tools for the exploratory course of Grade VII and VIII, and rough carpentry work for pupils in the occupational programme. It should also provide a small area for construction work, a painting and finishing area and lumber and project storage areas. Ceiling height of 14' is desirable. There should be access to the outside. Forced ventilation is required for this room as well as provision for dust control at all machines and provision of a vacuum table for sanding operation.

The following areas are required:-

| | |
|------------------------|--------------|
| Workbench Area | 1000 sq. ft. |
| Construction Area | 1000 sq. ft. |
| Machine Area | 400 sq. ft. |
| Painting | 250 sq. ft. |
| Storage | 300 sq. ft. |
| Office and Preparation | 100 sq. ft. |

MOTOR MECHANICS SHOP

The motor mechanics shop should accommodate a class of 20 students. Instruction is to be provided in the various aspects of automotive work, motors, electrical, brakes, transmissions, etc. and general servicing. Minor body work and painting facilities are needed. Special ventilation will be needed for removing fumes as well as space to accommodate several cars in general servicing. One hydraulic hoist is required and one overhead crane. An instructor's office is required. Two or more overhead doors to the outside are required. Ceiling height to be 14'-0".

The following areas are needed:-

| | |
|------------------------|--------------|
| Floor Space | 2000 sq. ft. |
| Hoist | 250 sq. ft. |
| Paint Room | 300 sq. ft. |
| Storage | 250 sq. ft. |
| Office and Preparation | 100 sq. ft. |

MOTIVE POWER AND POWER
TRANSFER SHOP

This shop should accommodate 20 students. The programme would include facilities for exploratory work in small motors and applied mechanics as well as facilities for a study of fluid power as an option for vocational and pre-technical programme students. This shop with suitable equipment, might also be adapted for an oil burner service course.

This shop should be as close as possible to the motor mechanics area. A room with special ventilation for testing small motors is required.

An instructor's office is required. Areas required are as follows:-

| | |
|------------------------|--------------|
| Shop Area | 1500 sq. ft. |
| Storage | 200 sq. ft. |
| Testing Room | 250 sq. ft. |
| Office and Preparation | 100 sq. ft. |

GRAPHIC COMMUNICATIONS
SHOP

The graphic communications area is to accommodate a class of 20. It should be equipped to provide an overview of the whole graphic communication area including technical drawing and blue-printing, offset lithography with related photo mechanical work with letter press and silk screen work. A dark room and plate room is required. Pupils would be prepared for jobs in internal communications in business and industry as well as being directed toward apprenticeship in the printing industry.

Areas required are:-

| | |
|------------------------|--------------|
| Floor Space | 1400 sq. ft. |
| Dark Room | 350 sq. ft. |
| Storage | 200 sq. ft. |
| Office and Preparation | 100 sq. ft. |

TECHNICAL DRAWING ROOM

Two technical drawing rooms to accommodate 30 students each are required. Regular teaching station facilities with as many tackboards as possible are required. Sinks are needed. There should be storage facilities for equipment and instruments, students work, models and paper.

These rooms are to be 1200 square feet each. Office space is required which may also be used as a print room; it should be 250 square feet.

ARTS AND CRAFTS WORK SHOP

One shop to accommodate 20 students is required. This shop will be used for the exploratory programme in Grades 7 and 8 and could also be used by students taking Art. It should be equipped for a variety of crafts including ceramics and lapidary work.

One instructor's office is required. The following areas are needed:-

| | |
|------------------------|--------------|
| Work Space | 1200 sq. ft. |
| Storage | 350 sq. ft. |
| Ceramics Area | 200 sq. ft. |
| Finishing Room | 150 sq. ft. |
| Office and Preparation | 100 sq. ft. |

INDUSTRIAL CHEMISTRY LABORATORY

This lab should be oriented toward industrial chemistry to include facilities for teaching general chemistry, organic chemistry, bio-chemistry with emphasis on teaching analytical procedures. Fume cabinets should be provided in this lab. Preparation and storage area of 250 square feet is required.

TYPEWRITING ROOM

Two rooms are needed, each for 30 pupils. Typical teaching station facilities plus a sink, and storage cupboards for supplies, and counter space should be supplied. Electrical outlets and under floor ducts are needed for electric typewriters. Connecting door and viewing windows to other commercial rooms are required. Each room to be about 900 square feet. There should be a folding door between these rooms so that both classes may be taught at once when desirable.

OFFICE PRACTICE AND
BUSINESS MACHINES ROOM

Two rooms adjacent to the typing room and bookkeeping rooms are required. Connecting doors and viewing windows between rooms are required. Storage space is required for paper and business forms. Electrical outlets including underfloor ducts for business machines, duplicators, etc. should be provided. Each room should have a small chalkboard and some tackboard space. Room dividers to simulate various office arrangements should be provided. These rooms are to be classroom size, about 785 square feet.

BOOKKEEPING AND
ACCOUNTING ROOM

One room of classroom size (785 square feet) is required. Standard classroom equipment is needed plus storage space for paper etc. A connecting door and viewing window to the office practice room is required. Additional chalkboard area is needed.

Electrical outlets and underfloor ducts should be provided.

DATA PROCESSING
LABORATORY

One room is required with regular classroom teaching facilities for 20 pupils. The room should be 1000 square feet and equipped with electrical outlets and floor ducts supplying adequate power to accommodate the machines needed for the course. The objectives of the course are:

1. to develop communicative and computational skills.
2. to teach the principles involved in processing of data.
3. to develop a competency in machine operation.
4. to develop a basic competence in the applications of systems and elementary programming with electro-mechanical equipment.
5. to develop saleable skills to facilitate entry into business and industry as card-tape convertor operators, coding clerks, data typists, high speed printer operators, tapes librarians and systems analysts in office procedures, accounting and data processing procedures.

The room should have adequate storage space for paper, forms, cards, etc.

DISTRIBUTIVE EDUCATION

One room with a capacity for 20 pupils is required. This room should accommodate modular units which can be arranged to simulate various office and retail establishments. Provision is necessary for window display training, together with facilities for "in store" displays. Window display facilities could be in the corridor area adjacent to the merchandising room.

Storage space is required for materials. Electrical outlets for lighting business machines etc. are required. A check-out counter and cash register are necessary. An area of 1100 square feet is required.

**FOOD AND MANAGEMENT
ROOM**

**(FOOD DISTRIBUTION
AND SERVICE)**

Two combination foods, management and laundry rooms are needed, and each should be 1800 square feet. Both rooms should have 4 kitchen bays, a dining-living room area and a laundry unit with a rotary ironer and an automatic washer and dryer. There should also be a bathroom where cleaning procedures and sanitation will be taught.

The kitchen area should be equipped with two or more portable dishwashers, a refrigerator and a freezer. A lecture area should be provided for the students with a demonstration desk with overhead mirror for the teacher. Adequate chalkboard and tackboard is essential, as well as a "built in" magazine and periodicals rack.

There should be a cupboard with a rod where students may hang their uniforms during the week. Each room should have a food storage cupboard which can be locked. Storage space is needed for large movable equipment, total storage space to be 300 square feet.

The room could be used to advantage in several occupational courses in the vocational programme.

CAFETERIA TEACHING
KITCHEN

The cafeteria teaching kitchen should accommodate 20 students and be 1800 square feet. It should have the most modern equipment for quantity food service, and much of this equipment should be on wheels so that it may be used in various areas. The teaching kitchen should adjoin the main cafeteria kitchen, thus the students may be trained in the bakery, at the cold counter and in the vegetable and meat preparation areas.

There should be adequate space for food storage. Lockers and changing rooms with washroom facilities are needed for both boys and girls.

The teaching kitchen should be able to serve the teachers' dining room, the cafeteria and the snack bar.

Adequate lecture space with a teacher's demonstration desk is needed. The demonstration desk should have a work area, a sink, a built in cooking area and plugs for electric equipment. A suitable exhaust system is necessary. An overhead mirror and a wall oven behind the demonstration desk is needed. A movable chalkboard and tackboard should be provided. The teachers' dining room could be used for the lecture space if the demonstration area was separated by a folding wall when not in use.

The teacher's office should be easily accessible to both the cafeteria kitchen and the teaching-kitchen.

FASHION AND DESIGN
LABORATORY

Three rooms, each able to accommodate 20 students are required. Each room should be 1100 square feet in area and should contain ample cutting space and good storage space for students work, finished garments, sewing supplies, large charts and equipment such as irons, ironing boards and dress forms. Two fitting rooms with full length mirrors on three sides are needed in each lab as well as at least 16 regular sewing machines and several commercial machines. Electric outlets in the floor and walls are most important - 20 to 24 outlets per lab are needed.

Each room should have a sink, adequate chalk and tack boards and a display case for textile materials.

INTERIOR DECORATING &
COMMERCIAL ART
LABORATORY

This laboratory should be large, well lighted preferably with a northern exposure, and able to serve several purposes. If possible it should be adjacent to the fashion and design lab. It should be equipped to teach design related to clothing, interior decorating or commercial art, thus it should be provided with drawing boards, easels and large tables.

It should have spacious cupboards for storage of materials, charts, drawings, patterns and projects.

There should be 2 sinks, a chalkboard, and as much tackboard space as possible. Display areas facing into the room could be used for many purposes - display of fabrics, textures, draping qualities, colour combinations, room interiors, etc. A storage cupboard for students aprons or smocks, and an area for the teacher's office is needed. It should have an adequate number of electrical outlets, both in the floor and walls, and should also have several sewing machines. Spot lights should be provided. This lab should have not less than 1200 square feet.

DENTAL ASSISTANT
LABORATORY

This room should be 1300 square feet and capable of accommodating 20 students. It should have four separate rooms divided by partitions within the main room. The remainder should have two main areas: one for laboratory procedures and the other for chairside assisting.

The laboratory procedures area should have 20 individual work stations with lock-up cupboards for lab instrument kits, swing out stools and sinks with hot and cold water.

A counter should be around the perimeter of the room.

The chairside assisting area will contain teacher's desk and file, a lecture area, a dental area containing dental unit, dental chair and portable cabinets, a counter with work-space and outlets for electricity, gas and air, as well as storage space of equipment underneath. Storage space is needed for operating stools, carts and aspirator.

The four small separate rooms will be:-

1. a sterilizing room with an autoclave and dry-heat sterilizer.
2. a lead lined X-ray room containing a fully grounded X-ray machine, a dental chair, a wall mounted operating light, a sink and a counter.
3. a dark room with work counter, drying racks for films and separate wash up sinks.
4. storage room.

Much of the equipment requires heavy wiring, special installation, compressed air, plumbing, counters strong enough to carry heavy equipment and ground wires.

ASSEMBLY HALL

Should be a theatre type room designed to seat 500 students, to be used for dramatic presentation, concerts, school assemblies, etc.; it may also be used for team teaching or large group instruction.

It should have an adequately designed stage, dressing rooms, storage space, film projection facilities, and washrooms.

CAFETERIA

An eating area is needed for 2400 students. The design of this area should be such that those using the dining facilities will be separated from those having light lunches or those using the snack bar. Both the dining room and the lunch room should be able to be divided into smaller areas for team teaching or large group instruction. The lunch room could be tiered to give better lecture room facilities. Both the dining room and the lunch room should have easy access to the teaching kitchen so that these facilities may be used in the teaching programme.

Washroom facilities for both girls and boys should be near this area.

LIBRARY (INSTRUCTIONAL
MATERIALS CENTRE)

The concept that the library should be an Instructional Materials Centre, providing a place for all learning materials, printed and non-printed, that will be useful to teachers and students, is recommended. Besides books and periodicals, it should contain many kinds of audio-visual materials suitably catalogued. Facilities must also be provided for the use of these materials by students as well as teachers.

The location of the library should be such that it is conveniently accessible from all parts of the building and away from noisy areas.

The library should serve as a learning laboratory supporting every area of curricular and extra-curricular activity in the school. It should operate as a service agency to further the school's objectives, to augment all subjects, and to assist the teachers and students. It should serve as a centre for the accumulation of educational materials and reference data, organizing printed and non-printed materials including audio-visual, and for the use of all personnel. It must act as an experience centre, where reading is stimulated, and guided opportunities for tapes and records, filmstrips and slides, listening and viewing, are encouraged.

To carry out this programme, space must be provided for both the areas of library and the audio-visual material, with office spaces for librarians, audio-visual co-ordinator and clerical staff. While it is felt that a degree of physical separation between the library area proper and the audio-visual area is necessary, the concept of an instructional material centre demands that the use of the two be as closely related as possible.

The library should be designed to seat 280 students. It should also include a large student workroom for project research, separate from the main reading room. There should be several individual booths or carrels equipped for viewing of audio-visual material. These carrels should be located so as not to interfere with or be interrupted by the main

LIBRARY (INSTRUCTIONAL
MATERIALS CENTRE)
CONT'D

reading and browsing space of the library. Provision should be made for the storage of this audio-visual material.

Space is to be provided for book shelves, distribution desk, card catalogues and display areas.

It has been proposed that all teaching areas be equipped to use a wide range of audio-visual materials (see General Requirements for Teaching Stations). Greater emphasis will also be placed on the effective use of audio-visual equipment on large team teaching areas, such as the assembly hall, cafeteria, the gymnasium, the library, etc. It is therefore proposed to have a centre on each floor for storage and distribution of audio-visual equipment. In addition, a central storage room adjacent to the Instructional Materials Centre, equipped for maintenance and minor repair of equipment, and preparation of teaching materials by teaching staff and an audio-visual coordinator.

B. AREAS RELATED TO EDUCATIONAL FUNCTIONS (ADMINISTRATION)

1. Offices for the principal and four vice-principals are required. In this general area there must be a large general office for secretarial personnel, a time tabling room, an office supply room, a printing room, a general waiting area and a visitors' office. This general area should be approximately 3000 square feet.
2. Fifteen offices for Heads of Department are required. These rooms should be located near the rooms where the subjects concerned are taught. Each office should be 100 square feet.
3. Staff rooms sufficiently large enough for 165 teachers are required. In addition there must be adequate locker and wash-room facilities.
4. The psycho-scolastic (Guidance) suite should consist of offices for ten counsellors, a waiting room, secretarial and general offices, a testing room and space for supplies. The suite should be 1000 square feet in area and should be located near the administration area.
5. The Medical suite should consist of two offices for nurses and doctor, an examination room, adequate washroom facilities, waiting area, and rest room areas. This suite should be 800 square feet in area and be located near the administration area.
6. Religious Instruction - A chapel with all facilities should be provided together with necessary office space.

C. GENERAL SERVICES

1. The cafeteria, referred to previously, should be located on the ground floor for purposes of deliveries and garbage disposal. A good storage space, garbage room and washrooms are needed.
2. Pupils' washrooms should be conveniently located on each floor including some near the shop areas for night use of school etc.
3. Staff washrooms and coat rooms should be located near or as part of the various administration areas. Other units for staff use are to be located in various parts of the building.
4. The gymnasias must have sufficient rooms for storage of equipment, apparatus, chairs, and roll-away folding bleachers. Under or adjacent to the gym should be located shower-locker rooms, washrooms, rooms for equipment, team rooms and a laundry.
5. Washrooms, lockers, showers and work areas must be provided for the caretaking staff.
6. Storage space in various locations of the school will be required for book storage and repair, furniture storage and repair, a receiving room for deliveries, a large general storage area for the shops and caretaking supplies, clean-up rooms and a ground equipment room. Provision should be made for coat spaces near the assembly hall and gyms. Pupils' coat spaces and book storage will be provided by means of corridor lockers on all floors. Locker space is to be provided for adult education, night classes, etc.
7. Social Areas - should be provided for activities such as student council, student publications, clubs and other extra curricular activities. Recreation areas for ping-pong tables, etc. are needed.
8. Adequate stairs, exits, corridors and foyers to permit proper circulation must be provided.
9. Enough space must be provided for necessary heating, ventilation, plumbing, gas and electrical requirements. Consideration must be given for future expansion.

INTEGRATION OF THE PRESENT BUILDING WITH THE PROPOSED EXTENSIONS AND ALTERATIONS TO MAKE THE SCHOOL INTO A FULLY COMPREHENSIVE HIGH SCHOOL.

The existing building consists of 61 teaching rooms made up of 31 classrooms, 3 small classrooms and 27 special rooms. The regular classrooms are 700 square feet each. Extensions will be required in several directions on the existing building in addition to many changes, alterations, relocation of rooms, converting existing rooms to other uses, etc. Major changes and relocations will be required in such areas as the library, cafeteria, administration, staff rooms, shops, labs., etc. Several classrooms will need to be converted to other purposes.

The immediate proposed extension is the first phase of this project. The eighteen room block is suggested for location at the north east end of the central block and this would take care of Cycle I pupils in the overall plan. Even this extension would be open ended for further increase of standard or special rooms.

The eighteen room block is now considered to consist of four standard classrooms, one large sized classroom and one small sized classroom plus washroom and storage facilities on each floor.

On each floor there would be a movable wall between the large classroom and the adjoining standard classroom. Also between the remaining standard classrooms there would be demountable type partition walls. These provisions would then take care of standard classes, small classes, larger or double classes, special studies of non-technical nature, as well as the important small group study areas, in carrels wet and/or dry - one to six pupils.

As the required classrooms of varied sizes total 57 and 18 are for the first phase and with approximately 25 of the existing to remain intact, about 14 additional classrooms of varied sizes will be needed for the second phase of the project.

It seems that the major extension of the second phase will take place at the south east of the existing building. The library and instructional material centre administration and cafeteria will be located near the centre of the school. Cycle I will be at the north east, Cycle II at the south west with common facilities generally between the two.

Municipal co-operation with the Local Board on matters pertaining to joint use of land and facilities is to be encouraged and developed.

CHAPTER IV

EXTERIOR ARRANGEMENTS

1. Please refer to the plot plan of the site, which shows the location of the existing building, playfields, grass areas and paved areas, as well as the approaches to the school.
2. The area and location of the proposed extension to the site is also shown on this plan.
3. Parking areas and playfields should be increased within the limits of the property available.
4. Playing fields should be so planned that they are easily accessible from the locker rooms and so arranged that student traffic between them and from the street intersections does not interfere with the games being played.

The combined interscholastic, intramural, recreational and instructional programme requires the following outdoor facilities: - combined football-soccer fields, intramural soccer fields, field hockey fields for girls, archery field, - (to be located away from other activity areas so that stray arrows will not prove hazardous), 1 multiple-use all-weather surface area (85' x 500') (This area will be suitable for tennis, basketball, volleyball, roller skating, dances, games of low organization. It could be converted into two outdoor rinks during the winter, one for hockey and one for pleasure skating.) Softball areas may be planned to overlap football, soccer and field hockey fields with all backstops set back from field boundary lines and hazardous goal posts.

Jumping pits are required for the track and field programme and these must be located adjacent to playing fields and outside all boundary lines.

5. Suitable storage space should be provided for outside equipment.

RESOLUTION OF THE BOARD

_____ 19 _____

Re: REGIONAL SCHOOL BOARD _____

(_____)
On this line write the name of your
School Board

County of _____

It has been moved by _____

and carried unanimously (or on division) that the _____

_____ School Board subject to the approval of the

Department of Education accepts the educational building plan of a school

at _____ prepared by the director-general and the
(place)

educational building committee.

I, the undersigned, secretary-treasurer of

the _____ School Board certify on my oath

of office that the above-cited resolution is a true copy of the

resolution passed on _____ 196 _____.

Signature of the secretary

Address of the secretary

THE PROTESTANT SCHOOL BOARD OF GREATER MONTREAL

EDUCATIONAL SPECIFICATIONS

Authorized Project:- Conversion and Extension of Riverdale High School into Comprehensive High School for 2800 students.

Accepted Stations:-

Capacity

| | | |
|---|----|------|
| 35 classrooms (785') | | 1050 |
| 6 classrooms (950') | | 180 |
| 13 classrooms (600') | | 260 |
| 2 remedial reading laboratories | | 40 |
| 4 language laboratories | | 120 |
| 2 Chemistry laboratories | | 60 |
| 1 Physics laboratory | | 30 |
| 2 Biology laboratories | | 60 |
| 5 General Science laboratories | | 150 |
| 3 Geography laboratories | | 90 |
| 4 Art Studios | | 120 |
| 2 Music-Vocal Rooms | | 60 |
| 2 Music-Instrumental Rooms | | 60 |
| 6 Gymnasia | | 180 |
| 2 Drawing Studios | | 60 |
| 1 Auditorium (560) | | 30 |
| 1 Library and audio-visual (280) | | - |
| | | |
| A. <u>Commercial:-</u> | | |
| 2 Typewriting and Stenography | 60 | |
| 2 Office Practice and Business Machines | 60 | |
| 1 Bookkeeping | 30 | |
| 1 Data Processing | 30 | |
| 1 Business Fundamentals | 30 | 210 |
| | | |
| B. <u>Electricity:-</u> | | |
| 1 General Electricity Shop | 20 | |
| 1 Radio and T.V. Shop | 20 | |
| 1 Electrical Appliances Repair Shop | 20 | 60 |
| | | |
| C. <u>General Mechanical:-</u> | | |
| 1 Metals - Machining and Testing Shop | 20 | 20 |
| | | |
| D. <u>Motor Mechanics:-</u> | | |
| 1 Motor Mechanics Shop | 20 | |
| 1 Auto-Services Shop | 20 | 40 |
| | | |
| E. <u>Building Mechanics:-</u> | | |
| 1 Metals - Forming and Fabrication Shop | 20 | 20 |

F. Woodworking:-

1 Construction Shop 20 20

G. Food:-

2 Domestic Kitchen Shops 40
1 Restaurant Kitchen Shop 20 60

H. Clothing:-

1 Domestic Sewing Shop 20
1 Fashion and Design Shop 20 40

I. Services:-

1 Cosmetology Shop 20 20

J. Miscellaneous:-

1 Industrial Chemistry Shop 20
1 Graphic Communications Shop 20
1 Interior Decorating Shop 20
1 Arts and Crafts Shop 20
1 Dental Assistant Shop 20 100

| | |
|------------|------------|
| Total 100% | 3140 |
| 85% | 2669 |
| Library | <u>140</u> |
| | 2809 |

Administration:-

- 1 Principal's office
- 1 Secretariat for principal
- 4 Vice-principal's offices
- 15 Department Head's offices
- 1 Waiting room
- 1 Secretariat (11) and archives
- 1 Machine room (photocopy, etc.)
- 1 Storage room
- 1 Visitor's office
- 1 School store
- 1 Textbook storage
- 1 General store for shops
- 1 Conference room (46)
- Space for 140 teachers divided into working rooms for each subject, smoking room, cloakrooms and tutorial rooms.

...../3

Other Services:-

Religious Services:-

- 1 Chapel for 60
- 1 Chaplain's office

Student Services:-

- 10 Guidance offices
- 1 Secretariat (5) and archives
- 1 Records
- 1 Testing and counselling room

Medical Services:-

- 2 Doctors' or nurses' offices
- 1 examination room
- 1 rest room for girls
- 1 rest room for boys
- 1 first aid room near shops

Cultural & Social Center for Students:-

Space for 2000 pupils divided into rooms for student council, school paper, committees, rest and discussion.

Cafeteria:-

Space for 2400 pupils divided into three groups in the cafeteria and snack bar. One dining room for 50 teachers.

Shop Section:-

Proper storage and office space for shops.

Maintenance:-

Necessary space for general and secondary storage and repair service.

M. Auger
Chief of Educational Specifications
Division

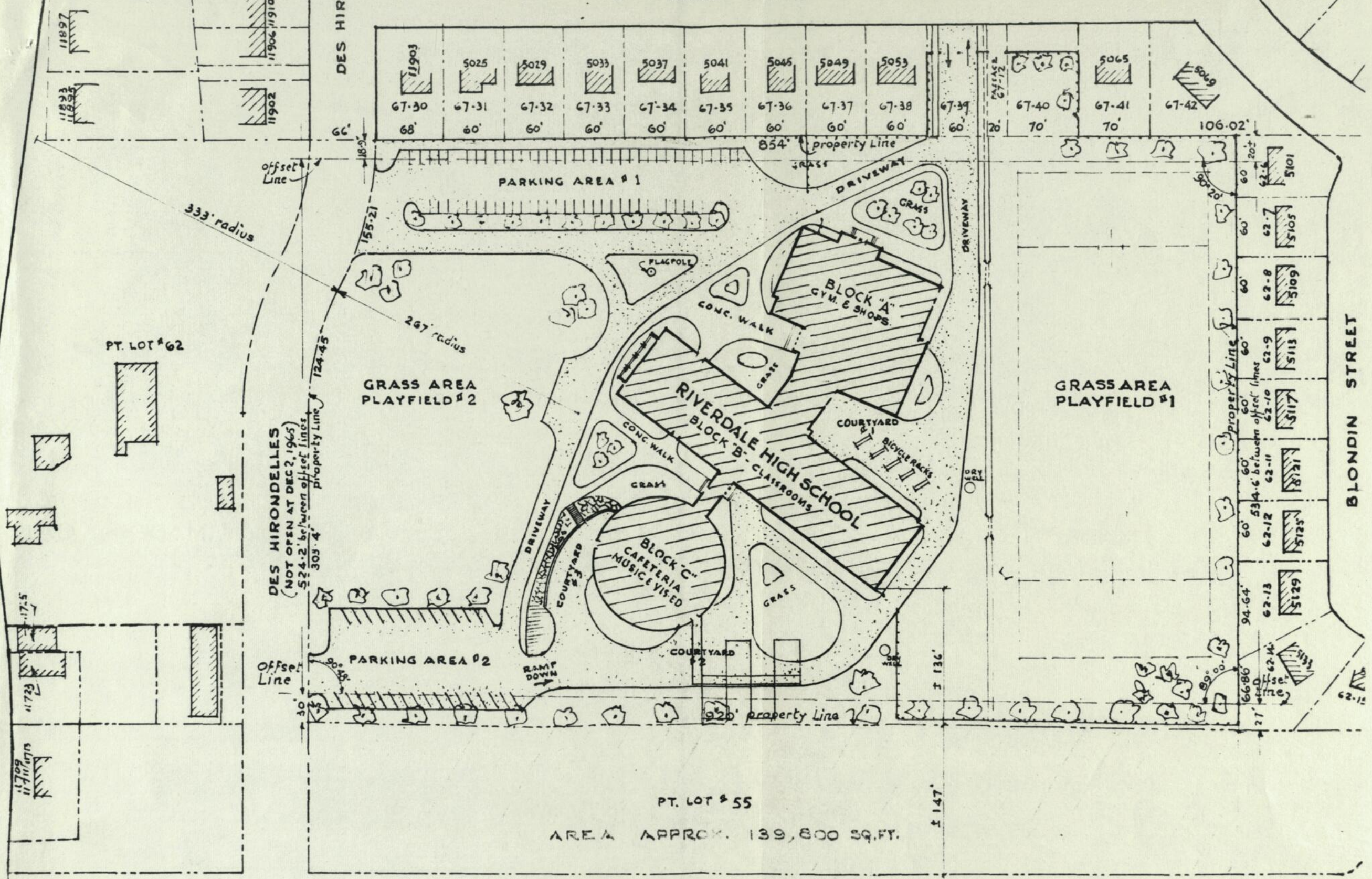
RN/mck
July 5, 1967

GOUIN BOULEVARD WEST

WOODLAND DRIVE

DES HIRO

BLONDIN STREET



DES HIRONDELLES
 (NOT OPEN AT DEC 2, 1965)
 524.2' between offset lines
 303.4' property line
 124.45'

PT. LOT # 55
 AREA APPROX. 139,800 SQ. FT.

SOURCES ROAD
 (NOT OPEN AT DEC. 2, 1965)

offset Line

333' radius

267' radius

GRASS AREA PLAYFIELD #2

GRASS AREA PLAYFIELD #1

PARKING AREA #1

PARKING AREA #2

BLOCK "A"
GYM. & SHOPS

RIVERDALE HIGH SCHOOL
BLOCK "B" - CLASSROOMS

BLOCK "C"
CAFETERIA
MUSIC VISED

COURTYARD #2

COURTYARD #1
BICYCLE RACKS

FLAGPOLE

GRASS

DRIVEWAY

DRIVEWAY

DRY WELL

DRIVEWAY

COURTYARD #3

RAMP DOWN

920' property line

854' property line

106-02'

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